

PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND
COPYRIGHT IN CINEMATOGRAPH FILMS

JANUARY 2025

VOL 58 • No. 01



Companies and Intellectual
Property Commission

a member of the dtic group

Part II of II

ISSUED MONTHLY

DATE OF ISSUE: 29 JANUARY 2025

ISSN 2223-4837

PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND
COPYRIGHT IN CINEMATOGRAPH FILMS

VOL. 58 No. 01

Date of Issue: 29 JANUARY 2025

PATENTS, TRADE MARKS, DESIGNS AND COPYRIGHT OFFICE

Official notices of proceedings under:

The Patents Act, 1978

The Designs Act, 1993

The Trade Marks Act, 1963

The Trade Marks Act, 1993

The Registration of Copyright in Cinematograph Films Act, 1977

Registrar of Patents, Trade Marks, Designs and Copyright

Note: CIPC acting on behalf of the Government of the Republic of South Africa, cannot guarantee the accuracy of its publications or undertake any responsibility for errors or omissions or their consequences.

TABLE OF CONTENTS

2. PATENTS..... 4

APPLICATIONS FOR PATENTS 5

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)..... 132

CHANGE OF NAME IN TERMS OF REGULATION 39..... 138

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 140

PATENT APPLICATIONS ABANDONED OR WITHDRAWN..... 140

APPLICATION FOR RESTORATION OF A LAPSED PATENT 140

VOLUNTARY SURRENDER OF PATENTS UNDER SECTION 64 (1), REGULATION 67 OF THE ACT 141

APPLICATIONS TO AMEND SPECIFICATION 141

INSPECTION OF SPECIFICATIONS 141

HYPOTHECATIONS 471

JUDGMENTS 471

OFFICE PRACTISE NOTICES..... 471

3. DESIGNS 472

APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993..... 473

APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT..... 481

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION..... 481

NOTICE OF REGISTRATION OF DESIGNS 481

HYPOTHECATIONS 538

JUDGMENTS 538

OFFICE PRACTISE NOTICES..... 538

4. COPYRIGHT 539

NOTICES OF ACCEPTANCE 540

HYPOTHECATIONS 541

JUDGMENTS 541

OFFICE PRACTICE NOTICES 541

5. CORRECTION NOTICES..... 542

TRADE MARK CORRECTION NOTICES 543

PATENT CORRECTION NOTICES..... 543

DESIGNS CORRECTION NOTICES..... 543

COPYRIGHT CORRECTION NOTICES 543

PATENTS..... 544

DESIGNS 592

OTHER PRACTICE NOTICES..... 596

2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

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

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

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

- APPLIED ON 2024/12/13 -

2024/09659 ~ Complete ~54:METHOD OF OPERATING A HEAT CYCLE SYSTEM, HEAT CYCLE SYSTEM AND METHOD OF MODIFYING A HEAT CYCLE SYSTEM ~71:NODITECH AB, Noditech AB, Sweden ~72: HOLLINGWORTH, Hardy;PERSSON, Karl Gustav~ 33:EP ~31:22180199.6 ~32:21/06/2022

2024/09844 ~ Complete ~54:DISPLAY DEVICE FOR HUMAN ANATOMY IMMERSION SPECIMENS ~71:Yueyang Vocational Technical College, Xueyuan Road, Yueyang City, Hunan Province, 414000, People's Republic of China ~72: Liu Fei~

2024/09622 ~ Provisional ~54:MODULAR CAMERA SYSTEM FOR TRAFFIC LIGHTS ~71:Mark Lentin, 21 Schiphol, 38 6th Road, South Africa ~72: Mark Lentin~

2024/09632 ~ Complete ~54:CAPILLARY AIR CONDITIONING SYSTEM BASED ON GROUND SOURCE HEAT PUMP ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: DONG, Shanshan;GAO, Jinhui;GAO, Shuning;HENG; Lijun;HOU, Hongjie;JIN, Junjie;KONG, Youfang~

2024/09637 ~ Complete ~54:CD73 INHIBITOR AND A2A/A2B ADENOSINE RECEPTOR INHIBITOR COMBINATION THERAPY ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: ALMAGRO, Juan Carlos;BUONPANE, Rebecca A.;CARLSEN, Peter Niels;CHEN, Yingnan;HUANG, Taisheng;LI, Yong;NASTRI, Horacio G.;QI, Chao;STEWART, Shaun M.;WANG, Hui;WANG, Xiaozhao;WU, Liangxing;YAO, Wenqing;ZHOU, Jing;ZHU, Wenyu~ 33:US ~31:62/956,840 ~32:03/01/2020

2024/09643 ~ Complete ~54:CIRCUMCISION DEVICE ~71:INNOVATIVE MEDICAL TECHNOLOGY (PTY) LTD, 1 Hanover Road, South Africa ~72: PARKER, Cyril Norman;PARKER, Elisabeth Regina;VORSTER, Jared Mark;WISEMAN, David Christopher~ 33:ZA ~31:2017/01743 ~32:10/03/2017

2024/09679 ~ Complete ~54:ENERGY STORAGE SYSTEMS ~71:HIGHER DIMENSION MATERIALS, INC., 570 Hale Avenue North, United States of America ~72: KIM, Young-Hwa;LORENZ, Thomas P., Jr.;OLMSTED, Richard Dale~

2024/09892 ~ Provisional ~54:A DRUG-DELIVERING BALLOON CATHETER ~71:HOOP MEDICAL LIMITED, Unit 2 S&J, Ardavan Business Park, Ireland ~72: MUDGE, Edward Charles~

2024/09629 ~ Complete ~54:METHOD FOR PREPARING THE POLYURETHANE FOAM APPLIED IN OIL-WATER SEPARATION ~71:Hainan Normal University, 99 Longkun South Road, Hainan, Haikou, People's Republic of China ~72: Haitao LV~ 33:CN ~31:202410221674.8 ~32:28/02/2024

2024/09641 ~ Complete ~54:HIGH-VOLTAGE HARMONIC CURRENT SOURCE DEVICE CONVERSION MODULE AND CONVERTER COMBINATION DEVICE ~71:XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE CO., LTD., No.18 West Second Ring Road, Xi'an City, People's Republic of China ~72: DU, Junchen;FAN, Guangwei;QIAO, Jishan;WANG, Peiren~ 33:CN ~31:202410032740.7 ~32:09/01/2024

2024/09647 ~ Complete ~54:LARGE LANGUAGE MODEL-BASED VALIDATION SYSTEM FOR EFFECTIVENESS OF PHARMACEUTICAL MOLECULE ~71:Zunyi Normal University, ZNU, No. 6, Pingan Da Road, Zunyi City, Guizhou Province, 563006, People's Republic of China ~72: Huang Chuanteng;Liu Yanmin;Ouyang Aijia;Wang Qian;Yan Xiong~

2024/09651 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF ~71:SHENZHEN PREGENE BIOPHARMA CO., LTD, 605, Building 1, Shenzhen Biomedical Innovation Industrial Park, No. 14 Jinhui Road, Jinsha Community, Kengzi Street, Pingshan District, Shenzhen, People's Republic of China ~72: BIN, Zhenlan;LI, Hongjian;LUO, Yanping;SU, Hongchang;WANG, Ling;XIANG, Bin;ZHANG, Bingxiang;ZHANG, Jishuai~ 33:CN ~31:202310639033.X ~32:31/05/2023

2024/09846 ~ Complete ~54:STAR DATA ACQUISITION DEVICE BASED ON BROADBAND WIRELESS COMMUNICATION ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Du Qiulai;Jiang Chunlin;Liu Jiamin;Wu Shilan~

2024/09665 ~ Complete ~54:WIRELESS POWER TRANSFER ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: AGAFONOV, Aleksei;STARING, Antonius Adriaan Maria~ 33:EP ~31:22173919.6 ~32:17/05/2022

2024/09667 ~ Complete ~54:THERMAL MANAGEMENT SYSTEMS AND METHODS FOR POWER DEVICES ~71:Tau Motors, Inc., 1104 Main Street, REDWOOD CITY 94063, CA, USA, United States of America;The Trustees of Columbia University in the City of New York, 412 Low Memorial Library, 535 West 116th Street, NEW YORK 10027, NY, USA, United States of America ~72: JAHNES, Matthew;OWEN, Michael Parker;PENNINGTON III, Walter Wesley;PREINDIL, Matthias;STEVENSON, Gregory Gordon;SWINT, Ethan Bagget~ 33:US ~31:63/351,893 ~32:14/06/2022

2024/09633 ~ Complete ~54:DEVICE FOR COLLECTING PLANT ROOT LAYER SOIL SAMPLES ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: HU, Hui;LIU, Biao;WANG, Yunqiu;ZHANG, Ruibo;ZHANG, Tingting~

2024/09655 ~ Complete ~54:RESTRAINT FRAME FOR INTRASPINAL ANESTHESIA PATIENT ~71:Jiangsu Cancer Hospital, No. 42 Baiziting, Xuanwu District,, Nanjing City, Jiangsu Province,, People's Republic of China ~72: TAN, Jing~ 33:CN ~31:2023102205132 ~32:09/03/2023

2024/09657 ~ Complete ~54:METHOD FOR PRODUCING SULFONE DERIVATIVE USING HALOACETIC ACID ~71:KUMIAI CHEMICAL INDUSTRY CO., LTD, 4-26, Ikenohata 1-chome, Taito-Ku, Japan ~72: Tani Shinki~ 33:JP ~31:2022-099282 ~32:21/06/2022

2024/09662 ~ Complete ~54:MICROSERVICE PLATFORM MESSAGE MANAGEMENT SYSTEM ~71:MASTERCARD INTERNATIONAL INCORPORATED, 2000 Purchase Street Purchase, New York, 10577, United States of America ~72: AJINKYA SAWANT;GOPINATHA JOSHI;MATTHEW RAMELLA~ 33:US ~31:17/855,676 ~32:30/06/2022

2024/09675 ~ Complete ~54:ENDURANCE MILEAGE DETERMINATION METHOD AND APPARATUS, AND HYBRID ELECTRIC 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: SU, Wanqiang;ZHOU, Chongguang~ 33:CN ~31:202211604270.4 ~32:13/12/2022

2024/09676 ~ Complete ~54:HYBRID POWER SYSTEM AND HYBRID VEHICLE WITH SAME ~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, Xiang;LIU, Yongfu;SUN, Longfang;XU, Chuanfei;ZHANG, Wensen~ 33:CN ~31:202210753220.6 ~32:28/06/2022

2024/09678 ~ Complete ~54:LABEL FOR PACKAGING ~71:ETIVOET BV, E3-laan 43, Belgium ~72: VOET, Philippe~ 33:BE ~31:2022/5498 ~32:23/06/2022

2024/09623 ~ Provisional ~54:MODULAR RETAIL SHELF EDGE SYSTEMS AND METHODS ~71:H & A Manufacturing (Pty) Ltd, Unit 1-4 Old Mill Park, 15 Sucrose Crescent, Mount Edgecombe, Durban, SOUTH AFRICA, South Africa ~72: SHELL, Trevor Raymond~

2024/09661 ~ Complete ~54:PROCESS FOR PRODUCING ALKALI HYDROXIDE OR ALKALINE EARTH OXIDE EMPLOYING A WEAK ACID INTERMEDIATE ~71:INNOVATOR ENERGY, LLC, 4200 San Jacinto Str., Houston, Texas, 77004, United States of America ~72: ETHAN NOVEK~ 33:US ~31:63/342,870 ~32:17/05/2022;33:US ~31:63/400,883 ~32:25/08/2022;33:US ~31:63/462,797 ~32:28/04/2023

2024/09663 ~ Complete ~54:SYSTEMS AND METHODS FOR USE IN BIOMETRIC-ENABLED NETWORK INTERACTIONS ~71:MASTERCARD INTERNATIONAL INCORPORATED, 2000 Purchase Street Purchase, New York, 10577, United States of America ~72: EDDY VAN DE VELDE;FLORENT HAY;PATRIK SMETS~ 33:US ~31:63/356,929 ~32:29/06/2022

2024/09672 ~ Complete ~54:HYDRAULIC SYSTEM FOR HYBRID 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: LI, Shuangluan;YE, Yuanlong;ZHANG, Hengxian;ZHOU, Zhiguang~ 33:CN ~31:202211105287.5 ~32:09/09/2022

2024/09677 ~ Complete ~54:A GENERALIZED DYNAMIC PREDICTIVE CONTROL METHOD FOR REALIZING THE TRAJECTORY TRACKING OF MANIPULATOR SYSTEMS ~71:Shanghai Polytechnic University, NO. 2360, Jin Hai Road, Pudong District, Shanghai City, 201209, People's Republic of China ~72: Hao Hao;Huanyu Liu;Wenjie Wang;Yanghua He~ 33:CN ~31:202310768075.3 ~32:28/06/2023

2024/09664 ~ Complete ~54:EAR-WEARABLE OXYGEN MONITORING SYSTEM ~71:OXIWEAR, INC., 2231 Crystal Drive, #204, Arlington, Virginia, 22202, United States of America ~72: BEN SALTHOUSE;GEORGE DONALD BECKSTEIN;KEELINE WILCOX;SHAVINI FERNANDO~ 33:US ~31:63/342,100 ~32:14/05/2022

2024/09671 ~ Complete ~54:CONTROL METHOD AND APPARATUS FOR GEAR SHIFTING IN HYBRID ELECTRIC 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: GAO, Lijuan;LI, Deyu;LIANG, Zhenyang;QI, Keguang;TAO, Cheng;WANG, Qinglai~ 33:CN ~31:202211230507.7 ~32:08/10/2022

2024/09674 ~ Complete ~54:VEHICLE PARAMETER DETERMINATION METHOD, TORQUE DISTRIBUTION METHOD, DEVICE, 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: CUI, Junbo;FAN, Dinghong~ 33:CN ~31:202211376949.2 ~32:04/11/2022

2024/09634 ~ Complete ~54:NETWORK ANOMALY DETECTION METHOD BASED ON HIGH-DIMENSIONAL STATISTICS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: SHI, Yue~

2024/09636 ~ Complete ~54:ENGINEERED ANTI-IL-2 ANTIBODIES ~71:AULOS BIOSCIENCE, INC, 245 Main Street, 12th Floor Cambridge, United States of America ~72: AMIT, Inbar;BARAK FUCHS, Reut;BLUVSHTEIN YERMOLAEV, Olga;FISCHMAN, Sharon;GROSSMAN, Noam;LEVIN, Itay;LEVITIN, Natalia;NIMROD, Guy;OFRAN, Yanay;SASSON, Yehezkel;WYANT, Timothy;ZHENIN, Michael;ŠTRAJBL, Marek~ 33:US ~31:62/977,292 ~32:16/02/2020;33:US ~31:63/139,315 ~32:20/01/2021

2024/09638 ~ Complete ~54:A TEACHING DESK FOR MUSIC EDUCATION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Qiusi Mao;Wanying Wu;Yi Zhang;Ying Wang;Yingxin Zhang~

2024/09640 ~ Complete ~54:A MORTAR TRANSPORTATION DEVICE FOR CONSTRUCTION ENGINEERING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Fei Bi;Jinping Zhang;Kejian Shang;Mengting Huang;Xiaofang Yan;Zhijia Wang~

2024/09642 ~ Complete ~54:INTELLIGENT PATROL INSPECTION METHOD AND SYSTEM FOR ISOLATING SWITCH, AND DEVICE ~71:XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE CO., LTD., No.18 West Second Ring Road, Xi'an City, People's Republic of China ~72: JU, Jindong;SHI, Yuqiang;YAN, Duifeng;YANG, Ning;ZHANG, Baoqiang~ 33:CN ~31:202410146289.1 ~32:01/02/2024

2024/09646 ~ Complete ~54:CLOTH DYEING EQUIPMENT ~71:HEYUAN POLYTECHNIC, University Town, Donghuan Road, Yuancheng District, Heyuan, People's Republic of China ~72: HU, Fang;HUANG, Xiuli~ 33:CN ~31:202410184779.0 ~32:19/02/2024

2024/09648 ~ Complete ~54:DURABILITY MONITORING DEVICE AND DETECTION METHOD FOR REINFORCED CONCRETE STRUCTURES ~71:Nantong Institute of Technology, No. 211 Yongxing Road, Chongchuan District, Nantong City, Jiangsu Province, 226001, People's Republic of China ~72: Chen Tianqi;Dai Li;Zhou Meirong~

2024/09670 ~ Complete ~54:HYBRID THERMOSYPHON WITH IMMERSION COOLED EVAPORATOR ~71:GE Grid GmbH, Bleichstrasse 64-66, FRANKFURT AM MAIN 60313, GERMANY, Germany ~72: DE, Anindya Kanti;HARFMAN TODOROVIC, Maja;SCHELENZ, Owen Jannis Samuel;THIAGARAJAN, Naveenan~ 33:US ~31:17/828,604 ~32:31/05/2022

2024/09666 ~ Complete ~54:RADIOPHARMACEUTICAL COMPLEXES TARGETING PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND ITS COMBINATIONS ~71:Bayer AS, Drammensveien 288, OSLO 0283, NORWAY, Norway;Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BJERKE, Roger Malerbakken;CUTHBERTSON, Alan;HAENDLER, Bernard;HAGEMANN, Urs Beat;INDREVOLL, Bard;LARSEN, Aasmund;MOEN, Ingrid;RYAN, Olav B.;SCHATZ, Christoph;ZITZMANN-KOLBE, Sabine~ 33:EP ~31:22173871.9 ~32:17/05/2022;33:EP ~31:22199703.4 ~32:05/10/2022;33:EP ~31:23164865.0 ~32:29/03/2023

2024/09653 ~ Complete ~54:AN INTELLIGENT WORKSTATION FOR TESTING THE ABILITY OF PAINT AND DECORATION PROJECTS ~71:Huangshan University, No. 39, Xihai Road, Tunxi District, Huangshan City, Anhui Province, People's Republic of China ~72: Liu Yuanyuan~

2024/09625 ~ Provisional ~54:SECURE GEMSTONE CASE ~71:NEUMAN, Isaac, Elysia Park, Prins Boudewijnlaan, Belgium ~72: NEUMAN, Isaac~

2024/09627 ~ Complete ~54:APPLICATION OF PRIMER PAIR FOR SCREENING BROAD-SPECTRUM NECK-BLAST-RESISTANT RICE GERMPLASM SOURCES ~71:Liaoning Rice Research Institute, No. 129 Fengyang Road, Sujiatun District, Shenyang City, Liaoning, 110101, People's Republic of China ~72: MA, Dianrong;WANG, Lili;WANG, Yan;ZHANG, Liangkun;ZHANG, Xue;ZHENG, Wenjing~

2024/09631 ~ Complete ~54:METHOD FOR PRETREATMENT OF ASPHALT MIXTURE AND METHOD FOR DETECTING ASPHALT IN ASPHALT MIXTURE ~71:CCCC FIRST HIGHWAY FIFTH ENGINEERING CO LTD, Zhoujiajing Courtyard, Guanzhuang, Chaoyang District, Beijing, 100024, People's Republic of China;CHANG'AN UNIVERSITY, Middle-section Of Nan'er Huan Road, Yanta District, Xi'an, Shaanxi, 710061, People's Republic of China;CHINA FIRST HIGHWAY ENGINEERING CO., LTD., Zhoujiajing, Guanzhuang, Chaoyang District, Beijing, 100000, People's Republic of China;Dalian University of Technology, No. 2 Linggong Road, Ganjingzi District, Dalian City, Liaoning Province, 116081, People's Republic of China ~72: CHEN, Pengfei;DOU, Wenju;HAN, Zhanchuang;HUANG, Xiaolei;LI, Mingchen;MAO, Yunbo;WANG, Shaoyong;WANG, Xuehai;XING, Chengwei;ZHAO, Mingjie~

2024/09645 ~ Complete ~54:PROPERTY DATA PROCESSING ~71:TERBLANCHE, Alissa Agneta, 1 Bryanston Drive, South Africa ~72: TERBLANCHE, Alissa Agneta~ 33:ZA ~31:2023/11496 ~32:14/12/2023

2024/09668 ~ Complete ~54:SOLID FORMS OF A JAK INHIBITOR AND PROCESS OF PREPARING THE SAME ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: HOUSTON, Travis;JIA, Zhongjiang;LIU, Pingli;LIU, Weiguo;MELONI, David;PAN, Yongchun;ZHOU, Jiacheng~ 33:US ~31:63/352,094 ~32:14/06/2022;33:US ~31:63/411,808 ~32:30/09/2022

2024/09673 ~ Complete ~54:END-TO-END DATA ENCRYPTION COMMUNICATION SYSTEM AND METHOD ~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: JIANG, Hao;XU, Daxue;ZHANG, Shibing~ 33:CN ~31:202211695670.0 ~32:28/12/2022

2024/09845 ~ Complete ~54:INTERACTIVE LEARNING SYSTEM FOR DRUG MOLECULES BASED ON LARGE LANGUAGE MODEL ~71:Zunyi Normal University, ZNU, No. 6, Pingan Da Road, Zunyi City, Guizhou Province, 563006, People's Republic of China ~72: Huang Chuanteng;Jin Xing;Liu Yanmin;Ouyang Aijia;Wang Qian~

2024/09624 ~ Provisional ~54:GAMIFIED CROWDFUNDING SYSTEM USING BLOCKCHAIN-BASED TOKENS AND MIMICKED GAMEPLAY FOR REAL-WORLD SOCIAL IMPACT PROJECTS ~71:ABELMAN, Gilad Yaron, 106 Bona Vista, 81 Bellevue Road, Musgrave, South Africa;STANLEY, Julian Garth, 12 Bellevue Heights, 48 Bellevue Road, South Africa ~72: ABELMAN, Gilad Yaron;STANLEY, Julian Garth~

2024/09626 ~ Complete ~54:METHOD AND DEVICE FOR FULLY QUANTIFYING SOIL BIOLOGICAL ACTIVITY RECLAMATION OF RED MUD BY BIOLOGICAL METHOD ~71:Guangxi University, No. 100, Daxue East Road, Nanning, Guangxi, 530004, People's Republic of China ~72: DENG, Fukang;DOU, Mingyuan;FENG, Qing;HUANG, Fuchuan;LI, Jun;LI, Kangchun;LI, Zhenpeng;MAI, Ziwei;TANG, Gongbin;YAN, Dongmei;YANG, Jing;YANG, Maoli;ZOU, Shuai~ 33:CN ~31:202410200040.4 ~32:22/02/2024

2024/09628 ~ Complete ~54:A BIM-BASED LOW-ENERGY CONSUMPTION PREFABRICATED MODULAR RESIDENTIAL INTEGRATED INTELLIGENT BUILDING CONSTRUCTION MANAGEMENT SYSTEM ~71:Xinyu University, 2666 Sunshine Dadao, High-tech Zone, Xinyu City, Jiangxi Province, People's Republic of China ~72:

Cai yunfang;Chen yue;Cui shengchao;Guo qiulan;Hong ziqi;Teng wenhao;Wang chengyuan;Wang juan;Wang zhongyi;Xu li;Xu minghao~ 33:CN ~31:2024115133601 ~32:28/10/2024

2024/09630 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING THYROID NODULES, BREAST NODULES AND LUNG NODULES ~71:Yiming Ren, Room 101, Door 2, No. 3-48, Wanbao Community, Reyuan Street, Sartu District, Daqing City, Heilongjiang Province, 163000, People's Republic of China ~72: Yiming Ren~

2024/09635 ~ Complete ~54:A HIGH-STABILITY TEACHING DEMONSTRATION DEVICE ~71:JIAXING VOCATIONAL & TECHNICAL COLLEGE, 547 TONGXIANG AVENUE, JIAXING CITY, People's Republic of China ~72: YANG, Xuemei~

2024/09639 ~ Complete ~54:A CONDUCTING BATON FOR GUIDING RHYTHM IN MUSIC TEACHING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Chenrui Zhu;Peipei Liu;Qiusi Mao;Rui Hou;Xi Li;Yang Zhang;Yixian Guo~

2024/09644 ~ Complete ~54:DYNAMIC VOLTAGE TEST CIRCUIT AND METHOD FOR HIGH-VOLTAGE ALTERNATING-CURRENT CIRCUIT-BREAKER FOR FILTER BANKS ~71:XI'AN HIGH VOLTAGE APPARATUS RESEARCH INSTITUTE CO., LTD., No.18 West Second Ring Road, Xi'an City, People's Republic of China ~72: FAN, Kesong;LI, Bo;SU, Chunqiang~ 33:CN ~31:2024114320189 ~32:14/10/2024

2024/09649 ~ Complete ~54:A PREPARATION METHOD FOR A PHOTOCATALYTIC ORGANIC SYNTHESIS ACCELERATOR ~71:Zhejiang Normal University, 688 Yingbin Road, Jinhua City, Zhejiang Province, 321004, People's Republic of China ~72: Kang Honglan;Li Cuiying;Lv Xin~

2024/09652 ~ Complete ~54:CONTAINER ARRANGEMENT ~71:VORTEX INNOVATION WORX (PTY) LTD, 4 Paddy Close, South Africa ~72: Mark TAYLOR~ 33:ZA ~31:2022/07132 ~32:28/06/2022

2024/09656 ~ Complete ~54:ANESTHESIA MASK ~71:Jiangsu Cancer Hospital, No. 42 Baiziting, Xuanwu District,, Nanjing City, Jiangsu Province,, People's Republic of China ~72: SONG, Zhenghuan~ 33:CN ~31:2023114054580 ~32:26/10/2023

2024/09654 ~ Complete ~54:SEWAGE TREATMENT SYSTEM, CONSTRUCTION METHOD FOR SEWAGE TREATMENT SYSTEM, AND SEWAGE TREATMENT CYLINDER ~71:QINGDAO SHANQING HOTONE ENVIRONMENTAL TECHNOLOGY CO., LTD, No. 99, Juxianqiao Road, High-tech Zone, Qingdao, Shandong, 266000, People's Republic of China ~72: Haofeng LUAN;Jianmeng DU;Shilian MAO;Xianlian YANG;Zhengkai MAO~ 33:CN ~31:202210626485.X ~32:02/06/2022;33:CN ~31:202310034476.6 ~32:10/01/2023

2024/09658 ~ Complete ~54:TREATMENT OF TUBERCULOSIS ~71:CHARIOT INNOVATIONS LTD, LSHTM Building, Keppel Street, United Kingdom;EMORY UNIVERSITY, Office of Technology Transfer, 1599 Clifton Road NE, United States of America;THE UNIVERSITY OF LIVERPOOL, Foundation Building, 765 Brownlow Hill, United Kingdom ~72: AGBLA, Schadrac;KALMAN, Daniel;TIENTCHEU, Leopold~ 33:GB ~31:2208654.0 ~32:13/06/2022

2024/09660 ~ Complete ~54:FOLDABLE ELECTRONIC DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DAEHYEONG PARK;HYUNGSOO KIM;JONGKEUN KIM;JONGYOON KIM~ 33:KR ~31:10-2022-0071909 ~32:14/06/2022;33:KR ~31:10-2022-0080347 ~32:30/06/2022

2024/09669 ~ Complete ~54:METHOD OF AND CONTROL SYSTEM FOR MONITORING A PROCESS OF CIRCULATION OF SOLID MATERIAL IN A CIRCULATING FLUIDIZED BED REACTOR ~71:Sumitomo SHI FW Energia Oy, Metsänneidonkuja 10, ESPOO 02130, FINLAND, Finland ~72: KETTUNEN, Ari;LIUKKONEN, Mika~

2024/09650 ~ Complete ~54:ROADBED COMPACTION DEGREE TESTING SAMPLING APPARATUS AND METHOD FOR HIGHWAY ENGINEERING ~71:CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: LIN, Yangyang;YAN, Hongxiang;ZHAO, Bin~ 33:CN ~31:202410873781.9 ~32:01/07/2024

- APPLIED ON 2024/12/17 -

2024/09718 ~ Complete ~54:A METHOD FOR MAINTAINING THE FLAVOR AND TEXTURE OF FROZEN PREPARED MEAT PRODUCTS ~71:Shandong Academy of Agricultural Sciences, No. 23788, Gongye North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Chao Ding;Lina Liu;Sha Yang;Yanli Ma;Zhaoqi Li~ 33:CN ~31:202411104686.9 ~32:13/08/2024

2024/09722 ~ Complete ~54:AN EXTRACTION AND CONCENTRATION DEVICE FOR ACTIVE INGREDIENTS IN TRADITIONAL CHINESE MEDICINE AND ITS PROCESS ~71:The Second Affiliated Hospital of Anhui University of Chinese Medicine, No.300, Shouchun Road, Luyang District, Hefei City, Anhui Province, 230000, People's Republic of China ~72: Xiaoqing Liu;Zhensheng Liang~

2024/09744 ~ Complete ~54:1,8-NAPHTHYRIDIN-2-ONE HETEROBIFUNCTIONAL BCL6 DEGRADERS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street, Watertown, Massachusetts, 02472, United States of America ~72: ANDREW VALIERE;JEFFREY A ENGELMAN;JOEL D LEVERSON;JOSHUA D HANSEN;KEVIN M OBERG;KRISTIN D SCHLEICHER;MARK A NAGY;MATTHEW D CORREA;MATTHEW H MCNEILL;MING YAN;TAMI J MARRONE~ 33:US ~31:63/351,697 ~32:13/06/2022;33:US ~31:63/351,715 ~32:13/06/2022;33:US ~31:63/395,630 ~32:05/08/2022;33:US ~31:63/395,638 ~32:05/08/2022;33:US ~31:63/407,006 ~32:15/09/2022;33:US ~31:63/407,012 ~32:15/09/2022;33:US ~31:63/420,421 ~32:28/10/2022;33:US ~31:63/436,009 ~32:29/12/2022;33:US ~31:63/444,801 ~32:10/02/2023;33:US ~31:63/497,054 ~32:19/04/2023;33:US ~31:63/501,077 ~32:09/05/2023

2024/09684 ~ Provisional ~54:A SECURITY ENCLOSURE ~71:ERASMUS, Alwyn Jacobus, 1484 Mikayla Street, Leloko Lifestyle Estate, HARTBEESPOORT 0261, North West, SOUTH AFRICA, South Africa ~72: ERASMUS, Alwyn Jacobus~

2024/09739 ~ Complete ~54:STABLE WASH COMPOSITION WITH UNSATURATED ZWITTERIONIC SURFACTANT ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MINGJUN YUAN;TIRUCHERAI VARAHAN VASUDEVAN~ 33:US ~31:63/357,387 ~32:30/06/2022;33:EP ~31:22194213.9 ~32:06/09/2022

2024/09747 ~ Complete ~54:ANAEROBIC DIGESTER ~71:UNIVERSITY OF SOUTH AFRICA, MUCKLENEUK RIDGE 1 PRELLER STREET, South Africa ~72: IJOMA, Nkechinyere Grace;MATAMBO, Sylvester Tonderayi;MUTUNGWAZI, Asheal;RASHAMA, Charles~ 33:ZA ~31:2022/06552 ~32:10/06/2022

2024/09692 ~ Complete ~54:HOLLOW ULTRASONIC MOTOR WITH ADJUSTABLE PRE-PRESSURE ~71:NORTH CHINA INSTITUTE OF AEROSPACE ENGINEERING, NO.133 Aimin East Road, Langfang City, Hebei Province, 065000, People's Republic of China ~72: Cai Yi;Li Jiayi;Su Guobing~ 33:CN ~31:2024116139569 ~32:13/11/2024

2024/09697 ~ Complete ~54:PRIMER FOR IDENTIFYING PIGEON-DERIVED COMPONENTS IN LIVESTOCK AND POULTRY MEAT AND APPLICATION THEREOF ~71:Jiangsu Institute of Poultry Sciences, No.58 Cangjie Road, Hanjiang District, Yangzhou City, Jiangsu Province, People's Republic of China ~72: CHEN Dawei;FAN Yanfeng;GE Qinglian;JIA Xiaoxu;LU Junxian;TANG Xiujun;ZHANG Wentao;ZHANG Xiaoyan;ZHOU Qian~

2024/09698 ~ Complete ~54:ADJUSTABLE SEAT CONVENIENT FOR ADJUSTING BACKREST HEIGHT ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: CHEN Yuyi~

2024/09699 ~ Complete ~54:METHOD AND SYSTEM FOR SHARING MATHEMATICS TEACHING RESOURCES BASED ON CLOUD COMPUTING ~71:TANGSHAN UNIVERSITY, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: DONG Baozhu;LI Nana;LIU Hui~

2024/09728 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING A3 ADENOSINE RECEPTOR AGONIST FOR TREATMENT OF PSORIASIS ~71:CAN-FITE BIOPHARMA LTD., 10 Bareket street, Kiryat Matalon P.O. Box 7537, Israel ~72: FISHMAN, Pnina~ 33:IL ~31:294409 ~32:29/06/2022

2024/09738 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING CHIMERIC ADAPTOR POLYPEPTIDES ~71:ADICET THERAPEUTICS, INC., 1000 Bridge Parkway, Redwood City, California, 94065, United States of America ~72: ARUN BHAT;BLAKE T AFTAB;DAULET SATPAYEV;JASON ROMERO;JONATHAN WONG;MARISSA HERRMAN;STEWART ABBOT~ 33:US ~31:63/347,194 ~32:31/05/2022

2024/09743 ~ Complete ~54:TRICYCLIC QUINOLONE BCL6 BIFUNCTIONAL DEGRADERS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street, Watertown, Massachusetts, 02472, United States of America ~72: ANDREW VALIERE;JAMES PAUL LAJINESS;JEFFREY A ENGELMAN;JOEL D LEVERSON;JOSHUA D HANSEN;KEVIN M OBERG;KRISTIN D SCHLEICHER;MARK A NAGY;MATTHEW D CORREA;MATTHEW H MCNEILL;MING YAN;TAMI J MARRONE~ 33:US ~31:63/349,415 ~32:06/06/2022;33:US ~31:63/349,420 ~32:06/06/2022;33:US ~31:63/356,388 ~32:28/06/2022;33:US ~31:63/356,390 ~32:28/06/2022;33:US ~31:63/414,349 ~32:07/10/2022;33:US ~31:63/414,362 ~32:07/10/2022;33:US ~31:63/414,409 ~32:07/10/2022;33:US ~31:63/414,418 ~32:07/10/2022;33:US ~31:63/420,385 ~32:28/10/2022;33:US ~31:63/420,398 ~32:28/10/2022;33:US ~31:63/444,769 ~32:10/02/2023;33:US ~31:63/444,792 ~32:10/02/2023;33:US ~31:63/497,061 ~32:19/04/2023;33:US ~31:63/501,080 ~32:09/05/2023

2024/09735 ~ Complete ~54:PROCESS AND DESIGN MODIFICATIONS TO RETROFIT A CONVENTIONAL WOOD PLANT ~71:T2EARTH HOLDINGS, LLC, 7600 Jericho Turnpike, United States of America ~72: FRITSCH, Roland;KIER, Joel;MALZER, Kurt;MAY, Leondra;POLLARD, V, Levi Anderson~ 33:US ~31:63/352,899 ~32:16/06/2022

2024/09741 ~ Complete ~54:HIGHLY SOLUBLE FORMULATIONS OF HARMINE ~71:RECONNECT LABS AG, Oberer Graben, 12 8400 Winterthur, Switzerland ~72: DANIEL CLAUSSEN;DARIO DORNBIERER;DAVOR KOSANIC;MAXIM PUCHKOV;MICHAEL KOMETER;MILAN SCHEIDEGGER;ROBERT HETT;ROBIN VON ROTZ;ROLAND HAAG~ 33:EP ~31:22187342.5 ~32:27/07/2022;33:EP ~31:22187349.0 ~32:27/07/2022

2024/09688 ~ Complete ~54:ANTI-SHEAR LOCKING CONTROL SYSTEM AND MONITORING METHOD OF TUNNEL SURROUNDING ROCKS ~71:CHINA UNIVERSITY MINING AND TECHNOLOGY-BEIJING, No. Ding-11 Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China;Henan Polytechnic University, No. 2001, Century Avenue, High-tech Zone, Jiaozuo City, Henan Province, People's Republic of China ~72: CHEN, Dongdong;GU, Wenzhe;HE, Fulian;LI, Hui;PAN, Hao;TIAN, Chunyang;XING, Shikun;YE, Qing;YUE, Shuaishuai;ZHANG, Jianzhong;ZHU, Lei;ZOU, Jun~ 33:CN ~31:202410142394.8 ~32:01/02/2024

2024/09720 ~ Complete ~54:A COCHLEAR IMPLANT POSITIONING AND MEASURING DEVICE ~71:Shanxi Provincial People's Hospital, No.29, Shuangtasi Street, Yingze District, Taiyuan City, Shanxi Province, 030012, People's Republic of China ~72: Xiaofeng Qiao~

2024/09732 ~ Complete ~54:METHODS, SYSTEMS AND COMPUTER-READABLE MEDIA FOR TESTING DATABASE PERFORMANCE ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: MILLER, Caitlin;THORNBURROW, Geoff~ 33:AU ~31:2022901675 ~32:20/06/2022

2024/09689 ~ Complete ~54:ANTI-FALLING CLOSED CHEST DRAIN ~71:THE FIRST AFFILIATED HOSPITAL OF CHONGQING MEDICAL UNIVERSITY, No.1 Youyi Road, Yuanjiagang, Yuzhong District, Chongqing, 400016, People's Republic of China ~72: LI, Zhaolan;LUO, Yan;WANG, Tingting~ 33:CN ~31:202410484083.X ~32:22/04/2024

2024/09723 ~ Complete ~54:PERSONNEL ON-DUTY STATUS EARLY-WARNING METHOD, APPARATUS, DEVICE, SYSTEM AND MEDIUM ~71:Kingfar International Inc., Room 202, Beifufang, Building 23, No.18 Anningzhuang East Road, Qinghe, Haidian District, BEIJING, CHINA (P.R.C.), People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202311755985.4 ~32:19/12/2023

2024/09730 ~ Complete ~54:PRESS-FORMED BIOCEMENT PROCESSES, COMPOSITIONS, AND EQUIPMENT ~71:BIOMASON INC., 2 Triangle Drive, Research Triangle Park, United States of America;DOSIER, Ginger, 2 Triangle Drive, Research Triangle Park, United States of America ~72: ANDERSON, Kimberly;DOSIER, Ginger;DOSIER, Michael;MEKEEL, Chris~ 33:US ~31:63/354,543 ~32:22/06/2022;33:US ~31:63/380,642 ~32:24/10/2022

2024/09737 ~ Complete ~54:FLOAT ARRANGEMENT AND AIR RELEASE VALVE INCORPORATING SAME ~71:DYNAMIC FLUID CONTROL (PTY) LIMITED, 32 Lincoln Road, Benoni South, South Africa ~72: SUTER, JONATHAN MICHAEL;VEAL, TREVOR CLINTON~ 33:ZA ~31:2022/07011 ~32:24/06/2022

2024/09745 ~ Complete ~54:PROCESSES FOR MAKING PRMT5 INHIBITORS ~71:PRELUDE THERAPEUTICS INCORPORATED, 200 Powder Mill Road, Experimental Station, E400/3213, Wilmington, Delaware, 19803, United States of America ~72: ANDREW COMBS;GANFENG CAO;HONGWU YU;PENG WEI~ 33:US ~31:63/366,335 ~32:14/06/2022

2024/09680 ~ Provisional ~54:EQG NANO-ENHANCED QUANTUM GEOTHERMAL SOLUTION ~71:GEIOS TECHNOLOGIES EQG, N°5 Sturdee Avenue, Suite 301, Rosebank, Johannesburg, 2196, South Africa ~72: SERROUNE ABDELMOUMEN SHAD~

2024/09683 ~ Provisional ~54:ROOF ACCESS WALKWAY PANEL ~71:METAL PRESS TECHNOLOGY (PTY) LTD T/A MTP SOLAR MOUNTING SOLUTIONS, 6 Amcor Street, Newcastle CBD, South Africa ~72: CHANDLER, Donovan Lee;COETZEE, Frederick;SHORTEN, Peter James~

2024/09695 ~ Complete ~54:METHOD OF DISTINGUISHING THE AUTHENTIC MEDICINAL MATERIAL TAN CYPERI RHIZOMA FROM OTHER MAIN ORIGINS AND NON-MAIN ORIGINS CYPERI RHIZOMA ~71:Institute of Chinese Materia Medica China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District, Beijing, People's Republic of China;Linyi Hospital of Traditional Chinese Medicine, No.286 Wenlianghe Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China;Linyi Medical Care and Health Industry Research Institute, No.286 Wenlianghe Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China ~72: DU Xiyang;GONG Suqin;LI Raorao;YAO Junna;YAO Li;ZHAI Deyin;ZHANG Peihui;ZHANG Zhijie~ 33:CN ~31:2024116817336 ~32:22/11/2024

2024/09705 ~ Complete ~54:PRIMER SET AND DETECTION METHOD FOR DETECTING PIGEON-DERIVED COMPONENTS ACCORDING TO CO 1 GENE ~71:JIANGSU INSTITUTE OF POULTRY SCIENCES, NO.58 CANGJIE ROAD, HANJIANG DISTRICT, YANGZHOU CITY, People's Republic of China ~72: FAN, Yanfeng;HUANG, Shenghai;LIU, Yinyin;MA, Lina;TANG, Mengjun;ZHANG, Jing;ZHANG, Jingxin;ZHOU, Qian~

2024/09711 ~ Complete ~54:SYNBIOTIC COMPOUND FOR PROMOTING COLONIZATION OF BIFIDOBACTERIA AND PREPARATION METHOD THEREOF ~71:NORTHWEST A&F UNIVERSITY, No. 3 Taicheng Road, Yangling Demonstration Zone, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: FU Shangchen;GE Wupeng;JIAN Weiwen;LIU Mengjia;REN Yanxin;SHEN Yufei;TONG Fenfen;ZHANG Yan~

2024/09715 ~ Complete ~54:RECYCLING, CRUSHING AND SEPARATION EQUIPMENT FOR WASTE CONCRETE PRECAST COMPONENT ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Jie LI,;Juan WANG;Ling PI;Qiulan GUO;Yujie LIU;Zhusong Deng~ 33:CN ~31:2024102536411 ~32:06/03/2024

2024/09717 ~ Complete ~54:MEDICINE SPRAYING AND OXYGEN SUPPLY BREATHING MASK FOR RESPIRATORY MEDICINE ~71:Qingdao Central Hospital, No. 127, Siliu South Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Bo JIAO;Hanyu YU~ 33:CN ~31:202411407103X ~32:10/10/2024

2024/09719 ~ Complete ~54:A CULTIVATION EQUIPMENT AND CULTIVATION METHOD FOR OILSEED RAPE WITH HIGH OLEIC ACID ~71:Xizang Academy of Agriculture and Animal Husbandry Sciences, No.150, West Jinzhu Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850000, People's Republic of China ~72: Chao Mi;Shimeng Li~

2024/09726 ~ Complete ~54:AGV INTELLIGENT CHARGING SYSTEM BASED ON WIRELESSCHARGING ~71:SHENZHEN SOLING COMMUNICATION TECHNOLOGY CO., LTD, 4th Floor, Building A2, Chen Wenli Industrial Park, No. 289 Louming Road, Loucun Community, Xinhua Street, Guangming District, People's Republic of China ~72: LIU, ZeYang~

2024/09727 ~ Complete ~54:METHODS OF TREATING FOCAL SEGMENTAL GLOMERULOSCLEROSIS WITH ATRASENTAN ~71:CHINOOK THERAPEUTICS, INC., 188 E Blaine Street, Suite 126, United States of America ~72: CAMARGO, Marianne;KING, Andrew James;TONG, Vincent Wai Yip~ 33:US ~31:63/343,574 ~32:19/05/2022

2024/09731 ~ Complete ~54:A TRANSPORT STRETCHER FOR EMERGENCY AND CRITICAL CARE IN INTERNAL MEDICINE, DESIGNED FOR EASY LIFTING OF PATIENTS ~71:AFFILLATED CANCER HOSPITAL AND INSTITUTE OF GUANGZHOU MEDICAL, No. 78 Hengzhi Gang Road, Yuexiu District, Guangzhou City, Guangdong Province, 510095, People's Republic of China ~72: Chunhui Gao;Ge Wang;Jiding Fu;Junjie Zhang;Nan Li~

2024/09682 ~ Provisional ~54:A SYSTEM AND METHOD OF A FRAGRANCED STICKER WITH ADVERTISING ON IT PLACED ON AN AIRSICK BAG TO PREVENT AIRSICKNESS ~71:MATTHYS MARTINUS VAN MOLENDORFF, NO 69 POMONA ROAD, South Africa ~72: MATTHYS MARTINUS VAN MOLENDORFF~

2024/09703 ~ Complete ~54:MINE BLASTING VIBRATION MONITOR ~71:Anhui Jiangnan Blasting Engineering Co., Ltd, East Zone of Huifeng Garden, Shanmen North Road, Ningguo City, Anhui Province, 242399, People's Republic of China ~72: AI Jiuying;CHENG Bing;GAO Pengfei;HUANG Xianwen;WANG Gang;WANG Ming;WANG Rui;WU Jiankang;XIONG Yantao;ZHANG Chao;ZHANG Xuesong~

2024/09713 ~ Complete ~54:DISINFECTION DEVICE FOR FEVER CLINIC NURSING ~71:Jiaozhou Central Hospital of Qingdao, No. 99, Yunxihe South Road, Jiaozhou City, Qingdao, Shandong, 266300, People's Republic of China ~72: Lu SUN~ 33:CN ~31:2024114608529 ~32:18/10/2024

2024/09716 ~ Complete ~54:PUBLIC HEALTH ATOMIZATION DISINFECTION DEVICE ~71:Qingdao Central Hospital, No. 127, Siliu South Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Jie LUAN;Lei GONG;Xia LIU~ 33:CN ~31:2024114631258 ~32:21/10/2024

2024/09736 ~ Complete ~54:METHOD AND SYSTEM FOR ISOLATING AND PROFILING OF ONCOSOMES FOR EARLY DETECTION AND MONITORING OF ALL HUMAN CANCERS FROM PERIPHERAL BLOOD ~71:VALLABHANENI, Ramesh, 8865 COMMODITY CIRCLE, SUITE 2, ORLANDO, FLORIDA 32819, USA, United States of America ~72: VALLABHANENI, Ramesh~ 33:US ~31:63/348,686 ~32:03/06/2022

2024/09740 ~ Complete ~54:METHOD AND SYSTEM FOR DETERMINING HYDRAULIC FRACTURING ROOF-CUTTING PRESSURE RELIEF TIME OF DYNAMIC PRESSURE TUNNEL ~71:CCTEG COAL MINING RESEARCH INSTITUTE, Tiandi Building No. 5, Youth Ditch Road, Chaoyang District, Beijing 100013, People's Republic of China;TIAN DI SCIENCE & TECHNOLOGY CO., LTD, Tiandi Building No.5, Youth Ditch Road, Chaoyang District, Beijing, 100013, People's Republic of China ~72: JIAN LIN;TAO WANG;XIAOWEI CHU;ZHIGANG WU;ZHIYONG SUN~ 33:CN ~31:202210557277.9 ~32:19/05/2022

2024/09746 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF NOR-UDCA ~71:Shilpa Medicare Limited, 12-6-214/A1, Road Raichur, India ~72: RAMACHANDRAPPA, Hanumantharaja;TIPPIMATH, Channabasayya~ 33:IN ~31:202241024145 ~32:25/07/2022

2024/09707 ~ Complete ~54:CURTAIN OVERLAP MECHANISM ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: YANG Xuemei~

2024/09710 ~ Complete ~54:EUKARYOTIC RECOMBINANT EXPRESSION VECTOR, RECOMBINANT CELL, AND APPLICATION THEREOF FOR EXPRESSING HUMAN SOLUBLE NECTIN-4 EXTRACELLULAR DOMAIN PROTEIN ~71:JURONG PEOPLE HOSPITAL, No. 66 Ersheng Road, Jurong City, Jiangsu Province, People's Republic of China ~72: CHEN Nan;QI Cong;XUE Ning;YI Changhua;YI Yongxiang;ZHAO Yawei~ 33:CN ~31:2024101825683 ~32:19/02/2024

2024/09714 ~ Complete ~54:CONSTRUCTION METHOD FOR GREEN BUILDING WALLS ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Jie LI;Juan WANG;Ling PI;Qiulan GUO;Yujie LIU;Zhusong Deng~ 33:CN ~31:2024100761275 ~32:18/01/2024

2024/09729 ~ Complete ~54:IMPLEMENTATION METHOD FOR PAPER-ORIENTED VISUAL IDENTIFICATION ANTI-COUNTERFEITING ELECTRONIC SEAL ~71:ZHANG, Yiqing, Diejingwan 8-2-301, No. 1288 Binhong East Road, Jindong District, Jinhua, Zhejiang, 321015, People's Republic of China ~72: ZHANG, Wenguang;ZHANG, Yiqing~ 33:CN ~31:202210789920.0 ~32:06/07/2022;33:CN ~31:202211450403.7 ~32:19/11/2022;33:CN ~31:202310796130.X ~32:01/07/2023

2024/09733 ~ Complete ~54:METHODS AND SYSTEMS FOR DETECTING COMPROMISED ACCOUNTS AND/OR ATTEMPTS TO COMPROMISE ACCOUNTS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: CHEAH, Soon-Ee;THIRKELL, Justin~ 33:AU ~31:2022901892 ~32:05/07/2022

2024/09687 ~ Complete ~54:DIGITAL MONITORING METHOD FOR OPEN CAISSON CONSTRUCTION ~71:CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP CO. LTD., No. 552, First road of Guanshan, Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: Ailian Liu;Chenglin

He;Jun Yuan;Kai Liu;Manhe Zhang;Shaojie Ma;Weihong li;Xianwei Liang;Yaowei Wang;Zhen Xu~ 33:CN
~31:202410708129.1 ~32:03/06/2024

2024/09694 ~ Complete ~54:A STOP JUMP SHOT TRAINING DEVICE FOR BASKETBALL TEACHING
~71:JILIN UNIVERSITY OF ARTS, 695 Freedom Avenue, Changchun City, Jilin Province, People's Republic of
China ~72: JI Xiang~

2024/09696 ~ Complete ~54:SAND TABLE FOR INNOVATIVE DESIGN ~71:Henan University of Urban
Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of
China ~72: HU Tao;JIN Bowen;LIU Yuan;TIAN Yangyang~

2024/09681 ~ Provisional ~54:INTEGRATED SYSTEM FOR REAL-TIME MONITORING, AUTOMATED
EMERGENCY RESPONSE, BLOCKCHAIN-BASED INSURANCE PROCESSING, AND GENERATIVE
ADVERSARIAL NETWORK (GAN) AND VARIATIONAL AUTOENCODER (VAE) ENHANCEMENTS IN E-
HAILING SERVICES ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/09691 ~ Complete ~54:OINTMENT FOR TREATING ARTHRITIS AND PREPARATION METHOD
THEREFOR ~71:Wenzhou Traditional Chinese and Western Medicine Hospital, No. 75 Jinxiu Road, Lucheng
District, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Dai Zhonghao;Pan Jiaoyi;Sun
Yongqi;Wang Xiaofeng;Wang Yiting;Zhang Hong~ 33:CN ~31:2024109616224 ~32:18/07/2024

2024/09693 ~ Complete ~54:LOWER JAW SUPPORT, AND METHOD AND SYSTEM FOR CONTROLLING
LOWER JAW SUPPORT ~71:Shandong Weiheng Data Technology Co., Ltd., China Russia Science and
Technology Innovation Park, Building 8, No. 39 Science and Technology Avenue, High tech Zone, Yantai City,
Shandong Province, 264000, People's Republic of China;Shandong Weiheng Medical Technology Co., Ltd.,
Room 101, Building 22, No. 300-3 Changjiang Road, Yantai District, China (Shandong) Pilot Free Trade Zone,
Yantai City, Shandong Province, 264000, People's Republic of China;Yantai Yuhuangding Hospital (Yantai
Yuhuangding Hospital Affiliated to Qingdao University), No. 20 Yuhuangding East Road, Zhifu District, Yantai
City, Shandong Province, 264000, People's Republic of China ~72: LI, Yuan;LI, Zhili;LIU, Xinghui;MU,
Yakui;REN, Chao;SONG, Xicheng;SUN, Ming;WANG, Gao;WANG, Yuting;ZHANG, Yaogang;ZHANG, Yu;ZHOU,
Xuefei~

2024/09700 ~ Complete ~54:BRIDGE TYPE MULTIFUNCTIONAL AUTOMOBILE MAINTENANCE PLATFORM
~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's
Republic of China ~72: CHEN Yuyi~

2024/09709 ~ Complete ~54:AN ELECTRICALLY DRIVEN ROLLER SHUTTER SYSTEM FOR A VEHICLE
~71:SECURI-LID (PTY) LTD., 255 Grahamstown Road, Gate 5, Watt Street, Deal Party, PORT ELIZABETH
6012, Eastern Cape Province, SOUTH AFRICA, South Africa ~72: ROBERTS, Bryndan Hugh~ 33:ZA
~31:2023/11442 ~32:13/12/2023

2024/09742 ~ Complete ~54:DEXMEDETOMIDINE FOR THE TREATMENT OF SLEEP DISORDERS
~71:UNIVERSITÄT ZÜRICH, Rämistrasse 71, 8006, Zürich, Switzerland ~72: DARIO DORNBIERER;HANS-
PETER LANDOLT;Rafael WESPI;SASCHA FRITSCH~ 33:EP ~31:22187344.1 ~32:27/07/2022

2024/09724 ~ Complete ~54:METHOD AND APPARATUS FOR CONTROLLING BRAIN-COMPUTER
INTERFACE DEVICE, AND BRAIN-COMPUTER INTERFACE DEVICE ~71:KINGFAR INTERNATIONAL INC.,
No. 18 ANNINGZHANG EAST ROAD, Haidian District, People's Republic of China ~72: ZHAO, Qichao~ 33:CN
~31:202311865582.5 ~32:29/12/2023

2024/09686 ~ Complete ~54:A MATERIAL DETECTION METHOD BASED ON SINGLE STANDARD SAMPLE CORRECTION - LASER INDUCED BREAKDOWN SPECTROSCOPY ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: CHEN, Jiaye;CHEN, Shanbao;GUO, Junji;LI, Kuohu;LIU, Le;LIU, Zhiqing;WANG, Chaoyong;WANG, Xinlian;WANG, Yarui;ZHAO, Jun~

2024/09690 ~ Complete ~54:AN AUTOMATIC IRRIGATION SYSTEM FOR CROPS BASED ON ENVIRONMENTAL SENSORS ~71:Gansu Agricultural University, No. 1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Caixia HUANG;Fuqiang LI;Fuxue FENG;Yayu WANG;Yutong LIU;Zeyi WANG~

2024/09706 ~ Complete ~54:REHABILITATION NURSING DEVICE FOR VASCULAR MEDICINE ~71:Qingdao Central Hospital, No. 127, Siliu South Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Bo JIAO;Jun ZHANG~ 33:CN ~31:2024114589532 ~32:18/10/2024

2024/09708 ~ Complete ~54:MOLECULAR SIEVE COMPOSITE MATERIAL SUITABLE FOR OZONE CATALYSIS TECHNOLOGY, PREPARATION METHOD AND APPLICATION THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: GU, Xiaogang;GUO, Xiang;LING, Huifang;SHI, Xinyu;SU, Qiya;WANG, Gongmao;WU, Junfeng;XIE, Nana;YUAN, Yunchang;ZHAO, Weichen~

2024/09734 ~ Complete ~54:GRAPHICAL USER INTERFACES AND SYSTEMS, METHODS, AND COMPUTER-READABLE MEDIA FOR PROVIDING GRAPHICAL USER INTERFACES ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: HUSKISSON, Adam;NICOLL, Molly~ 33:AU ~31:2022901903 ~32:07/07/2022;33:AU ~31:2022902574 ~32:07/09/2022

2024/09721 ~ Complete ~54:THE PROTEIN MARKERS USED FOR THE DETECTION OF FETAL GROWTH RESTRICTION AND THEIR APPLICATION ~71:The First Affiliated Hospital of Hainan Medical University, No. 31 Longhua Road, Longhua District, Haikou City, Hainan Province, 570102, People's Republic of China ~72: Guilin He;Jie Weng;Su Chen;Yi Ling;Yuefen Chen~

2024/09725 ~ Complete ~54:METHOD FOR EVALUATING HUMAN-MACHINE INTERACTION OF VEHICLE, SYSTEM, EDGE COMPUTING DEVICE, AND MEDIUM ~71:KINGFAR INTERNATIONAL INC., Room 202, Beifufang, Building 23, No. 18 Anningzhuang East Road, Qinghe, Haidian District, People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202311790032.1 ~32:22/12/2023;33:CN ~31:202311869332.9 ~32:29/12/2023

2024/09685 ~ Provisional ~54:A FREIGHT CARRIER ~71:BENNETTO, Peter, 18 Vida Nova, Buh Rein, Cape Town 7570, SOUTH AFRICA, South Africa ~72: BENNETTO, Peter Geoffrey~

2024/09701 ~ Complete ~54:A VISUALIZED INTELLIGENT TEACHING SYSTEM FOR VOCATIONAL EDUCATION IN NEW ENERGY VEHICLES ~71:Hebei Jiaotong Vocational and Technical College, No.339 Huai'an East Road, High tech Zone, Shijiazhuang City, Hebei Province, People's Republic of China;Hebei Vocational College Of Labour Relations, No. 6 Xueyuan Road, South End of Hongqi Street, Qiaoxi District, Shijiazhuang City, Hebei Province, People's Republic of China ~72: Du Rong;Liu Yapeng;Wang Aibing;Zhang Huaxin;Zhang Meng;Zhang Yuquan~ 33:CN ~31:2024116793914 ~32:22/11/2024

2024/09702 ~ Complete ~54:HOLE SEALING DEVICE FOR MINE BLASTING ~71:Anhui Jiangnan Blasting Engineering Co., Ltd, East Zone of Huifeng Garden, Shanmen North Road, Ningguo City, Anhui Province, 242399, People's Republic of China ~72: AI Jiuying;CHENG Bing;GAO Pengfei;HUANG Xianwen;WANG Gang;WANG Ming;WANG Rui;WU Jiankang;XIONG Yantao;ZHANG Chao;ZHANG Xuesong~

2024/09704 ~ Complete ~54:SAND SCREENING DEVICE FOR HIGH EFFICIENCY CIVIL ENGINEERING EXPERIMENT ~71:LUDONG UNIVERSITY, NO.186, MIDDLE HONGQI ROAD, ZHIFU DISTRICT, YANTAI CITY, People's Republic of China ~72: CHU, Shiqin;LUAN, Yexing;ZHOU, Hong;ZHOU, Jianbo~

2024/09712 ~ Complete ~54:EUCOMMIA ULMOIDES TRADITIONAL CHINESE MEDICINE HYDROGEL FACIAL MASK PATCH AND PREPARATION METHOD AND APPLICATION THEREOF ~71:RESEARCH INSTITUTE OF NON-TIMBER FORESTRY, CHINESE ACADEMY OF FORESTRY, NO. 3, WEIWU ROAD, People's Republic of China ~72: CHENG, Jiaqi;DU, Lanying;DU, Ping;DU, Qingxin;LI, Zhiguo;LIU, Panfeng;QING, Jun;SUN, Zhiqiang;WANG, Lu;WANG, Yan~

- APPLIED ON 2024/12/18 -

2024/09760 ~ Complete ~54:FILM COMPOSITE NANOMETER SEMICONDUCTOR OPTOELECTRODE MATERIAL ~71:Chengchuan Green Hydrogen New Energy (Jinan) Co., Ltd, Room 1806, Building 4, Future Entrepreneurship Plaza, North Section of Gangxing 3rd Road, Jinan Area, (Shandong) Pilot Free Trade Zone, People's Republic of China ~72: FENG Haoxuan;JIA Qiang;LI Zhiguo;LIU Yang;XIAO Xue;YIN Bo;ZHAO Baoshun~

2024/09755 ~ Complete ~54:CONTROL METHOD OF SERVO MOTOR NONLINEAR SYSTEM ~71:TANGSHAN UNIVERSITY, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: DAI Yan;MA Zhuang;WANG Chengyi~

2024/09761 ~ Complete ~54:TITANIUM ALLOY TUBE INTERNAL AND EXTERNAL GRINDING DEVICE ~71:Zhejiang Shengjie Titanium Technology Co., Ltd., No. 8 Xianghong Road, Jianshan New District, Haining City, Jiaxing City, Zhejiang Province, People's Republic of China ~72: Shengjie Wang;Shouhan Wang;Tengyu Yang;Xiaowen Sun;Xinyue Chen;Yitao Fan;Yulin Zhou~ 33:CN ~31:2024106960342 ~32:31/05/2024

2024/09764 ~ Complete ~54:SMART CITY TRAFFIC PLANNING SYSTEM BASED ON SIMULATION DYNAMIC SIMULATION TECHNOLOGY ~71:East China Jiaotong University, No. 808, Shuanggang East Street, Nanchang City, Jiangxi Province, 330100, People's Republic of China ~72: Feng Daoming;Jia Chongqiang;Liu Kai~

2024/09767 ~ Complete ~54:PHARMACEUTICAL MANAGEMENT METHOD AND SYSTEM IN CLINICAL TRIAL NURSING PROCESS OF TRIAL PHARMACEUTICALS ~71:Shanghai Pulmonary Hospital, No. 507, Zhengmin Road, Wujiaochang Street, Yangpu District, Shanghai City, People's Republic of China ~72: Qin Jiayin;Wu Jiayue~ 33:CN ~31:2024117781187 ~32:05/12/2024

2024/09771 ~ Complete ~54:SIRNA INTERFERING COMPOSITION FOR INHIBITING BREAST CANCER TUMOR GROWTH AND METASTASIS AND USE THEREOF ~71:Shandong Medical College, No. 5460 Second Ring South Road, Shizhong District, Jinan City, Shandong Province, 250024, People's Republic of China ~72: CHEN, Rui;DONG, Zhen;LI, Wei;LI, Xia;LIU, Guoju;LIU, Xinyong;WANG, Hongwei~

2024/09777 ~ Complete ~54:DEVICE FOR DETECTING LITHIUM BATTERIES ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi, People's Republic of China ~72: Chengyu Liu;Ling Li;Minhua Jiang;Taibin Huang;Tingting Zhu;Zhiyu Yang~

2024/09779 ~ Complete ~54:ENCRYPTION AND RETRIEVAL METHOD FOR IOT, AND IOT SYSTEM ~71:GUANGDONG OPEN UNIVERSITY (GUANGDONG POLYTECHNIC INSTITUTE), No. 1, Xiatang West Road, Yuexiu District, People's Republic of China ~72: WANG, Dongxing;WANG, Weixing~

2024/09786 ~ Complete ~54:BIDIRECTIONAL COMBINED PUMP WITH HEAT DISSIPATION FUNCTION ~71:Sichaun Aerospace Shiyuan Technology Co., Ltd., No. 118, Aerospace North Road, Longquan Street,

Chengdu Economic and Technological Development Zone (Longquanyi District), Sichuan Province, 610000, People's Republic of China ~72: Duan Shengqiu;Hou Rong;Jiang Yinlong;Mou Yijie;Pu Yi;Song Sihao;Tian Nong~

2024/09789 ~ Complete ~54:LIQUID PHARMACEUTICAL FORMULATIONS OF CNP COMPOUNDS
~71:ASCENDIS PHARMA GROWTH DISORDERS A/S, TUBORG BOULEVARD 12, 2900 HELLERUP,
DENMARK, Denmark ~72: HERSEL, Ulrich;LADIGES, Andrea;SCHRÖDER, Steffen;WOODS, Tom~ 33:EP
~31:22174758.7 ~32:23/05/2022

2024/09801 ~ Complete ~54:COLLAGEN PEPTIDE-BASED MEDICAMENT COMPOSITIONS AND USES
THEREOF ~71:Sustain Holdings, LLC, 411 SE Osceola St., Suite 203, STUART 34994, FL, USA, United States
of America ~72: BARATTA, Robert O.;CALKINS, David J.;DEL BUONO, Brian J.;SCHLUMPF, Richard E.~ 33:US
~31:63/367,080 ~32:27/06/2022

2024/09811 ~ Complete ~54:METHOD AND SYSTEM FOR OUT-OF-ORDER PLACEMENT OF ARCHIVE BOX,
AND SMART TERMINAL AND STORAGE MEDIUM ~71:BEIJING RONG'ANTE INTELLIGENT TECHNOLOGY
CO., LTD., Bldg 55, NO.17, Huanke Middle Rd, Jinqiao Sci And Tech Ind Base, Tongzhou Park, Zhongguancun
Sci And Tech Park, Tongzhou District, Beijing, 101149, People's Republic of China ~72: JIAN ZHANG;KUN
ZHANG;LAIBIN BAI;LONG HE;LONGFEI YANG;QIANWEI LI;QING LIU;SHUAISHUAI YU;XIAOJUN
JIANG;YUNTAO JIANG;ZHIXIANG YANG~ 33:CN ~31:202211176447.5 ~32:26/09/2022

2024/09817 ~ Complete ~54:KAT6 TARGETING COMPOUNDS WITH UBIQUITIN LIGASE BINDING MOIETY
~71:PRELUDE THERAPEUTICS INCORPORATED, 175 Innovation Boulevard, Wilmington, Delaware 19805,
United States of America ~72: ANDREW PAUL COMBS;ANDREW W BUESKING;SARAH PAWLEY~ 33:US
~31:63/366,484 ~32:16/06/2022

2024/09752 ~ Provisional ~54:LOCK MOUNTING DEVICE ~71:BRASIL FRANK AND ASSOCIATES (PTY) LTD,
212 Harbour Bay Apartments, Dido Valley Road, South Africa ~72: CLANCY, Colin Joseph;FRANK, Howard
Hughes;KULENKAMPFF, Nichlas;RIVETT, Craig Douglas Arthur~

2024/09754 ~ Complete ~54:DUMPLING AND MAKING METHOD THEREFOR ~71:Siping Yixiangge Catering
Consulting Management Co., Ltd., Guoguang Committee, Hero Street, Tiexi District, Siping City, Jilin Province,
136000, People's Republic of China ~72: CHEN, Tieming;GONG, Yuehong;GONG, Yuehui;LIU, Jingchun;LUO,
Peiheng;YIN, Guangzhi;ZHANG, Xiuchen~

2024/09758 ~ Complete ~54:A METHOD FOR THE PREPARATION OF BIPHENYL-4-FORMYL COREY
LACTONE AND TRIPHENYLMETHANOL ~71:Jilin Medical University, No.5 Jilin Street, Jilin City, Jilin Province,
People's Republic of China ~72: CHENG HU;JIAXUE LIU;LIPING ZHU;MEIQI SUN;MO CHEN;SHUJUAN
WANG;WEILONG YANG;YANGYANG WANG;YINSHUO XU;ZHIMING XIU~

2024/09766 ~ Complete ~54:PREPARATION METHOD OF CORE-SHELL COMPOSITE PHOTOCATALYTIC
MATERIAL FOR TREATING DYE WASTEWATER ~71:Qinghai Normal University, No.38 Wusi West Road,
Chengxi District, Xining City, Qinghai Province 810008, People's Republic of China ~72: GAO Qiang~ 33:CN
~31:2023118358852 ~32:28/12/2023

2024/09774 ~ Complete ~54:AN AUTOMATIC GENERATOR ~71:Xuejun An, Huaming, Changjiang Road,
Geermu, Haixi Mongolian and Tibetan Autonomous Prefecture, Qinghai, People's Republic of China ~72: Xuejun
An~ 33:CN ~31:202422771008X ~32:14/11/2024

2024/09776 ~ Complete ~54:NOVEL AUTOMOTIVE LITHIUM BATTERY PACK ~71:XINYU UNIVERSITY, No.
2666, Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi Province, People's Republic of China ~72: Chengyu
Liu;Ling Li;Minhua Jiang;Taibin Huang;Tingting Zhu~

2024/09785 ~ Complete ~54:TISSUE CULTURE METHOD FOR QUERCUS NUTTALLII ~71:Research Institute of Subtropical Forestry, Chinese Academy of Forestry, No. 73, Daqiao Road, Fuchun Street, Fuyang District, Hangzhou City, Zhejiang Province, 311400, People's Republic of China ~72: Sun Haijing~

2024/09792 ~ Complete ~54:PEPTIDES AND METHODS FOR USE IN TREATING PAIN ~71:TAFALGIE THERAPEUTICS, 163 AVENUE DE LUMINY, PARC SCIENTIFIQUE ET TECHNOLOGIQUE DE LUMINY, BÂT. CCIMP, 13009 MARSEILLE, FRANCE, France ~72: GAILLARD, Stéphane;MOQRICH, Abdelaziz~ 33:EP ~31:22305773.8 ~32:25/05/2022

2024/09803 ~ Complete ~54:MELTING FURNACES AND CHARGING OF MELTING FURNACES ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: BASTARRACHEA, Karin Gabriela;HOLMES, Kirk;PLUMBO, Victor A.;WILL, Steven~ 33:US ~31:17/861,993 ~32:11/07/2022

2024/09812 ~ Complete ~54:UNMANNED ARCHIVAL WAREHOUSE ROBOT MANAGEMENT METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM ~71:BEIJING RONG'ANTE INTELLIGENT TECHNOLOGY CO., LTD., Bldg 55, NO.17, Huanke Middle Rd, Jinqiao Sci And Tech Ind Base, Tongzhou Park, Zhongguancun Sci And Tech Park, Tongzhou District, Beijing, 101149, People's Republic of China ~72: JIAN ZHANG;KUN ZHANG;LAIBIN BAI;LONG HE;LONGFEI YANG;QING LIU;SHUAISHUAI YU;XIAOJUN JIANG;YUNTAO JIANG;ZHIXIANG YANG~ 33:CN ~31:202211175293.8 ~32:26/09/2022

2024/09748 ~ Provisional ~54:A WATER TREATMENT SYSTEM ~71:TAKATSEAU (PTY) LTD, Inanda Business Park, 98 Albertyn Avenue – Block A, South Africa ~72: LEGRIS, Pierre-Yves;POURTEAU, Mickael~

2024/09784 ~ Complete ~54:OFF-ROAD RAMP TRAVELLING VEHICLE ASSISTANCE SYSTEM AND METHOD ~71:HEXAGON GEOSYSTEMS SERVICES AG, Heinrich-Wild-Strasse 201, CH-9435, Heerbrugg, Switzerland ~72: BARBARA HIRTZ;JOHANNES HUBER;PETER SPRING~ 33:US ~31:18/408,423 ~32:09/01/2024

2024/09769 ~ Complete ~54:SPECIAL FERTILIZER FOR PLANTING GLEHNNIA LITTORALIS AND PREPARATION METHOD THEREOF ~71:Chifeng Institute of Agriculture and Animal Husbandry Science, Keyan Road, Party School Group, Songshan District, Chifeng City, Inner Mongolia Autonomous Region, 024031, People's Republic of China ~72: DENG, Yu;GAO, Zhihui;LI, Wenwen;LI, Xiaoru;NA, Rina;QU, Yingchao;RONG, Di;SUO, Limo;WANG, Shengnan;WANG, Yan;WU, Rentuya;YU, Huanhuan;ZHAO, Jianping~ 33:CN ~31:202410401119.3 ~32:03/04/2024

2024/09795 ~ Complete ~54:SPHERICAL CALCIUM SILICATE ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: CAO, Bin;CARTER, Peter;GALLIS, Karl, W.;HAGAR, William, J.;LUNDQUIST, Eric, G.;SINCLAIR, Fitzgerald, A.~ 33:US ~31:63/346,627 ~32:27/05/2022;33:EP ~31:22177989.5 ~32:09/06/2022

2024/09798 ~ Complete ~54:METHODS AND PHARMACEUTICAL COMPOSITIONS FOR THE TREATMENT AND THE PREVENTION OF ALZHEIMERS DISEASE ~71:CORNELL UNIVERSITY, 395 Pine Tree Road, Suite 310, United States of America ~72: CRYSTAL, Ronald G.;KAMINSKY, Stephen M.;SONDHI, Dolan~ 33:US ~31:63/367,995 ~32:08/07/2022;33:US ~31:63/385,889 ~32:02/12/2022;33:US ~31:63/496,792 ~32:18/04/2023

2024/09814 ~ Complete ~54:MACROCYCLIC RAS INHIBITORS ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, California, 94063, United States of America ~72: ADRIAN L GILL;ELENA S KOLTUN;JAMES CREGG;JOHN E KNOX~ 33:US ~31:63/351,146 ~32:10/06/2022;33:US ~31:63/455,649 ~32:30/03/2023

2024/09753 ~ Provisional ~54:"INVIDOTECH: GPS-INTEGRATED MICRODOT TECHNOLOGY WITH ON-DEMAND ACTIVATION CAPABILITY" ~71:Invidotech, Brooklands Estate, Kosmosdal, South Africa ~72: Calvin Peu~

2024/09756 ~ Complete ~54:TARGETED GENE RECOMBINATION METHOD ~71:Wuhu Xia, Group 6, Shigang Village, Tanghu Town, Tongcheng County, Xianning, Hubei, People's Republic of China ~72: Wuhu Xia~ 33:CN ~31:2024114873967 ~32:24/10/2024

2024/09759 ~ Complete ~54:ROADWAY ROOF MONITORING METHOD AND SYSTEM BASED ON INTELLIGENT ROBOT INSPECTION ~71:Xinjiang Institute of Engineering, No. 1350 Aidinghu Road, Toutunhe District, Urumqi City, Xinjiang, People's Republic of China ~72: MA Liqiang;XU Juan;YANG Sen~ 33:CN ~31:2024117141937 ~32:26/11/2024

2024/09762 ~ Complete ~54:METHOD FOR DEGRADING ORGANIC POLLUTANTS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Bai Aoxuan;Chang Linlin;HanYu;Jiang Libin;Lei Yating;Li Guofeng;Li Zhengjie;Liu Jingquan;Liu Xueping;Ma Fengfeng;Mao Yanli;Peng Rongfu;Shui Jiayi;Song Zhongxian;Sun Jiawei;Wang Chaohai;Wang Junning;WangKai;Yin Shiqiang;Zhang Jinhui;Zhu Xinfeng~ 33:CN ~31:2024113265254 ~32:23/09/2024

2024/09775 ~ Complete ~54:AN ELECTROCARDIOGRAM (ECG) TELEMATICS PLATFORM ~71:ByMedical and Scientific (Pty) Ltd, Office 16D2, 16th Floor, South Africa ~72: ByMedical and Scientific (Pty) Ltd~

2024/09787 ~ Complete ~54:METHOD FOR CONTROLLING SIGNAL ACQUISITION ELECTRODE, EEG SIGNAL ACQUISITION DEVICE, AND MEDIUM ~71:KINGFAR INTERNATIONAL INC., No. 18 Anningzhuang East Road, Haidian District, People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202311808091.7 ~32:26/12/2023;33:CN ~31:202311810635.3 ~32:26/12/2023;33:CN ~31:202311814246.8 ~32:26/12/2023

2024/09791 ~ Complete ~54:NON-WEATHERING, FLAME-PROOF COMPOSITE MATERIAL ~71:INM - LEIBNIZ-INSTITUT FÜR NEUE MATERIALIEN GEMEINNÜTZIGE GMBH, CAMPUS D2 2, 66123 SAARBRÜCKEN, GERMANY, Germany ~72: BECKER-WILLINGER, Carsten;BUKOWSKI, Mirko;CHEIKHYOUSSEF, Ahmad;NAOMAB, Eroid;NAOMAS, Leonoritha, Roswitha;REINHARD, Bernd;STUURMANN, Aibate, Hatago~ 33:DE ~31:10 2022 113 440.7 ~32:27/05/2022

2024/09800 ~ Complete ~54:FIXED-TRACK TRANSPORT DEVICE ~71:Antal ZOMBORI, Jablonka út 35., Hungary ~72: Antal ZOMBORI~ 33:HU ~31:P2200239 ~32:28/06/2022

2024/09816 ~ Complete ~54:WEAR ASSEMBLY FOR A HELICALLY FORMED, METAL DECANter SCREW CONVEYOR ~71:ALFA LAVAL CORPORATE AB, P.O. Box 73, SE-221 00, Lund, Sweden ~72: EGON TANDRUP~ 33:EP ~31:22186024.0 ~32:20/07/2022

2024/09808 ~ Complete ~54:JACKETED PIPE PUMP ~71:WEIR PUMP AND VALVE SOLUTIONS, INC, 8625 Grant Road, United States of America ~72: BRIDGEMAN, Tracy;PONRAJ, Biji;SCHERBIK, Jay Edward~ 33:US ~31:63/389,397 ~32:15/07/2022;33:GB ~31:2211133.0 ~32:29/07/2022

2024/09772 ~ Complete ~54:GRADED REMOVAL METHOD OF MERCURY ELEMENT IN COAL ~71:Tarim University, No. 705 Hongqiao South Road, Alar City, Xinjiang Uyghur Autonomous Region, 843300, People's Republic of China ~72: CHEN, Yahui;HU, Dechao;MA, Xiaoyan;ZHANG, Hongxi~

2024/09782 ~ Complete ~54:METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE, FOR PERFORMING DEBLOCKING FILTERING BY DETERMINING BOUNDARY STRENGTH, AND METHOD FOR TRANSMITTING BITSTREAM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: HYEONG MOON JANG;SANGHEON LEE~ 33:US ~31:62/994,831 ~32:25/03/2020

2024/09793 ~ Complete ~54:IMPROVED BIOTECHNOLOGICAL METHOD FOR PRODUCING GUANIDINO ACETIC ACID (GAA) BY USING NADH-DEPENDENT DEHYDROGENASES ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: MARIN, Kay;NICKOLAUS, Melanie;OESTERHOFF, Marleen;SCHAFFER, Steffen;SCHNEIDER, Frank;TEGETHOFF, Julia~ 33:EP ~31:22177262.7 ~32:03/06/2022

2024/09797 ~ Complete ~54:ANTI-CD40 ANTIBODY, ANTI-PD-L1xCD40 BISPECIFIC ANTIBODY, AND USE THEREOF ~71:FUTUREGEN BIOPHARMACEUTICAL (BEIJING) CO., LTD., 2-201, Building 1, #16 Baoshennanjie, Daxing Shengwuyiyao Chanyejidi, Zhongguancun Science Park, People's Republic of China ~72: HUO, Naifan;JIN, Zhaoyu;LI, Yun;YANG, Xi;YANG, Yaping;ZHANG, Li'na;ZHAO, An~ 33:CN ~31:202210613702.1 ~32:31/05/2022;33:CN ~31:202210616280.3 ~32:31/05/2022;33:CN ~31:202310573344.0 ~32:19/05/2023

2024/09815 ~ Complete ~54:ANTI-PD-1 ANTIBODY-ATTENUATED IL-2 IMMUNOCONJUGATES AND USES THEREOF ~71:CEPHALON LLC, 145 Brandywine Parkway, West Chester, Pennsylvania, 19380, United States of America ~72: ANTHONY GERARD DOYLE;DAVID S WILSON JR.;DEBASISH SEN;JULIA ROZENFELD;KIM TRAN YAP;PAUL AYTON;SACHIN BADRINATH SURADE~ 33:US ~31:63/352,842 ~32:16/06/2022;33:US ~31:63/481,630 ~32:26/01/2023;33:US ~31:63/502,746 ~32:17/05/2023

2024/09829 ~ Complete ~54:METHOD FOR IMPROVING FECUNDITY OF BREEDING GEESE ~71:INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: PENG, Fugang;SUN, Jinyan;YUE, Shan;ZHANG, Yuanliang;ZHAO, Xiuhua~

2024/09781 ~ Complete ~54:METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE, FOR PERFORMING DEBLOCKING FILTERING BY DETERMINING BOUNDARY STRENGTH, AND METHOD FOR TRANSMITTING BITSTREAM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: HYEONG MOON JANG;SANGHEON LEE~ 33:US ~31:62/994,831 ~32:25/03/2020

2024/09794 ~ Complete ~54:METHOD FOR PRODUCING GUANIDINO ACETIC ACID (GAA) ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: MARIN, Kay;NICKOLAUS, Melanie;OESTERHOFF, Marleen;SCHNEIDER, Frank;TEGETHOFF, Julia~ 33:EP ~31:22177256.9 ~32:03/06/2022

2024/09805 ~ Complete ~54:TIRZEPATIDE COMPOSITIONS AND USE ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: KOENIG, Michael J.;QIAN, Ken Kangyi~ 33:US ~31:63/357,285 ~32:30/06/2022

2024/09750 ~ Provisional ~54:METHOD AND PROCESS FOR COATING FROZEN OR FRESH FRUIT IN CHOCOLATE, IN SOME INSTANCES YOGHURT. ~71:2021/601747/07, 4 LAURISTON PLACE, South Africa ~72: KYLE ADRIAN BARCLAY~

2024/09757 ~ Complete ~54:WIND POWER GENERATION SYSTEM UTILIZING RAILWAY OR HIGHWAY FACILITIES AND METHOD THEREOF ~71:Zenghui Li, Nanli Community, Zhuanjiaolou, Hepingjie Street,

Chaoyang Dist., Beijing, People's Republic of China ~72: Zenghui Li~ 33:CN ~31:2024109323878
~32:12/07/2024

2024/09749 ~ Provisional ~54:A CONNECTOR FOR A DETONATOR ~71:DETNET SOUTH AFRICA (PTY) LTD,
AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: SCHLENTER, Craig Charles~

2024/09765 ~ Complete ~54:PROCESSING METHOD FOR CORYDALIS YANHUSUO SLICES ~71:Hangzhou
Institute of Food and Drug Inspection Science(Hangzhou Adverse Reaction Monitoring Center for Drugs and
Medical Devices), Building 1, 2, and 3, Huilonghu Mansion, No. 198 Yonghua Street, Shiqiao Road, Xiacheng
District, Hangzhou City, Zhejiang Province, 310026, People's Republic of China ~72: MA, Zhao;SHEN,
Guofang;SHI, Si;WANG, Yujun;YU, Jia;ZHANG, Wei;ZHENG, Xiaoying~

2024/09773 ~ Complete ~54:HUMAN BIOLOGICAL RHYTHM MONITORING METHOD ~71:Shandong Medical
College, No. 5460 Second Ring South Road, Shizhong District, Jinan City, Shandong Province, 260002, People's
Republic of China ~72: CHEN, Junmeng;CHEN, Rui;DU, Zekai;KONG, Ruixue;LI, Wei;LI, Xia;LI, Yufei;LIU,
Guoju;WANG, Hongwei;XIN, Hua;XU, Guiping;XU, Shuhua;ZHOU, Xiao~ 33:CN ~31:202311806508.6
~32:26/12/2023

2024/09780 ~ Complete ~54:INTELLIGENT IOT CONTROL METHOD AND IOT SYSTEM ~71:GUANGDONG
OPEN UNIVERSITY (GUANGDONG POLYTECHNIC INSTITUTE), No. 1, Xiatang West Road, Yuexiu District,
People's Republic of China ~72: WANG, Dongxing~

2024/09796 ~ Complete ~54:BENZIMIDAZOLE OR AZABENZIMIDAZOLE COMPOUND, PREPARATION
METHOD THEREFOR AND USE THEREOF ~71:CHENGDU DI'AO JIUHONG PHARMACEUTICAL FACTORY,
NO. 16 GAOPENG EAST ROAD, HIGH-TECH, DEVELOPMENT ZONE, CHENGDU, SICHUAN 610041, CHINA,
People's Republic of China ~72: DENG, Ta;DONG, Guangxin;HE, Peng;HUANG, Pei;LI, Bogang;LI, Shan;YE,
Qijun;YU, Zhou;ZHANG, Juan;ZHANG, Rui;ZHANG, Shaofeng;ZHANG, Yong~ 33:CN ~31:202210548598.2
~32:20/05/2022;33:CN ~31:202210936272.7 ~32:05/08/2022

2024/09799 ~ Complete ~54:POLYMER SYSTEM FOR FORMING A HYDROGEL ~71:STELLENBOSCH
UNIVERSITY, Admin B, Victoria Street, South Africa ~72: KELLERMANN, Leanne;KLUMPERMAN, Lubertus~
33:GB ~31:2207359.7 ~32:19/05/2022

2024/09802 ~ Complete ~54:PARAMETER SETTING METHOD AND APPARATUS ~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: CHEN, Shuai;CHEN, Wenming;FAN, Dinghong~ 33:CN
~31:202211068601.7 ~32:31/08/2022

2024/09806 ~ Complete ~54:MIXING SECONDARY GRAPHICS ELEMENTS IN HDR IMAGES ~71:Koninklijke
Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: MERTENS,
Mark Jozef Willem~ 33:EP ~31:22175149.8 ~32:24/05/2022

2024/09813 ~ Complete ~54:LATCH MECHANISM ~71:ELECTROLATCH (PTY) LTD., 22A River Road, Rivonia,
Sandton, Gauteng, 2128, South Africa ~72: CHRISTIAAN JOHANNES HENDRIK SERFONTEIN;DENNIS MARK
HOLDEN;LUAN STEYN;NICHOLAS DANIEL POPICH~ 33:ZA ~31:2022/06027 ~32:31/05/2022

2024/09810 ~ Complete ~54:DATA TRANSMISSION METHOD AND APPARATUS, AND DEVICE AND
STORAGE MEDIUM ~71:SHENZHEN NATIONAL ENGINEERING LABORATORY OF DIGITAL TELEVISION
CO., LTD., Room 21A, Guoshi Building, No. 1801, Shahe West Road, Gaoxin Community, People's Republic of
China ~72: CHANG, Lin;LI, Xinguo;WU, Yujie;XU, Linyu;YU, Xiaolong~ 33:CN ~31:202211239665.9
~32:11/10/2022

2024/09751 ~ Provisional ~54:SYSTEMS AND METHODS FOR DIGITAL MEDICAL DOCUMENTATION AND ABSENCE MANAGEMENT ~71:K2023243649 (SOUTH AFRICA) (PTY) LTD, 98 Longlands Country Estate, Polkadraai Road, STELLENBOSCH 7600, WESTERN CAPE, SOUTH AFRICA, South Africa ~72: Fourie, Marius~

2024/09763 ~ Complete ~54:HIGH-YIELD CULTIVATION METHOD FOR SOLANUM TUBEROSUM ~71:Zhaotong Academy of Agricultural Sciences, No. 47 Fengxia Road, Zhaoyang District, Zhaotong City, Yunnan Province, 657000, People's Republic of China ~72: HU, Zuo;LI, Huailong;LI, Zhou;TU, Guojing;YANG, Ju~

2024/09768 ~ Complete ~54:METHOD FOR PREPARING $CO_2@MNO_2$ COMPOSITE MATERIALS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Bai Aoxuan;Chang Linlin;Han Yu;Jiang Libin;Lei Yating;Li Guofeng;Li Zhengjie;Liu Jingquan;Liu Xueping;Ma Fengfeng;Mao Yanli;Peng Rongfu;Shui Jiayi;Song Zhongxian;Sun Jiawei;Wang Chaohai;Wang Junning;Wang Kai;Yin Shiqiang;Zhang Jinhui;Zhu Xinfeng~ 33:CN ~31:2024113036522 ~32:19/09/2024

2024/09770 ~ Complete ~54:APPLICATION OF STREPTOMYCES MURINUS JKTJ-3 IN STRAWBERRY SEEDLING CULTIVATION ~71:Wuhan Academy of Agricultural Sciences, 173 Baishazhou Avenue, Hongshan District, Wuhan City, Hubei Province, 430064, People's Republic of China ~72: Aicheng Li;Dehuan Wang;Huan Liang;Jiangyong Hu;Jing Song;Juhong Zhu;Mihong Ge;Mobing Zhou;Ping Huang;Qian Yu;Xianfeng Shi;Zhaoyang Zhang;Zuping Chen~ 33:CN ~31:202411475527.X ~32:22/10/2024

2024/09778 ~ Complete ~54:CONSTRUCTION MANAGEMENT SYSTEM AND METHOD ~71:CNNC Zhejiang Energy Co., Ltd., No. 61-12 Xingnan Road, Hepu Town, Xiangshan County, NINGBO, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Hua;CHEN, Jiangang;CHEN, Ziming;GUO, Shanxing;HUANG, Qiang;LI, Jun;LI, Zongbao;LIAO, Jun;LIU, Chenggang;LIU, Qiang;LIU, Xiaodong;SHEN, Guozhang;SONG, Xiaobo;WANG, Tianwei;WANG, Wushi;WANG, Yuechun;XIAO, Bo;XU, Jun;YAN, Zhuoqi;YANG, Yunfei;YAO, Zhaohong;YE, Jiayang;YUAN, Zhongdong;ZHONG, Hua;ZHONG, Jun~ 33:CN ~31:202411119649.5 ~32:15/08/2024

2024/09783 ~ Complete ~54:METHOD AND APPARATUS FOR ENCODING/DECODING IMAGE, FOR PERFORMING DEBLOCKING FILTERING BY DETERMINING BOUNDARY STRENGTH, AND METHOD FOR TRANSMITTING BITSTREAM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18, Haibin Road, Wusha, Chang'an, Dongguan, Guangdong 523860, People's Republic of China ~72: HYEONG MOON JANG;SANGHEON LEE~ 33:US ~31:62/994,831 ~32:25/03/2020

2024/09788 ~ Complete ~54:SYSTEMS AND METHODS FOR IDENTIFYING PEPTIDES ~71:YYZ PHARMATECH INC., 2 Glenrose Ave, Canada ~72: BOWDEN, Peter;DUFRESNE, Jaimie;MARSHALL, John G.~ 33:US ~31:63/357,534 ~32:30/06/2022;33:US ~31:63/402,157 ~32:30/08/2022

2024/09790 ~ Complete ~54:FRAMING STRUCTURE FOR AN ELECTROLYSER ~71:VIERING, JENTSCHURA & PARTNER MBB PATENT- UND RECHTSANWÄLTE, GRILLPARZERSTR. 14, 81675 MÜNCHEN, GERMANY, Germany ~72: LIUZZO, Mirko;NUZZO, Daniele;PEREGO, Michele~ 33:IT ~31:102022000011972 ~32:07/06/2022

2024/09804 ~ Complete ~54:USE OF GLOBAL DIALING FORMAT FOR CONTACT SHARING AND TEXT MESSAGING ~71:OJESINA, Victor, Tokunbo, 6522 Vickie Springs Lane, HOUSTON 77086, TX, USA, United States of America ~72: OJESINA, Victor, Tokunbo~ 33:US ~31:17/854,178 ~32:30/06/2022

2024/09807 ~ Complete ~54:COMPOSITIONS AND METHODS COMPRISING ANTIBODIES THAT BIND TO COVALENT PEPTIDE CONJUGATES ~71:New York University, 70 Washington Square South, NEW YORK 10012, NY, USA, United States of America ~72: HATTORI, Takamitsu;KOIDE, Akiko;KOIDE, Shohei;MASO, Lorenzo;NEEL, Benjamin G.~ 33:US ~31:63/366,819 ~32:22/06/2022;33:US ~31:63/369,702 ~32:28/07/2022;33:US ~31:63/402,606 ~32:31/08/2022;33:US ~31:63/377,466 ~32:28/09/2022;33:US ~31:63/485,788 ~32:17/02/2023

2024/09809 ~ Complete ~54:METHODS FOR TREATING PEDIATRIC EOSINOPHILIC ESOPHAGITIS BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: HAMILTON, Jennifer, D.;KAMAL, Mohamed;KOSLOSKI, Matthew, P.;MALONEY, Jennifer;RADIN, Allen;RUDDY, Marcella;SHABBIR, Arsalan, Q.~ 33:US ~31:63/359,577 ~32:08/07/2022

- APPLIED ON 2024/12/19 -

2024/09818 ~ Provisional ~54:VERSATILE PIONEERS HAND MAGIC ~71:Maropeng Sydney Sebata, 111 Boshoff Street, Flora Park, 0699, Polokwane, Limpopo, South Africa ~72: Maropeng Sydney Sebata~

2024/09820 ~ Provisional ~54:SECRETSCREENS: DYNAMIC WALLPAPER AND VIDEO MANAGEMENT SYSTEM ~71:Andre Oberholzer, 29 Eybers, South Africa ~72: Andre Oberholzer~

2024/09833 ~ Complete ~54:CURTAIN CONTROL DEVICE ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: YANG Xuemei~

2024/09841 ~ Complete ~54:A METHOD FOR EXTRACTING AND SEPARATING EFFECTIVE COMPONENTS OF POLYGONUM MULTIFLORUM AND A DEVICE THEREOF ~71:The Second Affiliated Hospital of Anhui University of Chinese Medicine, No.300, Shouchun Road, Luyang District, Hefei City, Anhui Province, 230000, People's Republic of China ~72: Xiaoqing Liu;Zhensheng Liang~

2024/09855 ~ Complete ~54:SCALP PROTECTOR ~71:L'Oréal S.A., 14, rue Royale, PARIS 75008, FRANCE, France ~72: RABUTHU, Obakeng~

2024/09866 ~ Complete ~54:METHOD FOR INCREASING THE CONCENTRATION OF ONE OR MORE BIO-ACTIVES IN GRAINS ~71:THE QUAKER OATS COMPANY, 433 W. Van Buren Street, Suite 350N, United States of America ~72: CHU, YiFang;DIOUM, El Hadji M.~ 33:US ~31:63/390,752 ~32:20/07/2022

2024/09860 ~ Complete ~54:A MINE BEARING ELEMENT ~71:ENGENEX PTY LTD, 4 King Street Sandy Bay, Australia ~72: HANCOCK, Eamonn Joseph~ 33:AU ~31:2022901620 ~32:14/06/2022

2024/09893 ~ Provisional ~54:HYBRID EQUIPMENT SOLUTION ~71:BONISWA MANUFACTURING, 407 ROAN CRESCENT CORPORATE PARK NORTH RANDJIESPARK, South Africa;JACQUES HENDRIK JAKOBUS KRUGER, 407 ROAN CRESCENT CORPORATE PARK NORTH RANDJIESPARK, South Africa ~72: CHRISTOPHER JOHNSON~

2024/09823 ~ Provisional ~54:CABLE GLAND AND CABLE GLAND DEVICE ~71:VOMBERG, Tyron, 312 Koeberg Road Milnerton, South Africa ~72: VOMBERG, Tyron~

2024/09821 ~ Provisional ~54:MAGNETIC AND PRESSURE SENSING JOYSTICK/THUMB STICK ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr;RADEMEYER, Daniel Barend~

2024/09832 ~ Complete ~54:MOLECULAR SIEVE COMPOSITE MATERIAL WITH DUAL FUNCTION OF ADSORPTION AND PHOTOCATALYTIC DEGRADATION AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: GUO Xiang;LI Tong;LIU Biao;LIU Kai;WANG Gongmao;WANG Xiaotong;WU Junfeng;WU Xuexue;XIE Nana;ZHOU Tong~

2024/09835 ~ Complete ~54:A POLYGONATUM KINGIANUM RAW PULP BISCUIT AND A PREPARATION METHOD THEREOF ~71:DIANPIN XIANGYANG FOOD PROCESSING AND OPERATIONS DEPARTMENT, PANLONG DISTRICT, KUNMING CITY, No.88, Xiaomaixilianwanshan, Heping Community, Panlong District, Kunming City, Yunnan Province, 650205, People's Republic of China;INSTITUTE OF MEDICINAL PLANT RESEARCH, YUNNAN ACADEMY OF AGRICULTURAL SCIENCES, NO.2238, Beijing Road, Panlong District, Kunming City, Yunnan Province, 650221, People's Republic of China ~72: CHEN Ruike;DONG Sihan;LI Rongfu;LI Linyu;NIE Kangzhuo;SHEN Hui;YANG Yan~

2024/09853 ~ Complete ~54:ELECTROENCEPHALOGRAM SIGNAL PREPROCESSING METHOD, SYSTEM AND TERMINAL DEVICE ~71:Kingfar International Inc., Room 202, Beifufang, Building 23, No.18 Anningzhuang East Road, Qinghe, Haidian District, BEIJING, CHINA (P.R.C.), People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202311778465.5 ~32:21/12/2023

2024/09851 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS OF FCRN INHIBITORS SUITABLE FOR SUBCUTANEOUS ADMINISTRATION ~71:argenx BV, Industriepark-Zwijnaarde 7, Zwijnaarde, GHENT 9052, BELGIUM, Belgium ~72: BORGIONS, Filip;LEMOULT, Stephanie;MEERSCHAERT, Kris~ 33:US ~31:62/858,806 ~32:07/06/2019

2024/09871 ~ Complete ~54:PLATED STEEL SHEET ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: MITSUNOBU , Takuya;TOKUDA , Kohei;URANAKA , Masaaki~ 33:JP ~31:2022-100352 ~32:22/06/2022

2024/09877 ~ Complete ~54:INTELLIGENT INVENTORY-TAKING METHOD AND APPARATUS FOR UNMANNED ARCHIVE WAREHOUSE, AND SMART TERMINAL AND STORAGE MEDIUM ~71:BEIJING RONG'ANTE INTELLIGENT TECHNOLOGY CO., LTD., Bldg 55, NO.17, Huanke Middle Rd, Jinqiao Sci And Tech Ind Base, Tongzhou Park, Zhongguancun Sci And Tech Park, Tongzhou District, Beijing, 101149, People's Republic of China ~72: JIAN ZHANG;KUN ZHANG;LAIBIN BAI;LONG HE;LONGFEI YANG;QIANWEI LI;QING LIU;SHUAISHUAI YU;XIAOJUN JIANG;YUNTAO JIANG;ZHIXIANG YANG~ 33:CN ~31:202211168713.X ~32:24/09/2022

2024/09878 ~ Complete ~54:LEADING MARK LAMP POWERED BY GREEN ENERGY ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: MINGFENG ZHU~ 33:CN ~31:2024112389315 ~32:05/09/2024

2024/09864 ~ Complete ~54:NANOMATERIALS COMPRISING TRIOLS ~71:BEAM THERAPEUTICS INC., 238 Main Street, United States of America ~72: HAMILTON, Gregory Lawrence;PATWARDHAN, Neeraj Narendra;SAGO, Cory Dane~ 33:US ~31:63/390,882 ~32:20/07/2022

2024/09886 ~ Complete ~54:PROTECTIVE STRUCTURE FOR DEEP FOUNDATION PIT OF COASTAL BRIDGE AND CONSTRUCTION METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: ZHENG WANG~ 33:CN ~31:2024105460344 ~32:06/05/2024

2024/09868 ~ Complete ~54:FABRIC AND HOME CARE PRODUCT ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: BACK, Olivier;VINSON, Phillip Kyle~ 33:US ~31:17/855,870 ~32:01/07/2022

2024/09876 ~ Complete ~54:UNMANNED ARCHIVE REPOSITORY SYSTEM ~71:BEIJING RONG'ANTE INTELLIGENT TECHNOLOGY CO., LTD., Bldg 55, NO.17, Huanke Middle Rd, Jinqiao Sci And Tech Ind Base, Tongzhou Park, Zhongguancun Sci And Tech Park, Tongzhou District, Beijing, 101149, People's Republic of China ~72: JIAN ZHANG;KUN ZHANG;LONG HE;QING LIU;YUNTAO JIANG~ 33:CN ~31:202210972567.X ~32:15/08/2022

2024/09883 ~ Complete ~54:METHOD FOR PRODUCING NONHUMAN PRIMATE ANIMAL MODEL OF CEREBRAL INFARCTION AND PHARMACEUTICAL COMPOSITION FOR TREATMENT OF CEREBRAL INFARCTION ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan ~72: MASASHI MAEDA;SOICHIRO NAKAHARA~ 33:JP ~31:2022-106308 ~32:30/06/2022;33:JP ~31:2022-211994 ~32:28/12/2022;33:JP ~31:2023-041345 ~32:15/03/2023

2024/09824 ~ Provisional ~54:VEHICLE ANTI-THEFT DEVICE AND METHOD ~71:HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD, c/o Gerhard Lourens Inc, Jolin House, Cnr of Marloth & van der Merwe Street, MBOMBELA 1200, SOUTH AFRICA, South Africa ~72: TALJAARD, Philippus Petrus Erasmus~

2024/09830 ~ Complete ~54:METHOD AND DEVICE FOR EFFICIENT REAL-TIME MACHINE TRANSLATION ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: HE Zhe~

2024/09834 ~ Complete ~54:SELF-CLEANING DEVICE OF BOREHOLE OBSERVATION INSTRUMENT WITH ADJUSTING FUNCTION ~71:China University of Mining & Technology, Beijing, No.11 Xueyuan Road, Haidian District, Beijing City, 100083, People's Republic of China;Jiangsu Hengyichuang Intelligent Technology Co., Ltd., (CNK) Room 216, Unit 2, South B-17, Big Data Industrial Park, Yannan High-tech New Area, Yancheng City, Jiangsu Province, 224000, People's Republic of China;Middling coal Mining Research Institute Co., Ltd, No.1 Linkong No.2 Road, Shunyi Park, Zhongguancun Science Park, Shunyi District, Beijing, 101300, People's Republic of China;North China Institute of Science and Technology, No.368, North Shimen Road, Wulituo Nangong Station, Shijingshan District, Beijing, 100022, People's Republic of China;University of Science and Technology Beijing, 30 Xueyuan Road, Haidian District, Beijing City, 100000, People's Republic of China;Zhengzhou Ningke Mine Engineering Co., Ltd., No.1363A, 13th Floor, Longyu International Building, Dongfeng South Road and Shangding Road, Zhengzhou Area(Zhengdong), Pilot Free Trade Zone, Henan, 450018, People's Republic of China ~72: CHEN Haoyi;CHEN Liang;CHENG Zhiheng;GUO Kai;GUO Rutao;HE Liusheng;HE Wanshun;JU Luchao;KANG Ning;LIU Jiaqi;LIU Ruiyang;WANG Hongbing;WANG Peng;WANG Yang;YU Hongyang;ZHANG Zherui~

2024/09843 ~ Complete ~54:PROCESSING AND PREPARATION METHOD FOR SILAGE OF AMOMUM TSAOKO STEMS AND LEAVES ~71:Institute of Tropical and Subtropical Economic Crops, Yunnan Academy of Agricultural Sciences, Institute of Tropical and Subtropical Economic Crops, Yunnan Academy of Agricultural Sciences, No. 518 Lancheng Road, Longyang District, Baoshan City, Yunnan Province, 678000, People's Republic of China ~72: BAI, Lina;CHE, Bin;DUAN, Chunfang;GENG, Sha;JIANG, Tailing;LIU, Qian;LOU, Yuqiang;LUO, Xin;SHEN, Shaobin;SHEN, Zhengsong;XIONG, Xiankun;YAN, Wei;ZHOU, Yingchun~ 33:CN ~31:202410261906.2 ~32:07/03/2024

2024/09848 ~ Complete ~54:ANTI-VLA-4 ANTIBODIES HAVING REDUCED EFFECTOR FUNCTION ~71:BIOGEN MA INC., 225, Binney Street, Cambridge, Massachusetts, 02142, United States of America ~72: ELLEN DUGGAN CAHIR-MCFARLAND;ELLEN GARBER STARK;JANINE LISA FERRANT-

ORGETTAS;JOSEPH WALTER ARNDT;KARL JOHN MORTLEY HANF;NADIA GISELLE D'LIMA;ROBERT BLAKE PEPINSKY;THOMAS OWEN CAMERON~ 33:US ~31:62/680,466 ~32:04/06/2018;33:US ~31:62/782,876 ~32:20/12/2018;33:US ~31:62/833,319 ~32:12/04/2019

2024/09852 ~ Complete ~54:CORONAVIRUS VACCINE FORMULATIONS ~71:Novavax, Inc., 21 Firstfield Road, GAITHERSBURG 20878 , MD, USA, United States of America ~72: MASSARE, Michael J.;SMITH, Gale;TIAN, Jing-Hui~ 33:US ~31:62/966,271 ~32:27/01/2020;33:US ~31:62/976,858 ~32:14/02/2020;33:US ~31:62/983,180 ~32:28/02/2020;33:US ~31:63/048,945 ~32:07/07/2020;33:US ~31:63/051,706 ~32:14/07/2020;33:US ~31:63/054,182 ~32:20/07/2020;33:US ~31:16/997,001 ~32:19/08/2020;33:US ~31:63/129,392 ~32:22/12/2020

2024/09862 ~ Complete ~54:WEAR INDICATOR ~71:JOY GLOBAL UNDERGROUND MINING LLC, 40 Pennwood Place, Suite 100, Warrendale, United States of America ~72: HOGAN, Paul~ 33:US ~31:63/352,124 ~32:14/06/2022;33:US ~31:63/425,595 ~32:15/11/2022

2024/09865 ~ Complete ~54:APPARATUS FOR FOLDING PACKAGING MATERIAL ~71:DE BEER, Stephanus, Petrus, Hamawasha 26, Tzaneen, South Africa ~72: DE BEER, Stephanus, Petrus~ 33:ZA ~31:2022/06770 ~32:20/06/2022

2024/09819 ~ Provisional ~54:INDUCTIVE AND CAPACITIVE CONDUCTED NOISE IMMUNITY ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: RADEMEYER, Daniel Barend;SAGMING, Marcel Nkamngang~

2024/09837 ~ Complete ~54:RESIDUE-FREE FOOD-GRADE LIVESTOCK PRODUCT DEPILATORY AND PREPARATION METHOD THEREOF ~71:Zhucheng Beibeile Food Co., Ltd., Middle Section of Shunping Road, Shuibo Community, Baichihe Town, Zhucheng City, Weifang City, Shandong Province, People's Republic of China ~72: Xuechao Liu;Xueni Xiang~

2024/09839 ~ Complete ~54:VISUALIZED INTELLIGENT VOICE PILLBOX ~71:Anhui University of Chinese Medicine, No. 350, Longzihu Road, Xinzhan District, Hefei City, Anhui Province, 230012, People's Republic of China;Beijing An Ding Hospital Affiliated to Capital Medical University Wuhu Hospital, Wuxiashan East Road, Yijiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Chi Wang;Li Wu;Sunjuan Dong;Weiting Liu;Yanling Zhou~

2024/09842 ~ Complete ~54:NET ODOR LATEX PAINT WITH ULTRA-LOW VOLATILE ORGANIC COMPOUNDS (VOC) AND SEMI-VOLATILE ORGANIC COMPOUNDS (SVOC) EMISSIONS AND A PREPARATION METHOD THEREOF ~71:Beixin Jiabaoli Coatings (Guangdong) Co., Ltd., No. 18, Fumian South Road, Duruan Town, Pengjiang District, Jiangmen City, Guangdong Province, 529075, People's Republic of China ~72: CAI, Zhengwei;HU, Hengzhi;PENG, Haoming;WANG, Aolei~ 33:CN ~31:2024113368814 ~32:24/09/2024

2024/09858 ~ Complete ~54:POLYSACCHARIDES RESULTING IN IMPROVED TEXTURE OF DAIRY PRODUCTS ~71:CHR. HANSEN A/S, Boege Alle 10-12, Denmark ~72: GASPAR, Paula;JENSEN, Kristian;NEVES, Rute;POULSEN, Vera Kuzina;ZEIDAN, Ahmad~ 33:EP ~31:22183809.7 ~32:08/07/2022

2024/09872 ~ Complete ~54:MANUAL DRIVE FOR A SWITCH MACHINE ~71:voestalpine Signaling Austria GmbH, Alpinestraße 1, ZELTWEG 8740, AUSTRIA, Austria ~72: ACHLEITNER, Herbert;MAIER, Christoph~ 33:EP ~31:22020298.0 ~32:27/06/2022

2024/09887 ~ Complete ~54:LAMP FIXING DEVICE ON STEEL STRUCTURE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HE LI~ 33:CN ~31:2023115003088 ~32:13/11/2023

2024/09822 ~ Provisional ~54:DATE-SWEETENED NUT BUTTERS (INCLUDING PEANUT BUTTER) WITH DATE PIECES INSIDE. ~71:Nosisa Ndabandaba, 48 Taronga Road, South Africa ~72: Nut & Date (Pty) Ltd~

2024/09836 ~ Complete ~54:SYSTEM FOR POWER GRID PEAK REGULATION ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DONG Yanfei;LIU Xiaofang;NIU Zhehui;PANG Kaige;PANG Binbin~

2024/09840 ~ Complete ~54:A RAPID-DRYING EQUIPMENT FOR RAPESEED STALKS AND A PRODUCTION PROCESS FOR RAPESEED STALKS PRODUCTS ~71:Xizang Academy of Agriculture and Animal Husbandry Sciences, No.150, West Jinzhu Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850000, People's Republic of China ~72: Chao Mi;Jinxiong Wang~

2024/09873 ~ Complete ~54:ROBOTIC ARM WITH A SLIDING ACTUATOR AND AN END EFFECTOR ACTUATOR ~71:Genrobotic Innovations Private Limited, L/50, Building No: 980, Kanjiramchira P.O, India ~72: GOVIND MK, Vimal;K, Sujodh;NP, Nikhil;P, Jaleesh~ 33:IN ~31:202241032603 ~32:07/06/2022

2024/09880 ~ Complete ~54:GARBAGE INCINERATOR ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIAYAN YANG~ 33:CN ~31:2023117891110 ~32:25/12/2023

2024/09889 ~ Complete ~54:AUTOMATIC DEMOLDING AND CONVEYING APPLIANCE FOR SLEEPER PRODUCTION LINE AND METHOD ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: WEI DIAO~ 33:CN ~31:2024105460128 ~32:06/05/2024

2024/09826 ~ Provisional ~54:ELECTRICAL SOCKET ~71:CHICK, Graham Leslie, 11 Narwhal Crescent, Whale Rock Heights, PLETTENBERG BAY 6600, Western Cape, SOUTH AFRICA, South Africa ~72: CHICK, Graham Leslie~

2024/09828 ~ Provisional ~54:DETONATION OF EXPLOSIVES ~71:AECI MINING LIMITED, AECI Place, 23/24 The Woodlands, Woodlands Drive, Woodmead,, SANDTON 2191, SOUTH AFRICA, South Africa ~72: BOROS, Arvenesh;YAKAN A Nwai, Christian~

2024/09854 ~ Complete ~54:KERATIN FIBER RELAXING PROCESS AND RELAXER KIT ~71:L'Oréal S.A., 14, rue Royale, PARIS 75008, FRANCE, France ~72: LYONS , Moniq~

2024/09856 ~ Complete ~54:DRAINAGE DEVICE FOR CRITICAL CARE MEDICINE ~71:The Second Affiliated Hospital of Guangzhou Medical University, 250 Changgang East Road, Haizhu District,, Guangzhou City, Guangdong Province,, People's Republic of China ~72: Deliang Wen;Weiyan Chen;Zhibo Li;Zixin Jiang~ 33:CN ~31:202411475336.3 ~32:21/10/2024

2024/09859 ~ Complete ~54:GREEN STEAM INDUSTRIAL STEAM GENERATOR PROCESS AND SYSTEM ~71:THE BABCOCK & WILCOX COMPANY, 1200 E. Market Street, Suite 650, United States of America ~72: FULLER, Timothy, A.~ 33:US ~31:63/358,076 ~32:01/07/2022;33:US ~31:18/214,663 ~32:27/06/2023

2024/09867 ~ Complete ~54:TUNGSTEN CARBIDE AND TITANIUM CARBIDE REINFORCED MANGANESE STEEL ~71:Sandvik SRP AB, Stationsplan 1, SVEDALA 23381, SWEDEN, Sweden ~72: MELK, Latifa~ 33:EP ~31:22182569.8 ~32:01/07/2022

2024/09827 ~ Provisional ~54:GRAVIGEM REVERSE REGENERATION SYSTEM V2 ~71:Peter Phillip Jordaan, 28 Marseille Crescent, South Africa ~72: Peter Phillip Jordaan~ 33:ZA ~31:2023/10300 ~32:06/11/2023

2024/09869 ~ Complete ~54:SWITCH MACHINE ~71:voestalpine Signaling Austria GmbH, Alpinestraße 1, ZELTWEG 8740, AUSTRIA, Austria ~72: ACHLEITNER, Herbert;MAIER, Christoph~ 33:EP ~31:22020299.8 ~32:27/06/2022

2024/09884 ~ Complete ~54:DRAINAGE STRUCTURE FOR COASTAL DEEPLY-EXCAVATED ROADBED CONSTRUCTION AND CONSTRUCTION METHOD THEREOF ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: WENCHAO ZHANG~ 33:CN ~31:CN 2024106428308 ~32:23/05/2024

2024/09891 ~ Provisional ~54:ONE NIGHT MUSIC STANDS ~71:KHOLOFELO MARUPUTLA JUNIOR MASHATOLE, THE LITTLE MANHATTAN, FLAT NO:375, South Africa ~72: KHOLOFELO MARUPUTLA JUNIOR MASHATOLE~

2024/09825 ~ Provisional ~54:VEHICLE ANTI-THEFT DEVICE AND METHOD ~71:HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD, c/o Gerhard Lourens Inc, Jolin House, Cnr of Marloth & van der Merwe Street, MBOMBELA 1200, SOUTH AFRICA, South Africa ~72: TALJAARD, Philippus Petrus Erasmus~

2024/09831 ~ Complete ~54:SINGLE-HOLE MONITORING DEVICE AND MONITORING SYSTEM FOR COAL MINE DRAINAGE BOREHOLE ~71:CCTEG SHENYANG RESEARCH INSTITUTE, No.11, Binhe Road, Shenfu Demonstration Zone, Fushun, People's Republic of China;Liaoning Technical University, No. 47, Zhonghua Road, Xihe District, Fuxin, People's Republic of China ~72: Bei WANG;Binbin WANG;Cheng XU;Dongchao ZHANG;Haisheng QIU;Hongli LI;Hongrui ZHAO;Xiaowei ZHENG;Yanan PAN;Yaolin CAO;Yongxing NIE;Zhongyu ZHENG~ 33:CN ~31:202311767178.4 ~32:21/12/2023

2024/09838 ~ Complete ~54:LOGISTICS PACKAGE SORTING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:Chen Xu, No. 8, Group 2, Hujiaocao Village, Chadianzi Town, Badong County, Hubei Province, People's Republic of China ~72: Chen Xu~

2024/09847 ~ Complete ~54:GASTRO-RESISTANT CONTROLLED RELEASE ORAL DOSAGE FORMS ~71:MINERVA NEUROSCIENCES, INC., 1601 Trapelo Road, Suite 284, Waltham, Massachusetts, 02451, United States of America ~72: EMMANUELLE GEORGI;JAY SAOUD;NADINE NOEL;REMY LUTHRINGER;SANDRA WERNER~ 33:US ~31:62/523,204 ~32:21/06/2017

2024/09849 ~ Complete ~54:METHOD OF AND SYSTEM FOR ENGAGING WITH A PERSON AND GUIDING THE PERSON ALONG A PERSONALISED HEALTH PATHWAY ~71:DISCOVERY LIMITED, 1 Discovery Place, corner of Rivonia Road and Katherine Street, Sandton, 2196, South Africa ~72: ADRIAN GORE;EMILE JOHANN STIPP;KIM BACKOS;RONALD WHELAN;YASHTIL MOODLEY~ 33:ZA ~31:2023/08884 ~32:20/09/2023

2024/09857 ~ Complete ~54:NEW PEPTIDES AS SELECTIVE IL-23 RECEPTOR ANTAGONISTS ~71:SANOFI, 46 Avenue de la Grande, France ~72: BESENIUS, Melissa;BOEHME, Thomas;HAACK, Torsten;KURZ, Michael;PETRY, Stefan;PÖVERLEIN, Christoph;TIWARI, Garima;WAGNER, Michael~ 33:EP ~31:22315131.7 ~32:30/06/2022

2024/09890 ~ Complete ~54:WHARF LIGHTING DEVICE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: JIA LI~ 33:CN ~31:202410712053X ~32:04/06/2024

2024/09863 ~ Complete ~54:VEHICLE MOUNTED SHELTER ~71:ON TOP TOURERS PTY LTD, 9 Seacrest Street, Australia ~72: WATTS, Daniel Royce;WATTS, Stanzee Keira~ 33:AU ~31:2022902042 ~32:21/07/2022

2024/09874 ~ Complete ~54:ANNEALING MODULE OF A DEVICE FOR PRODUCING STRETCHED THERMOPLASTIC TAPES ~71:STARLINGER & CO GESELLSCHAFT M.B.H., Sonnenuhrgasse 4, Austria ~72: SCHNEIDER, Franz;WEISS, René~ 33:EP ~31:22184126.5 ~32:11/07/2022

2024/09882 ~ Complete ~54:COMPOUNDS FOR TREATING SPINOCEREBELLAR ATAXIA TYPE 3 ~71:PTC THERAPEUTICS, INC., 500 Warren Corporate Center Drive, Warren, New Jersey, 07059, United States of America ~72: ANURADHA BHATTACHARYYA;ARUN RAJ KIZHAKKAYIL MANGADAN;CHRISTIE MORRILL;GAURAV DAHIYA;GAYAN MIRIHANA ARACHCHILAGE;GUANGMING CHEN;JACKIE CHIU;JAMES R ANNAND;JANA NARASIMHAN;MATTHEW G WOLL;MICHAEL A ARNOLD;NANJING ZHANG;STEPHEN E MOTIKA;XIAOYAN ZHANG;YAO JIANG~ 33:US ~31:63/354,339 ~32:22/06/2022

2024/09870 ~ Complete ~54:DISPLACERS OF IGE-FCERI ~71:ALK-Abelló A/S, Bøge Allé 6-8,, HØRSHOLM 2970, DENMARK, Denmark;Aarhus Universitet, Nordre Ringgade 1, ÅRHUS C 8000, DENMARK, Denmark ~72: BALLEGAARD, Anne-Sofie Ravn;CHRISTENSEN, Lars Harder;COLINE, Sivelle;JABS, Frederic;JOHANSEN, Teit;KEMTER, Andrea Maria;LUND, Gitte;Peter Sejer ANDERSEN;SPILLNER, Edzard~ 33:EP ~31:22182630.8 ~32:01/07/2022;33:EP ~31:22200911.0 ~32:11/10/2022;33:EP ~31:22201172.8 ~32:12/10/2022;33:EP ~31:23153730.9 ~32:27/01/2023;33:EP ~31:23153731.7 ~32:27/01/2023

2024/09875 ~ Complete ~54:IMPROVING SPLIT-READ ALIGNMENT BY INTELLIGENTLY IDENTIFYING AND SCORING CANDIDATE SPLIT GROUPS ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: RUEHLE, Michael~ 33:US ~31:63/367,002 ~32:24/06/2022

2024/09881 ~ Complete ~54:METHOD, DEVICE, AND SYSTEM FOR SCG SECURITY IN WIRELESS NETWORKS ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: PEILIN LIU;SHILIN YOU;YUZE LIU;ZHEN XING~

2024/09885 ~ Complete ~54:ANTI-TILT AUXILIARY DEVICE FOR BRIDGE ERECTING MACHINE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: ZHILIN ZHANG~ 33:CN ~31:2024105274745 ~32:29/04/2024

2024/09850 ~ Complete ~54:FLUID MIXING SET ~71:Bayer HealthCare LLC, 100 Bayer Boulevard, P.O. Box 915, WHIPPANY 07981, NJ, USA, United States of America ~72: COWAN, Kevin;DEDIG, James;HAURY, John;SPOHN, Michael~ 33:US ~31:62/982,995 ~32:28/02/2020

2024/09861 ~ Complete ~54:APPARATUS FOR IDENTIFYING A CABLE ON A MINE SITE ~71:AQUIRIAN TECHNOLOGY PTY LTD, Level 5, 190 St Georges Terrace, Perth, Australia ~72: PATCHING, Gregory;WRIGHT, Jonathan~ 33:AU ~31:2022901809 ~32:29/06/2022

2024/09879 ~ Complete ~54:LIFTING DEVICE OF BRIDGE ERECTING MACHINE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: HAO WANG~ 33:CN ~31:2024112240457 ~32:03/09/2024

2024/09888 ~ Complete ~54:DISTRIBUTION BOX WITH PROTECTION STRUCTURE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: PENG CHANG~ 33:CN ~31:2024105398841 ~32:30/04/2024

- APPLIED ON 2024/12/20 -

2024/09908 ~ Complete ~54:SWIMMING POOL CLEANER ~71:INTEGRATED POOL PRODUCTS (PTY) LTD, 70 Driefontein Road, South Africa ~72: JUBBER, Wesley~ 33:ZA ~31:2023/09266 ~32:04/10/2023

2024/09911 ~ Complete ~54:APPLICATION OF COMPOUND MICROBIAL AGENT IN PREPARING PIG FEED ADDITIVES ~71:INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: CHEN, Heshu;FENG, Yanzhong;HE, Haijuan;LI, Zhongqiu;LIU, Ziguang;QI, Meiyu;TIAN, Ming;WANG, Wentao;WU, Saihui;ZHANG, Haifeng~

2024/09912 ~ Complete ~54:GRINDER ARRANGEMENT ~71:A.P.S. PLASTICS (PTY) LTD., CNR of Silverstone & Kyalami Drive, South Africa ~72: Herzel SABAN~

2024/09914 ~ Complete ~54:A SYSTEM FOR GENERATING ELECTRICAL ENERGY ~71:SHADRO GREEN ENERGY SOLUTIONS (PTY) LTD, 688 Plantation Road, Blue Hills, South Africa ~72: CHAUKE, Rodgers~

2024/09918 ~ Complete ~54:PRESERVING FUNCTIONALLY-COATED API PARTICLES PRODUCED BY SOLVENTLESS MIXING PROCESSES IN AQUEOUS SUSPENSION ~71:Catalent U.K. Swindon Zydis Limited, 1 George Square, GLASGOW G2 1AL, UNITED KINGDOM, United Kingdom ~72: MCLAUGHLIN, Rosaleen;PARKER, Adam;WHITEHOUSE, Jonathon~ 33:US ~31:62/809,287 ~32:22/02/2019

2024/09920 ~ Complete ~54:PHOTOVOLTAIC MODULE DEFLECTION LIMITER ~71:Array Tech, Inc., 3901 Midway Place NE, ALBUQUERQUE 87109, NM, USA, United States of America ~72: DE FRESART, Benjamin C.;SCHUKNECHT, Nathan;SHARP, Jon~ 33:US ~31:63/130,177 ~32:23/12/2020;33:US ~31:17/561,093 ~32:23/12/2021

2024/09922 ~ Complete ~54:APPLICATION OF TASMD3 GENE IN IMPROVING DROUGHT RESISTANCE OF WHEAT ~71:Shandong Agricultural University, No.61, Daizong Street, Taishan District, Tai' an City, Shandong Province, 271018, People's Republic of China ~72: Lecheng ZHENG;Tian SANG;Wei CAI;Xiaomin BIE;Xinqi GAO~

2024/09929 ~ Complete ~54:METHODS FOR IDENTIFYING AND TREATING DISEASES ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: KAYATEKIN, Can;MATTHEWS, Jennifer Clarke;SARDI, Sergio Pablo~ 33:US ~31:63/345,242 ~32:24/05/2022;33:EP ~31:22194822.7 ~32:09/09/2022

2024/09932 ~ Complete ~54:PARABEN-FREE FEXOFENADINE FORMULATIONS ~71:OPELLA HEALTHCARE GROUP SAS, 157 Avenue Charles de Gaulle, France ~72: BARATIERI, Sabrina;CAMPOS, Cleber;CAVALARI, Daniela Maldonado~ 33:US ~31:63/440,356 ~32:20/01/2023

2024/09934 ~ Complete ~54:AUTOINJECTOR ~71:ALK-ABELLÓ A/S, Boege Allé 6-8, Denmark ~72: CONTERAS MOREIRA, Juan;MIKKELSEN, Jens~ 33:EP ~31:22184367.5 ~32:12/07/2022

2024/09944 ~ Complete ~54:COKE OVEN LINING SHAPE MEASURING METHOD AND COKE OVEN WALL REPAIRING METHOD ~71:JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan ~72: SEITARO AKIYAMA;YASUMASA FUKUSHIMA~

2024/09899 ~ Provisional ~54:AN ANTI-JAMMING METHOD AND DEVICE ~71:HARDCORE AUTOMOTIVE LOCKING TECHNOLOGIES (PTY) LTD, c/o Gerhard Lourens Inc, Jolin House, Cnr of Marloth & van der Merwe Street, MBOMBELA 1200, SOUTH AFRICA, South Africa ~72: TALJAARD, Philippus Petrus Erasmus~

2024/09905 ~ Complete ~54:EARLY WARNING AND INTERVENTION SYSTEM FOR VASCULAR DISEASE ~71:Dongguan Songshanhu Central Hospital, No. 1, Xianglong Road, Huangzhou District, Shilong Town, Dongguan, Guangdong, People's Republic of China ~72: Caimei Yao;Huanting Liu;Liqiu Yan;Shicheng Li;Sini Wang;Youcheng Wang;Yumeng Lei~

2024/09953 ~ Complete ~54:CONDUCTIVE LINE, TRANSFER DEVICE, AND SPACE SOLAR BEAM ENERGY TRANSPORTATION METHOD ~71:NISHIZAWA Katsuya, 515-2, Yoshida, Ueda-shi, Japan ~72: NISHIZAWA Katsuya~ 33:JP ~31:2022-086263 (JP) ~32:26/05/2022;33:JP ~31:2022-123161 (JP) ~32:02/08/2022;33:JP ~31:2022-181631 (JP) ~32:14/11/2022;33:JP ~31:2023-007722 (JP) ~32:22/01/2023;33:JP ~31:2023-063114 (JP) ~32:09/04/2023;33:JP ~31:PCT/JP2023/016185 (JP) ~32:24/04/2023

2024/09895 ~ Provisional ~54:EMERGENCY MEDICAL INFORMATION AND/OR NOTIFICATION DEVICE AND SYSTEM ~71:DAVIDS, O'Brian Anthony, 40 Albatross Street, Hochland Park, Namibia ~72: DAVIDS, O'Brian Anthony~

2024/09919 ~ Complete ~54:MINIMIZING AERATION OF SUSPENSIONS DURING IN-LINE MIXING ~71:Catalent U.K. Swindon Zydis Limited, 1 George Square, GLASGOW G2 1AL, UNITED KINGDOM, United Kingdom ~72: HOWES, Simon Andrew Martyn;MCLAUGHLIN, Rosaleen;WHITEHOUSE, Jonathon~ 33:US ~31:62/809,293 ~32:22/02/2019

2024/09943 ~ Complete ~54:CONVEYANCE INTERIOR DEVICE AND CONVEYANCE ~71:TS TECH CO., LTD., 7-27, Sakaecho 3-chome, Asaka-shi, Saitama 3510012, Japan ~72: YUTA OSHINO~ 33:US ~31:63/345,543 ~32:25/05/2022;33:JP ~31:2023-084150 ~32:22/05/2023

2024/09903 ~ Complete ~54:METAL-ORGANIC FRAMEWORK MOF-ZN FLUORESCENT SENSOR MATERIAL AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Wenzhuo;HAN Ershuai;LI Jindian;LIU Yi;LU Bingxue;WANG Zehao;WANG Zongtao;YUAN Chuanbo;ZHAO Qian;ZHAO Zhenxin~

2024/09904 ~ Complete ~54:POWER PLANT OF NEW ENERGY VEHICLE WITH HIGH-EFFICIENCY SHOCK ABSORPTION ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: CHEN Yuyi~

2024/09906 ~ Complete ~54:MULTI-PARAMETER EVALUATION SYSTEM FOR VASCULAR HEALTH STATUS ~71:Dongguan Songshanhu Central Hospital, No. 1, Xianglong Road, Huangzhou District, Shilong Town, Dongguan, Guangdong, People's Republic of China ~72: Fengzhou Fu;Jingfu Chen;Liqiu Yan;Longwei Liang;Wenjie Liu;Ying Mao~

2024/09928 ~ Complete ~54:NATURAL KILLER (NK) CELL ENGAGERS BINDING TO NKP46 AND BCMA VARIANTS WITH FC-ENGINEERING ~71:INNATE PHARMA, 117 avenue de Luminy, France;SANOFI, 46 Avenue de la Grande, France ~72: BENINGA, Jochen;CHIRON, Marielle;FOCKEN, Ingo;GAUTHIER, Laurent;GOURDIN, Nicolas;LANGE, Christian;MASIERO, Alessandro;RAO, Sambasiva;SEVIGNY, Leila;TANG, Alexandre;TILLMANN, Bodo;VIRONE-ODDOS, Angela;ZHOU, Yanfeng~ 33:EP ~31:22305783.7 ~32:27/05/2022;33:EP ~31:22306564.0 ~32:14/10/2022;33:US ~31:63/416,081 ~32:14/10/2022;33:US ~31:63/425,639 ~32:15/11/2022;33:US ~31:63/487,470 ~32:28/02/2023;33:US ~31:63/454,158 ~32:23/03/2023

2024/09935 ~ Complete ~54:MACHINE LEARNING MODEL FOR RECALIBRATING GENOTYPE CALLS FROM EXISTING SEQUENCING DATA FILES ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: DE BEER, Jacobus;HUANG, Zhuoyi;MEHIO, Rami;PARNABY, Gavin Derek;VISVANATH, Arun~ 33:US ~31:63/499,845 ~32:03/05/2023

2024/09941 ~ Complete ~54:PROCESS FOR THE PREPARATION OF BIGUANIDINE SALTS AND TRIAZINES ~71:Adama Agan Ltd., P.O. Box 262, Northern Industrial Zone, ASHDOD 7710001, ISRAEL, Israel ~72: AGRANOVICH, Ira;FALLEK, Reut;KISIN-FINFER, Einat~ 33:EP ~31:22182294.3 ~32:30/06/2022

2024/09945 ~ Complete ~54:NOVEL POLYPEPTIDES ~71:ONCOPEPTIDES INNOVATION 1 AB, Luntmakargatan 46, 111 37, Stockholm, Sweden ~72: FREDRIK LEHMANN;JOHAN NILVEBRANT;KIM ANH GIANG;PER-ÅKE NYGREN;STEFAN SVENSSON GELIUS~ 33:GB ~31:2208027.9 ~32:31/05/2022;33:GB ~31:2214718.5 ~32:06/10/2022

2024/09949 ~ Complete ~54:ANTI-TIGIT ANTIBODY FORMULATION ~71:COMPUGEN LTD., 26 Harokmim Street, Holon, 5885849, Israel ~72: ADEBOYE HENRY ADEWOYE;RAFI MOHAMMAD;WEI WANG~ 33:US ~31:63/346,167 ~32:26/05/2022

2024/09901 ~ Complete ~54:STAMINA IMPROVING DEVICE FOR SPORTS TRAINING ~71:Shandong University of Finance and Economics, No. 7366, Second Ring East Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Fuling Han~

2024/09926 ~ Complete ~54:A COVER FOR A VALVE ~71:CASILLO, Andrea, Vincenzo, 49 SELMA AVENUE, NEWLANDS, PRETORIA, 0049, SOUTH AFRICA, South Africa ~72: CASILLO, Andrea, Vincenzo~ 33:ZA ~31:2022/07397 ~32:05/07/2022

2024/09902 ~ Complete ~54:LEG STRETCHING DEVICE FOR SPORTS TRAINING ~71:Shandong University of Finance and Economics, No. 7366, Second Ring East Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Fuling Han~

2024/09930 ~ Complete ~54:ANTI-BCMA ANTIBODIES ~71:SANOFI, 46 Avenue de la Grande, France ~72: BENINGA, Jochen;MASIERO, Alessandro;RAO, Sambasiva;SEVIGNY, Leila;ZHOU, Yanfeng~ 33:EP ~31:22305784.5 ~32:27/05/2022

2024/09946 ~ Complete ~54:METHANOL PRODUCTION FROM BIOMASS AND GREEN HYDROGEN ~71:FEV GROUP GMBH, Neuenhofstr. 181, 52078, Aachen, Germany ~72: THORSTEN SCHNORBUS~ 33:DE ~31:10 2022 115 977.9 ~32:27/06/2022

2024/09951 ~ Complete ~54:LYSO-ORNITHINE LIPID BIOSURFACTANT OVERPRODUCTION SYSTEM ~71:UNIVERSITY OF THE WESTERN CAPE, Robert Sobukwe Road, Bellville, Cape Town, 7535, South Africa ~72: LEONARDO JOAQUIM VAN ZYL;MARLA TRINDADE;PHILLIP VENTER~ 33:GB ~31:2211135.5 ~32:29/07/2022

2024/09909 ~ Complete ~54:A DUNG-CLEARING ROBOT WITH ADAPTIVR DUNG CHANNEL QIDENING FUNCTION FOR LIVESTOCK ANG POULYRY HOUSE ~71:Zhejiang Academy of Agricultural Sciences, 298 Desheng Middle Road, Hangzhou City, Zhejiang Province, 310009, People's Republic of China ~72: BAO, Quan;CAI, Jing;CHENG, Jufen;GUO, Ao;JI, Honghu;LI, Kui;LI, Shourun;LIU, Kaige;LU, Fuzeng;ZHOU, Weidong;ZHOU, Xin~

2024/09937 ~ Complete ~54:A COAL MINE UNDERGROUND GAS CONTROL DETECTION DEVICE ~71:Shaanxi Energy Institute, No. 29, Middle Section of Wenlin Road, Weicheng District, Xianyang City, Shaanxi Province, 712000, People's Republic of China ~72: Bofei Yang;Haiying Ding;Huiqiong Wang;Jie Zhou;Miao Hao;Xiaohong Tian;Xinwei He;Yujie Li;Zhouyan Zhao~ 33:CN ~31:202410627245.0 ~32:21/05/2024

2024/09939 ~ Complete ~54:COMPOSITIONS AND METHODS FOR EPIGENETIC EDITING ~71:Chroma Medicine, Inc., 201 Brookline Avenue, Suite 1101, BOSTON 02215, MA, USA, United States of America ~72: FRIEDLAND, Ari;MORRISON, Mary Shirley;MYER, Vic~ 33:US ~31:63/354,931 ~32:23/06/2022

2024/09950 ~ Complete ~54:GLUCAN BINDING PROTEIN FOR IMPROVING NITROGEN FIXATION IN PLANTS ~71:CAMBRIDGE ENTERPRISE LIMITED, The Old Schools Trinity Lane, Cambridge, CB2 1TN, United Kingdom ~72: ALEKSANDR GAVRIN;SEBASTIAN SCHORNACK~ 33:GB ~31:2207774.7 ~32:26/05/2022

2024/09896 ~ Provisional ~54:STORAGE TANKS ~71:VAN DER MERWE, Jacobus Quintus, Portion 60, Farm De Rust, South Africa ~72: VAN DER MERWE, Jacobus Quintus~

2024/09907 ~ Complete ~54:INTELLIGENT REGULATING AND CONTROL METHOD FOR DISSOLVED OXYGEN OF AEROBIC TANK ~71:Huadian Water Technology Co., Ltd., 601-1, Unit 1, Building 1, No. 6 East Automobile Museum Road, Fengtai District, Beijing, 100070, People's Republic of China ~72: CHEN, Beiyang;LIU, Feng;MENG, Lu;SUN, Zhenyu;TANG, Jinlong;WANG, Zhengping;XUN, Hongmin;YE, Shurong~

2024/09910 ~ Complete ~54:STIRRING PADDLE AND STIRRING DEVICE FOR MAKING LITHIUM ION BATTERY ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: NIU Zhehui;PANG Binbin;PANG Kaige;WANG Shuai~

2024/09898 ~ Provisional ~54:CDMS CONFIGURATION SYSTEM AND METHOD ~71:BIOINFORMATICO INC, 16192 Coastal Highway, United States of America ~72: COLLIE, Shirley Malka~

2024/09897 ~ Provisional ~54:A FLOTATION DEVICE ~71:VAN RENSBURG, Ferdinand, Adriaan, 49 OUKRAAL AVE, JUKSKEI PARK, ELARDUSPARK, PRETORIA, SOUTH AFRICA, South Africa ~72: VAN RENSBURG, Ferdinand, Adriaan~

2024/09938 ~ Complete ~54:APROCITENTAN FOR THE TREATMENT OF HYPERTENSION ~71:Idorsia Pharmaceuticals Ltd, Hegenheimermattweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: DANAIE TASH, Parisa~ 33:US ~31:63/344,618 ~32:22/05/2022

2024/09913 ~ Complete ~54:ASSEMBLY FOR POSITIONING AND KEEPING IN POSITION A PROJECTILE IN A STRETCHER AND LOADING-AID DEVICE COMPRISING SUCH AN ASSEMBLY ~71:KNDS FRANCE, 13 Route de la Minière, France ~72: Ludovic DUPONT;Maxime COLLARD~ 33:FR ~31:FR2315191 ~32:02/01/2024

2024/09900 ~ Complete ~54:MINE GLASSES WITH SELF-CLEANING FUNCTION ~71:China University of Mining & Technology, Beijing, No.11 Xueyuan Road, Haidian District, Beijing City, 100083, People's Republic of China;Jiangsu Hengyichuang Intelligent Technology Co., Ltd., (CNK) Room 216, Unit 2, South B-17, Big Data Industrial Park, Yannan High-tech New Area, Yancheng City, Jiangsu Province, 224000, People's Republic of China;Middling coal Mining Research Institute Co., Ltd, No.1 Linkong No.2 Road, Shunyi Park, Zhongguancun Science Park, Shunyi District, Beijing, 101300, People's Republic of China;North China Institute of Science and Technology, No.368, North Shimen Road, Wulituo Nangong Station, Shijingshan District, Beijing, 100022, People's Republic of China;Shanxi Huajin Mingzhu Coal Industry Co., Ltd, Wangjiahe Village, Tunli Town, Jixian County, Linfen City, Shanxi Province, 042200, People's Republic of China;University of Science and Technology Beijing, 30 Xueyuan Road, Haidian District, Beijing City, 100000, People's Republic of China;Zhengzhou Ningke Mine Engineering Co., Ltd., No.1363A, 13th Floor, Longyu International Building, Dongfeng South Road and Shangding Road, Zhengzhou Area (Zhengdong), Henan, 450018, People's Republic of China ~72: CHEN Haoyi;CHENG Zhiheng;GUO Kai;HE Liusheng;HE Wanshun;JU Luchao;KANG Ning;LAN Yunpeng;LI Chunyuan;LI Wengang;LIU Jiaqi;NIU Zhenjiang;WANG Jinlong;WANG Yang;ZHANG Zejun;ZHOU Lijie~

2024/09915 ~ Complete ~54:LISDEXAMFETAMINE DIMESYLATE ORODISPERSIBLE TABLET AND PROCESS FOR PREPARATION THEREOF ~71:ATHENA PHARMACEUTIQUES SAS, Espace Arnold De Ville 12, Rue Georges Blandon, France ~72: CHANDWANI, Omprakash Doulatram;CHAUDHARI, Amol Yuvraj;CHAUDHARI,

Mahendra Baliram;NEHETE, Nitin Pandharinath;SHAHANE, Anita Kunal~ 33:IN ~31:202411025463
~32:28/03/2024

2024/09917 ~ Complete ~54:MINIMIZING AGGLOMERATION, AERATION, AND PRESERVING THE COATING OF PHARMACEUTICAL COMPOSITIONS COMPRISING IBUPROFEN ~71:Catalent U.K. Swindon Zydys Limited, 1 George Square, GLASGOW G2 1AL, UNITED KINGDOM, United Kingdom ~72: HOWES, Simon Andrew Martyn;MCLAUGHLIN, Rosaleen;PARKER, Adam;WHEADON, Craig;WHITEHOUSE, Jonathon~ 33:US ~31:62/809,287 ~32:22/02/2019;33:US ~31:62/809,293 ~32:22/02/2019;33:US ~31:62/809,307 ~32:22/02/2019

2024/09921 ~ Complete ~54:MILK POWDER SHELF LIFE PREDICTION METHOD BASED ON NEURAL NETWORK ~71:TECHNOLOGY CENTRE OF DALIAN CUSTOMS, Changjiangdong Road 60, Zhongshan District, Dalian City, People's Republic of China ~72: JIANG, Haihang;JIN, Sheng;LIN, Xiaomei;LIU, Shuilin;WANG, Qi;WU, Jian;XUE, Weifeng~

2024/09923 ~ Complete ~54:OXY-FUEL WELDING AND CUTTING SYSTEM AND METHOD OF OPERATING THE SYSTEM ~71:MESSER CUTTING SYSTEMS GMBH, OTTO-HAHN-STRASSE 2-4, Germany;ROHLSSEN, CHRISTIAN KARL PETER, 5 STIRLING ROAD, South Africa ~72: ROHLSSEN, Karl Peter;VOGELSANG, Axel~ 33:ZA ~31:2022/07073 ~32:27/06/2022;33:EP ~31:22201904.4 ~32:17/10/2022;33:IB ~31:PCT/IB2023/056580 ~32:26/06/2023

2024/09925 ~ Complete ~54:TORCH FOR AN OXY-FUEL WELDING AND CUTTING SYSTEM AND METHOD OF OPERATING THE TORCH ~71:MESSER CUTTING SYSTEMS GMBH, OTTO-HAHN-STRASSE 2-4, Germany ~72: VOGELSANG, Axel~ 33:ZA ~31:2022/07074 ~32:27/06/2022;33:EP ~31:2220913.5 ~32:17/10/2022;33:IB ~31:PCT/EP2023/067261 ~32:26/06/2023

2024/09940 ~ Complete ~54:SYSTEMS AND METHODS OF ALIGNMENT CONTROL FOR NEUROMODULATION DELIVERY SYSTEM ~71:GE Precision Healthcare LLC, 9900 W. Innovation Drive, WAUWATOSA 53226, DE, USA, United States of America ~72: ASHE, Jeffrey Michael;GRIFFIN, Weston Blaine;MADHAVAN, Radhika;SHOUDY, David Andrew~ 33:US ~31:17/809,311 ~32:28/06/2022

2024/10027 ~ Provisional ~54:DRIVE-THRU CAR SERVICE CENER ~71:KEFENTSE MOLEMA, 13800 SUNRISE VIEW, South Africa ~72: KEFENTSE MOLEMA~ 33:ZA ~31:AEGJMT ~32:19/12/2024

2024/09894 ~ Provisional ~54:VAPORIZABLE LIQUID ~71:ROUSSOUW, Melandri, 1372 Leloko Lifestyle Estate, Kosmos, South Africa ~72: ROUSSOUW, Melandri~

2024/09916 ~ Complete ~54:MINIMIZING AGGLOMERATION, AERATION, AND PRESERVING THE COATING OF PHARMACEUTICAL COMPOSITIONS COMPRISING IBUPROFEN ~71:Catalent U.K. Swindon Zydys Limited, 1 George Square, GLASGOW G2 1AL, UNITED KINGDOM, United Kingdom ~72: HOWES, Simon Andrew Martyn;MCLAUGHLIN, Rosaleen;PARKER, Adam;WHEADON, Craig;WHITEHOUSE, Jonathon~ 33:US ~31:62/809,287 ~32:22/02/2019;33:US ~31:62/809,293 ~32:22/02/2019;33:US ~31:62/809,307 ~32:22/02/2019

2024/09936 ~ Complete ~54:OPTICAL ARRANGEMENT FOR COMPENSATION OF THERMALLY-INDUCED ASTIGMATISM OF LENS ~71:ILLUMINA, INC., 5200 ILLUMINA WAY, SAN DIEGO, CA 92122, USA, United States of America ~72: NEWMAN, Peter;PINTO, Joseph;WATSON, Dakota~ 33:US ~31:63/463,601 ~32:03/05/2023

2024/09948 ~ Complete ~54:RNA COMPOSITIONS FOR DELIVERY OF MONKEYPOX ANTIGENS AND RELATED METHODS ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany ~72: ADAM

ZUIANI;ALEXANDRA WALLS;ANJA DOKIC;ASAF PORAN;CHARLES LEFCO DULBERGER;DANIEL ABRAM ROTHENBERG;GAVIN PALOWITCH;HUITIAN DIAO;JOHN SROUJI;KATJA MARGIT SCHLATTERER;LYNDA MARIA STUART;NILUSHI S DE SILVA;RICARDO SANCHEZ VELAZQUEZ;UGUR SAHIN~ 33:US ~31:63/345,795 ~32:25/05/2022;33:US ~31:63/442,109 ~32:30/01/2023

2024/09952 ~ Complete ~54:3,4-DIHYDROQUINOLIN-2(1H)-ONE COMPOUND ~71:KISSEI PHARMACEUTICAL CO., LTD., 19-48, Yoshino, Matsumoto-shi, Nagano, 3998710, Japan ~72: FUMIYA TANADA;KYOHEI MATSUMOTO;TAKEHIRO ISHIKAWA;TATSUYA ITOU;YOSUKE MUTAI~ 33:JP ~31:2022-106016 ~32:30/06/2022

2024/09924 ~ Complete ~54:DEMAND VALVE FOR AN OXY-FUEL WELDING AND CUTTING SYSTEM ~71:ROHLSSEN, Christian Karl Peter, 5 STIRLING ROAD, South Africa ~72: ROHLSSEN, Karl Peter~ 33:ZA ~31:2022/07075 ~32:27/06/2022

2024/09927 ~ Complete ~54:MAGNETIC FIELD SENSOR ~71:NEWSOUTH INNOVATIONS PTY LIMITED, Rupert Myers Building, Gate 14, Barker Street, The University of New South Wales, Australia ~72: GENG, Rugang;MCCAMEY, Dane;MENA, Adrian;PAPPAS, William~ 33:AU ~31:2022901738 ~32:23/06/2022

2024/09931 ~ Complete ~54:GCN2 MODULATOR FOR TREATING CANCER ~71:HIBERCELL, INC., 619 West 54th Street, 8th Floor, United States of America ~72: BOSE, Nandita;GARGANO, Michele;IGLESIAS, Jose;MULVIHILL, Mark J.;OLIVER-SHAFFER, Patricia;RAMURTHY, Savithri;SURGULADZE, David;TAMEIRE, Feven~ 33:US ~31:63/345,727 ~32:25/05/2022;33:US ~31:63/440,297 ~32:20/01/2023;33:US ~31:63/443,269 ~32:03/02/2023;33:US ~31:63/455,861 ~32:30/03/2023

2024/09933 ~ Complete ~54:METHODS FOR TREATING COMPLEMENT-MEDIATED DISEASES ~71:BIOVERATIV USA INC., 225 Second Avenue, Waltham, United States of America ~72: ALONSO, Miguel, Alonso;ATASSI, Nazem;BELDER, Rene;CHOW, Timothy, Wing Yau;SHAMSZAD, Pirouz;STOREK, Michael, John;VINNARD, Christopher, Lawrence;WALLSTROEM, Erik, Holger;WONG, Yu, Jyu Nancy~ 33:US ~31:63/355,296 ~32:24/06/2022;33:US ~31:63/370,484 ~32:04/08/2022;33:US ~31:63/375,041 ~32:08/09/2022;33:US ~31:63/379,626 ~32:14/10/2022

2024/09942 ~ Complete ~54:ENSURING BACKWARDS COMPATIBILITY BETWEEN A SUPERVISORY SYSTEM AND ON-DEVICE CONTROL SOFTWARE ~71:Technological Resources Pty Limited, 360 Collins Street, Level 7, MELBOURNE 3000, VICTORIA, AUSTRALIA, Australia ~72: CARTWRIGHT, Joel;COOK, Steven Mark;INNES, Christopher~

2024/09947 ~ Complete ~54:MULTIFUNCTION PORTABLE ILLUMINATION SYSTEM ~71:IMMOBILEYES INC., 1950 State Route 59, Kent, Ohio 44240, United States of America ~72: ATOSSA ALAVI;BAHMAN TAHERI~ 33:US ~31:63/349,183 ~32:06/06/2022;33:US ~31:63/446,022 ~32:16/02/2023

- APPLIED ON 2024/12/23 -

2024/09986 ~ Complete ~54:SIMULATION CONTROL METHOD FOR RAIL TRANSIT MOVING BLOCK SIGNALS ~71:Huzhou College, No. 1 Xueshi Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: Li Dan;Nai Wei;Yang Zan~

2024/09990 ~ Complete ~54:SURFACE INTEGRATION OF HYDROGEN GENERATION, STORAGE, AND INTEGRATION AND UTILIZATION OF WASTE HEAT FROM ENHANCED GEOLOGIC HYDROGEN PRODUCTION AND DECARBONATION REACTIONS ~71:KOLOMA, INC., 1900 Grant Street, Suite 1250, Denver, Colorado, 80203, United States of America ~72: DARRAH, Thomas;JOHNSON, Peter, L.~ 33:US

~31:63/349,883 ~32:07/06/2022;33:US ~31:63/349,897 ~32:07/06/2022;33:US ~31:63/349,901
~32:07/06/2022

2024/09996 ~ Complete ~54:FEEDSTOCKS COMPRISING HYPHAE, PRODUCTS PRODUCED THEREFROM, AND METHODS OF FORMING PRODUCTS THEREFROM ~71:MUSHROOM MATERIAL PRIVATE LIMITED, 33A Pagoda Street, Singapore, 059192, Singapore ~72: JOTINDER PAL SINGH;PAUL MALCOLM GUINIBERT;SHAUN EDWARD WILLIAM SEAMAN~ 33:NZ ~31:788942 ~32:01/06/2022

2024/10003 ~ Complete ~54:REDOX FLOW BATTERY ~71:Green Energy Storage S.R.L., Via Sommarive 18, TRENTO 38123, ITALY, Italy ~72: AZACETA, Eneko;MUSELLA, Elisa;PUCHER, Ilaria~

2024/10013 ~ Complete ~54:AQUEOUS COSMETIC COMPOSITION COMPRISING 1-8% OF AMINO ACIDS AND AT LEAST 3% OF HYDROXYLATED POLYCARBOXYLIC ACIDS, AND COSMETIC TREATMENT PROCESS ~71:L'Oreal, 14, rue Royale, 75008, PARIS, FRANCE, France ~72: CHAUMONTET, Manon;FENELON, Laura;KAESER, Adrien;MENDONCA, Liz~ 33:FR ~31:FR2205252 ~32:01/06/2022

2024/10018 ~ Complete ~54:OCULAR NEEDLE GUIDE AND METHOD TO FACILITATE ACCESS TO AN EYE ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: CEDRO, Rudolph;CRAFT, Travis Michael;FLEMING, James;JAIN, Sanjay;KENNEDY, Eric Steven;KOENIG, Abigail~ 33:US ~31:63/345,117 ~32:24/05/2022

2024/10022 ~ Complete ~54:BIOCATALYST FOR ORGANIC SYNTHESIS ~71:BUNGE SA, 12, Route de Florissant, 1206, Geneva, Switzerland;ENGINZYME AB, Tomtebodavagen 6, 171 65, Solna, Sweden ~72: ALVARENGA DA SILVA, Natalia;BAUMGARTEN, Thomas;CLEMMENTS, Alden M.;GERGEL, Sebastian;HENDIL-FORSSELL, Peter;MATTEY, Ashley;MURPHY, Vince;RAMGARD, Carl;RUGGIERI, Federica;STRIDFELDT, Elin;THOMPSON, Matthew P.;VOLKOV, Alexey~ 33:SE ~31:2250635-6 ~32:27/05/2022

2024/09958 ~ Provisional ~54:THE ADMINISTRATION OF SPORE FORMING BACTERIA TO YOUNG ANIMALS, ON ITS OWN OR AS PART OF ANIMAL FEEDS, TO FACILITATE OPTIMAL DIGESTIVE TRACT DEVELOPMENT AND HEALTH ~71:Excelsior Trust, Unit 8, 1st Floor, Block E, Centurion Gate Business Park, 126 Akkerboom Street,, South Africa ~72: Hendrik Jacobus Kriel~

2024/09973 ~ Complete ~54:MULTIMODAL TRAJECTORY INFORMATION PROCESSING AND ANALYSIS SYSTEM BASED ON MAN-MACHINE INTERACTION TERMINAL ~71:Kingfar International Inc., Room 202, Beifufang, Building 23, No.18 Anningzhuang East Road, Qinghe, Haidian District, BEIJING, CHINA (P.R.C.), People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202311865497.9 ~32:29/12/2023;33:CN ~31:202311865562.8 ~32:29/12/2023

2024/09993 ~ Complete ~54:ADAPTOR LIGATION ~71:EPIGENICA AB, Torsgatan 26, 113 21, Stockholm, Sweden ~72: SIMON ELSÄSSER;YUK KWONG YUNG~ 33:EP ~31:22175502.8 ~32:25/05/2022

2024/09997 ~ Complete ~54:SOYBEAN PLANT CHARACTERISED BY HIGH DROUGHT RESISTANCE ~71:SIPCAM OXON S.P.A., Via Carroccio, 8 20123, Milano, Italy ~72: CHIARA TONELLI;MASSIMO GALBIATI;PIERO CIRIANI~ 33:IT ~31:102022000010913 ~32:25/05/2022

2024/10007 ~ Complete ~54:PYRIMIDINE BASED MODULATORS AND USES THEREOF ~71:Quanta Therapeutics, Inc., 455 Mission Bay Boulevard, SOUTH SAN FRANCISCO 94158-2158, CA, USA, United States of America ~72: HOSPITAL, Audrey;JOHNSON, Neil;LIN, Hong;LUENGO, Juan;ZENG, Jin~ 33:US ~31:63/345,794 ~32:25/05/2022;33:US ~31:63/380,544 ~32:21/10/2022;33:US ~31:63/486,934 ~32:24/02/2023

2024/10019 ~ Complete ~54:COMMUNICATION METHOD AND RELATED APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: WANG, Yong;YANG, Yanjiang~

2024/09957 ~ Provisional ~54:METHOD OF AND SYSTEM FOR FACILITATING TRANSACTIONS BETWEEN BUYERS AND SELLERS ~71:PARUS, Nishanth, Unit 30 Starling Crest, 115 Bellairs Drive, Noordhang, Johannesburg 2188, Gauteng, SOUTH AFRICA, South Africa ~72: PARUS, Nishanth~

2024/09975 ~ Complete ~54:METHODS OF TREATING SCHIZOPHRENIA ~71:Sunovion Pharmaceuticals Inc., 84 Waterford Drive, MARLBOROUGH 01752, MA, USA, United States of America ~72: HOPKINS, Seth;KOBLAN, Kenneth;LOEBEL, Antony;OGIRALA, Ajay~ 33:US ~31:62/459,784 ~32:16/02/2017

2024/09979 ~ Complete ~54:SINGELE NUCLEOTIDE POLYMORPHISM MARKER FOR SEX DETERMINATION OF LITSEA CUBEBA AND SCREENING METHOD THEREFOR ~71:Research Institute of Subtropical Forestry, Chinese Academy of Forestry, No. 73, Daqiao Road, Fuchun Street, Fuyang District, Hangzhou City, Zhejiang Province, 311400, People's Republic of China ~72: Gao Ming~

2024/09981 ~ Complete ~54:A BLOCKCHAIN-BASED SYSTEM FOR SECURE MEDICAL DATA TRANSMISSION ~71:Debnath Bhattacharyya, Department of Computer Science and Engineering, Kommuri Pratap Reddy Institute of Technology, Ghanpur, Ghatkesar, Hyderabad, Telangana, 501301, India;Haraprasad Mondal, Assistant Professor, Dept. of ECE, DUIET, Dibrugarh University, Dibrugarh, Assam, 786004, India;Rajesh Bose, Professor, Department of Computer Science & Engineering, School of Engineering, JIS University, Kolkata, Agarpara Campus, Kolkata 81, Nilgunj Road, Agarpara, Kolkata, 700109, India;Shrabani Sutradhar, Research Scholar, Dept. of CSE, DUIET, Dibrugarh University, Dibrugarh, Assam, 786004, India;Sudipta Majumder, Assistant Professor, Dept. of CSE, DUIET, Dibrugarh University, Dibrugarh, Assam, 786004, India ~72: Debnath Bhattacharyya;Haraprasad Mondal;Rajesh Bose;Shrabani Sutradhar;Sudipta Majumder~

2024/09998 ~ Complete ~54:TREATMENT METHOD USING MAZDUTIDE ~71:INNOVENT BIOLOGICS (SUZHOU) CO. LTD., 168 Dongping Street, Suzhou Industrial Park, Suzhou, Jiangsu, 215123, People's Republic of China ~72: BAILI SONG;CHENGHANG CAI;HUAN DENG;JIE WEN;MENG LIU~ 33:CN ~31:202210622648.7 ~32:01/06/2022

2024/10004 ~ Complete ~54:DISTANCE MEASUREMENT METHOD AND RELATED APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHENG, Xingqing;GAO, Lei;LI, Dejian~

2024/09994 ~ Complete ~54:A PHARMACEUTICAL FORMULATION FOR PRESSURISED METERED DOSE INHALER ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: ALESSANDRO CAVECCHI;ANGELO BENEDETTO MATTURRO;ENRICO ZAMBELLI;FRANCESCA USBERTI;SAURO BONELLI~ 33:EP ~31:22175770.1 ~32:27/05/2022

2024/10014 ~ Complete ~54:COSMETIC COMPOSITION COMPRISING AMINO ACIDS, HYDROXYLATED (POLY)CARBOXYLIC ACIDS AND POLYSACCHARIDES, PROCESSES AND USE ~71:L'oreal, 14, rue Royale, PARIS 75008, FRANCE, France ~72: CHAUMONTET, Manon;FENELON, Laura;MINOU, Patrick~ 33:FR ~31:2205255 ~32:01/06/2022

2024/09968 ~ Complete ~54:THE INVENTION RELATES TO AN EFFICIENT PHOTOVOLTAIC ATMOSPHERIC WATER IRRIGATION SYSTEM ~71:INNER MONGOLIA MINZU UNIVERSITY, 536 Huolinhe Street West, Tongliao City, Inner Mongolia, 028000, People's Republic of China;Qingfu ZHENG, B3 Jinlongyuan Community, Tongliao City, Inner Mongolia, 028000, People's Republic of China;Zhenguo WANG, No. 332, Group 2, Yongqing

10th Committee, Keerqin District, Tongliao City, Inner Mongolia, 028015, People's Republic of China ~72: Ah Jung Gowa;Bo YU;Qingfu ZHENG;Sileng HU;Xue HAN;Yan Li;Zhenguo WANG~

2024/09972 ~ Complete ~54:FCRN ANTAGONISTS AND METHODS OF USE ~71:The Board of Regents of the University of Texas System, 201 West 7th Street, AUSTIN 78701, TX, USA, United States of America;argenx BV, Industriepark-Zwijnaarde 7, Zwijnaarde, GHENT 9052, BELGIUM, Belgium ~72: BLANCHETOT, Christophe;DE HAARD, Johannes;DREIER, Torsten;ONGENAE, Nicolas G.H.;ULRICHTS, Peter;WARD OBER, E. Sally~ 33:US ~31:61/920,547 ~32:24/12/2013

2024/09976 ~ Complete ~54:SYSTEM OF SUSTAINABLE INVESTMENT MODELS INTEGRATING BUSINESS LAW FOR GREEN FINANCE ~71:Dr.M.Selvam, Head & Senior Professor (Ret.), Department of Commerce, Bharathidasan University, Tiruchirappalli, India;Dr.S.Rajalakshmi, Associate Professor and Head, Department of Criminal Law and Criminal Justice Administration, The TamilNadu Dr.Ambedkar Law University, Chennai, India;E.Ramya, Assistant Professor (Law), Chennai Dr.Ambedkar Government Law College, Pudupakkam,TamilNadu, India;Prof.Dr. Gowri Ramesh, Registrar, The TamilNadu Dr.Ambedkar Law University, Chennai, India ~72: Dr.M.Selvam;Dr.S.Rajalakshmi;E.Ramya;Prof.Dr. Gowri Ramesh~

2024/09980 ~ Complete ~54:CUTTING AND POLISHING COMPOSITE PROCESSING METHOD AND PROCESS SUITABLE FOR POLYCRYSTALLINE SILICON ~71:Ningbo Polytechnic, 388 Lushan East Road, Ningbo Economic and Technological Development Zone, Zhejiang Province, 315800, People's Republic of China;Ningbo Shuaitelung Automotive Systems Co., Ltd, Shangshuiqi Village, Dongqiao Town, Haishu District, Ningbo City, Zhejiang Province, 315000, People's Republic of China ~72: Wang Lixian;Zhang Wei~

2024/09985 ~ Complete ~54:CHERRY SEED SHELL BREAKING TOOL FOR TAKING KERNELS WITH NO DAMAGE ~71:Shandong Institute of Pomology, No. 64, Longtan Road, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Jiang Jiangang;Tan Yue;Wei Hairong;Xu Li;Zeng Peiyuan;Zhu Min~ 33:CN ~31:2024116725156 ~32:21/11/2024

2024/09989 ~ Complete ~54:RIGID OVERHEAD-CONTACT-SYSTEM ANCHOR SEGMENT BASED ON THE TRIGGER DISCONNECTION OF CIVIL DEFENSE DOOR ~71:CHINA RAILWAY ELECTRIFICATION SURVEY DESIGN AND RESEARCH INSTITUTE CO., LTD., No.33, Jiangdu Road, People's Republic of China;CHINA RAILWAY HIGH-SPEED ELECTRIFICATION EQUIPMENT CORPORATION LIMITED, No.196, Gaoxin road, People's Republic of China ~72: DENG, Xianglong;FENG, Yong;HE, Hualei;LI, Fengyuan;LI, Jinlong;LI, Junjie;LI, Li;LI, Shoujie;LIN, Jian;LIU, Jianglei;LIU, Juan;LV, Lihu;SUO, Huimin;WANG, Xin;WANG, Zheng;WU, Qian;XIANG, Dong;ZHOU, Yujie~ 33:CN ~31:202410344741.5 ~32:25/03/2024

2024/10005 ~ Complete ~54:PYRIMIDINONE COMPOUNDS FOR TREATING ACUTE INFLAMMATION ~71:TES Pharma S.r.l., Via Giovine Italia, 1, SOLOMEO – CORCIANO (PG) 06073, ITALY, Italy ~72: DE FRANCO, Francesca;GIACCHÈ, Nicola;PELLICCIARI, Roberto~ 33:US ~31:63/346,193 ~32:26/05/2022

2024/10012 ~ Complete ~54:COSMETIC HAIR TREATMENT PROCESS, COMPRISING A WASHING STEP, A STEP OF APPLYING A COSMETIC COMPOSITION COMPRISING AMINO ACIDS AND HYDROXYLATED (POLY)CARBOXYLIC ACIDS, AND THEN A CONDITIONING STEP ~71:L'Oreal, 14, rue Royale, 75008, PARIS, FRANCE, France ~72: CHAUMONTET, Manon;KAESER, Adrien;LEE, Isaac Eng Ting~ 33:FR ~31:2205267 ~32:01/06/2022

2024/10009 ~ Complete ~54:WHEEL ASSEMBLY INCLUDING HINGED OUTER RIM SEGMENTS AND RELATED METHODS ~71:GACW INCORPORATED, 3100 West Ray Road, Suite 201, CHANDLER 85226, AZ, USA, United States of America ~72: KEMENY, Zoltan~ 33:US ~31:17/832,468 ~32:03/06/2022

2024/10016 ~ Complete ~54:HAIR TREATMENT METHOD FOR LIMITING THE CALCIUM CONTENT OF THE HAIR ~71:L'Oreal, 14, rue Royale, PARIS 75008 , FRANCE, France ~72: CHAUMONTET, Manon;KAESER, Adrien~ 33:FR ~31:2205265 ~32:01/06/2022

2024/09965 ~ Complete ~54:STABLE REPAIRING DEVICE AND METHOD FOR TRENCHLESS UNDERGROUND DRAINAGE PIPELINE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GAO Liubo;GU Deming;HE Yali;LI Lei;MAO Yanli;RONG Haoxiang;SU Zhe;XIE Zihan;YUE Mingfei~

2024/09988 ~ Complete ~54:MOBILE INTERNET CAFÉ ~71:NYANDANE, Matimba Garth, 4 Hospital Road, Arbor Park, South Africa ~72: NYANDANE, Matimba Garth~

2024/10006 ~ Complete ~54:URINARY BRANCHED-CHAIN AMINO ACIDS (UBCAAS) AS INSULIN RESISTANCE BIOMARKERS ~71:Centre Hospitalier Universitaire de Montpellier, 191 Avenue Du Doyen Gaston Giraud, MONTPELLIER 34090, FRANCE, France;Centre national de la recherche scientifique, 3 rue Michel Ange, PARIS 75016, FRANCE, France;SkillCell, 44 Rue Henri Becquerel / Centre D'affaires Actualis, JARRY CEDEX 97198, FRANCE, France;Universite de Montpellier, 163 rue Auguste Broussonet, MONTPELLIER 34090, FRANCE, France ~72: MOLINA, Franck;RENARD, Eric;SANTOS SCHNEIDER, Francisco~ 33:EP ~31:22177090.2 ~32:02/06/2022

2024/10011 ~ Complete ~54:KRAS G12C INHIBITOR FOR TREATING CANCER ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: GONG, Xueqian;HYMAN, David Michael;PENG, Sheng-Bin;SI, Chong;WILLARD, Melinda Dale~ 33:US ~31:63/357,227 ~32:30/06/2022;33:US ~31:63/486,785 ~32:24/02/2023;33:US ~31:63/496,447 ~32:17/04/2023

2024/10021 ~ Complete ~54:ENERGY GENERATING SYSTEM ~71:GREEN CURRENT (PTY) LTD, Unit 2 Leogem Commercial Park, 90 Richards Drive, Midrand, 1685, Gauteng, South Africa ~72: CHRISTOS, Christe SJ;IRELAND, Lyle Lawrence~ 33:ZA ~31:2022/08118 ~32:21/07/2022

2024/10023 ~ Complete ~54:FUNGICIDAL COMPOSITIONS AND USES THEREOF IN PREVENTION AND TREATMENT OF FUSARIUM DISEASES OF CROPS ~71:JIANGSU PESTICIDE RESEARCH INSTITUTE CO., LTD., No. 31-1, Hengjing Road, Nanjing Economic And Technological Development Zone, Nanjing, People's Republic of China;ZHEJIANG RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CO., LTD, No.926, Xixi Avenue Xihu District, Hangzhou, People's Republic of China;ZHEJIANG UNIVERSITY, No.866 Yuhangtang Rd. Hangzhou, People's Republic of China ~72: CAO, Yang;CHEN, Yun;HU, Weiqun;MA, Zhonghua;PENG, Weili;WANG, Honglei;WANG, Xiaoyang;WEI, Youchang;WU, Ningjie;XU, Tianming;ZHENG, Zhiwen~ 33:CN ~31:202210792944.1 ~32:05/07/2022;33:CN ~31:202210805610.3 ~32:08/07/2022;33:CN ~31:202210813382.4 ~32:11/07/2022

2024/09955 ~ Provisional ~54:ADVANCED MEDITATION MONITORING DEVICE WITH AI INTEGRATION AND BLOCKCHAIN DATA SECURITY ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/09966 ~ Complete ~54:EXHAUST HEAT ENERGY UTILIZATION DEVICE FOR RECREATIONAL VEHICLE ~71:Lingnan Normal University, No. 29 Cunjin Road, Chikan District, Zhanjiang City, Guangdong Province, 524000, People's Republic of China ~72: CHEN, Jingyuan;CHEN, Lujin;CHEN, Yulin;LI, Jinyi;MING, Xianglan~ 33:CN ~31:202422839510.X ~32:20/11/2024

2024/09970 ~ Complete ~54:AUTOMATIC DRINKING WATER DEVICE FOR BEEF CATTLE BREEDING ~71:Shanhu Breeding Farm, Ganzhou District, Zhangye City, Gansu Province, Baoyinhe Comprehensive Breeding Area, Pingshanhu Township, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China ~72: Gang WANG;Jianhong SUN;Rong CHANG;Shoufu MA;Yubing WEI~

2024/09978 ~ Complete ~54:MOBILE INFUSION VEHICLE FOR CHILDREN ~71:Hainan Vocational University of Science and Technology, No. 18 Qiongzhan Avenue, Meilan District, Haikou City, Hainan Province, 571126, People's Republic of China ~72: Cao Weijie;Ji Chengwei;Ye Chengrui~

2024/09982 ~ Complete ~54:A SAND SCREENING DEVICE FOR CONSTRUCTION ENGINEERING ~71:Shandong University of Science and Technology, No. 579 Qianwangang Road, Huangdao District, Shandong Province, 266590, People's Republic of China ~72: Zhang Lizhong~ 33:CN ~31:2024105835650 ~32:11/05/2024

2024/09984 ~ Complete ~54:DATA CONFIGURATION METHOD FOR RAIL TRANSIT SIGNAL CONTROL SYSTEM ~71:Huzhou College, No. 1 Xueshi Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: Li Dan;Nai Wei;Yang Zan~

2024/09991 ~ Complete ~54:INTEGRATION OF NATURAL HYDROGEN RESERVOIR STORAGE CAPACITY OR SUITABLE SUBSURFACE RESERVOIRS WITH OTHER HYDROGEN SOURCES AND SINKS ~71:KOLOMA, INC., 1900 Grant Street, Suite 1250, Denver, Colorado, 80203, United States of America ~72: JOHNSON, Peter L.~ 33:US ~31:63/349,892 ~32:07/06/2022

2024/10002 ~ Complete ~54:FLUID FLOW ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY CH-1800, SWITZERLAND, Switzerland ~72: FELBER, Matthias;HÄNZLI, Sara;NÜSSLI, Urban;ROGNON, Vincent~ 33:EP ~31:22176353.5 ~32:31/05/2022

2024/10010 ~ Complete ~54:CRYSTALLINE FORM OF INDAZIFLAM, METHODS FOR ITS PREPARATION AND USE THEREOF ~71:Adama Agan Ltd., P.O. Box 262, Northern Industrial Zone, ASHDOD 7710001, ISRAEL, Israel ~72: AGRANOVICH, Ira;ARONHIME, Judith;ERCHOV, Leonid;FALLEK, Reut;KISIN-FINFER, Einat;SIMAAN, Marwan E.~ 33:EP ~31:22182294.3 ~32:30/06/2022;33:EP ~31:22217081.3 ~32:29/12/2022

2024/09960 ~ Provisional ~54:GAS CONSUMPTION MONITORING DEVICE ~71:Rim NextGen Ltd., P.O. Box 342-01001, Kalimoni Noue, State House Road, Nairobi, KENYA, Kenya ~72: Kabare, Arnold Mwangi;Mwenda, Steve~

2024/10026 ~ Provisional ~54:AI-DRIVEN MULTILINGUAL VIDEO PRODUCTION SYSTEM FOR ANIMATED AND NON-ANIMATED CONTENT, SUPPORTING CROSS-INDUSTRY ENGAGEMENT AND GLOBAL MARKET INTEGRATION ~71:Nothile Zandile Gcwalisile Ngema, Ezwenelisha Area, South Africa ~72: Nothile Zandile Gcwalisile Ngema~

2024/09962 ~ Complete ~54:A CRYPTOGRAPHY BASED INTELLIGENT SYSTEM AND METHOD FOR SECURE DATA TRANSACTION ~71:Dr. Anita Dolorosa E, Assistant Professor, Department of Mathematics, Grace Castle, No. 9, Flat No. F3, Devi Karumariamman Street, Pallikaranai, Chennai, Tamil Nadu, 600100, India;Dr. Kishore Kumar P K, Professor and Head of the Department, Department of Mathematics, No. 13, Thiruvalluvar Street, Periyar Nagar, Pallikaranai, Chennai, Tamil Nadu, 600100, India;Dr. Pradeep D G, Assistant Professor, Department of Mechanical Engineering, Malnad College of Engineering, No 21, Salagame Road, Rangoli Halla, Hassan, Karnataka, 573202, India;Dr. Sangeetha S, Assistant Professor, Department of Mathematics, No. 6/4 Sabari Apartment, Jawahar Street, West K. K Nagar, Chennai, Tamil Nadu, 600078, India;Harekrushana Parthasarathi Patra, Associate Professor, Department of Computer Science and Engineering, Gayatri Vidya Parishad College of Engineering, Madhurawada, Visakhapatnam, Andhra Pradesh, 530048, India ~72: Dr. Anita Dolorosa E;Dr. Kishore Kumar P K;Dr. Pradeep D G;Dr. Sangeetha S;Harekrushana Parthasarathi Patra~ 33:IN ~31:202441099631 ~32:17/12/2024

2024/09964 ~ Complete ~54:REUSABLE UNDERGROUND FAST HOLE SEALING PRESSURE MEASURING DEVICE ~71:China University of Mining & Technology, Beijing, No.11 Xueyuan Road, Haidian District, Beijing City, 100083, People's Republic of China;Henan Polytechnic University, No.2001 Shiji Road, Shanyang District,

Jiaozuo City, Henan Province, 454003, People's Republic of China; Jiangsu Hengyichuang Intelligent Technology Co., Ltd., (CNK) Room 216, Unit 2, South B-17, Big Data Industrial Park, Yannan High-tech New Area, Yancheng City, Jiangsu Province, 224000, People's Republic of China; Middling Coal Mining Research Institute Co., Ltd, No.1 Linkong No.2 Road, Shunyi Park, Zhongguancun Science Park, Shunyi District, Beijing, 101300, People's Republic of China; North China Institute of Science and Technology, No.368, North Shimen Road, Wulituo Nangong Station, Shijingshan District, Beijing, 100022, People's Republic of China; University of Science and Technology Beijing, 30 Xueyuan Road, Haidian District, Beijing City, 100000, People's Republic of China; Zhengzhou Ningke Mine Engineering Co., Ltd., No.1363A, 13th Floor, Longyu International Building, Dongfeng South Road and Shangding Road, Zhengzhou Area (Zhengdong), Pilot Free Trade Zone, Henan, 450018, People's Republic of China ~72: CHEN Haoyi; CHEN Liang; CHENG Zhiheng; GUO Kai; GUO Rutao; HE Liusheng; HE Wanshun; JU Luchao; KANG Ning; LI Chunyuan; LIU Jiaqi; LIU Ruiyang; SU Erlei; WANG Hongbing; WANG Yang; YU Hongyang; ZHANG Jinhu; ZHANG Zherui; ZHOU Lijie~

2024/09971 ~ Complete ~54:AUTOMATIC BOTTOM CLEANING DEVICE ~71:SHANXI AGRICULTURAL UNIVERSITY, No.81, Longcheng Street, Xiaodian District, Taiyuan, People's Republic of China; SHANXI PROVINCIAL AQUATIC PRODUCTS TECHNOLOGY PROMOTION SERVICE CENTER, No.66, Pingyang Road, Xiaodian District, Taiyuan, People's Republic of China ~72: HOU, Xiaolei; LI, Xiaodong; LIU, Shaozhen; WANG, Xianzhen; ZHU, Guoqing~

2024/09974 ~ Complete ~54:TIRE CAPABLE OF ENHANCING TREAD RIGIDITY AND REDUCING TIRE NOISE ~71:Cheng Shin Rubber Ind. Co., Ltd., No. 215, Meigang Rd., Dacun Township, Changhua County, 51545, TAIWAN (R.O.C.), Taiwan, Province of China ~72: LEE, Yu-Ju~ 33:TW ~31:112151618 ~32:29/12/2023

2024/09995 ~ Complete ~54:ELEVATOR ~71:INVENTIO AG, Seestrasse 55, 6052, Hergiswil, Switzerland ~72: JULES CHRISTEN~ 33:EP ~31:22182055.8 ~32:29/06/2022

2024/09999 ~ Complete ~54:TEST METHOD FOR CRUSHED STONE SCATTER RATIO OF BITUMINOUS SURFACE TREATMENT PAVEMENT, AND TEST DEVICE THEREOF ~71:CHINA FIRST HIGHWAY ENGINEERING COMPANY LTD, Shitong International Building, Zhoujiating, Guanzhuang, Chaoyang District, Beijing, 100024, People's Republic of China; CHINA FIRST HIGHWAY ENGINEERING COMPANY OVERSEAS LTD., Shitong International Building, Zhoujiating, Guanzhuang, Chaoyang District Beijing, 100024, People's Republic of China ~72: YANDONG ZHOU~ 33:CN ~31:202210621421.0 ~32:02/06/2022

2024/09959 ~ Provisional ~54:SYSTEM & METHOD FOR AI CREATION &/OR BLOCKCHAIN-INTEGRATED ESTATE PLANNING AND WILL MANAGEMENT ~71:Michael Andrew Smorenburg, 17 Oceanway Drive, South Africa ~72: Michael Smorenburg~

2024/10000 ~ Complete ~54:OXIDATIVE AND REDUCTIVE LEACHING METHODS ~71:BASF SE, Carl-Bosch-Str. 38, 67056, Ludwigshafen am Rhein, Germany ~72: ANDREA MAGIN; KERSTIN SCHIERLE-ARNDT; NILS-OLOF JOACHIM BORN; TILL GERLACH; WOLFGANG ROHDE~ 33:EP ~31:22189597.2 ~32:09/08/2022

2024/10001 ~ Complete ~54:CRYSTALLINE FORMS OF SODIUM (5-(4-BROMOPHENYL)-6-(2-((5-BROMOPYRIMIDIN-2-YL)OXY)ETHOXY)PYRIMIDIN-4-YL)(SULFAMOYL)AMIDE ~71:Idorsia Pharmaceuticals Ltd, Hegenheimermattweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: BOLLI, Martin; VON RAUMER, Markus~ 33:IB ~31:2022/064253 ~32:25/05/2022

2024/09956 ~ Provisional ~54:INTELLIGENT DRIVER MONITORING AND PREDICTIVE INTERVENTION SYSTEM USING MULTIMODAL AI AND BLOCKCHAIN ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2024/10008 ~ Complete ~54:WHEEL ASSEMBLY INCLUDING AXLE ATTACHMENT ASSEMBLY HAVING ROTATIONALLY SPACED INBOARD AND OUTBOARD ARCUATE ARMS AND RELATED METHODS ~71:GACW Incorporated, 3100 West Ray Road, Suite 201, CHANDLER 85226, AZ, USA, United States of America ~72: KEMENY, Zoltan~ 33:US ~31:17/831,218 ~32:02/06/2022

2024/10015 ~ Complete ~54:HAIR TREATMENT METHOD COMPRISING THE APPLICATION OF A COMPOSITION COMPRISING AMINO ACIDS AND HYDROXYLATED (POLY)CARBOXYLIC ACIDS, FOLLOWED BY WASHING THE HAIR, AND USE AS A PRE-SHAMPOO ~71:L'oreal, 14, rue Royale, PARIS 75008, FRANCE, France ~72: CHAUMONTET, Manon;FENELON, Laura~ 33:FR ~31:FR2205264 ~32:01/06/2022

2024/09967 ~ Complete ~54:MULTIFUNCTIONAL 3D-PRINTED RODENTS BATCH FIXATION DEVICE ~71:The Second Affiliated Hospital of the Chinese People's Liberation Army Army Medical University, No.183, Xinqiao Street, Shapingba District, Chongqing, 400037, People's Republic of China ~72: LI Guobing;WU Zhifeng;ZHANG Yuping~

2024/09969 ~ Complete ~54:THE INVENTION RELATES TO A METHOD FOR SEPARATING THE KNEAD JUICE OF SORGHUM STALK AND PREPARING CARBON FIBER ~71:Qingfu ZHENG, B3 Jinlongyuan Community, Tongliao City, Inner Mongolia, 028000, People's Republic of China;TONGLIAO AGRICULTURAL AND ANIMAL HUSBANDRY RESEARCH INSTITUTE, East of Qianjia Town, Keerqin District, Tongliao City, Inner Mongolia, 028015, People's Republic of China;Yan LI, East of Qianjia Town, Keerqin District, Tongliao City, Inner Mongolia, 028015, People's Republic of China;Zhenguo WANG, No. 332, Group 2, Yongqing 10th Committee, Keerqin District, Tongliao City, Inner Mongolia, 028015, People's Republic of China ~72: Feng WEN;Fengjuan CUI;Haize WANG;Jingbo LYU;Meijuan XIE;Mo LI;Qingfu ZHENG;Qingquan XU;Tianyu CUI;Xiaoguang JIN;Xuelian BAO;Yan LI;Zhenguo WANG;Zhilan DENG~

2024/09954 ~ Provisional ~54:AMPLIFYING ELECTROSTATIC TRANSDUCER (AET) ~71:NYASHA SHEKEDE, 1B Main Road, Rosebank Rosebank 7700, South Africa ~72: NYASHA SHEKEDE~

2024/09961 ~ Provisional ~54:THE USE OF SODIUM BICARBONATE AND ACETIC ACID IN AN ELECTROLYTE FORMULATION TO FACILITATE THE PRODUCTION OF SODIUM ACETATE WHEN MIXED WITH WATER ~71:Excelsior Trust, Unit 8, 1st Floor, Block E, Centurion Gate Business Park, 126 Akkerboom Street,, South Africa ~72: Hendrik Jacobus Kriel~

2024/09963 ~ Complete ~54:CIVIL ENGINEERING CONSTRUCTION WASTE TREATMENT DEVICE ~71:LUDONG UNIVERSITY, NO.186, Middle Hongqi Road, Zhifu District, Yantai City, Shandong Province, People's Republic of China ~72: LUAN Yexing;ZHOU Hong;ZHOU Jianbo~

2024/09983 ~ Complete ~54:AUTOMATIC ASSEMBLY DEVICE FOR CIRCUIT BOARDS ~71:Huzhou University, No. 759, Second Ring East Road, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: Liu Zhaoliang~ 33:CN ~31:2024115845610 ~32:07/11/2024

2024/09987 ~ Complete ~54:METHOD FOR GENERATING HAIR DRYER STRUCTURE ~71:Zhang Li, 1 Xueyuan Road, Shiqi District, Zhongshan City, Guangdong Province, People's Republic of China ~72: Zhang Li~

2024/09977 ~ Complete ~54:AN ISOLATION NOISE REDUCTION DEVICE FOR CONSTRUCTION PROJECT MANAGEMENT ~71:Jiangsu College of Safety Technology, No. 381 Tongshan Road, Yunlong District, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: Zhu Lu~ 33:CN ~31:202410766490X ~32:14/06/2024

2024/10017 ~ Complete ~54:COMBINATION METHOD FOR TREATING OR PREVENTING CHILDHOOD ATOPIC DISEASE ~71:Kenvue Brands LLC, 1 Kenvue Way, SUMMIT 07901, NJ, USA, United States of America ~72: ALUNKAL, Linda;GOULD, Russell;INSEL, Richard A.~ 33:US ~31:63/347,206 ~32:31/05/2022

2024/10020 ~ Complete ~54:HYDROGEN ENHANCED GEOTHERMAL POWER PRODUCTION ~71:KOLOMA, INC, 1900 Grant Street, Suite 1250, Denver, Colorado, 80203, United States of America ~72: JOHNSON, Peter L.~ 33:US ~31:63/349,905 ~32:07/06/2022

2024/10024 ~ Complete ~54:CASE PACKING APPARATUS FOR PACKAGE ~71:ANHUI MILANSHI DECORATION MATERIALS CO., LTD., Fanjin Road, Fangang Town, Tongcheng Anqing, People's Republic of China ~72: FANG, Chengchen;HUANG, Fang~

2024/09992 ~ Complete ~54:SYSTEMS AND METHODS FOR MONITORING, QUANTITATIVE ASSESSMENT, AND CERTIFICATION OF LOW-CARBON HYDROGEN AND DERIVATIVE PRODUCTS ~71:KOLOMA, INC., 1900 Grant Street, Suite 1250, Denver, Colorado, 80203, United States of America ~72: DARRAH, Thomas;HARRINGTON, Jacob;LARY, Brent;WHYTE, Colin~ 33:US ~31:63/349,888 ~32:07/06/2022;33:US ~31:63/349,890 ~32:07/06/2022

2024/10025 ~ Provisional ~54:BREEDLOVE SCHOOL E-HAILING SERVICES ~71:Collins Thomas Mgbo, 22 Paulo Street Legae La Batho Polokwane, South Africa ~72: Collins Thomas Mgbo~

- APPLIED ON 2025/01/02 -

2025/00013 ~ Complete ~54:LARGE BRANCH HARVESTING AND PLANTING METHOD FOR ZANTHOXYLUM SCHINIFOLIUM ~71:Pingchang Forest Products Development Center, Section 2, Jinxing Avenue, Jinbao New District, Pingchang County, Bazhong City, Sichuan Province, 636400, People's Republic of China;Sichuan Academy of Forestry Sciences, No. 18, Xinghui West Road, Jinniu District, Chengdu City, Sichuan Province, 610084, People's Republic of China ~72: CHEN, Shanbo;CHEN, Wei;HUANG, Shengjia;LIU, Haiying;LUO, Hui;WANG, Lihua;WANG, Yongjie;YANG, Zhiwu;YU, Lingfan~

2025/00022 ~ Complete ~54:IN VITRO CULTURE METHOD FOR ROOTS OF ZOSTERA MARINA L. ~71:Shandong University, No. 180 Wenhua West Road, Weihai City, Shandong Province, 264209, People's Republic of China ~72: LIU, Xueqin;QU, Chunfeng;ZHENG, Fengying~

2025/00026 ~ Complete ~54:ART DISPLAY FRAME ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: LI Xiaohui;LIANG Danyang;LIU Rongji;RONG Shukun;SUN Chi;SUN Miao;WEI Huiqin;ZHANG Yueyang~

2025/00029 ~ Complete ~54:THORACENTESIS POSITIONING DEVICE IN RESPIRATORY MEDICINE DEPARTMENT ~71:Yichang Central People's Hospital (First Clinical Medical College of Three Gorges University, Central People's Hospital Affiliated to Three Gorges University), No. 183, Yiling Avenue, Yichang, Hubei, People's Republic of China ~72: Ming Zhan;Xuejun Li~

2025/00036 ~ Complete ~54:EFFECTIVE METHOD FOR REDUCTION, HARMLESSNESS, AND RECYCLING UTILIZATION OF SLUDGE ~71:NingboTech University, No.1 Qianhu South Road, Yinzhou District, Ningbo City, Zhejiang Province, 315100, People's Republic of China ~72: FU, Jiaqi;GAO, Fuyan;LIU, Shuai;SUN, Chenghui~

2025/00042 ~ Complete ~54:AUXILIARY DRAINAGE DEVICE FOR WATER PREVENTION AND CONTROL IN COAL MINE CONSTRUCTION AND DRAINAGE METHOD THEREFOR ~71:Suzhou University, Xuefu Avenue, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Chen Song;Ding Diandian;Feng Songbao;Gong Wei;Ma Jie;Zhang Haitao;Zhang Jun~

2025/00051 ~ Complete ~54:AN ENVIRONMENTAL MONITORING ECOLOGICAL SAFETY EARLY WARNING DEVICE ~71:Jining Normal University, Gongnong Street, Ulanqab City, Inner Mongolia, People's Republic of China ~72: Bao Xiangping;Pang Yan~

2025/00074 ~ Complete ~54:SCRAPER CONVEYING DEVICE FOR MINING ~71:ZHAOQING UNIVERSITY, No. 55 Zhaoqing Avenue, Duanzhou District, Zhaoqing City, People's Republic of China ~72: LI, Saiwei;LIANG, Guangda;LU, Wenjia;YUAN, Cong;ZHU, Lisha~

2025/00079 ~ Complete ~54:A RAPID SEPARATION PRETREATMENT DEVICE FOR FLOTATION ORGANIC AGENTS IN LEAD-ZINC BENEFICIATION WASTEWATER ~71:Kunming Metallurgy College, No. 388, Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650033, People's Republic of China ~72: Hanping Zhang;Jinbang Guo;Qi Nie;Yang Liu;Yiming Wen;Yong Cheng~

2025/00084 ~ Complete ~54:CARBON-BASED POSITIVE ELECTRODE MATERIAL AND APPLICATION THEREOF IN ALUMINUM BATTERIES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GAO Shuning;GAO Zhe;GUO Yan;LIU Chengyuan;SUN Jiahao~

2025/00090 ~ Complete ~54:COMPOUND CONTAINING PYRAZOLE STRUCTURE, APPLICATION, AND INSECTICIDE ~71:Anhui Shengfeng Biochemical Co., Ltd, Hefei Circular Economy Demonstration Park, Feidong County, Hefei, People's Republic of China ~72: HUANG, Wei;LI, Jianyou;MA, Zhepeng;WANG, Jinzhen;WANG, Zhenyu;YANG, Guangfu~ 33:CN ~31:202210826763.6 ~32:13/07/2022

2025/00098 ~ Complete ~54:BIG DATA-BASED INFORMATION ACQUISITION SYSTEM FOR SOFTWARE DEVELOPMENT ~71:HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE, No. 88 Fangxing Road, Yuhua District,, Shijiazhuang, Hebei, 050026, People's Republic of China ~72: LI, Xinpan~

2025/00104 ~ Complete ~54:CANNABINOID LIPID PREMIXTURE ~71:Fertin Pharma A/S, Dandyvej 19, VEJLE 7100, DENMARK, Denmark ~72: BOESEN, Dorte Schackinger;JENSEN, Sanne Skov;LAURSEN, Simon Lykke Roest~ 33:CA ~31:3166745 ~32:05/07/2022;33:US ~31:17/857,937 ~32:05/07/2022

2025/00109 ~ Complete ~54:NUTRITIONAL COMPOSITION COMPRISING GOS AND HMOS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BERGONZELLI DEGONDA, Gabriela;FERRIER, Laurent;JANKOVIC, Ivana~ 33:EP ~31:22178116.4 ~32:09/06/2022

2025/00112 ~ Complete ~54:GLOVE ~71:SCOTT BAKER, 5530 Kester Ave., Sherman Oaks, California, 91411, United States of America ~72: SCOTT BAKER~

2025/00118 ~ Complete ~54:LAUNDRY DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HEMENDRA DILIP JOSHI;PANCHANAN BHUNIA;RAJAN CHANDRAKANT MHAMUNKAR;SHASHANK KHARE;SUJITKUMAR SURESH HIBARE~ 33:EP ~31:22187947.1 ~32:29/07/2022

2025/00021 ~ Complete ~54:GROUND PRESSURE AND HEIGHT SELF-ADAPTIVE TRACKED MECHANISM ~71:JINHUA UNIVERSITY OF VOCATIONAL TECHNOLOGY, No. 1188 Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: DING, Zhao;FANG, Shaohua;WANG, Jinshuang;WANG, Zhiming;XIONG, Yongsen;ZHANG, Hengjing~

2025/00028 ~ Complete ~54:A CEREBROVASCULAR INTERVENTIONAL PUNCTURE POSITIONING DEVICE ~71:The Third Affiliated Hospital of Guangzhou Medical University, No. 63, Duobao Road, Liwan District,

Guangzhou City, Guangdong Province, 510150, People's Republic of China ~72: Haitao Guan;Haobo Chen;Hengfeng Qiu;Jianxi Hu;Mingjun Lai;Qing Zou;Rong Hu;Yanling Liang~

2025/00035 ~ Complete ~54:EUCOMMIA ULMOIDES LEAF POWDER CAKE AND PREPARATION METHOD THEREOF ~71:Ji'an College, Ji'an South Avenue, Jizhou District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: FENG,Wenwen;GUO, Qi;HU, Wenwen;JIN, Yuanbao;LEI, Qian;LIU, Yuying;XIA, Zhongxi;XIAO, Liqiong;XIAO, Na;ZHOU, Cong;ZHOU, Huang;ZHOU, Ningping~ 33:CN ~31:202411756051.7 ~32:03/12/2024

2025/00124 ~ Provisional ~54:COOLWAVE MICROWAVE ~71:moraba walter ngwako junior, 1161 lehlalerwa, South Africa ~72: Moraba Walter Ngwako Junior~

2025/00002 ~ Provisional ~54:THE ADMINISTRATION OF BREVIACILLUS LATEROSPORUS, A BUTYRATE AND PROPIONATE PRODUCER, TO YOUNG RUMINANTS TO FACILITATE THE OPTIMAL DEVELOPMENT OF RUMEN EPITHELIAL CELLS AND PAPILLAE. ~71:Excelsior Trust, Umit 8, 1st Floor, Block E, Centurion Gate Business Park, 126 Akkerboom Street,, South Africa ~72: Hendrik Jacobus Kriel~

2025/00009 ~ Provisional ~54:CAREER PLANNING, TUTORING AND FINANCIAL EDUCATION/LITERACY AT SCHOOLS ~71:Siphiwe Mhlanga, 12070 Mokaba Street, South Africa ~72: Siphiwe Nelson Mhlanga~

2025/00015 ~ Complete ~54:CATIONIC COVALENT ORGANIC FRAMEWORK MATERIAL CAPABLE OF ADSORBING FLUOROQUINOLONES ANTIBIOTICS, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, People's Republic of China ~72: HOU Linli;KONG Xiangling;XIN Ruyi;XU Qiaoying;ZENG Keni;ZOU Jiayi~

2025/00020 ~ Complete ~54:METHOD FOR GENETIC TRANSFORMATION OF QUERCUS VARIABILIS MEDIATED BY AGROBACTERIUM RHIZOGENES ~71:Research Institute of Non-timber Forestry, Chinese Academy of Forestry, No. 3 Weiwu Road, Jinshui District, Zhengzhou City, Henan Province, 450003, People's Republic of China ~72: CHEN, Weiwei;DING, Huanhuan;FENG, Yaxin;YANG, Cancan;YU, Xinran;ZHANG, Yanhua;ZHU, Haiyang;ZHU, Jingle~ 33:CN ~31:202411703894.0 ~32:26/11/2024

2025/00024 ~ Complete ~54:A NOVEL PREFABRICATED COLUMN-BEAM JOINT STRUCTURE ~71:Xinyu University, 2666 Sunshine Dadao, High-tech Zone, Xinyu City, Jiangxi Province, People's Republic of China ~72: Cai Yunfang;Cui Shengchao;Liao Feifei;Pi Ling;Sun Yanping;Wang Chengyuan;Xu Minghao;Zhang Wu~ 33:CN ~31:2024227728242 ~32:14/11/2024

2025/00033 ~ Complete ~54:WASTE LIQUID TREATMENT DEVICE FOR HOSPITAL INSPECTION ~71:The first people's hospital of Changde city, No. 818, Renmin Road, Wuling District, Changde, Hunan, People's Republic of China ~72: Chao Wang;Jibo Zhang;Xuejun Li~

2025/00039 ~ Complete ~54:CELLULOSE-DEGRADING COMPOUND MICROBIAL FLORA PREPARATION AND ITS APPLICATION IN STRAW DEGRADATION ~71:Suzhou University, No. 49 Bianhe Middle Road, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Wu Furu;Xu Lisheng~

2025/00041 ~ Complete ~54:DEVICE FOR ENGLISH TRANSLATION PRACTICE ~71:Xuzhou University of Technology, No. 2 Lishui Road, Yunlong District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Peng Juan;Zhan Shaoxia~

2025/00065 ~ Complete ~54:TAIL GAS TREATMENT DEVICE USED IN PRODUCTION OF LOW-MERCURY CATALYST ~71:NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD, South Of Weiliu Road,

Sanxiangliang Industrial Park, Dalate Banner, Ordos, Inner Mongolia, 014399, People's Republic of China ~72: LI, Yuqiang~ 33:CN ~31:202422733426.X ~32:11/11/2024

2025/00066 ~ Complete ~54:EFFICIENT AND ENVIRONMENT-FRIENDLY DISTILLATION PRODUCTION DEVICE FOR RECLAIMING MERCURY BY TREATING WASTE MERCURY CATALYST ~71:NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD, South Of Weiliu Road, Sanxiangliang Industrial Park, Dalate Banner, Ordos, Inner Mongolia, 014399, People's Republic of China ~72: LI, Yuqiang~ 33:CN ~31:202422736154.9 ~32:11/11/2024

2025/00093 ~ Complete ~54:SPACE-BASED SOLAR POWER SYSTEM ~71:OVERVIEW ENERGY INC., 440 N Barranca Ave #3578 Covina, United States of America ~72: BERTE, Marc~ 33:US ~31:63/368,534 ~32:15/07/2022;33:US ~31:18/345,343 ~32:30/06/2023

2025/00106 ~ Complete ~54:METHODS OF TREATING GLIOBLASTOMA WITH PRODRUGS OF RILUZOLE ~71:Biohaven Therapeutics Ltd., Biohaven Therapeutics Ltd., Ritter House, P.O. Box 173, ROAD TOWN VG 1110, TORTOLA, VIRGIN ISLANDS (BRITISH), Virgin Islands (British) ~72: DONOHUE, Mary K.;GROSSMAN, Katheryn;QURESHI, Irfan;RYBICKI, Alissa~ 33:US ~31:63/355,631 ~32:26/06/2022

2025/00121 ~ Complete ~54:INTELLIGENT IDENTIFICATION METHOD AND SORTING SYSTEM FOR FISH ~71:ZHEJIANG UNIVERSITY OF TECHNOLOGY, No.18, Chaowang Road, Gongshu District, Hangzhou, Zhejiang, 310014, People's Republic of China ~72: DING, Yuting;HE, Bo;XIONG, Jun;XU, Xia;YE, Dongdong~ 33:CN ~31:202410528118.5 ~32:29/04/2024

2025/00123 ~ Provisional ~54:BAIL-A-BEE ~71:Norman Clifford Venn, 89 PITZER ROAD, GLEN AUSTIN, South Africa ~72: Norman Clifford Venn~

2025/00047 ~ Complete ~54:A PREPARATION METHOD OF BORON NANOMETER MATERIAL ~71:China Aluminum Foil (Yunnan) Co., Ltd., No. 1, Yunlv Road, Qidian Community, Chenggong District, Kunming City, Yunnan Province, 650093, People's Republic of China;Kunming University of Science and Technology, No. 68, Wenchang Road, Yi'eryi Street, Wuhua District, Kunming City, Yunnan Province, 650093, People's Republic of China ~72: Caiqing Wang;Enhao Zhang;Huapeng Wu;Jichang Kang;Jie Zhou;Kangming Wu;Liangliang Gu;Linfei Li;Pengju Liu;Qiaoyuan Du;Ronggang Sun;Ruijiao Jia;Wei Liu;Xiumin Chen;Yan Feng;Yuanyuan Chen~ 33:CN ~31:202411896415.1 ~32:20/12/2024

2025/00056 ~ Complete ~54:FLOOD CONTROL WATER CONSERVANCY DAM AND AUXILIARY CONSTRUCTION DEVICE THEREFOR ~71:HEBEI WATER CONSERVANCY ENGINEERING BUREAU GROUP LIMITED, 103 Jianshe South Street, Yuhua District, Shijiazhuang City, Hebei Province, 050000, People's Republic of China;Shijiazhuang Tiedao University, No. 17, North Second Ring East Road, Chang'an District, Shijiazhuang City, Hebei Province, 050043, People's Republic of China ~72: CUI, Kaifei;CUI, Song;GAO, Jie;GENG, Xinxin;JIN, Suxian;JIN, Zhonglei;LI, Huimin;MENG, Xiangzhao;NIE, Chao;REN, Bingxin;WANG, Junjie;WANG, Wenjun;ZHANG, Bo;ZHANG, Liting;ZHANG, Shaoxiong;ZHANG, Shuai~

2025/00060 ~ Complete ~54:AUTOMATIC CURTAIN ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: YANG Xuemei~

2025/00068 ~ Complete ~54:DIGITAL SEAL DEVICE HAVING CAPABILITY OF LOCALIZED NOTARIZATION ~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: DUAN, Zhizhuang;HUANG, Ruiyang;HUANG, Yuyun;HUANG, Zhenting;LIN, Guchong~

2025/00071 ~ Complete ~54:METHOD AND SYSTEM FOR ESTIMATING AND VERIFYING FUEL QUANTITY OF SHIP ~71:CHINA WATERBORNE TRANSPORT RESEARCH INSTITUTE, NO. 8, XITUCHENG ROAD, People's Republic of China ~72: REN, Lili;SHI, Jing;TIAN, Yujun;WANG, Hongyan;WANG, Zheng~ 33:CN ~31:202410722098.5 ~32:05/06/2024

2025/00115 ~ Complete ~54:BISPECIFIC ANTIBODY CONTAINING ANTI-CLDN18.2 ANTIBODY, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF ~71:AKESO BIOPHARMA, INC., 6 Shennong Road, Torch Development Zone Zhongshan, Guangdong, 528437, People's Republic of China ~72: BAIYONG LI;PENG ZHANG;YU XIA;ZHONGMIN WANG~ 33:CN ~31:202210676083.0 ~32:15/06/2022

2025/00005 ~ Provisional ~54:GUMMIES AND JELLY SWEETS SHAPED LIKE SOFTWARE APP ICONS AND EMOJIS ~71:Shaun Sehopotso Molokwane, 1770 Mesopotamia GaKgapane, South Africa ~72: Shaun Sehopotso Molokwane~

2025/00006 ~ Provisional ~54:THE USE OF SODIUM BICARBONATE AND ACETIC ACID IN AN ELECTROLYTE POWDER FOR DAIRY CALVES AND OTHER YOUNG MAMMALIAN PRODUCTION ANIMALS TO PRODUCE SODIUM ACETATE WHEN MIXED WITH WATER. ~71:Excelsior Trust, Unit 8, 1st Floor, Block E, Centurion Gate Business Park, 126 Akkerboom Street,, South Africa ~72: Hendrik Jacobus Kriel~

2025/00010 ~ Provisional ~54:VERSATILE RFID/NFC TAG FOR PERSONAL, ACCESSORY, AND PET IDENTIFICATION(NXTAG,NEXTAG,SHARETAG) ~71:Reuben Kruger, 269 Glover ave, 66 Lenchen place, South Africa ~72: Reuben Kruger~

2025/00030 ~ Complete ~54:A COLLECTING DEVICE FOR FLOATING SLUDGE EDGE-COLLECTING IN A SEWAGE TREATMENT TANK ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Deming;LI Lei;LI Songya;RONG Haoxiang;SU Zhe;WANG Linpei;YANG Menghan;ZHAO Yanping~

2025/00055 ~ Complete ~54:A SPORTS PHYSICAL FITNESS TRAINING DEVICE ~71:HuaiNan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, People's Republic of China ~72: Li lanfang;Zhang jing~

2025/00057 ~ Complete ~54:CONTROL DEVICE FOR HONEY COLLECTION OF CAMELLIA OLEIFERA POLLINATION BEES ~71:Jinggangshan University, No.28, Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: Bing Zhou;Qitao Su;Xinyi Huang;Zhixuan Du~

2025/00076 ~ Complete ~54:VISIBLE LIGHT CALIBRATOR, LASER DEVICE AND CALIBRATION METHOD ~71:BEIJING SANO LASER S&T DEVELOPMENT CO., LTD., Room 7-201, No.1, Caida 3rd Street, Nancai Town, Shunyi District, Beijing, 101300, People's Republic of China ~72: HONGBO ZHANG;YONGQIANG ZHANG~ 33:CN ~31:202410217306 .6 ~32:28/02/2024

2025/00085 ~ Complete ~54:ENVIRONMENTAL SAMPLE STORAGE DEVICE WITH LABEL PROTECTION AND WHOLE PROCESS INFORMATION RECORDING FUNCTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GAO Hongbin;HAO Minghui;JIANG Zhongfeng;LI Bin;WU Junfeng~

2025/00088 ~ Complete ~54:AN INTEGRATED CLEANING MACHINE FOR REDUCING PESTICIDE RESIDUES IN FRESH FLOWERS ~71:Chuzhou University, No.1 Huifeng West Road, Nanqiao District, Chuzhou City, Anhui Province, People's Republic of China ~72: Dai Haoran;He Shihang;Li Weina;Sun Xiao;Zou Wei~ 33:CN ~31:202410029480.8 ~32:09/01/2024

2025/00097 ~ Complete ~54:POWER DATA CENTER MANAGEMENT SYSTEM AND ITS MANAGEMENT METHOD ~71:HEBEI CHIHAI TECHNOLOGY CO., LTD., No.1515, Block A, Century Huamao, No. 363 Sports South Street, Yuhua District, Shijiazhuang, Hebei, 050000, People's Republic of China;Nanjing Vocational College of Information Technology, No.99, Wenlan Road, Xianlin University Town, Nanjing, Jiangsu, 210023, People's Republic of China;TAIYUAN POWER SUPPLY COMPANY OF STATE GRID SHANXI ELECTRIC POWER COMPANY, No.71 Fudong Street, Xinghualing District, Taiyuan, Shanxi, 030001, People's Republic of China ~72: Ben WANG;Fan CHEN;Shuzhen REN;Wei YAO;Zhenfei GU;Zixuan GU~ 33:CN ~31:202311427872.1 ~32:30/10/2023

2025/00102 ~ Complete ~54:SYSTEMS AND METHODS FOR PREDICTING THE VALUE OF A CONTINUOUS OUTPUT ~71:Blue Prism Limited, 2 Cinnamon Park, Crab Lane, Fearnhead, WARRINGTON WA2 0XP, UNITED KINGDOM, United Kingdom ~72: MAVADIA, Sandeep;REID, John Edward~ 33:EP ~31:22177383.1 ~32:06/06/2022

2025/00113 ~ Complete ~54:GRID FORMING TYPE WIND GENERATING SET AND CONTROL METHOD THEREFOR, AND CONTROLLER ~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: FENG LI;RUI GUO;SHUANG JING;XIAO YU;ZHIQIAN YANG~ 33:CN ~31:202211319731.3 ~32:26/10/2022

2025/00117 ~ Complete ~54:A PHOTOPROTECTIVE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMIT PATTANAIAK;ANITA DAMODARAN;ASHISH ANANT VAIDYA;ATUL ARUNROA MAHAJAN;MRUTHYUNJAYA SWAMY MATHAPATHI;NANDINI SACHIN DABHOLKAR;PRAFUL GULAB RAO LAHORKAR;SATISH KUMAR VENKATESH~ 33:EP ~31:22189409.0 ~32:09/08/2022

2025/00162 ~ Provisional ~54:WATCH-DOG MOBILE SMART CAMERA SYSTEM POWERED BY SOLAR ENERGY ~71:Ngcozi Trading and Project (PTY) LTD, 17B Van Bruggen, Klipfontein, South Africa ~72: Vusi Lusenga~

2025/00208 ~ Provisional ~54:AREYE ~71:Tebogo Witness Motshubele, T21 Mountain View Section, South Africa ~72: Tebogo Witness Motshubele~

2025/00053 ~ Complete ~54:WATER AND SOIL CONSERVATION CONTINUOUS SAMPLE DEVICE ~71:Shenyang Agricultural University, No. 120 Dongling Road, Shenhe District, Shenyang City, Liaoning Province, 110866, People's Republic of China ~72: Haoming Fan;Haotian Yang;Renming Ma;Shoujia Su;Tianqi Liu;Yanfeng Jia;Zhulin Li~ 33:CN ~31:202410170230.6 ~32:06/02/2024

2025/00008 ~ Provisional ~54:DYNAMIC SCHEDULING SYSTEM WITH REAL-TIME ADAPTATION AND AUTOMATED COMMUNICATION ~71:Geert Dirk Jurgens, Unit 125 Block 14 Develde Estate , cnr Broadway Blvd and Debeers ave - Somerset West - Cape Town - Western Cape, South Africa ~72: Geert Dirk Jurgens (Gary)~

2025/00012 ~ Provisional ~54:PRODUCT INTELLIGENCE SYSTEMS ~71:Dineo Valentia Marumo-Motsei, 5 Elmar Steyn Circle, South Africa;Jabulani Elliot Nyamane, 644 Thakadu street, South Africa ~72: Dineo Valentia Marumo-Motsei;Jabulani Elliot Nyamane~

2025/00018 ~ Complete ~54:FATIGUE LIFE TESTING DEVICE FOR ROTATING MACHINERY STRUCTURE ~71:Shenyang Jianzhu University, No.25 Hunnan Middle Road, Hunnan District, Shenyang, Liaoning Province, 110168, People's Republic of China ~72: Hailing LI;Huaitao SHI;Ke ZHANG;Xianming SUN;Xiaotian BAI;Yang ZHOU;Yuhou WU~ 33:CN ~31:2024108030278 ~32:20/06/2024

2025/00025 ~ Complete ~54:METHOD FOR IMPROVING WEAR RESISTANCE OF TITANIUM ALLOY PART ~71:Taiyuan University of Technology, No. 79 Yingze West Street, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: BAI, Xiaoyun;CHENG, Siyuan;LI, Qihang;LI, Wenhui;LI, Xiuhong;WANG, Delong;YAN, Yuan~ 33:CN ~31:202410038165.1 ~32:11/01/2024

2025/00034 ~ Complete ~54:CNC MACHINING WASTE RECYCLING DEVICE WITH SCREENING STRUCTURE ~71:Taizhou Technician College, No. 1255, Juyang Avenue, Taizhou Bay New Area, Taizhou City, Zhejiang Province, 318000, People's Republic of China ~72: JIANG, Yujie;LIU, Huaquan;MOU, Huahong;WU, Lan~

2025/00037 ~ Complete ~54:PRESSURE CONTROL-BASED ABRASIVE WATER JET DRILLING AND SLOTTING INTEGRATED DEVICE ~71:HENAN POLYTECHNIC UNIVERSITY, No.2001, Century Avenue, High-Tech Zone, Jiaozuo, Henan, 454003, People's Republic of China ~72: FAN,Junkai;LIU,Zhenpeng;WANG,Hongqi;YUAN,Ruifu;ZAI,penghui~

2025/00043 ~ Complete ~54:PROTECTIVE STRUCTURE FOR A TOURIST SIGHTSEEING VEHICLE ~71:Ji'an College, No. 133 Ji'an South Avenue, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: Li Yajuan;Liu Hong;Liu Lifeng;Liu Yufei;Tang Jiaye;Tang Wenbin;Wang Xiaohuan;Wei Hushen;Yuan Shenmei;Zhang Mingshan~

2025/00257 ~ Provisional ~54:STORAGE BATTERY AND ELECTROLYTE ~71:Hermanus Christoffel Petrus Human, 10a Clifford Road Chancliff, South Africa ~72: Hermanus Christoffel Petrus Human;Jan Petrus Human~

2025/00081 ~ Complete ~54:LITHIUM-SULFUR BATTERY AND PREPARATION METHOD THEREOF ~71:Hebei Normal University of Science and Technology, No. 360, West Section of Hebei Street, Haigang District, Qinhuangdao City, Hebei Province, 066099, People's Republic of China ~72: Chai Yingjie;Ji Zhixin;Lei Zijie;Li Wei;Li Zemin;Wang Lijiang;Wang Ying~

2025/00089 ~ Complete ~54:METHOD FOR AUTONOMOUSLY REGULATING LIMB MOVEMENT THROUGH EMG-SIGNALS OF FACIAL MUSCLE ACTION ~71:SQ-Med Co., Ltd., Room 205, 2/F, Block A of Animation Building, No.11 Xinghuo Road, Jiangbei New District, Nanjing City, Jiangsu Province, 210032, People's Republic of China;ZHONGDA HOSPITAL SOUTHEAST UNIVERSITY, No. 87 Dingjiaqiao, Gulou District, Nanjing City, Jiangsu Province, 210009, People's Republic of China ~72: Baoyu YUAN;Boduo WANG;Xiaoying LYU;Zhigong WANG~

2025/00094 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING ANEMIA, PREPARATION METHOD THEREFOR, AND FORMULATION THEREOF ~71:Hunan Kangyao Biotechnology Co., LTD, Baota Community, Tongshan Street, Ningyuan County, Yongzhou City, Hunan Province, 425000, People's Republic of China ~72: LIU Ke;LIU Shifeng;OUYANG Yaoli;ZHUANG Zhaoyang~ 33:CN ~31:2023107423237 ~32:21/06/2023

2025/00100 ~ Complete ~54:ANTIBODIES TARGETING INTEGRIN BETA-2 ~71:SINGH SIDHU, Sachdev, 40 Beaconsfield Avenue, Canada ~72: SINGH SIDHU, Sachdev~ 33:US ~31:63/350,299 ~32:08/06/2022

2025/00107 ~ Complete ~54:LOW VOLTAGE ELECTROLYZER AND METHODS OF USING THEREOF ~71:Sublime Systems, Inc., 28 Park Street, SOMERVILLE 02143, MA, USA, United States of America ~72: BENCK, Jesse D.;CHIANG, Yet-Ming;STERN, Michael C.~ 33:US ~31:63/366,943 ~32:24/06/2022

2025/00114 ~ Complete ~54:OLIGOSACCHARIDE LINKER, LINKER-PAYLOAD COMPRISING THE SAME AND GLYCAN CHAIN-REMODELED ANTIBODY-DRUG CONJUGATE, PREPARATION METHODS AND USES THEREOF ~71:GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD., 5th Floor, Building D, No. 398, Ruoshui

Rd., Suzhou Industrial Park, Suzhou, Jiangsu, 215123, People's Republic of China ~72: GANG QIN;MEIJUN XIONG;MINGYU HU~ 33:CN ~31:202210625988.5 ~32:02/06/2022;33:CN ~31:202210629801.9 ~32:02/06/2022;33:CN ~31:PCT/CN2023/085098 ~32:30/03/2023

2025/00007 ~ Provisional ~54:DIGITAL MESSAGE MANAGER SUITE ~71:Steven Young, DiamondBlack House, 36 Waterloo St. Bryanston, South Africa ~72: Steven Young;Steven Young~

2025/00004 ~ Provisional ~54:MUSIC SHARING AND LISTENING HUB" ~71:Leonard Sambo, 212/206 Block IA, South Africa ~72: Leonard Sambo~ 33:ZA ~31:1 ~32:24/12/2024

2025/00016 ~ Complete ~54:METHOD AND SYSTEM FOR EVALUATING FRUIT TREE RESOURCES BASED ON VISION AND SPECTRUM ~71:Shandong Fruit Tree Research Institute, No. 64 Longtan Road, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Fu Quanjuan;Hou Sen;Wan Jindong;Wei Guoqin;XuXia;Zhu Xueliang~ 33:CN ~31:2024115398778 ~32:31/10/2024

2025/00019 ~ Complete ~54:WILD EDIBLE FUNGI PRODUCTION CULTURE TANK ~71:Suzhou University, (Education Park Campus) No. 1769 Xuefu Avenue, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: FU, Yiwen;GAN, Yuze;LI, Lili;QU, Jiayi;SUN, Cailing;WANG, Zhangyu;WEI, Junhao;XIAO, Min;YANG, Min~

2025/00040 ~ Complete ~54:SINGLE EXPOSURE SUPER-RESOLUTION IMAGING METHOD AND DEVICE BASED ON STRUCTURED LIGHT AND DEEP LEARNING ~71:Xinyu University, No. 2666 Sunshine Avenue, Hightech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Cheng Xiaoyan;Dang Guoqing;Fu Kai;Peng Xiaobao;Sun Yanping;Zou Bin~

2025/00044 ~ Complete ~54:COMBINED PALEONTOLOGICAL IDENTIFICATION METHOD FOR PALEO-WATER DEPTH ~71:PetroChina Company Limited, No. 9 Dongzhimen North Street, Dongcheng District, Beijing City, 100007, People's Republic of China ~72: Chen Ruiyin;Wen Zhixin~

2025/00048 ~ Complete ~54:MULTIFUNCTIONAL SHELF ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: MENG Weiyang~

2025/00050 ~ Complete ~54:SYSTEM AND METHOD OF LARGE-SCALE BREEDING OF USSURI CISCO FRIES ~71:Heilongjiang River Fisheries Research Institute, Chinese Academy of Fishery Sciences, NO.232 Hesong Street, Daoli District, Harbin, Heilongjiang Province, 150070, People's Republic of China ~72: GE Kaibo;GU Wei;HUANG Tianqing;WANG Gaochao;XU Gefeng~

2025/00062 ~ Complete ~54:WASTE RECYCLING APPARATUS USED IN PRODUCTION OF SOLAR CELL PANEL COMPONENTS ~71:NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD, South Of Weiliu Road, Sanxiangliang Industrial Park, Dalate Banner, Ordos, Inner Mongolia, 014399, People's Republic of China ~72: LI, Yuqiang~ 33:CN ~31:202422736174.6 ~32:11/11/2024

2025/00064 ~ Complete ~54:AUXILIARY READING APPARATUS FOR LEARNING ETHICS FROM BILINGUAL CHILDREN'S LITERATURE ~71:Anqing Normal University, 128 Linghu South Road, Anqing City, Anhui Province, 246011, People's Republic of China ~72: WANG, Yingli;WU, Min~

2025/00122 ~ Provisional ~54:TRIPOD MECHANICAL STINGER ~71:DDT MECHANISED MINING SERVICES (PTY) LTD, UNIT 3A, HARBOUR PARK, 1059 SCHOONER RD, LASER PARK, South Africa ~72: DENNIS VAN NIEKERK ~

2025/00001 ~ Provisional ~54:SELF SUSTAINING WATER PUMP ~71:Stanley Lewis, 8 Jessem Street, South Africa ~72: Stanley Lewis~

2025/00061 ~ Complete ~54:BALL MILLING DEVICE FOR PRECIOUS METAL CATALYST ~71:NEI MONGOL SHENGLONG DADI TECHNOLOGY CO., LTD, South Of Weiliu Road, Sanxiangliang Industrial Park, Dalate Banner, Ordos, Inner Mongolia, 014399, People's Republic of China ~72: LI, Yuqiang~ 33:CN ~31:202422731209.7 ~32:11/11/2024

2025/00070 ~ Complete ~54:MODIFIED MANGANESE-BASED CATHODE MATERIAL, PREPARATION METHOD AND APPLICATIONS THEREOF ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.727, Jingming South Road, Chenggong District, Kunming City, People's Republic of China ~72: DONG, Peng;DUAN, Jianguo;ZHANG, Bao;ZHANG, Yannan;ZHANG, Yingjie~ 33:CN ~31:2024112195771 ~32:02/09/2024

2025/00003 ~ Provisional ~54:BCONVOY PUPIL E-HAILING TECHNOLOGY ~71:Collins Thomas Mgb, 22 Paulo Street Legae La Batho Polokwane, South Africa ~72: Collins Thomas Mgb~ 33:ZA ~31:N/A ~32:24/12/2024

2025/00014 ~ Complete ~54:MICROINJECTION CONTROL SYSTEM FOR INTRACRANIAL STEREOTACTIC INJECTION OF STEM CELLS INTO SD RATS ~71:THE AFFILIATED HOSPITAL OF GUIZHOU MEDICAL UNIVERSITY, No. 28 Guiyi Street, Guiyang City, Guizhou Province, 550004, People's Republic of China ~72: CHEN, Guangtang;CUI, Junshuan;HE, Longcai;SONG, Jiaquan;SONG, Wenxue;XIONG, Mingsong;XU, Kaya;ZHANG, Kun~

2025/00023 ~ Complete ~54:FUSION ANALYSIS METHOD FOR SYMMETRY OF FLOW FIELD ~71:Inner Mongolia University of Science and Technology, No.7 Arding Street, Baotou City, Inner Mongolia, 014010, People's Republic of China ~72: REN, Lei;YANG, Jichun;ZHANG, Xinfang;ZHOU, Mengcheng~

2025/00032 ~ Complete ~54:A SYNERGISTIC TREATMENT METHOD FOR ALUMINUM DROSS AND FLY ASH ~71:South China University of Technology, 382 Waihuan Road East, Guangzhou Higher Education Mega Centre, Guangzhou, Guangdong Province, 510006, People's Republic of China ~72: Gao Huiqin;Gao Wuyou;Huang Xingzhong;Lin Zhang;Liu Weizhen~ 33:CN ~31:2024117582200 ~32:03/12/2024

2025/00038 ~ Complete ~54:SCENE DISPLAY DEVICE FOR TOURISM ~71:Ji'an College, No. 133 Ji'an South Avenue, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: Li Yajuan;Liu Hong;Tang Jiaye;Wang Xiaohuan;Wei Hushen;Zhang Xiaohui;Zhu Yuanning~

2025/00058 ~ Complete ~54:A HIGH PERFORMANCE REDUCED GRAPHENE OXIDE/CARBON FIBER POSITIVE MATERIAL AND APPLICATION THEREOF IN ALUMINUM BATTERIES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAO Dao;CHEN Jianuo;JIE Chaoyang;LI Fengcui;LIU Chengyuan;LIU Lei;YIN Xupeng;ZHANG Shuaixiang~

2025/00082 ~ Complete ~54:CENTELLA ASIATICA LYSOZYME GEL RICH IN PLEUROTUS DIAMOR FRUITING BODY POLYPEPTIDE AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: BAO Chunxiang;LU Tie;TIAN Chenxi;WANG Fumei;XIE Zhaohui;YANG Yujia;YAO Ruoxiang~

2025/00092 ~ Complete ~54:SMART HOME CONTROL SYSTEM BASED ON BIG DATA ~71:HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE, No. 88 Fangxing Road, Yuhua District, Shijiazhuang, Hebei, 050026, People's Republic of China ~72: TIAN, Dongge~

2025/00105 ~ Complete ~54:MULTI-SPECIFIC ANTIBODY TARGETING BCMA, GPRC5D AND T CELLS AND APPLICATION THEREOF ~71:Shandong Simcere Biopharmaceutical Co., Ltd., No. 1, Heilongjiang Road, Yantai

Economic and Technological Development Zone, YANTAI 264006, SHANDONG, CHINA (P.R.C.), People's Republic of China ~72: CAO, Zhuoxiao;FU, Yayuan;LIAO, Jingli;TANG, Renhong;YOU, Shumei~ 33:CN ~31:202210631397.9 ~32:06/06/2022

2025/00052 ~ Complete ~54:A MULTI-AXLE COOPERATIVE STEERING DEVICE APPLIED TO NEW ENERGY VEHICLES ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: CHEN Yuyi~

2025/00011 ~ Provisional ~54:CLOSE LOOP POWER GENERATOR SYSTEM ~71:Willem Van der Merwe, 2 hills Street, South Africa ~72: Willem Van der Merwe~

2025/00017 ~ Complete ~54:COOLING DEVICE FOR QUENCHING HEAT TREATMENT OF ALLOY STEEL AND ITS USE METHOD ~71:LONGMEN LABORATORY, (Headquarter)No.1 Keji Avenue, Yibin District, Luoyang, Henan, 471023, People's Republic of China ~72: Baoning YU;Changji WANG;Cheng ZHANG;Chong CHEN;Feng MAO;Kunming PAN;Liujie XU;Ruxing SHI;Shizhong WEI;Tao JIANG;Xiaodong WANG;Yichou LIN~

2025/00027 ~ Complete ~54:EFFICIENT GREEN HEATING WATER HEATER SYSTEM BASED ON THE SYNERGISTIC DRIVE OF SOLAR ENERGY AND BIOGAS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Yongmei;HE Jianwei;JIN Junjie;LIU Yiran;REN Yifan;SUN Hailun;XIA Yuxing;ZHANG Wan~

2025/00031 ~ Complete ~54:LAKE INLET COMPOSITE WETLAND POLLUTANT FILTRATION AND REMOVAL DEVICE AND METHOD ~71:Qilu Lake Management Bureau, No. 203, Hubin Road, Xiushan Street, Tonghai County, Yuxi City, Yunnan Province, 652700, People's Republic of China;Southwest Forestry University, No.300, Bailongsi Area, Panlong District, Kunming City, Yunnan Province, 650224, People's Republic of China;Tonghai County Water Conservancy Bureau, No. 31, Liyue West Road, Xiushan Street, Tonghai County, Yuxi City, Yunnan Province, 652700, People's Republic of China;Yunnan Provincial Academy of Water Resources and Hydropower Sciences, South Section of Xinwen Road, Wujiadui County, Xishan District, Kunming City, Yunnan Province, 650100, People's Republic of China ~72: Haoliang Cheng;Jie Shen;Juan Zhu;Lei Zhang;Wen Jiang;Zhuo Yang~

2025/00045 ~ Complete ~54:JACKET-TYPE MOBILE DIFFERENTIAL PRESSURE PRECOOLING APPARATUS FOR FRUIT AND VEGETABLES ~71:Shanxi Agricultural University, 81 Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, 030031, People's Republic of China ~72: Jiao Xuan;Li Chao;Zhang Lixin~

2025/00059 ~ Complete ~54:ORGANIC POLLUTANT ADSORPTION AND FILTRATION DEVICE FOR AQUATIC VEGETABLE FLOATING ISLAND WETLAND ~71:Qilu Lake Management Bureau, No. 203, Hubin Road, Xiushan Street, Tonghai County, Yuxi City, Yunnan Province, 652700, People's Republic of China;Southwest Forestry University, No.300, Bailongsi Area, Panlong District, Kunming City, Yunnan Province, 650224, People's Republic of China;Tonghai County Water Conservancy Bureau, No. 31, Liyue West Road, Xiushan Street, Tonghai County, Yuxi City, Yunnan Province, 652700, People's Republic of China;Yunnan Provincial Academy of Water Resources and Hydropower Sciences, South Section of Xinwen Road, Wujiadui County, Xishan District, Kunming City, Yunnan Province, 650100, People's Republic of China ~72: Haoliang Cheng;Jie Shen;Juan Zhu;Lei Zhang;Wen Jiang;Zhuo Yang~

2025/00077 ~ Complete ~54:CLADDING MEANS AND A METHOD OF APPLYING CLADDING SAME TO A HOUSING ~71:STEVEN PETER SHORT, 752 26TH AVE, South Africa ~72: STEVEN PETER SHORT~

2025/00086 ~ Complete ~54:MOLECULAR METHOD FOR IDENTIFYING MUSCLE FIBERS BY USING MIRNA OF SKM-EXOS ~71:Southwest University, No.2 Tiansheng Road, Beibei District, Chongqing, People's Republic

of China ~72: Daiyu ZHANG;Jia LUO;Qiang PU;Taorun LUO;Zhenhao WEN~ 33:CN ~31:202410727082.3
~32:06/06/2024

2025/00095 ~ Complete ~54:THERAPEUTIC COMPOUNDS AND METHODS ~71:ACTIO BIOSCIENCES, INC.,
10945 Vista Sorrento Pkwy, Suite 150, United States of America ~72: KATANA, Ashley;LINK, John Otto~ 33:US
~31:63/359,715 ~32:08/07/2022;33:US ~31:63/385,282 ~32:29/11/2022

2025/00101 ~ Complete ~54:BENDING METHOD FOR SEALED-FILLER-TYPE SPACER BAR FOR
INSULATING GLASS UNIT ~71:SHANDONG NATERGY ENERGY TECHNOLOGY CO., LTD., -2 Mintai Rd.,
Phase II, Minying Park, Zibo Hi-New Tech Industrial Development Zone, People's Republic of China ~72: GAO,
Wei~ 33:CN ~31:202210779496.1 ~32:04/07/2022

2025/00108 ~ Complete ~54:PROCESS FOR AN INSTANT FRIED NOODLE ~71:Société des Produits Nestlé
S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BHANDARI, Amarinder Pal
Singh;SHARMA, Ashwini Kumar;SINGH, Om Prakash;SINGH, Sukhpal~ 33:IN ~31:202211033829
~32:13/06/2022;33:EP ~31:22188473.7 ~32:03/08/2022

2025/00049 ~ Complete ~54:EXPERIMENTAL EQUIPMENT FOR MEASURING ROCK MECHANICAL
PROPERTIES ~71:LUDONG UNIVERSITY, NO.186, Middle Hongqi Road, Zhifu District, Yantai City, Shandong,
People's Republic of China ~72: CHU Shiqin;ZHOU Hong;ZHOU Jianbo~

2025/00054 ~ Complete ~54:COLUMN AIR CATHODE BIOMASS FUEL CELL AND PREPARATION METHOD
THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District,
Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: NIU Zhehui;WANG Shuai;ZHANG
Xinhui;ZHAO Xingtiao~

2025/00063 ~ Complete ~54:FLAT GRANULE BEDDING MATERIAL AND PREPARATION METHOD AND USE
THEREOF ~71:Zhejiang Academy of Agricultural Sciences, 298 Desheng Middle Road, Hangzhou City, Zhejiang
Province, 310009, People's Republic of China ~72: CHENG, Jufen;ZHANG, Li;ZHENG, Huichao;ZHOU, Xin~

2025/00069 ~ Complete ~54:COOLING BED AND METHOD FOR IMPROVING STRAIGHTNESS OF HOT-
ROLLED METALLIC ROUND BAR ~71:HBIS COMPANY LIMITED, No. 385, Sports South Street, Shijiazhuang
City, People's Republic of China;HBIS GROUP CO., LTD., No. 385, Sports South Street, Shijiazhuang
City, People's Republic of China;HEBEI HEGANG MATERIAL TECHNOLOGY RESEARCH INSTITUTE CO., LTD, No.
15 Yangzi Road, Shijiazhuang Economic and Technological Development Zone, Gaocheng District, Shijiazhuang
City, People's Republic of China ~72: CHEN, Zhenye;DAI, Guanwen;HUANG, Shengyong;LI, Fuyong;LIANG,
Aiguo;LIU, Yong;QI, Jianjun;SUN, Yan;WANG, Yan;ZHANG, Zhixin~ 33:CN ~31:202411213890.4
~32:31/08/2024

2025/00072 ~ Complete ~54:METHOD FOR PREPARING SPINEL MANGANESE-BASED CATHODE
MATERIAL WITH MOLTEN SALT ASSISTANCE ~71:KUNMING UNIVERSITY OF SCIENCE AND
TECHNOLOGY, No.727, Jingming South Road, Chenggong District, Kunming City, People's Republic of China
~72: DONG, Peng;LIANG, Zhen;SONG, Weili;ZHANG, Bao;ZHANG, Yannan;ZHANG, Yingjie~

2025/00091 ~ Complete ~54:A METHOD FOR PRODUCING A PELLETT ~71:BINDING SOLUTIONS LTD,
Materials Processing Institute, United Kingdom ~72: HUNTER, James;JOYCE, Richard~ 33:GB ~31:2211016.7
~32:28/07/2022

2025/00096 ~ Complete ~54:REGULATORY SEQUENCES COMPRISING MicroRNA TARGET SITES
~71:SENSORION, 375 rue du Professeur Joseph Blayac, France ~72: BOUDRA, Rafik;DÉSIRÉ, Laurent;GIESE,
Arnaud;VIDAL, Patrice~ 33:EP ~31:22306028.6 ~32:08/07/2022

2025/00103 ~ Complete ~54:COMBINATION THERAPY OF ANTI-PD-1 ACTIVE AGENT, ANTI-TIM-3 ACTIVE AGENT, AND ANTI-LAG-3 ACTIVE AGENT FOR TREATING CANCER ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: CONDAMINE, Thomas;DONG, Zhiwan;HELLER, Kevin N.;HOYLE, Paul E.;JANIK, John E.;SRINIVASAN, Nithya~ 33:US ~31:63/349,876 ~32:07/06/2022;33:US ~31:63/405,243 ~32:09/09/2022

2025/00119 ~ Complete ~54:BS ARCHITECTURE-BASED TRANSMISSION LINE CLOUD DESIGN METHOD AND SYSTEM ~71:STATE GRID HUNAN ELECTRIC POWER COMPANY LIMITED, 398 Xinshao East Road, Tianxin District, Changsha, Hunan, 410004, People's Republic of China;State Grid Corporation of China, No. 86, West Chang'an Street, Xicheng District, Beijing, 100000, People's Republic of China;State Grid Hunan Yueyang County Electric Power Supply Company, The Intersection of Yueyang Avenue and Xuyuan Road, Yueyang, Hunan, 414000, People's Republic of China;YUEYANG ELECTRIC POWER SURVEY AND DESIGN INSTITUTE COMPANY LIMITED, Electric Power Bureau Courtyard, No. 7 Gongnong Road, Wulipai, Yueyang City, Hunan Province, People's Republic of China ~72: GAN, Xing;JIANG, Zhiwen;WANG, Tao;WU, Yi;XU, Chang;YAN, Di;YAO, Zhenyu;ZHANG, Li;ZHOU, Chuanyi~ 33:CN ~31:202410719576.7 ~32:05/06/2024

2025/00075 ~ Complete ~54:METHOD FOR ALKALINE LEACHING OF SODIUM HYPOCHLORITE OXIDATION AND PHOSPHATE SYNCHRONOUSLY FROM LOW-GRADE TUNGSTEN-MOLYBDENUM ORE ~71:NORTHEASTERN UNIVERSITY, No.11, Lane 3, Wenhua Road, Heping District, Shenyang City, People's Republic of China ~72: KANG, Jian;TONG, Linlin;XIONG, Bin;YANG, Hongying~ 33:CN ~31:2024104407580 ~32:12/04/2024

2025/00078 ~ Complete ~54:AN E-COMMERCE LIVE BROADCAST MULTI-DIRECTIONAL DISPLAY DEVICE ~71:Jiaxing Vocational and Technical College, Jiaxing Vocational and Technical College, No.547, Tongxiang Road, Xiuzhou District, Jiaxing City, Zhejiang Province, 314000, People's Republic of China ~72: Ai Ke;Jianing Shan;Jiao Wang;Jiaping Shi;Yixin Chen;Yu Chen~

2025/00083 ~ Complete ~54:FLOATING MUD DETECTION AND SAMPLING DEVICE AND SAMPLING METHOD ~71:No.801 Hydro-engineering Geological Brigade of Shandong Provincial Bureau of Geology and Mineral Resources, No. 13632 Jingshi Road, Yaojia Street, Lixia District, Jinan City, Shandong Province, People's Republic of China;Shandong Provincial Institute of Physical and Chemical Exploration, No. 56 Lishan Road, Jinan City, Shandong Province, People's Republic of China ~72: LEI Yanxiang;LIU Chuane;LIU Xiaofang;WU Min;ZHANG Pengpeng;ZHANG Yanhui~

2025/00087 ~ Complete ~54:RESEARCH METHOD FOR SKM-EXOS THAT PROMOTE PROLIFERATION AND DIFFERENTIATION OF MYOBLASTS ~71:Southwest University, No.2 Tiansheng Road, Beibei District, Chongqing, People's Republic of China ~72: Daiyu ZHANG;Jia LUO;Qiang PU;Taorun LUO;Zhenhao WEN~ 33:CN ~31:2024105808386 ~32:11/05/2024

2025/00099 ~ Complete ~54:PEPTIDE INHIBITOR AND USE THEREOF ~71:CHENGDU BRILLIANT INSPIRATION BIOTHERAPEUTICS CO., LTD, 1st, 1F, Building 1, No. 15, Gaopeng Avenue, High-tech Zone Chengdu, People's Republic of China ~72: CHEN, Rui;DING, Yi;JIANG, Qiu;LI, Xiaomei~ 33:CN ~31:202210727988.6 ~32:23/06/2022

2025/00110 ~ Complete ~54:MACROCYCLIC INHIBITORS OF KRAS FOR THE TREATMENT OF CANCER ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: CHEN, Jianguo;LIU, Haixia;SHEN, Hong;ZHANG, Weixing;ZHU, Wei~ 33:IB ~31:2022/103694 ~32:04/07/2022;33:IB ~31:2022/124638 ~32:11/10/2022;33:IB ~31:2023/070765 ~32:05/01/2023;33:IB ~31:2023/087633 ~32:11/04/2023

2025/00120 ~ Complete ~54:VEHICLE BODY SUPPORT FOR MOUNTING BATTERY PACK AND ELECTRIC VEHICLE ~71:AULTON NEW ENERGY AUTOMOBILE TECHNOLOGY CO., LTD., Block 1, Room 606, No. 1 Yichuang Street, China-Singapore Guangzhou Knowledge City, Huangpu District, Guangzhou, Guangdong 510700, People's Republic of China;SHANGHAI DIANBA NEW ENERGY TECHNOLOGY CO., LTD., Building 1-6, No. 4766, Jiangshan Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai 201306, People's Republic of China ~72: WANG, Kaifeng;ZHANG, Jianping;ZHU, Ming~ 33:CN ~31:202210772358.0 ~32:30/06/2022

2025/00046 ~ Complete ~54:PHARMACEUTICAL MOLECULE KNOWLEDGE INTERACTION SYSTEM BASED ON KNOWLEDGE BASE AND LARGE LANGUAGE MODEL ~71:Zunyi Normal University, ZNU, No. 6, Pingan Da Road, Zunyi City, Guizhou Province, 563006, People's Republic of China ~72: Huang Chuanteng;Liu Yanmin;Ouyang Aijia;Wang Qian;Zeng Qingyu~

2025/00067 ~ Complete ~54:PUNCTURE ROBOT AND PUNCTURE SYSTEM FOR COLLABORATIVE DELIVERY OF GUIDEWIRE AND CATHETER, AND CONTROL METHOD ~71:TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 9, Thirteenth Street, Tianjin Economic and Technological Development Zone, Binhai New Area, People's Republic of China ~72: BI, Yushu;GUO, Xiaoyan;LI, Zhengyang;LU, Hao;WANG, Jin;WANG, Xin;ZHANG, Dawei;ZHANG, Shichang;ZHANG, Wenjiong~ 33:CN ~31:202410591100.X ~32:13/05/2024

2025/00073 ~ Complete ~54:PREPARATION METHOD FOR OPTIMIZING INTERFACE OF CATHODE MATERIAL FOR LITHIUM-ION BATTERIES WITH SOLVATION METHOD ~71:KUNMING UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.727, Jingming South Road, Chenggong District, Kunming City, People's Republic of China ~72: DONG, Peng;ZHANG, Bao;ZHANG, Enfeng;ZHANG, Yannan;ZHANG, Yingjie~

2025/00080 ~ Complete ~54:A PUBLICITY PLATFORM FOR IDEOLOGICAL AND POLITICAL EDUCATION ~71:Jiaxing Vocational and Technical College, Jiaxing Vocational and Technical College, No.547, Tongxiang Road, Xiuzhou District, Jiaxing City, Zhejiang Province, 314000, People's Republic of China ~72: Ai Ke;Jianing Shan;Jiao Wang;Jiaping Shi;Yixin Chen;Yu Chen~

2025/00111 ~ Complete ~54:NON-METAL LINER AND ELECTRIC WATER HEATER HAVING SAME ~71:Haier Smart Home Co., Ltd., No. 1, Haier Road, Laoshan District, QINGDAO 266101, SHANDONG, CHINA (P.R.C.), People's Republic of China;Qingdao Economic and Technological Development District Haier Water Heater Co., Ltd., Haier Industrial Park, Huangdao City, QINGDAO 266510, SHANDONG, CHINA (P.R.C.), People's Republic of China ~72: DU, Fanglin;LI, Yong;MA, Teng;YU, Yongfei;ZENG, Xianmang;ZHAO, Long;ZHAO, Xiaoyong~ 33:CN ~31:202210624531.2 ~32:02/06/2022;33:CN ~31:202221387758.1 ~32:02/06/2022

2025/00116 ~ Complete ~54:ANTI-CLDN18.2 ANTIBODY, AND PHARMACEUTICAL COMPOSITION AND USE THEREOF ~71:AKESO BIOPHARMA, INC., 6 Shennong Road, Torch Development Zone Zhongshan, Guangdong, 528437, People's Republic of China ~72: BAIYONG LI;PENG ZHANG;YU XIA;ZHONGMIN WANG~ 33:CN ~31:202210676083.0 ~32:15/06/2022;33:CN ~31:202211211390.8 ~32:30/09/2022

- APPLIED ON 2025/01/03 -

2025/00148 ~ Complete ~54:AGROCHEMICAL FORMULATIONS COMPRISING CRYSTALLINE FORM A OF 4-[(6-CHLORO-3-PYRIDYLMETHYL)(2,2-DIFLUOROETHYL)AMINO]FURAN-2(5H)-ONE ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: DAVIS, Matthew;EGGER, Holger;GERTZMANN, Rolf;KEIL, Birgit;OLENIK, Britta;PERIS URQUIJO, Gorka;PRZYBYLA, David;RIST, Marc Andre~ 33:US ~31:63/349,349 ~32:06/06/2022;33:EP ~31:22180062.6 ~32:21/06/2022

2025/00127 ~ Complete ~54:IMAGE ENHANCEMENT METHOD BASED ON GAUSSIAN BLUR PROCESSING ~71:Zhengzhou University of Aeronautics, No.2, Middle University Road, Erqi District, Zhengzhou City, Henan Province, People's Republic of China ~72: Dayong WU;Erbao FENG;Fang YAN;Junhui ZHU;Litao ZHANG;Xia LIU;Xin LIAO;Yifan ZHANG;Yingchao ZHAO;Yongwei ZHOU;Zhanwei WANG~

2025/00133 ~ Complete ~54:A POLYURETHANE COATING MATERIAL AND COATED FERTILIZER ~71:Shandong Academy of Agricultural Sciences, No. 23788 Gongye North Road, Licheng District, Jinan City, Shandong Province, People's Republic of China ~72: BO Lujji;JING Yongping;LI Yan;LIU Zhaodong;MA Pan;SUN Ming;ZHANG Yingpeng;ZHONG Ziwen~ 33:CN ~31:2024110917256 ~32:09/08/2024

2025/00126 ~ Complete ~54:PROCESSING TECHNOLOGY FOR RADIX ACONITI KUSNEZOFFII MEDICINAL MATERIAL ~71:INNER MONGOLIA MEDICAL UNIVERSITY, INNER MONGOLIA MEDICAL UNIVERSITY, JINSHAN AVENUE, People's Republic of China ~72: BAO, Lechaolu;Nashengsang;WU, Siqinbilige;Wulanqiqige~

2025/00129 ~ Complete ~54:LUBRICATION STATE DETERMINATION METHOD BASED ON CURVE SIMILARITY AND COMPUTER STORAGE MEDIUM ~71:HAINAN TROPICAL OCEAN UNIVERSITY, No.1 Yucai Road, Sanya City, Hainan Province, 572099, People's Republic of China ~72: YU, Haijie~

2025/00130 ~ Complete ~54:PIPE HOLE DRILLING APPARATUS FOR MECHANICAL PROCESSING ~71:Zhengzhou University of Aeronautics, No.2, Middle University Road, Erqi District, Zhengzhou City, Henan Province, People's Republic of China ~72: Axiang ZHOU;Hehuan ZHU;Shuai ZHOU;Xiuli WANG;Yonghui WEI~

2025/00135 ~ Complete ~54:PROBIOTICS OF PIG CONSISTING OF LACTOBACILLUS PARACASEI, LACTOBACILLUS HARBINENSIS, LACTOBACILLUS BUCHNERI AND PICHIA DESERTICOLAICOLA ~71:LESHAN NORMAL UNIVERSITY, 778 Binhe Road, Shizhong District, Leshan City, Sichuan Province, 614000, People's Republic of China;Sichuan Meishan Wanjiachao Feedstuff Co., Ltd., Group 1, Longan Village, Taihe Town, Dongpo District, Meishan City, Sichuan Province, 620010, People's Republic of China ~72: DAI Fawen;GONG Mingfu;GUAN Qinlan;LI Xia~

2025/00136 ~ Complete ~54:INTELLIGENT, EFFICIENT, GREEN AND LOW-CARBON SLUDGE DISCHARGING AND CLEANING DEVICE FOR SEDIMENTATION TANK ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Deming;KANG Haiyan;LI Lei;MAO Yanli;PAN Hongwei;RONG Haoxiang;SU Zhe;WANG Quanjun~

2025/00142 ~ Complete ~54:PREPARATION AND PURIFICATION OF CIS-2-ALKENOIC ACIDS ~71:BROMINE COMPOUNDS LTD., P.O. Box 180, Israel ~72: AYALON, Ari;CHINKOV, Nicka;OREN, Jakob;YAHALOMI SEGUI, Ronit;YASSIN, Nasif~ 33:US ~31:63/350,045 ~32:08/06/2022

2025/00155 ~ Complete ~54:AUDIO ENCODING/DECODING METHOD AND APPARATUS, STORAGE MEDIUM, AND COMPUTER PROGRAM PRODUCT ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: DU, Chunhui;FAN, Fan;FENG, Bin;WANG, Zhuo~ 33:CN ~31:202210892837.6 ~32:27/07/2022;33:CN ~31:202211139716.0 ~32:19/09/2022

2025/00152 ~ Complete ~54:MACROCYCLIC BCL6 DEGRADERS ~71:Dana-Farber Cancer Institute, Inc., 450 Brookline Ave., BOSTON 02215-5450, MA, USA, United States of America ~72: CHE, Jianwei;HUANG, Huang;JONES, Lyn Howard;KONG, Nikki;LIU, Yingpeng~ 33:US ~31:63/396,381 ~32:09/08/2022;33:US ~31:63/432,580 ~32:14/12/2022;33:US ~31:63/465,584 ~32:11/05/2023

2025/00158 ~ Complete ~54:RECOMBINANT MODIFIED SARNA (VRP) AND VACCINIA VIRUS ANKARA (MVA) PRIME-BOOST REGIMEN ~71:BAVARIAN NORDIC A/S, Philip Heymans Alle 3, 2900, Hellerup, Denmark ~72: ALEXANDER HEISEKE;ARIANE VOLKMANN;JOSÉ MEDINA ECHEVERZ;JÜRGEN HAUSMANN;ROBIN STEIGERWALD;SONIA WENNIER~ 33:EP ~31:22181968.3 ~32:29/06/2022

2025/00132 ~ Complete ~54:METHODS FOR IMPROVING THE SALINE-ALKALI SOIL OF LYDUM CHINENSE MIL1 ECOLOGICAL FOREST ~71:Northeast Institute of Geography and Agroecology, Chinese Academy of Sciences, 4888 Shengbei Street, Changchun City, Jilin Province, 130102, People's Republic of China ~72: CHEN Guoshuang~

2025/00137 ~ Complete ~54:COMPUTERIZED NUMERICAL CONTROL MACHINE TOOL TRAINING OPERATION PLATFORM ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: MENG Weiyang~

2025/00139 ~ Complete ~54:SUBSTATION PILE FOUNDATION UPLIFT LOAD CALCULATION METHOD, COMPUTER DEVICE, AND COMPUTER READABLE STORAGE MEDIUM ~71:FOSHAN ELECTRIC POWER DESIGN INSTITUTE CO., LTD., No.41 Zhongxin Road, Shiwan, Chancheng District, Foshan City, People's Republic of China ~72: Hongliang LAI;Li LONG;Nana LV;Ruiqi LI;Xiaolan LU;Xujian DENG;Yanmin LIU;Yuanjing Ji;Zhiyang DU~ 33:CN ~31:2024105449769 ~32:06/05/2024

2025/00145 ~ Complete ~54:PLANT AND PROCESS FOR PRODUCING A SOLID-STATE ALKALI METAL CYANIDE PRODUCT CONTAINING ALKALI METAL HYDROXIDE ~71:CYPLUS GMBH, DEUTSCHE-TELEKOM-ALLEE 9, 64295 DARMSTADT, GERMANY, Germany ~72: JAFELD, Markus;STRUFFERT, Ralf~ 33:DE ~31:10 2022 002 086.6 ~32:10/06/2022

2025/00154 ~ Complete ~54:ANTI-FUNGAL ANTIBODIES BINDING TO BETA GLUCAGON ~71:K BIO Holdings Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BRENNAN, Miles;FRENZEL, André;HAMORSKY, Krystal;KÜGLER, Jonas;PAULY, Michael;ROYAL, Joshua;STEVENS, Sean~ 33:US ~31:63/388,781 ~32:13/07/2022;33:GB ~31:2307285.3 ~32:16/05/2023

2025/00161 ~ Complete ~54:ANG-2/VEGF ANTIBODIES AND USES THEREOF ~71:REVOPSIS THERAPEUTICS, INC., 4109 Chandlerwood Road, Springfield, United States of America ~72: BHANDARI, Ramanath;BHATT, Ramesh;PALANKI, Ram Prashanth;XU, Li~ 33:US ~31:63/388,538 ~32:12/07/2022

2025/00128 ~ Complete ~54:CLAMPING DISPLAY DEVICE FOR AUTOMOBILE MODULE TEACHING ~71:Jiaxing Vocational & Technical College, 547 Tongxiang Avenue, Jiaxing City, Zhejiang Province, People's Republic of China ~72: MENG Weiyang~

2025/00134 ~ Complete ~54:TRANSLATION METHOD AND SYSTEM OF ENGLISH PROFESSIONAL TERMS BASED ON KNOWLEDGE GRAPH ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: GE Jing;SHI Chunyan;YU Ruixue~

2025/00138 ~ Complete ~54:AUXILIARY SUPPORT FRAME FOR MEDICAL ANESTHESIA ~71:HANGZHOU MEDICAL COLLEGE, No.8, Yikang Street, Jinnan Street, Lin'an District, Hangzhou, People's Republic of China ~72: HE, Yiyun;ZHANG, Jiaying~

2025/00141 ~ Complete ~54:PREPARATION OF SOLID LIPID NANOPARTICLES FOR ENHANCED CELECOXIB DRUG DELIVERY ~71:Dr. KIRAN CHANDRAKANT MAHAJAN, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Mr. ADITYA RAJENDRA SURYAWANSHI, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Mr. SUSHANT SANTOSH GAIKWAD, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune,

Maharashtra, 410504, India;Ms. ASHLESHA JITENDRA BHUJBAL, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Ms. DIVYA MAHADU MAVKAR, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Ms. KHUSHI BALASAHEB AMBRE, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Ms. MAMATA GURUNATH VISHE, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Ms. SIDDHI BHAUSAHEB WAVHAL, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India;Ms. SUJATA MARUTI SHENDAGE, SGMSPM's Sharadchandra Pawar College of Pharmacy, Dumbarwadi, Pune, Maharashtra, 410504, India ~72: Dr. KIRAN CHANDRAKANT MAHAJAN;Mr. ADITYA RAJENDRA SURYAWANSHI;Mr. SUSHANT SANTOSH GAIKWAD;Ms. ASHLESHA JITENDRA BHUJBAL;Ms. DIVYA MAHADU MAVKAR;Ms. KHUSHI BALASAHEB AMBRE;Ms. MAMATA GURUNATH VISHE;Ms. SIDDHI BHAUSAHEB WAVHAL;Ms. SUJATA MARUTI SHENDAGE~

2025/00144 ~ Complete ~54:PLASMA-CREATED BARRIERS FOR PACKAGING ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: FREIRE CORREA, Mateus;HIRTH, Sabine;KELLERMEIER, Matthias;LANGER, Nicolle~ 33:EP ~31:22178306.1 ~32:10/06/2022

2025/00147 ~ Complete ~54:COFFEE BREWING APPARATUS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BLUNIER, Jean-Daniel;FLICK, Jean-Marc;MARANDET, Carine;POLSTER, Johannes~ 33:EP ~31:22178274.1 ~32:10/06/2022

2025/00146 ~ Complete ~54:METHOD FOR CONVERTING THERMAL ENERGY INTO DISSOCIATION ENERGY OF MOLECULES OF A GAS MEDIUM AND A DEVICE FOR IMPLEMENTING SAME ~71:SUN2H AG, MARKTGASSE 11, 8302 KLOTEN, SWITZERLAND, Switzerland ~72: ISAEV, Alexander~

2025/00156 ~ Complete ~54:INTRANASAL ADMINISTRATION OF A POLYCLONAL BLOOD DERIVATIVE DIRECTED AGAINST A PATHOGEN AGENT FOR THE PREVENTION AND/OR TREATMENT OF AN AIRBORNE DISEASE ~71:PREVOR INTERNATIONAL, 12 rue Pierre Pilon, 95690, Nesles-la-Vallee, France ~72: DANIEL DESMECHT;JOËL BLOMET~ 33:EP ~31:22305867.8 ~32:14/06/2022

2025/00150 ~ Complete ~54:FORMULATIONS COMPRISING AN IMMUNOGLOBULIN-LIKE TRANSCRIPT 7 (ILT7)-BINDING PROTEIN ~71:Viela Bio, Inc., 1 Horizon Way, DEERFIELD 60015, IL, USA, United States of America ~72: CASIANO-MATOS, Jennifer;DEPAZ, Roberto~ 33:US ~31:63/369,567 ~32:27/07/2022

2025/00159 ~ Complete ~54:EPSTEIN-BARR-VIRUS VACCINE ~71:BAVARIAN NORDIC A/S, Philip Heymans Alle 3, 2900, Hellerup, Denmark ~72: ARIANE VOLKMANN;HENNING LAUTERBACH;JÜRGEN HAUSMANN;MARKUS KALLA;ROBIN STEIGERWALD~ 33:EP ~31:22181959.2 ~32:29/06/2022

2025/00125 ~ Provisional ~54:METHOD OF PROCESSING A NO-ADDED SUGAR, NO-COOK FRUIT/VEGETABLE/PLANT SPREAD/CONDIMENT ~71:ANDRE STRYDOM, 22 DENNEKAMP, 359 MAIN RD, KENILWORTH, South Africa ~72: ANDRE STRYDOM~ 33:ZA ~31:282828 ~32:02/01/2025

2025/00131 ~ Complete ~54:FINGERPRINT KEY ACQUISITION SYSTEM BASED ON GRAYSCALE COVARIANCE MATRIX ~71:Zhengzhou University of Aeronautics, No.2, Middle University Road, Erqi District, Zhengzhou City, Henan Province, People's Republic of China ~72: Dayong WU;Erbao FENG;Fang YAN;Junhui ZHU;Litao ZHANG;Xia LIU;Xin LIAO;Yifan ZHANG;Yingchao ZHAO;Yongwei ZHOU;Zhanwei WANG~

2025/00140 ~ Complete ~54:METHODS OF TREATING MYELODYSPLASTIC SYNDROME ~71:GERON CORPORATION, 149 Commonwealth Drive, Menlo Park, California, 94025, United States of America ~72: ALEKSANDRA RIZO;JACQUELINE CIRILLO BUSSOLARI~ 33:US ~31:62/538,315 ~32:28/07/2017;33:US ~31:62/595,329 ~32:06/12/2017;33:US ~31:62/685,542 ~32:15/06/2018

2025/00143 ~ Complete ~54:A METHOD, AN APPARATUS AND A COMPUTER PROGRAM PRODUCT FOR ENCODING AND DECODING OF DIGITAL MEDIA CONTENT ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: AMINLOU, Alireza;LAINEMA, Jani~ 33:FI ~31:20225498 ~32:07/06/2022

2025/00157 ~ Complete ~54:DOSAGE REGIMENS FOR TREATING MULTIFOCAL MOTOR NEUROPATHY (MMN) ~71:ARGENX BV, Industriepark-Zwijnaarde 7, 9052 Zwijnaarde (Ghent), Belgium ~72: INGE VAN DE WALLE;STEFAAN ROSSENU~ 33:US ~31:63/368,428 ~32:14/07/2022

2025/00149 ~ Complete ~54:NOVEL COMPOUND, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME AS ACTIVE INGREDIENT ~71:SapiensBio Inc., 910-ho, 148 Sagimakgol-ro, Jungwon-gu, SEONGNAM-SI 13207, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: AN, Sihyeon;LEE, Hyunseung;LEE, Myongwoo;PARK, Yeonkyeong;RYOO, Kanghyun;RYU, Incheol;YOON, Dong-Oh~ 33:KR ~31:10-2022-0070989 ~32:10/06/2022;33:KR ~31:10-2023-0074884 ~32:12/06/2023

2025/00151 ~ Complete ~54:GLASS BLANK MOLD AND RELATED METHODS ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: NEWSOM, Daniel;SEVERSON, Peter~ 33:US ~31:17/946,225 ~32:16/09/2022

2025/00153 ~ Complete ~54:CAS EXONUCLEASE FUSION PROTEINS AND ASSOCIATED METHODS FOR EXCISION, INVERSION, AND SITE SPECIFIC INTEGRATION ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: SHI, Wan;XU, Jianping~ 33:CN ~31:202210718723.X ~32:23/06/2022

2025/00160 ~ Complete ~54:METHOD FOR SAFE UTILIZATION OF HG/CD CO-CONTAMINATED PADDY FIELDS ~71:ZHEJIANG UNIVERSITY, 866 Yuhangtang Road, Xihu District, Hangzhou, People's Republic of China ~72: CHEN, Simin;FANG, Kaikai;HE, Yan;SHI, Jiachun;WANG, Jian~ 33:CN ~31:202311468051.2 ~32:07/11/2023

- APPLIED ON 2025/01/06 -

2025/00169 ~ Complete ~54:MEAL REPLACEMENT FOOD BASED ON THE BIDIRECTIONAL FERMENTATION OF OUDEMANSIELLA RAPHANIPIES AND PEANUTS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CUI Weizheng;GAO Zhaojia;LU Tie;LUO Xiang;WANG Feiran;WANG He;WANG Qiyuan;XIE Zhaohui~

2025/00203 ~ Complete ~54:CONTRACTILE INJECTION SYSTEM AND USE THEREOF ~71:KØBENHAVNS UNIVERSITET, Nørregade 10, 1165 Copenhagen K, Denmark ~72: EVA MARIA REBROVA;NICHOLAS TAYLOR~ 33:EP ~31:22182318.0 ~32:30/06/2022

2025/00164 ~ Complete ~54:DYNAMIC PREDICTION METHOD FOR FLIGHT DEPARTURE TIME, DYNAMIC PREDICTION SYSTEM FOR FLIGHT DEPARTURE TIME AND STORAGE MEDIUM ~71:Civil Aviation University of China, No. 2898 Jinbei Road, Dongli District, Tianjin, 300300, People's Republic of China ~72: CUI, Yanyu;DING, Qingmiao;MA, Linyan~

2025/00166 ~ Complete ~54:METHOD FOR INHIBITING VIGOROUS GROWTH OF SUMMER SHOOTS OF POMELO FRUIT TREES ~71:Jiangxi Agricultural University, No. 1101 Fangzhimin Avenue, Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: HU, Wei;KUANG, Liuqing;LIU, Dechun;LIU, Yong;SONG, Jie;WEI, Qingjiang;XIONG, Zhonghua;YANG, Li~

2025/00175 ~ Complete ~54:A METHOD AND A SYSTEM FOR DIGITAL DISPLAY OF TRADITIONAL VILLAGE RESIDENTIAL LANDSCAPE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CUI Mingming;DANG Wei;HUANG Wei;LI Jiang;REN Huijuan;WU Wanying~

2025/00177 ~ Complete ~54:REAL ESTATE LEGAL TRAINING SYSTEM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HE Xiaoli;WANG Shihan;WANG Xiaoyong;ZHANG Haopeng;ZHANG Qiang;ZHANG Xiaojuan;ZHAO Kehui~

2025/00205 ~ Complete ~54:PROTOPORPHYRINOGEN OXIDASE (PPO) RESISTANCE PLANT ~71:PLANTARC BIO LTD., 23b Hateena Street, Israel ~72: BECHAR, Daniel;COHEN, Tal;GRIMBERG, Noam;KATZ, Aviva;MANDELBAUM, Martin;SHALITIN, Dror~ 33:US ~31:63/393,933 ~32:31/07/2022;33:US ~31:63/423,001 ~32:06/11/2022

2025/00174 ~ Complete ~54:A OPEN GRADING DRAINAGE WEARING LAYER ADDING BASALT FIBER ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Hao;GAO Wenying;LI Guobin;LUO Yangyang;QIN Chongsen;XU Bo;YAO Liyang~

2025/00179 ~ Complete ~54:CONSTRUCTING METHOD OF TRNA EMPIRICAL EVOLUTION MODEL ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHANG Huihui;HOU Wenting;LIU Xinhui;LU Guangyi;WU Miao;XIE Zhaohui~

2025/00200 ~ Complete ~54:QUINOLONE BCL6 BIFUNCTIONAL DEGRADERS ~71:TREELINE BIOSCIENCES, INC., 500 Arsenal Street Watertown, Massachusetts, 02472, United States of America ~72: JEFFREY A ENGELMAN;JOEL D LEVERSON;JOSHUA D HANSEN;KEVIN M OBERG;KRISTIN D SCHLEICHER;MARK A NAGY;MATTHEW H MCNEILL;MING YAN;TAMI J MARRONE~ 33:US ~31:63/351,697 ~32:13/06/2022;33:US ~31:63/351,715 ~32:13/06/2022;33:US ~31:63/395,630 ~32:05/08/2022;33:US ~31:63/395,638 ~32:05/08/2022;33:US ~31:63/420,411 ~32:28/10/2022;33:US ~31:63/420,421 ~32:28/10/2022;33:US ~31:63/444,778 ~32:10/02/2023;33:US ~31:63/444,801 ~32:10/02/2023;33:US ~31:63/497,063 ~32:19/04/2023;33:US ~31:63/501,082 ~32:09/05/2023

2025/00206 ~ Complete ~54:SALTS OF OBICETRAPIB AND PROCESSES FOR THEIR MANUFACTURE AND INTERMEDIATES THEREOF ~71:NEWAMSTERDAM PHARMA B.V., Gooimeer 2-35, Netherlands ~72: BORTHS, Christopher, J.;CUI, Sheng;KISHIDA, Muneki;RÖTHELI, Andreas, René;SMOLENSKAYA, Valeriya Nikolayevna~ 33:US ~31:63/358,363 ~32:05/07/2022

2025/00171 ~ Complete ~54:MOTION ARRESTER ~71:UKUGALELA TRUST, 17 Sardinia Drive, Capri Village, Sunnysdale, South Africa ~72: STEPHENSON, Cuan Heldrey~

2025/00173 ~ Complete ~54:A SAMPLE PREPARATION METHOD FOR INFRARED SPECTRUM ANALYSIS OF ASPHALT-BASED MATERIALS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Hao;GAO Wenying;LI Guobin;YAO Liyang;ZHANG Junguan~

2025/00188 ~ Complete ~54:IL-12 VARIANTS, ANTI-PD1 ANTIBODIES, FUSION PROTEINS, AND USES THEREOF ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: APGAR, James Reasoner;CHAPARRO RIGGERS, Javier Fernando;CHU, Ling Hon Matthew;HUANG, Tzu-Hsuan;MOHAN, Kritika;MOSYAK, Lidia;PASCUA, Edward Derrick;PATTERSON, James

Travis;STARBECK-MILLER, Gabriel Roy;ZAJONC, Dirk Michael~ 33:US ~31:63/353,241 ~32:17/06/2022;33:US ~31:63/496,545 ~32:17/04/2023

2025/00192 ~ Complete ~54:COMPOSITIONS, SYSTEMS, AND METHODS FOR REDUCING LOW-DENSITY LIPOPROTEIN THROUGH TARGETED GENE REPRESSION ~71:Tune Therapeutics, Inc., 1930 Boren Ave, Floor 5, SEATTLE 98101, WA, USA, United States of America ~72: CONGDON, Kendra;GEMBERLING, Matthew P.;KWON, Jennifer;SATHER, Blythe~ 33:US ~31:63/355,540 ~32:24/06/2022;33:US ~31:63/399,625 ~32:19/08/2022;33:US ~31:63/401,558 ~32:26/08/2022;33:US ~31:63/453,044 ~32:17/03/2023;33:US ~31:63/466,681 ~32:15/05/2023;33:US ~31:63/472,224 ~32:09/06/2023

2025/00199 ~ Complete ~54:CONTROL METHOD AND SYSTEM FOR INTELLIGENT COMPACT SHELF, AND TERMINAL AND STORAGE MEDIUM ~71:BEIJING RONG'ANTE INTELLIGENT TECHNOLOGY CO., LTD., Bldg 55, NO.17, Huanke Middle Rd, Jinqiao Sci And Tech Ind Base, Tongzhou Park, Zhongguancun Sci And Tech Park, Tongzhou District, Beijing, 101149, People's Republic of China ~72: GUICAI LI;KUN ZHANG;LAIBIN BAI;LONG HE~ 33:CN ~31:202210940178.9 ~32:05/08/2022

2025/00180 ~ Complete ~54:DESIGN AND DEVELOPMENT OF METOPROLOL SUSTAINED RELEASE FORMULATIONS RESISTANT TO ALCOHOL INDUCED DOSE DUMPING ~71:Dr. Aminabee Shaik, V. V. Institute of Pharmaceutical Sciences; Gudlavalleru; Krishna; Andhra Pradesh; 521356, India;Dr. Rajani Vetapalem, V. V. Institute of Pharmaceutical Sciences; Gudlavalleru; Krishna; Andhra Pradesh; 521356, India;Dr. Srinivas Nandyala, Sandip Institute of Pharmaceutical Sciences; Nashik; Maharashtra; 422213, India;Dr. Vasu Naik Vadithe, Hindu College of Pharmacy; Guntur; Andhra Pradesh; 522002, India;Mr. SS Prasanna Kumar Ponnaganti, AKRG College of Pharmacy; Nallajerla; West Godavari; Andhra Pradesh; 534112, India;Ms. Anjali Appala, AKRG College of Pharmacy; Nallajerla; West Godavari; Andhra Pradesh; 534112, India;Ms. Archana Siddabathuni, Vijaya Institute of Pharmaceutical Sciences for Women; Vijayawada; Krishna; Andhra Pradesh; 521108, India;Prof. Gopalakrishna Murthy Talasila, Bapatla College of Pharmacy; Bapatla; Andhra Pradesh; 522101, India;Prof. Lakshmana Rao Atmakuri, V. V. Institute of Pharmaceutical Sciences; Gudlavalleru; Krishna; Andhra Pradesh; 521356, India;Prof. Ramesh Alluri, Vishnu Institute of Pharmaceutical Education and Research; Narsapur; Medak; Telangana; 502313, India ~72: Dr. Aminabee Shaik;Dr. Rajani Vetapalem;Dr. Srinivas Nandyala;Dr. Vasu Naik Vadithe;Mr. SS Prasanna Kumar Ponnaganti;Ms. Anjali Appala;Ms. Archana Siddabathuni;Prof. Gopalakrishna Murthy Talasila;Prof. Lakshmana Rao Atmakuri;Prof. Ramesh Alluri~

2025/00181 ~ Complete ~54:DRYING PLANT FOR THE PRODUCTION OF CONFECTIONARY ITEMS ~71:PINCO SA, Via Pra Mag 9, Switzerland ~72: CATELLI, Cesare~ 33:CH ~31:CH000834/2022 ~32:13/07/2022;33:IT ~31:102022000014719 ~32:13/07/2022

2025/00183 ~ Complete ~54:IONIZABLE CATIONIC LIPIDS AND LIPID NANOPARTICLES, AND METHODS OF SYNTHESIS AND USE THEREOF ~71:TIDAL THERAPEUTICS, INC, 700 Main Street Cambridge, United States of America ~72: ALI, Mir;BOESCH, Austin Wayne;DRUMMOND, Daryl Clark;KUHLMAN, William;LEMGART, Viktor;NIELSEN, Ulrik~ 33:US ~31:63/350,404 ~32:08/06/2022

2025/00194 ~ Complete ~54:ENCODING AND DECODING OF AUDIO AND/OR VIDEO DATA ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: CLARE, Gordon;HENRY, Félix~ 33:FR ~31:2207026 ~32:08/07/2022

2025/00163 ~ Complete ~54:METHOD FOR QUANTIFICATION OF FREE POLYSACCHARIDE AND TOTAL POLYSACCHARIDE IN VACCINE COMPOSITIONS ~71:SERUM INSTITUTE OF INDIA PRIVATE LIMITED, 212/2, Off Soli Poonawalla Road, Hadapsar, India ~72: GAIROLA, Sunil Jagdishprasad;GOEL, Sunil Kumar;KALE, Sameer Manohar;MANDHAN, Aarushi;PHUGARE, Swapnil Suresh;SHARMA, Pankaj Keshav;SHINDE, Sagar Tanaji~ 33:IN ~31:202421001155 ~32:05/01/2024

2025/00172 ~ Complete ~54:COAL GANGUE ASPHALT MIXTURE AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: FU Hao;GAO Wenying;LI Guobin;YAO Liyang;ZHANG Junguan~

2025/00190 ~ Complete ~54:HETEROARYL COMPOUNDS AS LIGAND DIRECTED DEGRADERS OF IRAK4 ~71:Bristol-Myers Squibb Company, Rte. 206 & Province Line RoadNJ, PRINCETON 08543, NJ, USA, United States of America;Celgene Corporation, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: DAVIES, Geraint;ELLIS, John Michael;GORMISKY, Paul;HAGER, Harry;HU, Lingbowei;MA, Rulin;MENG, Yilin;RASMUSSEN, Timothy;SIU, Tony;VAN DER MEI, Farid~ 33:US ~31:63/390,888 ~32:20/07/2022

2025/00170 ~ Complete ~54:GLOEOSTEREUM INCARNATUM VEGETARIAN TRIPE RICH IN ULMUS PUMILA POLYSACCHARIDE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Hou Siyu;LU Tie;WANG Gaofeng;WANG He;XIE Zhaohui;ZHANG Suyu;ZHANG Xiaorui;ZHANG Zibo~

2025/00185 ~ Complete ~54:FITUSIRAN FOR THE TREATMENT OF HEMOPHILIA A AND B ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: ANDERSSON, Shauna;MEI, Baisong;SHAMMAS, Fadi;SUSSEBACH, Christian~ 33:US ~31:63/350,398 ~32:08/06/2022;33:US ~31:63/359,695 ~32:08/07/2022;33:US ~31:63/382,227 ~32:03/11/2022;33:US ~31:63/386,491 ~32:07/12/2022;33:US ~31:63/479,337 ~32:10/01/2023;33:US ~31:63/483,700 ~32:07/02/2023;33:US ~31:63/489,611 ~32:10/03/2023

2025/00195 ~ Complete ~54:PYRROLOTRIAZINE AND IMIDAZOTRIAZINE DERIVATIVES AS MODULATORS OF THE NLRP3 INFLAMMASOME PATHWAY ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: MOLETTE, Jérôme~ 33:EP ~31:22185021.7 ~32:14/07/2022

2025/00193 ~ Complete ~54:NEW SPIROCYCLOHEXANE DERIVATIVES, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USES AS ANTI-APOPTOTIC INHIBITORS ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES CEDEX 92284, FRANCE, France;Vernalis (R&D) Limited, Granta Park, CAMBRIDGE CB21 6GB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BALASSA, Annamária;BEDFORD, Simon;CHEN, I-Jen;CSÉKEI, Márton;DAVIDSON, James Edward Paul;ECKER, Ágota;GARAMVÖLGYI, Rita;KOTSCHY, András;LE TOUMELIN-BRAIZAT, Gaëtane;MADARÁSZ, Zoltán;MADDOX, Daniel;MCKENNA, Sean Martin;MURRAY, James Brooke;PARSONS, Rachel Jane;PROSZENYÁK, Ágnes;SIPOS, Szabolcs;STOKES, Stephen;SZABÓ, Zoltán;WALMSLEY, Claire Louise;ZWILLINGER, Márton~ 33:EP ~31:22306029.4 ~32:08/07/2022

2025/00197 ~ Complete ~54:ULTRASONIC DEGASIFICATION FOR CARBON CAPTURE SOLVENTS ~71:Nuovo Pignone Technologie - S.r.l., Via Felice Matteucci 2, FLORENCE 50127, ITALY, Italy ~72: BRAVO, Estanislado;KRUMM, Robert~ 33:US ~31:63/359093 ~32:07/07/2022

2025/00167 ~ Complete ~54:TEACHING METHOD AND SYSTEM OF COURT DRILL BASED ON VIRTUAL REALITY ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: GUO Yizhen;LI Yanke;LIU Hongwei;LU Ling;MA Dongli;WEI Lijun~

2025/00182 ~ Complete ~54:METHODS FOR PURIFICATION OF MULTI-SPECIFIC ANTIBODIES ~71:SANOFI, 46 Avenue de la Grande, France ~72: RAO, Ercole;RECZEK, David J.;SUN, Tingwan;WAHL, Lena~ 33:US ~31:63/350,255 ~32:08/06/2022;33:EP ~31:22315206.7 ~32:08/09/2022

2025/00186 ~ Complete ~54:METHOD FOR PRODUCING DIMETHYLETHER ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastraße 27c, Germany ~72: OUDA, Mohamed;SEMMELE, Malte;STEINBACH, Benedikt~ 33:DE ~31:10 2022 114 811.4 ~32:13/06/2022

2025/00189 ~ Complete ~54:TRICYCLIC TRIAZOLO COMPOUNDS AS DGK INHIBITORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: HIE, Liana;HUMMEL, Joshua;LACHARITY, Jacob J.;LI, Xiaolei;MANNS, Sharada;QIAN, Ding-Quan;WANG, Xiaozhao;WEI, Bo;XU, Meizhong~ 33:US ~31:63/350,244 ~32:08/06/2022;33:US ~31:63/436,248 ~32:30/12/2022

2025/00191 ~ Complete ~54:DEVICE AND METHOD FOR LIMITING INTERACTIONS BETWEEN ANIMALS AND BUILT STRUCTURES ~71:Sens of Life, Zac La Salamane, 62 Avenue de la Salamane, CLERMONT-L'HÉRAULT 34800, FRANCE, France ~72: LAGRANGE, Hubert~ 33:FR ~31:2206523 ~32:29/06/2022

2025/00198 ~ Complete ~54:MELANOPSIN VARIANTS FOR VISION RESTORATION ~71:ADVERUM BIOTECHNOLOGIES, INC., 100 Cardinal Way, Redwood City, California, 94063, United States of America ~72: CAMERON BAKER~ 33:US ~31:63/349,970 ~32:07/06/2022;33:US ~31:63/411,523 ~32:29/09/2022;33:US ~31:63/466,181 ~32:12/05/2023

2025/00187 ~ Complete ~54:ANTIBODY DRUG CONJUGATES ~71:BEIGENE, LTD., C/o Mourant Governance Services (Cayman) Limited, 94 Solaris Avenue, Cayman Islands ~72: TSAI, Charng-Sheng;TSAI, Mei-Hsuan;WEI, Xiaodong~ 33:CN ~31:PCT/CN2022/097834 ~32:09/06/2022

2025/00207 ~ Provisional ~54:ONLINE PRODUCT USER MANUAL ~71:SAKHILE HOPEWELL NTULI, 1351 EXT 8, EMPUMELWENI, South Africa ~72: SAKHILE HOPEWELL NTULI ~

2025/00204 ~ Complete ~54:FUSED RING KRAS INHIBITORS FOR TREATING DISEASE ~71:BLOSSOMHILL THERAPEUTICS, INC., 3525 John Hopkins Court, Suite 100 San Diego, California 92121, United States of America ~72: EUGENE YUANJIN RUI;EVAN W ROGERS;JINGRONG JEAN CUI~ 33:US ~31:63/359,817 ~32:09/07/2022;33:US ~31:63/417,684 ~32:19/10/2022;33:US ~31:63/502,047 ~32:12/05/2023;33:US ~31:63/469,290 ~32:26/05/2023;33:US ~31:63/521,487 ~32:16/06/2023

2025/00184 ~ Complete ~54:FITUSIRAN FOR THE TREATMENT OF HEMOPHILIA A AND B IN PEDIATRIC PATIENTS ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: ANDERSSON, Shauna;BHAGUNDE, Pratik R.;IQBAL, Sajida;PATEL, Pranav;POLOSKEY, Stacey;SHAMMAS, Fadi~ 33:US ~31:63/350,382 ~32:08/06/2022;33:US ~31:63/381,499 ~32:28/10/2022

2025/00196 ~ Complete ~54:METHODS AND SYSTEMS FOR TREATING DISEASE USING AN ATR/CHK1 SIGNALING PATHWAY INHIBITOR ~71:Acrivon Therapeutics, Inc., 480 Arsenal Way, Suite 100, WATERTOWN 02472, MA, USA, United States of America ~72: BLUME-JENSEN, Peter;DUNYAK, James;MASSON, Kristina;MURSHID, Ayesha;SHIPITSIN, Michail;WIGERUP, Caroline~ 33:US ~31:63/388,914 ~32:13/07/2022

2025/00201 ~ Complete ~54:FLUID TREATMENT SYSTEM AND METHOD ~71:THREE ES S.R.L., Via Libertà 105, 20824, Lazzate, MB, Italy ~72: MARCO SOLDI~ 33:IT ~31:102022000013054 ~32:21/06/2022

2025/00176 ~ Complete ~54:BUILDING DIMENSION MEASURING DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CAI, Jing;CHEN, Yao;LI, Hua;YANG, Mingfei;ZHANG, Yingxin;ZHANG, Zilu~

2025/00178 ~ Complete ~54:A NOVEL PREFABRICATED CONCRETE COLUMN-BEAM JOINT CONNECTION STRUCTURE ~71:Xinyu University, 2666 Sunshine Dadao, High-tech Zone, Xinyu City, Jiangxi Province,

People's Republic of China ~72: Ai chunhong;Cai yunfang;Cui shengchao;Fu siyong;Han lei;Li jialin;Li jie;Li zhen;Teng wenhao;Wang chengyuan;Zhang yuqing~ 33:CN ~31:2024230915704 ~32:16/12/2024

2025/00202 ~ Complete ~54:ANTI-ROR1 ANTIBODIES AND ANTIBODY CONJUGATES, COMPOSITIONS COMPRISING ANTI-ROR1 ANTIBODIES OR ANTIBODY CONJUGATES, AND METHODS OF MAKING AND USING ANTI-ROR1 ANTIBODIES AND ANTIBODY CONJUGATES ~71:SUTRO BIOPHARMA, INC., 111 Oyster Point Boulevard South San Francisco, California, 94080, United States of America ~72: ABIGAIL YU;ALICE YAM;AMANDEEP GAKHAL;ANDREAS MADERNA;CRISTINA ABRAHAMS;DANIEL CALARESE;GANG YIN;HELENA KIEFEL;JEFFREY HANSON;KRISHNA BAJJURI;KRISTIN BEDARD;MIAO WEN;RYAN STAFFORD;XIAOFAN LI~ 33:US ~31:63/357,442 ~32:30/06/2022;33:US ~31:63/389,741 ~32:15/07/2022;33:US ~31:63/382,262 ~32:03/11/2022;33:US ~31:63/487,706 ~32:01/03/2023;33:US ~31:63/489,926 ~32:13/03/2023;33:US ~31:63/495,635 ~32:12/04/2023

2025/00165 ~ Complete ~54:BIOLOGICALLY FERMENTED FEED FOR BEEF CATTLE MADE FROM AURICULARIA AURICULA SPENT MUSHROOM SUBSTRATE ~71:Shanxi Agricultural University, Yangjiazhuang, Taigu County, Jinzhong City, Shanxi Province, 032699, People's Republic of China ~72: JIN, Guang;LI, Xi;WANG, Cheng;WANG, Dongcai;XU, Fang;ZHANG, Bianying;ZHANG, Jing;ZHANG, Yuanqing~

2025/00168 ~ Complete ~54:ASSISTANCE SYSTEM FOR PSYCHOLOGICAL GUIDANCE IN FAMILY EDUCATION ~71:JIAXING VOCATIONAL AND TECHNICAL COLLEGE, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: YAO, Lanying~

- APPLIED ON 2025/01/07 -

2025/00252 ~ Complete ~54:USE AND PREPARATION METHOD OF SULFOXAMYL, AND OXIDATION SYSTEM ~71:NINGXIA HUGERISE CHEMICAL CO., LTD., Pingluo Industrial Area, Hongyazi Town, Shizuishan, Ningxia, 753400, People's Republic of China ~72: GUO, Chuanlei;HAO, Liyong;XU, Kun;YIN, Cuiping~ 33:CN ~31:202311774550.4 ~32:21/12/2023

2025/00256 ~ Provisional ~54:FAN COLABO TIME ~71:SAKHILE HOPEWELL NTULI, 1351 EXT 8, EMPUMELWENI, South Africa ~72: SAKHILE HOPEWELL NTULI~

2025/00250 ~ Complete ~54:NOVEL COMPOUNDS ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: MOLETTE, Jérôme~ 33:EP ~31:22187634.5 ~32:28/07/2022;33:EP ~31:22216498.0 ~32:23/12/2022

2025/00430 ~ Provisional ~54:FAUX-PHYSICAL LYRIC & DIGITAL DOWNLOAD BOOKLETS ~71:Boitumelo Motseki, 36 David Fourie Street, South Africa ~72: Boitumelo Motseki~

2025/00220 ~ Complete ~54:A LONG-TERM SEQUENCE CROP DYNAMIC MAPPING METHOD BASED ON SYNERGISTIC ACTIVE-PASSIVE REMOTE SENSING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, People's Republic of China ~72: DING, Leixiang;JIANG, Yongtao;LU, Chunyang;LU, Kun;QU, Qianlong;WANG, Limei;YANG, Yun;ZHANG, Caili~

2025/00230 ~ Complete ~54:INTELLIGENT TRANSPORTATION SYSTEM BASED ON BIG DATA ~71:Huzhou College, No. 1 Xueshi Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: Li Dan;Nai Wei;Yang Zan~

2025/00235 ~ Complete ~54:LIQUID DISTRIBUTION SYSTEMS, CROP SPRAYERS, AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: FRANK, William;GRAY, Tanner;WIEGAND, Cole~ 33:US ~31:63/375,827 ~32:15/09/2022

2025/00240 ~ Complete ~54:METHODS AND COMPOSITIONS FOR NUCLEIC ACID SEQUENCING
~71:BROKEN STRING BIOSCIENCES LIMITED, Biodata Innovation Centre, Wellcome Genome Campus,
Hinxton, Cambridge, Cambridgeshire, CB10 1DR, United Kingdom ~72: FELIX DOBBS;PATRICK VAN
EIJK;SIMON REED~ 33:GB ~31:2209189.6 ~32:22/06/2022

2025/00246 ~ Complete ~54:A UNIFYING OF THE NETWORK DEVICE ENTITY AND THE USER ENTITY FOR
BETTER CYBER SECURITY MODELING ALONG WITH INGESTING FIREWALL RULES TO DETERMINE
PATHWAYS THROUGH A NETWORK ~71:Darktrace Holdings Limited, Maurice Wilkes Building, St John's
Innovation Park, CAMBRIDGE CB4 0DS, UNITED KINGDOM, United Kingdom ~72: HOWLETT, Guy;LAL,
Jake;THOMSON, Alexander Fox;WINGAR, James Rees;WOODFORD, Andrew~ 33:US ~31:63/350,781
~32:09/06/2022;33:US ~31:63/396,105 ~32:08/08/2022

2025/00253 ~ Complete ~54:A QUENCHING AGENT CLEANING SYSTEM ~71:Tangshan Hongli Tool
Manufacturing Co., Ltd, Songdaokou Industrial Zone, Luannan County, Tangshan City, Hebei Province, People's
Republic of China ~72: Chen Jianliang;Pang Jianchun;Pang Jianna;Tang Na~ 33:CN ~31:2024105499325
~32:06/05/2024

2025/00251 ~ Complete ~54:WIND TURBINE TOWER NON-INTERFERENCE STACKABLE SYSTEM ~71:CLS
WIND LLC, P.O. Box 7155 Houston, United States of America ~72: GARCIA, Andres, C.;JOHNSON, Kent, A.~
33:US ~31:63/389,390 ~32:15/07/2022

2025/00243 ~ Complete ~54:METHODS FOR 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;MARIA CECILIA SCIMIA;PATRICK WILLEM KLEYN~
33:US ~31:63/388,580 ~32:12/07/2022;33:US ~31:63/426,610 ~32:18/11/2022

2025/00245 ~ Complete ~54:COMPOSITIONS FOR REDUCING METHANE EMISSIONS, ANIMAL FEEDS
COMPRISING THEM AND THEIR USE TO REDUCE METHANE EMISSIONS ~71:Mootral Innovations Limited,
Units G-H, Roseheyworth Business Park, ABERTILLERY NP13 1SX, BLAENAU GWENT, UNITED KINGDOM,
United Kingdom ~72: MANGANAS, Phanee;NEEF, Daniel Wilhelm~ 33:GB ~31:2209089.8 ~32:21/06/2022

2025/00210 ~ Provisional ~54:DIGITAL ADVERTISING ELECTRONICALLY ON THE NATIONAL TOOL PLAZAS
GATES AND DIGITAL SAFETY MESSAGES FOR ROAD USERS OR MOTORIST ~71:Mogale Molefi, 51 Hendal
Villas, 1 George street, Georgia, South Africa ~72: Mogale Molefi~

2025/00219 ~ Complete ~54:SIMULATION AND PREDICTION METHOD FOR REGIONAL NORMALIZED
DIFFERENCE VEGETATION INDEX PATTERN OF REED BASED ON DUAL-DRIVE ANALYSIS ~71:BEIJING
NORMAL UNIVERSITY, No. 19 Xijiekou Wai Street, Haidian District, Beijing, People's Republic of China ~72:
CAI Yanpeng;LI Chunhui;LIAO Zhenmei;LIU Qiang;WANG Xuan;YAN Shengjun;ZHANG Yunlong~

2025/00221 ~ Complete ~54:SPORTS BALL TRAINER ~71:Henan University of Urban Construction, Longxiang
Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIANG Chen;LI
Che;ZHANG Wei~

2025/00226 ~ Complete ~54:SELF-REPAIRING DAMPER USED BETWEEN CONNECTING BEAMS
~71:China MCC22 Group Corporation Ltd., No. 16 Xingfu Road, Fengrun District, Tangshan City, Hebei Province,
064000, People's Republic of China ~72: Guoqiang CI;Qingbo GUO;Tong LIU;Xiaohui ZHAO~ 33:CN
~31:2024101530738 ~32:04/02/2024

2025/00232 ~ Complete ~54:SYSTEM FOR ENTERPRISE INTERNAL ECONOMIC MANAGEMENT COST CONTROL ~71:Hainan Vocational University of Science and Technology, No. 18 Qiongsan Avenue, Meilan District, Haikou City, Hainan Province, 571126, People's Republic of China ~72: Hu Siyang;Tan Xianjiao~

2025/00234 ~ Complete ~54:TERMINAL INTELLIGENT CONTROL PLATFORM FOR COMPUTER POWER ~71:Xinyu University, No. 2666, Sunshine Avenue, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Li Shiwen;Liu Jinhua;Liu Mingqi;Liu Xueping;Liu Zeqi;Luo Haiyong~

2025/00237 ~ Complete ~54:MULTIVALENT AND BISPECIFIC ANTIBODY CONSTRUCTS AND METHODS OF USE THEREOF ~71:ZYMEWORKS BC INC., 114 East 4th Avenue, Suite 800, Canada ~72: AFACAN, Nicole;DOUDA, David;PISCITELLI, Chayne L.;PRATAP, Harsh;SPRETER VON KREUDENSTEIN, Thomas;WEISSER, Nina E.;WHITE-MOYES, Kara;ZWIERZCHOWSKI, Patricia~ 33:US ~31:63/393,633 ~32:29/07/2022;33:US ~31:63/458,621 ~32:11/04/2023;33:US ~31:63/465,483 ~32:10/05/2023

2025/00241 ~ Complete ~54:METHODS FOR INITIATING RANDOM ACCESS PROCEDURE ~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;SHUJUAN ZHANG;XIAOLONG GUO;YANG ZHANG;ZHAOHUA LU~

2025/00209 ~ Provisional ~54:FORCED FLUX JUMP REACTOR CAUSING NON-LINEAR RESPONSE ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2025/00224 ~ Complete ~54:COMBINATION INSTALLATION CONSTRUCTION STRUCTURE OF REACTION WALL LOADING HOLE MODULE AND CONSTRUCTION METHOD THEREOF ~71:China MCC22 Group Corporation Ltd., No. 16 Xingfu Road, Fengrun District, Tangshan City, Hebei Province, 064000, People's Republic of China ~72: Bin YAO;Chuang ZHAI;Junyong WANG;Qingyong MENG;Tao SUN;Yupeng SUI~ 33:CN ~31:2024100437977 ~32:12/01/2024

2025/00242 ~ Complete ~54:UPLINK 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;MINQIANG ZOU;SHUJUAN ZHANG;XIAOLONG GUO;YANG ZHANG;ZHAOHUA LU~

2025/00247 ~ Complete ~54:MORPHOLINE-3-CARBOXAMIDE DERIVATIVES AS PROSTAGLANDIN E2 RECEPTOR 4 (EP4) AGONISTS FOR THE TREATMENT OF GASTROINTESTINAL AND PULMONARY DISEASES ~71:Nxera Pharma UK Limited, Granta Park, Great Abington, CAMBRIDGE CB21 6DG, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BROWN, Giles Albert;CONGREVE, Miles Stuart;SWAIN, Nigel Alan;WHITEHURST, Benjamin~ 33:GB ~31:2211232.0 ~32:02/08/2022

2025/00244 ~ Complete ~54:ENTRY-MODULATING AGENTS AND USES THEREFOR ~71:GRIFFITH UNIVERSITY, 170 Kessels Road, Nathan, Queensland, 4111, Australia;SWISS TROPICAL AND PUBLIC HEALTH INSTITUTE, Kreuzstrasse 2, 4123 Allschwil, Switzerland;UNIVERSITÄT BASEL, Vizerektorat Forschung Petersgraben 35, CH-4001, Basel, Switzerland ~72: CHRISTOPHER J DAY;GERD PLUSCHKE;MICHAEL P JENNINGS~ 33:AU ~31:2022901757 ~32:24/06/2022

2025/00213 ~ Complete ~54:METHOD FOR IMPROVING YIELD AND QUALITY OF EGGPLANT SEED PRODUCTION ~71:SHANGHAI ACADEMY OF AGRICULTURAL SCIENCES, No. 1000, Jinqi Road, Fengxian District, Shanghai, 201403, People's Republic of China ~72: WU, Xuexia;XIAO, Kai;ZHA, Dingshi;ZHANG, Aidong;ZHOU, Yaru~

2025/00228 ~ Complete ~54:SOIL CONDITIONER FOR ENHANCING MICROECOLOGICAL BALANCE OF THE SOIL AND A PREPARATION METHOD THEREOF ~71:Suzhou University, Education Park, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Weihong Lu;Yaofang Wang~

2025/00239 ~ Complete ~54:COMPOSITIONS AND METHODS FOR NON-GENOTOXIC CELL CONDITIONING ~71:BEAM THERAPEUTICS INC., 238 Main Street, 9th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM HARTIGAN;CHARLOTTE MCDONAGH;KATHY YING ZHANG;MEGAN EGBERT;NANDINI MONDAL;NICOLE GAUDELLI;SCOTT HAIHUA CHU;TANGGIS BOHNUUD~ 33:US ~31:63/355,927 ~32:27/06/2022;33:US ~31:63/386,719 ~32:09/12/2022;33:US ~31:63/478,744 ~32:06/01/2023;33:US ~31:63/500,854 ~32:08/05/2023

2025/00249 ~ Complete ~54:ONCOLYTIC VACCINIA VIRUSES AND RECOMBINANT VIRUSES AND METHODS OF USE THEREOF ~71:ViroMissile, Inc., 505 Coast Blvd South, Suite 208, LA JOLLA 92037, CA, USA, United States of America ~72: CHEN, Nanhai George~ 33:US ~31:63/368,029 ~32:08/07/2022

2025/00211 ~ Complete ~54:TEST SIMULATION DEVICE AND METHOD FOR POLLUTION IMPACTS OF SOLID WASTE CONTAINING HEAVY METALS ~71:BGRIMM TECHNOLOGY GROUP, BUILDING 23, ZONE 18 OF ABP, People's Republic of China ~72: LI, Fangze;LI, Rui;LIN, Xingjie;MIAO, Yu;PANG, Zhikun;XIN, Xin;YANG, Shengyi;ZHANG, Chi;ZHANG, Ge~

2025/00214 ~ Complete ~54:DEVICE FOR PREVENTING AND CONTROLLING UNDERGROUND ROADWAY FLOOR HEAVE IN COAL MINE ~71:Taiyuan University of Science and Technology, No.66 Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: FU Yuping;HE Yongliang;LI Chuantian~

2025/00215 ~ Complete ~54:FRUIT SIZE SORTING MACHINE ~71:Anhui Science And Technology University, No. 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China;Chuzhou Hetian Agricultural Machinery Co., Ltd., (Building 3 of Chuzhou Boyuan Decoration Engineering Co., Ltd.) Yangqiao Industrial Park, Xianghe Town, Quanjiao County, Chuzhou City, Anhui Province, 239000, People's Republic of China ~72: AI, Zhiyun;LI, Yunfei;LIAO, Junling;QIAO, Yinhu;SUN, Zhicheng;YANG, Sai;ZHANG, Chunyan~

2025/00217 ~ Complete ~54:A LIFTABLE PROJECTION DEVICE FOR ONLINE TEACHING ~71:Anhui University, Jiulong Road, Shushan District, Anhui Province, People's Republic of China;Huainan Normal University, Chaoyang Street, Tianjia'an District, Anhui Province, People's Republic of China ~72: Bai Ruiping;Li Qingping;Liu Yuxin~

2025/00218 ~ Complete ~54:MOBILE MULTI-POINT RECEIVING EQUIPMENT ~71:Ningxia Tiandi Northwest Coal Machinery Co. , Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CHEN Hao;LIU Zengjie;MA Liwei;MA Yupeng;MA Zhao;TIAN Yanjun;WANG Pengcheng;WANG Zhangui;WU Tao;ZHANG Fenyong;ZHANG Ruizheng;ZHOU Hailin~

2025/00222 ~ Complete ~54:CAPILLARY REFRIGERATION AIR CONDITIONING SYSTEM FOR SHALLOW WATER WELLS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Haiyan;FU Haoka;JIN Junjie;XU Hongbin;YU Tingting;ZHANG Peilu~

2025/00223 ~ Complete ~54:APPARATUS FOR CLEANING SURFACE OF ELECTRONIC CIRCUIT BOARD BASED ON PRINCIPLE OF ELECTROSTATIC ADSORPTION ~71:NANING VOCATIONAL COLLEGE OF INFORMATION TECHNOLOGY, No.99,Wenlan Road, Xianlin University Town, Nanjing, People's Republic of

China ~72: Anli JIANG;Ben WANG;Fan CHEN;Hongyan WANG;Wei YAO;Xiangshu WU;Zhenfei GU;Zihe CHEN~33:CN ~31:202411365065.6 ~32:29/09/2024

2025/00227 ~ Complete ~54:AUTOMATIC WELDING EQUIPMENT FOR STAINLESS STEEL PIPE ~71:Zhejiang Shengjie Titanium Technology Co., Ltd., No. 8 Xianghong Road, Jianshan New District, Haining City, Jiaxing City, Zhejiang Province, People's Republic of China ~72: Shengjie Wang;Shouhan Wang;Tengyu Yang;Xiaowen Sun;Xinyue Chen;Yitao Fan;Yulin Zhou~ 33:CN ~31:2024106480877 ~32:23/05/2024

2025/00236 ~ Complete ~54:CRYSTALLINE FORMS OF 2-[3-[4-AMINO-3-(2-FLUORO-4-PHENOXY-PHENYL)PYRAZOLO[3,4-D]PYRIMIDIN-1- YL]PIPERIDINE-1-CARBONYL]-4-METHYL-4-[4-(OXETAN-3-YL)PIPERAZIN-1-YL]PENT-2-ENENITRILE ~71:PRINCIPIA BIOPHARMA INC., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: BY, Kolbot;PHIASIVONGSA, Pasit;VAN BEEK, Carim~ 33:US ~31:63/352,027 ~32:14/06/2022

2025/00248 ~ Complete ~54:PYRROLIDINE-2-CARBOXAMIDE DERIVATIVES AS PROSTAGLANDIN E2 RECEPTOR 4 (EP4) AGONISTS FOR THE TREATMENT OF GASTROINTESTINAL AND PULMONARY DISEASES ~71:Nxera Pharma UK Limited, Granta Park, Great Abington, CAMBRIDGE CB21 6DG, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BROWN, Giles Albert;CONGREVE, Miles Stuart;SWAIN, Nigel Alan;WHITEHURST, Benjamin~ 33:GB ~31:2211233.8 ~32:02/08/2022

2025/00254 ~ Complete ~54:LANE-LEVEL SAFETY WARNING SYSTEM AND METHOD BASED ON INTELLIGENT SPIKE ~71:TECH TRAFFIC ENGINEERING GROUP COMPANY LIMITED, 8th Floor, Haitai Building, No. 229 North Fourth Ring, Middle Road, Haidian District, People's Republic of China ~72: FAN, Dongnan;FENG, Wei;PENG, Min;TAN, Xiaogang;WANG, Yuan;WEI, Yunfeng~

2025/00255 ~ Complete ~54:MOBILE MONITORING SYSTEM SUITABLE FOR EXPRESSWAY ~71:TECH TRAFFIC ENGINEERING GROUP COMPANY LIMITED, 8th Floor, Haitai Building, No. 229 North Fourth Ring, Middle Road, Haidian District, People's Republic of China ~72: AN, Zeping;GUO, Xiaowei;HE, Jing;WANG, Bo;ZHANG, Bowen;ZHANG, Wei~

2025/00212 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING INFANTILE PNEUMONIA AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:Shandong Medical College, No. 5460 Second Ring South Road, Shizhong District, Jinan City, Shandong Province, 260002, People's Republic of China ~72: CHEN, Rui;CHEN, Yun;DONG, Zhen;LI, Wei;LI, Xia;LIANG, Chen;XIANG, Lili;XIAO, Guofeng~ 33:CN ~31:202410119954.8 ~32:29/01/2024

2025/00216 ~ Complete ~54:A DEVICE FOR CLEANING AND OILING THE SURFACE RUST OF RAILS ~71:CHINA RAILWAY 12TH BUREAU GROUP CO.,LTD., No.130 Xikuang Street, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China;Central South University, No.932 Lushan South Road, Yuelu District, Changsha City, Hunan Province, 410083, People's Republic of China;China Railway Nanchang Bureau Group Co., Ltd., No.7 Zhanqian Road, Xihu District, Nanchang City, Jiangxi Province, 330000, People's Republic of China;Guangzhou City Polytechnic, No.248 Guangyuan Middle Road, Baiyun District, Guangzhou City, Guangdong Province, 510419, People's Republic of China;Guangzhou Metro Design & Research Institute Co.,Ltd., No.204 Huanshi West Road, Yuexiu District, Guangzhou City, Guangdong Province, 510010, People's Republic of China ~72: CAI Fuhai;DUAN Tingfa;FENG Ning;HAN Marui;LI Peicheng;LI Ping;QI Xingzhe;QIN Biao;REN Xuefei;TANG Jie;WU Da;WU Shuang;XU Chundong;YE Mengxuan;YIN Huatuo;YUAN Fanghua;ZENG Zhiping~

2025/00229 ~ Complete ~54:SMART CLOTHING WITH INTEGRATED PREDICTIVE ANALYTICS FOR ATHLETE HEALTH MONITORING AND INJURY PREVENTION ~71:Dr. Anand Namdeorao Wankhede, F E S Girls College, Ballarpur Rd, Bazar Ward, Chandrapur, Maharashtra 442403, Maharashtra, India;Dr. Jaibhagwan

Singh Goun, ASSISTANT PROFESSOR, PHYSICAL EDUCATION, MAHARANA PRATAP GOVT. P.G. COLLEGE, HARDOI- 241001, (Affiliated to University of Lucknow, Lucknow), India;Dr. Sinku Kumar Singh, Professor, Swami Ramanand Teerth Marathwada University, Nanded- 431606, Maharashtra, India;Dr. Vikram Shankarrao Kunturwar, Director, Physical education & Sports, Shankarrao Chavan Mahavidyalaya, Ardhapur District, Nanded – 431704, Maharashtra, India;Ramakant Dnyanobarao Bansode, Assistant Professor, Physical Education, College of Veterinary and Animal Sciences, Kaulked Road, UDGIR Tal. Udgir, Dist., Latur- 413517, Maharashtra, India ~72: Dr. Anand Namdeorao Wankhede;Dr. Jaibhagwan Singh Goun;Dr. Sinku Kumar Singh;Dr. Vikram Shankarrao Kunturwar;Ramakant Dnyanobarao Bansode~

2025/00231 ~ Complete ~54:TEST METHOD FOR EFFECTS OF TEA POLYPHENOLS ON GEL PROPERTIES OF TILAPIA SURIMI ~71:Hainan Tropical Ocean University, No. 1, Yucai Road, Jiyang District, Sanya City, Hainan Province, 572022, People's Republic of China ~72: Hang Yuyu;Huang Qiongmei;Zhang Yang~

2025/00225 ~ Complete ~54:STRUCTURAL COLUMN FORMWORK STRUCTURE AND ITS SPECIAL FORMWORK AND CONSTRUCTION METHOD ~71:China MCC22 Group Corporation Ltd., No. 16 Xingfu Road, Fengrun District, Tangshan City, Hebei Province, 064000, People's Republic of China ~72: Feng CHEN;Junyong WANG;Kai MIAO;Lilei ZHU;Shixiong YAO~ 33:CN ~31:2024103675534 ~32:28/03/2024

2025/00233 ~ Complete ~54:ROTATING MACHINERY AND CONTROL METHOD THEREFOR ~71:Shenyang Engine Research Institute, Wanlian Road, No. 1, Shenhe District, Shenyang City, Liaoning Province, 110066, People's Republic of China ~72: Chen Zuxin;Ding Xiaoxu;Guo Qiang;Ma Xinrui;Wang Fei;Zeng Shan;Zhao Yijian~

2025/00238 ~ Complete ~54:REDUCING SCINTILLATION NOISE IN FREE SPACE OPTICAL COMMUNICATIONS ~71:ATTOCHRON, LLC, P.O. Box 1036, United States of America ~72: CHAFFEE, Thomas M.;COLANGELO, Taz M.;GREGORY, Brian M.;KNOX, Wayne H.;LEBON, Alexander B.~ 33:US ~31:17/932,364 ~32:15/09/2022

- APPLIED ON 2025/01/08 -

2025/00268 ~ Complete ~54:IMPROVED IMMUNOGENIC COMPOSITIONS AGAINST ENTERIC DISEASES AND METHODS FOR ITS PREPARATION THEREOF ~71:SERUM INSTITUTE OF INDIA PRIVATE LIMITED, 212/2, Off Soli Poonawalla Road, Hadapsar, Pune 411 028, India ~72: ANNAMRAJU DATTATREYA SARMA;AVALASKAR NIKHIL DATTATRAY;CHAVAN VISHAL BHARAT;DHIRE RAJEEV MHALASAKANT;PISAL SAMBAHAJI SHANKAR;POONAWALLA ADAR CYRUS;POONAWALLA CYRUS SOLI;SHIRODE AMIT ANANDRAO~

2025/00277 ~ Complete ~54:NANO FLUORESCENT LATEX PIGMENT WITH HIGH FLUORESCENCE INTENSITY AND HIGH STABILITY AND PREPARATION METHOD THEREFOR ~71:Huangshan Jiajia Fluorescent Materials Co., Ltd, She County Circular Economy Park, Huangshan City, People's Republic of China ~72: Pan Jianming;Wang Chongjian;Wang Jimin;Yu Shibin;Zhang Liping;Zhou Yan~ 33:CN ~31:202311632998.2 ~32:01/12/2023

2025/00282 ~ Complete ~54:PHARMACEUTICAL SOLUTIONS OF ANTI-N3PGLU AB ANTIBODIES AND USES THEREOF ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CORVARI, Vincent John;DURBIN, Nicole H.;SHARMA, Anant Navanithan~ 33:US ~31:63/369,033 ~32:21/07/2022

2025/00286 ~ Complete ~54:APPLICATOR FOR APPLYING COATING MEDIUM TO SUBSTRATES ~71:Umicore AG & Co. KG, Rodenbacher Chaussee 4, HANAU-WOLFGANG 63457, GERMANY, Germany ~72: KLOSSNER, Fabian;LOPEZ, Marco;MASSON, Stéphane~ 33:DE ~31:10 2022 121 499.0 ~32:25/08/2022

2025/00294 ~ Complete ~54:A COMPOSITE WASHER FOR FORCE INDICATION AND LOOSENING PREVENTION ~71:WORXSAFE AB, Nifsåsvägen 9, 831 52, Östersund, Sweden ~72: SIMA BRUNNER~

2025/00259 ~ Provisional ~54:METHOD FOR THE PRODUCTION OF A SKIN LIKE MEMBRANE FROM A FUNGAL FERMENT FILTRATE AND APPLICATIONS THEREOF ~71:Neo Semousu Moloi, 1/152 London Lane, South Africa ~72: Neo Semousu Moloi~

2025/00262 ~ Complete ~54:TEMPERATURE-CONTROLLED GERMINATION BOX WITH DETECTION FUNCTION FOR PINE SEED ~71:Institute of Highland Forest Science, Chinese Academy of Forestry, Bailongsi Road, Panlong District, Kunming, Yunnan, 650233, People's Republic of China ~72: Chengjie Gao;Jin Li;Kai Cui~

2025/00263 ~ Complete ~54:PLANT-SOURCED INSECTICIDE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Cash Crop Research Institute of Jiangxi Province, 16 kilometers of Jiurui Avenue, Western Suburbs, Jiujiang City, Jiangxi Province, 332105, People's Republic of China ~72: BAI, Zhigang;CUI, Aihua;HU, Qixing;LIU, Shuai;SUN, Julong;SUN, Liangqing~

2025/00266 ~ Complete ~54:SPIRAL CONVEYOR SYSTEM ~71:ASHWORTH BROS., INC., 222 Milliken Blvd., Suite 7, Fall River, Massachusetts, 02721, United States of America ~72: BRYAN HOBBS;DARROLL JOSEPH NEELY~ 33:US ~31:62/196,582 ~32:24/07/2015;33:US ~31:15/216,210 ~32:21/07/2016

2025/00272 ~ Complete ~54:COMPOSITIONS AND METHODS FOR DEWATERING ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: CERVANTES, Juan;KNESEL, Gabriela;MONYAKE, Cathrine;SILVA, Ronney~ 33:US ~31:63/388,020 ~32:11/07/2022;33:US ~31:63/503,225 ~32:19/05/2023

2025/00276 ~ Complete ~54:CORESET ARRANGEMENT FOR NARROWBAND NEW RADIO ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HAKOLA, Sami-Jukka;RANTA-AHO, Karri, Markus;TIIROLA, Esa, Tapani~

2025/00279 ~ Complete ~54:PROSTATE SPECIFIC MEMBRANE ANTIGEN (PSMA) LIGANDS AND USE THEREOF ~71:3B Pharmaceuticals GmbH, Magnusstrasse 11, BERLIN 12489 , GERMANY, Germany ~72: AL-OBAIDI, Naowras;BREDENBECK, Anne;HAASE, Christian;PASCHKE, Matthias;SCHNEIDER, Eberhard;UNGEWISS, Jan;WAHSNER, Jessica;WEBER, Judith;WILKENING, Ina;ZBORALSKI, Dirk~ 33:US ~31:63/374,841 ~32:07/09/2022

2025/00288 ~ Complete ~54:METHOD FOR REDUCING CHLOROFLUOROCARBON IMPURITIES IN THE MANUFACTURE OF 7TRANS-1,3,3,3-TETRAFLUOROPROPENE (HFO-1234ZE(E)) ~71:Honeywell International Inc., Intellectual Property Services Group, 300 S. Tryon Street, Suite 600, CHARLOTTE 28202, NC, USA, United States of America ~72: CERRI, Gustavo;CLOSE, Joshua;FATTORE, Alex C.;HORWATH, Richard D.;HOWARD, Justin;KOPKALLI, Haluk;MCLAINE, Jennifer W.;MERKEL, Daniel C.;NAVAR, Carlos;PHAM, Hang T.~ 33:US ~31:63/389,174 ~32:14/07/2022;33:US ~31:63/415,457 ~32:12/10/2022;33:US ~31:18/218,691 ~32:06/07/2023

2025/00290 ~ Complete ~54:ALUMINIUM SMELTING METHOD & APPARATUS ~71:ENPOT HOLDINGS LIMITED, 41 Onslow Street, Invercargill, 9812, New Zealand ~72: NICHOLAS BRIAN DEPREE~ 33:NZ ~31:790164 ~32:08/07/2022;33:NZ ~31:796703 ~32:26/01/2023

2025/00297 ~ Complete ~54:METHODS FOR TREATING PATIENTS WITH LOCALLY ADVANCED OR METASTATIC UROTHELIAL CANCER WITH ANTIBODY DRUG CONJUGATES (ADC) THAT BIND 191P4D12 PROTEINS IN COMBINATION WITH PEMBROLIZUMAB ~71:AGENSYS, INC., 2375 Waterview Drive, Northbrook, Illinois, 60062, United States of America;MERCK SHARP & DOHME LLC, 126 East Lincoln Avenue,

P.O. Box 2000, Rahway, New Jersey, 07065, United States of America; SEAGEN INC., 21823 30th Drive SE, Bothell, Washington, 98021, United States of America ~72: ANNE-SOPHIE CARRET; OYEWALE O ABIDOYE~ 33:US ~31:63/392,067 ~32:25/07/2022; 33:US ~31:63/402,830 ~32:31/08/2022; 33:US ~31:63/504,183 ~32:24/05/2023

2025/00267 ~ Complete ~54:C6'-SUBSTITUTED LOCKED NUCLEIC ACID-MODIFIED CAP ANALOG AND USE THEREOF ~71:HANGZHOU TIANLONG PHARMACEUTICAL CO., LTD., No. 430, Jianding Road, Shangcheng District, People's Republic of China ~72: DONG, Kai; GAO, Chuan; HUANG, Dawei; HUANG, Huajie; JIN, Lijie; LI, Yanfen; LI, Yuqing; LIANG, Limin; LIU, Yangjian; SONG, Gengshen; YU, Xiaowen; ZHANG, Honglei; ZHANG, Jinyu~ 33:CN ~31:2024100260290 ~32:09/01/2024

2025/00275 ~ Complete ~54:DIGITAL MONITORING OF PATHOGEN LOAD IN LIVESTOCK ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BINGEMANN, Patrick; FECHER, Marco; FICKLER, Johann; IGWE, Emeka, Ignatius; LEVY, Franziska; THIEMANN, Frank~ 33:EP ~31:22179243.5 ~32:15/06/2022

2025/00289 ~ Complete ~54:PHARMACEUTICAL COMBINATION OF FAK INHIBITOR AND MICROTUBULE INHIBITOR AND USE THEREOF ~71:INXMED (NANJING) CO., LTD., Floor 3, Building 16-D-2, No.73 Shuwu, Tanmi Road, Jiangbei New District, Nanjing, Jiangsu, 210061, People's Republic of China ~72: BAOYUAN ZHANG; JIAMING GAO; PING ZHANG; RAN PANG; XUEBIN LIU; ZAIQI WANG~ 33:CN ~31:202211018821.9 ~32:24/08/2022; 33:CN ~31:202211165722.3 ~32:23/09/2022; 33:CN ~31:202310940775.6 ~32:28/07/2023

2025/00291 ~ Complete ~54:ASSEMBLY FOR THE CONVEYANCE OF HORTICULTURAL PRODUCTS ~71:UNITEC S.P.A., Via Provinciale Cotignola, 20/9, 48022, Lugo, Italy ~72: LUCA BENEDETTI~ 33:IT ~31:102022000013039 ~32:21/06/2022

2025/00293 ~ Complete ~54:CYCLOBENZAPRINE TREATMENT FOR POST-ACUTE SEQUELAE OF (SARS)-COV-2 INFECTION (PASC) ~71:TONIX PHARMACEUTICALS HOLDING CORP., 26 Main Street, Suite 101 Chatham, New Jersey, 07928, United States of America ~72: SETH LEDERMAN~ 33:US ~31:63/354,215 ~32:21/06/2022

2025/00299 ~ Complete ~54:DETERIORATION DETECTION METHOD AND SYSTEM FOR REINFORCED CONCRETE PIPELINE, DEVICE, AND STORAGE MEDIUM ~71:SUN YAT-SEN UNIVERSITY, 135 Xingang West Road, Guangzhou, People's Republic of China ~72: BI, Jingjie; HUANG, Sheng; MA, Baosong; ZHAO, Yahong~ 33:CN ~31:202311133657.0 ~32:04/09/2023

2025/00476 ~ Provisional ~54:BRICK MAKING MACHINE ~71:Mohau Petrus Nkosi, 01 PHELETSO STREET, South Africa ~72: Mohau Petrus Nkosi~

2025/00258 ~ Provisional ~54:EXPLOSIVE CHARGE TAMPING ~71:FOURIE, Johan Jacques, 54 Gawie Theron Street, South Africa ~72: FOURIE, Johan Jacques~

2025/00260 ~ Provisional ~54:UDD ~71:Bongani Sibiya, Lyeds street 423, Sunnyside, South Africa ~72: Bongani Sibiya~

2025/00271 ~ Complete ~54:IMMUNOGLOBULIN SINGLE VARIABLE DOMAINS TARGETING T CELL RECEPTOR ~71:ABLYNX NV, Technologiepark 21, Zwijnaarde, Belgium; SANOFI, 46 Avenue de la Grande, France ~72: DULLAERS, Melissa; NEYT, Katrijn; ROOBROUCK, Annelies; STAELENS, Stephanie; STEFFENSEN, Soren; VAN BELLE, Tom; VAN HOORICK, Diane; VERHELST, Judith~ 33:EP ~31:22305869.4 ~32:14/06/2022

2025/00283 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING SALBUTAMOL ~71:Aptar France SAS, LIEUDIT LE PRIEURE, LE NEUBOURG 27110 , FRANCE, France ~72: PEYRON, Isabelle;ROSSI, Irene~ 33:FR ~31:2207237 ~32:13/07/2022

2025/00285 ~ Complete ~54:HERBICIDAL PYRIMIDINONE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DESSON (deceased), Timothy Robert;WHITTINGHAM, William Guy~ 33:EP ~31:22184766.8 ~32:13/07/2022

2025/00295 ~ Complete ~54:TREATMENT OF HEMATOLOGICAL MALIGNANCIES WITH ANTIBODIES INHIBITING GALECTIN-9 ~71:PURETECH LYT, INC., 6 Tide Street Suite 400, Boston, Massachusetts, 02210, United States of America ~72: ADAM N GEORGE;ALEKSANDRA FILIPOVIC;CHRISTOPHER C KORTH;JULIE SWARTZMAN KROP~ 33:US ~31:63/356,840 ~32:29/06/2022;33:US ~31:63/394,506 ~32:02/08/2022;33:US ~31:63/394,507 ~32:02/08/2022;33:US ~31:63/425,986 ~32:16/11/2022

2025/00265 ~ Complete ~54:METHOD AND APPARATUS FOR CLASSIFYING MAIZE STALK LODGING BASED ON HYPERGRAPH NEURAL NETWORK ~71:Information Technology Research Center, Beijing Academy of Agriculture and Forestry Sciences, 1107, Block A, Agricultural Science Building, No. 11, Shuguang Huayuan Middle Road, Haidian District, Beijing, 100097, People's Republic of China ~72: HE, Xuliang;PAN, Shouhui;WANG, Kaiyi;WANG, Xiaofeng;YANG, Feng;ZHANG, Dongfeng;ZHAO, Xiangyu~ 33:CN ~31:202410489072.0 ~32:23/04/2024

2025/00269 ~ Complete ~54:MILDEW-REMOVING AGENT WITH WALNUT SHELL FOR FEED, PREPARATION METHOD AND APPLICATIONS THEREOF, AND METHOD FOR REMOVING MILDEW FROM FEED ~71:SHANXI AGRICULTURAL UNIVERSITY, No. 81 Longcheng Street, Xiaodian District, Taiyuan City, People's Republic of China ~72: JIN, Guang;LI, Bo;LI, Xi;WANG, Dongcai;XU, Fang;ZHANG, Bianying;ZHANG, Yuanqing~

2025/00278 ~ Complete ~54:SNP MOLECULAR MARKERS ASSOCIATED WITH INTRAMUSCULAR FAT TRAITS IN PIGS, AS WELL AS THEIR APPLICATIONS AND DETECTION METHODS ~71:China Agricultural University, No.2 Yuanmingyuan West Road, Haidian District, Beijing City, People's Republic of China ~72: Chan Shuheng;Fang Meiyang;He Shuaihan;Luo Yabiao;Tang Qiguo;Wang Yubei;Xue Mingming~ 33:CN ~31:2022108762474 ~32:25/07/2022

2025/00284 ~ Complete ~54:RNAI CONSTRUCTS AND METHODS FOR INHIBITING FAM13A EXPRESSION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: GRIEGO, Briana Renee;HOLDER, Jerry Ryan;HOMANN, Oliver R.;KILLION, Elizabeth Ann;MEADE, Bryan;MURRAY, Justin K.;VENIANT ELLISON, Murielle Marie~ 33:US ~31:63/391,860 ~32:25/07/2022

2025/00296 ~ Complete ~54:THERAPEUTIC COMPOSITIONS AND METHODS FOR AGE-RELATED MACULAR DEGENERATION ~71:CHARACTER BIOSCIENCES, INC., 155 Second Street, Jersey City, New Jersey, 07302, United States of America ~72: ERIK KARRER;JONATHAN GUMUCIO;MARCEL VAN DER BRUG;MARIA AVRUTSKY~ 33:US ~31:63/389,355 ~32:14/07/2022

2025/00264 ~ Complete ~54:EXPLORATION METHOD FOR TIN-BERYLLIUM ORE ~71:Chaidamu Comprehensive Geological and Mineral Exploration Institute of Qinghai Province(Chaidamu Basin Key Laboratory of Salt Lake Resource Exploration and Research of Qinghai Province), No. 12 Kunlun South Road, Golmud City, Qinghai Province, 816099, People's Republic of China ~72: CUI, Qiangqiang;HUANG, Guobiao;JIAO, He;MA, Wei;MA, Zhanqing;QI, Shanzhi;QUAN, Chaojun;YE, Fuyuan~

2025/00261 ~ Complete ~54:BENDABLE HINGE FOR FOLDABLE MOBILE PHONE ~71:SHENZHEN FROG TECHNOLOGY CO., LTD, Rm B 22F, Changhong Technology Building, South 12 Rd., Southern High-Tech Park,

Nanshan District, Shenzhen, 518000, People's Republic of China ~72: Qiang Wu~ 33:CN ~31:2024226005405
~32:28/10/2024

2025/00270 ~ Complete ~54:UNDERGROUND PIPELINE MEASURING METHOD ~71:BEIJING FORESTRY UNIVERSITY, 35 Qinghua East Road, Haidian District, People's Republic of China;BEIJING INSTITUTE OF SURVEYING AND MAPPING DESIGN, No.15 Yangfangdian Road, Haidian District, People's Republic of China;BEIJING SOCIETY OF SURVEYING AND MAPPING, No.15 Yangfangdian Road, Haidian District, People's Republic of China ~72: CAI, Cai;FAN, Guangpeng;GUO, Jiani;LIU, Fengzhu;QI, Yongliang;WANG, Miao;WANG, Yongguo;WU, Shuang;XING, Xiaojuan;XU, Liangliang;YANG, Bogang;YU, Tiantian;ZHANG, Shuangshuang;ZHANG, Yi;ZHAO, Haoran~

2025/00273 ~ Complete ~54:AGRICULTURAL SAMPLE PACKAGING SYSTEM ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KAISER, Jesse;KOCH, Dale~ 33:US ~31:63/369,722 ~32:28/07/2022;33:US ~31:63/369,765 ~32:29/07/2022;33:US ~31:63/369,988 ~32:01/08/2022;33:US ~31:63/489,209 ~32:09/03/2023;33:IB ~31:PCT/IB2023/057236 ~32:14/07/2023

2025/00280 ~ Complete ~54:FCRN-BINDING POLYPEPTIDES AND USES THEREOF ~71:Inhibrx Biosciences, Inc., 11025 N. Torrey Pines Road, Suite 140, LA JOLLA 92037, CA, USA, United States of America ~72: ECKELMAN, Brendan P.;HOLLANDS, Andrew;MA, Milton;SULZMAIER, Florian;TIMMER, John C.~ 33:US ~31:63/351,363 ~32:11/06/2022;33:US ~31:63/437,776 ~32:09/01/2023

2025/00287 ~ Complete ~54:CRYSTALLINE FORMS OF 1,2,4-OXADIAZOLE FUNGICIDES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: ELSNER, Jochen;TERINEK, Miroslav~ 33:EP ~31:22186283.2 ~32:21/07/2022

2025/00292 ~ Complete ~54:ANTI-STEAP1 ANTIGEN-BINDING MOLECULES AND USES THEREOF ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: DHAYA SESHASAYEE;GABRIELE MARIA SCHAEFER;ISIDRO HOTZEL;JULIEN LAFRANCE-VANASSE;MEREDITH CARROLL HAZEN~ 33:US ~31:63/391,568 ~32:22/07/2022

2025/00298 ~ Complete ~54:IL-18 FUSION PROTEINS AND METHODS OF PRODUCING IL-18 ~71:FUSE BIOTHERAPEUTICS INC., 7A Henshaw Street, Woburn, Massachusetts, 01801, United States of America ~72: BRIAN RABINOVICH;JEFFREY TAKIMOTO;XUEYUAN ZHOU~ 33:US ~31:63/395,476 ~32:05/08/2022;33:US ~31:63/463,505 ~32:02/05/2023

2025/00274 ~ Complete ~54:AGRICULTURAL SAMPLE PACKAGING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: BUCHER, Seth;KAISER, Jesse;KOCH, Dale;WILDERMUTH, Paul;ZHANG, Matthew~ 33:US ~31:63/369,722 ~32:28/07/2022;33:US ~31:63/369,765 ~32:29/07/2022;33:US ~31:63/369,988 ~32:01/08/2022;33:US ~31:63/489,209 ~32:09/03/2023;33:IB ~31:PCT/IB2023/057236 ~32:14/07/2023

2025/00281 ~ Complete ~54:DIGITAL SIGNATURE ~71:Hewlett-Packard Development Company, L.P., 10300 Energy Drive, SPRING 77389, TX, USA, United States of America ~72: EVEREST, Paul S.;HARMON, Michael;PANSHIN, Stephen D.~

- APPLIED ON 2025/01/09 -

2025/00302 ~ Provisional ~54:ABDOMINAL EXERCISE DEVICE ~71:Willem Johannes van Straaten, 130 Trafalgar Place, Sandhurst, South Africa ~72: Willem Johannes van Straaten~

2025/00309 ~ Complete ~54:ANALYSIS METHOD OF SPATIAL TRANSCRIPTOME-BASED 4D-PRINTED STEM CELL SCAFFOLD FOR IMPROVING DIABETIC SKIN INJURY ~71:Qingdao University, No. 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Chongwang WANG;Dan HAN;Jiaxu SONG;Liang ZHANG;Wenhua XU;Xiaomin WANG;Xiaoying KONG;Yan TANG;Yiwei XU;Zhen SHANG~ 33:CN ~31:2024114871213 ~32:24/10/2024

2025/00314 ~ Complete ~54:EARLY WARNING SYSTEM AND METHOD FOR MONITORING MINE GEOLOGICAL DISASTERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Wenchao;JIANG Zhongfeng;LI Shuaiqi;LI Songfeng;LIANG Feng;TIAN Junfeng;WANG Jin;WANG Yong;WU Li;ZHANG Peixin~

2025/00319 ~ Complete ~54:FUSION CONSTRUCTS AND METHODS OF USING THEREOF ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: CHANGHUNG CHEN;HELEN SABZEVARI;RUTUL R SHAH;SIMON METENOU~ 33:US ~31:62/695,623 ~32:09/07/2018;33:US ~31:62/695,627 ~32:09/07/2018;33:US ~31:62/863,710 ~32:19/06/2019;33:US ~31:62/864,367 ~32:20/06/2019;33:US ~31:62/866,420 ~32:25/06/2019

2025/00325 ~ Complete ~54:ANCHORED CABLE RETAINING WALL STRUCTURE WITH COMBINED TENSION AND COMPRESSION ~71:Hunan University of Technology, No. 88, Taishan West Road, Tianyuan District, Zhuzhou City, Hunan Province, People's Republic of China ~72: Chen Shuhua;Jin Can;Shuai Yuying;Tang Xiya;Zhou Junhao~

2025/00327 ~ Complete ~54:WIRELESS INTELLIGENT BRAIN WAVE MONITORING DEVICE FOR SMALL ANIMALS ~71:North Sichuan Medical College, No. 55 Dongshun Road, Gaoping District, Nanchong City, Sichuan Province, People's Republic of China ~72: Chen Wei;Ma Ao~

2025/00337 ~ Complete ~54:METAL POLYMER COMPLEXES METHODS FOR CARBON DIOXIDE CAPTURE ~71:Lehigh University, 27 Memorial Drive West, BETHLEHEM 18015, PA, USA, United States of America ~72: CHEN, Hao;SENGUPTA, Arup K.~ 33:US ~31:63/318,449 ~32:10/03/2022;33:US ~31:63/342,948 ~32:17/05/2022

2025/00308 ~ Complete ~54:A DUST SUPPRESSION DEVICE FOR CONSTRUCTION ENGINEERING ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Chaoyang Jie;Kewang Zhu;Kunhao Zhang;Senchun Jia;Wei Guo;Xiaohui Li;Yaqiong Dong;Zhixia Fu~

2025/00312 ~ Complete ~54:PSEUDOMONAS STUTZERI, MICROBIAL AGENT AND APPLICATION ~71:Yangtze University, 111 Daxue Road, Caidian District, Wuhan City, Hubei Province, 430100, People's Republic of China ~72: DONG, Hao;SHE, Yuehui;SHE, Yujie;SHU, Fuchang;SUN, Shanshan;ZHANG, Fan~ 33:CN ~31:202411639663.8 ~32:15/11/2024

2025/00316 ~ Complete ~54:COMPOSITE ECOLOGICAL BREEDING METHOD OF RIVER CRAB, POLYODONSPATHALA AND VIVIPARIDAE ~71:Suqian Agricultural Science Institute, Jiangsu Academy of Agricultural Sciences, No.16 Suzhi Road, Suqian City, Jiangsu Province, 223800, People's Republic of China ~72: Dandan GAO;Gaowei ZHANG;Jinfeng SHAN;Xuanpeng WANG;Yongchun GE~

2025/00323 ~ Complete ~54:COMPOSITIONS FOR SUPPLEMENTARY CEMENTITIOUS MATERIAL AND METHODS OF MAKING ~71:ENVICORE INC., 253147 BEARSPAW ROAD, CALGARY, AB T3L 2P7, CANADA, United States of America ~72: PANDEY, Aseem;SHAMIM, Shahrukh~ 33:US ~31:18/886,668 ~32:16/09/2024

2025/00331 ~ Complete ~54:REFRIGERATION CYCLE APPARATUS ~71:DAIKIN INDUSTRIES, LTD., Osaka Umeda Twin Towers South, 1-13-1, Umeda, Kita-Ku,, Osaka-shi, Osaka, 5300001, Japan;THE UNIVERSITY OF TOKYO, 3-1, Hongo 7-chome, Bunkyo-Ku, Tokyo, 1138654, Japan ~72: ARUN MAJUMDAR;EIJI KUMAKURA;HIROFUMI DAIGUJI;HIROKI UEDA;JUBAIR AHMED SHAMIM;KAZUHIRO FURUSHO;KOSUKE NISHIMURA;MASAKI TANAKA;RYUHEI KAJI;WEI-LUN HSU;YOSHIMASA KIKUCHI~ 33:US ~31:63/356,360 ~32:28/06/2022

2025/00333 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road, Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;HANS-PETER VORNLOCHER;JOCHEN DECKERT;JOHN NAJIM;KATHRIN HULTSCH;MARKUS HOSSBACH;MOHAMMED T QATANANI;NELSON HSIA;OXANA BESKROVNAYA;QIFENG QIU;ROMESH R SUBRAMANIAN;SCOTT HILDERBRAND;STEFANO ZANOTTI;TIMOTHY WEEDEN~ 33:US ~31:63/367,783 ~32:06/07/2022;33:US ~31:63/477,160 ~32:23/12/2022

2025/00344 ~ Complete ~54:METHOD FOR CONTROLLING A PROCESS COMPRISING A STEAM SYSTEM COUPLED TO A REACTOR SYSTEM ~71:BP PLC, 1 St James's Square, LONDON SW1Y 4PD, GREATER LONDON, UNITED KINGDOM, United Kingdom;Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, EC4A 4AB, LONDON, UNITED KINGDOM, United Kingdom ~72: BAKER, Robert Miles;TAMSETT, Colin;TURNBULL, Matthew Barry~ 33:GB ~31:2213201.3 ~32:09/09/2022;33:GB ~31:2306773.9 ~32:09/05/2023

2025/00342 ~ Complete ~54:SYSTEM AND METHOD FOR RECYCLING MAGNETIC MATERIAL AND RARE EARTH ELEMENTS CONTAINED THEREIN ~71:CYCLIC MATERIALS INC., 609 Fieldstone Dr. Kingston, Ontario K7K 0B9, K7K 0B9, CANADA, Canada ~72: FORSTNER, Alexander;GHAHREMAN, Ahmad;HEPBURN, Matthew James;NEE Jr., Patrick W.~ 33:US ~31:63/366,374 ~32:14/06/2022;33:US ~31:63/399,474 ~32:19/08/2022;33:US ~31:63/399,496 ~32:19/08/2022

2025/00300 ~ Provisional ~54:DECENTRALISED AI-DRIVEN INSURANCE REWARDS PLATFORM WITH SMART CONTRACTS AND ADAPTIVE COMPLIANCE MECHANISMS ~71:Kabelo Diale, 7 Comet Street, South Africa ~72: Kabelo Diale~

2025/00304 ~ Complete ~54:A STANDARDIZED DEVICE FOR ANIMAL SKIN BURN MODELING ~71:Qingdao University, 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Dan HAN;Junlin LYV;Liang ZHANG;Mengyu ZHANG;Nailong PAN;Wenhua XU;Xiao XU;Xiaomin WANG;Xiaoying KONG;Xin MA;Yan TANG~ 33:CN ~31:2024113546690 ~32:27/09/2024

2025/00311 ~ Complete ~54:A MODULAR DESIGN CONTROL SYSTEM FOR AN ELECTRIC CABINET ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Guangcheng Xing;Jikui Zhang;Meng Zheng;Wei Guo;Wenjie Si;Wenwen Liu;Xiaohui Li;Xiaozhe Sun~

2025/00317 ~ Complete ~54:PALLET ~71:CYCLIQ (PTY) LTD, 16 Makriel Road, Wadeville, South Africa ~72: COLMAN, Graham~ 33:ZA ~31:2023/09532 ~32:12/10/2023

2025/00328 ~ Complete ~54:PEPTIDE EXHIBITING MUSCLE LOSS PREVENTION AND MUSCLE MASS PROMOTION ACTIVITIES, AND USE THEREOF ~71:CAREGEN CO., LTD., 6-38, LS-ro 91beon-gil, Dongan-gu, Anyang-si, Republic of Korea ~72: CHUNG, Yong Ji;KIM, Eun Mi;KIM, Seon Soo~ 33:KR ~31:10-2022-0071033 ~32:10/06/2022

2025/00338 ~ Complete ~54:APPARATUS AND METHOD FOR ENCODING OR DECODING AR/VR METADATA WITH GENERIC CODEBOOKS ~71:Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V., Hansastraße 27c, MÜNCHEN 80686, GERMANY, Germany ~72: BORß, Christian~ 33:IB ~31:2022/069523 ~32:12/07/2022

2025/00346 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF METABOLIC AND LIVER DISORDERS ~71:VIKING THERAPEUTICS, INC., 9920 Pacific Heights Blvd., Suite 350, United States of America ~72: BARKER, Geoffrey E.;ENUGURTHI, Brahmachary;LIAN, Brian;STEVENS, Erland~ 33:US ~31:63/390,911 ~32:20/07/2022

2025/00332 ~ Complete ~54:REFRIGERATION CYCLE APPARATUS ~71:DAIKIN INDUSTRIES, LTD., Osaka Umeda Twin Towers South, 1-13-1, Umeda, Kita-Ku,, Osaka-shi, Osaka, 5300001, Japan;THE UNIVERSITY OF TOKYO, 3-1, Hongo 7-chome, Bunkyo-Ku, Tokyo, 1138654, Japan ~72: ARUN MAJUMDAR;EIJI KUMAKURA;HIROFUMI DAIGUJI;JUBAIR AHMED SHAMIM;WEI-LUN HSU~ 33:US ~31:63/356,370 ~32:28/06/2022

2025/00334 ~ Complete ~54:CNS TARGETING COMPLEXES AND USES THEREOF ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road, Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JIN CUI;JOHN NAJIM;JONATHAN MCNEILL;KIM TANG;MOHAMMED T QATANANI;OXANA BESKROVNAYA;ROMESH R SUBRAMANIAN;STEFANO ZANOTTI;SUSANA CORREIA;TIMOTHY WEEDEN~ 33:US ~31:63/367,814 ~32:06/07/2022;33:US ~31:63/496,184 ~32:14/04/2023

2025/00347 ~ Complete ~54:HEAT TREATMENT OF NANODIAMOND PARTICLES WITH CONTROLLED POWDER LAYER DEPTH ~71:SCHLUMBERGER TECHNOLOGY B.V., Parkstraat 83, Netherlands ~72: BAO, Yahua~ 33:US ~31:63/366,439 ~32:15/06/2022

2025/00306 ~ Complete ~54:CULTURE METHOD AND APPLICATION FOR PORCINE LIMBAL EPITHELIAL STEM CELLS ~71:Qingdao University, No. 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Dan HAN;Junlin LYU;Liang ZHANG;Nailong PAN;Shan YANG;Wenhua XU;Xiaomin WANG;Xiaotong LI;Xiaoying KONG;Zhen SHANG~ 33:CN ~31:2024116868234 ~32:25/11/2024

2025/00313 ~ Complete ~54:METHOD AND SYSTEM FOR EVALUATING SERVICE QUALITY IN PUBLIC PLACES BASED ON MULTIMODAL FUSION ~71:North China University of Technology, No. 5, Jinyuanzhuang Road, Shijingshan District, Beijing, 100144, People's Republic of China ~72: CAI, Xichang;CHEN, Jingxuan;ZUO, Liangxiao~ 33:CN ~31:202410247968.8 ~32:05/03/2024

2025/00320 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING HYPERCHOLESTEROLEMIA ~71:EMENDOBIO INC., 1013 Centre Road, Suite 403-b Wilmington, Delaware 19805, United States of America ~72: JOSEPH DICKEN;MICHAL GOLAN MASHIACH;RAFI EMMANUEL~ 33:US ~31:63/164,396 ~32:22/03/2021;33:US ~31:63/304,170 ~32:28/01/2022

2025/00330 ~ Complete ~54:IMPROVED METHOD FOR CONVERTING A FEEDSTOCK CONTAINING A BIOMASS FRACTION FOR THE PRODUCTION OF HYDROCARBONS BY MEANS OF FISCHER-TROPSCH SYNTHESIS ~71:AVRIL, 11-13 RUE DE MONCEAU, 75008, France;AXENS, 89 Bd Franklin Roosevelt, B.P. 50802, France;BIONEXT, Chemin de l'usine, France;COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, Batiment le Ponant D, 25 rue Leblanc, France;IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois Préau, France;THYSSENKRUPP UHDE GMBH, Friedrich-Uhde-Strasse 15, Germany;TOTALENERGIES ONETECH, 2 Place Jean Millier, La Défense 6, France ~72: HECQUET, Micheal;HERAUD, Jean-Philippe;KALAYDJIAN, François;PIRES DA CRUZ, Antonio~ 33:FR ~31:FR2207451 ~32:20/07/2022

2025/00340 ~ Complete ~54:AGRICULTURAL COMPOSITIONS AND METHODS ~71:Carus Animal Health Limited, Castle Court, 41 London Road, REIGATE RH2 9RJ, SURREY, UNITED KINGDOM, United Kingdom ~72: FIRTH, Gregory James;ODEDRA, Rajesh Muru~ 33:GB ~31:2210435.0 ~32:15/07/2022

2025/00345 ~ Complete ~54:STRUCTURAL BLOCK WALL SYSTEM AND METHOD ~71:HEMPBLOCK INTERNATIONAL PTY LTD, Michael Buck IP, PO Box 78, Australia ~72: TIJSSEN, Eric Johan~ 33:AU ~31:2022901812 ~32:29/06/2022

2025/00343 ~ Complete ~54:FORMULATION OF AN AMPHOTERICIN B HYBRID AMIDE DERIVATIVE IN DSGPEG2K MICELLES ~71:Elion Therapeutics, Inc., 345 Park Avenue South, 12th Floor, NEW YORK 10010 , NY, USA, United States of America;The Board of Trustees of the University of Illinois, 352 Henry Administration Building, 506 South Wright Street, URBANA 61801, IL, USA, United States of America ~72: BURKE, Martin D.;MAJI, Arun;WEERS, Jeffry G.~ 33:US ~31:63/355,345 ~32:24/06/2022

2025/00301 ~ Provisional ~54:ANTI-THEFT GATE MOTOR COVER ~71:Sean Joseph Mohamed, 2 Slabbert Street, South Africa ~72: Sean Joseph Mohamed~

2025/00305 ~ Complete ~54:A NEW APPLICATION FOR PIR-HSA-164586 AND MYH9 ~71:Qingdao University, 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Dan HAN;Liang ZHANG;Mengyu ZHANG;Shengjie LIU;Wenhua XU;Xiaomin WANG;Xiaoying KONG;Xin MA;Yan TANG~ 33:CN ~31:2024112734476 ~32:12/09/2024

2025/00310 ~ Complete ~54:UNLOADING DEVICE WITH SYNCHRONOUS CONTROL OF NON-STOP BACKFILLING AND WORKING FACE PROPULSION AND METHOD ~71:National Energy Group Ningxia Coal Industry Co., Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China;Ningxia Tiandi Northwest Coal Machinery Co., Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;HAN Fangjun;LAN Chunsen;MA Liwei;MA Yue;MA Yupeng;MIAO Jing;TONG Jianzhong;WANG Hao;WANG Ning;WANG Xinghong;YANG Hai;YANG Ping~

2025/00315 ~ Complete ~54:AEROBIC GRANULAR SLUDGE REACTOR FOR DOMESTIC SEWAGE PRETREATMENT WITH IMPURITIES ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GENG Yanxiang;LI Songya;WANG Le;WANG Linpei;WU Junfeng~

2025/00322 ~ Complete ~54:EQUALIZATION-BASED IMAGE PROCESSING AND SPATIAL CROSSTALK ATTENUATOR ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: MEHIO, Rami;OJARD, Eric Jon;PARNABY, Gavin Derek;UDPA, Nitin;VIECELI, John S.~ 33:US ~31:63/020,449 ~32:05/05/2020;33:US ~31:17/308,035 ~32:04/05/2021

2025/00326 ~ Complete ~54:A TRAFFIC DEMAND-ORIENTED DEPLOYMENT METHOD FOR ACCESS POINTS IN CELL-FREE MASSIVE MIMO NETWORKS ~71:XI'AN UNIVERSITY OF POSTS & TELECOMMUNICATIONS, No. 563, Chang'an South Road, Xi'an, Shaanxi Province, People's Republic of China ~72: Du Jianbo;Feng Dan;Jiang Jing;Lu Guangyue;Wang Jin;Zhen Li~

2025/00329 ~ Complete ~54:METHODS OF MAKING TOLEBRUTINIB ~71:PRINCIPIA BIOPHARMA INC., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: BAILLY, Frédéric;BENELLI, Christophe;BORIE, Cyril;BOSCH, Michaël;CABOS, Claude;CHARAUDEAU, Alexis;JANSSENS, Laurence;PACQUET, François;RODIER, Fabien;SALLÉ, Laurent;SODO, Alfred;VIGNE, Sylvie~ 33:US ~31:63/351,996 ~32:14/06/2022

2025/00336 ~ Complete ~54:TRICYCLIC COMPOUNDS AND USES THEREOF ~71:CSPC ZHONGQI PHARMACEUTICAL TECHNOLOGY (SHIJIAZHUANG) CO., LTD., No. 896, Zhongshan East Road, High-Tech Zone, Shijiazhuang, Hebei, 050035, People's Republic of China ~72: CHUANWU ZHAO;JIA GENG;JIANQIAO GUO;KEZHU WANG;KUANGLEI WANG;QIANYI CHENG;WENHAO CHU;WENMIN GUO;XIAOLIN ZHANG;XUEJIAO ZHANG;YONGMEI LIU~ 33:CN ~31:202210734328.0 ~32:27/06/2022;33:CN ~31:202211120467.0 ~32:15/09/2022;33:CN ~31:202310135765.5 ~32:20/02/2023

2025/00339 ~ Complete ~54:ULOTARONT FOR THE ADJUVANT TREATMENT OF MAJOR DEPRESSIVE DISORDER ~71:Sumitomo Pharma America, Inc., 84 Waterford Drive, MARLBOROUGH 01752, MA, USA, United States of America ~72: DEDIC, Nina;HAYES, Robert;KENT, Justine~ 33:US ~31:63/373,909 ~32:30/08/2022

2025/00303 ~ Complete ~54:AN ISOLATION AND CULTURE METHOD AND APPLICATION FOR PORCINE ENDOMETRIAL MESENCHYMAL STEM CELLS ~71:Qingdao University, 308 Ningxia Road, Shinan District, Qingdao, Shandong Province, 266075, People's Republic of China ~72: Dan HAN;Liang ZHANG;Quan TIAN;Wenhua XU;Xiao XU;Xiaomin WANG;Yan TANG~ 33:CN ~31:2024114147700 ~32:11/10/2024

2025/00307 ~ Complete ~54:APPLICATION OF SPINE GRAPE (VITIS DAVIDII FOEX) WINE PHENOLS IN PREPARATION OF ANTIOXIDANT AND CANCER CELL PROLIFERATION RESISTANT HEALTH CARE PRODUCTS ~71:Taishan University, No. 525, Dongyue Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: LI, Cuixia;ZHAN, Jieli;ZHAO, Xianhua~

2025/00318 ~ Complete ~54:PHARMACEUTICALLY ACCEPTABLE SALTS OF SEPIAPTERIN ~71:PTC THERAPEUTICS MP, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: DANIEL E LEVY;HIROSHI YOSHINO;JONATHAN REIS;KAITO KISHIMOTO;NEIL SMITH;SHUNICHI MURATA;TAICHI KOMODA;TAKAYOSHI MATSUMOTO;YUICHI SHIRO~ 33:US ~31:62/678,025 ~32:30/05/2018;33:US ~31:62/726,612 ~32:04/09/2018;33:US ~31:62/822,336 ~32:22/03/2019;33:GC ~31:2019/37661 ~32:28/05/2019

2025/00321 ~ Complete ~54:ROCK ANCHOR TESTING ~71:BADGER EQUIPMENT (PTY) LTD, 77 Wattle Road, South Africa ~72: GRIX, Etienne Douglas Lenox~ 33:ZA ~31:2023/09439 ~32:10/10/2023

2025/00324 ~ Complete ~54:CONSISTENT-COVERAGE ORIENTED AP DEPLOYMENT OPTIMIZATION IN CELL FREE AND LEGACY COEXISTENCE NETWORK ~71:XI'AN UNIVERSITY OF POSTS & TELECOMMUNICATIONS, No. 563, Chang'an South Road, Xi'an, Shaanxi Province, People's Republic of China ~72: Du Jianbo;Feng Dan;Jiang Jing;Lu Guangyue;Wang Jin;Zhen Li~

2025/00335 ~ Complete ~54:BIOREACTOR WITH MEMBRANE FILTRATION AND METHODS FOR TREATING WASTEWATER ~71:BL TECHNOLOGIES, INC., 5951 Clearwater Drive, Minnetonka, Minnesota, 55343, United States of America ~72: CHRISTOPHER SHAW;QIRONG DONG;SYLVAIN DONNAZ;ZAMIR ALAM;ZEBO LONG~ 33:US ~31:63/389,126 ~32:14/07/2022

2025/00341 ~ Complete ~54:APPARATUS AND METHOD FOR ENCODING OR DECODING OF PRECOMPUTED DATA FOR RENDERING EARLY REFLECTIONS IN AR/VR SYSTEMS ~71:Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e. V., Hansastraße 27c, MÜNCHEN 80686, GERMANY, Germany ~72: BORSS, Christian~ 33:IB ~31:2022/069522 ~32:12/07/2022

- APPLIED ON 2025/01/10 -

2025/00358 ~ Complete ~54:APPARATUS AND METHOD FOR REMOVING TORSION FAULT OF CONVEYOR BELT OF PIPE BELT CONVEYOR ~71:Taiyuan University of Science and Technology, Taiyuan University of

Science and Technology, No.66 Waliu Road, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: JIN, Yangfei;LIANG, Weiqiang;MENG, Wenjun;SUN, Zhengyu;YUAN, Yuan;ZHANG, Biao;ZHAO, Zhangda-33:CN ~31:202410676270.8 ~32:29/05/2024

2025/00369 ~ Complete ~54:AN OPERATING TABLE WITH ADJUSTABLE ANGLES ~71:Jing Ma, No. 236, Gongshang Lane, Jiefang South Road, Daokou Town, Huaxian County, Henan Province, 456400, People's Republic of China ~72: Jiale Xu;Jing Ma~

2025/00383 ~ Complete ~54:CELASTROL DERIVATIVES ~71:CELLORAM INC., 11000 Cedar Avenue 100F, #23 Cleveland, Ohio, 44106, United States of America ~72: ELIZABETH MEYERS;LIRAZ LEVI;SEONG-JIN KIM;SEUNGHWAN LIM;TEJ KUMAR PAREEK;WILLIAM J GREENLEE~ 33:US ~31:63/389,593 ~32:15/07/2022

2025/00387 ~ Complete ~54:HERBICIDAL BENZOXAZINES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: ALISON MARY LEVENS;MICHAEL HOLMES;SAPTARSHI DE;STEPHEN FREDERICK MCCANN;YU TANG~ 33:US ~31:63/389,027 ~32:14/07/2022

2025/00388 ~ Complete ~54:TRANSPARENT COSMETIC AND PERSONAL CARE COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HAILEY KELSO;KELVIN BRIAN DICKINSON;LEANNE CHELSEA JENKINS;SOUAD ASSIGHAOU~ 33:EP ~31:22190399.0 ~32:15/08/2022

2025/00375 ~ Complete ~54:VOLTAGE MONITORING ARRANGEMENT FOR AN ELECTRIC CELL STACK, PARTICULARLY FOR A FUEL CELL STACK ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: FLINK, Johan;MUNTHE, Stefan;VELÉN, Robin~ 33:SE ~31:2250918-6 ~32:18/07/2022

2025/00379 ~ Complete ~54:RESOURCE INFORMATION INTERACTIVE MANAGEMENT SYSTEM FOR DIFFERENTIATED AND COORDINATED DEVELOPMENT OF COUNTY ECONOMY ~71:HUNAN WOMEN'S UNIVERSITY, No.160, Zhongyi 1st Road, Changsha, Hunan, 410000, People's Republic of China ~72: LI, Rong-33:CN ~31:202311742003.8 ~32:18/12/2023

2025/00349 ~ Complete ~54:URIDINE TRIACETATE AMORPHOUS FORMULATION AND USES THEREOF ~71:PHARMA CINQ, LLC, 1601 Research Boulevard, Rockville, United States of America ~72: BAMAT, Michael, Kevin;GAO, Yi;MILLER, Jeffrey, A.;QIU, Yihong;VON BORSTEL, Reid, W.~ 33:US ~31:63/392,304 ~32:26/07/2022

2025/00357 ~ Complete ~54:AUTOMATIC CLEANING AND RECYCLING DEVICE FOR MINE SCRAPER CONVEYOR ~71:Taiyuan University of Science and Technology, No. 66 Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: LI, Yunfei;MENG, Wenjun;SUN, Zhengyu;WANG, Zhaolong;ZHANG, Haoyu;ZHANG, Yong'an~ 33:CN ~31:202410820756.4 ~32:24/06/2024

2025/00360 ~ Complete ~54:QUANTITATIVE METHOD FOR ASSESSING CRITICAL STATE OF SEDIMENT SUSPENSION IN VEGETATED WATER BODIES ~71:North China Electric Power University, No. 2, Beinong Road, Huilongguan, Changping District, Beijing, 102206, People's Republic of China ~72: JIA, Hao;TANG, Caihong;ZHANG, Shanghong~

2025/00384 ~ Complete ~54:FUNCTIONAL NUCLEIC ACID MOLECULE AND METHOD ~71:THE UNIVERSITY COURT OF THE UNIVERSITY OF EDINBURGH, Old College South Bridge, Edinburgh, EH8 9YL, United Kingdom ~72: MANTAS MATJUSAITIS;STEVEN POLLARD~ 33:GB ~31:2211123.1 ~32:29/07/2022

2025/00354 ~ Complete ~54:ANTIBODY RESISTANT TO BOTRYTIS CINEREA RPL1 PROTEIN AND APPLICATION ~71:INSTITUTE OF VEGETABLES, TIBET ACADEMY OF AGRICULTURE AND ANIMAL HUSBANDRY SCIENCES, NO. 147, JINZHU WEST ROAD, People's Republic of China ~72: Baimayangjin;LI, Yanfeng;ZHANG, Kai;ZHAO, Liyang~

2025/00359 ~ Complete ~54:MULTIFOCAL ULTRA-THIN LENS WITHOUT POLARIZATION DEPENDENCE ~71:Jining Medical University, No. 133 Hehua Road, Beihu New District, Jining City, Shandong Province, 272067, People's Republic of China ~72: REN, Xiandong;WEI, Tao;XU, Xi;YAN, Yiming;ZHANG, Qi;ZHOU, Shun~

2025/00363 ~ Complete ~54:WATER LEVEL ALARM DEVICE FOR EARLY WARNING OF COAL MINE WATER DISASTERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Wenchao;JI Yajuan;JIANG Zhongfeng;LI Songfeng;LIANG Feng;TIAN Junfeng;WANG Wanlu;WANG Yong;WU Li;ZHANG Peixin~

2025/00371 ~ Complete ~54:A TROLLEY FOR LABORATORY MANAGEMENT ~71:Hunan Institute of Science and Technology, No. 439, Xiangbei Avenue, Yueyanglou District, Yueyang City, Hunan Province, People's Republic of China ~72: Feng Juan;Liu Yi;Lv Yong;Shi Hui;Yu Shuixiang;Yu Yi;Zhou Hualin~

2025/00368 ~ Complete ~54:A BRAKING DEVICE FOR CONTROLLING A THREE-PHASE MOTOR ~71:Anhui Technical College of Mechanical and Electrical Engineering, No.16 Wenjin West Road, Higher Education Park, Yijiang District, Wuhu City, Anhui Province, 241002, People's Republic of China ~72: Cheng Li;Jiapeng Zou;Junda Zhang;Min Li;Yanhui Huang;Zhijun Cai~

2025/00377 ~ Complete ~54:AN INSTANTLY DISSOLVABLE JAGGERY CUBE AND A METHOD OF PREPARATION THEREOF ~71:BHARDWAJ, Yojna, RZ-40/15A, Sadh Nagar Part 2, Palam Colony, New Delhi, 110045, India;GUPTA, Shefali, 1847, Outram Lines, GTB Nagar, New Delhi, 110009, India ~72: BHARDWAJ, Yojna;GUPTA, Shefali~ 33:IN ~31:202211040232 ~32:13/07/2022

2025/00380 ~ Complete ~54:COMBINATION THERAPY ~71:Leap Therapeutics, Inc., 47 Thorndike Street, Suite B1-1, CAMBRIDGE 02141, MA, USA, United States of America ~72: HAAS, Michael;KAGEY, Michael H.;SIRARD, Cynthia A.~ 33:US ~31:63/388,553 ~32:12/07/2022

2025/00385 ~ Complete ~54:USE OF A COMPOSITION FOR BOOSTING SKIN'S NIGHT REPAIR ASSOCIATED FUNCTIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANITA DAMODARAN;MRUTHYUNJAYA SWAMY MATHAPATHI;SATISH KUMAR VENKATESH;TANYA RACHAEL THOMAS~ 33:IN ~31:202221049307 ~32:29/08/2022;33:EP ~31:22201497.9 ~32:14/10/2022

2025/00352 ~ Provisional ~54:AN E-LEARNING SYSTEM ~71:MBEWE, Kabelo, LEMONWOOD STREET, 18 RUBY COURT, ECO -PARK ESTATE, 0157, SOUTH AFRICA, South Africa ~72: MBEWE, Kabelo~

2025/00353 ~ Complete ~54:CONTAINER AND METHOD OF ERECTING A CONTAINER ~71:APL CARTONS (PTY) LTD, Abattoir Road, South Africa ~72: BOTES, Marthinus Ryk~ 33:ZA ~31:2024/00379 ~32:11/01/2024

2025/00355 ~ Complete ~54:ANTIBODY FOR RESISTANT PHYTOPHTHORA HIBERNALIS ATP1 PROTEIN AND APPLICATION THEREOF ~71:INSTITUTE OF VEGETABLES, TIBET ACADEMY OF AGRICULTURE AND ANIMAL HUSBANDRY SCIENCES, NO. 147, JINZHU WEST ROAD, People's Republic of China ~72: Baimayangjin;LI, Yanfeng;ZHANG, Kai;ZHAO, Liyang~

2025/00356 ~ Complete ~54:AUTOMATIC TORSION ADJUSTING SYSTEM FOR PIPE BELT CONVEYOR ~71:Taiyuan University of Science and Technology, No. 66 Waliu Road, Wanbailin District, Taiyuan City, Shanxi

Province, 030024, People's Republic of China ~72: MENG, Wenjun;REN, Hong;SUN, Xiaoxia;SUN, Zhengyu;YIN, Xuan;ZHANG, Haoyu;ZHAO, Xiaoxia;ZHAO, Zhangda~ 33:CN ~31:202410970521.3 ~32:19/07/2024

2025/00361 ~ Complete ~54:NURSERY OPERATION METHOD FOR GRAFTING AND BREEDING OF CASTANOPSIS HYSTRIX SUPERIOR TREES ~71:EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY, 201 Keyuan Road, Pingxiang City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: HE Zhiming;HOU Jia;JIA Hongyan;LI Fushen;LI Qiuli;LIU Guangjin;SU Lijun;TANG Guoqiang;TIAN Zuwei;WU Xiangli;WU Yuehai~

2025/00364 ~ Complete ~54:A COMPREHENSIVE UTILIZATION AND PURIFICATION METHOD OF BIOBASED SYNGAS CONTAINING FURAN ~71:Hongye biotechnology Co., Ltd., Biomass Energy Industrial Park, Nanle County, Puyang City, Henan province, People's Republic of China ~72: CHEN WEI;CHEN ZHIYONG;WU TONGDA;XING PEIZHI~

2025/00389 ~ Provisional ~54:TAXI DM NOW ~71:LEBOGANG MASHILO, 7026 ZONE-6 SETILOANE STREET, South Africa ~72: LEBOGANG SELLO SAKKIE MASHILO~

2025/00351 ~ Provisional ~54:A CORNER INSERT FOR A BOX ~71:CORRUSEAL GROUP (PTY) LTD, 14 Joyner Road, South Africa ~72: MEHTA, Rajiv~

2025/00390 ~ Provisional ~54:HR APPLICATION (NAME UNDECIDED) ~71:MR MOGAMAT RAMEEZ DAVIDS, 57 PAVO ROAD, SURVEY ESTATE ATHLONE, South Africa ~72: MR MOGAMAT RAMEEZ DAVIDS~

2025/00366 ~ Complete ~54:METHOD FOR IMPROVING QUALITY OF TOMATO FRUITS ~71:Ningxia University, No. 489 Helan Mountain West Road, Xixia District, Yinchuan City, Ningxia, 750021, People's Republic of China ~72: BAI, Shengyi;CHENG, Guoxin;GUO, Meng;LI, Jiale;LI, Liping;MA, Haixia;WANG, Xiaomin;ZHAO, Hui~

2025/00348 ~ Complete ~54:POLYCISTRONIC MIRNA CONSTRUCTS FOR IMMUNE CHECKPOINT INHIBITION ~71:PRECIGEN, INC., 20358 Seneca Meadows Parkway, Germantown, United States of America ~72: BOLINGER, Cheryl;SHAH, Rutul~ 33:US ~31:63/368,056 ~32:10/07/2022

2025/00350 ~ Complete ~54:METHOD OF PRODUCING ALUMINUM CAN SHEET ~71:HELLENIC RESEARCH CENTRE FOR METALS S.A., 2-4 Mesogeion Avenue, Greece ~72: MAVROUDIS, Andreas;SPATHIS, Dionysios;STASSINOPOULOS, Michael;TSIROU, Ioannis~ 33:EP ~31:22184857.5 ~32:14/07/2022

2025/00372 ~ Complete ~54:AN AI-DRIVEN ETHICAL GOVERNANCE SYSTEM AND METHOD FOR UNIFIED CYBER THREAT INTELLIGENCE AND DIGITAL FORENSICS INCIDENT RESPONSE ~71:Anurag Chandra, G-92, Ground Floor, Vikaspuri, West Delhi, New Delhi, India;Sheeba Armoogum, Morc. Maroma, Sodnac, Quatre Brones, Mauritius;Vinaye Armoogum, Morc. Maroma, Sodnac, Quatre Brones, Mauritius ~72: Anurag Chandra;Sheeba Armoogum;Vinaye Armoogum~

2025/00374 ~ Complete ~54:AIR CONTACTOR ~71:BALTIMORE AIRCOIL COMPANY, INC., 7600 Dorsey Run Road, Jessup, United States of America ~72: BLAY, Preston;HOLLANDER, Philip;LITWACK, Ellie M.;ROUSSELET, Yohann Lilian~ 33:US ~31:63/392,018 ~32:25/07/2022

2025/00378 ~ Complete ~54:A COAL MINE RISK EARLY WARNING SYSTEM BASED ON BIG DATA ANALYSIS ~71:Shaanxi Energy Institute, No. 29, Middle Section of Wenlin Road, Weicheng District, Xianyang City, Shaanxi Province, 712000, People's Republic of China ~72: Jiaming Wang;Yangyang You;Zhao Wei~

2025/00382 ~ Complete ~54:TRANSFERRIN RECEPTOR ANTIGEN-BINDING DOMAINS AND USES THEREFOR ~71:ALECTOR LLC, 131 Oyster Point Blvd., Suite 600, South San Francisco, California, 94080,

United States of America ~72: ALEXANDER HYUN-MIN YANG;ANGIE GRACE YEE;ERIC BROWN;HAMID SALIMI;LU SHAN;MARGARET L TANG;RAJKUMAR GANESAN;RAYMOND KA-HANG TONG;TARANGSRI NIVITCHANYONG;THUNGA BIENLY;WEI-HSIEN HO~ 33:US ~31:63/369,898 ~32:29/07/2022;33:US ~31:63/374,967 ~32:08/09/2022;33:US ~31:63/489,693 ~32:10/03/2023;33:US ~31:63/495,511 ~32:11/04/2023;33:US ~31:63/513,820 ~32:14/07/2023

2025/00365 ~ Complete ~54:INTELLIGENT ANTI-CLOGGING CONSTRUCTED WETLAND SYSTEM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LongXiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Deming;HUANG Zhenzhen;KANG Haiyan;LIU Wen;MA Yao;MAO Yanli;SU Zhe;WANG Quanjun;YUE Mingfei~

2025/00373 ~ Complete ~54:VOLTAGE MONITORING ARRANGEMENT FOR AN ELECTRIC CELL STACK, PARTICULARLY FOR A FUEL CELL STACK ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: FLINK, Johan;MUNTHE, Stefan;VELÉN, Robin~ 33:SE ~31:2250917-8 ~32:18/07/2022

2025/00376 ~ Complete ~54:SALT OF GLP-1R AGONIST, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:MINDRANK AI LTD., Unit 1901—1914, Bldg 2, 2 Kejiyuan Road, Baiyang Street, Qiantang District, Hangzhou, China (Zhejiang) Pilot Free Trade Zone, People's Republic of China ~72: HU, Yang;NIU, Zhangming;ZHANG, Long~ 33:CN ~31:202210804212.X ~32:07/07/2022

2025/00381 ~ Complete ~54:ANTI-GPNMB ANTIBODIES AND METHODS OF USE THEREOF ~71:ALECTOR LLC, 131 Oyster Point Blvd., Suite 600, South San Francisco, California, 94080, United States of America ~72: ANDREW PINCETIC;ANGIE GRACE YEE;CHRISTOPHER JAMES WEDELES;DANIEL P BERMINGHAM;MARINA ROELL;MARJORIE BATEMAN;MEER KAMAL MUSTAFA;WEI-HSIEN HO~ 33:US ~31:63/369,890 ~32:29/07/2022;33:US ~31:63/514,318 ~32:18/07/2023

2025/00386 ~ Complete ~54:A NASAL DROP COMPOSITION AND DEVICE THEREOF ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMITABHA MAJUMDAR;COLIN CHRISTOPHER JAMORA;JANHAVI SANJAY RAUT;MORRIS WASKAR;NARESH DHIRAJLAL GHATLIA;TANAY NITINKUMAR BHATT;VIBHAV RAMRAO SANZGIRI~ 33:IN ~31:202221048413 ~32:25/08/2022;33:EP ~31:22203330.0 ~32:24/10/2022

2025/00370 ~ Complete ~54:MODIFIED ACTIVATED CARBON, PREPARATION METHOD AND USE THEREOF ~71:Chinese Research Academy of Environmental Sciences, No.8 Dayangfang, Anwai Beiyuan, Beijing, Chaoyang District, 100012, People's Republic of China ~72: Jianfeng GAO;Yanping LIU;Zixiu LI~ 33:CN ~31:202411765494.2 ~32:03/12/2024

2025/00362 ~ Complete ~54:METHOD AND INTELLIGENT SYSTEM FOR CONTROLLING FILLING RANGE AND SLOPE FORM USING GEOSPATIAL POSITIONING ~71:Institute of Geological Hazards Prevention, Gansu Academy of Sciences, No. 211 Dingxi South Road, Chengguan District, Lanzhou City, Gansu, 730000, People's Republic of China ~72: REN, Haochen~

2025/00367 ~ Complete ~54:SYSTEM FOR MONITORING COAL MINE UNDERGROUND WATER QUALITY BASED ON THE INTERNET OF THINGS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Wenchao;JIANG Zhongfeng;LI Songfeng;LI Yuya;LIANG Feng;MA Yan;TIAN Junfeng;WANG Yong;WU Li;ZHANG Peixin~

- APPLIED ON 2025/01/13 -

2025/00391 ~ Provisional ~54:DUAL LOCK SECURITY BOLT SEAL ~71:terome naidoo, 25 joubert place, South Africa ~72: terome naidoo~

2025/00394 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SWOLLEN LIVER DISEASE OF TRIONYX SINENSIS AND PREPARATION METHOD THEREOF ~71:PINGDINGSHAN UNIVERSITY, Chongwen Road, Urban-Rural Integration, Demonstration Zone, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: LIU Yang;MA Sha;TANG Wanquan;WANG Luwei~

2025/00399 ~ Complete ~54:MIXING AND STIRRING APPARATUS FOR SOLIDIFYING SOIL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: JIA, Haipeng;SHEN, Tong;YUAN, Yue~

2025/00404 ~ Complete ~54:A HIGH FLUX MEASUREMENT METHOD FOR CALCIUM LEACHING DEFORMATION DAMAGE OF CONCRETE SPECIMENS BASED ON DIGITAL IMAGE CORRELATION METHOD ~71:Hefei University of Technology, No. 193, Tunxi Road, Baohe District, Hefei City, Anhui Province, 230009, People's Republic of China;Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232000, People's Republic of China ~72: Binggen Zhan;Hongjie Liu;Peng Gao;Qijun Yu;Xiaolong Ning;Yuting Chu~

2025/00415 ~ Complete ~54:ANTIBODY DRUG CONJUGATE COMPRISING NMT INHIBITOR AND ITS USE ~71:IMPERIAL COLLEGE INNOVATIONS LIMITED, Level 1 Faculty Building, c/o Imperial College Exhibition Road, United Kingdom;MYRICX PHARMA LIMITED, 125 Wood Street, United Kingdom ~72: BELL, Andrew Simon;BONNERT, Roger;CARR, Robin;SOLARI, Roberto;TATE, Edward William~ 33:EP ~31:22194959.7 ~32:09/09/2022;33:EP ~31:22194984.5 ~32:09/09/2022;33:GB ~31:2305541.1 ~32:14/04/2023;33:GB ~31:2305546.0 ~32:14/04/2023

2025/00417 ~ Complete ~54:IMMUNOMODULATORY PROTEINS AND RELATED METHODS ~71:Flagship Pioneering Innovations VII, LLC, 55 Cambridge Parkway, Suite 800E, CAMBRIDGE 02142, MA, USA, United States of America ~72: AFZELIUS, Ellen Lovisa Larsdotter;ASKENASE, Michael Horne;BANDUKWALA, Hozefa Saifuddin;BRITES BOSS, Sofia Marques Tuna Ribeiro;KOHN, Ryan Edward~ 33:US ~31:63/394,155 ~32:01/08/2022;33:US ~31:63/483,419 ~32:06/02/2023;33:US ~31:63/502,864 ~32:17/05/2023

2025/00422 ~ Complete ~54:NITROGEN-CONTAINING COMPOUND AND USE THEREOF ~71:SUZHOU GENHOUSE BIO CO., LTD., Unit 401, Building 8, Zone A, BioBAY Phase III, No. 1 Xinze Road, Suzhou, Industrial Park, Suzhou Area China (Jiangsu) Pilot Free Trade Zone Suzhou, Jiangsu 215123, People's Republic of China ~72: GUIPING ZHANG;JIAPENG LI;JIYUE ZHENG;KUIFENG WANG;SHUANGSHUANG DUAN;TAO ZHANG~ 33:CN ~31:202210773035.3 ~32:30/06/2022;33:CN ~31:202310066234.5 ~32:16/01/2023;33:CN ~31:202310739407.5 ~32:21/06/2023

2025/00423 ~ Complete ~54:AMMONIA-BASED FUEL FOR A COMPRESSION ENGINE, CONTAINING A COMBUSTION-ENHANCING ADDITIVE ~71:EURENCO FRANCE SAS, 123 Allée de Brantes, 84700, Sorgues, France ~72: ANNE-GAËLLE BATAILLE MORIN;FABRICE FOUCHER;RICHARD SAMSON~ 33:FR ~31:FR2206261 ~32:23/06/2022

2025/00426 ~ Complete ~54:METHOD AND APPARATUS FOR METALS, ALLOYS, MATTES, OR ENRICHED AND CLEANED SLAGS PRODUCTION FROM PREDOMINANTLY OXIDE FEEDS ~71:HERTHA METALS, INC., 100 N FM 3083 Rd E, Building C Conroe, Texas 77303, United States of America ~72: LAUREEN MEROUEH;ROBERT LESLIE STEPHENS~ 33:US ~31:63/391,679 ~32:22/07/2022

2025/00395 ~ Complete ~54:MAIN PLANT LAYOUT DEVICE FOR THERMAL POWER PLANTS ~71:Pinglu Zhao, No. 18, Building 16, Courtyard 20, Jinhua North Road, Xincheng District, Xi'an, Shaanxi, People's Republic of China ~72: Jianhua Wang;Pinglu Zhao;Ruiyang Zhao~ 33:CN ~31:2024116490409 ~32:19/11/2024

2025/00425 ~ Complete ~54:COMPRESSED FLUID VESSEL MONITORING APPARATUS AND METHOD
~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Boulevard, Allentown, Pennsylvania, 18106-
5500, United States of America ~72: CRAIG HUNTER;CSABA ALFOLDI;DAVID BRYANT;MATTHEW
ISEBELL;PHIL TRANTER;STEPHEN MELLOR;THOMAS HOLBECHE;THOMAS LEE~ 33:US ~31:17/880,785
~32:04/08/2022

2025/00427 ~ Complete ~54:REPEATED DISTILLATION/SUBLIMATION OF RARE EARTH ELEMENTS
~71:CHARLES SHACKETT, C/o Shine Technologies, LLC 3400 Innovation Ct., Janesville, Wisconsin, 53546,
United States of America;ERIC VAN ABEL, C/o Shine Technologies, LLC 3400 Innovation Ct., Janesville,
Wisconsin, 53546, United States of America;SHINE TECHNOLOGIES, LLC, 3400 Innovation Ct., Janesville,
Wisconsin, 53546, United States of America ~72: CHARLES SHACKETT;ERIC VAN ABEL~ 33:US
~31:63/358,849 ~32:06/07/2022

2025/00400 ~ Complete ~54:REMOTE GEOTECHNICAL DANGER REMOVAL APPARATUS FOR TUNNEL
CONSTRUCTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District,
Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: HAN, Yang;SHEN, Tong;YUAN,
Yue~

2025/00402 ~ Complete ~54:RANGE HOOD FAN VOLUTE PROCESSING DEVICE ~71:Zhongshan Medida
Electrical Appliance Co., Ltd., 1st Floor, Building A, No. 32, Shenghui North Road, Nantou Town, Zhongshan,
Guangdong, People's Republic of China ~72: Wei Zhou~

2025/00403 ~ Complete ~54:A COMPOUND COMPOSITION FOR SUPPRESSING COAL DUST, A DUST
REMOVAL ACTIVE AGENT AND ITS APPLICATION ~71:Kunming University of Science and Technology, No.
68, Wenchang Road, Yi'eryi Avenue, Wuhua District, Kunming City, Yunnan Province, 650031, People's Republic
of China ~72: Henglin Liu;Jie Liu;Xinhui Luo;Xueming Fang;Yaping Gong~

2025/00412 ~ Complete ~54:ANTIBACTERIALS ~71:OXFORD UNIVERSITY INNOVATION LIMITED, Buxton
Court, 3 West Way, United Kingdom ~72: HOUSDEN, Nicholas G;KLEANTHOS, Colin~ 33:GB ~31:2208695.3
~32:14/06/2022

2025/00421 ~ Complete ~54:HETEROCYCLIC SUBSTITUTED PYRIMIDOPYRAN COMPOUND AND USE
THEREOF ~71:MEDSHINE DISCOVERY INC., Room 218, No.9 Gaoxin Road, Jiangbei New District, Nanjing,
Jiangsu, 210032, People's Republic of China ~72: JIAN LI;PING YANG;QIU LI;SHUHUI CHEN;WENTAO
WU;WENYUAN ZHU;YANG ZHANG;ZHIXIANG LI~ 33:CN ~31:202210731477.1 ~32:24/06/2022;33:CN
~31:202210743845.4 ~32:27/06/2022;33:CN ~31:202210969097.1 ~32:12/08/2022;33:CN
~31:202211494347.7 ~32:25/11/2022;33:CN ~31:202310010084.6 ~32:04/01/2023;33:CN
~31:202310082801.6 ~32:03/02/2023;33:CN ~31:202310206933.5 ~32:06/03/2023

2025/00431 ~ Provisional ~54:TRAVERSING PAD DOCKING STATION ~71:Yves Isidore Roland Jollivet, 3
Controversy Drive, South Africa ~72: Yves Isidore Roland Jollivet~

2025/00435 ~ Complete ~54:ANTIBODY RESISTANT TO BOTRYTIS CINEREA ATP3 PROTEIN AND
APPLICATION THEREOF ~71:INSTITUTE OF VEGETABLES, TIBET ACADEMY OF AGRICULTURE AND
ANIMAL HUSBANDRY SCIENCES, NO. 147, JINZHU WEST ROAD, People's Republic of China ~72: LI,
Yanfeng;Nanjizhuoma;ZHANG, Kai;ZHAO, Liyang~

2025/00396 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING LPA EXPRESSION
~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72:
ABRAMS, Marc;BROWN, Bob, Dale;DUDEK, Henryk ,T.;HAN, Wen;TURANOV, Anton~ 33:US ~31:63/061,676
~32:05/08/2020;33:US ~31:63/074,779 ~32:04/09/2020

2025/00411 ~ Complete ~54:AN INTELLIGENT, MODULAR FIRE EXTINGUISHING UNIT ~71:INTEGRATED FIRE SYSTEMS (PTY) LIMITED, 1 Ambassador Park, Blandford Road, South Africa ~72: STEFAN SWANEPOEL~ 33:ZA ~31:2022/08059 ~32:20/07/2022

2025/00413 ~ Complete ~54:METHOD AND SYSTEM FOR PURIFICATION OF FEED LIQUID ~71:OY INFRACONSULTING AB LTD, Terätie 22 B, Finland ~72: ALBRECHT, Tom;KANKAANPÄÄ, Markus;LJAPIDEVSKIJ, Wladimir~ 33:FI ~31:20225677 ~32:18/07/2022

2025/00419 ~ Complete ~54:TYROSINE KINASE 2 INHIBITORS AND USES THEREOF ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: GUCKIAN, Kevin M.;HELAL, Christopher;LEVIN, Tamara Halkina;LIN, Edward Yin Shiang;LOPEZ DE TURISO, Felix Gonzalez;MAITRA, Soma;PATTAROPONG, Vatee;SCIABOLA, Simone;VANDEVEER, Harold George;VESSELS, Jeffrey;XIN, Zhili~ 33:US ~31:63/389,038 ~32:14/07/2022

2025/00429 ~ Complete ~54:SPIRAL WINDING REPAIR DEVICE FOR UNDERGROUND PIPE ~71:SUN YAT-SEN UNIVERSITY, 135 Xingang West Road, Guangzhou, People's Republic of China ~72: BI, Jingjie;HUANG, Sheng;MA, Baosong;ZHAO, Yahong~ 33:CN ~31:202311305457.9 ~32:10/10/2023

2025/00397 ~ Complete ~54:ROAD AND BRIDGE CONSTRUCTION PROTECTION SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: MA, Dongli;SHEN, Tong;YUAN, Yue~

2025/00405 ~ Complete ~54:A SYSTEM AND METHOD FOR CHARGING ELECTRICAL VEHICLE IN A MULTI-STOREY PARKING SETUP ~71:Techno India University, West Bengal, EM-4, Sector V, Salt lake City, Kolkata-700091, West Bengal, India ~72: Dipayan Ghosh;Dr. Sanjukta Mandal;Dr. Subashis Biswas~

2025/00408 ~ Complete ~54:FUEL CELL STACK ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: EKBLAD, Oskar~ 33:SE ~31:2250948-3 ~32:03/08/2022

2025/00410 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS AND METHODS FOR THE TREATMENT OF METABOLIC AND LIVER DISORDERS ~71:VIKING THERAPEUTICS, INC., 9920 Pacific Heights Blvd., Suite 350, United States of America ~72: BARKER, Geoffrey E.;BARNES, Maureen;ENUGURTHI, Brahmachary;GONZALEZ, Jake;LIAN, Brian~ 33:US ~31:63/390,944 ~32:20/07/2022;33:US ~31:63/490,466 ~32:15/03/2023

2025/00424 ~ Complete ~54:METHANOL-BASED ENGINE FUEL CONTAINING A COMBUSTION-ENHANCING ADDITIVE ~71:EURENCO FRANCE SAS, 123 Allée de Brantes, 84700, Sorgues, France ~72: ANNE-GAËLLE BATAILLE MORIN;FABRICE FOUCHER;RICHARD SAMSON~ 33:FR ~31:FR2206260 ~32:23/06/2022

2025/00393 ~ Complete ~54:NITROGEN-DOPED BIOCHAR COMPOSITE MATERIAL, ELECTROCHEMICAL WORKING ELECTRODE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:ZHONGKAI UNIVERSITY OF AGRICULTURE AND ENGINEERING, No. 501 Zhongkai Road, Haizhu District, Guangzhou City, Guangdong Province, 510225, People's Republic of China ~72: DONG, Hao;DUAN, Ningxin;HUANG, Guiying;MA, Ya;TAN, Yanshan;ZHAO, Xiaojuan~

2025/00409 ~ Complete ~54:FUEL CELL STACK ASSEMBLY WITH COMPRESSION MEANS ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: EKBLAD, Oskar~ 33:SE ~31:2250946-7 ~32:03/08/2022

2025/00416 ~ Complete ~54:LOW-NICKEL HIGH-MANGANESE AUSTENITE WEAR-RESISTANT STEEL WELDING WIRE ROD AND WELDING WIRE ~71:Baoshan Iron & Steel Co., Ltd., No. 885, Fujin Road, Baoshan

District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: QIAN, Weifang;WANG, Baosen;WU, Wei;XU, Ke~ 33:CN ~31:202210669120.5 ~32:14/06/2022

2025/00398 ~ Complete ~54:ANIMAL FEEDING DEVICE ~71:JIAXING VOCATIONAL AND TECHNICAL COLLEGE, No. 547 Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: JIA, Yan;WANG, Jun;WANG, Junshu;WEN, Zhongxiao;XIONG, Renping;XU, Jinqiang;YANG, Miaoxin;YU, Haijie;YU, Hui;ZHAO, Haiyun;ZHAO, Yi;ZHONG, Ming;ZHOU, Biying~

2025/00401 ~ Complete ~54:PHYSICAL FITNESS DEVICE FOR TRAINING SPORTS STUDENTS ~71:XINYU UNIVERSITY, No. 2666, Sunshine Avenue, Gaoxin District, Xinyu City, Jiangxi Province, People's Republic of China ~72: Jing Liang;Ling Li;Taibin Huang;Ying Xi;Zhiyu Yang~

2025/00406 ~ Complete ~54:BIODEGRADABLE FLOOR SEALING MEMBRANE ~71:NAUE GMBH & CO. KG, Gewerbestrasse 2, Germany ~72: Henning EHRENBERG;Lars VOLLMERT;Martin TAZL~ 33:DE ~31:20 2022 103 585.7 ~32:28/06/2022

2025/00414 ~ Complete ~54:CYTOTOXIC IMIDAZO[1,2-A]PYRIDINE COMPOUNDS AND THEIR USE IN THERAPY ~71:IMPERIAL COLLEGE INNOVATIONS LIMITED, Level 1 Faculty Building, c/o Imperial College Exhibition Road, United Kingdom;MYRICX PHARMA LIMITED, 125 Wood Street, United Kingdom ~72: BELL, Andrew Simon;BONNERT, Roger;CARR, Robin;SOLARI, Roberto;TATE, Edward William~ 33:EP ~31:22194959.7 ~32:09/09/2022;33:EP ~31:22194984.5 ~32:09/09/2022;33:GB ~31:2305541.1 ~32:14/04/2023;33:GB ~31:2305546.0 ~32:14/04/2023

2025/00392 ~ Complete ~54:DCE-MRI IMAGE GENERATION METHOD AND RELATED APPARATUS ~71:MAANSHAN PEOPLE'S HOSPITAL, No. 45 Hubei Road, Huashan District, Ma'anshan City, Anhui Province, 243000, People's Republic of China ~72: CHENG, Weiqun;HE, Yongsheng;QI, Xuan;TANG, Zhen;WANG, Wuling;YANG, Hongkai;YU, Shanshan~ 33:CN ~31:202411080914.3 ~32:08/08/2024

2025/00418 ~ Complete ~54:METHODS FOR TREATING NON-OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY ~71:Cytokinetics, Incorporated, 350 Oyster Point Blvd, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: HEITNER, Stephen B.;JACOBY, Daniel Louis;KUPFER, Stuart;MALIK, Fady~ 33:US ~31:63/368,967 ~32:20/07/2022;33:US ~31:63/375,026 ~32:08/09/2022;33:US ~31:63/486,594 ~32:23/02/2023;33:US ~31:63/491,010 ~32:17/03/2023;33:US ~31:63/495,966 ~32:13/04/2023;33:US ~31:63/501,088 ~32:09/05/2023

2025/00420 ~ Complete ~54:FUSION PROTEIN CONTAINING IMPROVED GLP-1 RECEPTOR AGONIST AND USES ~71:GUANGZHOU INNOGEN PHARMACEUTICAL GROUP CO., LTD., Room 409, Block H, Self - Numbered Creative Building, No.2 Tengfei Second Street, (Sino - Singapore Guangzhou Knowledge City), Huangpu District, Guangzhou, Guangdong 510700, People's Republic of China;SHANGHAI INNOGEN BIOMEDICAL ENGINEERING CO., LTD., Building 11 & 18, No. 356, Zhengbo Road, Lingang New Area, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai 201413, People's Republic of China;SHANGHAI INNOGEN PHARMACEUTICAL TECHNOLOGY CO., LTD., Room 201/202/203/204, Building 1, No.720 Cailun Road, China (Shanghai) Pilot Free Trade Zone, Pudong New Area, Shanghai, 201203, People's Republic of China ~72: QINGHUA WANG~ 33:CN ~31:202210718428.4 ~32:23/06/2022;33:CN ~31:202210720621.1 ~32:23/06/2022

2025/00428 ~ Complete ~54:BIOLOGICAL TEST SAMPLING KIT ~71:HEMODX AS, Skogfaret 25 B, 0382, Oslo, Norway ~72: PRAVEEN SHARMA~ 33:GB ~31:2211645.3 ~32:09/08/2022

2025/00407 ~ Complete ~54:FUEL CELL STACK ~71:POWERCELL SWEDEN AB, Ruskvädersgatan 12,, Sweden ~72: EKBLAD, Oskar~ 33:SE ~31:2250947-5 ~32:03/08/2022

- APPLIED ON 2025/01/14 -

2025/00433 ~ Provisional ~54:ELIM HOLISTIC HEALTH SCANNER SYSTEM ~71:Jan Frederick Van Brummelen, 7 COGMANS CLOSE, Montagu, WC, 6720, South Africa ~72: Jan Frederick Van Brummelen~

2025/00437 ~ Complete ~54:RECOMBINASE POLYMERASE AMPLIFICATION (RPA) KIT AND DETECTION METHOD FOR VISUALLY DETECTING MULTIPLE TRANSGENIC MARKERS ~71:ZHEJIANG UNIVERSITY, #866 Yuhangtang Road, Hangzhou, Zhejiang, 310058, People's Republic of China ~72: LV, Bingtao;NI, Liang;YAN, Jingying~

2025/00463 ~ Complete ~54:FUEL BORNE CATALYST COMPOSITION FOR OXIDATIVE SOOT REMOVAL ~71:UMICORE SPECIALTY MATERIALS BRUGGE, Kleine Pathoekeweg 82, 8000, Brugge, Belgium ~72: CARL VERCAEMST;GARRETT MINNE;MAXIME VERMETTEN;WILLIAM HENDRIK FAVEERE~ 33:EP ~31:22182156.4 ~32:30/06/2022

2025/00468 ~ Complete ~54:BIOIMPEDANCE-BASED FEEDBACK FOR MEDICAL PROCEDURES ~71:Edwards Lifesciences Corporation, One Edwards Way, Legal Department, IRVINE 92614, CA, USA, United States of America ~72: BUKHDRUKER, Natan Anatoly;DELGADO, Sergio;HABERMAN BROWNS, Bezalel;HARUSH, Lior;HERMAN, Yaron;KATZIR, Doron;KERET, Yuval;NISANI, Micha;PELEG, Carmel~ 33:US ~31:63/369,176 ~32:22/07/2022;33:US ~31:63/439,836 ~32:18/01/2023

2025/00432 ~ Provisional ~54:FUEL COMPOSITION FOR COMBUSTION ~71:The Trustees for the time being of the KMN FULFILMENT TRUST, 8 Kestrel Street, Ebotse Golf Estate, Rynfield, BENONI 1504, SOUTH AFRICA, South Africa ~72: MAKGERU, Kabu Walter~

2025/00440 ~ Complete ~54:A GRAPHENE-MODIFIED ADHESIVE, ITS PREPARATION METHOD, AND ITS APPLICATION ~71:Yancheng Teachers University, No.2 Hope Avenue South Road, Yancheng City, Jiangsu Province, People's Republic of China ~72: Chang Yingna;Liu Yu;Song Kefan;Sun Yuzhen;Wang Jindi;Wang Liping;Wu Huayu;Xing Rong;Zhao Zhiyuan~ 33:CN ~31:2024118975527 ~32:23/12/2024

2025/00442 ~ Complete ~54:OBSTACLE REMOVING DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: JIA, Haipeng;JIA, Senchun;LI, Siyuan;WANG, Zhijia;WU, Wenlong;ZHAO, Yuxia~

2025/00448 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:Beijing Dajia Internet Information Technology Co., Ltd, Room 101, 8th Floor, Building 12, No. 16, Xierqi West Road, People's Republic of China ~72: CHEN, Wei;CHEN, Yi-Wen;JHU, Hong-Jheng;KUO, Che-Wei;WANG, Xianglin;XIU, Xiaoyu;YAN, Ning;YU, Bing~ 33:US ~31:63/220,380 ~32:09/07/2021

2025/00465 ~ Complete ~54:COMPOSITE INORGANIC SEPARATOR FOR LITHIUM BATTERIES HAVING THREE-DIMENSIONAL ELECTRODES ~71:HE3DA s.r.o., Beranovych 130, PRAHA 9 19900, CZECH REPUBLIC, Czech Republic ~72: PROHAZKA, Jan;TREJBAL, Eduard~ 33:CZ ~31:PV 2022-300 ~32:05/07/2022

2025/00467 ~ Complete ~54:FCC PROCESS USEFUL FOR PRODUCTION OF PETROCHEMICALS ~71:W.R. Grace & Co.-CONN., 7500 Grace Drive, COLUMBIA 21044, MD, USA, United States of America ~72: BRYDEN, Ken;CHENG, Wu-Cheng;HU, Ruizhong;PURNELL, Scott;SINGH, Udayshankar;YUAN, Guang~ 33:US ~31:63/356,940 ~32:29/06/2022

2025/00443 ~ Complete ~54:METHOD FOR DETERMINING COTTON PICKING PERIOD BASED ON REMOTE SENSING MONITORING ~71:Inner Mongolia Academy of Agricultural & Animal Husbandry Sciences, No. 22

Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010030, People's Republic of China ~72: Bao Junwei;Guo Jia;Ji Shiyu;Wang Baolin;Wu Shengnan;Wulan Tuya;Yang Chao~

2025/00449 ~ Complete ~54:VACCINES FOR THE TREATMENT AND PREVENTION OF SEASONAL AND EMERGING INFECTIONS ~71:LONGHORN VACCINES AND DIAGNOSTICS, LLC, 7272 Wisconsin Ave, 9th Floor, United States of America ~72: FISCHER, Gerald W.;FISCHER, Jeffrey D.;SEI, Clara J.~ 33:US ~31:63/396,286 ~32:09/08/2022

2025/00451 ~ Complete ~54:METHODS OF ELECTROSPRAY DRYING ANAEROBIC BACTERIA AND COMPOSITIONS THEREOF ~71:AXIOTA U.S., INC., 2809 East Harmony Rd., Suite 190, United States of America ~72: APERCE, Celine, Caroline;DROUILLARD, James, Scott;HERREN, Gina, Rae;LAU, Ming, Woei;PETERSON, Amanda~ 33:US ~31:63/369,915 ~32:29/07/2022

2025/00446 ~ Complete ~54:PROPOFOL TARGET CONTROLLED INFUSION PUMP FOR ANESTHESIA ~71:THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY, No.899, Pinghai Road, Gusu District, Suzhou, Jiangsu, 215000, People's Republic of China ~72: Ji, Fuhai;KUAI, Lingyu;SHAN, Xisheng;YANG, Yufan;ZHAO, Dan~

2025/00447 ~ Complete ~54:RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING ~71:Beijing Dajia Internet Information Technology Co., Ltd, Room 101, 8th Floor, Building 12, No. 16, Xierqi West Road, People's Republic of China ~72: CHEN, Wei;CHEN, Yi-Wen;JHU, Hong-Jheng;KUO, Che-Wei;WANG, Xianglin;XIU, Xiaoyu;YAN, Ning;YU, Bing~ 33:US ~31:63/215,961 ~32:28/06/2021

2025/00453 ~ Complete ~54:ANTIBODY DRUG CONJUGATES THAT BIND CDCP1 AND USES THEREOF ~71:PHEON THERAPEUTICS LTD, West Common Lawes Open Innovation Hub, Harpenden, United Kingdom ~72: JACKSON, Paul Joseph Mark;PROCOPIOU, George;THURSTON, David Edwin;ZAWEL, Leigh~ 33:US ~31:63/389,743 ~32:15/07/2022;33:US ~31:63/400,703 ~32:24/08/2022;33:US ~31:63/489,473 ~32:10/03/2023;33:US ~31:63/489,474 ~32:10/03/2023

2025/00455 ~ Complete ~54:A RADIOLOGY IMAGING DIAGNOSTIC FILM READING DEVICE ~71:Xiangya Hospital of Central South University, No. 87 Xiangya Road, Kaifu District, Changsha City, Hunan Province, 410008, People's Republic of China ~72: Haiyun Tang~

2025/00459 ~ Complete ~54:NRF2 PROTEIN DEGRADERS ~71:GANYMEDE ONCOLOGY, INC., BioLabs San Diego 9276 Scranton Rd. Suite 500 San Diego, California, 92121, United States of America ~72: JOHN EDWIN MUNROE;ROBERT CHRISTIAN WILD~ 33:US ~31:63/355,834 ~32:27/06/2022

2025/00464 ~ Complete ~54:COMMUNICATION METHOD AND RELATED APPARATUS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHENG, Xingqing;GAO, Lei;WANG, Jian~

2025/00438 ~ Complete ~54:COMPRESSIVE PERFORMANCE TESTING DEVICE FOR TEMPERED GLASS PRODUCTION ~71:Digaonuo Electric Appliance Technology Development Co., Ltd., First Floor, Building B, No. 2, Jianquan Road, Huangpu Town, Zhongshan, Guangdong, People's Republic of China ~72: Xianping Wu~

2025/00439 ~ 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

2025/00444 ~ Complete ~54:A METHOD, DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM FOR FUNGAL RAMAN SPECTRAL RECOGNITION BASED ON CONVOLUTIONAL NEURAL NETWORK ~71:Nankai University, School of Artificial Intelligence, Nankai University, Jinnan District, Tianjin, People's Republic of China ~72: Feng Hailong;Huang Mingyue;Liang jing;Wangbin;Xu Xiaoxuan;Xujing~

2025/00457 ~ Complete ~54:SEALING FILM AND CONTAINER COMPRISING SEALING FILM ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO. KG, Allmendstrasse 81, 6971, Hard, Austria ~72: ROBERT SIEGL~ 33:CH ~31:CH000894/2022 ~32:26/07/2022

2025/00462 ~ Complete ~54:THERMOLYTIC FRAGMENTATION OF SUGARS ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: CHRISTIAN MÅRUP OSMUNDSEN;MATTHIAS JOSEF BEIER;MAX THORHAUGE;MORTEN BOBERG LARSEN~ 33:EP ~31:22192644.7 ~32:29/08/2022

2025/00472 ~ Complete ~54:NANODIAMOND WITH VACANCY DEFECT AND QUANTUM DOT LUMINESCENCE ~71:SCHLUMBERGER TECHNOLOGY B.V., Parkstraat 83, Netherlands ~72: BELNAP, J. Daniel~ 33:US ~31:63/366,434 ~32:15/06/2022

2025/00445 ~ Complete ~54:ELECTRIC FENCE SWITCH ~71:NEMTEK (PTY) LTD, Stand 206, Boundary Park Corner of Malibongwe and Epsom Avenue, Northriding, South Africa ~72: MANIOUDAKIS, Nicolas~

2025/00450 ~ Complete ~54:ANTI-MESOTHELIN ANTIBODIES ~71:NONA BIOSCIENCES (SUZHOU) CO., LTD., Suite 202, Building A3, 218 Xinghu Street, People's Republic of China ~72: DENG, Changjing;GUAN, Guangkuo;WANG, Di;WANG, Xiaoxiao;ZHANG, Meihong~ 33:CN ~31:PCT/CN2022/104928 ~32:11/07/2022

2025/00454 ~ Complete ~54:SEED TREATMENT FORMULATIONS AND METHODS OF USE ~71:CONSEJO NACIONAL DE INVESTIGACIONES CIENTÍFICAS Y TÉCNICAS (CONICET), Godoy Cruz 2290, Argentina;PUNA BIO CORPORATION, 479 Jessie Street, United States of America ~72: BELFIORE, Carolina;BERTINI, Elisa Violeta;FARÍAS, María Eugenia;SANTOS, Ana Paula~ 33:US ~31:63/368,135 ~32:11/07/2022;33:US ~31:63/476,280 ~32:20/12/2022

2025/00460 ~ Complete ~54:COLLECTION UNIT FOR CUTTINGS ~71:THE CORING COMPANY AS, Midtre gate 14 , 8624, Mo i Rana, Norway ~72: FRIDA KLÆBO VONSTAD~ 33:NO ~31:20220749 ~32:29/06/2022

2025/00466 ~ Complete ~54:COMPOSITIONS INCLUDING ENDOPHYTES FOR IMPROVING PLANT NUTRITION, GROWTH, AND PERFORMANCE AND METHODS OF USING THE SAME ~71:Intrinsyx Bio Inc., 319 N. Bernardo Ave., MOUNTAIN VIEW 94043 , CA, USA, United States of America;University of Washington, 4545 Roosevelt Way NE, Suite 400, SEATTLE 98105, WA, USA, United States of America ~72: BAKER, Douglas;DOTY, Sharon L.;FREEMAN III, John L.;GRECH, Nigel;HAYWOOD, John~ 33:US ~31:63/390,387 ~32:19/07/2022

2025/00470 ~ Complete ~54:ELASTOMERIC COMPOSITION AND ARTICLES COMPRISING THE COMPOSITION ~71:UPM-Kymmene Corporation, Alvar Aallon katu 1, HELSINKI 00100, FINLAND, Finland ~72: DIEHL, Florian;GALL, Barbara~

2025/00473 ~ Complete ~54:DATA PROCESSING METHOD FOR HEART RATE MONITORING SYSTEM ~71:HEBEI NET NEW DIGITAL TECHNOLOGY CO., LTD., No. 9 Ruining Road, Luquan District Economic Development Zone, Shijiazhuang, People's Republic of China ~72: GU, Lifang;YAN, Rongxin;YU, Ping~ 33:CN ~31:202410318492.2 ~32:20/03/2024

2025/00475 ~ Provisional ~54:CARA CONSTRUCTION AND REPETITION ASSEMBLY ~71:ADRIAAN ADAM PRETORIUS, 623 BROOKDALE, SOMERSET LAKES, South Africa ~72: ADRIAAN ADAM PRETORIUS~

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

2025/00436 ~ Complete ~54:TRUSS NESTED BELT CONVEYOR ~71:Ningxia Tiandi Northwest Coal Machinery Co. , Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CHEN Hao;GAO Xinfei;LI Jiapeng;LI Juan;SHENG Weiqing;SU Xiaoping;WANG Feifei;WANG Pengcheng;WANG Pengjia;WU Tao;YANG Jie;ZHANG Cheng;ZHANG Ruizheng;ZHOU Hailin~

2025/00441 ~ Complete ~54:INTERACTIVE CHINESE TEACHING DEVICE AS A FOREIGN LANGUAGE ~71:DEZHOU VOCATIONAL AND TECHNICAL COLLEGE, Daxue East Road, Xincheng District, Dezhou, Shandong, People's Republic of China ~72: Tingting Wang~

2025/00452 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES ~71:PHEON THERAPEUTICS LTD, West Common Lawes Open Innovation Hub, Harpenden, United Kingdom ~72: JACKSON, Paul Joseph Mark;PROCOPIOU, George;THURSTON, David Edwin;ZAWEL, Leigh~ 33:US ~31:63/389,743 ~32:15/07/2022;33:US ~31:63/400,703 ~32:24/08/2022;33:US ~31:63/489,473 ~32:10/03/2023;33:US ~31:63/489,474 ~32:10/03/2023

2025/00456 ~ Complete ~54:STORAGE STABILIZATION AGENT FOR STABILIZING AQUEOUS COMPOSITIONS, PROCESS FOR STABILIZING AND USES THEREOF ~71:OMYA INTERNATIONAL AG, Baslerstrasse 42, 4665, Oftringen, Switzerland ~72: JOACHIM GLAUBITZ;KLAUS SÜTTERLIN~ 33:EP ~31:22179197.3 ~32:15/06/2022;33:EP ~31:23164277.8 ~32:27/03/2023

2025/00458 ~ Complete ~54:A UNITARY BUMPER BEAM ASSEMBLY FOR A VEHICLE ~71:AUTOTECH ENGINEERING S.L, AIC-Automotive Intelligence Center, Parque Empresarial Boroa, Amorebieta-Etxano, P2-A448340, Spain ~72: ALFREDO SESÉ CERVERO;ANTONI BÉCARES LOPEZ;DAVID RIBALTA MACIÀ~ 33:EP ~31:22382650.4 ~32:07/07/2022

2025/00461 ~ Complete ~54:CROSSFLOW SETTING DEVICES AND METHODS OF USE ~71:STORMTRAP, LLC, 1287 Windham Parkway, Romeoville, Illinois, 60446, United States of America ~72: DAN FAJMAN;GREGORY WILLIAMS;LUKE MATTESON;ROBERT J MORAN~ 33:US ~31:17/810,782 ~32:05/07/2022

2025/00469 ~ Complete ~54:SYSTEMS AND METHODS TO IDENTIFY MUTATION AND PHENOTYPE ASSOCIATION ~71:The Board of Regents of The University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: BEUTLER, Bruce;BU, Chun Hui;LYON, Stephen Arthur;WANG, Tao;XIE, Yang;XU, Darui;ZHAN, Xiaowei~ 33:US ~31:63/357,803 ~32:01/07/2022

2025/00471 ~ Complete ~54:AZA-QUINAZOLINE COMPOUNDS AND METHODS OF USE ~71:IAMBIC THERAPEUTICS, INC., 5627 Oberlin Drive, Suite 120, United States of America ~72: GOMEZ, Laurent;MANBY, Frederick Roy;MILLER, III, Thomas Francis;NGUYEN, Quynh Nhu;REZAYEE, Nomaan;VERNIER, William;VOICE, Angus;ZHANG, Chao~ 33:US ~31:63/390,251 ~32:18/07/2022;33:US ~31:63/512,046 ~32:05/07/2023

2025/00474 ~ Provisional ~54:TYPE OF FOOTWEAR ~71:BRIAN EDGAR CARTON-BARBER, 2 ORIBI GARDENS THE FALLS, AERODROME DRIVE, South Africa ~72: BRIAN EDGAR CARTON-BARBER~

- APPLIED ON 2025/01/15 -

2025/00486 ~ Complete ~54:STRETCHER FOR PHYSICAL FITNESS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIANG Chen;YANG Hao;ZHANG Wei~

2025/00498 ~ Complete ~54:PROCESS FOR PREPARING SOLKETAL ACRYLATE BY TRANSESTERIFICATION ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: EICHHORN, Sabine;ELIXMANN, David;FLECKENSTEIN, Christoph;FLEISCHHAKER, Friederike;MISSKE, Andrea;WILLERSINN, Stefan~ 33:EP ~31:22180937.9 ~32:24/06/2022

2025/00510 ~ Complete ~54:FUSION PROTEIN COMPRISING ANTI-CD73 ANTIBODY AND IL-2, AND USE THEREOF ~71:GI INNOVATION, INC., A-1116, 167, Songpa-daero, Songpa-gu, Seoul, 05855, Republic of Korea ~72: DAN BEE HA;MYUNG HO JANG;YOUNG JUN KOH~ 33:KR ~31:10-2022-0076279 ~32:22/06/2022

2025/00513 ~ Complete ~54:INTEGRIN INHIBITORS AND USES THEREOF IN COMBINATION WITH OTHER AGENTS ~71:PLIANT THERAPEUTICS, INC., 331 Oyster Point Blvd., South San Francisco, California, 94080, United States of America ~72: ERIC LEFEBVRE;GREGORY P COSGROVE;JOHANNA ROBERTA SCHAUB;MARTIN L DECARIS;SCOTT TURNER~ 33:US ~31:63/359,835 ~32:09/07/2022;33:US ~31:63/359,875 ~32:10/07/2022;33:US ~31:63/416,453 ~32:14/10/2022;33:US ~31:63/440,406 ~32:21/01/2023;33:US ~31:63/463,006 ~32:29/04/2023

2025/00481 ~ Complete ~54:COMPUTERIZED TRAINING DEVICE FOR NETWORK PLANNING WITH EASY HEAT DISSIPATION ~71:HUNAN CITY UNIVERSITY, 518 Yingbin East Road, Heshan District, Yiyang City, Hunan Province, People's Republic of China ~72: WANG Ke;ZENG Ying;ZENG Yuliang;ZHANG Tao~

2025/00488 ~ Complete ~54:PHISHING EMAIL RECOGNITION METHOD AND DEVICE BASED ON MAIL DETECTION NETWORK MODEL ~71:BEIJING EASYNETWORKS TECHNOLOGY CO., LTD., Room 113, 1st Floor, 101, 2nd to 3rd Floor, Building 6, Yard 33, Baiziwan Road, Chaoyang District, Beijing, 100022, People's Republic of China ~72: GUOHUAN CAO;TENG JI~ 33:CN ~31:202411186263.6 ~32:28/08/2024

2025/00497 ~ Complete ~54:MACHINE LEARNING SYSTEM ~71:FEATURESPACE LIMITED, 140 Cambridge Science Park Milton Road Cambridge, United Kingdom ~72: COOPER, Simon~

2025/00500 ~ Complete ~54:DIVERSIFYING BASE EDITING ~71:BASF AGRICULTURAL SOLUTIONS US LLC, T.W. ALEXANDER DRIVE 2, 27709 RESEARCH TRIANGLE PARK, NORTH CAROLINA, USA, United States of America ~72: D'HALLUIN, Katelijn;DE VLEESSCHAUWER, David;MEULEWAETER, Frank~ 33:EP ~31:22180663.1 ~32:23/06/2022

2025/00504 ~ Complete ~54:WEE1 DEGRADING COMPOUNDS AND USES THEREOF ~71:Bristol-Myers Squibb Company, Route 206 & Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: CASHION, Daniel K.;EDWARDS, Jacob T.;PIERCE, Meekyum Olivia;RIGGS, Jennifer R.;SAPIENZA, John~ 33:US ~31:63/357,449 ~32:30/06/2022;33:US ~31:63/357,866 ~32:01/07/2022

2025/00507 ~ Complete ~54:METHODS FOR TREATING OBSTRUCTIVE HYPERTROPHIC CARDIOMYOPATHY ~71:Cytokinetics, Incorporated, 350 Oyster Point Blvd, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: HEITNER, Stephen B.;JACOBY, Daniel Louis;KUPFER, Stuart;MALIK, Fady;MELLONI, Chiara;MENG, Lisa;WOHLTMAN, Qi~ 33:US ~31:63/370,435 ~32:04/08/2022;33:US ~31:63/405,310 ~32:09/09/2022;33:US ~31:63/377,279 ~32:27/09/2022;33:US ~31:63/427,067 ~32:21/11/2022;33:US ~31:63/483,882 ~32:08/02/2023;33:US ~31:63/485,215 ~32:15/02/2023;33:US ~31:63/524,559 ~32:30/06/2023

2025/00511 ~ Complete ~54:UNMODIFIED CELLULOSE BEADS AND METHOD FOR MANUFACTURING SAME ~71:FUTAMURA KAGAKU KABUSHIKI KAISHA, 29-16, Meieki 2-chome, Nakamura-ku, Nagoya-shi, Aichi, 4500002, Japan ~72: ASUKA YAMAZAKI;IPPEI IWATA;TSUBASA SUZUKI~ 33:JP ~31:2022-107237 ~32:01/07/2022

2025/00491 ~ Complete ~54:PROPELLOR SYSTEM WHICH IS SUITABLE FOR KINETIC INTERACTION WITH A FLUID THAT FLOWS UNIDIRECTIONALLY THROUGH A CHANNEL, AND A CHANNEL FOR A UNIDIRECTIONAL FLUID FLOW PROVIDED WITH SUCH A PROPELLOR SYSTEM ~71:TURTLE PROP HTP HOLDING B.V., Mainhavenweg 17, Netherlands ~72: VAN BRIEMEN, Johannes, Willem;VAN DIJK, Ronald~ 33:NL ~31:2032174 ~32:15/06/2022

2025/00492 ~ Complete ~54:ANILINO-PYRAZOLE DERIVATIVES, COMPOSITIONS AND METHODS THEREOF ~71:ENSEM THERAPEUTICS, INC., 880 Winter Street, Suite 1003, United States of America ~72: LIU, Tao~ 33:US ~31:63/352,872 ~32:16/06/2022;33:US ~31:63/407,247 ~32:16/09/2022

2025/00482 ~ Complete ~54:ARTIFICIAL INTELLIGENCE INTEGRATED SYSTEM FOR GEOTECHNICAL SAMPLING LAYOUT ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: HAN, Yang;SHEN, Tong;YUAN, Yue~

2025/00487 ~ Complete ~54:TRANSTHYRETIN (TTR) IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square, Cambridge, Massachusetts, 02142, United States of America ~72: ADAM CASTORENO;JAMES D MCININCH;MARK K SCHLEGEL~ 33:US ~31:63/228,830 ~32:03/08/2021

2025/00509 ~ Complete ~54:CRASH FENCE ASSEMBLY ~71:BARKERS ENGINEERING LIMITED, Westhaven House, Arleston Way, Shirley, Solihull, United Kingdom ~72: SAVAGE, Adam;WOOLRIDGE, Wayne~ 33:GB ~31:2210547.2 ~32:19/07/2022

2025/00479 ~ Complete ~54:BACILLUS SUBTILIS BC23 MEDIATED SYNTHETIC NANOSCALE OIL DISPLACEMENT AGENT AND APPLICATION ~71:Yangtze University, 111 Daxue Road, Caidian District, Wuhan City, Hubei Province, 430100, People's Republic of China ~72: DONG, Hao;SHE, Yuehui;SI, Yinfang;SUN, Shanshan;YU, Gaoming;ZHANG, Fan~ 33:CN ~31:202410073863.5 ~32:18/01/2024

2025/00494 ~ Complete ~54:ZONED SPINNERET AND HIGH LOFT NONWOVEN FABRICS ~71:BERRY GLOBAL, INC., 101 Oakley Street Evansville, United States of America ~72: JOIJODE, Abhay;MOODY, III, Ralph A.;SINANGIL, Mehmet Selcuk~ 33:US ~31:63/357,196 ~32:30/06/2022

2025/00501 ~ Complete ~54:USE OF BENZISOSELENAZOLE COMPOUND IN PREPARATION OF DRUG FOR TREATMENT OF SPINAGLIOMA ~71:BEIJING NEUROSURGICAL INSTITUTE, No.119 South 4th Ring Road West Fengtai District, People's Republic of China;SHANGHAI YUANXI MEDICINE CORP, Bldg 1-3, Fangchun Rd 400, Pilot Free Trade Zone Pudong New Area, People's Republic of China ~72: CHANG, Yuanhao;JIANG, Tao;PANG, Bo;YIN, Hanwei;ZENG, Fan;ZENG, Huihui~ 33:CN ~31:202211460109.4 ~32:21/11/2022

2025/00516 ~ Complete ~54:PROCESS FOR PRODUCING AMMONIA ~71:CASALE SA, Via Giulio Pocobelli 6, Switzerland ~72: BARATTO, Francesco;GALIMBERTI, Leonardo Angelo;GENOVA, Giovanni;PANZA, Sergio~ 33:EP ~31:22183670.3 ~32:07/07/2022

2025/00496 ~ Complete ~54:DETECTION SYSTEM FOR AMINES IN FOOD PRODUCTS ~71:MICAMO LAB S.R.L., Via XX Settembre, 33/10, Italy ~72: COMORETTO, Davide;ESCHER, Andrea;GRASSELLI, Elena;LOVA,

Paola;POGGI, Alice;POLLIO, Massimo;TAVELLA, Christian;TISO, Micaela~ 33:IT ~31:102022000015411
~32:21/07/2022

2025/00478 ~ Provisional ~54:GAMIFIED WEARABLE DEVICE WITH EVOLUTION-BASED AVATAR SYSTEM FOR MOTIVATING PHYSICAL ACTIVITY AND EDUCATIONAL ACHIEVEMENT IN CHILDREN
~71:GROWGEARZ (PTY) LTD, 156 Ezra Road, Murrayfield, South Africa ~72: DU PREEZ, Michelle~

2025/00483 ~ Complete ~54:STARTING-PARKING HYBRID BATTERY FOR HEAVY-DUTY TRUCK AND CONTROL METHOD THEREOF ~71:ZHEJIANG HUACAI OPTIC-TECHNOLOGY CO., LTD., Huaxi Industrial Functional Zone, Changxing County, Zhejiang Province, 313100, People's Republic of China ~72: Dongming CHEN;Guoyun LIU~ 33:CN ~31:2024113935909 ~32:08/10/2024

2025/00489 ~ Complete ~54:METAL-CHELATED PHOSPHOLIPID COMPLEX, METAL-CHELATED PHOSPHOLIPID COMPLEX NANOPARTICLE AND DRUG-LIPID PARTICLE, AND PREPARATION METHODS AND USES THEREOF ~71:HUNAN FANAPLOS BIOTECHNOLOGY LLC., Room 202-1, Building F3, 966 Lushan South Road, People's Republic of China;HUNAN LONSTAR BIOTECH CO., LTD., Room 201, Building F3, 966 Lushan South Road, People's Republic of China ~72: Dun HU;Shan WANG;Yiyi SUN~ 33:CN ~31:202210950391.8 ~32:09/08/2022;33:CN ~31:202210950392.2 ~32:09/08/2022;33:CN ~31:202210951941.8 ~32:09/08/2022

2025/00495 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF ANTI-CD20 ANTIBODY AND USE THEREOF ~71:JOINT STOCK COMPANY "BIOCAD", vn. ter. g. poselok Strelna, ul. Svyazi, d. 38, str. 1, pomeshch. 89, Russian Federation ~72: BOLSUN, Daria Dmitrievna;IAKOVLEV, Aleksandr Olegovich;LOMKOVA, Ekaterina Aleksandrovna;MOROZOV, Dmitry Valentinovich;SOZONOVA, Aleksandra Aleksandrovna;ZINKINA-ORIKHAN, Arina Valerevna~ 33:RU ~31:2022120466 ~32:26/07/2022;33:RU ~31:2022127768 ~32:26/10/2022

2025/00477 ~ Provisional ~54:MICROPLUG ~71:Lerato Khumalo, Klerato933@gmail.com, South Africa ~72: Lerato Khumalo~

2025/00515 ~ Complete ~54:A LIQUID CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MEGAN RUTH JANKOVSKY;SASWATI PUJARI;SHAIENDRA PRATAP;SHAJAHAN ABDUL KAREEM;TEANOOSH MOADDEL~ 33:EP ~31:22188808.4 ~32:04/08/2022

2025/00485 ~ Complete ~54:METHOD AND DEVICE FOR ANNOTATING PAVEMENT STRUCTURE LAYER DISTRESSES UNDER THREE-DIMENSIONAL MULTI-VIEW IMAGING ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shanxi Province, 710000, People's Republic of China ~72: Bo YUAN;Daijie HE;Danni MAO;Jiangang DING;Lili PEI;Wei LI;Yao GAO~ 33:CN ~31:2024115219392 ~32:29/10/2024

2025/00505 ~ Complete ~54:HETEROCYCLE RBM39 MODULATORS ~71:Recursion Pharmaceuticals, Inc., 41 S. Rio Grande, SALT LAKE CITY 84101, UT, USA, United States of America ~72: BAILEY, Chris;BROOKS, Carl;FALES, Kevin;PAULSEN, Janet;SAEED, Ashraf~ 33:US ~31:63/398,050 ~32:15/08/2022

2025/00508 ~ Complete ~54:ORALLY ACTUATED CONTROL DEVICE ~71:XPND TECHNOLOGIES, SL, Av. Santa Rosa dels Pins, 99, 08358, Arenys de Munt, Barcelona, Spain ~72: CODINA CANDEL, Narcís~ 33:ES ~31:U202231037 ~32:20/06/2022

2025/00514 ~ Complete ~54:CHAIR EXERCISE APPARATUS ~71:BALANCED BODY, INC., 5909 88th Street, Sacramento, California, 95828, United States of America ~72: HARBIR SINGH;JUSTIN CHANG;KEN

ENDELMAN;MELISSA MAHMUTOVIC;SALIM DOGAN SEKERCIOGLU;YUNHUI LIU~ 33:US ~31:63/358,939
~32:07/07/2022

2025/00503 ~ Complete ~54:DEVICES AND SYSTEMS FOR PREPARING A CHEMICAL SOLUTION
~71:Innovative Water Care, LLC, 1400 Bluegrass Lakes Parkway, ALPHARETTA 30004, GA, USA, United States
of America ~72: MULLER, Matthew;WEST, Enloe~ 33:US ~31:63/366,404 ~32:15/06/2022

2025/00484 ~ Complete ~54:AN EQUIPMENT FRAME FOR LANDSCAPE DIGITAL DISPLAY ~71:Hefei
Technology College, No.2 Daihe Road, Xinzhan District, Hefei City, Anhui Province, People's Republic of China
~72: Huang Shuping;Li Yan;Wang Qianqian;Yan Xiaoman;Zhang Fei;Zhao Bihuang~

2025/00480 ~ Complete ~54:A METHOD FOR DYNAMICALLY REGULATING THE LINEARITY OF
TEMPERATURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District,
Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Guofeng He;Wei He;Yanfei
Dong;Zhenzhen Cheng~

2025/00499 ~ Complete ~54:SYSTEM AND METHOD FOR MAKING NUCLEAR FUEL ELEMENTS WITH A
CONTROLLED NUMBER OF NUCLEAR PARTICLES ~71:X-ENERGY, LLC, 801 THOMPSON AVENUE, SUITE
300, ROCKVILLE, MARYLAND 20852, USA, United States of America ~72: BLAMER, Brandon~ 33:US
~31:17/845,385 ~32:21/06/2022

2025/00506 ~ Complete ~54:B-GLUCAN-RICH *SACCHAROMYCES CEREVISIAE* YEAST CELL WALL EXTRACT IN
THE PREVENTION OR TREATMENT OF A DISEASE ASSOCIATED WITH OR CAUSED BY A *LAWSONIA*
INTRACELLULARIS INFECTION ~71:Lesaffre et Compagnie, 41 rue Etienne Marcel, PARIS 75001, FRANCE,
France ~72: KUHN, Géraldine;SCHULTHESS, Julie~ 33:FR ~31:2207447 ~32:20/07/2022

2025/00512 ~ Complete ~54:MUTANT NITRILE HYDRATASE, NUCLEIC ACID ENCODING MUTANT NITRILE
HYDRATASE, VECTOR AND TRANSFORMANT CONTAINING NUCLEIC ACID, PRODUCTION METHOD OF
MUTANT NITRILE HYDRATASE, AND PRODUCTION METHOD OF AMIDE COMPOUND ~71:MITSUI
CHEMICALS, INC., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, 1040028, Japan ~72: DAISUKE MOCHIZUKI;JUNKO
TOKUDA;YASUSHI KIDA~ 33:JP ~31:2022-106069 ~32:30/06/2022

2025/00490 ~ Complete ~54:BATTERY CELL WITH ELECTRODE, ELECTRICALLY AND THERMALLY
CONDUCTIVE COLLECTOR, WITH INTERNAL AND EXTERNAL HEAT EXCHANGER ~71:RISCO, Raul-loan,
Str. Cristianul nr. 22, bloc 166 J et. 2 ap. 8, Romania ~72: RISCO, Raul-loan~ 33:RO ~31:a202200352
~32:20/06/2022

2025/00493 ~ Complete ~54:METHODS OF MAKING MODIFIED BTK INHIBITORS ~71:PRINCIPIA
BIOPHARMA INC., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: KANE, Jr, John
L.;OWENS, Timothy D.;TURNER, Timothy J.~ 33:US ~31:63/354,330 ~32:22/06/2022

2025/00502 ~ Complete ~54:METHOD FOR CONTROLLING ACTIVE MATRIX DISPLAYS, CORRESPONDING
CONTROLLER, AND COMPUTER PROGRAM PRODUCT ~71:PENNY PIXEL, INC., 850 New Burton Road,
Suite 201, United States of America ~72: Achim DÖBLER~ 33:DE ~31:10 2022 119 130.3 ~32:29/07/2022

- APPLIED ON 2025/01/16 -

2025/00531 ~ Complete ~54:A COMPOSITE DUST SUPPRESSANT AND ITS APPLICATION ~71:Kunming
University of Science and Technology, No. 68, Wenchang Road, Yi'eryi Avenue, Wuhua District, Kunming City,
Yunnan Province, 650031, People's Republic of China ~72: Gongbo Liu;Jiajia Zou;Lin Zhao;Xinhui Luo;Xueming
Fang~

2025/00534 ~ Complete ~54:FEED ADDITIVE OF ARTEMISIA DESERTORUM SPRENG POLYSACCHARIDE FOR PREGNANT FEMALE LIVESTOCK AND PREPARATION METHOD THEREOF ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES, NO. 22, ZHAOJUN ROAD, People's Republic of China ~72: DAI, Lingli;DANG, Juan;JIN, Lu;LI, Shengli;LI, Xue;LIU, Min;LIU, Wei;PEI, Le;TU, Buxinbilige;WANG, Na;WU, Rentaodi;WU, Zhihong;ZHANG, Chunhua;ZHANG, Yuemei~

2025/00536 ~ Complete ~54:MULTI-DIMENSIONAL DATA ANALYSIS AND VISUALIZATION SYSTEM BASED ON CLUSTERING ALGORITHMS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAI Jing;CHEN Meng;CHEN Yao;LI QiuHong;LI Yajie;WANG Chaoyong;WANG Xiaohui;ZHANG Yao;ZHAO Xupei;ZHOU Yiming~

2025/00539 ~ Complete ~54:APPLICATION FOR PORCINE UMBILICAL CORD BLOOD EXOSOME IN PREPARATION OF BIOLOGIC FOR REPAIRING SKIN INJURY ~71:Southwest University, No.2 Tiansheng Road, Beibei District, Chongqing, People's Republic of China ~72: Daiyu ZHANG;Jia LUO;Qiang PU;Taoron LUO;Zhenhao WEN;Zihan Ma~

2025/00544 ~ Complete ~54:A STRIPPING DEVICE FOR THYROID SURGERY ~71:THE FIRST AFFILIATED HOSPITAL OF ZHENGZHOU UNIVERSITY, No.1 Jianshe East Road, Erqi District, Zhengzhou City, Henan Province, 450052, People's Republic of China ~72: Dai Quanwei;Ding Yalei;Liu Senyuan;Qiu Xinguang~

2025/00546 ~ Complete ~54:METHOD FOR IMPROVING SYNTHESIS EFFICIENCY OF NANO-SELENIUM MICROORGANISMS ~71:Ji'an College, Ji'an South Avenue, Jizhou District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: Peng Weifu;Tang Hongying;Tang Jun;Xie Chunlian;Yang Huan;Yang Ziyang;Zeng Qing~ 33:CN ~31:2024117502812 ~32:02/12/2024

2025/00561 ~ Complete ~54:NON-ALKALIZED BOILED COCOA POWDER ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AUZANNEAU, Noémie Rosanne;COTARD, Aurélien;DEFFERRARD, Philippe;PELLON VEGA HAZAS, Isabel~ 33:EP ~31:22180773.8 ~32:23/06/2022

2025/00521 ~ Complete ~54:METHOD FOR PREPARING LOW-GOLD-SILVER CATHODE COPPER BY CONTINUOUS ELECTROLYTIC REFINING OF HIGH-GOLD-SILVER COPPER PLATE ~71:Henan University of Science and Technology, No. 263 Kaiyuan Avenue, Luoyang City, Henan Province, People's Republic of China ~72: CHEN Chen;CHENG Chu;GAO Yan;LI Shaolin;LI Yankun;LIU Haitao;LU Qionggong;LU Weiwei;PENG Xiaowen;SONG Kexing;YUE Pengfei;ZHANG Guoshang;ZHANG Yanmin;ZHOU Yanjun~

2025/00545 ~ Complete ~54:A MULTI-FACETTED SHIFT FINGER AND A GEAR SHIFT ASSEMBLY FOR A VEHICLE ~71:MAHINDRA & MAHINDRA LIMITED, Mahindra & Mahindra Limited, Mahindra Research Valley, Mahindra World City, Plot No:41/1, Anjur P.O., Chengalpattu, India ~72: DHANANJAYA, Rao Boita;KISHORE, SELVAM;MUTHURAMAN, Ranganathan;SATHISHWARAN, Natarajan~ 33:IN ~31:202441053476 ~32:12/07/2024

2025/00549 ~ Complete ~54:FERTILIZER INJECTION DEVICE IN CULTIVATION OF SUGARCANE VIRUS-FREE ORIGINAL SEEDLING ~71:Institute of Tropical Biotechnology, Chinese Academy of Tropical Agricultural Sciences, No. 4 Xueyuan Road, Haikou City, Hainan Province, 571101, People's Republic of China ~72: Cai Wenwei;Cao Zhengying;Gan Yimei;Hu Siyang;Peng Lishun;Tan Xianjiao;Wang Yongzhuang;Wu Yuanli~

2025/00557 ~ Complete ~54:DOSING REGIMENS COMPRISING A KAT6 INHIBITOR FOR THE TREATMENT OF CANCER ~71:CTXT PTY LTD, 305 Grattan Street, Parkville Melbourne, Australia;PFIZER INC., 66 Hudson Boulevard East, New York, United States of America ~72: GREENWALD, Eric Chris;HOMJI MISHRA, Natasha

Farrokh;KOWALSKI, Karen Leann;LI, Meng;LIU, Li;ZHENG, Jingwen~ 33:US ~31:63/393,504
~32:29/07/2022;33:US ~31:63/468,677 ~32:24/05/2023;33:US ~31:63/470,365 ~32:01/06/2023

2025/00564 ~ Complete ~54:PENCIL LEAD WITH POLYHYDROXYBUTYRIC ACID BINDER AND PENCIL WITH THE LEAD ~71:STAEDTLER SE, Moosäckerstr. 3, 90427, Nürnberg, Germany ~72: MARTIN JAKOB~ 33:DE ~31:10 2022 119 775.1 ~32:05/08/2022

2025/00552 ~ Complete ~54:WIND TURBINE POWER PREDICTION DEVICE ~71:Xinjiang Engineering Institute, No. 1350 Aidinghu Road, Economic and Technological Development Zone (Toutunhe District), Urumqi, Xinjiang, People's Republic of China ~72: Gao Jia;Shi Qian;Xing Liqiang;Yin Chao;Yin Cui~

2025/00559 ~ Complete ~54:ORALLY ADMINISTRABLE PHARMACEUTICAL DOSAGE FORM COMPRISING LANTHANUM AND ITS USE IN A METHOD OF TREATMENT OF HYPEROXALURIA ~71:AMGMT, Ferdinand Coosemansstraat 184, Belgium ~72: DE BROE, Marc~ 33:EP ~31:22182615.9 ~32:01/07/2022

2025/00563 ~ Complete ~54:A COMPOUND MIXTURE ~71:ANGLO AMERICAN WOODSMITH LIMITED, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom ~72: JONATHAN RICHARD WALTON BROWN;TIMOTHY DAVID LEWIS~ 33:GB ~31:2209277.9 ~32:24/06/2022

2025/00568 ~ Complete ~54:PREDICTING TRACK ASSEMBLY COMPONENT FAILURE USING DIRECT OIL CONTACT SENSOR DEVICE ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: AKINLUA, Temitope O.;GALAT, Michael S.;JOHANNSEN, Eric J.~ 33:US ~31:17/810,718 ~32:05/07/2022

2025/00570 ~ Complete ~54:TIP AND ADAPTER COUPLING SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: MCCAFFREY, Brandon, H.;PARZYNSKI, JR., David, B.;SINN, Eric, T.;ULRICH, IV, William, J.;WELLS, Corey, M.~ 33:US ~31:63/359,229 ~32:08/07/2022;33:US ~31:18/338,239 ~32:20/06/2023

2025/00526 ~ Complete ~54:AUTONOMOUS VEHICLE PATH GENERATION SYSTEM BASED ON MULTI-OBJECTIVE CONSTRAINTS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAI Jing;CHEN Yao;KOU Mengtian;LI Hua;LI Yajie;LIU Lijun;WANG Xiaohui;XU Huafeng;ZHANG Yao;ZHANG Zilu~

2025/00528 ~ Complete ~54:A THREE-DIMENSIONAL INVERSION METHOD FOR GRAVITY AND ITS GRADIENT TENSOR DATA IN FREQUENCY DOMAIN ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Fangchao Lu;Haomin Tian;Lulu Zhang;Quan Lou;Sheng Liu;Yanhui Yang;Yiju Tang~

2025/00530 ~ Complete ~54:A SUN-CURED YELLOW TOBACCO MODULATING, FOLDING AND DRYING DEVICE ~71:Guangdong Institute of Tobacco Science, West Tower, City Tou Business Building, Xilian Town, Wujiang District, Shaoguan City, Guangdong Province, People's Republic of China;Guangdong Tobacco Shaoguan Co., Ltd., West Tower, City Tou Business Building, Xilian Town, Wujiang District, Shaoguan City, Guangdong Province, People's Republic of China ~72: FAN Miaomiao;LIU Lan;SUN Zheng;WANG Jun;WANG Xing;WANG Xuebo;ZHAO Weicai;ZONG Zhaohui~

2025/00537 ~ Complete ~54:INTELLIGENT ROUTE ALLOCATION SYSTEM FOR REAL-TIME TRAFFIC FLOW OPTIMIZATION ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CAI Jing;CHEN Yao;HAN Zongyuan;KOU Mengtian;LI Yajie;LIU Yuxiao;WANG Xiaohui;ZHANG Yao;ZHANG Zilu;ZHAO Xupei~

2025/00542 ~ Complete ~54:PREPARATION METHOD OF ANODIC OXYGEN EVOLUTION ELECTRODE FOR WATER ELECTROLYSIS AND NICKEL-BASED SULFUR/PHOSPHORUS GROUP COMPOUND ~71:XUANCHENG VOCATIONAL & TECHNICAL COLLEGE, No. 698, Xunhua Road, Xuancheng City, Anhui Province, 242000, People's Republic of China ~72: BENSONG ZHANG;DI WU;GUANQUN CAI;LI WANG;QINGHUA WANG;YUNXIA PEI;ZHONGHAI YU~

2025/00556 ~ Complete ~54:TASTE-MASKING MICROSPHERE, PREPARATION PROCESS THEREFOR, AND USE THEREOF ~71:BEIJING ZHENGLONG PHARMACEUTICAL RESEARCH INSTITUTE CO., LTD, B6-10, Yizhuang Biomedical Park, Daxing District, People's Republic of China;HARBIN KANON PHARMACEUTICAL CO., LTD, No. 88 Siping Road, Limin Street, People's Republic of China ~72: MU, Bin;ZHAO, YuXin~ 33:CN ~31:202210938199.7 ~32:05/08/2022;33:CN ~31:202310907725.8 ~32:21/07/2023

2025/00524 ~ Complete ~54:METHOD FOR SURFACE MODIFICATION OF PURE TITANIUM OR TITANIUM ALLOY MEDICAL IMPLANT MATERIAL ~71:HUANG Jinghui, Xiangya Stomatological Hospital, No. 72 Xiangya Road, Kaifu District, Changsha City, Hunan Province, People's Republic of China;LI Huangdi, Xiangya Stomatological Hospital, No. 72 Xiangya Road, Kaifu District, Changsha City, Hunan Province, People's Republic of China;ZUO Jun, Xiangya Stomatological Hospital, No. 72 Xiangya Road, Kaifu District, Changsha City, Hunan Province, People's Republic of China;ZUO Xingzhi, Xiangya Stomatological Hospital, No. 72 Xiangya Road, Kaifu District, Changsha City, Hunan Province, People's Republic of China ~72: CHEN Ziyuan;HUANG Jinghui;LI Huangdi;TANG Zhangui;ZUO Jun;ZUO Xingzhi~

2025/00575 ~ Complete ~54:ARTEMISIA SPHAEROCEPHALA KRASCH. POLYSACCHARIDE FEED ADDITIVE FOR IMPROVING SHEEP IMMUNITY AND PREPARATION METHOD THEREOF ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL & ANIMAL HUSBANDRY SCIENCES, NO. 22, ZHAOJUN ROAD, People's Republic of China ~72: AI, Dong;BAO, Hua;JIN, Lu;LI, Shengli;LI, Wenting;LIU, Wei;LIU, Zhiyou;SA, Chula;SUN, Haizhou;TU, Buxinbilige;ZHANG, Chongzhi;ZHANG, Chunhua~

2025/00519 ~ Complete ~54:AN ELECTROPLATING DEVICE DESIGNED FOR THE PREPARATION OF RECHARGEABLE ZINC BATTERY ANODE METAL MATERIALS ~71:Yancheng Teachers University, Hope Avenue South Road, Tinghu District, Yancheng City, Jiangsu Province, People's Republic of China ~72: Liu Jiahao;Wang Jindi;Yue Mohan~ 33:CN ~31:2024119325969 ~32:26/12/2024

2025/00543 ~ Complete ~54:NOVEL ANTIGEN BINDING DOMAINS AND SYNTHETIC ANTIGEN RECEPTORS INCORPORATING THE SAME ~71:ANGELES THERAPEUTICS, INC., 4606 Arcola Avenue, Toluca Lake, United States of America ~72: CHAUDHARY, Preet M.~ 33:US ~31:62/990,396 ~32:16/03/2020

2025/00547 ~ Complete ~54:JUGGLING AUXILIARY DEVICE FOR FOOTBALL TRAINING ~71:Inner Mongolia University of Science Technology, No. 7 Alding Street, Kundulun District, Baotou City, Inner Mongolia Autonomous Region, 014010, People's Republic of China ~72: Bai Nan;Li Jiangong;Li Qinghua~

2025/00560 ~ Complete ~54:ROOM STABLE HYDROXYUREA ORAL SUSPENSION ~71:AKUMS DRUGS & PHARMACEUTICALS LIMITED, 304, Mohan Place, L.S.C. Block-C, India ~72: CHAUDHARY, Arun;JAIN, Sanjeev;JAISWAL, Sunil;PAL, Krishna~ 33:IN ~31:202311063613 ~32:20/09/2023

2025/00554 ~ Complete ~54:HEALTH DATA MANAGEMENT METHOD AND SYSTEM BASED ON SILICON AND DIAMOND THREE-DIMENSIONAL INTEGRATED CHIP ~71:ZHOU, Weiping, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIU, Enping;LIU, Sujun;LIU, Yidi;TAN, Ping;WANG, Shengxiang~

2025/00558 ~ Complete ~54:REPAIR AGENT AND REPAIR METHOD FOR GRAPHITE CRUCIBLE ~71:Miluo Fuyuan New Materials Co., Ltd, Group 26, Hexin Village, Xinshi Town, Miluo City, Yueyang, People's Republic of China ~72: Botao GU;Jiufu YANG~ 33:CN ~31:2023117186859 ~32:14/12/2023

2025/00565 ~ Complete ~54:METHOD FOR CONTROLLING UNDESIRE PLANTS AND PROMOTING GROWTH OF USEFUL PLANTS ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori 1-chome, Nishi-ku, Osaka-shi, Osaka, 5500002, Japan ~72: SHOTA FUKUDA;TAKETO SUGANUMA~ 33:JP ~31:2022-121363 ~32:29/07/2022

2025/00540 ~ Complete ~54:DISCRETE FRACTURE MODEL BASED ON POROUS MEDIUM PORE NETWORK MODEL AND ADDING METHOD THEREOF ~71:Nanchang Institute of Technology, No. 289, Tianxiang Road, Nanchang, Jiangxi, 330099, People's Republic of China ~72: Bin XU;Bo FENG;Chu ZHANG;Jian FENG;Xipeng CHEN;Yuejian LU;Zebing ZHOU~

2025/00553 ~ Complete ~54:THREE-DIMENSIONAL VISUALIZATION IMAGING DEVICE FOR BUBBLE AND THREE-DIMENSIONAL RECONSTRUCTION METHOD FOR BUBBLE BASED ON OPTICAL PATH OBSERVATION ~71:SHANDONG UNIVERSITY, 17923 Jingshi Road, Lixia District, Jinan, People's Republic of China ~72: CHEN, Pengchen;JIANG, Bo;LIU, Jingting;SONG, Yongxing;WANG, Yuxin~

2025/00566 ~ Complete ~54:THERMOLYTIC FRAGMENTATION OF SUGARS ~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: CHRISTIAN MÅRUP OSMUNDSEN;MAX THORHAUGE;MORTEN BOBERG LARSEN~ 33:EP ~31:22192643.9 ~32:29/08/2022

2025/00517 ~ Provisional ~54:INVIDOTECH COUNTERFEITS AUTHENTICATION TECHNOLOGY – NOVEL GPS COUNTERFEITS TECHNOLOGY WITH ON-DEMAND ACTIVATION CAPABILITY FOR PRODUCT AUTHENTICATION ~71:Calvin Peu, Villa Nessa, Brooklands Estate, Kosmosdal, South Africa ~72: Calvin Peu~

2025/00535 ~ Complete ~54:CAPACITIVE DESALTING DEVICE CONVENIENT TO DISASSEMBLE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HU Xiaoxian;LI Houyun;LI Xinyu;LI Ziang;WU Junfeng;ZHANG Di~

2025/00538 ~ Complete ~54:CAPACITIVE DEIONIZATION DESALINATION TREATMENT DEVICE FOR WATER TREATMENT ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LongXiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HU Xiaoxian;LI Houyun;LI Xinyu;LI Ziang;WU Junfeng;ZHANG Di~

2025/00522 ~ Complete ~54:A METHOD FOR SEEDING RAISING OF APOCYNUM ~71:Wuwei Academy of Forestry Sciences, Floor 13, Wuwei Agriculture, Forestry and Animal Husbandry Comprehensive Service Building, Minqin Road, Liangzhou District, Wuwei City, Gansu Province, 733000, People's Republic of China ~72: Gao Jingtao;He Cai;Li Wenhai;Zhang Peng~ 33:CN ~31:2024118957976 ~32:20/12/2024

2025/00527 ~ Complete ~54:A MINING SAFETY PROTECTION DEVICE FOR NON-COAL MINE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Hao Yang;Rongfu Peng~

2025/00533 ~ Complete ~54:INDUSTRIAL PRESSURE CLEANER ~71:CRONJE, Estelle, 64 Seventh Street, South Africa;FOURIE, Margarietha Maria Susanna, 61A Seventh Street, South Africa ~72: CRONJE, Pieter Francois Johannes;FOURIE, Hans Jurgens~ 33:ZA ~31:2023/09622 ~32:16/10/2023

2025/00541 ~ Complete ~54:DATA ANALYSIS METHOD AND APPARATUS FOR WIRELESS CHARGER, CHARGER AND STORAGE MEDIUM ~71:SHENZHEN GTL TECHNOLOGY CO., LTD., Room 602, 6F of Building B11, Hengfeng Industrial Park, Hezhou, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, 518000, People's Republic of China ~72: BO YAN;PING YAN~ 33:CN ~31:202410476822.0 ~32:19/04/2024

2025/00550 ~ Complete ~54:CABLE CLAMPING DEVICE FOR ELECTRONIC INFORMATION COMMUNICATION ~71:Xinyu University, No. 2666 Sunshine Avenue High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Fu Kai;Luo Jun;Sun Yanping;Wang Jiahui~

2025/00555 ~ Complete ~54:DOUBLE STRANDED RNA TARGETING ANGIOTENSINOGEN (AGT) AND METHODS OF USE THEREOF ~71:SANEGENE BIO USA INC., 300 TradeCenter, Suite 5500, Woburn, United States of America ~72: WANG, Shiyu;WANG, Weimin;YANG, Zhongfa;ZHANG, Chunyang~ 33:US ~31:63/395,445 ~32:05/08/2022

2025/00562 ~ Complete ~54:SUSPENSION OF CERIUM OXIDE PARTICLES ~71:Rhodia Operations, 9 rue des Cuirassiers, Immeuble Silex 2 Solvay, LYON 69003, FRANCE, France ~72: FAURE, Benjamin;HARLE, Virginie;IFRAH, Simon~ 33:EP ~31:22305883.5 ~32:17/06/2022

2025/00569 ~ Complete ~54:SYSTEMS AND METHODS FOR COLLISION AVOIDANCE FOR SHAPE CHANGING MACHINES ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: MALEY, Jacob C.;POTHUGUNTI, Manoj;WEI, Mo;ZUO, Jun~ 33:US ~31:17/810,695 ~32:05/07/2022

2025/00518 ~ Provisional ~54:REMOTELY ACTIVATED DISPENSING SECURITY DEVICE ~71:Robert Cole, 293 Molopo Street, Sinoville, Pretoria, 0187, South Africa ~72: Robert Cole~

2025/00520 ~ Complete ~54:METHOD AND SYSTEM OF CRIME TYPE TREND ANALYSIS BASED ON BIG DATA ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GUO Yizhen;LI Yanke;LU Ling;MA Dongli~

2025/00525 ~ Complete ~54:AUTOMATIC LANDSLIDE DISASTER IDENTIFICATION METHOD BASED ON LIGHTWEIGHT DEEP LEARNING NETWORK ~71:FUZHOU UNIVERSITY, No. 2 Wulongjiang North Avenue, Fuzhou University Town, Minhou County, Fuzhou, Fujian 350108, People's Republic of China ~72: GUO Xiangzhong;Lu Yimin~ 33:CN ~31:202410079986.X ~32:19/01/2024

2025/00548 ~ Complete ~54:ARRANGEMENT DEVICE FOR FINANCIAL VOUCHERS ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Nanchang City, Jiangxi Province, 338000, People's Republic of China ~72: Chen Xiaoyun~

2025/00551 ~ Complete ~54:BIG DATA ANALYSIS INFORMATION PROCESSING DEVICE WITH HIGH SECURITY ~71:Xinyu University, No. 2666 Sunshine Avenue High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Cai Lin;Jiang Hanbing~

2025/00523 ~ Complete ~54:LED LAMP BEAD PACKAGING DEVICE ~71:Guangdong Lihe Lighting Technology Co., Ltd., Floor 3-2, Building 2, No. 265, Nanhua East Road, Hetang Town, Pengjiang Dist., Jiangmen, Guangdong, People's Republic of China ~72: Xiewen Zhi~

2025/00529 ~ Complete ~54:HYGIENICS MEASURING EXTENSION RULE FOR MEASURING STANDARD MODELS OF DESKS AND CHAIRS FOR PRIMARY AND SECONDARY SCHOOLS ~71:Hunan Provincial Center For Disease Control And Prevention (Hunan Academy of Preventive Medicine), No. 861, Xinglian Road, Kaifu District, Changsha, Hunan, 410153, People's Republic of China ~72: TAN, Yaqing;WANG, Fei~

2025/00532 ~ Complete ~54:PLANT DYE AND PREPARATION METHOD THEREOF ~71:Jiangsu Nhwa Pharmaceutical Co.,Ltd., Enhua Pharmaceutical Research Institute,No.1 Yunhe Road, High-tech Industrial Park,Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No. 1 Xiangwang South Road, Gulou District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: LI Xiang;WU Hao;WU Xian;YANG Rui~

2025/00567 ~ Complete ~54:METHOD OF PROCESSING DUST COLLECTED ON A DUST FILTER OF A CONTINUOUS DUST MONITORING DEVICE FOR ANALYSIS ~71:COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, Clunies Ross St, Acton, Australian Capital Territory, 2601, Australia ~72: BHARATH KUMAR BELLE;HUA GUO;SRINIVASA RAO BALUSU;YONGGANG JIN~ 33:AU ~31:2022901987 ~32:15/07/2022

- APPLIED ON 2025/01/17 -

2025/00614 ~ Complete ~54:KITS FOR A TRUCK BED COVER ASSEMBLY ~71:GI.ANSO 4X4 CLUB, S.A., 19.5 KLM National Road Athens-Corinth 19200, Greece ~72: MICHALIDIS, Athinodoros~ 33:EP ~31:22185540.6 ~32:18/07/2022

2025/00615 ~ Complete ~54:ADAPTER AND TIP COUPLING SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: MCCAFFREY, Brandon H.;SINN, Eric T.;ULRICH, IV, William J.;WELLS, Corey M.~ 33:US ~31:63/359,244 ~32:08/07/2022;33:US ~31:18/338,207 ~32:20/06/2023

2025/00601 ~ Complete ~54:METHOD FOR PREPARING HIGH THERMAL CONDUCTIVITY GRAPHITE FILM MATERIAL BY USING RECYCLED MATERIALS ~71:Miluo Fuyuan New Materials Co., Ltd, Group 26, Hexin Village, Xinshi Town, Miluo City, Yueyang, Hunan Province, People's Republic of China ~72: Botao GU;Jiufu YANG~ 33:CN ~31:2023117187122 ~32:14/12/2023

2025/00577 ~ Complete ~54:PRIMER SETS FOR DETECTING VIRULENCE GENES OF CLOSTRIDIUM PERFRINGENS BASED ON DOUBLE LOOP-MEDIATED ISOTHERMAL AMPLIFICATION, AND KIT AND DETECTION METHOD THEREOF ~71:Shanxi Agricultural University, No.1 Mingxian Road, Taigu, Jinzhong, Shanxi, 030800, People's Republic of China ~72: HE, Junping;HU, Wanxing;JI, Shusen;SHENG, Ruimin;WANG, Hui;YANG, Yulong;ZHANG, Yaning;ZHU, Qi~

2025/00594 ~ Complete ~54:METHOD OF LEACHING RARE EARTH ELEMENTS USING MICROBACTERIUM TESTACEUM XS6-1 ~71:Beijing Research Institute of Chemical Engineering and Metallurgy, No. 145 Jiukeshu, Tongzhou District, Beijing, People's Republic of China ~72: Baomin YU;Chunfeng LI;Hui LIU;Jiahong SUN;Jingmin ZHANG;Kang LIU;Liuyin SHI;Meifang CHEN;Qingyin XIA;Xiumin JIA;Xuebin SU;Yuan YUAN;Yunsheng MENG~ 33:CN ~31:202410075985.8 ~32:18/01/2024

2025/00600 ~ Complete ~54:LOAD DISTRIBUTION IN TANDEM AXLE OF A VEHICLE ~71:TATA MOTORS LIMITED, Bombay House, 24 Homi Mody Street, Hutatma Chowk, Maharashtra, India ~72: MEHENDALE, Ravindra;PREMLAL, P.;SHETE, Vinit Sudhir;SUTAR, Nimish~ 33:IN ~31:202221035723 ~32:22/06/2022

2025/00602 ~ Complete ~54:TUNNEL CONSTRUCTION METHOD AND MACHINE ~71:MACCAFERRI TUNNELING S.R.L., Via Albricci Alberico 9, Italy ~72: Cristiano BONOMI~ 33:IT ~31:102022000015058 ~32:18/07/2022

2025/00617 ~ Complete ~54:PANTOGRAPH ASSEMBLY WITH FORCE DAMPENERS ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: HOGAN, Richard Eugene;JAYAKODY, Nimesh Akalanka;JONNAVITTULA, Praveen Kumar;RANDALL, Jacob Dean~ 33:US ~31:17/814,148 ~32:21/07/2022

2025/00573 ~ Provisional ~54:SLIDING GATE SECURITY ~71:MARAIS, Hendrik Jacobus Petrus, 18B Sherry Villano, Paul Kruger Street, Edenglen, South Africa ~72: MARAIS, Hendrik Jacobus Petrus~

2025/00590 ~ Complete ~54:A VEIN DETECTION SYSTEM USING PULSE OXIMETER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: JANOKAR, Sagar;NAMA, Omkar;NANDANE, Hemant;NANDWALKAR, Kumar;NANEKAR, Apurva;NANGARE, Amarsinh;NANGARE, Gayatri~

2025/00612 ~ Complete ~54:COVER ASSEMBLY FOR TRUCK BED ~71:GI.ANSO 4X4 CLUB, S.A., 19.5 KLM National Road Athens-Corinth 19200, Greece ~72: MICHAILIDIS, Athinodoros~ 33:EP ~31:22185152.0 ~32:15/07/2022

2025/00611 ~ Complete ~54:METHOD OF TREATING ORGAN DISEASES OR DISORDERS WITH ASK1 INHIBITORS ~71:SEAL ROCK THERAPEUTICS, INC., 600 Stewart Street, Suite 400, United States of America ~72: BROWN, Samuel David;ELIAS, Kathleen Ann;MCDONNELL, Neil Dwayne;PLONOWSKI, Artur;PORTER, Terence Graham~ 33:US ~31:63/368,961 ~32:20/07/2022

2025/00616 ~ Complete ~54:WATER DISPENSING MANAGEMENT FOR AUTONOMOUS MACHINES ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: BANHAM, Mark Howard;BHATIA, Ruchi~ 33:US ~31:17/813,133 ~32:18/07/2022

2025/00576 ~ Complete ~54:TRANSVALVULAR BLOOD PUMP ~71:THE FIRST AFFILIATED HOSPITAL OF SOOCHOW UNIVERSITY, No.899, Pinghai Road, Gusu District, Suzhou, Jiangsu, 215000, People's Republic of China ~72: JI, Fuhai;LIU, Huayue;MA, Zhengmin;MENG, Xiaowen;PENG,ke;SHAN, Xisheng;YANG, Guowang;YANG,Yufan~ 33:CN ~31:202411820729.3 ~32:11/12/2024

2025/00610 ~ Complete ~54:CYCLIC COMPOUNDS AND METHODS OF USING SAME ~71:SCHRÖDINGER, INC., 1540 Broadway, 24th Floor, New York, New York, 10036, United States of America ~72: ANA NEGRI;ANDREW PLAZCEK;GORAN KRILOV;JIAYE GUO;MATS SVENSSON;MICHAEL TRZOSS;ROBERT PELLETIER;SHELBY ELLERY;SHULU FENG;ZHE NIE~ 33:US ~31:63/391,548 ~32:22/07/2022

2025/00618 ~ Complete ~54:COVER ASSEMBLY FOR TRUCK BED ~71:GI.ANSO 4X4 CLUB, S.A., 19.5 KLM National Road Athens-Corinth 19200, Greece ~72: MICHAILIDIS, Athinodoros~ 33:EP ~31:22185538.0 ~32:18/07/2022

2025/00571 ~ Provisional ~54:PRESTU ~71:ANTHON JOHN SAAYS, 63 KOEN CRESCENT, South Africa ~72: ANTHON JOHN SAAYS~ 33:ZA ~31:1 ~32:01/01/2025;33:ZA ~31:4 ~32:01/01/2025

2025/00579 ~ Complete ~54:HIGH-EFFICIENCY MOVABLE INSECT-REPELLENT DEVICE FOR PLANTS ~71:Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou, Gansu Province, 730070, People's Republic of China ~72: Chunchun LI;Lei LIU;Lixiang WANG;Suqin SHANG;Xiaoxiao CHEN~

2025/00584 ~ Complete ~54:SYSTEM AND METHOD FOR MONITORING CONSTRUCTION NEAR EXISTING RAILWAYS ~71:China Railway No. 4 Engineering Group Co., Ltd., No.96 Wangjiang East Road, Baohe District, Hefei City, Anhui Province, 230002, People's Republic of China;The Fourth Engineering Co., Ltd. of CTCE Group, No.106 Zhangwa Road, Yaohai District, Hefei City, Anhui Province, 230011, People's Republic of China ~72: DU, Fa;DU, Mei;GUO, Guohui;JIA, Kai;JIN, Rongwei;YANG, Wenjie;YUAN, Zhengpu;ZHANG, Jie;ZHU, Hongbo~ 33:CN ~31:2024118388265 ~32:13/12/2024

2025/00609 ~ Complete ~54:CONTROL METHOD FOR WIND TURBINE, AND RELATED APPARATUS ~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: TAO SUN;XIAOFANG HUANG;YONG CHEN;ZHAOCHONG SUN~ 33:CN ~31:202210909604.2 ~32:29/07/2022

2025/00613 ~ Complete ~54:COVER ASSEMBLY FOR TRUCK BED ~71:GI.ANSO 4X4 CLUB, S.A., 19.5 KLM National Road Athens-Corinth 19200, Greece ~72: MICHAILIDIS, Athinodoros~ 33:EP ~31:22185542.2 ~32:18/07/2022

2025/00586 ~ Complete ~54:A REEVALUATION METHOD OF LOW GRADE AND SALT LAKE TYPE POTASSIUM SALT MINERALS CO-ASSOCIATED RESOURCES ~71:Qinghai Geological Survey, Block C, Dikuang Garden, Community, No. 22 Shengli Road, Chengxi District, Xining City, Qinghai Province, 810000, People's Republic of China;Qinghai Provincial Geological Survey Institute, No. 107, Nanchuan West Road, Chengzhong District, Xining City, Qinghai Province, 810000, People's Republic of China;Qinghai Qaidam Comprehensive Geological and Mineral Exploration Institute, No. 12, Kunlun South Road, Golmud City, Qinghai Province, 816099, People's Republic of China ~72: Chengwu Jiang;Jiubo Liu;Shanbin Bao;Yuzhen Yang;Zhicheng Jing~

2025/00588 ~ Complete ~54:A VENTILATION DEVICE FOR SAFETY IN NON-COAL MINES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Hao Yang;Rongfu Peng~

2025/00592 ~ Complete ~54:GLOBAL ADDRESS SYSTEM AND METHOD ~71:SARWAR PEDAWI, Ster Group DMCC, Jumeirah Lake Towers, Cluster T, Fortune Executive Tower 2402, P.O. Box 214079, Dubai, United Arab Emirates ~72: SARWAR PEDAWI~ 33:US ~31:16/055,775 ~32:06/08/2018

2025/00595 ~ Complete ~54:METHOD FOR MICROBIAL LEACHING OF MOLYBDENUM ORE ~71:Beijing Research Institute of Chemical Engineering and Metallurgy, No. 145 Jiukeshu, Tongzhou District, Beijing, People's Republic of China ~72: Baomin YU;Chunfeng LI;Hui LIU;Jiahong SUN;Jingmin ZHANG;Kang LIU;Liuyin SHI;Meifang CHEN;Qingyin XIA;Xiumin JIA;Xuebin SU;Yuan YUAN;Yunsheng MENG~ 33:CN ~31:202410076031.9 ~32:18/01/2024

2025/00596 ~ Complete ~54:WASTEWATER TREATMENT SYSTEM ~71:PHOENIX WATER (PTY) LTD., 38A Forge Road, SPARTAN, Kempton Park, Johannesburg 1620, Gauteng, SOUTH AFRICA, South Africa ~72: VORSTER, Barry Robert~ 33:ZA ~31:2023/05352 ~32:17/10/2023

2025/00599 ~ Complete ~54:A METHOD AND DEVICE FOR DISINFECTING WATER AND WATER SUPPLY SYSTEM COMPRISING SAID DEVICE ~71:SENSIBLUE IP B.V., Televisiestraat 2E, Netherlands ~72: THOLEN, Johannes Petrus Paulus;THOLEN, Wirijn Jan~ 33:NL ~31:2032699 ~32:08/08/2022

2025/00604 ~ Complete ~54:SOLID-STATE FORMS OF *N*-(2-(4-CYANOTHIAZOLIDIN-3-YL)-2-OXOETHYL)-6-MORPHOLINOQUINOLINE-4-CARBOXAMIDE ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: ARDANÉ, Anna;KARLSSON, Staffan;SAWYER, Yvonne~ 33:US ~31:63/366,696 ~32:21/06/2022

2025/00606 ~ Complete ~54:ORTHOPEDIC IMPLANTS AND INSTRUMENTS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: DALTON, Mark Ray;DOGUÉ, Joseph;LEE, Daniel J.;MACLEISH, Darby~ 33:US ~31:63/366,817 ~32:22/06/2022

2025/00574 ~ Provisional ~54:PRESSURE REGULATOR FOR A PRE-CHARGED PNEUMATIC AIRGUN ~71:HENDRIK FREDERIK DU PLESSIS, El Claro de Maitencillo, Lote 29, Puchuncavi, Chile ~72: HENDRIK FREDERIK DU PLESSIS~

2025/00578 ~ Complete ~54:METHOD FOR INDUCING MULTIPLE TYPES OF SOMATIC CELLS TO UNDERGO FATE TRANSITION AND DIRECTLY DEVELOP INTO SOMATIC EMBRYOS AND APPLICATION ~71:Shandong Agricultural University, No. 61, Daizong Street, Taishan District, Tai'an City, Shandong Province, 271018, People's Republic of China ~72: GAO, Yue;LI, Xinyu;MENG, Shuran;SU, Yinghua;TANG, Liping;ZHAI, Liming;ZHANG, Xiansheng~ 33:CN ~31:202411806163.9 ~32:10/12/2024

2025/00580 ~ Complete ~54:METHOD FOR INSTALLING A PREFABRICATED SUBWAY STATION ~71:China Construction Fifth Engineering Bureau (Qingdao) Construction Engineering Co., Ltd., Room 2208-66, Building 2, Minghui International, No. 39, Shiling Road, Laoshan District, Qingdao City, Shandong Province, People's Republic of China;China Construction Fifth Engineering Division Corp., Ltd, No. 158, Zhongyi Road, Changsha City, Hunan Province, People's Republic of China;China Construction Infrastructure Co., Ltd., No. 9 Sanlihe Road, Haidian District, Beijing, People's Republic of China ~72: CHEN, Youtong;GAO, Tianxiang;GONG, Zhengjun;HE, Laisheng;HUANG, Zuowan;LIU, Xiaoliang;LV, Yifei;WANG, Guangqun;WANG, Minggang;WANG, Xirui;YIN, Hengqi;YU, Longtao;ZHU, Baohe~

2025/00591 ~ Complete ~54:ROR-1 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: AMY WESA;CHANGHUNG CHEN;CHERYL G BOLINGER;RUTUL R SHAH;VINODHBABU KURELLA~ 33:US ~31:62/696,075 ~32:10/07/2018

2025/00593 ~ Complete ~54:IMAGE ENCODING/DECODING METHOD AND APPARATUS, AND METHOD OF TRANSMITTING BITSTREAM USING SEQUENCE PARAMETER SET INCLUDING INFORMATION ON MAXIMUM NUMBER OF MERGE CANDIDATES ~71:LG ELECTRONICS INC., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: HYEONG MOON JANG;JUNG HAK NAM;NAE RI PARK~ 33:US ~31:62/960,123 ~32:12/01/2020

2025/00597 ~ Complete ~54:MEASUREMENT METHOD, TERMINAL, NETWORK DEVICE, AND STORAGE MEDIUM ~71:SHENZHEN TRANSSION HOLDINGS CO., LTD., Room 1702-1703, Desay Building, No.9789 Shennan Road, Hi-tech Park, People's Republic of China ~72: HUANG, Junwei~

2025/00605 ~ Complete ~54:*N*-(2-(3-CYANO-2-AZABICYCLO[3.1.0]HEXAN-2-YL)-2-OXOETHYL)- QUINOLINE-4-CARBOXAMIDES ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: BRÅNALT, Jonas;JOHANSSON, Maria;NORDQVIST, Anneli;O'MAHONY, Gavin;SWANSON, Marianne~ 33:US ~31:63/366,700 ~32:21/06/2022

2025/00607 ~ Complete ~54:METHOD AND SYSTEM FOR ANALYSING ORE ~71:ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom;ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, 144 Oxford Road, Rosebank, 2196, South Africa ~72: COLIN MURRAY ANDREW;DANIEL CLARK FINFER~ 33:GB ~31:2209023.7 ~32:20/06/2022

2025/00572 ~ Provisional ~54:CASHING LOTTERY TICKETS ON THE MOBILE LOTTERY APP ~71:Geraldo Tiego Morodi, 12 Coleus Avenue Karen Park, South Africa ~72: Geraldo Tiego Morodi~ 33:ZA ~31:1 ~32:07/01/2025

2025/00582 ~ Complete ~54:SELF-POWERED MULTIFUNCTIONAL PIEZOELECTRIC INTELLIGENT AGGREGATE,AND MANUFACTURING METHOD AND APPLICATION THEREOF ~71:Yangtze Normal University, No. 16 Juxian Avenue, Fuling District, Chongqing, 408100, People's Republic of China ~72: CHEN, Yun;HUANG, Qian;YI, Yong~

2025/00585 ~ Complete ~54:GATE CUTTING DEVICE FOR PLASTIC PRODUCTS ~71:Zhongshan Jiancheng Plastic Technology Co., Ltd., No. 8-2, Jianquan Road, Huangpu Town, Zhongshan, Guangdong, People's Republic of China ~72: Ping Jiang~

2025/00587 ~ Complete ~54:MINE WATER STORAGE SPRAYING DEVICE FOR ECOLOGICAL RESTORATION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CHEN Guofeng;DONG Wenchao;JIANG Zhongfeng;LI Shuaiqi;LI Songfeng;LIANG Feng;TIAN Junfeng;WANG Yong;WU Li;ZHANG Peixin~

2025/00608 ~ Complete ~54:METHOD AND SYSTEM FOR ANALYSING ORE ~71:ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom;ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, 144 Oxford Road, Rosebank, 2196, South Africa ~72: COLIN MURRAY ANDREW;DANIEL CLARK FINFER~ 33:GB ~31:2209021.1 ~32:20/06/2022

2025/00583 ~ Complete ~54:PEDESTRIAN RECOGNITION METHOD FOR ROAD SCENES BASED ON ATTENTION MECHANISM ~71:LIAONING TECHNICAL UNIVERSITY, No. 47 Zhonghua Road, Fuxin City, Liaoning Province, 123000, People's Republic of China ~72: GAO Xingqi;LI Jiandong;LI Jiaqi;PAN Yuanyang~

2025/00581 ~ Complete ~54:DEEP FOUNDATION PIT SUPPORT STRUCTURE ~71:China Construction Fifth Engineering Bureau (Qingdao) Construction Engineering Co., Ltd., Room 2208-66, Building 2, Minghui International, No. 39, Shiling Road, Laoshan District, Qingdao City, Shandong Province, People's Republic of China;China Construction Fifth Engineering Division Corp., Ltd, No. 158, Zhongyi Road, Changsha City, Hunan Province, People's Republic of China;China Construction Infrastructure Co., Ltd., No. 9 Sanlihe Road, Haidian District, Beijing, People's Republic of China ~72: CHEN, Youtong;GAO, Tianxiang;GONG, Zhengjun;HE, Laisheng;HUANG, Zuowan;JI, Hongkui;LIU, Xiaoliang;SUN, Pengfei;WANG, Guangqun;WANG, Minggang;WANG, Xirui;YU, Longtao;ZHU, Baohe~

2025/00589 ~ Complete ~54:A TITANIUM ALLOY STEEL PROCESSING TECHNOLOGY ~71:Sichuan Pangang Jade Precision Technology Co., Ltd., No. 269, West 4th Section of Qitong Road, Dongpo District, Meishan City, Sichuan Province, 620000, People's Republic of China ~72: Jia Ma;Jie Yang;Jun Liu;Yong Xiao;Yong Yang~

2025/00598 ~ Complete ~54:A PAIR OF EXTENDED ARMS COUPLED TO A VESSEL ~71:MORIMOTO, Nobuyoshi, 12-2, Hachiyama-cho, Shibuya-Ku, Japan ~72: MORIMOTO, Nobuyoshi~ 33:IN ~31:202311012491 ~32:23/02/2023

2025/00603 ~ Complete ~54:SYSTEMS AND METHODS FOR IMPROVED SAMPLE IMAGING ~71:VERACIO LTD., 2455 South 3600 West, United States of America ~72: GEORGE, Luke;KRNETA, Sasa~ 33:US ~31:63/354,966 ~32:23/06/2022

- APPLIED ON 2025/01/20 -

2025/00642 ~ Complete ~54:SYSTEM AND METHOD FOR METEOROLOGICAL MODELLING ~71:Skyfora Oy, Itälähdenkatu 22 A, HELSINKI 00210 , FINLAND, Finland ~72: BORGSTRÖM, Fredrik;HENRIKSSON, Svante;KAISTI, Kim~ 33:FI ~31:20225616 ~32:01/07/2022

2025/00645 ~ Complete ~54:FOLDABLE ELECTRONIC DEVICE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DAEHYEONG PARK;HYUNSUK JUNG;JUNGCHUL AN;SUNGYUN CHOI~ 33:KR ~31:10-2022-0089333 ~32:20/07/2022;33:KR ~31:10-2022-0114528 ~32:08/09/2022

2025/00619 ~ Provisional ~54:UNIFIED DIGITAL PROFILE SYSTEM AND APPLICATION FOR REPRESENTING AND MANAGING DIGITAL IDENTITIES ~71:Judah Ben-Hur Joyce, 4 Cilliers street, La Hoff, Klerksdorp, North West, 2175, South Africa ~72: Judah Ben-Hur Joyce~

2025/00622 ~ Provisional ~54:FLYTIP ~71:Lambert Jan van den Berg, 16 Lusitania, Edwin road, South Africa ~72: Lambert Jan van den Berg~

2025/00623 ~ Complete ~54:METHOD FOR REMEDIATING SOIL CONTAMINATED WITH POLYCHLORINATED BIPHENYLS ~71:Anhui Water Conservancy Technical College, No. 18, Hema Road, Hefei, Anhui, People's Republic of China ~72: Cheng Yin;Dandan Liu;Jingmeng Sheng;Shenglong Kuai;Xianglin Zhang;Yuan Gao~

2025/00624 ~ Complete ~54:BREWING PROCESS FOR GAMMA-AMINOBUTYRIC ACID-RICH BEER ~71:Jilin Agricultural University, No. 2888 Xincheng Street, Changchun City, Jilin Province, 130118, People's Republic of China ~72: GAO, Yawen;LIU, Chunlei;SHI, Junhua;ZHENG, Hongyan~

2025/00628 ~ Complete ~54:MED17 GENE RELATED TO INTRAMUSCULAR FAT CONTENT IN PIGS AND ITS APPLICATIONS ~71:Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, No.23788 Gongye North Road, Licheng District, Jinan, Shandong Province, 250100, People's Republic of China ~72: GUO Jianfeng;LI Jingxuan;WANG Jiyong;WANG Yanping;ZHAO Xueyan~

2025/00632 ~ Complete ~54:A DYNAMIC VIDEO GENERATION METHOD AND SYSTEM BASED ON DIFFUSION MODEL ~71:ZHEJIANG NORMAL UNIVERSITY, No. 688 Yingbin Avenue, Jinhua City, People's Republic of China ~72: Anxin YAO;Congwen CHEN;He ZHU;He ZHU;Huiying XU;Jiqing CHEN;Qili REN;Rui ZHAO;Shengkang SU;Shiheng MA;Suqin SU;Weijian JIANG;Xinzhong ZHU;Yue HU;Zhendong CHEN~ 33:CN ~31:2024109677675 ~32:18/07/2024

2025/00635 ~ Complete ~54:PIPERAZINE BRIDGE-SUBSTITUTED HETEROCYCLIC PYRIMIDINE COMPOUND ~71:MEDSHINE DISCOVERY INC., Room 218, No.9 Gaoxin Road, People's Republic of China ~72: CHEN, Jian;CHEN, Shuhui;FU, Zhifei;GAO, Na;HU, Boyu;LI, Jian;LUO, Miaorong;SUN, Jikui;YU, Chenxi;ZHANG, Yang~ 33:CN ~31:202210822828.X ~32:12/07/2022;33:CN ~31:202211262711.7 ~32:14/10/2022;33:CN ~31:202211407253.1 ~32:10/11/2022;33:CN ~31:202310041534.8 ~32:11/01/2023;33:CN ~31:202310041762.5 ~32:12/01/2023;33:CN ~31:202310066868.0 ~32:19/01/2023;33:CN ~31:202310800516.3 ~32:30/06/2023

2025/00636 ~ Complete ~54:ENSIFENTRINE (RPL-554) FOR DECREASING THE FREQUENCY AND/OR SEVERITY OF COPD EXACERBATIONS ~71:VERONA PHARMA PLC, One Central Square, United Kingdom ~72: BENGTSOON, Thomas;RHEAULT, Tara Renae;RICKARD, Kathleen~ 33:US ~31:63/370,694 ~32:08/08/2022;33:US ~31:63/370,696 ~32:08/08/2022;33:US ~31:63/370,699 ~32:08/08/2022;33:US ~31:63/502,977 ~32:18/05/2023

2025/00638 ~ Complete ~54:CIRCUIT FOR CONTROLLING X-RAY EXPOSURE WITH MONOPOLAR OR BIPOLAR POWER SUPPLY BY MEANS OF A GRID CURRENT ~71:SOCIEDAD ESPAÑOLA DE ELECTROMEDICINA Y CALIDAD, S.A., C/ Pelaya 9-13 Pol. Ind., Spain ~72: DÍAZ CARMENA, Ángel;MIRÓN QUIRÓS, Agustín;MOLINA CASLA, José Luis~ 33:ES ~31:PCT/ES2022/070577 ~32:12/09/2022

2025/00647 ~ Complete ~54:TOWER SHEET ASSEMBLY, TOWER SECTION, AND TOWER TRANSPORTATION AND ASSEMBLY METHOD ~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: GELA JI;KE ZHANG;XUEMIN CAO~ 33:CN ~31:202210767352.4 ~32:30/06/2022

2025/00659 ~ Complete ~54:METHODS FOR PREPARING C2 TO C4 HYDROCARBONS AND FORMULATED HYBRID CATALYSTS ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way Midland, United States of America;DOW SILICONES CORPORATION, 2200 West Salzburg Road Midland, United States of America ~72: GEYER, Florian;LEADLEY, Stuart;MALEK, Andrzej;POLLEFEY, Glenn;ROZEVELD, Steven J.;SANTOS, Vera;TOCHA-BIELAK, Ewa A.;YANCEY, David F.~ 33:US ~31:63/391,481 ~32:22/07/2022

2025/00641 ~ Complete ~54:ANTI-DRUG ANTIBODY ASSAYS ~71:Amgen Inc., c/o Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: KING, Chadwick T.;KROENKE, Mark Andrew;MILLER, Mieke Jill;STARCEVIC MANNING, Marta~ 33:US ~31:63/373,426 ~32:24/08/2022

2025/00654 ~ Complete ~54:PROCESS FOR THE PURIFICATION OF MANGANESE SULFATE SOLUTIONS AND SUBSEQUENT CRYSTALLIZATION OF HIGH PURITY MANGANESE SULFATE MONOHYDRATE ~71:MANGANESE X ENERGY CORP., 145 Rue Graveline, Saint-Laurent, Canada ~72: NACU, Anca M.;WARKENTIN, Douglas D.~ 33:US ~31:63/407,251 ~32:16/09/2022

2025/00657 ~ Complete ~54:SYNTHESIS OF TETRAHYDRONAPHTHALENOLS AND USES THEREOF ~71:IO THERAPEUTICS, INC., 9450 Pinecroft Dr., Unit 9497, Spring, Texas, 77387, United States of America ~72: VULIGONDA, Vidyasagar~ 33:US ~31:63/355,880 ~32:27/06/2022

2025/00662 ~ Complete ~54:A TWO-STAGE SEMI CONTINUOUS SYNTHESIS METHOD FOR N, N-DIMETHYLBENZYLAMINE ~71:ANHUI HENGGUANG POLYURETHANE MATERIALS CO., LTD., EAST TO THE ECONOMIC DEVELOPMENT ZONE CHIZHOU,, People's Republic of China ~72: CHEN, Liangyong;LI, Liangkui;LI, Zhongjun;WANG, Bin~ 33:CN ~31:2024104792198 ~32:22/04/2024;33:WO ~31:PCT/CN2024/140545 ~32:19/12/2024

2025/00620 ~ Provisional ~54:DISPOSABLE ABLATIVE HEAT SHIELD (DAHS) ~71:Yves Isidore Roland Jollivet, 3 Controversy Drive, South Africa ~72: Yves Isidore Roland Jollivet~

2025/00621 ~ Provisional ~54:COMPREHENSIVE MULTI-PLATFORM DIGITAL LANDSCAPE ~71:Timothy Colin Fearn, 19 Seaview Road, South Africa ~72: Timothy Colin Fearn~ 33:ZA ~31:N/A ~32:19/01/2025

2025/00637 ~ Complete ~54:X-RAY SCANNING CONTROL SYSTEM ~71:SOCIEDAD ESPAÑOLA DE ELECTROMEDICINA Y CALIDAD, S.A., C/ Pelaya 9-13 Pol. Ind., Spain ~72: DÍAZ CARMENA, Ángel;MIRÓN QUIRÓS, Agustín;MOLINA CASLA, José Luis~

2025/00644 ~ Complete ~54:1,300-MPA-GRADE OR MORE COLD-ROLLED STEEL PLATE HAVING HIGH EXTENSION AND HIGH HOLE-EXPANSION PERFORMANCE AND MANUFACTURING METHOD THEREFOR ~71:Baoshan Iron & Steel Co., Ltd., No. 885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: LI, Wei;XUE, Peng;ZHU, Xiaodong~ 33:CN ~31:202210711333.X ~32:22/06/2022

2025/00655 ~ Complete ~54:ENERGY STORAGE BATTERY CABINET AND ENERGY STORAGE SYSTEM HAVING SAME ~71:BYD COMPANY LIMITED, No. 3009, BYD Road, Pingshan, People's Republic of China ~72: CAO, Hu;LIU, Weijie;SUI, Jiahai;YIN, Xiaoqiang;YIN, Xueqin~ 33:CN ~31:202210833929.7 ~32:15/07/2022;33:CN ~31:202221841014.2 ~32:15/07/2022

2025/00658 ~ Complete ~54:PROCESSES FOR PREPARING C2 TO C4 HYDROCARBONS USING HYBRID CATALYSTS ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way Midland, United States of America;DOW SILICONES CORPORATION, 2200 West Salzburg Road Midland, United States of America ~72:

CHOJECKI, Adam;KIRILIN, Alexey;LEADLEY, Stuart;MALEK, Andrzej;POLLEFEYT, Glenn;ROZEVELD, Steven J.;SANTOS, Vera;TOCHA-BIELAK, Ewa A.;YANCEY, David F.~ 33:US ~31:63/391,477 ~32:22/07/2022

2025/00663 ~ Complete ~54:MEDICAL ICE MANUFACTURING APPARATUS ~71:NINGBO HUIKANG INDUSTRIAL TECHNOLOGY CO.,LTD, NO. 55 BINHAI FOURTH ROAD, QIANWAN NEW AREA, NINGBO, People's Republic of China ~72: CHEN, Yuepeng;KUANG, Haitao;MAO, Binjun;XIA, Xing~ 33:CN ~31:2024108465759 ~32:27/06/2024

2025/00626 ~ Complete ~54:A SCARECROW ~71:BAD BIRDY (PTY) LTD, 11 Simba Street, South Africa ~72: VAN BILJOEN, Jeffrey;VAN BILJOEN, Kyle Liam~ 33:ZA ~31:2023/09786 ~32:20/10/2023

2025/00629 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION AND PREPARATION METHOD THEREOF ~71:Shuiquan Cheng, No.20 Xiyu Village, Jiuhua Township, Kecheng District, Quzhou, Zhejiang, People's Republic of China ~72: Shuiquan Cheng~

2025/00640 ~ Complete ~54:CANNABINOID TYPE 1 RECEPTOR BINDING PROTEINS AND USES THEREOF ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BERGEN, John;CHEN, Irwin;CHEN, Weihsu Claire;CHONG, Su;HAN, Seog Joon;KILLION, Elizabeth Ann;LI, Serina;LU, Shu-Chen;MATOCHKO, Wadim L.;OXENOID, Kirill;PASUMARTHI, Venkata Nihal;VENIANT-ELLISON, Murielle Marie;WEISHUHN, Dawn~ 33:US ~31:63/392,891 ~32:28/07/2022

2025/00643 ~ Complete ~54:IMPLANT IDENTIFICATION ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BERTOLOTTI, Luciano Bernardino~

2025/00646 ~ Complete ~54:COMPOSITIONS AND USES OF PSILOCYBIN AND PSILOCIN ~71:ZYLORION HEALTH INC., 202-6th Avenue, Suite 660, Calgary, Alberta, T2P 2R9, Canada ~72: DEBORAH KURRASCH;PETER SILVERSTONE;ROBERT LAPRAIRIE~ 33:US ~31:63/357,450 ~32:30/06/2022;33:US ~31:17/942,706 ~32:12/09/2022;33:US ~31:18/204,870 ~32:01/06/2023

2025/00664 ~ Provisional ~54:CAR WATER RECYCLER ~71:Katlego Kwatala, 3 Newton Bend, South Africa ~72: Katlego Kwatala~

2025/00634 ~ Complete ~54:A DISPLACEMENT MONITORING SYSTEM FOR GOLF SWING TRAINING ~71:OPPERMAN, Johannes, Dawid, 642 KAMEELDRIFT PLOTS, KAMEELDRIFT ROAD, KAMEELDRIFT, SOUTH AFRICA, South Africa ~72: OPPERMAN, Johannes, Dawid~ 33:ZA ~31:2022/08117 ~32:21/07/2022

2025/00652 ~ Complete ~54:A SKIN CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CONNOR PATRICK WALSH;JOSEPH MARTIN JANKOLOVITS;MAYA TREESA SAJI;RAJKUMAR PERUMAL;SIVA RAMA KRISHNA PERALA;VIDULA IYER~ 33:EP ~31:22191591.1 ~32:23/08/2022

2025/00656 ~ Complete ~54:ELECTRONIC APPARATUS INCLUDING STRUCTURE FOR PROTECTING DISPLAY ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: JEONG WOO;JUNGCHUL AN;KIYOUNG JUNG;SANGKYU KIM~ 33:KR ~31:10-2022-0089753 ~32:20/07/2022;33:KR ~31:10-2022-0099551 ~32:09/08/2022

2025/00660 ~ Complete ~54:METHODS FOR PREPARING C2 TO C4 HYDROCARBONS AND SELF-BOUND HYBRID CATALYSTS ~71:DOW GLOBAL TECHNOLOGIES LLC, 2211 H.H. Dow Way Midland, United States of America;DOW SILICONES CORPORATION, 2200 West Salzburg Road Midland, United States of America ~72: GEYER, Florian;LEADLEY, Stuart;MALEK, Andrzej;POLLEFEYT, Glenn;ROZEVELD, Steven J.;SANTOS, Vera;TOCHA-BIELAK, Ewa A.;YANCEY, David F.~ 33:US ~31:63/391,487 ~32:22/07/2022

2025/00661 ~ Complete ~54:PREPARATION METHOD FOR BIS(NEODECANOATE)TIN AND REACTOR ~71:ANHUI HENGGUANG POLYURETHANE MATERIAL CO., LTD, EAST TO THE ECONOMIC DEVELOPMENT ZONE CHIZHOU, People's Republic of China ~72: CHEN, Liangyong;LI, Kui;LI, Zhen;LI, Zhongjun;REN, Haojun;TAO, Bo;WANG, Bin~ 33:CN ~31:2023111262327 ~32:01/09/2023;33:WO ~31:PCT/CN2023/118016 ~32:11/09/2023

2025/00625 ~ Complete ~54:MULTIFUNCTIONAL COMBINED PIPELINE CLEANING TOOL ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GU Deming;KANG Haiyan;LIU Wen;MAO Yanli;PAN Hongwei;SU Zhe;WANG Quanjun;YIN Shiqiang~

2025/00631 ~ Complete ~54:A NANOBODY SPECIFICALLY BINDING TO THE PROPROTEIN CONVERTASE SUBTILISIN KEXIN TYPE 9 AND ITS APPLICATIONS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: Hong, Jun;Li, Xinyang;Wang, Jiaqian;Wang, Qingqing;Zhang, Shuaiguo;Zhao, Shaoyue;Zhu, Mingxia~

2025/00650 ~ Complete ~54:USE OF FATTY ACIDS FOR MICROBIOME BENEFIT AND COMPOSITIONS COMPRISING THE SAME ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDYA DASGUPTA;SRIKALA KUMARAN~ 33:EP ~31:22189333.2 ~32:08/08/2022

2025/00630 ~ Complete ~54:A CROSS-GRADIENT JOINT INVERSION METHOD FOR GRAVITY AND MAGNETISM AND THEIR GRADIENT TENSOR DATA IN FREQUENCY DOMAIN ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Fangchao Lu;Haomin Tian;Lulu Zhang;Quan Lou;Sheng Liu;Yanhui Yang;Yiju Tang~

2025/00648 ~ Complete ~54:A BANKNOTE STACK TRANSPORT ARRANGEMENT AND A CASH HANDLING MACHINE ~71:SCAN COIN AB, Nordenskiöldsgatan 24, 211 19, Malmö, Sweden ~72: JOEL HANSSON;KRISTIAN BENGTSSON;VICTOR WALLMAN-CARLSSON~ 33:SE ~31:2250872-5 ~32:08/07/2022

2025/00651 ~ Complete ~54:CELL THERAPIES FOR MULTIPLE SCLEROSIS ~71:ABATA THERAPEUTICS, INC., 100 Forge Road, Suite 200 Watertown, Massachusetts 02472, United States of America ~72: ANDREA VAN ELSAS;CHRISTINA STRANGE;DEVAPREGASAN MOODLEY;ENOCH KISUBIKA;EUGENE ANTIPOV;FANG XIA;HARISH ADONI;JEFTE DRIJVERS;LAWRENCE SCHWEITZER;MICHAEL BIRNBAUM;RICHARD RANSOHOFF;STEPHEN SOFEN;YANBO ZHANG~ 33:US ~31:63/397,715 ~32:12/08/2022;33:US ~31:63/412,142 ~32:30/09/2022;33:US ~31:63/415,362 ~32:12/10/2022;33:US ~31:63/417,465 ~32:19/10/2022;33:US ~31:63/432,304 ~32:13/12/2022

2025/00627 ~ Complete ~54:A RICE BLAST-RESISTANT RELATED GENE OSHLH46 AND APPLICATION THEREOF ~71:Fujian Agriculture and Forestry University, No. 15 Shangxiadian Road, Cangshan District, Fuzhou City, Fujian Province, People's Republic of China ~72: Diao Zhijuan;Li Shengping;Tang Dingzhong;Wang Xun~ 33:CN ~31:2024111747712 ~32:26/08/2024

2025/00633 ~ Complete ~54:HYDROGEN-PRODUCING FUEL CELL SYSTEMS AND METHODS OF OPERATING THE SAME ~71:H2 POWERTECH, LLC, 746 Se Glenwood Drive, Bend, OR, United States of America ~72: HICKS, Michael, Tyler~ 33:US ~31:17/889,295 ~32:16/08/2022

2025/00639 ~ Complete ~54:INSTRUMENT SET AND TULIP OF THE SAME ~71:TAURUS GmbH & Co. KG, Industriestraße 2, ALZENAU 63755, GERMANY, Germany ~72: HEUER, Frank;SIEDLER, Uwe~ 33:DE ~31:10 2022 002 763.1 ~32:29/07/2022

2025/00649 ~ Complete ~54:INACTIVATION OR KILL OF VIRUS AND COMPOSITIONS THEREOF
~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72:
AMITABHA MAJUMDAR;COLIN CHRISTOPHER JAMORA;JANHAVI SANJAY RAUT;MORRIS
WASKAR;NARESH DHIRAJLAL GHATLIA;TANAY NITINKUMAR BHATT;VIBHAV RAMRAO SANZGIRI~ 33:IN
~31:202221048413 ~32:25/08/2022;33:EP ~31:22203330.0 ~32:24/10/2022

2025/00653 ~ Complete ~54:TIP AND ADAPTER LOCK ASSEMBLY ~71:CATERPILLAR INC., 100 NE Adams
Street, Peoria, United States of America ~72: MCCAFFREY, Brandon H.;SERRURIER, Douglas C.;SINN, Eric
T.;ULRICH, IV, William J.;WELLS, Corey M.~ 33:US ~31:63/359,285 ~32:08/07/2022;33:US ~31:18/338,212
~32:20/06/2023

- APPLIED ON 2025/01/21 -

2025/00674 ~ Complete ~54:DEVICE AND METHOD FOR SCREENING MICROORGANISMS CAPABLE OF
SYNERGISTICALLY FIXING CARBON AND REDUCING POLLUTION ~71:BGRIMM TECHNOLOGY GROUP,
NO. 1 WENXING STREET, People's Republic of China;YUNNAN COPPER CHIFENG NON-FERROUS METALS
CO., LTD., DONGSHAN INDUSTRIAL PARK, People's Republic of China ~72: LI, Fangze;LI, Rui;LIN,
Xingjie;MA, Haitao;MIAO, Yu;PANG, Zhikun;SUN, Qiwei;XIN, Xin;ZHANG, Chi;ZHANG, Ge;ZHANG, Zhen~

2025/00690 ~ Complete ~54:ORALLY DISINTEGRATING PALATABLE FORMULATIONS OF DROTAVERINE
AND METHOD OF PREPARATION THEREOF ~71:DROTASTAR LLC, 16192 Coastal Highway, Lewes, United
States of America ~72: BERLIA, Aditya;BERLIA, Nishant;BERLIA, Sushma Paul;SINGH, Gurvinder~ 33:IN
~31:202211043456 ~32:29/07/2022

2025/00693 ~ Complete ~54:1300-MPA-GRADE-OR-HIGHER COLD-ROLLED STEEL SHEET AND
MANUFACTURING METHOD THEREFOR ~71:Baoshan Iron & Steel Co., Ltd., No. 885, Fujin Road, Baoshan
District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: LI , Wei;XUE, Peng;ZHU,
Xiaodong~ 33:CN ~31:202210711325.5 ~32:22/06/2022

2025/00682 ~ Complete ~54:A DRIVER FATIGUE MONITORING DEVICE FOR VEHICLES ~71:Henan
University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province,
467000, People's Republic of China ~72: Bing Jia;Fangchao Lu;Haomin Tian;Luohua Zhang;Quan Lou;Sheng
Liu;Yiju Tang;Zhanfeng Huang~

2025/00685 ~ Complete ~54:A METHOD FOR MODULATING THE LINEARITY OF A TIN DIOXIDE GAS
SENSOR BASED ON DYNAMIC TEMPERATURE ~71:Henan University of Urban Construction, Longxiang
Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72:
Guofeng He;Wei He;Yanfei Dong;Zhenzhen Cheng~

2025/00689 ~ Complete ~54:METHODS OF TREATING METASTATIC CASTRATION-RESISTANT PROSTATE
CANCER WITH BISPECIFIC ANTI-PSMA X ANTI-CD28 ANTIBODIES IN COMBINATION WITH ANTI-PD-1
ANTIBODIES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United
States of America ~72: LOWY, Israel;MILLER, Elizabeth;SANDIGURSKY, Sabina;SEEBACH, Frank~ 33:US
~31:63/394,492 ~32:02/08/2022;33:US ~31:63/420,186 ~32:28/10/2022;33:US ~31:63/463,655
~32:03/05/2023

2025/00698 ~ Complete ~54:INFRASTRUCTURE MANAGEMENT SYSTEM ~71:ISMA CONTROLLI POLAND
S.A., 1 Sierpnia Street 6, Warsaw, 02-134, Poland ~72: ANDRZEJ OZADOWICZ;MARCIN PLOSKI;MARIUSZ
JASTRZEBSKI;MATEUSZ KLATECKI;MILOSLAW WRÓBLEWSKI;PAWEL KAKOL;TOMASZ BAL~ 33:US
~31:17/808,198 ~32:22/06/2022

2025/00703 ~ Complete ~54:SYSTEM AND METHOD FOR PRODUCING A VIDEO STREAM ~71:LIVEARENA TECHNOLOGIES AB, Box 2901, Sweden ~72: BJÖRKMAN, Andreas;ERLMAN, Lars;NILSSON, Anders;SÖRQVIST, Maxx~ 33:SE ~31:2250945-9 ~32:02/08/2022

2025/00672 ~ Complete ~54:METHOD FOR OBTAINING STERILE EXPLANTS FROM STEM TIP FOR TISSUE CULTURE OF EELGRASS ~71:Shandong University, No. 180, Wenhua West Road, Weihai City, Shandong Province, 264209, People's Republic of China ~72: QU, Chunfeng;ZHENG, Fengying~

2025/00677 ~ Complete ~54:METHOD FOR DETECTING MEALYBUG INSECTS ~71:Technical Center of Dalian Customs, No.60, Changjiang East Road, Zhongshan District, Dalian City, Liaoning Province, People's Republic of China ~72: CHU, Dong;FU, Haibin;LI, Hui;LI, Xin;YANG, Lifeng~ 33:CN ~31:2024119318880 ~32:26/12/2024

2025/00679 ~ Complete ~54:PALLET ARRANGEMENT ~71:ENVIROPAK (PTY) LTD, Sataar Business Park, 14 Sacks Circle, South Africa ~72: Majid AZIZ;Muazzam AZIZ~ 33:ZA ~31:2023/09939 ~32:25/10/2023

2025/00684 ~ Complete ~54:A FORAGE AND FEEDING METHOD FOR IMPROVING SEMEN QUALITY OF YAK ~71:Guangming Sun, No.56, Duodi Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850009, People's Republic of China ~72: Dunzhu Luosang;Guangming Sun;Hui Jiang;Yangji Cidan~

2025/00686 ~ Complete ~54:ANNULAR CATALYST CARRIER CONTAINER FOR USE IN A TUBULAR REACTOR ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom ~72: JULIAN GRAY~ 33:GB ~31:1417462.7 ~32:02/10/2014

2025/00692 ~ Complete ~54:ANTI-REFLUX OSTOMY DEVICE ~71:Fundación Instituto de Investigación Sanitaria Fundación Jiménez Díaz (FIIS-FJD), Avenida de los Reyes Católicos, 2, MADRID 28040, SPAIN, Spain;Fundación para la Investigación Biomédica del Hospital Gregorio Marañón (FIBHGM), Calle Doctor Esquerdo, 46, MADRID 28007, SPAIN, Spain;Ownmed Innovations S.L., C/ Ibiza 62, 1D, MADRID 28009, SPAIN, Spain;Universidad Carlos III de Madrid (UC3M), Av. Gregorio Peces Barba, 1, LEGANÉS (MADRID) 28919, SPAIN, Spain ~72: DESCO MENÉNDEZ, Manuel;GARCÍA-FONCILLAS LÓPEZ, Jesús;YE ZHANG, Ana~ 33:EP ~31:22382591.0 ~32:22/06/2022

2025/00700 ~ Complete ~54:COMPOSITIONS AND METHODS FOR EPIGENETIC REGULATION OF B2M EXPRESSION ~71:CHROMA MEDICINE, INC., 201 Brookline Avenue, Suite 1101, Boston, Massachusetts, 02215, United States of America ~72: ARI FRIEDLAND;JAMIE LYNN SCHAFFER;MORGAN MAEDER;NOORUSSAHAR ABUBUCKER;RICARDO NOEL RAMIREZ;VIC MYER~ 33:US ~31:63/355,061 ~32:23/06/2022

2025/00667 ~ Complete ~54:CLOUD PLATFORM-BASED CROSS-BORDER E-COMMERCE ORDER MANAGEMENT SYSTEM ~71:Zhejiang Industry and Trade Vocational College, No. 717 Fudong Road, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Cheng Rongfen;Wei Zhenfeng~

2025/00670 ~ Complete ~54:PROCESS FOR EXPLORING AND DISCHARGING GOB WATER BASED ON LONG-DISTANCE DIRECTIONAL ARC-SHAPED MULTI-ANGLE CROSSING DRILLING ~71:Gansu Lingtai Shaozhai Coal Industry Co., Ltd., Shaozhai Coal Industry Company, Shaozhai Town, Lingtai County, Pingliang City, Gansu Province, 744401, People's Republic of China ~72: CHEN, Fangming;CUI, Yunfeng;GUO, Zhenzhong;HAN, Qiang;HUANG, Bo;LI, Fucheng;LI, Jinyuan;LIU, Qingquan;SUN, Shaolei;WANG, Haidong;ZHAN, Xueliang;ZHU, Kai~ 33:CN ~31:202411280493.9 ~32:12/09/2024

2025/00694 ~ Complete ~54:ANTIBODIES BINDING TO HUMAN PAD4 AND USES THEREOF ~71:Bristol-Myers Squibb Company, Rt. 206 & Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: CHANDRAN, Ramakrishna;DEYANOVA, Ekaterina;DOYLE, Michael Louis;DUDHGAONKAR,

Shailesh;GILMAN, Michael;GURBUZBALABAN, Burce Ergel;HUANG, Richard;MENSAH, Kofi;NACHT, Mariana;NAYEEM, Akbar;PACE, Samantha Elaine;SHARMA, Alok;SU, Lin Hui;WANG, Yun;XIAO, Qing;ZHAO, Qihong~ 33:US ~31:63/369,184 ~32:22/07/2022;33:US ~31:63/397,698 ~32:12/08/2022

2025/00701 ~ Complete ~54:NITRIFICATION INHIBITING HETEROCYCLES ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: ADEL HAMZA;DAVID M JONES;DAVID MANN;GREG SCHULENBERG;JEFFREY PETKUS;JOHN C ROHANNA;MUHAMMAD M KHALIFA;PETER BAAS;STEVE BROWN~ 33:US ~31:63/369,015 ~32:21/07/2022

2025/00668 ~ Complete ~54:PREPARATION METHOD OF POLYPHENOL-ALUMINUM NANOPARTICLES ~71:Shanghai Jiao Tong University School of Medicine, No. 280, Chongqing South Road, Huangpu District, Shanghai, People's Republic of China;Shanghai Veterinary Research Institute, CAAS (Shanghai Branch of China Animal Health and Epidemiology Center), No. 518, Ziyue Road, Minhang District, Shanghai, People's Republic of China ~72: CHEN, Hongjun;GUAN, Yi;LI, Weixia;LI, Zhisheng;LIU, Yingnan;SUN, Yang;ZHI, Xiao~ 33:CN ~31:2024117689797 ~32:03/12/2024

2025/00671 ~ Complete ~54:A GEAR THREAD REWINDING DEVICE WITH THREAD DEPTH DETECTION FUNCTION ~71:JINHUA UNIVERSITY OF VOCATIONAL TECHNOLOGY, No. 888, West Haitang Road, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: ZHUANG XiaoLong~

2025/00675 ~ Complete ~54:COATING ROBOT FOR SURFACE TREATMENT OF WELDING PIECES ~71:Anhui Technical College of Mechanical and Electrical Engineering, No. 16, Wenjin West Road, Higher Education Park, Yijiang District, Wuhu City, Anhui Province, 241002, People's Republic of China ~72: HOU, Wenlong;LIN, Shunshun;LIU, Xiang;SHEN, Yechao;YUE, Xingchen;ZHANG, Yuheng~ 33:CN ~31:202410234202.6 ~32:01/03/2024

2025/00691 ~ Complete ~54:NON-THERMAL PLASMA CLEANING DEVICE AND CLEANING METHOD ~71:AURORA, 177 boulevard de l'Yser, France;UNIVERSITE DE REIMS CHAMPAGNE-ARDENNE, 2 Avenue Robert Schuman, France ~72: GELLÉ, Marie-Paule;LE BRAS, Florian;PARIAS, Thomas~ 33:EP ~31:22306097.1 ~32:22/07/2022;33:US ~31:17/871,122 ~32:22/07/2022

2025/00666 ~ Provisional ~54:MAGNET ~71:Marishke Van Der Merwe, Airport Road, South Africa ~72: Marishke Van Der Merwe~

2025/00673 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOUND PREPARATION FOR TREATING INTERSTITIAL LUNG DISEASES AND PREPARATION METHOD THEREOF ~71:Jilin University, No. 2699 Qianjin Street, Changchun City, Jilin Province, 130012, People's Republic of China;THE AFFILIATED HOSPITAL TO CHANGCHUN UNIVERSITY OF CHINESE MEDICINE, No. 1478 Gongnong Road, Chaoyang District, Changchun City, Jilin, 130021, People's Republic of China ~72: GAO, Haicheng;HU, Xiyue;LUAN, Hongyan;SHEN, Qiming;SUN, Yu;WU, Yuheng;YU, Zhe;ZHU, Tonggang~

2025/00681 ~ Complete ~54:A NETWORK-CONTROLLED REMOTE ALARM DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bingyan Guo;Changbing Zheng;Luohua Zhang;Mengdi Liu;Ning Hou;Xingang Wang;Yanfei Dong;Yi Wei;Yixuan Zhang;Zhanfeng Huang;Zhenzhen Cheng~

2025/00683 ~ Complete ~54:A YAK SPERM IN VITRO PRESERVATION DEVICE AND METHOD ~71:Guangming Sun, No.56, Duodi Road, Chengguan District, Lhasa City, Xizang Autonomous Region, 850009, People's Republic of China ~72: Dunzhu Luosang;Guangming Sun;Hui Jiang;Yangji Cidan~

2025/00687 ~ Complete ~54:GREEN FOOD CRUSHING DEVICE BASED ON FOOD SCIENCE AND ENGINEERING ~71:Hainan Tropical Ocean University, No. 1 Yucai Road, Jiyang District, Sanya City, Hainan Province, 572022, People's Republic of China ~72: Bai Yan;Zhu Mingjun~

2025/00695 ~ Complete ~54:ANTI- IL27R ANTIBODIES AND METHODS OF USE THEREOF ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: BLOOM, Laird;GAO, Yijie;MARZE, Nicholas Andrew~ 33:US ~31:63/370,306 ~32:03/08/2022;33:US ~31:63/511,276 ~32:30/06/2023

2025/00697 ~ Complete ~54:DETOX HAIR AND SCALP CLEANSER COMPOSITION, METHODS AND USES THEREOF ~71:K18, Inc., 621 Sansome Street, Suite 201, SAN FRANCISCO 94111, CA, USA, United States of America ~72: CAVACO PAULO, Artur Manuel;SCHLAPP, Meagan;STALEY, Karis~ 33:US ~31:63/354,516 ~32:22/06/2022

2025/00702 ~ Complete ~54:VELUSETRAG FOR USE IN THE TREATMENT OF CHRONIC INTESTINAL PSEUDO-OBSTRUCTION (CIPO) ~71:ALFASIGMA S.P.A., Via Ragazzi del '99, n.5, 40133, Bologna, Italy ~72: FABRIZIO GIORGI;LOREDANA VESCI;MARIA GRIMALDI;MICHELANGELO BARONE;ROBERTO GIOVANNINI~ 33:EP ~31:22196573.4 ~32:20/09/2022

2025/00665 ~ Provisional ~54:NAVIGATION SYSTEM AND METHOD ~71:JHETAM, Rafeek, 9 Methwold Road, South Africa ~72: JHETAM, Rafeek~

2025/00669 ~ Complete ~54:SELF-EMULSIFYING VACCINE ADJUVANT CONTAINING SUBMICRON OIL-IN-WATER TWO-PHASE EMULSION OIL PHASE AND PREPARATION METHOD THEREOF ~71:Shanghai Veterinary Research Institute, CAAS (Shanghai Branch of China Animal Health and Epidemiology Center), No. 518, Ziyue Road, Minhang District, Shanghai, People's Republic of China ~72: CHEN, Hongjun;CHEN, Shun;LI, Zhisheng;LIU, Yingnan;SHAWN SHAOYING ZHANG~ 33:CN ~31:2024118126421 ~32:10/12/2024

2025/00676 ~ Complete ~54:DEVICE FOR DETECTING PLANT DISEASES AND INSECT PESTS ~71:Integrated Technical Service Center of Donggang Customs, No. 22 Yinhe Road, Donggang City, Liaoning Province, People's Republic of China ~72: LI, Hui;LI, Xin;LI, Xuejun;LI, Xuemei;LIU, Kexin~ 33:CN ~31:202510026661X ~32:07/01/2025

2025/00678 ~ Complete ~54:A TUMOUR DETECTION APPARATUS ~71:LIFELINK INNOVATIONS LIMITED, 20 Wenlock Road, United Kingdom ~72: GUL, Zaheen;HAMID, Aaiza;KHAN, Saad Saleem;OMAR, Muhammad;RYAN, Caitriona;USMAN, Muhammad~

2025/00696 ~ Complete ~54:HAIR CLEANSER COMPOSITION, METHODS AND USES THEREOF ~71:K18, Inc., 621 Sansome Street, Suite 201, SAN FRANCISCO 94111, CA, USA, United States of America ~72: CAVACO PAULO, Artur Manuel;SCHLAPP, Meagan;STALEY, Karis~ 33:US ~31:63/354,514 ~32:22/06/2022

2025/00699 ~ Complete ~54:AN ANTIBACTERIAL PARENTERAL FORMULATION AND METHODS THEREOF ~71:BUGWORKS RESEARCH INDIA PVT. LTD, EVOMA, 88 Borewell Road, Whitefield Bengaluru 560066, India ~72: BALASUBRAMANIAN VENKATARAMAN;HARISH KAUSHIK KOTAKONDA;SHAHUL HAMEED PEER MOHAMED~ 33:IN ~31:202241041370 ~32:19/07/2022

2025/00680 ~ Complete ~54:APPARATUS AND METHOD DESIGNING CHARGING AND BLASTING FOR STOPE EXCAVATION ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HYVÖNEN, Petteri;KOKKONIEMI, Tuomas;MUONA, Jouko~ 33:EM ~31:24156592.8 ~32:08/02/2024

2025/00688 ~ Complete ~54:FLUORITE BENEFICIATION PROCESS FOR HIGH-CALCIUM SCHEELITE TAILING ~71:Xianyang Shuangbai Technology Co., Ltd, Yongchang Road, High tech Zone, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: Sun Chao;Sun Ming~ 33:CN ~31:2024118004621 ~32:09/12/2024

- APPLIED ON 2025/01/22 -

2025/00705 ~ Complete ~54:COMPUTER EQUIPMENT MAINTENANCE APPARATUS ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: FAN, Liping;LI, Yan;LUAN, Kun;MA, Dongxia;WANG, Huan;WANG, Rui;ZHANG, Hongli;ZHANG, Qianzhong~

2025/00707 ~ Complete ~54:INTEGRATED OPERATING SYSTEM FOR CIVIL ENGINEERING MANAGEMENT ~71:Jinggangshan University, Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343000, People's Republic of China ~72: LIU, Lijun;OUYANG, Luxia;YI, Yanjuan~

2025/00711 ~ Complete ~54:USE OF SRSF1 IN PREPARATION OF MEDICAMENT FOR PROPHYLAXIS AND/OR TREATMENT OF HEART FAILURE WITH PRESERVED EJECTION FRACTION ~71:Beijing Friendship Hospital, Capital Medical University, No. 95 Yong'an Road, Xicheng District, Beijing, 100050, People's Republic of China ~72: CAO, Chunmei;DAI, Rilei;GUO, Jing;LI, Jingchen;ZHU, Kun~ 33:CN ~31:202411859598.X ~32:17/12/2024

2025/00718 ~ Complete ~54:UNIVERSAL MOUNTING APPARATUS FOR SERVER ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: FAN, Liping;GAO, Tingting;LIU, Bin;MA, Dongxia;YAN, Jinying~

2025/00722 ~ Complete ~54:FEEDING SYSTEM FOR SEMI-AUTOGENOUS MILL ~71:YCC CHIFENG NON-FERROUS METALS CO., LTD., Jinshan Industrial Park, Kalaqin Banner, People's Republic of China ~72: FEI, Fan;JIA, Zhijie;LI, Jie;LV, Zhiwei;WU, Yukun;XU, Changkun~ 33:CN ~31:CN202411832859.9 ~32:13/12/2024

2025/00752 ~ Complete ~54:CYCLOPROPANECARBOXYLIC ACID ESTER COMPOUND AND USE THEREFOR ~71:SUMITOMO CHEMICAL COMPANY, LIMITED, 2-7-1 Nihonbashi Chuo-ku, Tokyo, 103-6020, Japan ~72: YASUSHI KATAGIRI~ 33:JP ~31:2022-152272 ~32:26/09/2022

2025/00751 ~ Complete ~54:DIFFERENTIAL TRANSMISSION OF QOE REPORTS AND RVQOE REPORTS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: BARAC, Filip;BERGSTRÖM, Mattias;CIUCIULKAITE, Agne;EKLÖF, Cecilia;LUNARDI, Luca;RUNE, Johan~ 33:US ~31:63/420,337 ~32:28/10/2022

2025/00736 ~ Complete ~54:WATER-AIR AMPHIBIOUS LIFESAVING STRETCHER AND CONTROL MODULE ~71:NANJING KAITIANYAN UAV TECHNOLOGY CO. LTD, 211-401, Floor 2, Building 1, No. 69 Aoti Street, Jianye District, Nanjing, Jiangsu, 210000, People's Republic of China ~72: CHEN, Chong;SHI, Xiaoyu~ 33:CN ~31:202221931519.8 ~32:26/07/2022

2025/00738 ~ Complete ~54:A STABLE PHARMACEUTICAL ORAL LIQUID FORMULATION OF AN ANTISPASMODIC AGENT ~71:DROTASTAR LLC, 16192 Coastal Highway, Lewes, United States of America ~72: BERLIA, Aditya;BERLIA, Nishant;BERLIA, Sushma Paul;SINGH, Gurvinder~ 33:IN ~31:202211043457 ~32:29/07/2022

2025/00714 ~ Complete ~54:ROAD PAVEMENT POTHOLE MAINTENANCE DEVICE AND CONSTRUCTION METHOD THEREOF ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District,

Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: JIA Senchun;LI Hui;YIN Zhenyu;ZHANG Qihang~

2025/00717 ~ Complete ~54:METHOD AND SYSTEM FOR SCORING VOLLEYBALL EXAM ~71:Mudanjiang Normal University, No. 191, Wenhua Street, Aimin District, Mudanjiang City, Heilongjiang Province, People's Republic of China ~72: YU, Jie~ 33:CN ~31:2024119381297 ~32:26/12/2024

2025/00721 ~ Complete ~54:ENGLISH-CHINESE TRANSLATOR FOR ENGLISH MAJORS ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN, Yuerong;GUO, Yufei;JING, Liya;LIU, Xuemei;LUO, Mengyang;WANG, Wenfang;ZHANG, Yuanyang~

2025/00725 ~ Complete ~54:COMPOUNDS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS ~71:Curis, Inc., Ledgemont Research Center-Building C-500 Level, 128 Spring Street, LEXINGTON 02421, MA, USA, United States of America ~72: BOOHER, Robert~ 33:US ~31:62/579,502 ~32:31/10/2017

2025/00727 ~ Complete ~54:BENDING-RESISTANT ALUMINUM ALLOY CONTROL SIGNAL CABLE ~71:ZHEJIANG GUANGDA PUTE COMMUNICATION TECHNOLOGY CO., LTD., No.18, Jintian Road, Jinan Street, Linan District, Hangzhou, Zhejiang, 311399, People's Republic of China ~72: JUN TANG;SHIPENG XUE;XUEGUANG HAN;YUN ZHOU;ZHU LU~ 33:CN ~31:202410130569.3 ~32:31/01/2024

2025/00735 ~ Complete ~54:ELECTRIC FLYING LIFEBUOY ~71:NANJING KAITIANYAN UAV TECHNOLOGY CO., LTD., 211-401, Floor 2, Building 1, No. 69 Aoti Street, Jianye District, Nanjing, Jiangsu, 210000, People's Republic of China ~72: CHEN, Chong;SHI, Xiaoyu~ 33:CN ~31:202221933359.0 ~32:26/07/2022

2025/00737 ~ Complete ~54:THERAPEUTIC TYROSINE KINASE INHIBITORS FOR MULTIPLE SCLEROSIS AND MYASTHENIA GRAVIS ~71:PRINCIPIA BIOPHARMA INC., 55 Corporate Drive, Bridgewater, New Jersey, United States of America ~72: SYED, Sana~ 33:US ~31:63/357,465 ~32:30/06/2022;33:US ~31:63/433,866 ~32:20/12/2022

2025/00744 ~ Complete ~54:ANTI-FUNGAL PACKAGING AND METHOD OF CONTROLLING FUNGAL GROWTH ON PRODUCE ~71:MASTER PLASTICS PROPRIETARY LIMITED, 14 Elgin Road, 1410 Eglin Office Park, South Africa ~72: KREISSEL, Dieter;LAHOUD, George Francis~ 33:ZA ~31:2022/07399 ~32:05/07/2022;33:WO ~31:PCT/IB2023/056823 ~32:30/06/2023

2025/00757 ~ Complete ~54:ACE2 INHIBITION ASSAY FOR EVALUATION OF VACCINE IMMUNOGENICITY ~71:NOVAVAX, INC., 700 Quince Orchard Road, United States of America ~72: KALKERI, Raj;PLESTED, Joyce S.~ 33:US ~31:63/392,390 ~32:26/07/2022;33:US ~31:63/405,653 ~32:12/09/2022;33:US ~31:63/428,991 ~32:30/11/2022

2025/00740 ~ Complete ~54:FEED FOR ANADROMOUS FISH, METHOD FOR PRODUCING IT, METHOD OF INCREASING SEAWATER TOLERANCE, GROWTH AND FEED INTAKE OF ANADROMOUS FISH, FISH FEED FOR USE IN PREVENTING OR REDUCING SEVERITY OF CATARACTS ~71:NUTRECO IP ASSETS B.V., VEERSTRAAT 38, NL-5831 JN BOXMEER, NETHERLANDS, Netherlands ~72: HOLME, May-Helen;STRUKSNAËS, Gunvor;SUBRAMANIAN, Saravanan;VIKESÅ, Vibeke~ 33:NO ~31:20220763 ~32:01/07/2022

2025/00710 ~ Complete ~54:MULTI-LEVEL MONITORING ROTARY DECANTER CONTROL SYSTEM AND METHOD, AND DEVICE ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: LI, Yan;LUAN, Kun;SUN, Huisong;ZHANG, Hongli;ZHANG, Xiaofeng;ZOU, Jianxin~

2025/00712 ~ Complete ~54:MODIFIED RUBBER PARTICLE AND HIGH-PERFORMANCE RUBBER CONCRETE PREPARED BY MODIFIED RUBBER PARTICLE ~71:Anhui Water Conservancy Technical College, No. 18 Dongmenhe Road, Hefei City, Anhui Province, 231603, People's Republic of China ~72: CHEN Wei;LI Jian;LING Ru;MEI Dongsheng;YANG Hao;YAO Chunmei;ZHU Bingqing~

2025/00716 ~ Complete ~54:INTELLIGENT SLEEP MONITORING SYSTEM FOR INSOMNIA TREATMENT ~71:Beijing Hospital of Traditional Chinese Medicine Affiliated to Capital Medical University, No. 23, Art Museum Back Street, Dongcheng District, Beijing, People's Republic of China ~72: Fei Teng~

2025/00719 ~ Complete ~54:TRAFFIC ENGINEERING ANTI-COLLISION DEVICE ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GE, Bingwei;GUO, Lulu;NIU, Ganggang;SONG, Xinsheng;XIA, Yingzhi;ZHANG, Shuo;ZHENG, Chao~

2025/00704 ~ Provisional ~54:VORTEX SLURRY PUMP ~71:Thomas Stuart MILLER, 26 Victory Lane, Earls Court, Airway Road, HEATHER PARK, George 6529, Western Cape Province, SOUTH AFRICA, South Africa ~72: Thomas Stuart MILLER~

2025/00706 ~ Complete ~54:CONNECTION LOCKING DEVICE FOR CONSTRUCTION FORMWORK ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: JING, Yanfeng;LI, Yan;LIANG, Bin;LIU, Changheng;LUAN, Kun;WU, Xiaowei;ZHANG, Hongli;ZHANG, Tian~

2025/00713 ~ Complete ~54:AN INTERVAL TYPE-2 FUZZY NEURAL NETWORK SOFT-SENSING SYSTEM BASED ON MULTI-STRATEGY AND ADAPTIVE DIFFERENTIAL EVOLUTION ALGORITHM OPTIMIZATION ~71:Liaoning Petrochemical University, No. 1, West Section of Dandong Road, Wanghua District, Fushun City, Liaoning Province, People's Republic of China ~72: Guo Rui;Li Jinna;Li Xianhao;Shi Huiyuan;Yin Jiayi;Zhao Ruining;Zhao Taoyan;Zhu Pengfei~ 33:CN ~31:2024119479609 ~32:27/12/2024

2025/00730 ~ Complete ~54:METHOD FOR PREPARING MANGANESE-SILICON ALLOY AND ENRICHING LITHIUM FROM LITHIUM OREA ~71:Kunming University of Science and Technology, No. 253, Xuefu Road, Wuhua District, Kunming City, Yunnan Province, People's Republic of China ~72: Qu tao;Yang Mingliang~

2025/00732 ~ Complete ~54:SESSION RECOMMENDATION METHOD AND SYSTEM BASED ON A CLOUD PLATFORM ~71:SuZhou University, Education Park, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Xiaomei Zhang;Zijia Yu~

2025/00741 ~ Complete ~54:A BATTERY ENERGY STORAGE SYSTEM ~71:SUNVERTEC PTY LTD, 4/14 Uppill Place, Wangara,, Australia ~72: DAVIES, Alexander;DAVIES, Kevin~ 33:AU ~31:2022901722 ~32:22/06/2022

2025/00745 ~ Complete ~54:COMBINATION IMMUNORESPONSE REGULATOR/IMMUNOTHERAPY SYSTEM AND METHOD ~71:KoDiscovery, LLC, 701 East Pratt Street, BALTIMORE 21202, MD, USA, United States of America ~72: KO, Young Hee~ 33:US ~31:63/359,674 ~32:08/07/2022

2025/00746 ~ Complete ~54:FIBROBLAST ACTIVATION PROTEIN-TARGETED COMPOSITIONS AND METHODS OF USE THEREOF ~71:Ratio Therapeutics, Inc., 77 Sleeper Street, 2nd Floor, BOSTON 02210, MA, USA, United States of America ~72: BABICH, John;DIMAGNO, Stephen;PONNALA, Shashinkanth~ 33:US ~31:63/392,899 ~32:28/07/2022

2025/00750 ~ Complete ~54:3-PYRROLIDINE-INDOLE DIMERS AS SEROTONERGIC AGENTS USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO ~71: Mindset Pharma Inc., 217 Queen Street West, Suite 401, TORONTO M5V 0R2, ONTARIO, CANADA, Canada ~72: ARAUJO, Joseph A.; SLASSI, Abdelmalik~ 33:US ~31:63/395,534 ~32:05/08/2022

2025/00755 ~ Complete ~54:FITNESS ASSESSMENT SYSTEM AND METHODOLOGY ~71: MOMENTUM METROPOLITAN LIFE LIMITED, 268 West Avenue, Centurion, 0157, South Africa ~72: BERNARD MATTHEE STEYN; CHRISTIAAN MAARTEN VAN DER WALT; ERNST-ERICH DINKELMANN; FRANCESCO ORLANDO JOSHUA; HORATIO BENJAMIN MOGGEE; RUHAN COETZER~ 33:ZA ~31:2022/09638 ~32:30/08/2022

2025/00709 ~ Complete ~54:ANGLE-ADJUSTABLE HEAT DISSIPATION FAN BRACKET ~71: Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: DONG, Juan; JIA, Bingshu; LI, Yan; LIU, Changheng; LUAN, Kun; WANG, Xin; WANG, Zipeng; ZHANG, Hongli~

2025/00720 ~ Complete ~54:ANTI-THEFT ALARM ~71: Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: FAN, Liping; GAO, Tingting; LI, Hongye; LIU, Bin; MA, Dongxia~

2025/00758 ~ Complete ~54:DATA ANALYSIS METHOD, DEVICE THEREOF AND SYSTEM THEREOF ~71: HEBEI NET NEW DIGITAL TECHNOLOGY CO., LTD., No. 9 Ruining Road, Luquan District Economic Development Zone, Shijiazhuang, People's Republic of China ~72: GU, Lifang; MENG, Fanhua; YAN, Rongxin~ 33:CN ~31:202410051642.8 ~32:15/01/2024

2025/00729 ~ Complete ~54:A METHOD FOR PREPARING A WILDLIFE REPELLENT GAS COMPOSITION ~71: Dr. Amrut Gunwantrao Gaddamwar, Department of Chemistry, Amolkachand Mahavidyalaya, Godhani Road Yavatmal, Maharashtra, 445001, India; Dr. Rakhi Gajanan Gawali, Department of Chemistry, D.B.F. Dayanand College of Arts & Science, Solapur, India; Magdi Elsayed Abdelsalam Zaki, Chemistry Department- Imam Mohammad ibn Saud Islamic University-Riyadh-KSA, Saudi Arabia; Sami Abdul Aziz Al-Hussain, Chemistry Department- Imam Mohammad ibn Saud Islamic University-Riyadh-KSA, Saudi Arabia ~72: Dr. Amrut Gunwantrao Gaddamwar; Dr. Rakhi Gajanan Gawali; Magdi Elsayed Abdelsalam Zaki; Sami Abdul Aziz Al-Hussain~

2025/00731 ~ Complete ~54:SPOKEN ENGLISH TRANSLATION METHOD, DEVICE, AND STORAGE MEDIUM BASED ON CROSS-MODAL INTERACTION ~71: Suzhou university, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: MA Lu; YANG Wenfei; ZHANG Yanling~

2025/00743 ~ Complete ~54:MANIPULATOR BASED ON FIXED MULTI-ANGLE WELDING MOVEMENT FOR ELECTROMECHANICAL CABINET ASSEMBLY ~71: Wuxi Vocational Institute of Commerce, No. 809, Qianhu Road, Wuxi, Jiangsu, 214000, People's Republic of China ~72: LI, Jingkui; WANG, Danjing; WANG, Hong; WU, Shulong~ 33:CN ~31:202510016435.3 ~32:06/01/2025

2025/00747 ~ Complete ~54:CRYSTALLINE FORMS OF (6S,7S)-6-FLUORO-7-(2-FLUORO-5-METHYLPHENYL)-3-(TETRAHYDRO-2H-PYRAN-4-YL)-5,6,7,8-TETRAHYDROPYRIDO[2,3-D]PYRIMIDINE-2,4(LH,3H)-DIONE ~71: MyoKardia, Inc., 1000 Sierra Point Parkway, BRISBANE 94005, CA, USA, United States of America ~72: DALENS, Catherine; HUANG, Neal; LI, Zheng Jane; LOUGHREY, Jonathan; LU, Yue; MENEGOTTO, Jerome; SHARP, Lorraine; TAILLEZ, Franck; TUMMA, Harikrishna; WAN, Lin; WANG, Juan; WANG, Ruiping; WANG, Wei; YANG, Rongfei; YU, Ying; ZHANG, David John~ 33:IB ~31:2022/109030 ~32:29/07/2022

2025/00756 ~ Complete ~54:PSEUDOVIRUS BASED NEUTRALIZATION ASSAY FOR EVALUATING VACCINE IMMUNOGENICITY ~71:NOVAVAX, INC., 700 Quince Orchard Road, United States of America ~72: CAI, Zhaohui;KALKERI, Raj~ 33:US ~31:63/392,397 ~32:26/07/2022;33:US ~31:63/407,371 ~32:16/09/2022

2025/00708 ~ Complete ~54:EASILY ASSEMBLED AND DISASSEMBLED COMPUTER CASE ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: GAO, Tingting;HUANG, Jinhua;LI, Hongye;LI, Yan;LUAN, Kun;WANG, Rui;ZHANG, Hongli;ZHANG, Hongxu~

2025/00715 ~ Complete ~54:PIEZOELECTRIC CATALYTIC PERSULFATE ACTIVATION UTILIZING BI₂WO₆ FOR ENHANCED DEGRADATION OF ORGANIC POLLUTANTS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LongXiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HE Yang;LI Jiebing;LIU Biao;PANG Dandan;YAN Xu;YUAN Chenguang;ZHANG Xia;ZHANG Jinhui;ZHANG Yan~

2025/00723 ~ Complete ~54:TOWER CLIMBING DEVICE ~71:Heilongjiang Institute of Construction Technology, No. 999 Xueyuan Road, Hulan District, Harbin City, Heilongjiang Province, 150025, People's Republic of China ~72: JING, Yanfeng;LI, Yan;LUAN, Kun;WANG, Zipeng;WU, Guizhou;ZHANG, Hongli;ZOU, Jianxin~

2025/00724 ~ Complete ~54:MICROORGANISM PROPAGATION DEVICE FOR SIMULATING HIGH-COLD AND HIGH-ALTITUDE ENVIRONMENT ~71:BGRIMM TECHNOLOGY GROUP, NO. 1 WENXING STREET, People's Republic of China;YUNNAN COPPER CHIFENG NON-FERROUS METALS CO., LTD., DONGSHAN INDUSTRIAL PARK, People's Republic of China ~72: LI, Fangze;LI, Rui;LIN, Xingjie;MA, Haitao;MIAO, Yu;PANG, Zhikun;SUN, Qiwei;XIN, Xin;ZHANG, Chi;ZHANG, Ge;ZHANG, Zhen~

2025/00734 ~ Complete ~54:FUSED RING COMPOUND WITH SULFUR-CONTAINING SUBSTITUENT, PREPARATION METHOD, INSECTICIDE COMPOSITION, AND USE ~71:JIANGSU FLAG CHEMICAL INDUSTRY CO., LTD, 309 Changfeng River Road, Nanjing Chemical Industry Park, Nanjing, Jiangsu, 210000, People's Republic of China ~72: WANG, Fengyun;YAO, Kaicheng;ZHANG, Pu;ZHAO, Wen~ 33:CN ~31:202210906545.3 ~32:29/08/2022

2025/00742 ~ Complete ~54:SPRAYABLE ANTIFUNGAL COMPOSITION FOR USE IN THE FIELD OF AGRICULTURE, AND ASSOCIATED METHOD AND USE ~71:GAIAGO, 12 rue des Petits Bois, France ~72: BERNARDON MERY, Aude;BUCAILLE, Francis~ 33:FR ~31:FR2207712 ~32:27/07/2022

2025/00753 ~ Complete ~54:AUTOMATIC CONTROL METHOD FOR HOISTING RADAR ANTENNA SYSTEM ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing 100027, People's Republic of China ~72: ZHIFENG ZHANG~ 33:CN ~31:202410482278.0 ~32:22/04/2024

2025/00726 ~ Complete ~54:COMPOUNDS AND COMPOSITIONS FOR TREATING HEMATOLOGICAL DISORDERS ~71:Curis, Inc., Ledgemont Research Center-Building C-500 Level, 128 Spring Street, LEXINGTON 02421, MA, USA, United States of America ~72: BOOHER, Robert~ 33:US ~31:62/579,502 ~32:31/10/2017

2025/00728 ~ Complete ~54:MULTI-POSITION CONTROLLED AIRWAY VALVE, REFILLING DEVICE AND REFILLING SYSTEM ~71:CHANT HEAT ENERGY SCIENCE & TECHNOLOGY (ZHONGSHAN) CO., LTD., NO. 42-1, Xiaolan Industry Road South, Zhongshan City, People's Republic of China ~72: CHEN, Guoquan;DENG, Xianmin;GUO, Weizhao;MAI, Guangzhi~ 33:CN ~31:202410431849.8 ~32:10/04/2024;33:CN ~31:202420739270.3 ~32:10/04/2024

2025/00733 ~ Complete ~54:LASER SCRIBING METHOD FOR LOW-IRON-LOSS ORIENTED SILICON STEEL PLATE, AND ORIENTED SILICON STEEL PLATE ~71:BAOSHAN IRON & STEEL CO., LTD., 885 FUJIN ROAD,

BAOSHAN DISTRICT, SHANGHAI, 201900, People's Republic of China ~72: JI, Yaming;LI, Guobao;LING, Chen;LIU, Hai;MA, Changsong;SUN, Huande;WU, Meihong;XIANG, Banglin;ZHAO, Zipeng~ 33:CN ~31:202210813491.6 ~32:11/07/2022

2025/00739 ~ Complete ~54:AUTOMATIC ALIGNMENT OF VIDEO STREAMS ~71:GENIUS SPORTS SS, LLC, 312 E. 1ST STREET, 5TH FLOOR, LOS ANGELES, CALIFORNIA 90012, USA, United States of America ~72: BEN SHITRIT, Horesh, Beny;DUBOUT, Charles, Xavier, Quentin;GUILBERT, Pierre, Claude, Thierry;OESCHGER, Cynthia;UHLENBROCK, Ryan, Martin~ 33:US ~31:63/357,979 ~32:01/07/2022

2025/00748 ~ Complete ~54:NOVEL METHOD OF PRODUCING AN ALGAE COMPOSITION ~71:Enlightened Soil Corp, 2599A Bohicket Road, JOHNS ISLAND 29455, SC, USA, United States of America ~72: SPAULDING, Christopher~ 33:US ~31:17/869,140 ~32:20/07/2022

2025/00749 ~ Complete ~54:A LONG-ACTING LIPOSOMAL COMPOSITION FOR TREATMENT OF PAIN IN ARTICULAR DISORDERS ~71:Moebius Medical Ltd., 31 Habarzel St., TEL AVIV 6971045, ISRAEL, Israel ~72: PINKUS, Ron;WEINSTEIN, Moshe~ 33:US ~31:63/480,522 ~32:19/01/2023

2025/00754 ~ Complete ~54:HYBRID HYDRAULIC DOWN-THE-HOLE HAMMER ~71:MINCON INTERNATIONAL LIMITED, Smithstown Industrial Estate, Shannon, V14 N993, Ireland ~72: MARKKU KESKINIVA~ 33:IE ~31:S2022/0123 ~32:21/07/2022;33:IE ~31:S2022/0177 ~32:04/11/2022

- APPLIED ON 2025/01/23 -

2025/00809 ~ Complete ~54:PREPARATION METHOD OF FOAMING CATALYST AND APPLICATION OF FOAMING CATALYST IN HIGH-DENSITY AND HIGH-STRENGTH POLYURETHANE FOAM ~71:JIANGSU HENGGUANG NEW MATERIAL CO., LTD., SOUTH OF DAYU ROAD AND NORTH OF JIANGMING ROAD IN TONGZHOU BAY RIVER SEA JOINT DEVELOPMENT DEMONSTRATION ZONE NANTONG, People's Republic of China ~72: LI, Guang;LI, Liangkui;LI, Tao;LI, Zhongjun~ 33:CN ~31:2024100978107 ~32:24/01/2024

2025/00766 ~ Complete ~54:PRODUCTIVITY PREDICTION METHOD FOR MULTI-WELL INJECTION-PRODUCTION WELL PATTERN ~71:Liaoning Petrochemical University, No. 1, West Section of Dandong Road, Wanghua District, Fushun City, Liaoning Province, 113005, People's Republic of China;Research Institute of Petroleum Exploration & Development, No. 20, Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China ~72: BAI, Yongsheng;HUANG, Zijian;LI, Cunlei;WANG, Jingang;WU, Zhongbao;YAN, Yiqun;ZHANG, Qiushi;ZOU, Yi~

2025/00775 ~ Complete ~54:PROSPECTING METHOD FOR CHROMIUM ORE ~71:No.1 Exploration Institute of Geology Resources of Qinghai Province, 232 Ping'an Avenue, Ping'an District, Haidong City, Qinghai Province, 810600, People's Republic of China ~72: CHEN, Sulong;DUO, Deying;GUO, Wei;HAN, Yu;LI, Jian;LI, Peigeng;LI, Peng;LI, Yulian;LIU, Xiufeng;QI, Dong;SONG, Zhongning;WANG, Bin;WANG, Lei;XIE, Hailin;ZHANG, Zhengzhi~

2025/00787 ~ Complete ~54:A GAS BURNER WITH MULTIPLE ADJUSTMENT PARAMETERS ~71:Dr. Arman Ovla, Assistant Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Dr. Satyaki Roy, Professor, Department of Design, Indian Institute of Technology Kanpur, Uttar Pradesh, 208016, India;Dr. Shatrupa T. Roy, Associate Professor in the Department of Humanity and Social Science, Indian Institute of Technology Kanpur, Uttar Pradesh, 208016, India;Sandeep Bajrangi Bari, PhD Scholar, Department of Physics, Indian Institute of Technology Kanpur, Kanpur, Uttar Pradesh, 208016, India ~72: Dr. Arman Ovla;Dr. Satyaki Roy;Dr. Shatrupa T. Roy;Sandeep Bajrangi Bari~

2025/00797 ~ Complete ~54:APPLICATION OF NAT10 IN THE DIRECTION OF POOR PROGNOSIS MARKER AND DRUG FOR TREATING CERVICAL CANCER ~71:THE THIRD AFFILIATED HOSPITAL OF GUANGZHOU

MEDICAL UNIVERSITY (GUANGZHOU INTENSIVE CARE CENTER FOR PREGNANT AND PREGNANT WOMEN, GUANGZHOU ROUJI HOSPITAL), No. 63 Duobao Road, Guangzhou, Guangdong, 510000, People's Republic of China ~72: JIANG, Yinan;LI, Baixue;LI, Pu;LIANG, Peiji;LIANG, Peili;LIN, Rongjin;LIU, Yan;SHENG, Xiujie;WANG, Zhihui;ZHANG, Yuping;ZHOU, Dongmei;ZOU, Haijiao~

2025/00812 ~ Complete ~54:ADMINISTRATION CONTROL METHOD AND APPARATUS FOR SKIN ADMINISTRATION ~71:BEIJING SHENZHOU HANFANG PHARMACEUTICAL TECHNOLOGY CO., LTD., Room 310、315, Floor 3, Building 1, No. 7 Fengxian East Road, Haidian District, People's Republic of China ~72: CHEN, Gang;WANG, Meilin~ 33:CN ~31:2022108911799 ~32:27/07/2022

2025/00813 ~ Provisional ~54:STIMULI-RESPONSIVE NANOPARTICLE-BASED DELIVERY SYSTEM FOR CRISPR-CAS9 AND MRNA THERAPEUTICS IN THE TREATMENT OF DIABETES, CANCER, AND HIV ~71:Sarah Kedibone Maracha Mashabane, 376 Anchovy Road Vaal Marina, South Africa ~72: Sarah Kedibone Maracha Mashabane~

2025/00759 ~ Provisional ~54:THE VERTICAL HYDRO DAM WITH ELEVATION ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2025/00768 ~ Complete ~54:MEASURING DEVICE AND MEASURING METHOD FOR TACTILE VISUAL COMPREHENSIVE STYLE OF TEXTILE MATERIALS ~71:Anhui Polytechnic University, No. 8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: HU Liang;LIU Kai;LIU Shirong;SUN Xuzhi;SUN Yi;TANG Ying;WANG Yong;XIE Guoqing;XIE Qi~

2025/00778 ~ Complete ~54:ADSORBENT FOR REMOVING NAPHTHOL GREEN B ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DIAN Pingge;FU Yongmei;HAN Lin;PANG Dandan;ZHANG Yan~

2025/00780 ~ Complete ~54:A SPECTROSCOPIC DETECTION METHOD AND DEVICE FOR ILLEGAL ADDITIVES IN GASOLINE ~71:Nankai University, School of Artificial Intelligence, Nankai University, No. 94 Weijin Road, Jinnan District, Tianjin, People's Republic of China ~72: Feng Hailong;Huang Mingyue;Liang jing;Wang bin;Xu Xiaoxuan;Xujing~

2025/00791 ~ Complete ~54:A SYSTEM AND METHOD FOR CLOSED-LOOP ARACHNOPHOBIA MANAGEMENT IN VIRTUAL REALITY ENVIRONMENT ~71:Dr. Chiranjoy Chattopadhyay, Associate Professor, Department of Computing and Data Sciences, FLAME University, Pune, Maharashtra, 412115, India;Dr. Rahul Kumar Ray, Assistant Professor, Department of Computing and Data Sciences, FLAME University, Pune, Maharashtra, 412115, India;Mr. Suyash Lal, Student, FLAME University, Pune, Maharashtra, 412115, India;Rudra Krishna, Student, FLAME University, Pune, Maharashtra, 412115, India ~72: Dr. Chiranjoy Chattopadhyay;Dr. Rahul Kumar Ray;Mr. Suyash Lal;Rudra Krishna~

2025/00800 ~ Complete ~54:GLP-1/GIP DUAL AGONIST, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HANGZHOU ZHONGMEIHUADONG PHARMACEUTICAL CO., LTD., No. 866, Moganshan Road, GongShu District, Hangzhou, Zhejiang, 310011, People's Republic of China ~72: CHUNHUA JIANG;DONGZHOU LIU;JIALE SHEN;LI TENG;NAN ZHANG~ 33:CN ~31:202210825092.1 ~32:13/07/2022;33:CN ~31:202211266927.0 ~32:17/10/2022;33:CN ~31:202310096643.X ~32:18/01/2023

2025/00807 ~ Complete ~54:TARGETED PROTEIN DEGRADATION OF PARP14 FOR USE IN THERAPY ~71:AbbVie Operations Singapore Pte. Ltd., 23 Tuas South Avenue 6, SINGAPORE 637022, SINGAPORE, Singapore ~72: DOWNING, Jennifer;KUNTZ, Kevin Wayne;PERL, Nicholas Robert~ 33:US ~31:63/393,522 ~32:29/07/2022;33:US ~31:63/420,307 ~32:28/10/2022;33:US ~31:63/443,170 ~32:03/02/2023

2025/00772 ~ Complete ~54:NON-CONTACT INDUCTIVE SWITCH ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes;BRUWER, Frederick Johannes Jnr.~ 33:ZA ~31:2024/00806 ~32:24/01/2024

2025/00773 ~ Complete ~54:STRANDED WIRE BASED ON ALUMINUM-CLAD INVAR STEEL CORE AND THERMORESISTANT ALUMINUM ALLOY SHAPED WIRE AND METHOD FOR FABRICATING THE SAME ~71:JIANGSU HENGTONG ELECTRIC POWER SPECIAL WIRE CO., LTD., No. 90, Hengtong Road, Yindu Village, Qidu Town, Wujiang District, Suzhou, Jiangsu, 215000, People's Republic of China ~72: CHENG Lei;CUI Jiayu;DING Qifan;HOU Yan;LI Hanlin;MENG Xianghui;SHI Xin;SUN Leyu;TIAN Yinfa;WU Songmei;XU Yikai;YANG Lijun;ZHU Hongliang~ 33:CN ~31:2024107045276 ~32:03/06/2024

2025/00786 ~ Complete ~54:AN ULTRAVIOLET-BASED PACIFIER STERILIZATION DEVICE AND A METHOD FOR THE SAME ~71:Dr. Amit Kundal, Associate Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Dr. Mritunjay Kumar, Assistant Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Shamit Shrivastav, Associate Professor of Practice, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India ~72: Dr. Amit Kundal;Dr. Mritunjay Kumar;Shamit Shrivastav~

2025/00789 ~ Complete ~54:TRUCK IGNITION STARTING APPARATUS ~71:Shenzhen Mingtang New Energy Technology Co., Ltd., 1501 Dazu Technology Center, No. 9988 Shennan Avenue, Maling Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, People's Republic of China ~72: Diao, Yingjun;Fu, Jiabin;Li, Zhiru;Luo, Mingxiang;Wang, Jun;Zeng, Wujun~ 33:CN ~31:202420972177.7 ~32:07/05/2024

2025/00793 ~ Complete ~54:PRESSURE ULCER RISK WARNING SYSTEM, METHOD AND DEVICE BASED ON PRESSURE DISTRIBUTION MONITORING ~71:GUANGZHOU INSTITUTE OF CANCER RESEARCH, THE AFFILIATED CANCER HOSPITAL, GUANGZHOU MEDICAL UNIVERSITY, No.78, Hengzhigang Road, Yuexiu District, Guangzhou, Guangdong, 510000, People's Republic of China ~72: Hansen LI;Lijun ZHANG;Zhaochun ZENG~

2025/00798 ~ Complete ~54:PROTEIN TYROSINE KINASE INHIBITOR AND MEDICAL USE THEREOF ~71:BEYANG THERAPEUTICS CO., LTD., E814, Building 5, No.218 SangTian Street, Suzhou Industrial Park, People's Republic of China ~72: HU, Qiyue;LIU, Suxing;XI, Zhiguo~ 33:CN ~31:202210942067.1 ~32:08/08/2022

2025/00804 ~ Complete ~54:NOVEL SKIN CARE COMPOSITION FOR TREATING ATOPIC DERMATITIS ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG 22529, GERMANY, Germany ~72: AHLE, Charlotte;BRAREN, Sandra;FOELSTER, Heike;GALLINAT, Stefan;GONDA, Laura;GÜLDEN, Elke;HUEPEDEN, Jennifer;LASCHET, Mirja;REUTER, Joern Hendrik~ 33:EP ~31:22187086.8 ~32:26/07/2022

2025/00808 ~ Complete ~54:TARGETED PROTEIN DEGRADATION OF PARP14 FOR USE IN THERAPY ~71:AbbVie Operations Singapore Pte. Ltd., 23 Tuas South Avenue 6, SINGAPORE 637022, SINGAPORE, Singapore ~72: KUNTZ, Kevin Wayne;PERL, Nicholas Robert~ 33:US ~31:63/393,541 ~32:29/07/2022

2025/00811 ~ Complete ~54:PREPARATION PROCESS AND DEVICE OF LOW-VOC POLYURETHANE RAW MATERIAL ~71:JIANGSU HENGGUANG NEW MATERIAL CO., LTD., SOUTH OF DAYU ROAD AND NORTH OF JIANGMING ROAD IN TONGZHOU BAY RIVER SEA JOINT DEVELOPMENT DEMONSTRATION ZONE NANTONG, People's Republic of China ~72: CHEN, Liangyong;LI, Guang;LI, Tao;LI, Zhongjun~ 33:CN ~31:2024108186290 ~32:14/06/2024

2025/00779 ~ Complete ~54:EFFICIENT DEGRADATION OF RHODAMINE B BY COUPLING EFFECT OF PIEZO-PHOTOCATALYSIS OF BIOCL/TIO2 ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION,

Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HE Yang;LI Hang;LI Jiebing;LIU Biao;PANG Dandan;YAN Xu;ZHANG Jinhui;ZHANG Xia;ZHANG Yan~

2025/00781 ~ Complete ~54:KIT FOR DETECTING MASTITIS IN DAIRY COWS AND A USING METHOD THEREOF ~71:Northwest A&F University, No. 3 Taicheng Road, Shifan Zone, Yangling, Shaanxi, People's Republic of China;Yangling Vocational and Technical College, No. 24, Weihui Road, Shifan District, Yangling, Shaanxi, People's Republic of China ~72: Fengyu Wang;Jun Liu;Long Li;Xiaoqing Zhang;Yan Luo;Yuchun He;Yuefan Fu;Zhencang Zhang~

2025/00783 ~ Complete ~54:A SAFETY FIRE PREVENTION DEVICE FOR MINES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Huanyu Zhou;Pan Lin;Quan Lou;Shijie Yuan;Wenyan Wang;Yiju Tang;Zhanfeng Huang~

2025/00785 ~ Complete ~54:A SAFETY PROTECTION DEVICE FOR URBAN UNDERGROUND SPACE CONSTRUCTION ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Huanyu Zhou;Pan Lin;Quan Lou;Shijie Yuan;Wenyan Wang;Yiju Tang;Zhanfeng Huang~

2025/00796 ~ Complete ~54:AEROSOL-GENERATING ARTICLE HAVING TWO AEROSOL-GENERATING SEGMENTS ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: UTHURRY, Jerome~ 33:EP ~31:22182379.2 ~32:30/06/2022

2025/00803 ~ Complete ~54:ANTIBODY-DRUG CONJUGATE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Medilink Therapeutics (Suzhou) Co., Ltd., Unit 101, Block B3, Biotech Industrial Park, 218 Xinghu Street, Suzhou Industrial Park, Suzhou Area of China (Jiangsu) Pilot Free Trade Zone, SUZHOU 215000, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: CAI, Jiaqiang;XIAO, Liang;XUE, Tongtong~ 33:CN ~31:202210838614.1 ~32:14/07/2022

2025/00761 ~ Provisional ~54:QR-STORIES ~71:Fulufhelo Munyai, 266 Wildtuin Park Estate, South Africa ~72: Fulufhelo Munyai~

2025/00776 ~ Complete ~54:DEVICE FOR COMPRESSION-SHEAR COMBINED LOADING TEST AND TESTING METHOD THEREOF ~71:HENAN POLYTECHNIC UNIVERSITY, No.2001, Century Avenue, High-tech Zone, Jiaozuo City, Henan Province, 454003, People's Republic of China ~72: GONG Jian;LIU Yonggui;SHEN Lingyan;WANG Shuren~

2025/00788 ~ Complete ~54:A SUSTAINABLE POTTERY KILN SYSTEM FOR POTTERY FIRING ~71:Dr. Arman Ovla, Assistant Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Dr. Satyaki Roy, Professor, Department of Design, Indian Institute of Technology Kanpur, Uttar Pradesh, 208016, India;Dr. Shatarupa Thakurta Roy, Associate Professor in the Department of Humanity and Social Science, Indian Institute of Technology Kanpur, Uttar Pradesh, 208016, India ~72: Dr. Arman Ovla;Dr. Satyaki Roy;Dr. Shatarupa Thakurta Roy~

2025/00799 ~ Complete ~54:COMBINATION THERAPY OF CDK7 INHIBITORS WITH OTHER ANTI-CANCER THERAPIES ~71:QURIENT CO., LTD., C-801, 242, Pangyo-ro, Bundang-gu, Republic of Korea ~72: AHN, Won-Gyun;JEON, Yeejin;KIM, Jaeseung;LEE, Seung-Joo;NAM, Kiyean;YU, Donghoon~ 33:US ~31:63/395,549 ~32:05/08/2022

2025/00801 ~ Complete ~54:LENTIVIRAL VECTORS FOR EXPRESSION OF HUMAN PAPILLOMAVIRUS (HPV) ANTIGENS AND ITS IMPLEMENTATION IN THE TREATMENT OF HPV INDUCED CANCERS

~71:INSTITUT PASTEUR, 25-28 rue du Docteur Roux, 75015, Paris, France;THERAVECTYS, Bat Pasteur Biotop, 28 rue du Docteur Roux, 75015, Paris, France ~72: AMANDINE NOIRAT;FANNY MONCOQ;FRANÇOIS ANNA;INGRID FERT;LAETITIA DOUGUET;MAJLESSI LALEH;PIERRE CHARNEAU~ 33:EP ~31:22306119.3 ~32:27/07/2022

2025/00806 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING KERATIN FIBERS ~71:L'Oreal, 14 rue Royale, PARIS 75008 , FRANCE, France ~72: KHINE, Cho-Cho;RUGHANI, Ronak~ 33:US ~31:63/396,181 ~32:08/08/2022;33:FR ~31:2211644 ~32:09/11/2022

2025/00771 ~ Complete ~54:A GRINDING DEVICE FOR PROCESSING METAL STAMPING ~71:Zhongshan Qili Electric Appliance Co., Ltd., Factory 33-1, Jinhai Road, Shuixi Community, Nantou Town, Zhongshan, Guangdong, People's Republic of China ~72: Wenjie Zhang~

2025/00774 ~ Complete ~54:TRACK ELEVATION CONTROL SYSTEM AND CONTROL METHOD FOR EXPANSION REVAMP OF RAILWAY BUSINESS LINE ~71:China Tiesiju Civil Engineering Group Co., Ltd., No. 96, Wangjiang East Road, Baohe District, Hefei, Anhui, People's Republic of China ~72: CHEN, Zhiyuan;HONG, Yucheng;LI, Yangyang;LIU, Gen;SUN, Ao;TIAN, Huibin;WANG, Xiaoyu;YANG, Jun;ZHANG, Wanjun;ZHOU, Changchang~ 33:CN ~31:202411519032.2 ~32:29/10/2024

2025/00764 ~ Provisional ~54:A WEARABLE DEVICE AND FEEDBACK SYSTEM ~71:ODENDAAL, Jullian Donovan, 16 Blasenbergstrasse, Switzerland ~72: ODENDAAL, Jullian Donovan~

2025/00784 ~ Complete ~54:A CONSTRUCTION SAFETY BASKET WITH A PROTECTIVE STRUCTURE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Bing Jia;Hao Yang;Huanyu Zhou;Jielei Shi;Pan Lin;Quan Lou;Wenyan Wang;Yiju Tang~

2025/00790 ~ Complete ~54:A WATER INFUSED WHITEBOARD DUSTING DEVICE AND A METHOD FOR OPERATING THE SAME ~71:Dr. Amit Kundal, Associate Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Dr. Mritunjay Kumar, Assistant Professor, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India;Fenil Chandrana, Project Manager, Technoventor Innovations Private Limited, Pune, Maharashtra, 412115, India;Shamit Shrivastav, Associate Professor of Practice, Department of Design, Art, and Performances, FLAME University, Pune, Maharashtra, 412115, India ~72: Dr. Amit Kundal;Dr. Mritunjay Kumar;Fenil Chandrana;Shamit Shrivastav~

2025/00805 ~ Complete ~54:EMOPAMIL-BINDING PROTEIN INHIBITORS AND USES THEREOF ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: HIMMELBAUER, Martin;JONES, John H.;LIN, Edward Yin Shiang;LOPEZ DE TURISO, Felix Gonzalez;PATTAROPONG, Vatee;PRINCE, Robin;XIN, Zhili~ 33:US ~31:63/389,482 ~32:15/07/2022

2025/00810 ~ Complete ~54:INDICATION OF NON-ZERO COEFFICIENTS IN REL-18 TYPE II CODEBOOK FOR HIGH VELOCITY ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: ATHLEY, Fredrik;KUMAR NAGALAPUR, Keerthi;MURUGANATHAN, Siva;WINGES, Johan;ZHANG, Xinlin~ 33:US ~31:63/409,425 ~32:23/09/2022

2025/00760 ~ Provisional ~54:THE VERTICAL MICROGRID 'BRIDGE' CONCEPT DESIGNS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2025/00770 ~ Complete ~54:ENVIRONMENTAL GOVERNANCE SAMPLING DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000,

People's Republic of China ~72: CAO Xuewen;HU Hui;HUANG Zhenyuan;LIU Biao;LONG Xiaojing;SANG Yupeng;ZHANG Tingting~

2025/00782 ~ Complete ~54:AUTOMOTIVE PLASTIC INJECTION MOLDED PART DEFECT DETECTION SYSTEM BASED ON MACHINE VISION TECHNOLOGY ~71:ZHEJIANG YUANSHENG PLASTIC INDUSTRY CO., LTD., No.8 Fengsheng Road, Chengtan Street, Xinchang County, Shaoxing, Zhejiang, 312530, People's Republic of China ~72: QING WANG;YOUFU CAO~ 33:CN ~31:202410630365.6 ~32:21/05/2024

2025/00792 ~ Complete ~54:VERTICAL GAS-FIRED VACUUM BOILER ~71:Henan Zhixin Boiler Technology Innovation Co., Ltd, No. 18 Yangxia Road, Industrial Agglomeration Zone, Taikang County, Zhoukou City, Henan Province, People's Republic of China ~72: CHENG Hekang;FENG Guanghao;FENG Jiaju;FENG Jinqi;FENG Kun;FENG Ruoyan;FENG Shaohua;KONG Yudie;LIANG Kunlong;LIU Junjie;MA Ran;SUN Chenguang;TIAN Zhen;WANG Zhenquan;XU Yu;YANG Yuzhen;ZHENG Xueyu~

2025/00802 ~ Complete ~54:SALTS OF SOS1 INHIBITORS ~71:Mirati Therapeutics, Inc., Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72: BURNS, Aaron Craig;IVETAC, Anthony;KETCHAM, John Michael;KULYK, Svitlana;LAWSON, John David;MARX, Matthew Arnold;SMITH, Christopher Ronald;WANG, Xiaolun~ 33:US ~31:63/355,567 ~32:24/06/2022

2025/00851 ~ Complete ~54:PREPARATION PROCESS AND DEVICE OF POLYURETHANE COMPOSITE MATERIAL FOR AUTOMOBILE TIRE SOUND INSULATION SPONGE ~71:JIANGSU HENGGUANG NEW MATERIAL CO., LTD., SOUTH OF DAYU ROAD AND NORTH OF JIANGMING ROAD IN TONGZHOU BAY RIVER SEA JOINT DEVELOPMENT DEMONSTRATION ZONE NANTONG, People's Republic of China ~72: LI, Guang;LI, Tao;LI, Zhongjun;REN, Haojun~ 33:CN ~31:202410794365X ~32:19/06/2024

2025/00762 ~ Provisional ~54:DIGITAL FARMING METHOD AND SYSTEM FOR SMALL SCALE FARMERS ~71:FERREIRA, Marcelle, 3 Jacaranda Avenue, Protea Park, South Africa ~72: FERREIRA, Marcelle~

2025/00765 ~ Provisional ~54:SILENT TETHERED RECONNAISSANCE DRONE ~71:Martin Hempel, Endeavour Farm, South Africa;Martin Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2025/00795 ~ Complete ~54:AEROSOL-GENERATING ARTICLE HAVING TWO OR MORE SUBSTRATE SEGMENTS ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: UTHURRY, Jerome~ 33:EP ~31:22182268.7 ~32:30/06/2022

2025/00763 ~ Provisional ~54:LOYALTY RETIREMENT ~71:Lavendran Chetty, 12 Middle Road, Sandton, South Africa ~72: Lavendran Chetty~ 33:ZA ~31:1 ~32:22/01/2025

2025/00767 ~ Complete ~54:A METHOD FOR CONSTRUCTING A FINGERPRINT OF GUALOU NIUBANGTANG ~71:Institute of Chinese Materia Medica China Academy of Chinese Medical Sciences, No. 16, Nanxiao Street, Inner Dongzhimen, Dongcheng District, Beijing, People's Republic of China;Linyi Hospital of Traditional Chinese Medicine, No.286 Wenlianghe Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China;Linyi Medical Care and Health Industry Research Institute, No.286 Wenlianghe Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China ~72: DU Xiyang;GAO Huimin;GU Xuezhu;HAN Yanping;LI Raorao;LUO Lu;YANG Yaoyao;YAO Li;ZHANG Haiyan;ZHANG Lijun;ZHANG Peihui;ZHANG Wei;ZHANG Yiyi~ 33:CN ~31:2024119338564 ~32:26/12/2024

2025/00769 ~ Complete ~54:MODIFIED GRAPHENE OXIDE WATERBORNE POLYURETHANE ANTICORROSIVE COATING AND PREPARATION METHOD THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Provinc, 467000, People's

Republic of China ~72: CHEN Wenzhuo;GUO Yan;HAN Ershuai;LIU Yi;LU Bingxue;WANG Zehao;YUAN Chuanbo;ZHAO Qian;ZHAO Zhenxin~

2025/00777 ~ Complete ~54:RADIATION CONVECTION RADIATOR ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: JIN Junjie;LI Huitao;WANG Shuai;ZHANG Xiaodong;ZHAO Xingtao~

2025/00794 ~ Complete ~54:AEROSOL-GENERATING SYSTEM WITH PLURALITY OF AEROSOL-GENERATING SEGMENTS ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: UTHURRY, Jerome~ 33:EP ~31:22182370.1 ~32:30/06/2022

- APPLIED ON 2025/01/24 -

2025/00863 ~ Complete ~54: HETEROCYCLIC COMPOUND ACTING ON G12D MUTANT KRAS PROTEIN ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan ~72: EIJI KAWAMINAMI;FUMIE TAKAHASHI;HIDEYUKI WATANABE;HIROKI ISHIOKA;HIROSHI INAMI;HISAO HAMAGUCHI;KAZUYUKI KURAMOTO;KENICHI KAWAGUCHI;KOHEI INAMURA;TAKAHIRO MORIKAWA;TAKASHI KAMIKUBO;TAKEYUKI NAGASHIMA;TOMOHIRO YOSHINARI;TOMOYOSHI IMAIZUMI~ 33:JP ~31:2022-116367 ~32:21/07/2022

2025/00866 ~ Complete ~54:METHOD FOR PRODUCING A COSMETIC WATER-IN-OIL EMULSION FROM A GLYCERIN-IN-OIL EMULSION ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG 22529, GERMANY, Germany ~72: ECKERT, Julia;SKUBSCH, Kerstin;WALTER, Christal~ 33:DE ~31:10 2022 207 466.1 ~32:21/07/2022

2025/00822 ~ Complete ~54:PROSPECTING METHOD FOR GOLD ORE ~71:No.1 Exploration Institute of Geology Resources of Qinghai Province, 232 Ping'an Avenue, Ping'an District, Haidong City, Qinghai Province, 810600, People's Republic of China ~72: CHEN, Sulong;DUO, Deying;GUO, Wei;HAN, Yu;LI, Jian;LI, Jinlong;LI, Peigeng;LI, Peng;LI, Yulian;SONG, Zhongning;WANG, Bin;WANG, Chao;WANG, Lei;XIE, Hailin;ZHANG, Zhengzhi~

2025/00848 ~ Complete ~54:MODULAR BUILDING AND INTEGRATED METHOD OF PREFABRICATED DECORATION ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Fan Dongjiao;Ma Caiwei;Xu Li;Zeng Wenlin;Zhang Yuqing~

2025/00832 ~ Complete ~54:METHOD AND SYSTEM FOR RAPIDLY DETECTING ALUMINUM CONTENT IN BAUXITE BASED ON NEAR-INFRARED SPECTRA ~71:China University of Mining and Technology, No. 1 University Road, Nanhu Campus, China University of Mining and Technology, Xuzhou, People's Republic of China;China Certification & Inspection (Group) Co., Ltd. Hebei Branch, No. 2 Xiangyi Road, Xinhua District, Shijiazhuang, People's Republic of China ~72: Huifeng LUO;Liang ZOU;Meng LEI;Shifan XU;Xiaoyan ZHANG;Yuhao ZUO;Yuntong LIU;Zhibin XU~ 33:CN ~31:202510015936X ~32:06/01/2025

2025/00837 ~ Complete ~54:AN ELECTRONIC CONTAINER, SYSTEM AND METHOD FOR SHARING INFORMATION OVER AN INSECURE CHANNEL ~71:Dirk Jacobus ACKERMAN, 9 Nyala Street, Buffalo Creek, The Wilds, Pretoriuspark X17, Pretoria, 0042, South Africa ~72: Dirk Jacobus ACKERMAN~ 33:ZA ~31:2023/04664 ~32:24/10/2023

2025/00869 ~ Complete ~54:NOVEL ACC INHIBITORS ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: BAGLEY, Scott William;BOOTSMA, Andrea Nicole;CHOI, Chulho;DOW, Robert Lee;EDMONDS, David James;GARCIA-IRIZARRY, Carmen Noemi;GERSTENBERGER,

Brian Stephen;INGLE, Gajendra;O'BRIEN, Jessica Gloria Katherine;PARIKH, Mihir Dineshkumar;RESCOURIO, Gwenaella Christine;SCHMITT, Daniel Copley~ 33:US ~31:63/393,712 ~32:29/07/2022

2025/00870 ~ Complete ~54:METHOD OF PROCESSING CELLULOSIC WASTE MATERIAL AND DECOLOURED MATERIAL THUS OBTAINED ~71:Infinited Fiber Company Oy, Tekniikantie 14, ESPOO 02150, FINLAND, Finland ~72: NUOPPONEN, Markus;SIREN, Sakari~ 33:FI ~31:20225736 ~32:19/08/2022

2025/00873 ~ Complete ~54:FULL APERTURE CAN END ~71:CROWN PACKAGING TECHNOLOGY, INC., 18410 Crossing Drive, Suite A, United States of America ~72: CHISLETT, Hannah~ 33:GB ~31:2210952.4 ~32:27/07/2022

2025/00876 ~ Complete ~54:COMPOUNDS AS INHIBITORS OF AXL ~71:Arcus Biosciences, Inc., 3928 Point Eden Way, United States of America ~72: BEATTY, Joel Worley;FOLEY, Corinne Nicole;GAL, Balint;LAMANI, Manjunath;LELETI, Manmohan Reddy;MILES, Dillon Harding;PALADUGU, Srinivas;POWERS, Jay Patrick;QU, Shiwei~ 33:US ~31:63/356421 ~32:28/06/2022

2025/00817 ~ Complete ~54:A NECK MUSCLE TRAINER ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Che Li;Chen Jiang;Wei Zhang~

2025/00826 ~ Complete ~54:A SAFE AND SECURED HUMANOID INTERFACE SYSTEM TO CONTROL DATA ACCESS AND METHOD THEREOF ~71:Dr. Amol Potgawantar, Director, Sandip Univesity, Sandip Institute of Technology & Research Center, Mahiravani, Nasik, Maharashtra, 422213, India;Dr. G. Prasanna Lakshmi, Professor & Research Coordinator, Sandip University, Mahiravani, Nasik, Maharashtra, 422213, India;Dr. Pawan R Bhalhare, Professor & Head, Sandip University, Mahiravani, Nasik, Maharashtra, 422213, India;Rakesh Nyayapati, Flat No. 1 – 103, Aparna Kanopy Tulip, Gundlapochampally, Medchal, Hyderabad, Telangana, 500043, India ~72: Dr. Amol Potgawantar;Dr. G. Prasanna Lakshmi;Dr. Pawan R Bhalhare;Rakesh Nyayapati~ 33:IN ~31:202421048859 ~32:26/06/2024

2025/00840 ~ Complete ~54:RISK MANAGEMENT AND ASSESSMENT SYSTEM FOR DIGITAL ECONOMY ~71:NINGBO UNIVERSITY OF FINANCE AND ECONOMICS, 899 Xueyuan Road, Ningbo City, People's Republic of China ~72: JIN, Pengwei~

2025/00847 ~ Complete ~54:BACILLUS VELEZENSIS AND APPLICATION THEREOF IN GRAPE BIOLOGICAL CONTROL AND BACTERIAL FERTILIZER ~71:Shandong Academy of Grape, No. 1-27, Shanda South Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: HAN Xing;JIANG Xilong;LI Tinggang;LIU Qibao;WANG Chundong;WEI Yanfeng;YIN Xiangtian;YUAN Lifang~

2025/00858 ~ Complete ~54:REDUCING SYSTEM ENERGY REQUIREMENTS THROUGH FLUID MANIPULATION TO OVERCOME CAPILLARY FORCES OF GAS BUBBLE FORMATION ON REACTIVE SURFACES ~71:MARINE DOLPHIN ENTERPRISES, LLC, 63 LINCOLN ROAD, SCARSDALE, NEW YORK 10583, USA, United States of America ~72: FAHRLÄNDER, Klaus;KENNEY, Michael;SANTOS, Bruce~ 33:US ~31:63/392,059 ~32:25/07/2022;33:US ~31:63/397,942 ~32:15/08/2022

2025/00865 ~ Complete ~54:ANTI-TL1A ANTIBODIES FOR THE TREATMENT OF ULCERATIVE COLITIS AND CROHN'S DISEASE ~71:CEPHALON LLC, 145 Brandywine Parkway, West Chester, Pennsylvania, 19380, United States of America ~72: ALEXANDRA KROPOTOVA;ANDRIJANA RADIVOJEVIC;SHYAM BHASKERBHAI MEHTA;STANISLAV STOYANOV~ 33:US ~31:63/369,591 ~32:27/07/2022;33:US ~31:63/387,786 ~32:16/12/2022

2025/00877 ~ Complete ~54:ELIMINATION DEVICE FOR WATER HAMMER EFFECT OF ENERGY-CONSUMING SUBMARINE FLOW CONVEYING PIPELINE ~71:Fuzhou University, No. 2 Wulongjiang North Avenue, Fuzhou University Town, Fuzhou City, People's Republic of China ~72: Xu Pu;Yang Dingying;Zhan Changxun;Zhang Siqian;Zhang Ting~ 33:CN ~31:2023117507436 ~32:19/12/2023

2025/00820 ~ Complete ~54:DETECTION EQUIPMENT FOR DETECTING PRINTING QUALITY OF PRINTED PAPER PRODUCTS ~71:Zhongshan Dafu Packaging Printing Co., Ltd., Building B-5 of Heshao Hua Factory, East 7th Team Industrial Zone, Tong'An Avenue, Tong'An Village, Dongfeng Town, Zhongshan, Guangdong, People's Republic of China ~72: Huijiang Gan~

2025/00825 ~ Complete ~54:SYSTEM FOR MUNICIPAL ROAD DRAINAGE ~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: CHEN Weili;LI Hui;LI Mingyu;LIU Bingqian;YIN Zhenyu~

2025/00831 ~ Complete ~54:FOLDING PORTABLE TOILET ~71:BORWA OCCUPATIONAL HEALTH AND SAFETY SOLUTIONS (PTY) LTD, 5446 Jeff Masemola Street Tembisa, Johannesburg, Gauteng, 1632, South Africa ~72: OBAKENG RAKUMAKOE~ 33:ZA ~31:2024/00802 ~32:24/01/2024

2025/00836 ~ Complete ~54:NEW REAL-TIME DETECTION METHOD FOR FOOD FOREIGN MATTER BASED ON FLEXIBLE FEATURE MATCHING LEARNING ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shanxi Province, 710000, People's Republic of China ~72: Bo YUAN;Jiangang DING;Jiaqi SHI;Lili PEI;Wei LI;Yihui SHAN;Yiquan DU~ 33:CN ~31:2024119686863 ~32:30/12/2024

2025/00839 ~ Complete ~54:A PREPARATION METHOD OF BUDDHA'S HAND WITH COUGH-RELIEVING AND ASTHMA-RELIEVING FUNCTIONS AND ITS APPLICATION ~71:HANSHAN NORMAL UNIVERSITY, Qiaodong, Xiangqiao District, Chaozhou, People's Republic of China;JIAZHONG PHARMACEUTICALS HEALTH TECHNOLOGY (GUANGDONG) CO., LTD, Room 701, Building 1, No. 9 Lianye Road, Hongmei Town, Dongguan, People's Republic of China ~72: FANG, Chaodan;HUANG, Yongping;LIU, Yaqun;SUN, Yanjie;YANG, Peikui;ZHANG, Zhenxia;ZHENG, Yuzhong~

2025/00849 ~ Complete ~54:NATURAL MEDICINE EXTRACT SEPARATION AND EXTRACTION DEVICE ~71:Suzhou University, No. 49 Bianhe Middle Road, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Wang Jing~

2025/00821 ~ Complete ~54:AN ISOTHERMAL AMPLIFICATION DETECTION METHOD FOR RAPID DETECTION OF FOWLPOX VIRUS BASED ON A FLUORESCENT PROBE ~71:Zhejiang Academy of Agricultural Sciences, No. 198, Shiqiao Road, Shangcheng District, Hangzhou City, Zhejiang Province, 310021, People's Republic of China ~72: Cun Zhang;Jionggang Hua;Liu Chen;Suxin Huo;Tao Yun;Weicheng Ye;Yinchu Zhu;Yuan Fu;Zheng Ni~

2025/00842 ~ Complete ~54:MULTI-MOVING-TARGET CAPTURE AND TRACKING DEVICE ~71:Xinyu University, No. 2666, Xinyu Sunshine Avenue, Jiangxi Province, China, 338000, People's Republic of China ~72: Azlan Ismail;Liao Zhongming;Xi Jun;Xu Xiuhong;Xu Zhaosheng~

2025/00845 ~ Complete ~54:STORAGE DEVICE FOR SPECIMEN COLLECTION ~71:Nantong Tumor Hospital, No. 30, Tongyang North Road, Pingchao Town, Tongzhou District, Nantong City, Jiangsu Province, 226361, People's Republic of China ~72: Liu Jibin~

2025/00834 ~ Complete ~54:METHOD AND DEVICE FOR EVALUATING SKID RESISTANCE PERFORMANCE OF ASPHALT PAVEMENT BASED ON MULTI-FACTOR COUPLING ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shanxi Province, 710000, People's Republic of China

~72: Bo YUAN;Jun HAO;Lili PEI;Xueli HAO;Yuanjiao HU;Yuhan WENG;Zhaoyun SUN;Zhenzhen XING~ 33:CN
~31:2024106045315 ~32:15/05/2024

2025/00841 ~ Complete ~54:ASSEMBLE INDOOR WALL FINISHING PANEL ~71:Xinyu University, No. 2666
Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Fan
Dongjiao;Ma Caiwei;Xu Li;Zeng Wenlin;Zhang Yuqing~

2025/00846 ~ Complete ~54:FUSED REFRACTORY MATERIAL FOR IRON AND STEEL SMELTING,
PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:Tian Shizhong, No. 1801, Building
A, Huijingtai, Xinhua Street, Fushun City, Liaoning Province, People's Republic of China ~72: Tian Shizhong~

2025/00850 ~ Complete ~54:ASSEMBLE TYPE WALLBOARD SUPPORTING DEVICE FOR WALL
DECORATION ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province,
338000, People's Republic of China ~72: Fan Dongjiao;Ma Caiwei;Xu Li;Zeng Wenlin;Zhang Yuqing~

2025/00853 ~ Complete ~54:VETERINARY COMPOSITIONS OF MODIFIED VIRUS-LIKE PARTICLES OF CMV
AND NGF ANTIGENS ~71:SAIBA ANIMAL HEALTH AG, Bahnhofstrasse 13, Switzerland ~72: TARS,
Kaspars;ZELTINS, Andris~ 33:EP ~31:22192929.2 ~32:30/08/2022;33:EP ~31:22197365.4 ~32:23/09/2022

2025/00859 ~ Complete ~54:SYSTEM AND METHOD FOR REFURBISHING A WIND TURBINE ~71:VINDMARK
TECHNOLOGIES AB, c/o Lars Mattila, Värtavägen 55, 115 38, Sweden ~72: LYRNER, Tomas;MATTILA, Lars~
33:SE ~31:2250798-2 ~32:28/06/2022

2025/00878 ~ Provisional ~54:FR33LUMINOVAQ3UNCY ~71:JOHN KUTUMELA, PHAKE RANKAILA, South
Africa ~72: JOHN KUTUMELA~

2025/00874 ~ Complete ~54:BATTERY SAMPLING ASSEMBLY AND BATTERY PACK ~71:BATTERO TECH
CORPORATION LIMITED, Room 202, Building 1, No. 9855 Puwei Road, Fengxian District, People's Republic of
China ~72: BAO, Han;ZHENG, Lin~ 33:CN ~31:202210840740.0 ~32:18/07/2022

2025/00852 ~ Complete ~54:MODIFIED VIRUS-LIKE PARTICLES OF CMV ~71:SAIBA ANIMAL HEALTH AG,
Bahnhofstrasse 13, Switzerland ~72: TARS, Kaspars;ZELTINS, Andris~ 33:EP ~31:22192929.2
~32:30/08/2022;33:EP ~31:22197365.4 ~32:23/09/2022

2025/00854 ~ Complete ~54:WILDLIFE DETECTION, DETERRENT, AND SELF-CLEANING SYSTEM AND
METHOD FOR ENVIRONMENTAL INSTRUMENTATION ~71:PROA HOLDINGS PTY LTD, 45 Whitehorse Road,
Balwyn, Australia ~72: CLARKE, William;DEPOORTER RUELLE, Victor;KNOX, Alistair~

2025/00857 ~ Complete ~54:COMPOUNDS AND METHODS FOR MODULATING HER2 ~71:IAMBIC
THERAPEUTICS, INC., 5627 Oberlin Drive, Suite 120, United States of America ~72: BOTROUS, Iriny;DENNIS,
Joseph;DERRICOTTE, Wallace;GOMEZ, Laurent;KULYK, Svitlana;WRIGHT, Shawn~ 33:US ~31:63/373,172
~32:22/08/2022;33:US ~31:63/399,989 ~32:22/08/2022;33:US ~31:63/507,357 ~32:09/06/2023

2025/00861 ~ Complete ~54:SULFOXIMINE COMPOUND HAVING FGFR INHIBITORY EFFECT,
PHARMACEUTICAL COMPOSITION COMPRISING SAME, AND USE THEREOF ~71:KINOTECK
THERAPEUTICS CO., LTD, Room 201, Unit 1, No. 35 Sicheng Road, Tianhe District, Guangzhou, Guangdong,
510630, People's Republic of China ~72: DAWEI MA;HUIQIONG LI;JIAGUO LI;PINGLIAN WU;SHAOHUA
CHANG;XIAOFEI CHEN;XIAOMEI REN;YINHUI WU~ 33:CN ~31:202210798720.1 ~32:06/07/2022

2025/00828 ~ Complete ~54:PROSPECTING METHOD FOR COBALT AND NICKEL ~71:No.1 Exploration
Institute of Geology Resources of Qinghai Province, 232 Ping'an Avenue, Ping'an District, Haidong City, Qinghai
Province, 810600, People's Republic of China ~72: CHEN, Sulong;DUO, Deying;GUO, Wei;LI, Jian;LI,

Peigeng;LI, Peng;LI, Yulian;LIU, Xiufeng;SONG, Zhongning;WANG, Bin;WANG, Chao;WANG, Lei;XIE, Hailin;ZHANG, Zhengzhi;ZHAO, Zongxiao~

2025/00833 ~ Complete ~54:A METHOD FOR CALIBRATION OF THREE-DIMENSIONAL DEPTH MODALITY DEVIATIONS IN PAVEMENT SURFACES ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shanxi Province, 710000, People's Republic of China ~72: Bo YUAN;Jiaqi SHI;Lili PEI;Wei LI;Xueli HAO;Yansong WANG~ 33:CN ~31:2024119371670 ~32:26/12/2024

2025/00827 ~ Complete ~54:MONOCLONAL ANTIBODY AGAINST CHICKEN TIPE1 GENE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:JIANGXI AGRICULTURAL UNIVERSITY, 1101 Zhimin Avenue, Nanchang City, Jiangxi Province, People's Republic of China ~72: CAO Huabin;CHENG Xinyi;GUO Xiaoquan;HU Guoliang;LIU Ping;XING Chenghong;ZHUANG Yu~

2025/00829 ~ Complete ~54:LIFTING ASSEMBLY FOR DUST CURTAIN OF WORK MACHINE ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, United States of America ~72: CHRISTIANSON, Scott Alan;KRISHNAMOORTHY, Tamilselvan~ 33:US ~31:18/437,319 ~32:09/02/2024

2025/00843 ~ Complete ~54:DATA INTERACTION NETWORK SECURITY SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Li Shiwen;Liu Jinhua;Liu Mingqi;Liu Xueping;Liu Zeqi;Luo Haiyong~

2025/00818 ~ Complete ~54:PORTABLE AND SIMPLE SPINAL FIXATION DEVICE ~71:Central South University Xiangya School of Medicine Affiliated Haikou Hospital, No. 43, Renmin Avenue, Meilan District, Haikou, Hainan Province, People's Republic of China ~72: Chen pengcheng;Deng yingsheng;Huang shisi;Zhu zhenbiao~

2025/00868 ~ Complete ~54:SOLID FORMS OF A ROCK INHIBITOR ~71:Redx Pharma Limited, Block 33, Mereside, Alderley Park, MACCLESFIELD SK10 4TG, UNITED KINGDOM, United Kingdom ~72: ARMER, Richard;BELFIELD, Andrew;JONES, Clifford D.~ 33:GB ~31:2213103.1 ~32:08/09/2022;33:GB ~31:2214708.6 ~32:06/10/2022

2025/00875 ~ Complete ~54:CARBON CAPTURE SYSTEM COMPRISING A GAS TURBINE WITH TWO BURNERS ~71:KARBON CCS GLOBAL LTD, Karaiskaki 38, Kanika Alexander Center, First floor, Office 113B, Cyprus ~72: BØRSETH, Knut Erik;FLEISCHER, Henrik (deceased)~ 33:US ~31:17/861,845 ~32:11/07/2022

2025/00814 ~ Provisional ~54:HOTSPOT-AFRICA: CLOUD-BASED NETWORK MANAGEMENT SOFTWARE, ADVANCED WI-FI ROUTER AND INTEGRATED MOBILE APPLICATION AND E-COMMERCE WEBSITE ~71:Thato Morwe, 1044 B.R Semaushu Road, South Africa ~72: Thato Morwe~

2025/00815 ~ Provisional ~54:MY PETROL PAL MEMBERSHIP PLANS ~71:Lommi Vuma, No 2 Firdale Road Sea Point, 161 Blackburn Road Durban North, Cape Town, 8005, South Africa ~72: Lommi Vuma~

2025/00819 ~ Complete ~54:DEVICE FOR HYDROGEN PRODUCTION BY CO-GASIFYING OF SLUDGE AND BIOMASS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Road, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: DONG Shanshan;FU Haoka;JIN Junjie;LIU Yu;SONG Yanping;ZHAO Lixia~

2025/00824 ~ Complete ~54:INTELLIGENT FINANCIAL ROBOT BASED ON BIG DATA ~71:Jinggangshan University, Jinggangshan University, No. 28 Xueyuan Road, Qingyuan District, Ji'an City, Jiangxi Province, 343009, People's Republic of China ~72: LIU, Zhongbing;PENG, Wei;WANG, Yan;XIONG, Yuan;ZENG, Qiongfang;ZENG, Ruiheng;ZHOU, Shiqin~

2025/00830 ~ Complete ~54:RESTRAINING SYSTEM ~71:Cranium Medical Products (Pty) Ltd, 87 Dam Road, Anderbolt, BOKSBURG 1459, SOUTH AFRICA, South Africa ~72: CLIFFE, Allen~ 33:ZA ~31:2023/09977 ~32:26/10/2023

2025/00835 ~ Complete ~54:METHOD AND DEVICE FOR REPAIRING THREE-DIMENSIONAL POINT CLOUD DATA OF ASPHALT PAVEMENT TEXTURE ~71:CHANG'AN UNIVERSITY, Middle-section of Nan'er Huan Road, Yanta District, Xi'an City, Shanxi Province, 710000, People's Republic of China ~72: Bo YUAN;Jun HAO;Lili PEI;Xueli HAO;Yingbin GU;Yuanjiao HU,;Yuhan WENG;Zhaoyun SUN~ 33:CN ~31:2024106045334 ~32:15/05/2024

2025/00838 ~ Complete ~54:A PREPARATION METHOD OF ANTHOCYANIN LIPOSOME AND ITS APPLICATION IN COSMETICS ~71:CHAOZHOU WARTKANG MEDICAL TECHNOLOGY CO., LTD, Tiecaiqaopian CAFTFG-01, Fenggang Village, Fengtang Town, Chaoan District, Chaozhou, People's Republic of China;HANSHAN NORMAL UNIVERSITY, Qiaodong, Xiangqiao District, Chaozhou, People's Republic of China ~72: CAI, Lingyu;HUANG, Yisheng;HUANG, Yongping;LIU, Yaqun;NIE, Ying;YUAN, Jingxin;ZHENG, Yuzhong;ZOU, Xianghui~

2025/00844 ~ Complete ~54:PERSONNEL IDENTIFICATION DEVICE FOR HIGHER EDUCATION MANAGEMENT ~71:Xinyu University, No. 2666, Xinyu Sunshine Avenue, Xinyu City, Jiangxi Province, 338000, People's Republic of China ~72: Li Shiwen;Liu Jinhua;Liu Mingqi;Liu Xueping;Liu Zeqi;Luo Haiyong~

2025/00856 ~ Complete ~54:FUEL CELL SYSTEM COMPRISING A FUEL CELL STACK AND A FLOW ASSEMBLY FOR SUPPLYING A MEDIA FLOW TO THE FUEL CELL STACK ~71:AVL LIST GMBH, Hans-List Platz 1, Austria ~72: PÖSCHL, Robert~ 33:AT ~31:A 50573/2022 ~32:28/07/2022

2025/00860 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR RESISTING INFECTION WITH SARS-COV-2 OR MUTANT THEREOF, AND COMBINED DRUG THEREOF ~71:WESTVAC BIOPHARMA CO., LTD., No. 552 Fenghuang Road, Chengdu Tianfu International Bio-Town, Shuangliu District Chengdu, Sichuan, 610000, People's Republic of China ~72: GUANGWEN LU;GUOBO SHEN;JINGYUN YANG;JINLIANG YANG;JIONG LI;LI YANG;PING CHENG;WEI WANG;XIAWEI WEI;YUQUAN WEI;ZHENLING WANG;ZHIWEI ZHAO~ 33:CN ~31:202210802239.5 ~32:07/07/2022;33:CN ~31:202211618137.4 ~32:15/12/2022

2025/00862 ~ Complete ~54:STRUCTURED PACKING ~71:KOCH-GLITSCH LP, 4111 East 37th Street North, Wichita, Kansas, 67220, United States of America ~72: IZAK NIEUWOUDT;SCOTT CLIFFORD~ 33:US ~31:63/394,976 ~32:04/08/2022

2025/00816 ~ Complete ~54:SYSTEM AND METHOD FOR PERFORMING NEAR REAL-TIME NETWORK INFRASTRUCTURE SYNCHRONIZATION USING CONFIGURATION DIFFERENCES ~71:APPVIEWX INC., 222 Broadway, FI 19 - New York, United States of America ~72: MARIYAPPAN, Gopal~ 33:US ~31:63624717 ~32:24/01/2024

2025/00823 ~ Complete ~54:ALPACA-DERIVED NANOBODY AND APPLICATION THEREOF ~71:Shanxi Bethune Hospital, Shanxi Academy of Medical Sciences, 99 Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, 030032, People's Republic of China;Shanxi Province Academy of Traditional Chinese Medicine, 46 Bingzhou West Street, Taiyuan City, Shanxi Province, 030012, People's Republic of China ~72: BAI, Chongzhi;GAO, Yan;JI, Haijie;LI, Fang;LI, Tingyu;SONG, Meiqing;TONG, Ligu;WANG, Ruoyu;WANG, Shu;YANG, Qian;ZHENG, Chen;ZHONG, Qiming~

2025/00855 ~ Complete ~54:FLOW ARRANGEMENT FOR SUPPLYING A MEDIA FLOW TO INLET OPENINGS OF FUEL CELL STACKS ~71:AVL LIST GMBH, Hans-List Platz 1, Austria ~72: PÖSCHL, Robert~ 33:AT ~31:A 50572/2022 ~32:28/07/2022

2025/00864 ~ Complete ~54:SUPPORT CUSHIONS INCLUDING A SUPPORT INSERT SURROUNDED BY FOAM RAILS FOR DIRECTING AIR FLOW, METHODS FOR CONTROLLING SURFACE TEMPERATURE OF SAME, AND METHODS FOR MANUFACTURING SAME ~71:SEALY TECHNOLOGY, LLC, One Office Parkway, Trinity, North Carolina, 27370, United States of America ~72: ALANDA TAR;ERIC LEIBEE;KEVIN TAR;MAGGIE MAE ANDERSON~ 33:US ~31:17/869,509 ~32:20/07/2022

2025/00867 ~ Complete ~54:HOT-ROLLED COMPLEX-PHASE STEEL WITH 800-MPA-GRADE TENSILE STRENGTH AND MANUFACTURING METHOD THEREFOR ~71:Baoshan Iron & Steel Co., Ltd., No. 885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: LIU, Chunsu;WANG, Dong;YANG, Long;ZHANG, Yulong;ZHU, Xiaodong~ 33:CN ~31:202210745059.8 ~32:27/06/2022

2025/00871 ~ Complete ~54:A SENSOR APPARATUS FOR USE IN A TUNNEL ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5 / 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia ~72: VALLATI, Osvaldo~ 33:EP ~31:22196059.4 ~32:16/09/2022

2025/00872 ~ Complete ~54:NOVEL SKIN CARE COMPOSITION FOR THE TREATMENT OF ACNE ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG 22529, GERMANY, Germany ~72: AHLE, Charlotte;FOELSTER, Heike;GALLINAT, Stefan;HUEPEDEN, Jennifer;REUTER, Joern Hendrik~ 33:EP ~31:22187088.4 ~32:26/07/2022;33:EP ~31:22190411.3 ~32:15/08/2022

ASSIGNMENTS IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 (1)

Application Number	Assignor	Assignee
2021/03432	STRIDEBIO, INC.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2011/03187	BIRMINGHAM BARBED TAPE LTD	COCHRANE STEEL PRODUCTS (PTY) LTD
2013/08891	3Z TELEKOM, INC	VIAMI SOLUTIONS, INC.
2018/08402	SENSEN NETWORKS GROUP PTY LTD	ANGEL GROUP CO., LTD.
2019/08094	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2019/08094	CHENANGO ZERO LLC	CHENANGO TWO LLC
2019/08094	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2013/00618	JOHNSON & JOHNSON CONSUMER INC.	CHENANGO ZERO LLC
2013/00618	CHENANGO ZERO LLC	CHENANGO TWO LLC
2013/00618	CHENANGO TWO LLC	CURRAHEE HOLDING COMPANY INC.
2020/06219	HENRIK FLEISCHER and KNUT BORSETH	KARBON CCS LTD
2020/06219	KARBON CCS LTD	KARBON CCS GLOBAL LTD
2022/11140	KARBON CCS LTD	KARBON CCS GLOBAL LTD
2019/05743	ENDO VENTURES UNLIMITED COMPANY	OPERAND PHARMACEUTICALS III LIMITED
2011/04097	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2021/01661	MORPHOSYS AG	INCYTE CORPORATION
2010/05851	IMORPHICS LTD	MAKO SURGICAL CORP.
2014/00327	IMORPHICS LTD	MAKO SURGICAL CORP.
2024/05167	BIONOVA PHARMACEUTICALS (SHANGHAI) LIMITED	BIONOVA PHARMACEUTICALS LTD.

Application Number	Assignor	Assignee
2023/00612	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JINSHI BIOSCIENCES CO., LTD.
2023/01684	SUZHOU JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD.
2021/08630	REGOR PHARMACEUTICALS, INC.	GENENTECH, INC.
2019/04735	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04888	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04916	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04401	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/05651	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/06110	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/05520	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/06110	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/06163	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03109	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02459	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02470	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02471	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02472	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02473	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02474	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2022/12363	BEIJING YISHENG BIOTECHNOLOGY CO., LTD.	LIAONING YISHENG BIOPHARMA CO., LTD.
2023/08307	HENAN UNIVERSITY OF URBAN CONSTRUCTION	HENAN PINGMEI SHENMA NYLON ENGINEERING TECHNOLOGY CO., LTD
2021/08927	SHANDONG ZHONGKE-JIAYI BIOENGINEERING CO., LTD.	MINSHENG ZHONGKE JIAYI (SHANDONG) BIOTECHNOLOGY CO., LTD.
2023/08243	HENAN UNIVERSITY OF URBAN CONSTRUCTION	HENAN PINGMEI SHENMA NYLON ENGINEERING TECHNOLOGY CO., LTD
201905220	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04886	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02549	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.

Application Number	Assignor	Assignee
2019/04936	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02483	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/07229	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02480	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04934	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02482	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04887	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/05274	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03267	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04053	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04230	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04231	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04232	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04223	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02935	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04221	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02944	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02555	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02552	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02729	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04656	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/05218	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/05193	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03712	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03714	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03713	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.

Application Number	Assignor	Assignee
2019/03672	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03673	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/03423	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04928	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02551	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/04928	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02554	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02559	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02488	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02481	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02490	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02560	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2019/02557	ADVANCED NEW TECHNOLOGIES CO., LTD.	ANTCHAIN TECHNOLOGY PTE. LTD.
2022/00387	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/00387	ALKERMES	MURAL ONCOLOGY, INC.
2022/03567	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/03567	ALKERMES PLC	MURAL ONCOLOGY, INC.
2022/08113	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/08113	ALKERMES PLC	MURAL ONCOLOGY, INC.
2022/11126	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/11126	ALKERMES PLC	MURAL ONCOLOGY, INC.
2022/12194	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/12194	ALKERMES PLC	MURAL ONCOLOGY, INC.
2022/12125	ALKERMES PHARMA IRELAND LIMITED	ALKERMES PLC
2022/12125	ALKERMES PLC	MURAL ONCOLOGY, INC.
2023/09564	ALKERMES, INC.	ALKERMES PLC
2023/09564	ALKERMES PLC	MURAL ONCOLOGY, INC.
2015/09307	CURADIGM SAS	NANOBIOTIX SA
2017/04103	CURADIGM SAS	NANOBIOTIX SA
2008/02237	INTERMUNE INC	HOFFMANN-LA ROCHE AG
202400534	MEDSHINE DISCOVERY INC.	USYNOVA PHARMACEUTICALS LTD.
2022/10321	ALPHA BIOPESTICIDES LIMITED	BAYER CROPSCIENCE SCHWEIZ AG

Application Number	Assignor	Assignee
2014/00839	RISE RESEARCH INSTITUTES OF SWEDEN AB	INCIPIENTUS ULTRASOUND FLOW TECHNOLOGIES AB
2009/01875	BASF ENZYMES LLC	DANSTAR FERMENT AG
2015/07836	RHYS JAMES COUZYN	JOHNSON OUTDOORS INC.
2020/01288	ULTRA BP LLC	ORCHARD ULTRASOUND INNOVATION LLC
2020/02618	MINOAN MEDICAL	DISA MEDINOTEC (PTY) LTD
2021/09762	INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMAL HUSBANDRY SCIENCES	INNER MONGOLIA DAGONG GRASS AND LIVESTOCK CO., LTD.
2021/08475	QINGDAO AGRICULTURAL UNIVERSITY	SHANDONG JIAYAO AGRICULTURE AND ANIMAL HUSBANDRY DEVELOPMENT CO., LTD.
2023/09068	REVOLT TECHNIQUES (PTY) LTD	MPIMO ARCHIBALD MDAKA
2021/08478	QINGDAO AGRICULTURAL UNIVERSITY	SHANDONG JIAYAO AGRICULTURE AND ANIMAL HUSBANDRY DEVELOPMENT CO., LTD.
2020/05232	RHYS JAMES COUZYN	JOHNSON OUTDOORS INC.
2016/02129	UNIVERSITY OF PRETORIA	HEARX SA (PTY) LTD
2020/01862	BEKKER, KEVIN (DECEASED)	BEKKER, ALETTA MARIA
2017/01975	ODYSSEY HEALTH, INC.	ORAGENICS, INC.
2014/04793	PEROSPHERE PHARMACEUTICALS INC.	COVIS PHARMA GMBH
2015/03631	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2022/12628	SIEMENS PROCESS SYSTEMS ENGINEERING LIMITED	SIEMENS INDUSTRY SOFTWARE LIMITED
2015/04060	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2016/07833	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2015/04058	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2021/01869	SYMION AUTOMATION AND ENERGY (PTY) LTD	APEX INVERTERS (PTY) LTD
2023/03769	SYMION AUTOMATION AND ENERGY (PTY) LTD	APEX INVERTERS (PTY) LTD
2021/03895	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2020/04310	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2019/00337	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2020/04309	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2015/03632	CIVITAS THERAPEUTICS, INC	MERZ PHARMACEUTICALS, LLC
2016/00226	SHANGHAI JUNSHI BIOSCIENCES CO., LTD. and JUNMENG BIOSCIENCES CO., LTD.	SHANGHAI JUNSHI BIOSCIENCES CO., LTD
2013/08281	ENEL PRODUZIONE S.P.A.	ENEL GLOBAL THERMAL GENERATION S.R.L.
2023/09572	ROOIKAT RECYCLING (PTY) LTD	ROOIKAT PROJECTS (PTY) LTD
2013/08281	ENGLOBAL THERMAL GENERATION S.R.L.	ENEL GREEN POWER S.P.A.
2011/05887	JOHNSON & JOHNSON DO BRASIL INDUSTRIA E COMERCIO DE PRODUTOS PARA SAUDE LTDA.	JNTL CONSUMER HEALTH (BRAZIL) LTDA.
2011/05892	JOHNSON & JOHNSON DO BRASIL INDUSTRIA E COMERCIO	JNTL CONSUMER HEALTH (BRAZIL) LTDA.

Application Number	Assignor	Assignee
	DE PRODUTOS PARA SAUDE LTDA.	
2017/06345	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/00908	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2016/08861	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2016/07760	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/05971	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2009/05971	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2009/05971	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2009/05971	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2008/04946	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2008/04946	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2008/04946	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2008/04946	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2006/10234	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2006/10234	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2006/10234	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2006/10234	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/01937	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2009/01937	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2009/01937	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2009/01937	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/06641	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2009/06641	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2009/06641	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2009/06641	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/04518	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2009/04518	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2009/04518	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2009/04518	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2009/00539	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2009/00539	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2009/00539	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2009/00539	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2015/04933	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2011/05981	JOHNSON & JOHNSON DO BRASIL INDUSTRIA E COMERCIO DE PRODUTOS PARA SAUDE LTDA.	JNTL CONSUMER HEALTH (BRAZIL) LTDA.
2015/03450	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2010/01576	BASF CATALYSTS LLC	BASF LEC CATALYSTS LLC
2010/01576	BASF LEC CATALYSTS LLC	BASF CATALYSTS HOLDING, LLC
2010/01576	BASF CATALYSTS HOLDING, LLC	BASF CORPORATION
2021/10761	SHANDONG ACADEMY OF AGRICULTURAL SCIENCES	SHANDONG TINGWANG AGRICULTURAL TECHNOLOGY CO., LTD.
2017/00236	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/0237	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/01199	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/01901	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/00940	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/01224	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC

Application Number	Assignor	Assignee
2019/02306	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/01227	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/01417	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/02845	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2021/02671	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2012/05262	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/04682	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/00320	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/04477	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/00085	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/05242	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/06978	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/07086	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/06903	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/03525	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2020/06104	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/06530	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/00236	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/00237	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/01199	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2017/01901	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/00940	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/06690	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/07704	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2019/00504	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/00086	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/03900	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2018/00580	BASF CORPORATION	BASF MOBILE EMISSIONS CATALYSTS LLC
2021/07514	OCEANERGY AG	3MFUTURE LTD
2020/03308	OCEANERGY AG	3MFUTURE LTD
2011/05886	JOHNSON & JOHNSON DO BRASIL INDUSTRIA E COMERCIO DE PRODUTOS PARA SAUDE LTDA.	JNTL CONSUMER HEALTH (BRAZIL) LTDA.
2022/06367	OCEANERGY AG	3MFUTURE LTD
2013/02520	TOTAL S A	TOTALENERGIES ONETECH
2024/08705	APOGEE BIOLOGICS, INC.	APOGEE THERAPEUTICS, INC.
2013/08825	TOTAL S A	TOTALENERGIES ONETECH
2019/05335	BIOVERACTIV US INC.	RECORDATI UK LIMITED
2022/10400	UNIVERSITY OF SOUTHERN CALIFORNIA	CHAUDHARY, PREET M.
2022/10400	CHAUDHARY, PREET M.	ANGELES THERAPEUTICS, INC.
2011/05890	JOHNSON & JOHNSON DO BRASIL INDUSTRIA E COMERCIO DE PRODUTOS PARA SAUDE LTDA.	JNTL CONSUMER HEALTH (BRAZIL) LTDA.
2022/04740	MORPHOSYS AG	INCYTE CORPORATION

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2022/02423	ACCELERATED AG TECHNOLOGIES, LLC	POWEPOLLEN, INC.
2019/08094	CURRAHEE HOLDING COMPANY INC.	JOHNSON & JOHNSON CONSUMER INC.
2016/04464	ARGENX BVBA	ARGENX BV
2019/05743	ENDO VENTURES LIMITED	ENDO VENTURES UNLIMITED COMPANY
2019/05743	OPERAND PHARMACEUTICALS III LIMITED	ENDO OPERATIONS LIMITED
2015/03792	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/07785	BAYER ANIMAL HEALTH GMBH	ELANCO ANIMAL HEALTH GMBH
2020/07952	BAYER ANIMAL HEALTH GMBH	ELANCO HEALTH GMBH
2020/07786	BAYER ANIMAL HEALTH GMBH	ELANCO HEALTH GMBH
2021/03467	BAYER ANIMAL HEALTH GMBH	ELANCO HEALTH GMBH
2024/09062	SCHENCK PROCESS EUROPE GMBH	QLAR EUROPE GMBH
2022/08956	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG	KNDS DEUTSCHLAND GMBH & CO. KG
2021/05518	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG	KNDS DEUTSCHLAND GMBH & CO. KG
2012/02387	HAYASHIBARA CO., LTD.	NAGASE VIITA CO., LTD.
2014/02839	HAYASHIBARA CO., LTD.	NAGASE VIITA CO., LTD.
2013/07116	HAYASHIBARA CO., LTD.	NAGASE VIITA CO., LTD.
2023/06856	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2023/04896	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2014/00839	SP TECHNICAL RESEARCH INSTITUTE OF SWEDEN	RISE RESEARCH INSTITUTES OF SWEDEN AB
2024/07308	ASKLEPIOS BIOPHARMACEUTICALS, INC.	ASKBIO INC.
2024/07307	ASKLEPIOS BIOPHARMACEUTICALS, INC.	ASKBIO INC.
2024/06760	ASKLEPIOS BIOPHARMACEUTICALS, INC.	ASKBIO INC.
2024/09975	SUNOVION PHARMACEUTICALS INC.	SUMITOMO PHARMA AMERICA, INC.
26468019/0	SUNOVION PHARMACEUTICALS INC.	SUMITOMO PHARMA AMERICA, INC.
2023/00224	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2023/06857	SCHENCK PROCESS AUSTRALIA PTY LIMITED	SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED
2023/10572	ARMGO PHARMA, INC.	RYCARMA THERAPEUTICS, INC.
2023/06663	ARMGO PHARMA, INC.	RYCARMA THERAPEUTICS, INC.
2023/05178	ARMGO PHARMA, INC.	RYCARMA THERAPEUTICS, INC.
2014/07499	ARMGO PHARMA, INC.	RYCARMA THERAPEUTICS, INC.
2010/05956	ARMGO PHARMA, INC.	RYCARMA THERAPEUTICS, INC.
2022/07849	ASKLEPIOS BIOPHARMACEUTICALS, INC.	ASKBIO INC.
2023/06462	ASKLEPIOS BIOPHARMACEUTICALS, INC.	ASKBIO INC.

Application Number	In the name of	New name
2021/05517	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG.	KNDS DEUTSCHLAND GMBH & CO. KG
2015/09308	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG.	KNDS DEUTSCHLAND GMBH & CO. KG
2013/05222	KRAUSS-MAFFEI WEGMANN GMBH & CO. KG.	KNDS DEUTSCHLAND GMBH & CO. KG
2020/01288	ULTRA HOM LLC	ULTRA BP LLC
2023/08127	GSK CONSUMER HEALTHCARE SARL	HALEON CH SARL
2012/03156	SAHAJANAND MEDICAL TECHNOLOGIES PRIVATE LIMITED	SAHAJANAND MEDICAL TECHNOLOGIES LIMITED
2015/03628	SAHAJANAND MEDICAL TECHNOLOGIES PRIVATE LIMITED	SAHAJANAND MEDICAL TECHNOLOGIES LIMITED

PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/11547	WITHDRAWN	06/12/2024

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 **ALPLA WERKE ALWIN LEHNER GMBH & CO. KG** whose address for service is **DR GERNTHOLTZ INC, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2022/03975** entitled **EXTRUSION BLOW MOULDED CONTAINER** dated **29/10/2020**, which lapsed on **29/10/2023** 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 **BOEHRINGER INGELHEIM INTERNATIONAL GMBH** whose address for service is **DENNEMEYER & ASSOCIATES, JOHANNESBURG** has applied to the registrar for the restoration of Patent No **2010/08998** entitled **TREATMENT FOR DIABETES IN PATIENTS INAPPROPRIATE FOR METFORMIN THERAPY** dated **05/08/2009**, which lapsed on **05/08/2023** 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 PATENTS UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: CHIESI FARMACEUTICI S.P.A. of VIA PALERMO, 26/A, 43122, PARMA, ITALY. Request permission to amend the specification of letters patent no: **2022/07717** of **12 JULY 2022** for **PRESSURISED METERED DOSE INHALERS COMPRISING A BUFFERED PHARMACEUTICAL FORMULATION**

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: CHIESI FARMACEUTICI S.P.A. OF VIA PALERMO, 26/A, 43122, PARMA, ITALY. Request permission to amend the specification of letters patent no: **2022/08111** of **20 JULY 2022** for **PRESSURISED METERED DOSE INHALERS COMPRISING A BUFFERED PHARMACEUTICAL FORMULATION**

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00**. Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18

months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

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

Registrar of Patents

21: 2009/08894. 22: 2009/12/14. 43: 2024/11/18

51: A61K; A61P

71: BAYER INTELLECTUAL PROPERTY GmbH, Merck & Cie KmG

72: STROTHMANN, Kai, SMITH, Gavin Welch, KING, Kristina, MOSER, Rudolf, PIETRZIK, Klaus

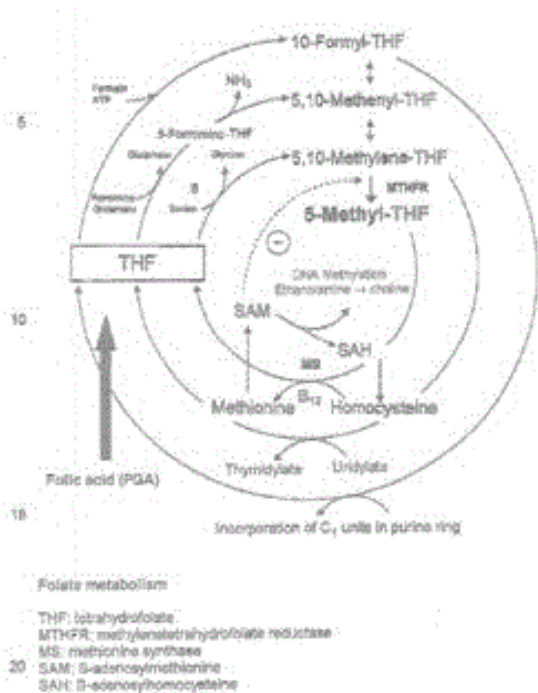
33: DE 31: 102005023301.5 32: 2005-05-13

54: PHARMACEUTICAL COMPOSITION CONTAINING GESTAGENS AND/OR ESTROGENS AND 5-METHYL-(6S)-TETRAHYDROFOLATE

00: -

The present invention relates to a pharmaceutical composition which comprises progestogens, preferably drospirenone, estrogens preferably ethinylestradiol and 5-methyl- (6S) –tetrahydrofolate, can be employed as oral contraceptive and moreover prevents disorders caused by folate deficiency in the consumers, in particular cardiovascular disorders and, after conception of the embryo, congenital malformations caused by folate deficiency such as, for example, neural tube defects, ventricular valve defects, urogenital defects, and cleft lip, jaw and palate, without masking the symptoms of vitamin B12 deficiency, and at the

same time even in the case of homozygous or heterozygous polymorphism of methylenetetrahydrofolate reductase facilitates unimpaired utilizability of the folate component 5-methyl- (6S) –tetrahydrofolate by the body and thus its biological activity for preventing the abovementioned congenital malformations caused by folate deficiency. In addition, a prolonged protective effect is maintained after discontinuation of the contraceptive.



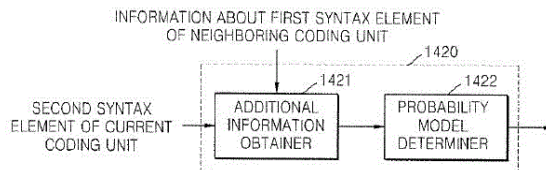
21: 2011/02599. 22: 2011/04/07. 43: 2024/11/18
 51: A61K; A61P; C07K
 71: AC Immune S.A., Genentech, Inc.
 72: PFEIFER, Andrea, PIHLGREN, Maria, MUHS (deceased), Andreas, WATTS, Ryan
 33: US 31: 60/943,509 32: 2007-06-12
54: HUMANIZED ANTIBODIES TO AMYLOID BETA

00: -
 The present application is related to chimeric and humanized antibody and to methods and compositions for the therapeutic and diagnostic use in the treatment of amyloidosis, a group of disorders and abnormalities associated with amyloid protein such as Alzheimer's disease.

21: 2015/02923. 22: 2015/04/29. 43: 2024/11/12
 51: H04N
 71: Samsung Electronics Co., Ltd.
 72: LEE, Tammy, CHEN, Jianle
 33: US 31: 61/503,685 32: 2011-07-01
54: VIDEO DECODING APPARATUS

00: -
 Disclosed are methods and apparatuses for video encoding and decoding. The video encoding method, according to the present invention, comprises: encoding a video on the basis of a hierarchical data unit; determining a context model to be used in entropy-encoding a syntax element of

the data unit on the basis of at least one additional item of information of the data unit; and entropy-encoding the syntax element of the data unit using the determined context model.



21: 2016/04529. 22: 2016/07/04. 43: 2024/11/18
 51: C07C
 71: NOVA Chemicals (International) S.A.
 72: BROWN, Stephen, CARTER, Charles, ZORICAK, Peter, GAO, Xiaoliang, SEVERIN, Holly
 33: CA 31: 2835683 32: 2013-12-05
54: ETHYLENE OLIGOMERIZATION WITH MIXED LIGANDS

00: -
 The selective oligomerization of ethylene to produce a mixture comprising octene and hexene is conducted in the presence of a catalyst system comprising a source of chromium; two different P-N-P ligands and an activator. The phosphorus atoms of both ligands have ortho-fluoro phenyl substituents. The nitrogen atom of the first ligand has an isopropyl substituent. The nitrogen of the second ligand has a larger/bulkier hydrocarbyl substituent on the N atom. The hexene produced by the process of this invention has very high alpha selectivity.

21: 2016/06135. 22: 2016/09/05. 43: 2024/11/15
 51: A61K; C07D
 71: LES LABORATOIRES SERVIER
 72: GU, CHONG-HUI
 33: US 31: 61/953,487 32: 2014-03-14
 33: US 31: 62/081,542 32: 2014-11-18
54: PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS

00: -
 Provided are compounds and pharmaceutical compositions useful for treating cancer and methods of treating cancer comprising administering to a subject in need thereof a compound or pharmaceutical composition described herein.

21: 2016/06434. 22: 2016/09/19. 43: 2025/01/14
 51: A61M; B05B; B23K; B29C; G06M

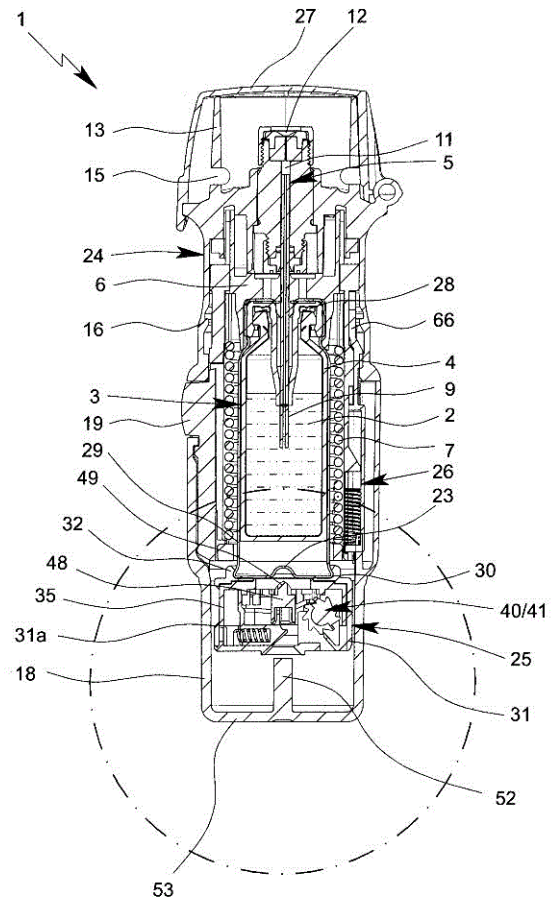
71: BOEHRINGER INGELHEIM INTERNATIONAL GMBH
 72: EICHER, Joachim, GRAESSL, Herbert, JANETZKO, Mike, JUNG, Andree, MEISENHEIMER, Martin, WACHTEL, Herbert, WINKLER, Robert, Gerhard, WUTTKE, Gilbert, YU, Ying

33: EP 31: 14001603.1 32: 2014-05-07
 33: EP 31: 14003283.0 32: 2014-09-23

54: CONTAINER, NEBULIZER AND USE

00: -

A container (3), a nebulizer (1) and a use of an indicator device (25) are proposed. The container contains a fluid (2) and an indicator device for counting and/or indicating a number of uses performed or still possible with the container. The indicator device comprises an indicator housing (31) which is inseparably connected with a housing (29) of the container opposite to an outlet or head (28) of the container. The indicator device may be fixedly mounted on the bottom of the container. The container is arranged and moveable axially within the nebulizer and can be detached by grabbing the indicator device. The nebulizer has a nebulizer housing (24) and a housing part (18) that can be detached from the nebulizer housing or opened for replacing the container together with the indicator device, which is separable from the nebulizer housing.



21: 2017/06596. 22: 2017/10/02. 43: 2024/11/18
 51: A47G

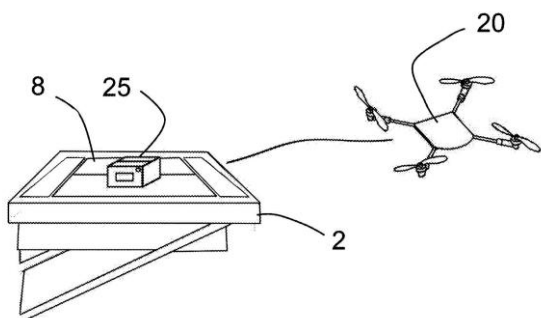
71: VALQARI HOLDINGS, LLC
 72: WALSH, Ryan, FALESCH, Alexander J.
 33: US 31: 61/923,207 32: 2014-01-02

54: LANDING PAD FOR UNMANNED AERIAL VEHICLE DELIVERY

00: -

A landing pad receives and stores packages delivered from an aerial vehicle are awaiting pickup from an aerial vehicle. The landing pad can be placed outside of a window and can contain a transmitter for sending out an identification signal via radio frequency to aid aerial vehicles in finding the landing pad. The landing pad contains a landing platform with a trapdoor that leads to a storage compartment. The trapdoor can be configured to only open when it receives a signal from an authorized aerial vehicle. The storage compartment can be accessed via a storage compartment door which can contain a locking mechanism. The storage compartment can be climate controlled. The

landing pad can also have a transmitter that emits sounds to discourage animals from nesting on or near the landing pad. The landing pad can also include a solar power generator as a source of electrical energy.



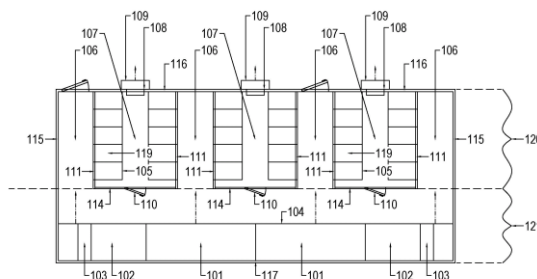
21: 2017/08645. 22: 2017/12/19. 43: 2024/11/18
 51: C07D
 71: Idorsia Pharmaceuticals Ltd
 72: LESCOP, Cyrille
 33: PCT/EP(CH) 31: 2015/061153 32: 2015-05-20
54: CRYSTALLINE FORM OF THE COMPOUND (S)-3-{4-[5-(2-CYCLOPENTYL-6-METHOXY-PYRIDIN-4-YL)-[1,2,4]OXADIAZOL-3-YL]-2-ETHYL-6-METHYL-PHENOXY}-PROPANE-1,2-DIOL

00: -
 The present invention relates to a crystalline form of the compound (S)-3-{4-[5-(2-cyclopentyl-6-methoxy-pyridin-4-yl)-[1,2,4]oxadiazol-3-yl]-2-ethyl-6-methyl-phenoxy}-propane-1,2-diol.

21: 2018/01087. 22: 2018/02/16. 43: 2024/11/18
 51: H05K
 71: Revolver 26 Investment Corporation
 72: LECKELT, Lindsey, VETSCH, Ryan, BOUDREAU, Benoit
 33: US 31: 62/213,605 32: 2015-09-02
54: INTEGRATED HIGH DENSITY SERVER VAULT WITH HVAC UPS BACKUP

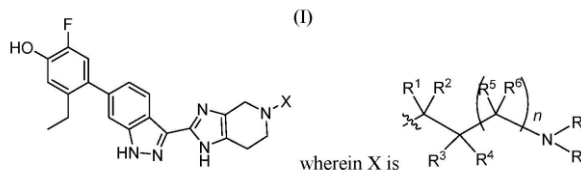
00: -
 The present invention relates in general to an Integrated High Density Server Vault (or "HDSV") system containing the necessary mechanical and electrical infrastructure for the installation, operation and cooling of heat generating data processing equipment within a scalable manufactured environment which includes, but is not limited to, computing and electrical equipment. The disclosure relates in particular to the equipment application as it

pertains to units adapted for rapid deployment of computing and electrical equipment.



21: 2018/02496. 22: 2018/04/16. 43: 2024/11/12
 51: A61K; A61P; C07D
 71: Theravance Biopharma R&D IP, LLC
 72: FATHEREE, Paul R., JACOBSEN, John R., BEAUSOLEIL, Anne-Marie, BRANDT, Gary E.L., FLEURY, Melissa, JIANG, Lan, SMITH, Cameron, SULLIVAN, Steven D.E., VAN ORDEN, Lori Jean, COLSON, Pierre-Jean, FASS, Gene Timothy, RAPTA, Miroslav, BENJAMIN, Noah, DABROS, Marta, THALLADI, Venkat R.
 33: US 31: 62/250,113 32: 2015-11-03
54: JAK KINASE INHIBITOR COMPOUNDS FOR TREATMENT OF RESPIRATORY DISEASE

00: -
 The invention provides compounds of formula (I) wherein X is (I) and the variables are defined in the specification, or a pharmaceutically-acceptable salt thereof, that are useful as JAK kinase inhibitors. The invention also provides pharmaceutical compositions comprising such compounds, methods of using such compounds to treat respiratory diseases, and processes and intermediates useful for preparing such compounds.



21: 2018/03207. 22: 2018/05/15. 43: 2024/10/29
 51: G01N
 71: B.R.A.H.M.S. GmbH
 72: VIGUÉ, Bernard, RAFI-NIKOUKHAH, Homa
 33: EP(DE) 31: 15196754.4 32: 2015-11-27
54: MR-proADM AS MARKER FOR THE EXTRACELLULAR VOLUME STATUS OF A SUBJECT

00: -

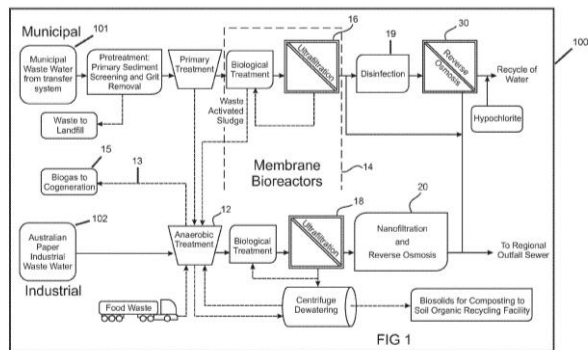
The present invention relates to a method for determining the extracellular volume status of a subject. The method comprises determining in a sample obtained from a subject the level of the marker proadrenomedullin (proADM) or a fragment thereof, preferably MR-proADM. Further, based on the level of proADM or a fragment thereof, the fluid balance is determined and wherein said fluid balance determines the extracellular volume status. Further, based on the level of proADM or a fragment thereof, the salt balance is determined and wherein said salt balance determines the extracellular volume status and salt retention. Further, the invention relates to a method for in vitro diagnosis, risk stratification, therapy control and/or operative control of a disorder or medical condition in a subject, wherein said extracellular volume status and salt retention of said subject is determined by the herein provided method. Further, the invention relates to a kit and/or a diagnostic device for carrying out the herein provided method.

21: 2018/04363. 22: 2018/06/28. 43: 2024/11/18
 51: B01D; C02F
 71: Central Gippsland Region Water Corporation
 72: HODGKINSON, Andrew
 33: AU 31: 2016900045 32: 2016-01-07

54: A MEMBRANE SEPARATION PROCESS

00: -

A membrane separation process is described. The process comprises pumping of a fluid stream through a membrane module to produce a permeate during a plurality of membrane operating cycles. Each membrane operating cycle comprises a filtration cycle and a relaxation cycle. Concentration polarisation is controlled during the process by controlling duration of filtration cycles and relaxation cycles to relatively short duration to maintain the degree of concentration polarisation below a target.



21: 2018/06105. 22: 2018/09/12. 43: 2024/11/18
 51: B01J; C07C
 71: Dalian Institute of Chemical Physics, Chinese Academy of Sciences
 72: PAN, Xiulian, YANG, Junhao, JIAO, Feng, ZHU, Yifeng, BAO, Xinh
 33: CN 31: 201610397763.3 32: 2016-06-07
54: CATALYST AND METHOD FOR SYNTHESIS OF AROMATIC HYDROCARBONS THROUGH DIRECT CONVERSION OF SYNTHESIS GAS

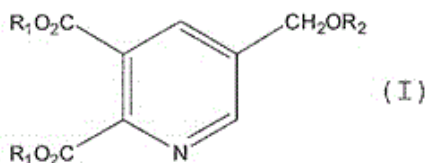
00: -

The present invention relates to the field of manufacturing aromatic hydrocarbons using a synthesis gas, and specifically relates to a catalyst and a method for manufacturing aromatic hydrocarbon by directly converting the synthesis gas. The method uses the synthesis gas as the primary reactant and raw material, and implements conversion reaction on a fixed bed or a moving bed. The catalyst is a composite of a catalyst A and a catalyst B, wherein the catalyst A and the catalyst B are mechanically mixed to form the composite. The active component of catalyst A is an active metal oxide. The catalyst B is one or more of a ZSM-5 molecular sieve or a metal-decorated ZSM-5. The synthesis gas is subjected to a pressure of 0.1-6 MPa, a reaction temperature of 300-600°C, and a flow speed of 500-8,000 h⁻¹. The reaction process has an extremely high product yield and selectivity, with the selectivity for an aromatic hydrocarbon reaching 50-85%, while the selectivity for a methane side product is less than 15%. The invention has excellent potential for future applications.

21: 2019/03756. 22: 2019/06/11. 43: 2024/11/14
 51: C07D
 71: ADAMA AGAN LTD.
 72: KUSNIEC, TZURIT, TZOR, OMER, YACOVAN, AVIHAI
 33: US 31: 62/424,888 32: 2016-11-21
54: PROCESS FOR PREPARING METHOXY METHYL PYRIDINE DICARBOXYLATE

00: -

The present invention provides a process for preparing a compound of the formula (I): wherein each occurrence of R₁ is a C₁-C₄alkyl; and R₂ is C₁-C₄alkyl.



21: 2019/05371. 22: 2019/08/14. 43: 2024/12/11

51: A61K; C07D; A61P

71: RQX PHARMACEUTICALS, INC., GENENTECH, INC.

72: SMITH, Peter Andrew, ROBERTS, Tucker Curran, HIGUCHI, Robert I., PARASELLI, Prasuna, KOEHLER, Michael F. T., SCHWARZ, Jacob Bradley, CRAWFORD, James John, LY, Cuong Q., HANAN, Emily J., HU, Huiyong, CHEN, Yongsheng, YU, Zhiyong, WINSHIP, Paul Colin Michael, MCCLEOD, Calum, BLENCH, Toby

33: WO 31: PCT/CN2017/073575 32: 2017-02-15

33: WO 31: PCT/CN2017/085075 32: 2017-05-19

54: MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS

00: -

Provided herein are antibacterial compounds, wherein the compounds in some embodiments have broad spectrum bioactivity. In various embodiments, the compounds act by inhibition of bacterial type 1 signal peptidase (SpsB), an essential protein in bacteria. Pharmaceutical compositions and methods for treatment using the compounds described herein are also provided.

21: 2019/05895. 22: 2019/09/06. 43: 2024/11/15

51: A61K

71: CERUS CORPORATION

72: DAVID, TOVO, DONNELLY, BETSY, ERICKSON, ANNA, MUFTI, NAHEED

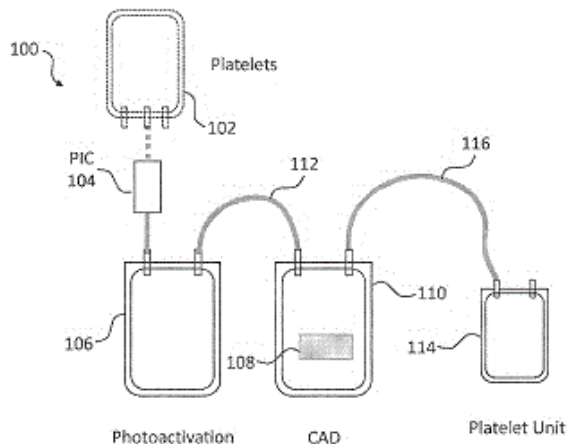
33: US 31: 62/467,021 32: 2017-03-03

33: US 31: 62/622,127 32: 2018-01-25

54: KITS AND METHODS FOR PREPARING PATHOGEN-INACTIVATED PLATELET COMPOSITIONS

00: -

Provided are methods for preparing pathogen-inactivated platelet compositions, as well as processing sets and compositions related thereto.



21: 2019/06009. 22: 2019/09/11. 43: 2024/11/14

51: C22B

71: METSO METALS OY

72: GÜNTNER, JOCHEN, CHARITOS, ALEXANDROS, HAMMERSCHMIDT, ING. JÖRG

33: EP 31: PCT/EP2017/055336 32: 2017-03-07

54: PROCESS AND APPARATUS FOR ROASTING OF METAL SULFIDE CONCENTRATES AND/OR RESIDUES

00: -

The invention describes a process for roasting of metal concentrate. Concentrate particles are fed into a roaster where they are thermally treated at a temperature in the range of 500 and 1200°C in a fluidized bed to form a calcine. At least parts of the calcine are withdrawn from the roaster together with a gas stream as a solid fraction. Concentrate particles with a diameter at least 50% smaller than the average diameter of the concentrate particles are separated as small particles and/or that particles from the gas-solid-fraction are separated in at least one step as small calcine particles and/or that particles are gained in another hydrometallurgical step as other particles. The small particles and/or at least part of the small calcine particles and/or at least parts of the other particles are pelletized, whereby at least 80% of the pellets feature a diameter of at least 80% of the concentrate particles average diameter. The pellets are fed into the roaster.

21: 2019/06217. 22: 2019/09/19. 43: 2024/11/14

51: B65G; G01H; G06F; G01M

71: CMTE DEVELOPMENT LIMITED

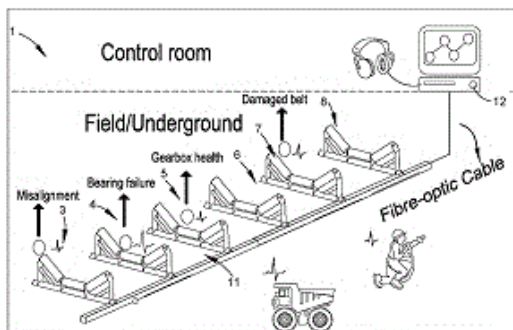
72: WILSON, PAUL, BROOKS, TIMOTHY, GIANG, LONG, HOEHN, KARSTEN, LOFGREN, MICHAEL

33: AU 31: 2017900583 32: 2017-02-22

54: OPTICAL ACOUSTIC SENSING SYSTEM AND METHOD

00: -

A method of measuring the state or condition of a plurality of spatially spaced apart machine parts subject to wear and emitting an acoustic signature, the method including the steps of: (a) optically sensing the acoustic properties of the plurality of machine parts subject to wear, and deriving sensed signals there from, (b) dividing the sensed signals into a first series of corresponding spatial segments along the spaced apart machine parts and, for each spatial segment, dividing the sensed signal into a temporal segment recording the acoustic properties for the spatial segment over an extended time period; (c) dividing each temporal segment into a series of sub-segments and frequency domain transforming the sub-segments into corresponding frequency domain sub-segments; (d) combining the frequency domain sub-segments within a spatial segment, to produce a corresponding lower noise level combined frequency domain sub segment; and (e) determining the fundamental frequency of the emitted acoustic signatures present in the combined frequency domain sub segment, and associated harmonics.



21: 2019/06257. 22: 2019/09/20. 43: 2024/11/15

51: C12Q; A01N; A01P

71: FRESH CHECK LTD.

72: BOND, ALEXANDER, SIMPSON, JOHN, PEACH, ROBERT

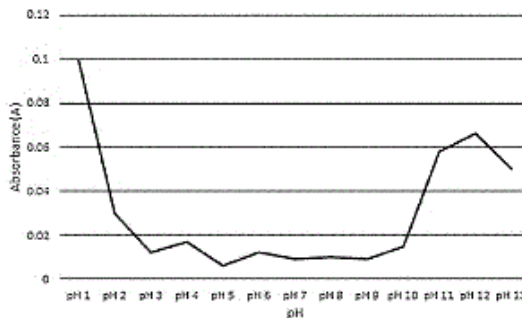
33: GB 31: 1705407.3 32: 2017-04-04

54: COLOUR CHANGING COMPOSITIONS

00: -

The present invention relates to compositions comprising a metal, a metal aggregation inhibitor, and a colour changing agent. The metal is bindable

to the colour changing agent to provide a change in colour on binding and/or release thereof.



21: 2019/06327. 22: 2019/09/25. 43: 2024/11/15

51: C07D; A61P; A61K

71: COCRYSTAL PHARMA, INC.

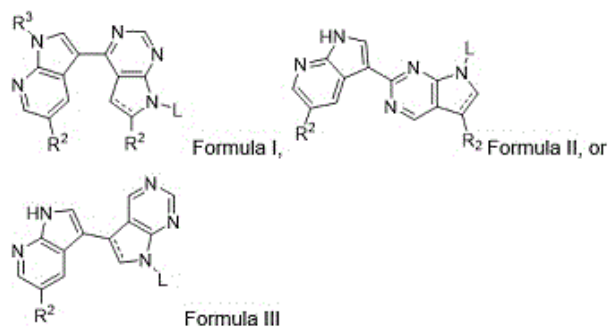
72: JACOBSON, IRINA C, FEESE, MICHAEL DAVID, LEE, SAM SK

33: US 31: 62/489,167 32: 2017-04-24

54: PYRROLOPYRIMIDINE DERIVATIVES USEFUL AS INHIBITORS OF INFLUENZA VIRUS REPLICATION

00: -

Methods of inhibiting the replication of influenza viruses in a biological sample or patient, of reducing the amount of influenza viruses in a biological sample or patient, and of treating influenza in a patient, comprises administering to said biological sample or patient a safe and effective amount of a compound represented by any of Formulas I-III, or a pharmaceutically acceptable salt thereof. A pharmaceutical composition comprises a safe and effective amount of such a compound or pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier, adjuvant or vehicle.



21: 2019/07052. 22: 2019/10/25. 43: 2024/11/18

51: A61K; C07D

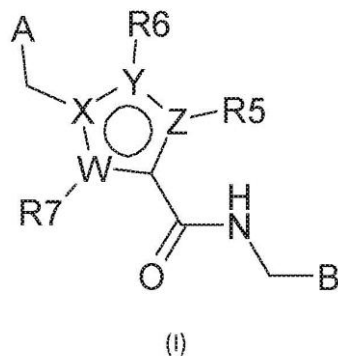
71: KalVista Pharmaceuticals Limited
 72: DAVIE, Rebecca Louise, EDWARDS, Hannah Joy, EVANS, David Michael, HODGSON, Simon Teanby

33: GB 31: 1421083.5 32: 2014-11-27

54: N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS

00: -

The present invention provides compounds of formula (I): (I) compositions comprising such compounds; the use of such compounds in therapy (for example in the treatment or prevention of a disease or condition in which plasma kallikrein activity is implicated); and methods of treating patients with such compounds; wherein R5, R6, R7, A, B, W, X, Y and Z are as defined herein.



21: 2019/07395. 22: 2019/11/07. 43: 2024/12/10

51: A61K; A61P

71: TESARO, INC., MERCK SHARP & DOHME B.V.

72: BOBILEV, Dmitri, DEZUBE, Bruce, SUN, Peng, FERGUSON, Andrew, R.

33: US 31: 62/503,879 32: 2017-05-09

33: US 31: 62/508,359 32: 2017-05-18

33: US 31: 62/556,255 32: 2017-09-08

33: US 31: 62/634,789 32: 2018-02-23

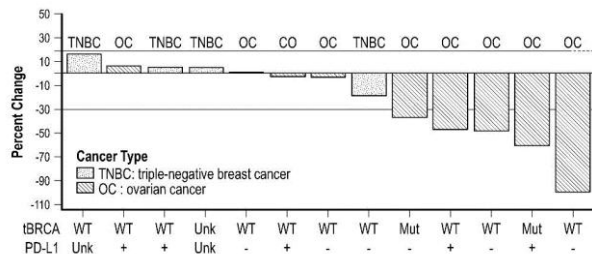
33: US 31: 62/646,332 32: 2018-03-21

33: US 31: 62/648,327 32: 2018-03-26

54: COMBINATION THERAPIES FOR TREATING CANCER

00: -

The present invention provides methods of treatment for recurrent cancer(s) through combination therapy with an agent that inhibits programmed death- 1 protein (PD-1) signaling and an agent that inhibits poly [ADP-ribose] polymerase (PARP) signaling.



21: 2019/07543. 22: 2019/11/14. 43: 2024/12/11

51: C07K; A61P

71: PFIZER INC.

72: DETTLING, Danielle Elizabeth, KRISHNAMOORTHY, Veena, POULSEN, Kristian Todd, SOMMER, Cesar, Adolfo, YEUNG, Yik, Andy

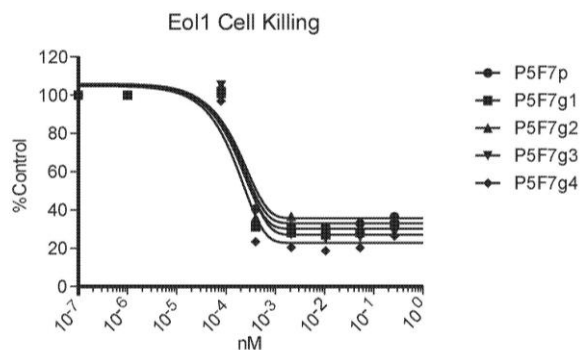
33: US 31: 62/514,574 32: 2017-06-02

33: US 31: 62/660,908 32: 2018-04-20

54: ANTIBODIES SPECIFIC FOR FLT3 AND THEIR USES

00: -

The present invention provides antibodies that specifically bind to FLT3 (Fms- Like Tyrosine Kinase 3). The invention further provides bispecific antibodies that bind to FLT3 and another antigen (e.g., CD3). The invention further relates to antibody encoding nucleic acids, and methods of obtaining such antibodies (monospecific and bispecific). The invention further relates to therapeutic methods for use of these antibodies for the treatment of FLT3-mediated pathologies, including cancer such as Acute Myeloid Leukemia (AML).



21: 2020/00873. 22: 2020/02/11. 43: 2024/12/09

51: B60P

71: AUSTIN ENGINEERING LIMITED

72: HALL, Jamie Vincent Clarke, GREESHAW, Lyndon Brian

33: AU 31: 2019253774 32: 2019-10-21

54: IMPROVEMENTS TO TRUCK BODIES

00: -

A truck body is disclosed which is able to be mounted to a truck in such a way that the truck body can pivot relative to the truck between a lowered, travel orientation and a raised, dumping orientation. The truck body has a material carrying region, and the material carrying region has: a floor surface, and a curved transition (“the floor-to-front-wall-transition”) between the floor surface and a surface forming a front wall portion of the material carrying region. The radius of curvature of at least a portion of the floor-to-front-wall-transition is two meters or greater, which may help to reduce material carry-back.

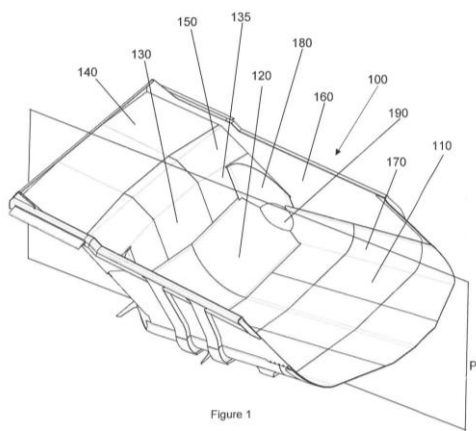


Figure 1

21: 2020/02281. 22: 2020/05/04. 43: 2024/11/12
 51: A23K
 71: Novozymes A/S
 72: HAAHR, Laerke Tvedebrink, HOFF, Tine, OESTERGAARD, Peter Rahbek
 33: EP(DK) 31: 17189061.9 32: 2017-09-01
54: ANIMAL FEED ADDITIVES COMPRISING A POLYPEPTIDE HAVING PROTEASE ACTIVITY AND USES THEREOF

00: -
 The present invention relates to animal feed or animal feed additives comprising polypeptides having protease activity and uses thereof. It also relates to the methods for producing the proteases and for using the proteases to improve animal performance and the nutritional value of an animal feed.

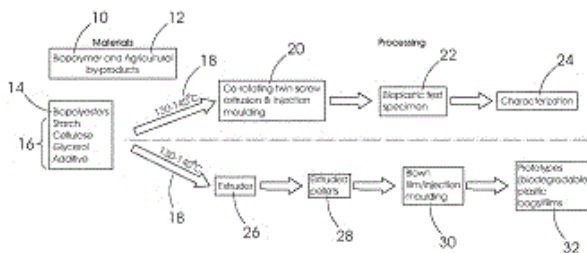
21: 2020/03408. 22: 2020/06/08. 43: 2024/12/05
 51: G01N
 71: BLINK AG

72: ELLINGER, Thomas, HUBOLD, Stephan, LONCAREVIC, Ivan, SCHULZ, Torsten, STEINMETZER, Katrin, ERMANTRAUT, Eugen, KANITZ, Lea, LEMUTH, Oliver
 33: EP 31: 17211031.4 32: 2017-12-29
54: A MICROCAPSULE FOR DETECTING AND/OR QUANTITATING AN ANALYTE IN A SAMPLE

00: -
 The present invention relates to a microcapsule for detecting and/or quantitating an analyte in a sample. Furthermore, the invention relates to a method of detecting and/or quantitating an analyte in a sample using said microcapsule. Moreover, the present invention relates to a method of preparing microcapsules for detecting and/or quantitating an analyte in a sample.

21: 2020/05476. 22: 2020/09/02. 43: 2024/11/15
 51: C08L
 71: CSIR
 72: MUNIYASAMY, SUDHAKAR, OFOSU, OSEI, MTIBE, ASANDA, ANANDJIWALA, RAJESH D
 33: GB 31: 1801978.6 32: 2018-02-07
54: BIODEGRADABLE PLASTIC

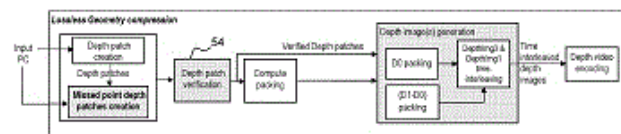
00: -
 This invention relates to a biodegradable plastic and a process for producing the biodegradable plastic from bio-based polymers and agricultural by-products renewable resource based. The biodegradable plastic is produced in a process comprising melt blending a polymer blend comprising or consisting of polybutylene succinate (PBS); and at least one other bio-based polymer. The other bio-based polymer may be a biopolyester such as polybutylene adipate co-terephthalate (PBAT) or polylactic acid (PLA) or poly hydroxy butyrate (PHB) or thermoplastic starch which may be modified.



21: 2020/05703. 22: 2020/09/14. 43: 2024/11/14

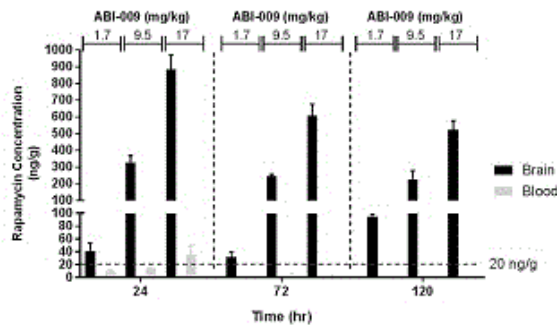
51: H04N
 71: INTERDIGITAL VC HOLDINGS, INC.
 72: CHEVET, JEAN-CLAUDE, OLIVIER, YANNICK, CAI, KANGYING
 33: EP 31: 18306132.4 32: 2018-08-23
 33: EP 31: 18305431.1 32: 2018-04-11
54: A METHOD AND APPARATUS FOR ENCODING/DECODING A POINT CLOUD REPRESENTING A 3D OBJECT

00: -
 At least one embodiment relates to a method comprising obtaining an occupancy information indicating if blocks of a 2D regular grid defined over a projection plane are associated with depth information of an orthogonal projection of at least one point of a point cloud onto said projection plane; embedding said occupancy information in an image storing said depth information; and encoding said image.



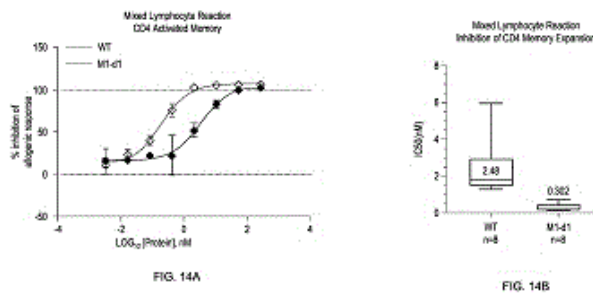
21: 2020/05818. 22: 2020/09/18. 43: 2024/11/15
 51: A61K
 71: ABRAXIS BIOSCIENCE, LLC
 72: DESAI, NEIL P, HOU, SHIHE
 33: US 31: 62/645,634 32: 2018-03-20
 33: US 31: 62/815,346 32: 2019-03-07
54: METHODS OF TREATING CENTRAL NERVOUS SYSTEM DISORDERS VIA ADMINISTRATION OF NANOPARTICLES OF AN MTOR INHIBITOR AND AN ALBUMIN

00: -
 The present application provides methods of treating a CNS disorder (such as glioblastoma and epilepsy) in an individual, comprising systemically (e.g., intravenously or subcutaneously) administering to the individual an effective amount of a composition comprising nanoparticles comprising an mTOR inhibitor (such as a limus drug, such as sirolimus or a derivative thereof) and an albumin, optionally further comprising administering a second agent (such as an anti-VEGF antibody, a proteasome inhibitor, or an alkylating agent).



21: 2020/05875. 22: 2020/09/22. 43: 2024/11/14
 51: C07K
 71: PFIZER INC., THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
 72: CRELLIN, NATASHA KAY, ELY, LAUREN KATE, REYES, JASON ROBLES, HO, CHIA CHI, BLUESTONE, JEFFREY A, TROTTA, ELEONORA, TANG, QIZHI
 33: US 31: 62/650,022 32: 2018-03-29
 33: US 31: 62/783,986 32: 2018-12-21
54: LFA3 VARIANTS AND COMPOSITIONS AND USES THEREOF

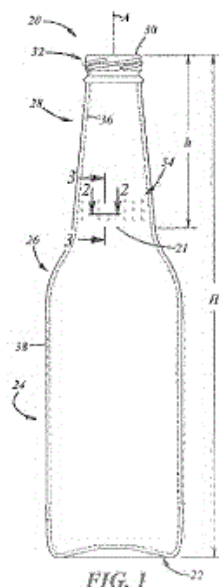
00: -
 The invention provides LFA3 polypeptide molecules, e.g., variant LFA3 fusion polypeptide molecules. The invention includes uses, and associated methods of using the LFA3 polypeptide molecules.



21: 2020/06075. 22: 2020/09/30. 43: 2024/11/15
 51: C03B; B65D
 71: OWENS-BROCKWAY GLASS CONTAINER INC.
 72: GRANT, EDWARD A, PARADA, DELIA NORITH SANCHEZ
 33: US 31: 15/923,856 32: 2018-03-16
54: GLASS CONTAINER WITH EMBOSSED INDICIA

00: -
 A glassforming blank mold (52, 152) having an internal surface (66, 166) and an engraving (64, 164)

in the internal surface, wherein the engraving, in cross section, includes a radially outward surface (74, 174) and sidewalls (76, 78, 176, 178) including fillets (84, 184), and rounds (86, 186), such that the sidewalls are not straight but, instead, are continuously curving and wherein a ratio of radii of the rounds to a radial depth (80) of the engraving is between 3 : 1 and 9 : 1. A method of making a glass container using the mold is also disclosed, as is the glass container (20, 120) itself.



21: 2021/00254. 22: 2021/01/13. 43: 2025/01/03
51: B01D

71: Barend Jacobus BEYLEFELD

72: Barend Jacobus BEYLEFELD

33: ZA 31: 2018/04578 32: 2018-07-10

54: HYDROCARBON SCRUBBER

00: -

A metal or mineral recovery system incorporating a scrubbing system upstream of the process plant through which the slurry is passed to remove hydrocarbons in the slurry.

21: 2021/00548. 22: 2021/01/26. 43: 2024/11/11
51: A47J

71: GLOBAL DESIGNS CO

72: VICTOR, Kingston

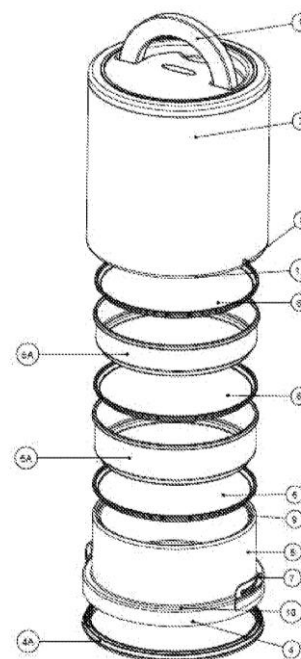
33: IN 31: 201841023949 32: 2018-06-27

54: PORTABLE INSULATED FOOD CONTAINER

00: -

The present invention relates to a portable insulated food container. More particularly the present

invention relates to a portable insulated food container with a greater heat- retaining capacity. The portable insulated food container comprises of a vacuum insulated removable outer cover [3], a vacuum insulated base [4], a vacuum insulated base carrier [5], one or more non-insulated container(s) [6A], one or more detachable lid(s) [6], a supporting base [4A], and one or more interlocking units [7,8]. Advantageously the present invention relates to a portable insulated food container with different shapes like oval, rectangle, square, hexagon, etc and sizes.



21: 2021/00978. 22: 2021/02/12. 43: 2024/10/29
51: A01N

71: UPL LTD

72: DESAI, Sujata Dhondiram, TALATI, Paresh Vithaldas, SHROFF, Jaidev Rajnikant, SHROFF, Vikram Rajnikant

33: IN 31: 201831026276 32: 2018-07-13

54: COMPOSITION COMPRISING EUTECTIC MIXTURE OF BOSCALID AND A STROBILURIN FUNGICIDE

00: -

The present invention relates to a eutectic mixture of boscalid and strobilurin fungicide. Agrochemical compositions comprising a eutectic mixture of boscalid and a strobilurin fungicide and a method of controlling phytopathogenic fungi using said compositions are also provided.

21: 2021/01276. 22: 2021/02/25. 43: 2024/11/11
51: B65D

71: MAUSER-WERKE GMBH

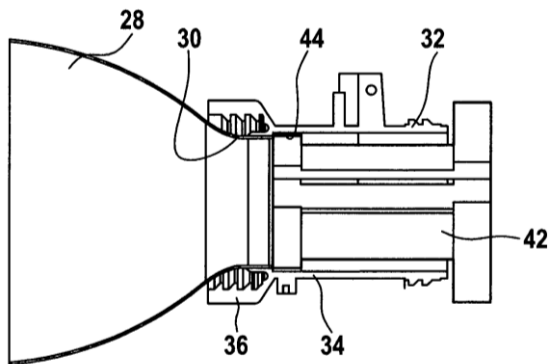
72: WEYRAUCH, Detlev

33: DE 31: 20 2018 004 352.4 32: 2018-09-19

54: PALLET CONTAINER

00: -

The present invention relates to a pallet container (10) for storing and for transporting liquid or free-flowing contents, having a thin-walled rigid inner container (12) made of thermoplastic material, having a tubular lattice frame (14) which, in the form of a supporting casing, tightly encloses the inner plastic container (12) and is made up of horizontal and vertical tubular bars (18, 20) which are welded to one another, and having a rectangular floor pallet (16), on which the inner plastic container (12) rests and to which the tubular lattice frame (14) is solidly connected. In order to keep the inner plastic container (12) free of contents adhering to it, and to render the pallet container (10) suitable for multiple reuse, the inner plastic container (12) is equipped with an easily interchangeable closed module unit (58) made up of an inner liner (28) and a removal fitting (24), wherein the inner liner (28) is rolled up in rod form and inserted into a tubular packing sleeve (56).



21: 2021/01290. 22: 2021/02/25. 43: 2024/11/11
51: H01F

71: NIPPON STEEL CORPORATION

72: MOGI, Hisashi, MIZUMURA, Takahito,

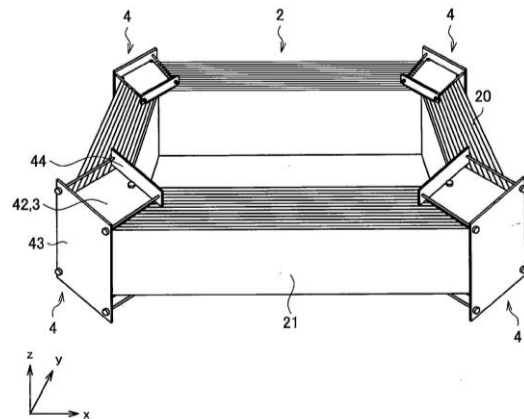
TAKAHASHI, Fumiaki, TAMAKI, Teruyuki

33: JP 31: 2018-187874 32: 2018-10-03

54: MAGNETIC CORE AND TRANSFORMER

00: -

The present invention provides a wound core and a transformer in which iron loss is reduced. The wound core of the present invention is provided with: a core member which is formed of a winding of a first electromagnetic steel plate, is annular in shape when viewed from the side, and has one or more bent portions when viewed from the side; and one or more laminates in which second electromagnetic steel plates are laminated. The laminates are disposed such that a surface thereof formed by the side of the second electromagnetic steel plates is along at least one of surfaces formed by the side of the first electromagnetic steel plate at the bent surface of the core member.



21: 2021/02304. 22: 2021/04/07. 43: 2024/11/05
51: A23L

71: Société des Produits Nestlé S.A.

72: CRAMER, Judith, EGLI, Delphine, JAGGI-

KUYPERS, Danica Anja, RAPP, Monika,

SALVATORE, Delphine Bernadette, SANDERS,

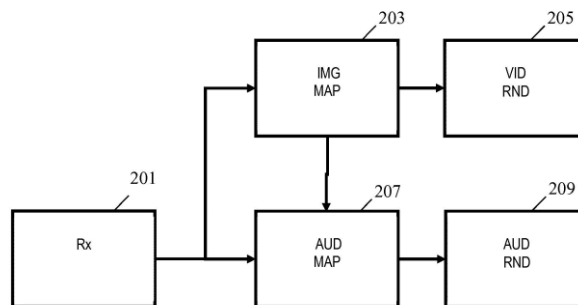
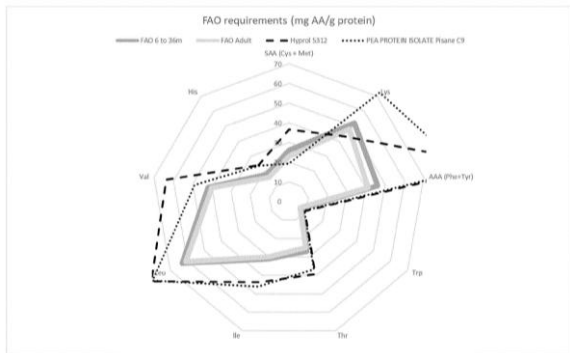
Constantijn Ferdinand Willem, VANCHERI, Hervé

33: EP(CH) 31: 18194945.4 32: 2018-09-17

54: NON-DAIRY DRINK WITH RICE AND PEA PROTEINS

00: -

The present invention relates to a non-dairy drink comprising rice and pea proteins, such as to provide an appropriate nutritional profile and suitable taste.

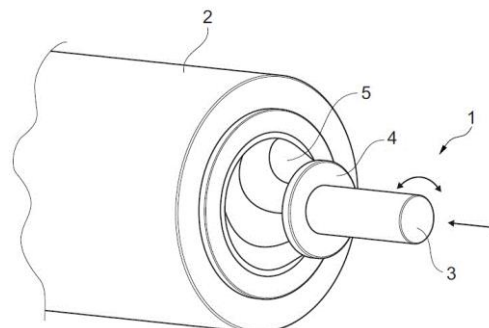


21: 2021/02390. 22: 2021/04/12. 43: 2024/11/05
 51: G06F; G06T; G10L; H04N; H04S
 71: Koninklijke Philips N.V.
 72: DE BRUIJN, Werner Paulus Josephus, KOPPENS, Jeroen Gerardus Henricus
 33: EP(NL) 31: 18194293.9 32: 2018-09-13
54: APPARATUS AND METHOD FOR PROCESSING AUDIOVISUAL DATA

00: -
 An apparatus for processing audiovisual data for a scene comprises a receiver (201) for receiving audiovisual data for the scene. The audiovisual data comprises audio data for the scene comprising a plurality of audio elements and image data for at least a first image of the scene where the first image has a first aspect ratio. An image remapper (203) performs a content dependent non-uniform mapping of the first image to a second image which has a different aspect ratio. The image remapper (207) is arranged to generate mapping data describing the content dependent non-uniform mapping. An audio remapper (207) replaces a first audio element of the plurality of audio elements by a second audio element generated by modifying a spatial property for the first audio element in response to the mapping data. The spatial property being modified may be a position and/or spatial spread of the first audio element.

21: 2021/02401. 22: 2021/04/13. 43: 2024/11/11
 51: H01H; H02B
 71: Eaton Intelligent Power Limited
 72: KHANDELWAL, Apurv, TILAKPURE, Nikhil, KUMAR, Vijay, VAN DIJK, Marcel, CHIMAN, Anand, ARADHYE, Madhura
 33: IN 31: 202011016141 32: 2020-04-14
54: SEALING FOR AN INTERMITTENT AND PARTIAL ROTATING AND TRANSLATING SHAFT

00: -
 The invention relates to a gas insulated switchgear comprising:- a gas-tight housing;- at least one shaft extending through an opening in the gas-tight housing, which shaft is partially rotatable and translatable; and- sealing means arranged in the opening for sealing the shaft relative to the gas-tight housing;wherein the sealing means comprise a sealing bellows having a first mounting rim on one axial end, a second mounting rim on the other axial end and a bellow body in between the first and second mounting rims, wherein a mounting ring is mounted coaxially to the shaft and wherein the sealing bellows is arranged around the shaft and with the first mounting rim to the housing and with the second mounting rim to the mounting ring.



21: 2021/03258. 22: 2021/05/13. 43: 2024/11/08

51: E04D
 71: VAN SCHALKWYK, Johannes Cornelius
 72: WHITE, Terence Maurice
 33: ZA 31: 2018/07998 32: 2018-11-27

54: RAIN GUTTER ASSEMBLY

00: -
 The invention relates to a rain gutter assembly including a gutter (10) and a moving arrangement (16). The moving arrangement (16) is configured to move at least part of the gutter (10) between an operative or rain gathering position and an inverted or discharge position.

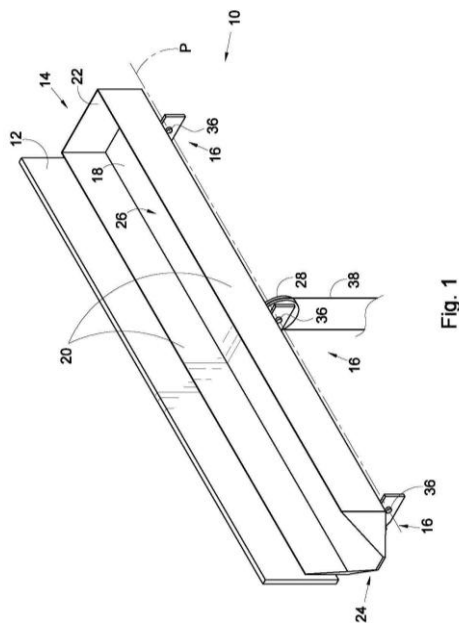
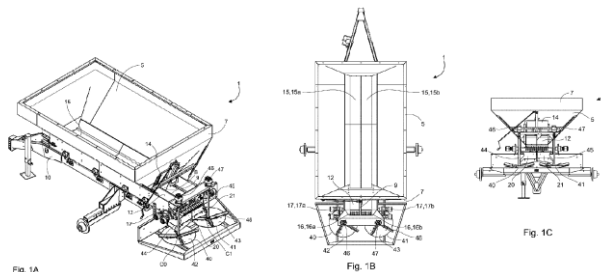


Fig. 1

longitudinally adjust drop points on the drop lines at which the particulate material is dischargeable on to the rotatable disc. Longitudinal adjustment of the drop points along laterally spaced apart drop lines on one spinner disc permits control over spread pattern to help achieve uniform distribution of the particulate material on a ground surface.



21: 2021/03848. 22: 2021/06/04. 43: 2024/10/30
 51: A23C; A23F; A23L
 71: Société des Produits Nestlé S.A.
 72: FU, Jun-Tse Ray, SHER, Alexander A.
 33: US 31: 62/767,008 32: 2018-11-14

54: LIQUID CREAMER

00: -
 The present invention relates to creamers for food products such as coffee and tea. In particular, the invention relates to a liquid creamer comprising casein based protein, pea protein, gellan gum, bicarbonate, citrate and oil. Further aspects of the invention are a beverage comprising a liquid creamer and a process for preparing a liquid creamer.

21: 2021/03529. 22: 2021/05/24. 43: 2024/10/07
 51: A01C; E01C
 71: SALFORD GROUP INC.
 72: GRAY, Geof J., FIELDS, Joshua Scott, OWENBY, Steven Ray, HAGLER, Richard, MCEVER, Russell, HOBSON, Brian
 33: US 31: 62/770,792 32: 2018-11-22

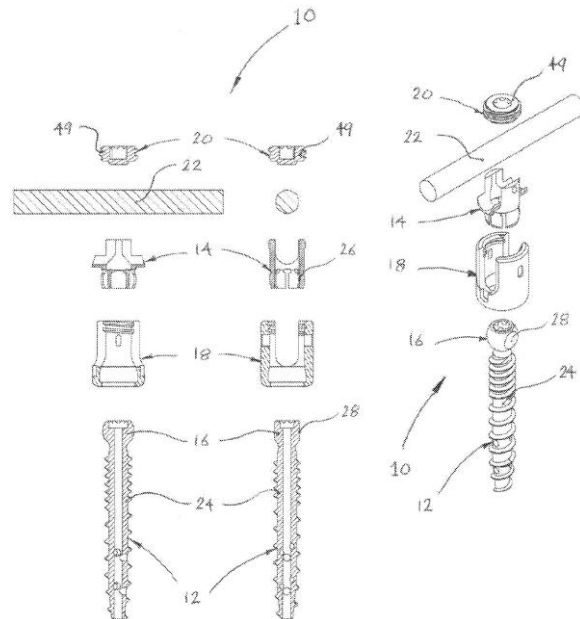
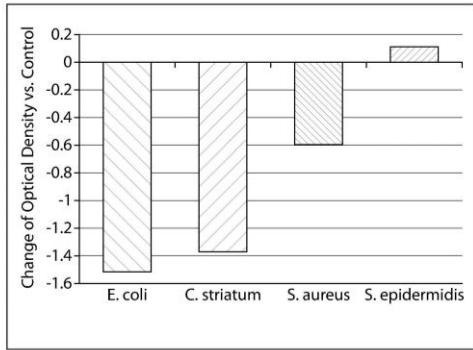
54: FLOW DIVIDER FOR SPINNER SPREADER

00: -
 A longitudinally adjustable flow divider situated in the particulate material path of a spinner spreader between the bin and the rotatable disc divides the particulate material so that the particulate material is dischargeable on to the upper surface of the rotatable disc on first and second laterally spaced apart longitudinally oriented drop lines. An actuator operably connected to the flow divider adjusts a longitudinal position of the flow divider to

21: 2021/03902. 22: 2021/06/07. 43: 2024/11/11
 51: A61K; A61Q
 71: Colgate-Palmolive Company
 72: LI, Min, FAN, Aixing, BOYD, Thomas, SOLIMAN, Nadia, BHARDWAJ, Vinay
 33: US 31: 62/815,494 32: 2019-03-08

54: PERSONAL CARE COMPOSITIONS

00: -
 Described herein are personal care compositions comprising a complex comprising a plurality of short chain fatty acids; along with methods of making and using same.



21: 2021/04114. 22: 2021/06/15. 43: 2024/11/12
 51: A61B
 71: Southern Cross Patents Pty Ltd
 72: MCPHEE, Robert
 33: AU 31: 2018904378 32: 2018-11-16
54: PEDICLE SCREWS

00: -
 The present invention is broadly directed to a modular pedicle screw assembly (10) for immobilisation and stabilisation of spinal segments in a patient (not shown). The modular pedicle screw assembly (10) generally comprises a bone screw (12), a uniaxial inner collet (14) arranged to cooperate with a head (16) of the bone screw (12), a seat (18) arranged to provide seating for retention of the inner collet (14), and an inner collet actuator (20) designed to engage the seat (18) to activate the inner collet (14) for clamping about the head (16) of the bone screw (12).

21: 2021/04202. 22: 2021/06/18. 43: 2024/10/30
 51: A23L; A61K
 71: Société des Produits Nestlé S.A.
 72: GARCIA-RODENAS, Clara Lucia, RAMOS NIEVES, José Manuel
 33: EP(CH) 31: 18209519.0 32: 2018-11-30

54: INFANT NUTRITIONAL COMPOSITION FOR USE IN THE ENHANCEMENT OF PANCREATIC MATURATION AND INSULIN BIOSYNTHESIS

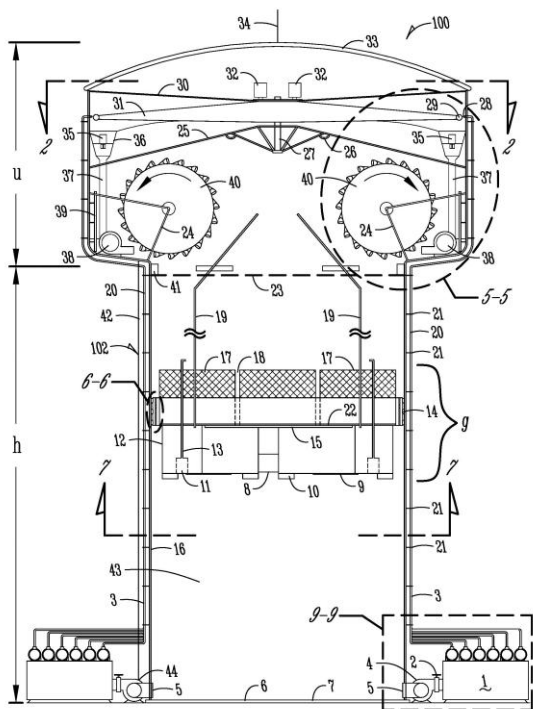
00: -
 This invention relates to nutritional compositions comprising at least one fucosylated oligosaccharide, preferably 2FL, for use in enhancing the pancreatic development and/or pancreatic maturation of infants, and/or the enhancement of the insulin biosynthesis and/or the prevention of metabolic disorder or associated diseases and/or glucose management during the nutritional intervention or later in life. The composition can be an infant formula. The composition can also comprise at least one N-acetylated oligosaccharide, preferably LnNT.

21: 2021/04422. 22: 2021/06/25. 43: 2024/11/11
 51: F03B; F03G
 71: Nosmek Green Solutions, Inc.
 72: EKANEM, Nsisuk Osmund
 33: US 31: 62/786,115 32: 2018-12-28

54: ADVANCED GRAVITY-MOMENT-HYDRO POWER SYSTEM

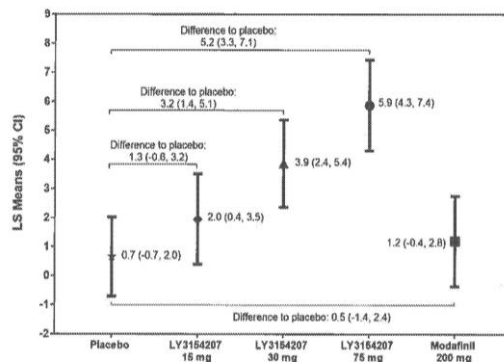
00: -

A power generating system based solely on gravity includes a housing with water in a main chamber. A convertible piston interacts with the water to move to displace the water in a cycle. The displaced water is directed into and through power generating units, with the outputted water from one power generating unit continued towards and through a subsequent power generating unit as the water moves back towards the main chamber of the housing. The water is then able to interact again with the convertible piston to again be displaced through the power generation cycle. At least two separate power generating systems are integrated for uninterrupted power supply for 24hrs per day, 7 day per week and 365 days per year. This cycle continues (not in the concept of perpetual motion), as needed, to create energy that can be used on-demand or otherwise stored for future use.



21: 2021/04466. 22: 2021/06/28. 43: 2024/11/11
 51: A61K; A61P
 71: Eli Lilly and Company
 72: BIGLAN, Kevin Michael, KILEY, Christina Marie, SVENSSON, Kjell Anders Ivan
 33: US 31: 62/781,251 32: 2018-12-18
54: DOSE REGIMENS FOR USE OF LY3154207 IN THE TREATMENT OF DOPAMINERGIC CNS DISORDERS

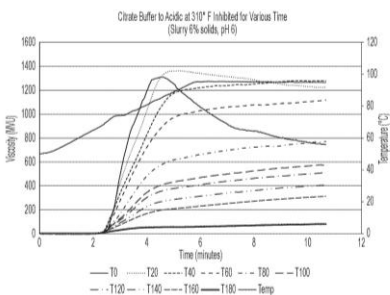
00: -
 The present invention relates to dosing regimens and methods of using LY3154207, also described as 2-(2,6-dichlorophenyl)-1-[(1S,3R)-3-(hydroxymethyl)-5-(3-hydroxy-3-methylbutyl)-1-methyl-3,4-dihydroisoquinolin-2(1H)-yl]ethanone, and/or pharmaceutical compositions thereof, for treatment of dopaminergic central nervous system disorders. Dopaminergic CNS disorders of the present dosing regimen methods include Parkinsons Disease, Alzheimers Disease, Lewy body dementia (LBD), Vascular Dementia, Schizophrenia, ADHD, Depression, Autism, chronic musculoskeletal pain, fibromyalgia, cognitive impairment disorders, sleep disorders, excessive daytime sleepiness, narcolepsy, shift work disorder, traumatic brain injury, chronic traumatic encephalopathy, obesity and appetite regulation, mood disorders, lethargy, apathy, and addiction disorders.



21: 2021/04754. 22: 2021/07/07. 43: 2024/10/29
 51: A23L; C08B
 71: Corn Products Development, Inc.
 72: SHAH, Tarak, LANE, Christopher, SHAH, Kamlesh
 33: US 31: 62/786,066 32: 2018-12-28
54: THERMALLY INHIBITED STARCH AND PROCESS FOR MAKING

00: -
 Improved thermally inhibited starch is disclosed and methods of making such starch are disclosed. In some embodiments a thermally inhibited starch has improved whiteness and flavor. In some embodiments a method for making a thermally inhibited starch includes providing adding a buffer and an acid to a starch to obtain a pH adjusted starch having an acidic pH and thermally inhibiting the pH adjusted starch. The technology further

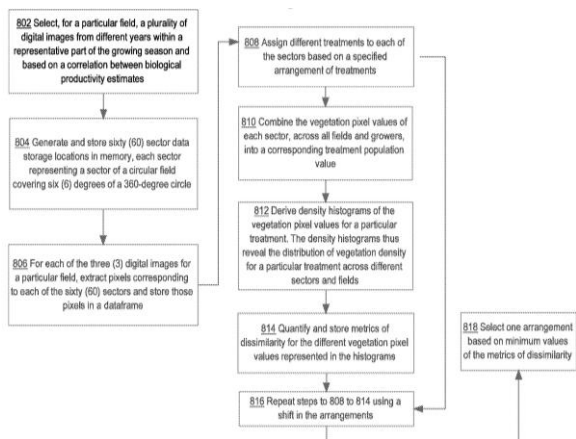
pertains to methods of making the thermally inhibited starch in batch, continuous, continuous-like process or combinations thereof.



21: 2021/04830. 22: 2021/07/09. 43: 2024/10/29
 51: G06T
 71: Climate LLC
 72: DEVECIGIL, Demir, KOVALSKYY, Valeriy
 33: US 31: 62/777,736 32: 2018-12-10

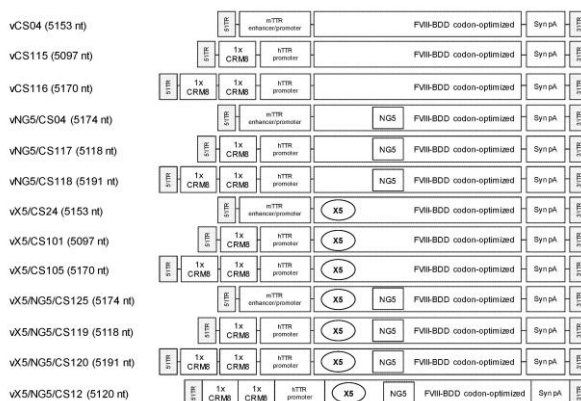
54: IMAGE-BASED IRRIGATION RECOMMENDATIONS

00: -
 Techniques for providing improvements in agricultural science by optimizing irrigation treatment placements for testing are provided, including analyzing a plurality of digital images of a field to determine vegetation density changes in a sector of the field. The techniques proceed by comparing a distribution of pixel characteristics in the digital images for each field sector to determine sectors in which minimal density deviations are present. Instructions for irrigation placements and testing may be displayed or modified based on the results of the sector determinations.



21: 2021/04874. 22: 2021/07/12. 43: 2024/11/11
 51: C07K

71: Takeda Pharmaceutical Company Limited
 72: ROTTENSTEINER, Hanspeter, SCHEIFLINGER, Friedrich
 33: US 31: 62/793,058 32: 2019-01-16
54: VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A
 00: -
 The present disclosure provides, among other aspects, codon-altered polynucleotides encoding Factor VIII variants for expression in mammalian cells. In some embodiments, the disclosure also provides mammalian gene therapy vectors and methods for treating hemophilia A.

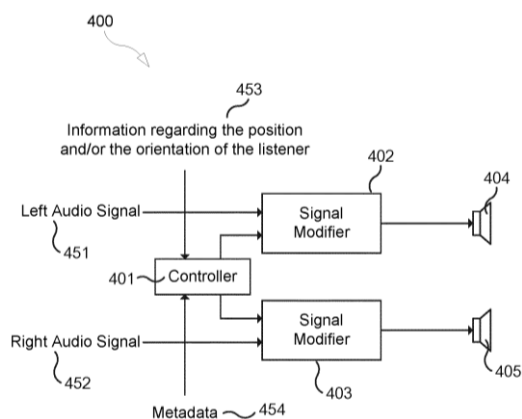


21: 2021/05389. 22: 2021/07/29. 43: 2024/12/09
 51: H04S
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 72: FALK, Tommy, KARLSSON, Erlendur, ZHANG, Mengqiu, JANSSON TOFTGÅRD, Tomas, DE BRUIJN, Werner
 33: US 31: 62/789,617 32: 2019-01-08

54: EFFICIENT SPATIALLY-HETEROGENEOUS AUDIO ELEMENTS FOR VIRTUAL REALITY

00: -
 In one aspect, there is a method for rendering a spatially-heterogeneous audio element. In some embodiments, the method includes obtaining two or more audio signals representing the spatially-heterogeneous audio element, wherein a combination of the audio signals provides a spatial image of the spatially-heterogeneous audio element. The method also includes obtaining metadata associated with the spatially-heterogeneous audio element, the metadata comprising spatial extent information indicating a spatial extent of the audio element. The method further includes rendering the audio element using: i) the spatial extent information

and ii) location information indicating a position (e.g. virtual position) and/or an orientation of the user relative to the audio element.



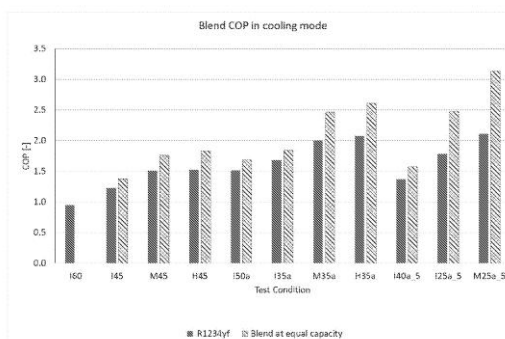
21: 2021/05690. 22: 2021/08/11. 43: 2024/11/12
 51: A61K; A61P
 71: Bio Minerals N.V.
 72: COOLSAET, Boudewijn Louis René André, VAN VOOREN, Christianne Augusta Adolf
 33: EP(BE) 31: 19157526.5 32: 2019-02-15
54: COMBINATION OF SILICON AND MAGNESIUM FOR THE PREVENTION AND TREATMENT OF MUSCLE CRAMPS
 00: -
 Pharmaceutical composition comprising a pharmaceutically effective amount of bioavailable silicon in a daily dose of at least 3 mg elemental silicon, and a pharmaceutically effective amount of a magnesium compound in a daily dose of 50-500 mg elemental magnesium. The composition is used for prevention, inhibition and/or treatment of muscle cramps, such as skeletal muscle cramps.

21: 2021/05746. 22: 2021/08/04. 43: 2024/12/09
 51: C09K
 71: MEXICHEM FLUOR S.A. DE C.V.
 72: LOW, Robert
 33: WO 31: PCT/GB2019/052290 32: 2019-08-14
 33: GB 31: 1901890.2 32: 2019-02-11
 33: GB 31: 1901885.2 32: 2019-02-11
54: COMPOSITIONS
 00: -
 According to the present invention, there is provided a composition comprising 1,1- difluoroethylene (R-1132a), difluoromethane (R-32), 2,3,3,3-tetrafluoropropene (R-1234yf) and carbon dioxide (CO₂, R-744). The invention also provides a

composition R-1132a, R-32, R-1234yf and at least one compound selected from the group consisting of: pentafluoroethane (R-125), 1,1-difluoroethane (R-152a), 1,1,1,2-tetrafluoroethane (R-134a), trans-1,3,3,3-tetrafluoropropene (R-1234ze(E)) and 1,1,1,2,3,3,3-heptafluoropropane (R-227ea); optionally, the composition comprises at least one further compound selected from the group consisting of trifluoroethylene (R-1123), propane (R-290), propylene (R-1270), isobutane (R-600a) and carbon dioxide (CO₂, R-744). The present invention also provides a composition comprising R-1132a, R-32 and R-1234yf.

21: 2021/05747. 22: 2021/08/04. 43: 2024/12/09
 51: C09K
 71: MEXICHEM FLUOR S.A. DE C.V.
 72: LOW, Robert
 33: WO 31: PCT/GB2019/052290 32: 2019-08-14
 33: GB 31: 1901890.2 32: 2019-02-11
 33: GB 31: 1901885.2 32: 2019-02-11
54: COMPOSITIONS
 00: -

The invention provides a composition comprising (a) from about 6 to about 18 weight % R-1132a, (b) from about 5 to about 35 weight % R-32, and (c) from about 47 to about 89 weight % R-1234yf. The use of such a composition as a working fluid in a heat pump system of a vehicle, preferably an electric vehicle, is also provided.



21: 2021/05789. 22: 2021/08/13. 43: 2024/11/15
 51: C02F; C08B; C08L
 71: CycloPure, Inc.
 72: BARIN, Gokhan, SPRUELL, Jason M., BROWN, Moira, LI, Shan
 33: US 31: 62/805,505 32: 2019-02-14
54: CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME

00: -
 The present disclosure relates to charge-bearing polymeric materials and methods of their use for purifying fluid samples from micropollutants, such as anionic micropollutants.

% Removal in 0.5 h	Crosslinker	GenX	PFBA	PFHxA	PFHpA	PFOA	PFHxA	PFDA	PFUnA	PFDoA	PFBS	PFHxS	PFOS
SL-0420-3	4,4'MDI	0%	6%	10%	19%	29%	41%	63%	80%	83%	16%	25%	62%
SL-0420-4	4,4'MDI	0%	0%	1%	3%	0%	2%	1%	-2%	-16%	-9%	-5%	-10%
SL-1-010A	2,4-TDI	4%	8%	21%	33%	70%	89%	96%	97%	90%	22%	63%	96%
SL-1-010B	2,4-TDI	7%	9%	12%	14%	9%	15%	18%	22%	26%	7%	8%	3%
MB-4-036	TRI+CC	74%	60%	80%	82%	83%	85%	89%	90%	91%	86%	89%	91%
MB-4-037	TRI+CC	94%	101%	95%	95%	96%	95%	94%	91%	88%	96%	96%	92%

% Removal in 48 h	Crosslinker	GenX	PFBA	PFHxA	PFHpA	PFOA	PFHxA	PFDA	PFUnA	PFDoA	PFBS	PFHxS	PFOS
SL-0420-3	4,4'MDI	8%	9%	14%	34%	76%	96%	98%	96%	89%	33%	64%	98%
SL-0420-4	4,4'MDI	-13%	-7%	4%	4%	4%	-3%	-111%	-203%	5%	-7%	-1%	-46%
SL-1-010A	2,4-TDI	8%	6%	13%	38%	87%	99%	100%	99%	93%	6%	69%	99%
SL-1-010B	2,4-TDI	6%	8%	14%	17%	19%	23%	-69%	-249%	-75%	14%	19%	-7%
MB-4-036	TRI+CC	97%	88%	89%	95%	99%	99%	99%	98%	93%	89%	95%	98%
MB-4-037	TRI+CC	99%	106%	99%	99%	99%	99%	98%	94%	83%	89%	95%	98%

21: 2021/06053. 22: 2021/08/23. 43: 2024/10/31
 51: E02F
 71: ESCO Group LLC
 72: DARE, Michael C., CLARKE, Rodney K., QIAN, Junbo, DUNFORD, Matthew J., MOORE, Sean G., HODGES, Geoffrey R., AMES, Jared R., HANKLAND, Joel S.

33: US 31: 62/234,473 32: 2015-09-29
54: WEAR MEMBER FOR EARTH WORKING EQUIPMENT

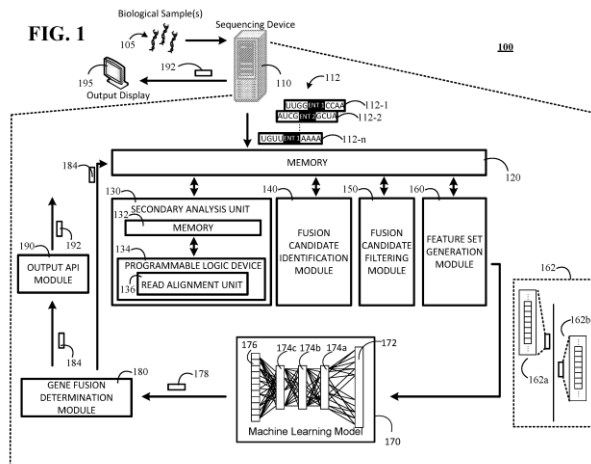
00: -
 A wear member and fastener for securing the wear member to earth working equipment. The fastener can be installed and maintained from the top of the assembly. An eccentric retainer is received in a recess of the wear member and is rotated to shift the wear member rearward on the earth working equipment. A bolt passing through aligned openings of the earth working equipment and the wear member is received by the retainer to secure the wear member to the earth working equipment.

21: 2021/06203. 22: 2021/08/26. 43: 2024/12/09
 51: G16B
 71: ILLUMINA, INC.
 72: DESHPANDE, Viraj, SCHLESINGER, Johann Felix Wilhelm, TRUONG, Sean, RODDEY, John Cooper, RUEHLE, Michael, CATREUX, Severine, MEHIO, Rami

33: US 31: 62/944,304 32: 2019-12-05
54: RAPID DETECTION OF GENE FUSIONS

00: -
 Methods, systems, and apparatuses, including computer programs for identifying a gene fusion in a biological sample is disclosed. The method can

include actions of obtaining first data that represents a plurality of aligned reads, identifying a plurality of fusion candidates included within the obtained first data, filtering the plurality of fusion candidates to determine a filtered set of fusion candidates, for each particular fusion candidate of the filtered set of fusion candidates: generating, by one or more computers, input data for input to a machine learning model that includes extracted feature data that to represents the particular fusion candidate, providing the generated input data as an input to the machine learning model that has been trained to generate output data representing a likelihood that a fusion candidate is a valid gene fusion, and determining whether the particular fusion candidate corresponds to a valid gene fusion based on the output data.

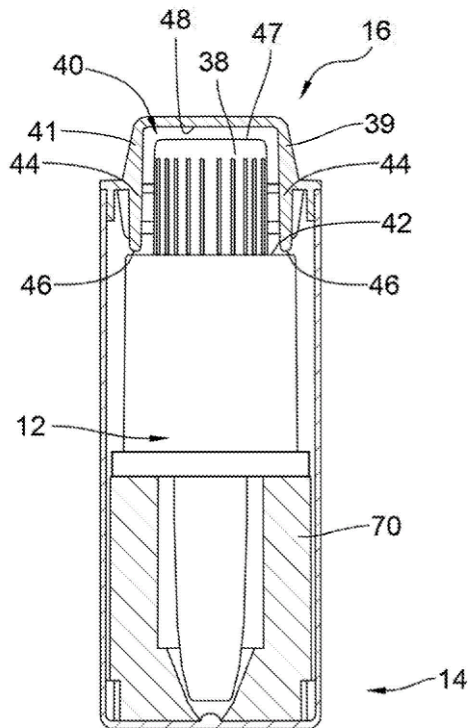


21: 2021/06245. 22: 2021/08/27. 43: 2024/10/31
 51: A61K; A61M; B05B; B65D; C07K; G09B
 71: Amphastar Pharmaceuticals, Inc.
 72: ARNETT, Jaime Ray, SNOW, Andrew Thomas

33: US 31: 62/826,093 32: 2019-03-29
54: MEDICATION DELIVERY SYSTEMS AND METHODS

00: -

The present disclosure relates to a medication delivery system (10) including a medication administration device (12), a medication within the medication administration device (12), a container (14) defining a cavity (32) receiving the medication administration device (12), and a cap (16) attached to the container (14) and sealing the medication administration device (12) within the cavity (32). The medication administration device (12) includes an actuator (26) extending from a body (18) and operable to expel the medication by depressing the actuator (26) into the body (18). The cap (16) includes hold down members (44) positioned to bear against the body (18) of the medication administration device (12) to prevent movement of the medication administration device (12) toward the cap (16) beyond a predetermined distance. The medication administration device (12) is thereby prevented, *inter alia*, from prematurely discharging the medication during storage and transport.



21: 2021/06293. 22: 2021/08/30. 43: 2024/11/11

51: C12C; C12F; C12G

71: Aromaloc Inc.

72: JONES, Richard L.

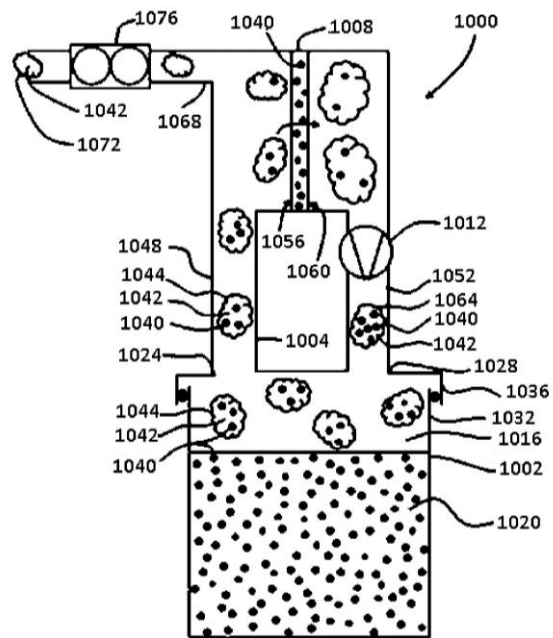
33: US 31: 16/268,990 32: 2019-02-06

54: APPARATUS AND METHOD FOR PRESERVING THE AROMA OF A FERMENTABLE BEVERAGE

00: -

A fermentation apparatus and method for preserving the aroma of a fermentable beverage is provided. The fermentation apparatus comprises a flow passage fluidly connected to the headspace located above a fermentable beverage in a fermentation container. A rubbery membrane in the flow passage receives a gaseous headspace fluid comprising

carbon dioxide gas and a first concentration of an aromatic fluid. The rubbery membrane strips a portion of the aromatic fluid from the gaseous headspace mixture thereby reducing a concentration of the aromatic fluid in the headspace mixture in the upstream portion of the flow passage. A first portion of the gaseous headspace mixture from the fermentation apparatus is discharged, the first portion having a second concentration of aromatic fluid less than the first concentration. Carbon dioxide is diffused from a second portion of the gaseous headspace mixture through the rubbery membrane, the diffused carbon dioxide gas entraining the aromatic fluid at the permeate side of the rubbery membrane. The flow passage directs the permeated modified fluid back to the headspace to at least partially retain the aromatic fluid in the fermentable beverage in the fermentation container.



21: 2021/06299. 22: 2021/08/30. 43: 2024/11/04

51: A24F

71: Nicoventures Trading Limited

72: MOLONEY, Patrick

33: GB 31: 1903539.3 32: 2019-03-15

54: ATOMISER FOR A VAPOUR PROVISION SYSTEM

00: -

An aerosol source for an electronic vapour provision system, comprises a reservoir housing (42) defining a reservoir (50) for holding aerosolisable substrate

material; and an elongate atomiser (70) to which aerosolisable substrate material from the reservoir is deliverable for vaporisation, the atomiser having a porosity and comprising a susceptor for induction heating, and having a first end and a second end, the atomiser mounted at one of its ends only so as to be supported at the mounted end in a cantilevered arrangement having an unsupported cantilever portion, such that the susceptor extends outwardly with respect to an exterior boundary of the reservoir housing.

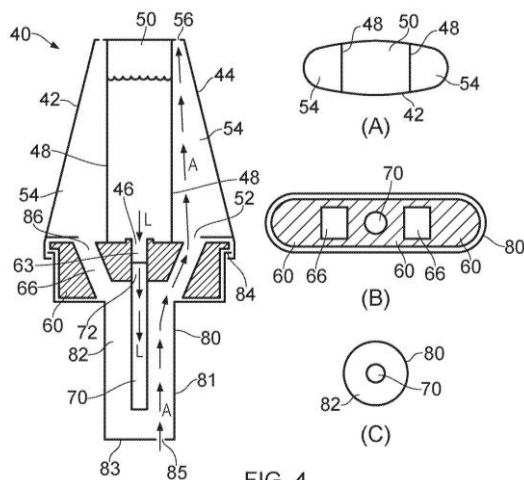


FIG. 4

21: 2021/06369. 22: 2021/09/01. 43: 2024/11/01
 51: A61K; A61P; C07K
 71: Eli Lilly and Company
 72: ABRAHAM, Milata Mary, ABURUB, Aktham, ALSINA-FERNANDEZ, Jorge, BROWN, Robert Andrew, CABRERA, Over, COSKUN, Tamer, CUMMINS, Robert Chadwick, DATTA-MANNAN, Amita, ELSAYED, Mohamed Elsayed Hamed, LAI, Xianyin, PATEL, Phenil Jayantilal, QU, Hongchang, SLOOP, Kyle Wynn, TRAN, Thi Thanh Huyen, WALLIS, James Lincoln, WILLARD, Francis Stafford
 33: US 31: 62/702,072 32: 2018-07-23

54: GIP/GLP1 CO-AGONIST COMPOUNDS

00: -
 The present invention relates to compounds having activity at both the human glucose-dependent insulinotropic polypeptide (GIP) and glucagon-like peptide-1 (GLP-1) receptors. The present invention also relates to compounds having an extended duration of action at each of these receptors. Furthermore, the present invention relates to compounds that may be administered orally. Compounds may be useful in the treatment of type 2

diabetes mellitus ("T2DM"). Also, the compounds may be useful in the treatment of obesity.

21: 2021/06437. 22: 2021/09/02. 43: 2024/11/15
 51: C07D
 71: PTC THERAPEUTICS, INC.
 72: UDDIN, AKM NASIR, DALI, MANDAR VASANT, VAZE, ONKAR SHRIPAD
 33: US 31: 62/816,402 32: 2019-03-11

54: COMPOUND FORM HAVING ENHANCED BIOAVAILABILITY AND FORMULATIONS THEREOF

00: -
 The present description generally relates to amorphous forms of compounds having enhanced aqueous solubility and dissolution rates and amorphous solid dispersions and oral pharmaceutical formulations thereof, and to processes for preparing the same. The present description specifically relates to amorphous forms of 5-fluoro-2-(6-fluoro-2-methyl-1H-benzimidazol-1-yl)-N-[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine and amorphous solid dispersions and oral pharmaceutical formulations thereof, and to processes for preparing the same.

21: 2021/06453. 22: 2021/09/03. 43: 2024/11/01
 51: C12N
 71: Takeda Vaccines, Inc.
 72: STINCHCOMB, Dan T., LIVENGOOD, Jill A., WIGGAN, O'Neil, KINNEY, Richard, OSORIO, Jorge
 33: US 31: 61/120,262 32: 2008-12-05

54: COMPOSITIONS, METHODS AND USES FOR INDUCING VIRAL GROWTH

00: -
 Embodiments herein report methods, compositions and uses for inducing and/or accelerating viral growth. In certain embodiments, methods, compositions and uses generally related to copolymer compositions for inducing viral growth, reducing lag time and/or increasing viral plaque size. In other embodiments, methods, compositions and uses of copolymer compositions can be for inducing flaviviral growth, reducing lag in growth and/or increasing plaque size.

21: 2021/06513. 22: 2021/09/06. 43: 2024/11/15
 51: F24S
 71: ODQA RENEWABLE ENERGY TECHNOLOGIES LIMITED

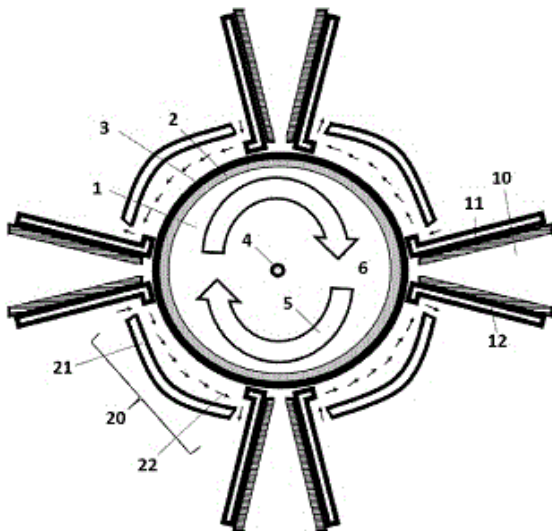
72: IRELAND, PETER, HOLT WONG, TSUN, KARACA, GEDIZ, REFAAT, AHMED, NGAI, CHIANG, WOOD, EDWIN

33: GB 31: 1902154.2 32: 2019-02-15

54: SOLAR RECEIVER

00: -

A solar receiver (100) and associated components, systems and methods for use with a concentrated solar power plant. The solar receiver comprising a heat-absorbing solid body, an optical arrangement configured to direct light on to the heat-absorbing solid body, and a heat exchanger cowl (20) proximate the heat-absorbing solid body arranged to provide a flow of working fluid over the rotor (1). In use the light from the optical arrangement heats the heat-absorbing solid body which in turn heats the working fluid proximate the heat-absorbing solid body. The heat-absorbing solid body is moveable relative to the optical arrangement from a first position to a second position such that the heat-absorbing solid body does not overheat.



21: 2021/06518. 22: 2021/09/06. 43: 2024/11/15

51: A61K; A61P; C12N

71: BIOGAIA AB

72: ROOS, STEFAN, KUNZE, WOLFGANG, BIENENSTOCK, JOHN

33: SE 31: 1950483-6 32: 2019-04-17

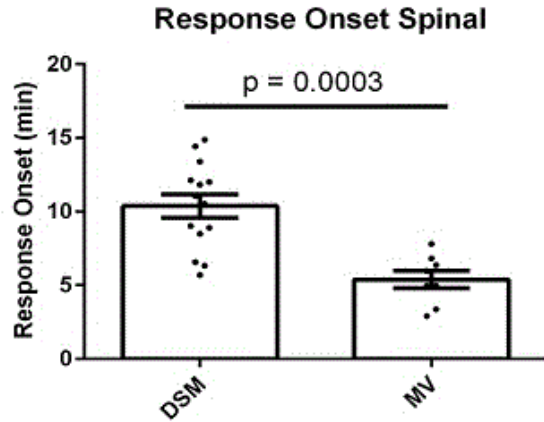
33: SE 31: 1951222-7 32: 2019-10-25

54: THERAPEUTIC MICROVESICLES OF PROBIOTIC BACTERIA

00: -

A method to provide therapeutic microvesicles from probiotic bacteria comprises exposing the bacteria to

an inducing treatment during culturing to induce production of therapeutic microvesicles by the bacteria. The therapeutic microvesicles may be used in treatment of, for instance, colic, an infant or childhood gastrointestinal disorder or disease, a gastrointestinal pain disorder, a bone loss disease and/or a periodontal disease.



21: 2021/06524. 22: 2021/09/06. 43: 2024/10/31

51: H04N

71: QUALCOMM Incorporated

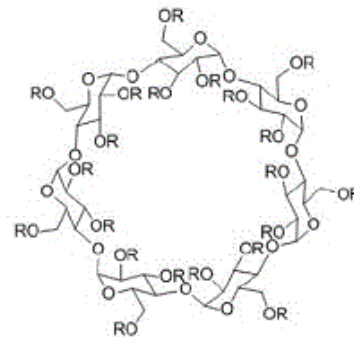
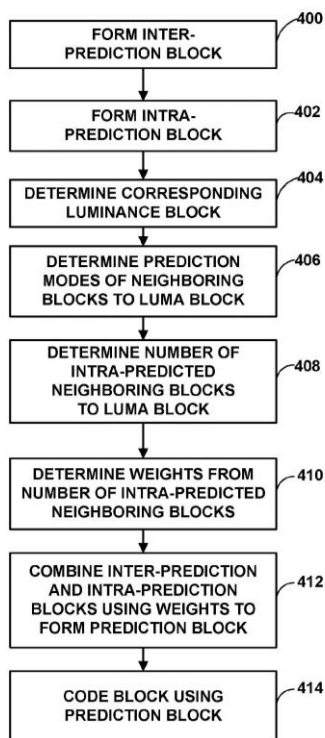
72: PHAM VAN, Luong, VAN DER AUWERA, Geert, RAMASUBRAMONIAN, Adarsh Krishnan, KARCZEWICZ, Marta

33: US 31: 62/802,515 32: 2019-02-07

54: INTER-INTRA PREDICTION MODE FOR VIDEO DATA

00: -

An example device for coding (encoding or decoding) video data includes a memory for storing video data and one or more processors implemented in circuitry and configured to form an inter-prediction block for a current chrominance block of the video data; form an intra-prediction block for the current chrominance block of the video data; determine a number of neighboring blocks to a luminance block corresponding to the current chrominance block that are intra-prediction coded; determine a first weight and a second weight according to the number of neighboring blocks that are intra-prediction coded; apply the first weight to the inter-prediction block and the second weight to the intra-prediction block; combine the first weighted inter-prediction block and the second weighted intra-prediction block to form a prediction block for the current chrominance block; and code the current chrominance block using the prediction block.



Beta-cyclodextrins where one or more R= Sulfo-butyl-Ether-group (-C₄H₈SO₃Na⁺), or 2-hydroxypropyl-group (-C₃H₆OH).

21: 2021/06559. 22: 2021/09/07. 43: 2024/11/15
 51: A61K; C08L; C08B
 71: CORNELL UNIVERSITY
 72: NOCIARI, MARCELO M, BOULAN, ENRIQUE RODRIGUEZ
 33: US 31: 62/814,028 32: 2019-03-05

54: COMPOSITIONS OF MATTER WITH ACTIVITY TO REMOVE LIPOFUSCIN FROM RETINAL CELLS

00: -
 The present disclosure relates generally to compositions and methods for the treatment of eye diseases (e.g., retinopathies), and more particularly, to treatment of eye diseases associated with retinal cell lipofuscin accumulation.

21: 2021/06570. 22: 2021/09/07. 43: 2024/10/31
 51: A61K; A61P; C07K
 71: Eli Lilly and Company
 72: DAY, Jonathan Wesley, HEUER, Josef George, MUPPIDI, Avinash, NI, Wei, PANCOOK, James David
 33: US 31: 62/827,386 32: 2019-04-01

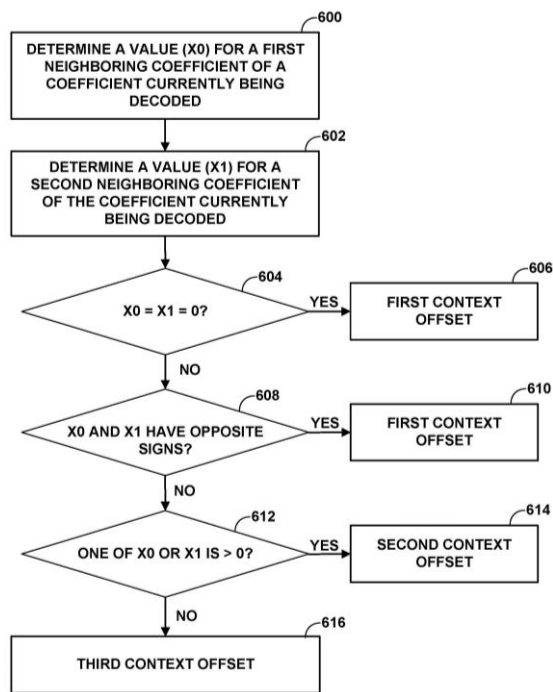
54: NEUREGULIN-4 COMPOUNDS AND METHODS OF USE

00: -
 The present invention relates to neuregulin (NRG) 4 compounds and methods of treatment with NRG4 compounds.

21: 2021/06737. 22: 2021/09/10. 43: 2024/11/04
 51: H04N
 71: QUALCOMM Incorporated
 72: KARCZEWICZ, Marta, COBAN, Muhammed Zeyd, WANG, Hongtao
 33: US 31: 62/816,745 32: 2019-03-11

54: COEFFICIENT CODING FOR TRANSFORM SKIP MODE

00: -
 A device for decoding video data determines, for a residual block of video data encoded using a transform skip mode, a value for a first neighboring coefficient of a coefficient currently being decoded; determines a value for a second neighboring coefficient of the coefficient currently being decoded; determines a context offset for the coefficient currently being decoded based on the value for the first neighboring coefficient and the value for the second neighboring coefficient; and decodes a value for the coefficient currently being decoded based on the determined context offset.



21: 2021/06768. 22: 2021/09/13. 43: 2024/11/15
 51: A61K; A61P
 71: SOM INNOVATION BIOTECH, S.A.
 72: INSA BORONAT, RAÚL, REIG BOLAÑO, NÚRIA, FERRÉ FERRÉ, AILEEN, HUERTAS GAMBÍN, ÓSCAR, ESTEVA GRAS, SANTIAGO, SIGNORILE, LUCA, PERICOT MOHR, GAL.LA
 33: EP 31: 19382102.2 32: 2019-02-14

54: TRIAMTERENE OR NOLATREXED FOR USE IN THE TREATMENT OF PHENYLKETONURIA

00: -
 The present invention relates to a compound selected from the group consisting of nolatrexed, triamterene, sultopride and hydrastinine or a pharmaceutically acceptable salt thereof, preferably triamterene, nolatrexed or a pharmaceutically acceptable salt thereof, and to combination of said compounds with other active ingredients, for use in the treatment and/or prevention of phenylketonuria, to the use of said compound or its combinations in the manufacture of a medicament for the treatment or prevention of said diseases and to a method of treating and/or preventing by administration of said compound or its combinations.

21: 2021/06772. 22: 2021/09/13. 43: 2024/11/15
 51: C07C
 71: NELSON MANDELA UNIVERSITY

72: SAGANDIRA, CLODIUS RAY, WATTS, PAUL
 33: NL 31: 2022745 32: 2019-03-14

54: FLOW SYNTHESIS PROCESS FOR THE PRODUCTION OF OSELTAMIVIR

00: -
 This invention provides for a flow synthesis process for producing Oseltamivir and pharmaceutically acceptable salts thereof from shikimic acid in particular but not exclusively to a flow synthesis process for producing Oseltamivir phosphate from shikimic acid in a nine-step flow synthesis that provides for superior reaction times and product yields compared to known methods.

21: 2021/06776. 22: 2021/09/13. 43: 2024/10/30
 51: H04L

71: QUALCOMM Incorporated
 72: KHOSHNEVISAN, Mostafa, SUN, Jing, ZHANG, Xiaoxia
 33: US 31: 62/805,766 32: 2019-02-14

54: DYNAMIC HYBRID AUTOMATIC REPEAT REQUEST (HARQ) CODEBOOK FOR MULTI-TRANSMIT RECEIVE POINT (TRP) COMMUNICATION

00: -
 This disclosure provides systems, methods and apparatus for wireless communication. In one aspect, a multi-transmit-receive point (TRP) approach for hybrid automatic repeat request (HARQ) acknowledgment (ACK) feedback using counter downlink assignment indicators (DAIs) (cDAIs) and total DAIs (tDAIs) is provided. For example, some techniques and apparatuses described herein may provide a joint counting method in which cDAIs and tDAIs are implemented and tracked jointly between the TRPs of a multi-TRP group. This may be useful in the ideal backhaul scenario when the multi-TRP group is jointly scheduled, and may be more robust against errors than a separate counting method. Some techniques and apparatuses described herein may provide a separate counting method, in which cDAIs and tDAIs are implemented and tracked separately by the respective TRPs of a multi-TRP group.

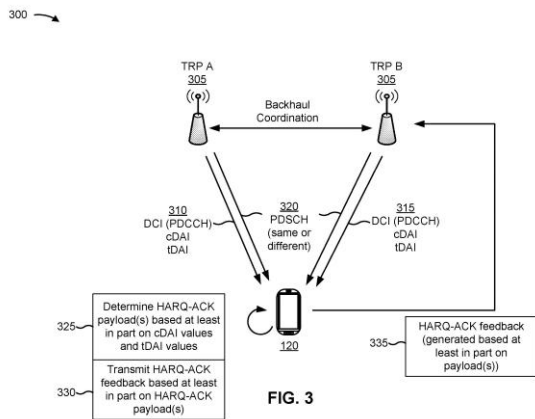
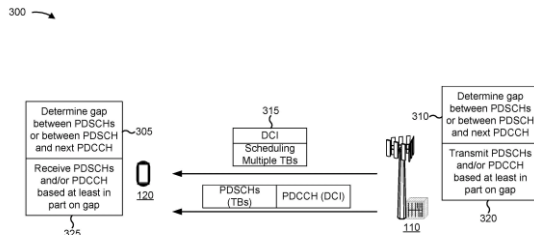


FIG. 3



21: 2021/06807. 22: 2021/09/14. 43: 2024/11/15
51: C07K

71: IMCHECK THERAPEUTICS SAS, INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE - CNRS -, INSTITUT JEAN PAOLI & IRENE CALMETTES, UNIVERSITÉ D'AIX-MARSEILLE
72: FOUCHER, ETIENNE, CANO, CARLA, LE, KIEU SUONG, PASERO, CHRISTINE, OLIVE, DANIEL

33: EP 31: 19219691.3 32: 2019-12-24
33: EP 31: 19305345.1 32: 2019-03-20

54: ANTIBODIES HAVING SPECIFICITY FOR BTN2 AND USES THEREOF

00: -
The present invention relates to antibodies having specificity for BTN2A and uses thereof, in particular for the treatment of cancer.

21: 2021/06848. 22: 2021/09/17. 43: 2024/11/15
51: C07H

71: ATEA PHARMACEUTICALS, INC.
72: SOMMADOSSI, JEAN-PIERRE, MOUSSA, ADEL
33: US 31: 62/384,664 32: 2016-09-07

54: 2'-SUBSTITUTED-N6-SUBSTITUTED PURINE NUCLEOTIDES FOR RNA VIRUS TREATMENT

00: -
The use of described compounds or pharmaceutically acceptable salts or compositions thereof for the treatment of a host infected with a Flavivirus, Dengue fever, West Nile fever, Yellow fever, Zika virus, or Japanese encephaliti.

21: 2021/06997. 22: 2021/09/20. 43: 2024/11/15
51: C25C

71: RIO TINTO ALCAN INTERNATIONAL LIMITED
72: RENAUDIER, STEEVE, BRUN, FRÉDÉRIC
33: FR 31: 19/02639 32: 2019-03-14

54: INTERVENTION TOOL FOR USING AN ELECTROLYTIC CELL

00: -

21: 2021/06778. 22: 2021/09/13. 43: 2024/10/31
51: H04L; H04W

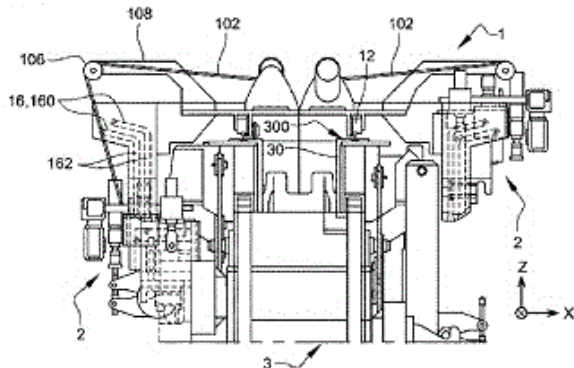
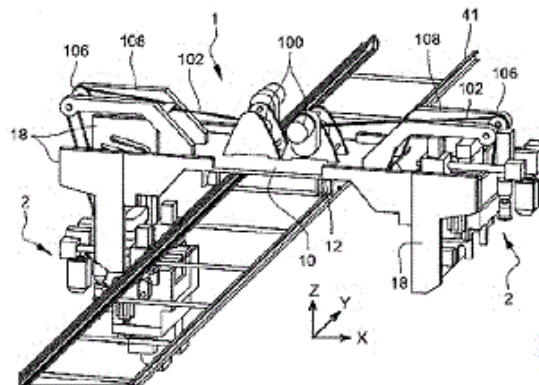
71: QUALCOMM Incorporated
72: LIU, Le, RICO ALVARINO, Alberto, ANANDA, Raghavendra Shyam

33: IN 31: 201941005823 32: 2019-02-14

54: GAP CONFIGURATION FOR MULTIPLE TRANSPORT BLOCKS

00: -
Some techniques and apparatuses described herein provide for the determination of a gap for a scheduled communication involving multiple, different TBs. For example, some techniques and apparatuses described herein provide for the determination of a gap between two or more PDSCHs that are scheduled by a same DCI based at least in part on a UE capability, such as a processing time or a processing mode. Some techniques and apparatuses described herein provide for the determination of a gap between a last PDSCH and a next PDCCH based at least in part on the UE capability. The gap(s) may permit the UE to successfully receive and/or decode multiple PDSCHs and/or PDCCHs in view of the limitations imposed by the UEs processing time or processing mode. In this way, efficiency of PDSCH/PDCCH resource utilization may be improved, the likelihood of a failed PDCCH transmission is reduced, and network efficiency is improved.

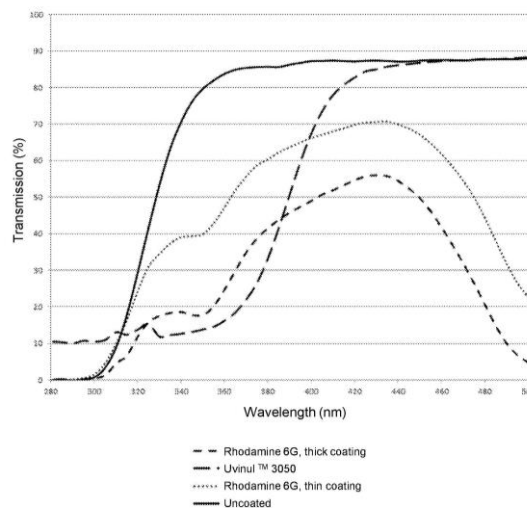
The invention relates to an intervention tool (2) that is movable and designed to reposition an anode assembly (38) of an electrolytic cell (3). The intervention tool (2) comprises a frame (22) provided with one or more bearing surfaces (220) allowing the intervention tool (2) to bear against and to be stably supported directly on at least one element of the electrolytic cell (3) and an intervention unit designed to reposition the anode assembly (38).



21: 2021/07283. 22: 2021/09/28. 43: 2024/10/29
51: B65D; C03C

71: Pilkington Group Limited
72: BROWN, Jack, MADIN, Claire, RAISBECK, Deborah, VARMA, Karikath Sukumar
33: GB 31: 1904453.6 32: 2019-03-29
54: COATED SUBSTRATE AND PROCESS OF PREPARATION

00: -
A coated glass substrate comprising: a transparent glass substrate coated with a blocking layer comprising a material having Si-O-Si bonds and a blocking component, wherein the blocking component comprises fluorone and/or a fluorone derivative.



21: 2021/07014. 22: 2021/09/20. 43: 2024/11/15
51: B25J; B23Q; B66C
71: RIO TINTO ALCAN INTERNATIONAL LIMITED
72: BRUN, FRÉDÉRIC, RENAUDIER, STEEVE
33: FR 31: 19/02640 32: 2019-03-14
54: HANDLING DEVICE INTENDED TO TRANSPORT AN INTERVENTION TOOL FOR AN ELECTROLYTIC CELL

00: -
Handling device designed to transport an intervention tool enabling a repair to be made on an electrolytic cell. This handling device (1) comprises a chassis (10) bearing the intervention tool (2) and movement means enabling the chassis (10) to be moved, in particular along the superstructure of the electrolytic cell (3). In addition, the movement means are suitable for being supported on the superstructure.

21: 2021/07291. 22: 2021/09/28. 43: 2024/11/06
51: B60L
71: Sandvik Mining and Construction Oy
72: VERHO, Samuli, VATANEN, Harri, TIIHONEN, Tommi, KOUVO, Mikko, JUNTUNEN, Raimo, KITULA, Mikko

33: EP(FI) 31: 19175916.6 32: 2019-05-22
54: METHOD AND ARRANGEMENT FOR CONTROLLING ELECTRIC CURRENT IN TETHER CABLE OF A MINING VEHICLE

00: -
 Method and arrangement are provided for controlling electric current in a tether cable of an electrically driven mining vehicle. There is determined an indicator of an equivalent cycle current that flows through said tether cable, and obtained one or more descriptors of an actual state of dynamically changing conditions of the tether cable. A current limiting value is determined on the basis of said indicator and said descriptors, and a total amount of current is limited that said mining vehicle draws through said tether cable to a value smaller than or equal to said determined current limiting value.

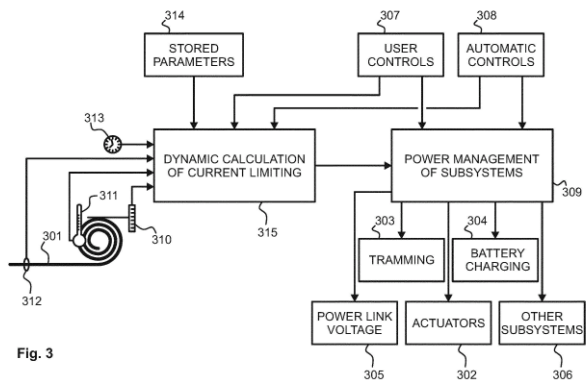
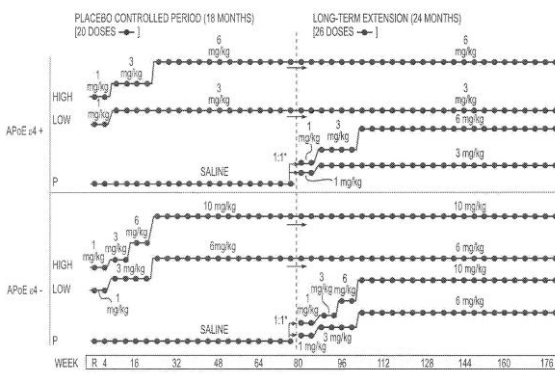


Fig. 3

21: 2021/07358. 22: 2021/09/30. 43: 2024/11/06
 51: A61K; C07K
 71: Biogen International Neuroscience GmbH
 72: FERRERO, James L., WILLIAMS, Leslie
 Lugene, SEVIGNY, Jeffrey Joseph
 33: US 31: 62/086,674 32: 2014-12-02
54: METHOD FOR TREATING ALZHEIMER'S DISEASE

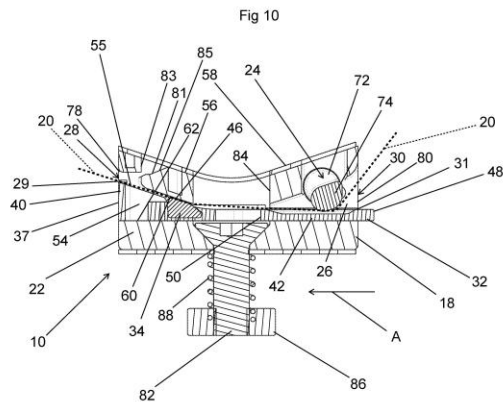
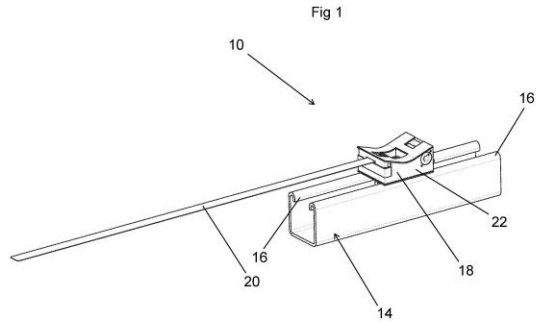
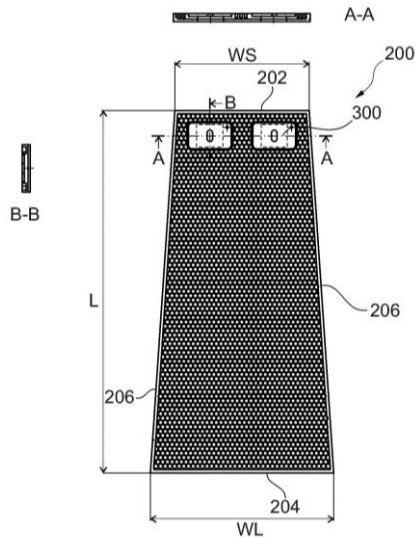
00: -
 A method for treatment of a human patient for Alzheimer's disease (AD) comprises sequentially administering multiple doses of a recombinant, fully human, anti-amyloid beta monoclonal antibody to the patient. In preferred embodiments, the antibody is administered in increasing amounts over a period of time. In preferred embodiments, the susceptibility of the patient to amyloid related imaging abnormalities (ARIA) is thereby reduced.



21: 2021/07424. 22: 2021/10/01. 43: 2024/11/06
 51: B02C

71: Metso Outotec Finland OY
 72: VAN ZYL, Ian, PERSSON, Henrik
 33: EP(FI) 31: 19167370.6 32: 2019-04-04
54: PROTECTIVE LINER FOR CRUSHER

00: -
 There is provided a crusher (100) having a protective liner (102), the protective liner (102) comprising a plurality of lining segments (200, 201, 250) which are arranged circumferentially along an arc of the crusher (100), wherein at least some of the segments (200, 201, 250) have a trapezoidal shape with two bases (202, 204) of different lengths arranged parallel to the circumferential direction of the wall and two non-parallel legs (206) connecting the bases (202, 204), wherein at least some of the segments (200, 201, 250) are arranged along the circumference of the wall such that long (202) and short (204) bases of adjacent segments (200, 201, 250) alternate, and wherein at least some of the segments (200, 201, 250) are allowed to vary in their axial position with respect to adjacent segments (200, 201, 250) to compensate for tolerances in diameter of the wall of the crusher (100).



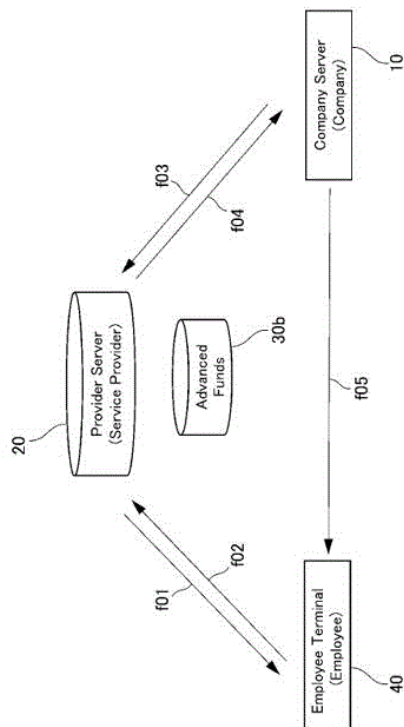
21: 2021/07528. 22: 2021/10/06. 43: 2024/11/06
 51: F16B; F16L
 71: Gripple Limited
 72: GIEMZA, Lee
 33: GB 31: 1906663.8 32: 2019-05-11
54: CONNECTING DEVICE
 00: -

A connecting device (10) is disclosed for connecting an article (12) to a support (14). The connecting device (10) comprises a flexible elongate member (20) and a clamping arrangement (18) for clamping the flexible elongate member (20) around the article (12). The clamping arrangement (18) comprises a body (22) and a clamping element (34). The clamping element (34) is movable between clamping and non-clamping positions. In the clamping position, the clamping element (34) clamps the flexible elongate member (20) to the body (22), thereby attaching the article (12) to the clamping arrangement (18). In the non-clamping position, the flexible elongate member (20) is movable through the body (22).

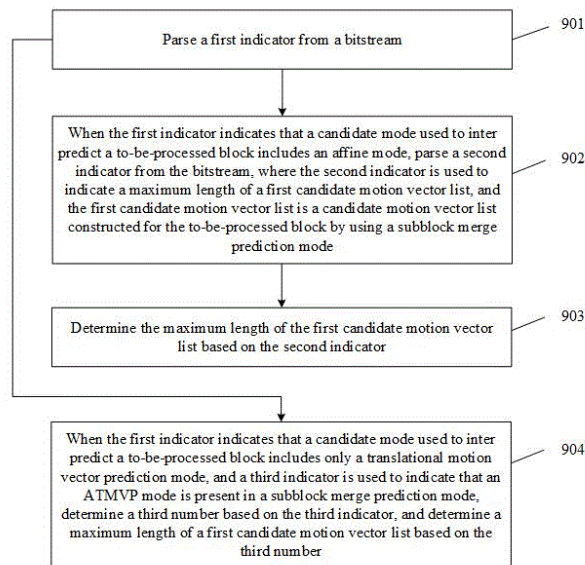
21: 2021/07577. 22: 2021/10/08. 43: 2024/11/06
 51: G06Q
 71: FTS Kabushiki Kaisha
 72: MATSUDA, Yutaro
 33: JP 31: 2016-254858 32: 2016-12-28
54: SYSTEM, METHOD, OPERATOR SERVER, AND PROGRAM FOR FINANCIAL DEMAND RESPONSE PROVISION SERVICES
 00: -

A provider server is used in a financial demand response provision service system configured to provide financial demand response services to one or more employees belonging to a company. The provider server includes a managed account and an auto charge data output unit. The managed account is configured to manage electronic value information of funds that a provider provides as an advance to an individual employee on behalf of the company. The electronic value information is managed according to an advanceable amount calculated based on time data of the employee. The auto charge data output unit transfers the electronic value information from the managed account to a bank account of the employee managed by a bank server according to automatic charge setting or a transfer

instruction from an employee terminal operated by the employee.



candidate motion vector list based on the second indicator.

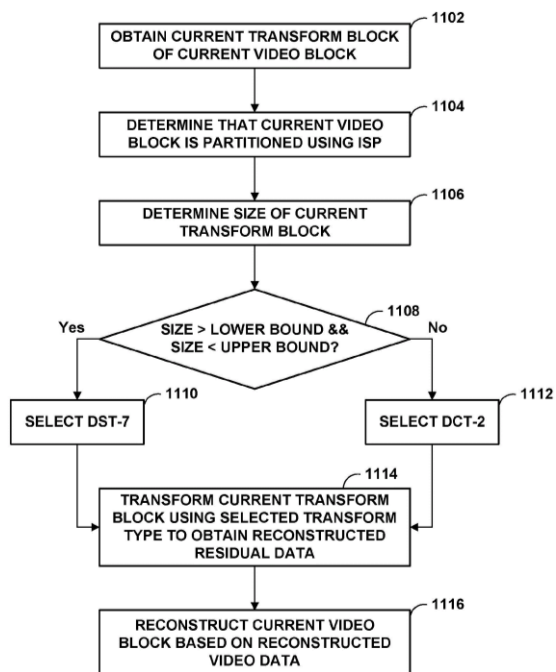


21: 2021/07638. 22: 2021/10/11. 43: 2024/11/06
 51: H04N
 71: Huawei Technologies Co., Ltd.
 72: CHEN, Huanbang, YANG, Haitao
 33: CN 31: 201811268188.2 32: 2018-10-29
54: VIDEO PICTURE PREDICTION METHOD AND APPARATUS

00: -
 A video picture prediction method and apparatus are provided, to provide a manner of determining a maximum length of a candidate motion vector list corresponding to a subblock merge mode. The method comprises: parsing a first indicator from a bitstream; when the first indicator indicates that a candidate mode used to inter predict the to-be-processed block comprises an affine mode, parsing a second indicator from the bitstream, where the second indicator is used to indicate a maximum length of a first candidate motion vector list, and the first candidate motion vector list is a candidate motion vector list constructed for the to-be-processed block, a subblock merge prediction mode is used for the to-be-processed block; and determining the maximum length of the first

21: 2021/07661. 22: 2021/10/11. 43: 2024/11/08
 51: H04N
 71: QUALCOMM Incorporated
 72: EGILMEZ, Hilmi Enes, SAID, Amir, SEREGIN, Vadim, KARCZEWICZ, Marta
 33: US 31: 62/817,397 32: 2019-03-12
54: IMPLICIT TRANSFORM SELECTION IN VIDEO CODING

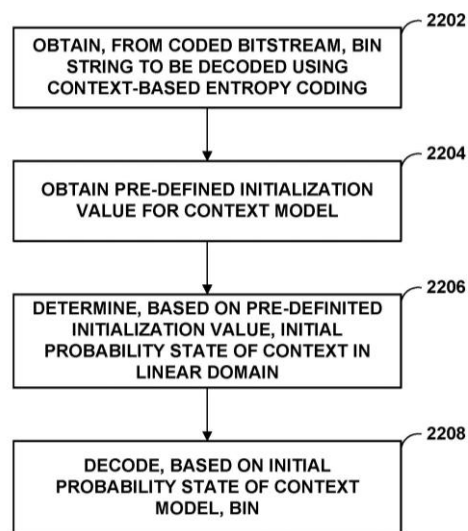
00: -
 An example method includes inferring, for a current transform block of a current video block, a transform type from a plurality of transform types that includes one or more discrete cosine transforms (DCTs) and one or more discrete sine transforms (DSTs), wherein inferring the transform type comprises: determining a size of the current transform block; determining whether the current video block is partitioned using intra-subblock partitioning (ISP); and responsive to determining that the size of the current transform block is less than a threshold and that the current video block is partitioned using ISP, selecting a particular DST of the one or more DSTs as the selected transform type; transforming, using the selected transform type, the current transform block to obtain a block of reconstructed residual data for the video block; and reconstructing, based on the reconstructed residual data for the video block, the video block.



21: 2021/07664. 22: 2021/10/11. 43: 2024/11/08
 51: H04N
 71: QUALCOMM Incorporated
 72: DONG, Jie, SAID, Amir, SEREGIN, Vadim, KARCZEWICZ, Marta
 33: US 31: 62/817,475 32: 2019-03-12

54: PROBABILITY INITIALIZATION FOR VIDEO CODING

00: -
 An example method for entropy decoding of video data includes retrieving a pre-defined initialization value for a context of a plurality of contexts used in a context-adaptive entropy coding process to entropy code a value for a syntax element for an independently codable unit of video data; determining, based on the pre-defined initialization value and in a linear domain, an initial probability state of the context; and entropy decoding, from a bitstream and based on the initial probability state of the context, a bin of the value for the syntax element.

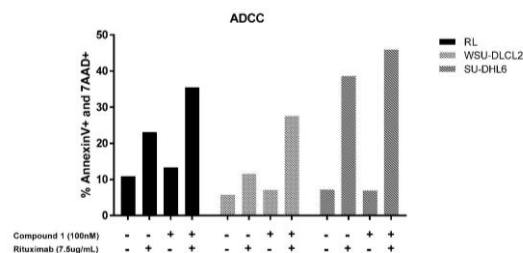


21: 2021/07668. 22: 2021/10/11. 43: 2024/11/06
 51: A61K; A61P
 71: Celgene Corporation

72: ANTON, Maria Soraya Carrancio, BUCHHOLZ, Tonia J., LOPEZ-GIRONA, Antonia, NARLA, Rama Krishna, POURDEHNAD, Michael
 33: US 31: 62/833,432 32: 2019-04-12

54: METHODS OF TREATING NON-HODGKIN LYMPHOMA USING 2-(2,6-DIOXOPIPERIDIN-3-YL)-4-((2-FLUORO-4-((3-MORPHOLINOAZETIDIN-1-YL)METHYL)BENZYL)AMINO)ISOINDOLINE-1,3-DIONE

00: -
 Provided herein are methods of using 2-(2,6-dioxopiperidin-3-yl)-4-((2-fluoro-4-((3-morpholinoazetid-1-yl)methyl)benzyl)amino)isoindoline-1,3-dione, or an enantiomer, a mixture of enantiomers, a tautomer, an isotopolog, or a pharmaceutically acceptable salt thereof, alone or in combination with rituximab, for treating, preventing or managing non-Hodgkin lymphoma.

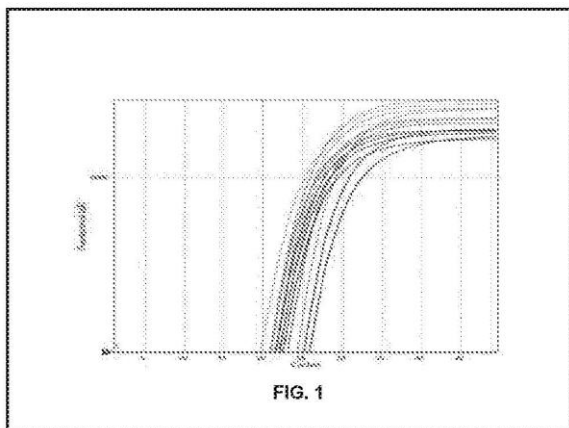


21: 2021/07820. 22: 2021/10/14. 43: 2024/11/08
 51: C12Q

71: PolySkope Labs
 72: ZEGRATI, Cyrus Cody, CENTOLA, Michael Benjamin, SMITH, Paul Simon
 33: US 31: 62/819,417 32: 2019-03-15

54: SELECTIVE ENRICHMENT BROTH FOR DETECTION OF ONE OR MORE PATHOGENS

00: -
 Provided herein are media, methods, kits, primers and oligonucleotide probes for use in the molecular detection of pathogens. These may be used in combination for the rapid, high-throughput screening PCR-based techniques to simultaneously detect multiple pathogens. The multiplex-detection methods have improved sensitivity and specificity for the detection of multiple pathogens simultaneously. Real-time PCR assaying techniques using such primers include microarrays and multiplex arrays, the latter optionally simultaneously with oligonucleotide TaqMan probes.

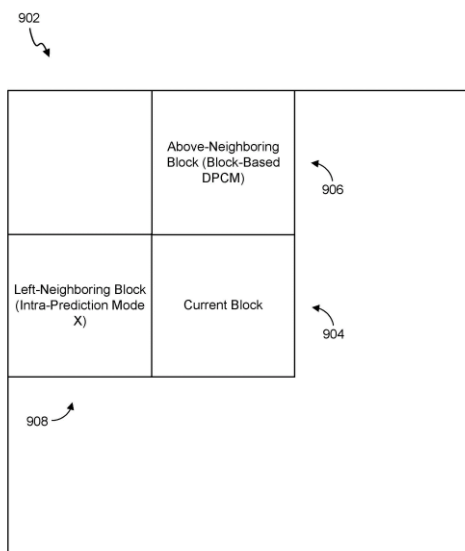


21: 2021/08166. 22: 2021/10/22. 43: 2024/11/08
 51: H04N

71: QUALCOMM Incorporated
 72: COBAN, Muhammed Zeyd, VAN DER AUWERA, Geert, KARCZEWICZ, Marta
 33: US 31: 62/838,928 32: 2019-04-25
54: BLOCK-BASED QUANTIZED RESIDUAL DOMAIN PULSE CODE MODULATION ASSIGNMENT FOR INTRA PREDICTION MODE DERIVATION

00: -
 Techniques are described for improving video coding. For example, a first block of a picture included in an encoded video bitstream can be obtained. A second block of the picture can be determined as being coded (e.g., encoded) using a type of block-based quantized residual domain pulse

code modulation (BDPCM) mode, such as vertical BDPCM mode or horizontal BDPCM mode. In the event the second block is coded using the vertical BDPCM mode, a vertical intra-prediction mode can be determined for an intra-prediction mode list for the first block. The vertical intra-prediction mode can be added to the intra-prediction mode list for the first block. In the event the second block is coded using the horizontal BDPCM mode, a horizontal intra-prediction mode can be determined for the intra-prediction mode list for the first block and the horizontal intra-prediction mode can be added to the intra-prediction mode list.



21: 2021/08245. 22: 2021/10/26. 43: 2024/11/07
 51: H01H

71: Eaton Intelligent Power Limited
 72: POSTMUS, Albert
 33: GB 31: 2017719.2 32: 2020-11-10
54: OPERATING MECHANISM FOR OPENING AND CLOSING AT LEAST TWO CONTACTS SIMULTANEOUSLY

00: -
 The invention relates to an operating mechanism for opening and closing at least two contacts simultaneously. This mechanism comprises - a bridge body having an elongate contact surface configured be in contact with the operating rods of the two contacts;- a first reaction arm hinging with one end to a base frame and with the other end to the bridge body;- a second reaction arm hinging with one end to the base frame and with the other end to

the bridge body;- a rod mechanism of two links wherein the first ends of the two links are hinging with each other, wherein the second end of one link is hinging with the base frame and the second end of the other link is hinging with the bridging body;- a cam (13) arranged on a shaft (14), wherein the shaft (14) extends parallel to the hinging axes of the rod mechanism (28, 29) and is in operating contact with the hinging axis of the first ends (30) of the two links (28, 29).- a cam arranged on a shaft, wherein the shaft is arranged adjacent to the rod mechanism, wherein the shaft extends parallel to the hinging axes of the rod mechanism and wherein the cam is in operating contact with the hinging axis of the first ends of the two links.

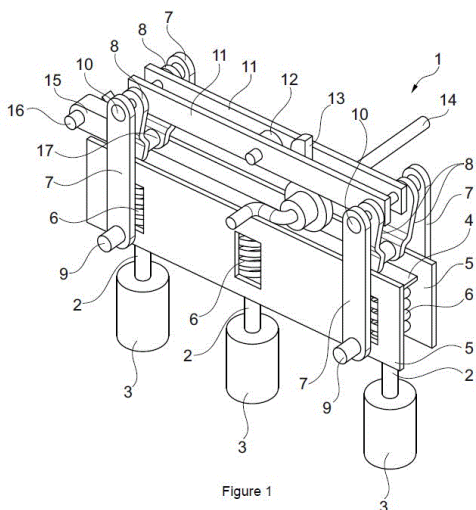
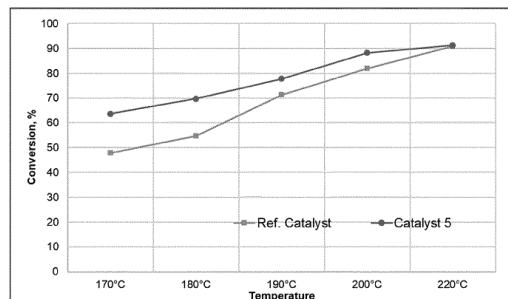


Figure 1

21: 2021/08432. 22: 2021/10/29. 43: 2024/10/29
 51: B01J C07C
 71: BASF CORPORATION
 72: CHEN, Jian-Ping, KUNDU, Arunabha, ANGEL, Matthew
 33: US 31: 62/827,498 32: 2019-04-01
54: COPPER EXTRUDATE CATALYST AND APPLICATIONS FOR HYDROGENATION AND HYDROGENOLYSIS

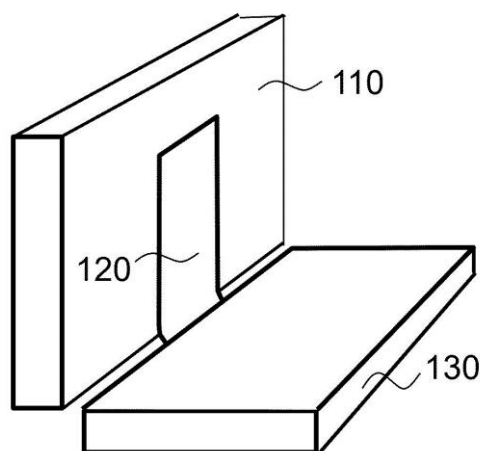
00: -
 A hydrogenolysis catalyst comprises a catalytic component that includes copper oxide, manganese oxide, and aluminum oxide, and a binder that includes a zirconium component, wherein the catalyst comprises at least about 30.0 wt% copper oxide, and the catalyst is substantially free of silicon or an oxide thereof. The hydrogenolysis catalysts

are effective for converting fatty acid esters to fatty alcohols.



21: 2021/08525. 22: 2021/11/02. 43: 2024/11/06
 51: A47C
 71: Sleep Smart Solutions GmbH
 72: HUBRIG, Jörg
54: FURNITURE DEVICE FOR AN ITEM OF FURNITURE

00: -
 The invention relates to a furniture device (100) for an item of furniture, wherein the furniture device (100) comprises: a frame device (110); a suspension device (130) which is designed to be coupled to the frame device (110); a frame spring device (120) which is designed to cause a first spring effect between the frame device (110) and the suspension device (130); and a suspension spring device (140) which is designed to cause a second spring effect on the suspension device (130)



21: 2021/08781. 22: 2021/11/08. 43: 2024/11/06
 51: H04N
 71: QUALCOMM Incorporated

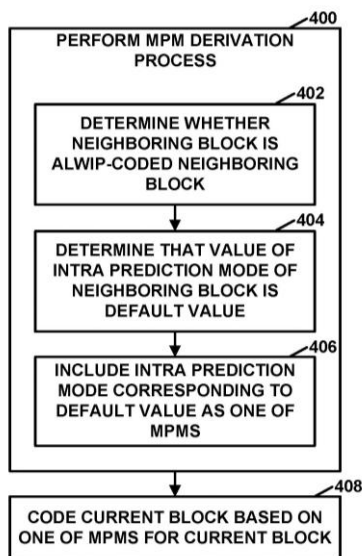
72: RAMASUBRAMONIAN, Adarsh Krishnan, VAN DER AUWERA, Geert, PHAM VAN, Luong, KARCZEWICZ, Marta

33: US 31: 62/845,790 32: 2019-05-09

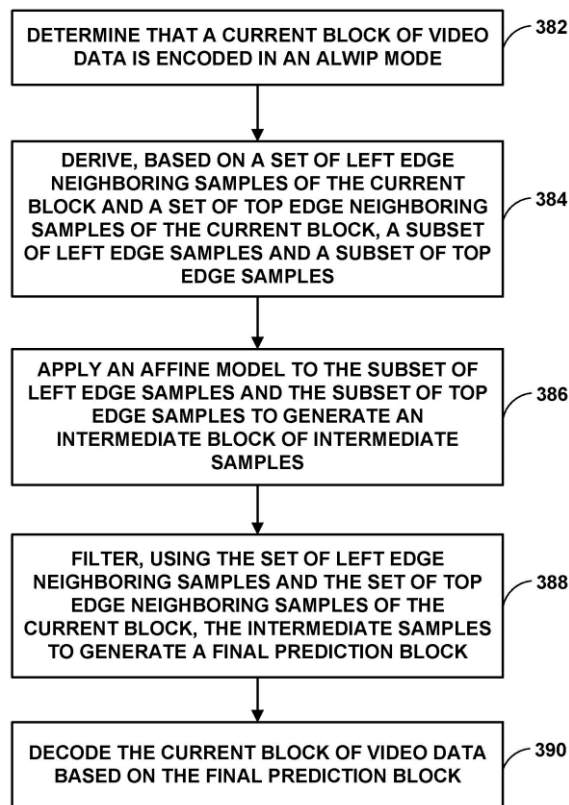
54: AFFINE LINEAR WEIGHTED INTRA PREDICTION IN VIDEO CODING

00: -

A video coder performs a Most-Probable Mode (MPM) derivation process that derives one or more MPMs for a current block that is not coded using affine linear weighted intra prediction (ALWIP). As part of performing the MPM derivation process, the video coder determines whether a neighboring block of the current block is an ALWIP-coded neighboring block. Based on the neighboring block being an ALWIP-coded neighboring block, the video coder determines that a value of an intra prediction mode of the neighboring block is a value indicating a planar mode. The video coder codes the current block based on one of the MPMs for the current block.



A device for decoding video data determine that a current block of video data is encoded in an affine linear weighted intra prediction (ALWIP) mode; derives, based on a set of left edge neighboring samples of the current block and a set of top edge neighboring samples of the current block, a subset of left edge samples and a subset of top edge samples; applies an affine model to the subset of left edge samples and the subset of top edge samples to generate an intermediate block of intermediate samples; filters the intermediate samples to generate a final prediction block; decodes the current block of video data based on the final prediction block.



21: 2021/08783. 22: 2021/11/08. 43: 2024/11/06 51: H04N

71: QUALCOMM Incorporated

72: RAMASUBRAMONIAN, Adarsh Krishnan, VAN DER AUWERA, Geert, PHAM VAN, Luong, KARCZEWICZ, Marta

33: US 31: 62/845,839 32: 2019-05-09

54: PREDICTION SIGNAL FILTERING IN AFFINE LINEAR WEIGHTED INTRA PREDICTION

00: -

21: 2021/08955. 22: 2021/11/11. 43: 2024/11/15 51: F16F; F16J; H02K

71: KineticCore Solutions LLC

72: CLEGERN, James B.

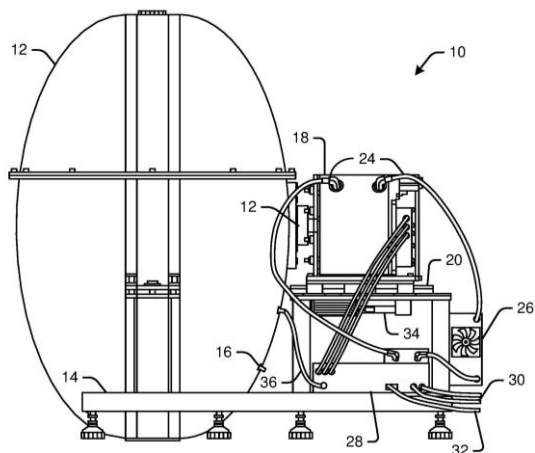
33: US 31: 62/857,088 32: 2019-06-04

54: FLYWHEEL ENERGY STORAGE DEVICE

00: -

An example flywheel energy storage device includes a continuously curved fiber-resin composite ovoid

shell. Hubs are concentrically disposed within and outside the shell at the shaft. A plurality of radially oriented, fiber-resin composite helical wraps of uniform width are used to construct the ovoid shell and couple the shell to the hubs for co-rotation and torque transfer. Integrated internal structures are attached to the external ovoid shell and provide compression support for the external ovoid shell. Upon rotation, the ovoid shell elongates slightly to increase the flywheel effective moment of inertia at operational speeds.



21: 2021/08987. 22: 2021/11/12. 43: 2024/11/15
51: A61K

71: Valent BioSciences LLC

72: SASAKAWA, Mitsuhiro, SHARMA, Parvesh, DEVISETTY, Bala N.

33: US 31: 62/479,524 32: 2017-03-31

54: 1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID HYDROCHLORIDE FORMULATIONS

00: -

The present invention relates to 1-amino-1-cyclopropanecarboxylic acid hydrochloride salt formulations and methods of their use.

21: 2021/09003. 22: 2021/11/12. 43: 2024/11/15
51: A61K; C07D

71: Celgene Corporation

72: BACULI, Frans, NORTHCOTE, Katherine, CORREA, Matthew D., HANSEN, Joshua, LEBRUN, Laurie A., LU, Chin-Chun, LU, Gang, NAGY, Mark A., PENG, Sophie, PERRIN-NINKOVIC, Sophie

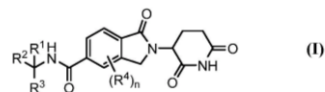
33: US 31: 62/855,619 32: 2019-05-31

54: SUBSTITUTED 1-OXO-ISOINDOLINE-5-CARBOXAMIDE COMPOUNDS, COMPOSITIONS

THEREOF, AND METHODS OF TREATMENT THEREWITH

00: -

Provided herein are 1-oxo-isoindoline-5-carboxamide compounds having the following structure of Formula (I), wherein R¹, R², R³, R⁴ and n are as defined herein, compositions comprising an effective amount of a 1-oxo-isoindoline-5-carboxamide compound, and methods for treating or preventing disorders.



21: 2021/09042. 22: 2021/11/15. 43: 2024/11/15
51: A61K; C07K

71: argenx BVBA

72: ONGENAE, Nicolas G.H., DREIER, Torsten, ULRICHTS, Peter, DE HAARD, Johannes, BLANCHETOT, Christophe

33: US 31: 62/130,076 32: 2015-03-09

54: METHODS OF REDUCING SERUM LEVELS OF FC-CONTAINING AGENTS USING FCRN ANTAGONISTS

00: -

Provided are novel methods of reducing the serum levels of Fc-containing agents (e.g., antibodies and immunoadhesins) in a subject. These methods generally comprise administering to the subject an effective amount of an isolated FcRn- antagonist that binds specifically to FcRn with increased affinity and reduced pH dependence relative to the native Fc region. The disclosed methods are particularly useful for treating antibody-mediated disorders (e.g. autoimmune diseases).

21: 2021/09044. 22: 2021/11/15. 43: 2024/11/15
51: H01H

71: Eaton Intelligent Power Limited

72: VAN DIJK, Marcel, LAMMERS, Adri, HEILERSIG, Dinant

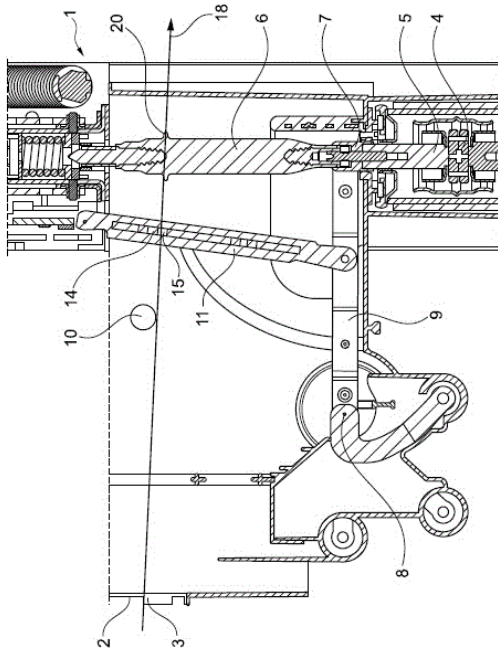
33: GB 31: 2019261.3 32: 2020-12-08

54: SWITCH HAVING A POSITION INDICATOR

00: -

The invention relates to switches for medium voltage applications. The switch comprises a vacuum interrupter having fixed and moveable contacts, and a drive rod arranged to the movable contact for moving the contact; a changeover switch having first and second terminal bodies, an elongate pole body hinged to the first terminal body and rotatable between connected and disconnected positions, and an operating rod hinged to the elongate pole body; wherein the first terminal body is fixedly arranged and in electrical contact with the movable contact

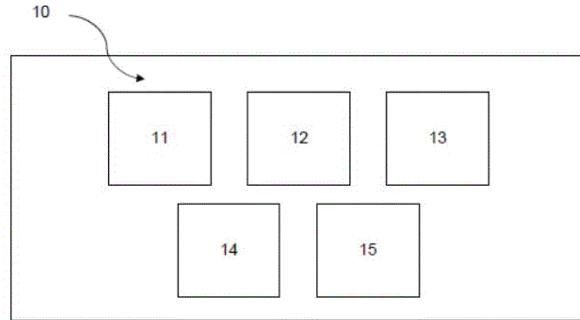
wherein a main marker is arranged on one of the drive and operating rods and in that two sets of two auxiliary markers are arranged on the other rods, wherein the two sets are spaced apart with a first pitch distance, and wherein the two auxiliary markers of each set are spaced apart with a second pitch distance, smaller than the first pitch distance.



21: 2021/09165. 22: 2021/11/17. 43: 2024/11/15
 51: G01F; G01T
 71: VEGA Grieshaber KG
 72: LAUN, Robert, WALDECKER, Natalie
 33: DE 31: 10 2020 133 594.6 32: 2020-12-15
54: RADIOMETRIC MEASURING DEVICE FOR DETERMINING A MASS FLOW RATE
 00: -

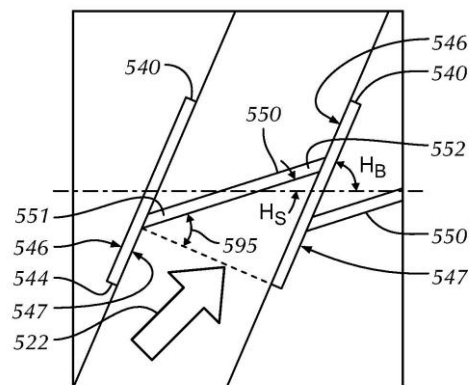
Radiometric measuring device (10) for determining a mass flow of a bulk material (25) on a conveyor belt (23), comprising: at least one radiation source (11, 21) which is configured to emit radiation in the direction of the bulk material (25) on the conveyor belt (23); at least one detector unit (12, 22) which is configured to detect at least part of the radiation which has at least partially passed through the bulk material and the conveyor belt (23); at least one evaluation unit (13) which is configured to determine the mass flow of the bulk material (25) based on the detected radiation; at least one storage means (14) which is set up to store at least one measured value

equation, the measured value equation mapping the relationship between the detected radiation and the mass flow; at least one electronic calculation means (15) which is set up to determine, based on at least one calibration measurement without bulk material on the conveyor belt (23), a correction equation with which the measured value equation is corrected.



21: 2021/09652. 22: 2021/11/26. 43: 2024/11/15
 51: F28D; F28F
 71: Lummus Technology LLC
 72: MACEDO, Eric Drew, JIBB, Richard John, ELSAYED, Sherif, O'SULLIVAN, Melanie
 33: US 31: 16/428,582 32: 2019-05-31
54: HELICALLY BAFFLED HEAT EXCHANGER
 00: -

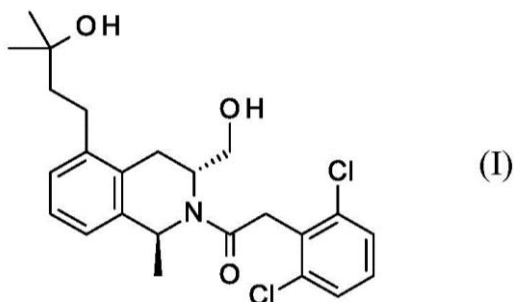
A heat exchanger including a shell having a longitudinal axis, a plurality of baffles, such as elliptical sector-shaped baffles, each mounted in the shell at a helix angle H_B to guide a fluid flow into a helical pattern through the shell. Each of the plurality of baffles includes an outer circumferential edge, a proximal radial edge, a distal radial edge, a proximal side, a distal side, and a plurality of spaced apart holes that are traversed by a plurality of axially extending tubes. Each of the first plurality of seal strips is disposed from a proximal of the plurality of baffles to a distal of the plurality of baffles.



21: 2021/09907. 22: 2021/12/02. 43: 2024/11/07
 51: C07D
 71: Eli Lilly and Company
 72: COLE, Kevin Paul, KALLMAN, Neil John, MAGNUS, Nicholas Andrew
 33: US 31: 62/862,805 32: 2019-06-18

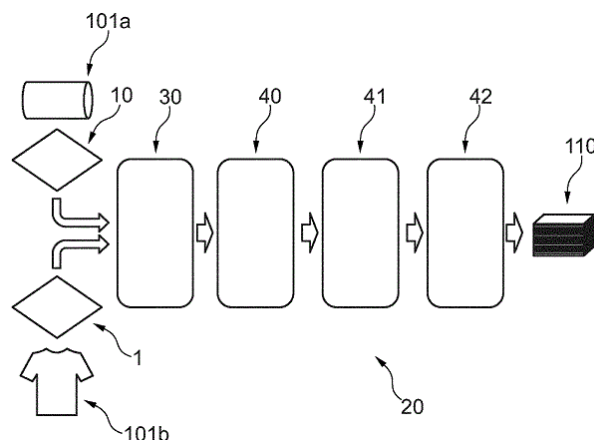
54: PROCESSES AND INTERMEDIATES FOR THE PREPARATION OF 2-(2,6-DICHLOROPHENYL)-1-[(1S,3R)-3-(HYDROXYMETHYL)-5-(3-HYDROXY-3-METHYLBUTYL)-1-METHYL-3,4-DIHYDROISOQUINOLIN-2(1H)-YL]ETHANONE

00: -
The embodiments of present invention provide processes and intermediates for the preparation of D1 PAM I: Formula (I).



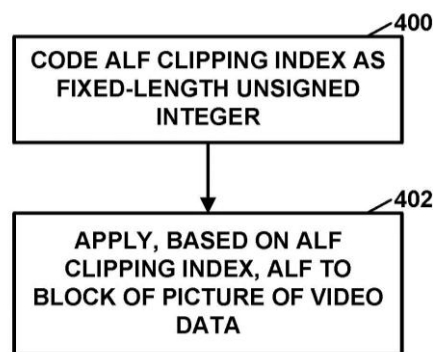
21: 2021/09963. 22: 2021/12/03. 43: 2024/10/29
51: D21C C08L
71: LENZING AKTIENGESELLSCHAFT
72: HERCHL, Richard, SCHILD, Gabriele, WEILACH, Christian
33: EP 31: 19178183.0 32: 2019-06-04
54: COMMON PREPARATION OF LIGNOCELLULOSIC FEEDSTOCK AND A PRODUCT CONTAINING CELLULOSE BUT FREE FROM LIGNIN

00: -
The invention relates to a method for providing a prepared cellulose-containing mixed source material (110), in particular, a mixed source material (110) for forming a cellulose shaped body (102), in particular, a regenerated cellulose shaped body. The method comprises: i) providing (10) a first source material (101a), which comprises a lignocellulosic feedstock, ii) providing (1) a second source material (101b), which comprises a product containing cellulose but free from lignin, iii) mixing (15) the first source material (101a) and the second source material (101b) into a mixed source material (101), and iv) preparing (20), at least partially in common, the first source material (101a) and the second source material (101b) to obtain the prepared mixed source material (110), in particular a mixed cellulose.



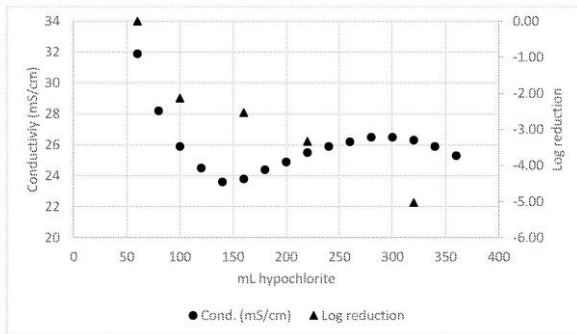
21: 2021/10269. 22: 2021/12/10. 43: 2024/11/06
51: H04N
71: QUALCOMM Incorporated
72: HU, Nan, SEREGIN, Vadim, EGILMEZ, Hilmi Enes, KARCZEWICZ, Marta
33: US 31: 62/859,948 32: 2019-06-11
54: CLIPPING INDICES CODING FOR ADAPTIVE LOOP FILTER IN VIDEO CODING

00: -
A video coder is configured to code an adaptive loop filter (ALF) clipping index as a fixed-length unsigned integer. The video coder may apply, based on the ALF clipping index, an ALF to a block of a picture of the video data.



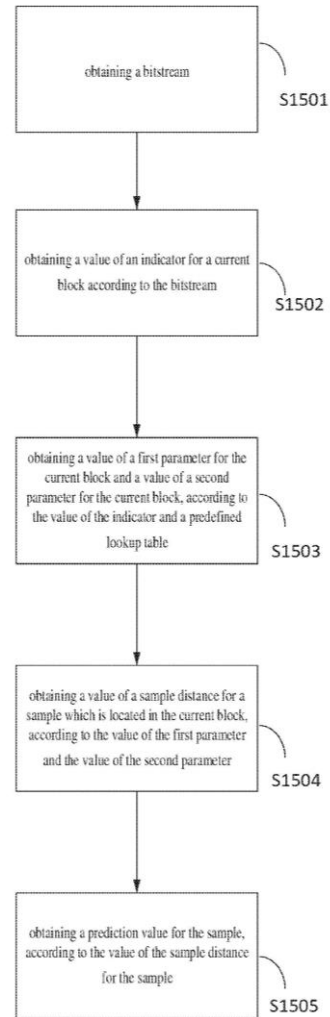
21: 2021/10489. 22: 2021/12/15. 43: 2024/11/06
51: A01N; C02F
71: A.Y. Laboratories Ltd.
72: BARAK, Ayala
33: US 31: 62/869,273 32: 2019-07-01
54: METHOD FOR PRODUCING A BIOCID
00: -
A method for producing a biocide from a hypochlorite oxidant and an ammonium salt is provided. The method focuses on preventing and/or reducing the presence of excess ammonium. The

molar ratio of ammonium to hypochlorite is less than 1:1. In a preferred embodiment, the method includes monitoring the conductivity of the biocide to optimize the ratio between the hypochlorite oxidant and the ammonium salt. The optimum ratio is that at which the conductivity has a local maximum.



21: 2021/10490. 22: 2021/12/15. 43: 2024/11/06
 51: H04N
 71: Huawei Technologies Co., Ltd.
 72: ESENLIK, Semih, BLAESER, Max, ZHAO, Zhijie, GAO, Han, KOTRA, Anand Meher, WANG, Biao, ALSHINA, Elena Alexandrovna
 33: PCT/EP(DE) 31: 2019/066432 32: 2019-06-21
54: AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR SUB-BLOCK PARTITIONING MODE

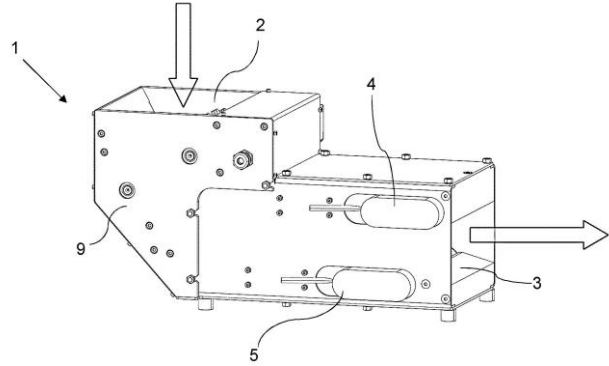
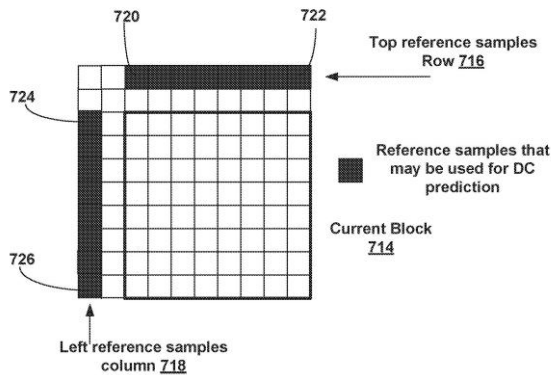
00: -
 A method of coding implemented by a decoding device, comprising obtaining a bitstream; obtaining a value of an indicator for a current block according to the bitstream; obtaining a value of a first parameter for the current block and a value of a second parameter for the current block, according to the value of the indicator and a predefined lookup table; obtaining a value of a sample distance for a sample which is located in the current block, according to the value of the first parameter and the value of the second parameter; obtaining a prediction value for the sample, according to the value of the sample distance for the sample.



21: 2021/10594. 22: 2021/12/17. 43: 2024/11/06
 51: H04N
 71: QUALCOMM Incorporated
 72: RAMASUBRAMONIAN, Adarsh Krishnan, VAN DER AUWERA, Geert, PHAM VAN, Luong, KARCZEWICZ, Marta
 33: US 31: 62/864,422 32: 2019-06-20
54: DC INTRA MODE PREDICTION IN VIDEO CODING

00: -
 The disclosure describes examples for determining samples to use for DC intra mode prediction, such as where the samples are in a row or column that is not immediately above or immediately left of the current block. The samples may be aligned with the current block such that a last sample in the samples in a row above the current block is in same column as last column of the current block and such that a last sample in the samples in a column left of the

current block is in the same row as the last row of the current block.



21: 2021/10599. 22: 2021/12/17. 43: 2024/11/06
51: F41A

71: John Cockerill Defense SA

72: COLOMINE, Anthony, GRITSKEVITCH, Innokenty

33: EP(BE) 31: 19175940.6 32: 2019-05-22

54: DEVICE FOR EJECTING AMMUNITION LINKS

00: -

A device (1) for automatically discharging ammunition links (6) originating from a weapon capable of firing at a certain rate, comprising a casing (9) provided with at least the following elements, the specific features of which that are described hereinafter correspond to an operating configuration: - a proximal ramp (10) of the input opening (2) connected to a flat horizontal proximal path (11) of the output opening (3); - two channeliser rollers (7) with parallel axes and inversely rotating relative to each other and located on the ramp (10), separated by a gap able to allow through and guide the links on the ramp (10); - two propulsion and guidance rollers (4, 5), located on either side of the flat horizontal path (11); - means for synchronised activation of the channeliser rollers (7) and the propulsion rollers (4, 5); the speed of the propulsion rollers (4, 5) being adjusted as a function of the rate of firing of the weapon and determining the speed of outwards ejection of the links (6).

21: 2021/10688. 22: 2021/12/20. 43: 2024/11/15

51: A01D; A01F

71: Monsanto Technology LLC

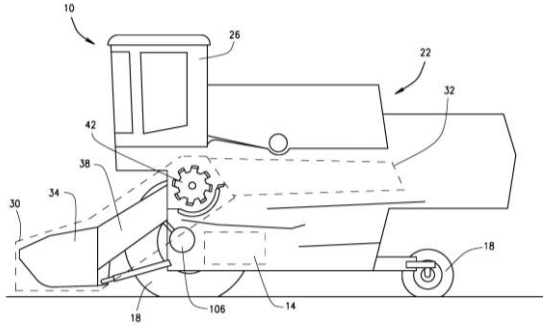
72: CARTER, Edward V., RICH, Gregory T., SCHLEEPER, David J.

33: US 31: 62/869,991 32: 2019-07-02

54: PLANT PRODUCT HARVESTING MACHINE FEEDERHOUSE

00: -

A harvesting machine feederhouse that comprises an outer body connectable to and between a head unit and a thresher of the machine. The feederhouse additionally comprises a liner disposed across a bottom surface of the outer body, and at least one conveyor rotatably disposed within the outer body for conveying harvested plant product received from the head unit along the liner into the thresher. Each conveyor includes a first guide, a second guide, a pair of conveyor transports that extend between, and are disposed around, the first guide and the second guide. Each conveyor additionally includes a plurality of plant product sweeps disposed across and connected to the transports. Each sweep is sized to contact the liner as the conveyor transports are rotated around the first guide and second guide, thereby conveying plant product received from the head unit along the liner into the thresher.



21: 2021/10693. 22: 2021/12/20. 43: 2024/11/06
51: H04N

71: Huawei Technologies Co., Ltd.

72: CHEN, Xu, YANG, Haitao, ZHANG, Lian

33: CN 31: 201910531988.7 32: 2019-06-19

54: METHOD FOR CONSTRUCTING MERGE CANDIDATE MOTION INFORMATION LIST, APPARATUS, AND CODEC

00: -

Disclosed are a method and device for constructing a merge candidate motion information list, and a codec. The method comprises: acquiring a first candidate motion information set; acquiring first motion information according to motion information in the first candidate motion information set; adding the first motion information to the first candidate motion information set to obtain a second candidate motion information set; acquiring second motion information according to an HMVP candidate motion information list; when the second motion information is different from motion information in the second candidate motion information set, adding the second motion information to the second candidate motion information set to obtain a third candidate motion information set; and when the number of pieces of motion information in the third candidate motion information set is equal to a pre-set threshold, using the third candidate motion information set as a merge candidate motion information list. The implementation of the present application can reduce the complexity of the construction of a merge candidate motion information list and improve the coding and decoding efficiency.

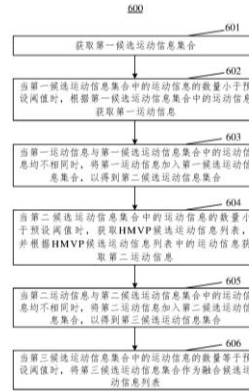


图6

601 Acquire a first candidate motion information set
602 When the number of pieces of motion information in the first candidate motion information set is less than a pre-set threshold, acquire first motion information according to motion information in the first candidate motion information set
603 When the first motion information is different from the motion information in the first candidate motion information set, add the first motion information to the first candidate motion information set to obtain a second candidate motion information set
604 When the number of pieces of motion information in the second candidate motion information set is less than a pre-set threshold, acquire an HMVP candidate motion information list, and acquire second motion information according to motion information in the HMVP candidate motion information list
605 When the second motion information is different from the motion information in the second candidate motion information set, add the second motion information to the second candidate motion information set to obtain a third candidate motion information set
606 When the number of pieces of motion information in the third candidate motion information set is equal to a pre-set threshold, use the third candidate motion information set as a merge candidate motion information list

21: 2021/10805. 22: 2021/12/22. 43: 2024/11/15
51: A61K; A61P; C07D

71: Eli Lilly and Company

72: ABURUB, Aktham, COATES, David Andrew, FRANK, Scott Alan, KERR, Mark Steven, ROTHHAAR, Roger Ryan, VAID, Radhe Krishan

33: US 31: 62/871,965 32: 2019-07-09

54: PROCESSES AND INTERMEDIATE FOR THE LARGE-SCALE PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-PYRIDIN-2-YL]-BENZAMIDE HEMISUCCINATE, AND PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-PYRIDIN-2-YL]-BENZAMIDE ACETATE

00: -

The embodiments of present invention provide processes and an intermediate for the large-scale preparation of 2,4,6-trifluoro-N-[6-(1-methylpiperidine-4-carbonyl)-2-pyridyl]benzamide hemisuccinate, and formulations and product forms made by these processes. The embodiments of the present invention further provide for the preparation of lasmiditan acetate, 2,4,6-trifluoro-N-[6-(1-methylpiperidine-4-carbonyl)-2-pyridyl]benzamide acetate salt, and/or pharmaceutical compositions thereof, and/or uses of lasmiditan acetate and formulations thereof in subcutaneous drug delivery.

21: 2021/10869. 22: 2021/12/23. 43: 2024/11/15
51: H04W

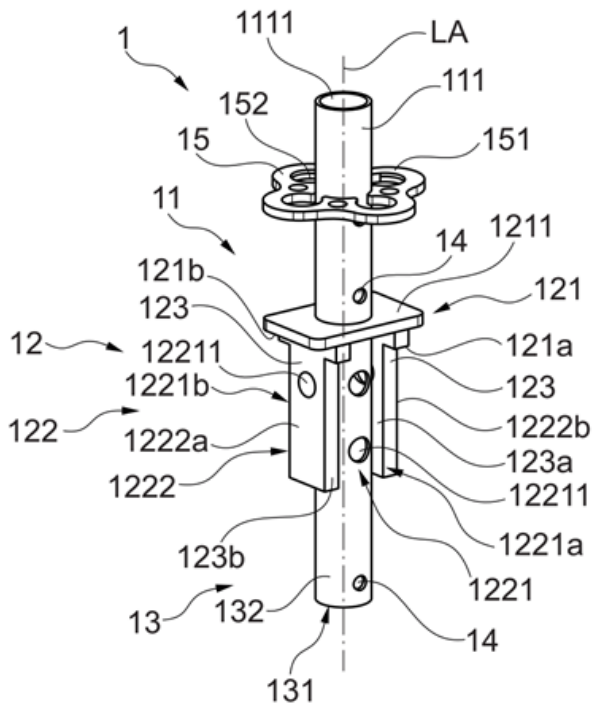
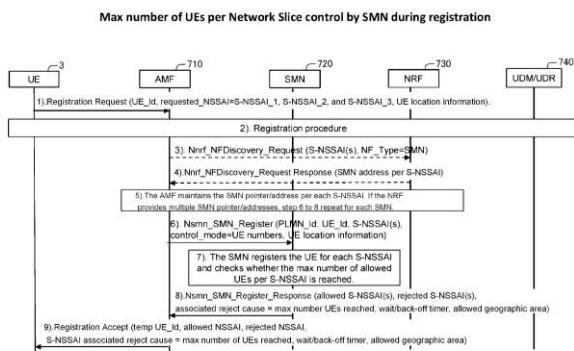
71: NEC Corporation

72: IANEV, Iskren, TAMURA, Toshiyuki

33: EP(DE) 31: 19185344.9 32: 2019-07-09

54: NETWORK NODE, METHOD FOR A NETWORK NODE, USER EQUIPMENT AND METHOD FOR USER EQUIPMENT FOR NETWORK SLICE USAGE CONTROL

00: -
 The invention proposes solutions for monitoring and controlling the maximum number of the UEs registered in a Network Slice, the maximum number of the established PDU Sessions in a Network Slice and the maximum number of the Uplink and Downlink data rates per UE in a Network Slice. The invention also enforces access and service restriction in a Network Slice when the Network Slice parameters boundaries have been reached.

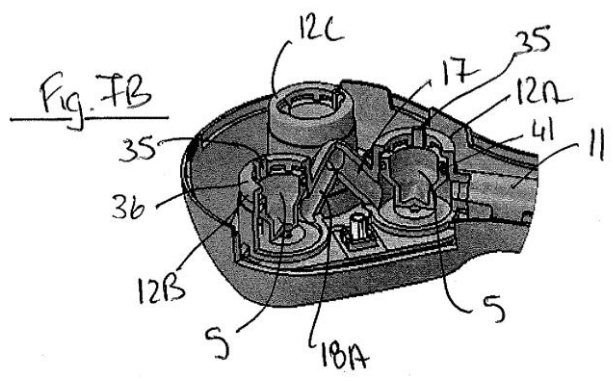
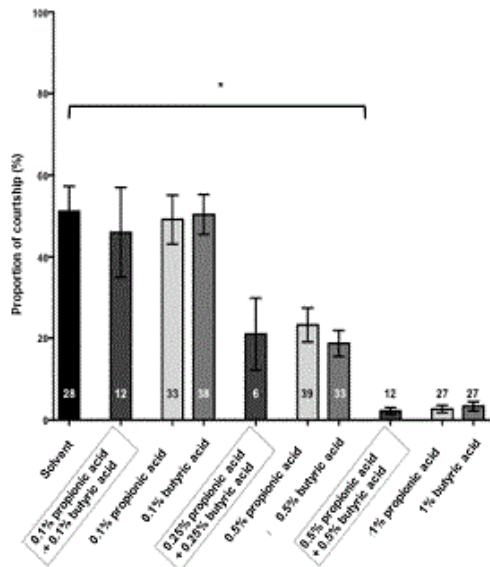


21: 2022/02474. 22: 2022/02/28. 43: 2024/12/11
 51: E04G
 71: PERI SE
 72: NEUWIRTH, Detlef, WINTER, Franz
 33: DE 31: 20 2021 101 627.2 32: 2021-03-26
54: CONNECTING COMPONENT

00: -
 The invention relates to a connecting component for connecting scaffolding systems, comprising at least a first connection region for connection to a first scaffolding system and which has a shaft that extends along a longitudinal axis, and an attachment region for connection to a second scaffolding system, wherein the first connection region and the attachment region are arranged adjacent to one another in the direction of the longitudinal axis and the first connection region has a receptacle in its interior, at least on its side pointing away from the attachment region, which extends in the direction of the longitudinal axis. The attachment region has an abutment adjacent to the first connection region extending in a direction essentially perpendicular to the longitudinal axis, and the abutment has the longest dimension of the attachment region in the direction essentially perpendicular to the longitudinal axis. The invention further relates to a scaffolding section.

21: 2022/03264. 22: 2022/03/18. 43: 2024/11/14
 51: A01N
 71: UNIVERSITE DE BOURGOGNE, INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE
 72: MARTINE BERTHELOT-GROSJEAN, YAËL GROSJEAN, GÉRARD MANIERE
 33: EP 31: 19306102.5 32: 2019-09-13
54: REPELLENT COMPOSITION AND USES

00: -
 The present invention relates to the use of at least one fatty acid, advantageously volatile and odorous, selected from the group comprising propionic acid, butyric acid and/or a derivative thereof as a repellent active principle and/or for controlling the reproduction of brachycera, and to the use of an, in particular phytosanitary, composition comprising at least one fatty acid, advantageously volatile and odorous, selected from the group comprising propionic acid, butyric acid and/or a derivative thereof as a repellent active principle and/or for controlling the reproduction of brachycera advantageously by olfaction, and non-insecticidal. The present invention can be used in the agricultural, veterinary and phytosanitary fields.



21: 2022/03881. 22: 2022/04/05. 43: 2024/11/11

51: B05B

71: GJOSA SA

72: GABELLA, Thomas, GANSHOF VAN DER MEERSCH, Nicolas

33: GB 31: 1913116.8 32: 2019-09-11

54: A SHOWER HEAD INSERT

00: -

A shower head insert (1) comprises at least two water nozzle cartridges (5), each having at least two nozzles (30) configured to produce water jets that impact to atomise the liquid producing droplets of water, and an injection moulded water distribution system (4) to supply liquid to the at least two water nozzle cartridges. The water distribution system comprises at least two sockets (12A, 12B, 12C) for receiving the water nozzle cartridges (5), a central water inlet conduit (11) in liquid communication with the first socket (12A), and a narrow bore conduit (14) providing high pressure liquid communication between the first and second sockets. The narrow bore conduit is configured to allow removal of conduit inner mould needles from the conduit after injection moulding through an open end of the sockets and in one embodiment comprises an upwardly depending section (17) and downwardly depending sections (18A, 18B). A shower head or shower head assembly comprising the shower head insert, and a water nozzle cartridge for the shower head insert, are also provided.

21: 2022/04156. 22: 2022/04/12. 43: 2024/12/11

51: H04N

71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.

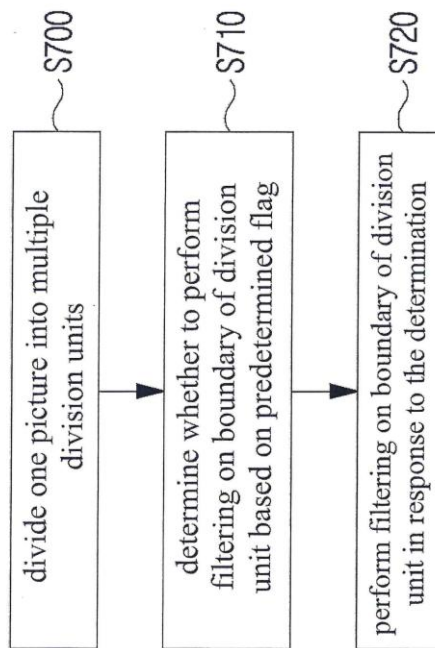
72: KIM, Ki Baek

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.

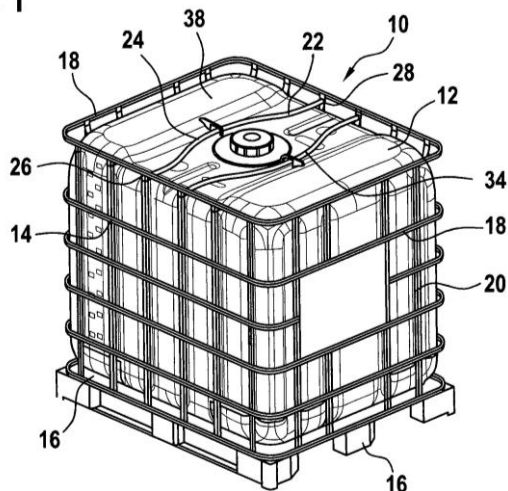


21: 2022/04421. 22: 2022/04/20. 43: 2024/11/11

51: B65D
 71: MAUSER-WERKE GMBH
 72: BISCHOFF, Sebastian, MEYER, Markus,
 SCHMIDT, Klaus-Peter
 33: DE 31: 20 2019 004 316.0 32: 2019-10-18
 33: DE 31: 20 2019 004 962.2 32: 2019-12-05
54: PALLET CONTAINER

00: -
 The present invention relates to a pallet container (10) for storing and transporting liquid or free-flowing filling materials, having a thin-walled, rigid inner plastic container (12) made of thermoplastic, having a tubular lattice frame (14), which tightly encloses the inner plastic container (12) as a supporting jacket and which is made of welded-together horizontal and vertical tubular rods (18, 20), and having a base pallet (16) on which the inner plastic container (12) rests and to which the tubular lattice frame (14) is firmly connected, wherein at least two rod-shaped crossbeams (22) are provided above the inner plastic container (12), the two ends of which are fastened to two opposing lateral walls in the upper region of the tubular lattice frame (14). In order to protect the upper region of the tubular lattice frame (14) against adverse effects of impact stresses and transport vibrations, according to the invention, the crossbeams (22) are designed as resilient spring elements (24).

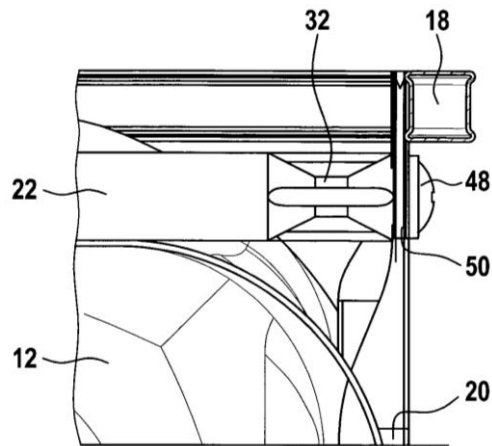
Fig. 1



21: 2022/04426. 22: 2022/04/20. 43: 2024/11/11
 51: B65D
 71: MAUSER-WERKE GMBH
 72: BISCHOFF, Sebastian, MEYER, Markus,
 SCHMIDT, Klaus-Peter

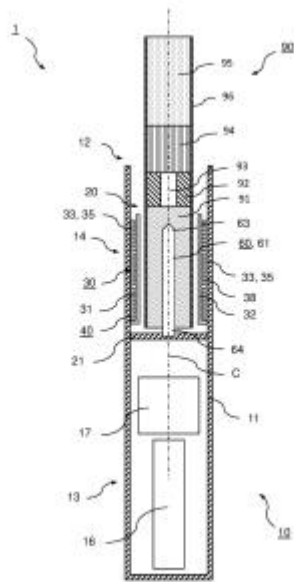
33: DE 31: 20 2019 004 962.2 32: 2019-05-12
 33: DE 31: 20 2019 004 316.0 32: 2019-10-18
54: PALLET CONTAINER

00: -
 The present invention relates to a pallet container (10) for storing and transporting liquid or flowable filling materials, having a thin-walled rigid inner container (12) made of thermoplastic, having a tubular lattice frame (14) tightly enclosing the plastic inner container (12) as a supporting jacket, said tubular lattice frame (14) being made of welded-together horizontal and vertical tubular rods (18, 20), and having a base pallet (16) on which the plastic inner container (12) rests and to which the tubular lattice frame (14) is firmly connected, wherein above the plastic inner container (12) at least two rod-shaped cross-members (22) are provided each end of which is fastened to two opposing sidewalls in the upper zone of the tubular lattice frame (14) via a respective screw connection. In order to make the handling of pallet containers (10), including physically touching them in the upper zone of the tubular lattice frame (14), safer and avoid any potential risk of injury, the screw connections of the cross-members (22) are completely concealed.



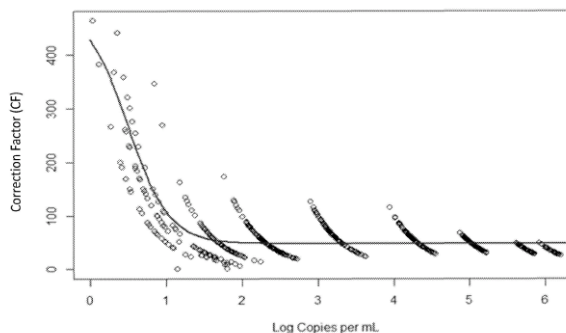
21: 2022/05987. 22: 2022/05/30. 43: 2025/01/10
 51: A24F; H05B
 71: PHILIP MORRIS PRODUCTS S.A.
 72: MIRONOV, Oleg, COURBAT, Jerome, Christian,
 STURA, Enrico
 33: EP 31: 19206547.2 32: 2019-10-31
**54: AEROSOL-GENERATING DEVICE FOR
 INDUCTIVE HEATING OF AN AEROSOL-
 FORMING SUBSTRATE**
 00: -

The present invention relates to an aerosol-generating device (10) for generating an aerosol by inductively heating an aerosol-forming substrate (91). The device comprises a device housing comprising a cavity (20) configured for removably receiving the aerosol-forming substrate (91) to be heated. The device further comprises an inductive heating arrangement comprising an induction coil (31) for generating an alternating magnetic field within the cavity, wherein the induction coil is arranged around at least a portion of the receiving cavity (20). The device also comprises a flux concentrator (33) arranged around at least a portion of the induction coil and configured to distort the alternating magnetic field of the inductive heating arrangement towards the cavity during use of the device, wherein the flux concentrator comprises, in particular is made of a flux concentrator foil. The invention further relates to an aerosolgenerating system comprising an aerosol-generating device according to the invention and an aerosol-generating article for use with the device, wherein the article comprises an aerosol-forming substrate to be heated.



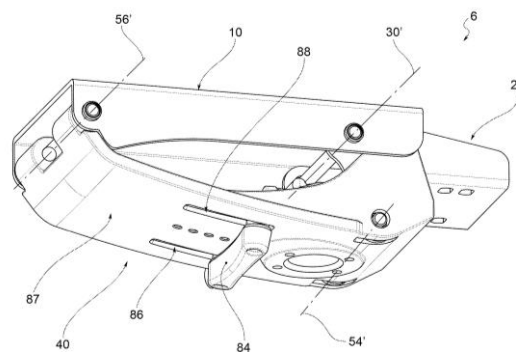
21: 2022/07380. 22: 2022/07/04. 43: 2024/10/29
 51: C12Q
 71: Gen-Probe Incorporated
 72: NAIR, Sangeetha Vijaysri, WANG, Xianqun
 33: US 31: 62/945,685 32: 2019-12-09
54: QUANTIFICATION OF POLYNUCLEOTIDE ANALYTES FROM DRIED SAMPLES
 00: -

Presented are methods, systems, and software products useful for determining the concentration of an analyte in a fluid specimen used to produce a dried sample, where the dried sample serves as a source of the analyte in a detection and quantification procedure. Particularly illustrated is the use of dried blood spots for quantifying a polynucleotide analyte.



21: 2022/07713. 22: 2022/07/12. 43: 2025/01/10
 51: A47C
 71: DONATI S.P.A.
 72: DONATI, Armando
 33: IT 31: 102020000002332 32: 2020-02-06
54: OSCILLATION MECHANISM FOR A CHAIR OR ARMCHAIR
 00: -

An oscillation mechanism (6) for a chair or armchair comprises a functional body (40) having at least one flexible unit portion, which is elastically deformable in bending for the oscillation of the seat and backrest.



21: 2022/08469. 22: 2022/07/28. 43: 2024/11/05
 51: E21B
 71: Sandvik Mining and Construction Tools AB
 72: LOIKKANEN, Joonas, LINDBLOM, Anders
 33: EP(SE) 31: 20158642.7 32: 2020-02-21
54: ROLLER CUTTING TOOL WITH IMPROVED SEALING

00: -

A roller cutter for a drill head for raise boring said roller cutter having a shaft with a longitudinal centre line; a hub rotatably mounted on the shaft; a seal retainer located between the axial ends of the hub and the shaft at least arranged at one end of the roller cutter; the seal retainer supporting a primary cutter seal providing sealing between the shaft and the hub in both axial and radial directions, a secondary cutter seal located between the seal retainer and the hub, and that the secondary cutter seal provides sealing in the axial direction.

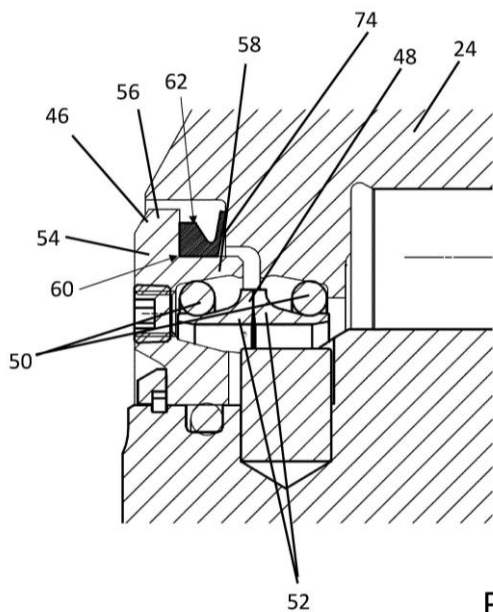


Fig 4

21: 2022/08613. 22: 2022/08/01. 43: 2024/12/10
 51: C12M; G01N
 71: GENZYME CORPORATION
 72: WANG, Jonathan, SHAH, Neha, WALTHER, Jason, LU, Jiuyi, JOHNSON, Timothy, REN, Yukun, MCLARTY, Jean

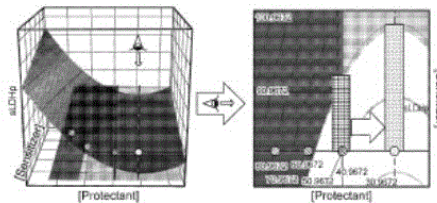
33: US 31: 62/644,339 32: 2018-03-16
 33: US 31: 62/645,755 32: 2018-03-20

54: METHODS FOR IMPROVING CELL VIABILITY IN A PRODUCTION BIOREACTOR

00: -

Provided herein are methods of predicting the effect of a concentration of a sensitizer on cell viability in a production bioreactor, methods of improving cell viability in a production bioreactor, methods of predicting cell viability in a production bioreactor, and methods for culturing a cell in a production bioreactor.

Process Optimization



21: 2022/09076. 22: 2022/08/12. 43: 2024/12/09
 51: A61K; C07K; C12N; C12P; A61P
 71: FINA BIOSOLUTIONS, LLC
 72: CHANG, Min-Ju, OGANESYAN, Natalia, LEES, Andrew
 33: US 31: 16/819,775 32: 2020-03-16
 33: US 31: 62/990,083 32: 2020-03-16
 33: US 31: 63/152,954 32: 2021-02-24

54: PRODUCTION OF SOLUBLE RECOMBINANT PROTEIN

00: -

The invention is directed to methods and compositions for the expression and purification of products such as peptides and proteins in microorganisms. In particular, pre-products are expressed recombinantly, wherein the cytoplasm of the microorganism alters the expressed pre-products to produce products in an active/final or otherwise desirable form. Alterations associated with expression of a desired recombinant product include shifting of the redox state of the cytoplasm to allow proper protein folding, site-directed cleavage of pre-proteins to activate the protein, site-directed cleavage of an unwanted methionine from the N terminus of the protein, and/or one or more ligations to form desired protein configurations, all within the same cell.

21: 2022/09187. 22: 2022/08/16. 43: 2024/12/09
 51: A61K; A61P
 71: INVENTPRISE, INC., THE BILL & MELINDA GATES FOUNDATION
 72: KAPRE, Subhash V., DATTA, Anup K., KLUGMAN, Keith P.
 33: US 31: 62/962,535 32: 2020-01-17

54: MULTIVALENT STREPTOCOCCUS VACCINES

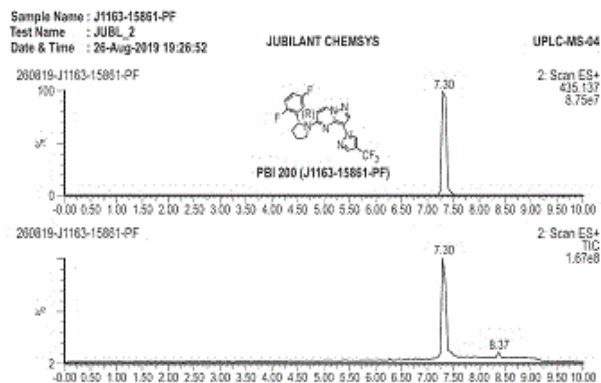
00: -

The invention is directed to immunogenic compositions, including vaccines, containing multivalent immunogenic composition comprising 25 different serotypes of capsular polysaccharides of S.

pneumoniae. Compositions are preferably liquid and thermo stable for periods of time that allow for distribution and use. The invention is also directed to method for the manufacture and methods for the administration of 25 valent immunogenic compositions of *S. pneumoniae*.

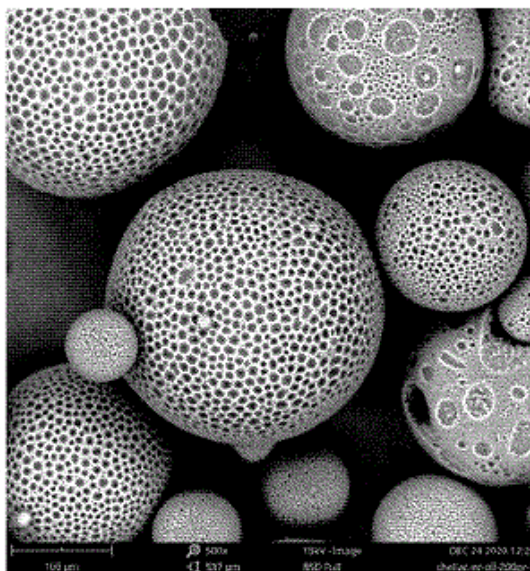
21: 2022/09792. 22: 2022/09/01. 43: 2024/11/14
 51: A61K; C07D
 71: PYRAMID BIOSCIENCES, INC.
 72: PAL, KOLLOL, DEB, PRASANT, PRAKASH, HARI, BORUDE, AVINASH
 33: US 31: 63/010,108 32: 2020-04-15
54: METHODS FOR PREPARING TYROSINE RECEPTOR KINASE INHIBITORS

00: -
 The present disclosure relates to pyrazolo[1,5- α]pyrimidine compounds useful as TRK inhibitors and compounds useful in preparing pyrazolo[1,5- α]pyrimidine compounds, and methods of making and using same. This abstract is intended as a scanning tool for purposes of searching in the particular art and is not intended to be limiting of the present invention.



21: 2022/09984. 22: 2022/09/07. 43: 2024/11/14
 51: A23L; A23P; A61K; B01J
 71: NUVERSYS LTD.
 72: KVITNITSKY, EMMA, SNIR, RAM, MUSA, SANAA, PALUY, IRENA, PRIVALOVA, OLGA, LITINETSKY, INNA, BEERI, YEHOYADA
 33: US 31: 62/983,919 32: 2020-03-02
54: A STABLE FOOD-GRADE MICROCAPSULE FOR THE DELIVERY OF UNSTABLE AND FOOD-INCOMPATIBLE ACTIVE INGREDIENTS TO FOOD PRODUCTS
 00: -

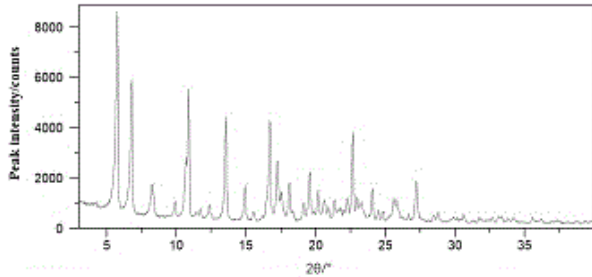
Stable food-grade microcapsule designed to deliver a composition comprising at least one active substance to a food product; use of such microcapsules in the food industry; food products, food supplements, food articles and raw materials comprising such microcapsules are provided.



21: 2022/10075. 22: 2022/09/09. 43: 2024/11/14
 51: C07D; A61P; A61K
 71: JIANGSU YAHONG MEDITECH CO., LTD., ASIERIS PHARMACEUTICALS (SHANGHAI) CO., LTD.
 72: WU, LIANG, ZHOU, CHEN, DENG, YIJUN
 33: CN 31: 202010236147.6 32: 2020-03-30
54: CRYSTAL FORM OF NITROXOLINE PRODRUG, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF
 00: -

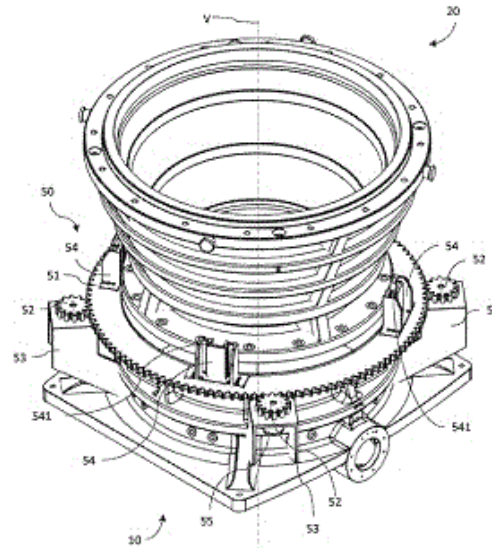
The present invention relates to a crystal form of a nitroxoline prodrug, a pharmaceutical composition containing same, and a preparation method therefor and an application thereof. An X-ray powder diffraction pattern of a crystal form A comprises characteristic peaks at $5.74 \pm 0.2^\circ$, $6.78 \pm 0.2^\circ$, $10.86 \pm 0.2^\circ$, $13.54 \pm 0.2^\circ$, $16.70 \pm 0.2^\circ$, and $22.65 \pm 0.2^\circ$; an X-ray powder diffraction pattern of a crystal form B comprises characteristic peaks at $5.44 \pm 0.2^\circ$, $10.90 \pm 0.2^\circ$, $14.09 \pm 0.2^\circ$, $16.17 \pm 0.2^\circ$, $17.92 \pm 0.2^\circ$, $20.66 \pm 0.2^\circ$, and $23.13 \pm 0.2^\circ$. Compared with nitroxoline, the crystal forms A and B in the present application are not prone to staining, have low

requirements for equipment, and are more suitable for industrial production; the stable properties are more conducive to quality control on industrial production and stability in drug efficacy. ent



21: 2022/10126. 22: 2022/09/12. 43: 2024/11/14
 51: B02C
 71: METSO OUTOTEC USA INC.
 72: NICHOLLS, CARL, VANZYL, IAN
 33: SE 31: 2050768-7 32: 2020-06-26
54: A GYRATORY CRUSHER, A METHOD FOR ROTATING AN UPPER CRUSHER FRAME AND A RETROFITTING KIT

00: -
 The disclosure relates to a gyratory crusher (1) for comminution of material fed into the crusher, the gyratory crusher comprising: an upper crusher frame (20) for supporting one or more wear parts (23), wherein the upper crusher frame (20) is configurable between an operation mode and a rotation mode; a lower crusher frame (10); wherein the upper crusher frame (20) in the operation mode is in engagement with the lower crusher frame (10); and a rotation device (50) configured to rotate the upper crusher frame (20) in relation to the lower crusher frame (10), and wherein the rotation device (50) comprises a gear ring (51) configured to be rotatable relative to the lower crusher frame (10) around a vertical axis (V). The disclosure further relates to a method, and a retrofitting kit, for rotating an upper crusher frame of a gyratory crusher relative to a lower crusher frame of the gyratory crusher.



21: 2022/10213. 22: 2022/09/14. 43: 2024/11/14
 51: H01Q
 71: ALL SPACE NETWORKS LIMITED
 72: TURPIN, JEREMIAH P, FINNEY, JOHN
 33: US 31: 62/981,367 32: 2020-02-25
54: PRISM FOR REPOINTING REFLECTOR ANTENNA MAIN BEAM

00: -
 A microwave prism is used to re-point an operational Direct-to-Home (DTH) or Very Small Aperture Terminal (VSAT) reflector antenna as part of a ground terminal to receive (or transmit) signals from a different satellite or orbital position without physically moving the reflector or the feed horn antenna. The microwave prism operates by shifting the radiated fields from the horn antenna generally perpendicular to the focal axis of the parabolic reflector in order to cause the main beam of the reflector to scan in response. For an existing reflector antenna receiving signals from an incumbent satellite, a prism has been designed to be snapped into place over the feed horn and shift the fields laterally by a calibrated distance. The structure of the prism is designed to be positioned and oriented correctly without the use of skilled labor. This system allows a satellite service provider to re-point their subscribers to a new satellite by shipping a self-install kit of the prism that is pre-configured to have the correct orientation and position on the feed antenna to correctly re-point the beam at a different satellite once the prism is applied. One benefit of the system is that unskilled

labor, i.e., the subscribers themselves, can be used to repoint a large number of subscriber antennas in a satellite network rather than requiring the cost of a truck roll and a technician to visit every site. The microwave prisms to implement this functionality can be constructed in different ways, with homogeneous slabs or blocks, Gradient-Index (GRIN), multi-layered dielectric, geometric or graded-index Fresnel-zone, metasurface, or metamaterial prisms. The geometric and electrical constraints of the design are determined by the incumbent and target satellites, and the ground terminal location.

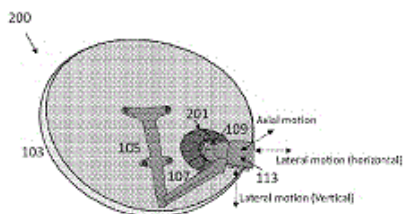
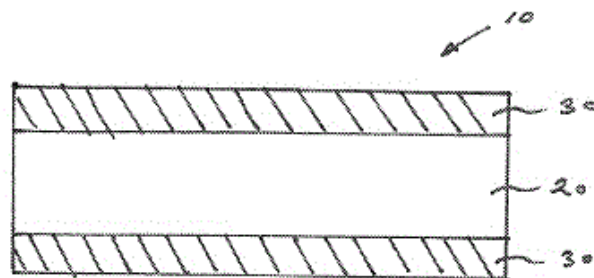


Fig. 1

21: 2022/10476. 22: 2022/09/21. 43: 2024/11/14
 51: B32B; C22C; C22F; B23K; B21B
 71: NOVELIS KOBLENZ GMBH
 72: BÜRGER, ACHIM, SPANGEL, SABINE MARIA, MEYER, PHILIPPE

33: EP 31: 20172082.8 32: 2020-04-29
54: CLAD 2XXX-SERIES AEROSPACE PRODUCT
 00: -

Provided herein is a rolled composite aerospace product comprising a 2XXX-series core layer and an Al-Cu alloy clad layer coupled to at least one surface of the 2XXX-series core layer, wherein the Al-Cu alloy is an aluminium alloy comprising about 0.06% to 2.8% Cu, and preferably about 0.10% to 1.8% Cu. The rolled composite aerospace product is ideally suitable for structural aerospace parts. Also described herein is a method of manufacturing a rolled composite aerospace product.



21: 2022/10526. 22: 2022/09/22. 43: 2024/11/04
 51: C12N; A61K; C07H
 71: BIONTECH SE

21: 2022/10359. 22: 2022/09/19. 43: 2024/11/14
 51: G07D
 71: SCAN COIN AB
 72: WALLMAN-CARLSSON, VICTOR, BENGTTSSON, KRISTIAN
 33: EP 31: 20158757.3 32: 2020-02-21
54: A CASH BAG SEALING DEVICE, A CASH DEPOSITING SYSTEM AND A METHOD FOR CONTROLLING THE SAME
 00: -

The disclosure relates to a cash bag sealing device (100) for retaining and sealing a cash bag (1) into which cash can be deposited and stored, wherein said cash bag sealing device (100) comprises a supporting structure (102) onto which two sealing jaws (104, 106) are oppositely arranged and of which at least one is reciprocally moveable between a sealing position and an open position and wherein at least one sealing jaw (104, 106) comprises a heating element (108), the cash bag sealing device (100) being configured to form a seal in the cash bag (1) by the reciprocally moveable sealing jaw (104, 106) pressing the cash bag (1) against the other sealing jaw (104, 106) in the sealing position and by heating said heating element (108), and wherein at least one of the sealing jaws (104, 106) comprises at least one cash bag fastener (200).

72: SAHIN, UGUR, GÜLER, ALPTEKIN, KUHN, ANDREAS, MUIK, ALEXANDER, VOGEL, ANNETTE, WALZER, KERSTIN, WITZEL, SONJA, HEIN, STEPHANIE, TÜRECI, ÖZLEM, BOROS, GÁBOR, MAHINY, AZITA JOSEFINE, REINHOLZ, JONAS, KARIKO, KATALIN

- 33: EP 31: PCT/EP2020/066968 32: 2020-06-18
- 33: EP 31: PCT/EP2020/071733 32: 2020-07-31
- 33: EP 31: PCT/EP2020/073668 32: 2020-08-24
- 33: EP 31: PCT/EP2020/081981 32: 2020-11-12
- 33: EP 31: PCT/EP2020/082989 32: 2020-11-20
- 33: EP 31: PCT/EP2020/083435 32: 2020-11-25
- 33: EP 31: PCT/EP2020/084342 32: 2020-12-02
- 33: EP 31: PCT/EP2020/085653 32: 2020-12-10
- 33: EP 31: PCT/EP2021/050027 32: 2021-01-04
- 33: EP 31: PCT/EP2021/051772 32: 2021-01-26
- 33: EP 31: PCT/EP2021/052716 32: 2021-02-04
- 33: EP 31: PCT/EP2021/059947 32: 2021-04-16
- 33: EP 31: PCT/EP2020/061239 32: 2020-04-22
- 33: EP 31: PCT/EP2020/068174 32: 2020-06-26
- 33: EP 31: PCT/EP2020/081544 32: 2020-11-09
- 33: EP 31: PCT/EP2020/082601 32: 2020-11-18
- 33: EP 31: PCT/EP2020/085145 32: 2020-12-08
- 33: EP 31: PCT/EP2020/087844 32: 2020-12-23
- 33: EP 31: PCT/EP2021/050874 32: 2021-01-15
- 33: EP 31: PCT/EP2021/054622 32: 2021-02-24
- 33: EP 31: PCT/EP2020/071839 32: 2020-08-03
- 33: EP 31: PCT/EP2021/052572 32: 2021-02-03
- 33: EP 31: PCT/EP2020/069805 32: 2020-07-13
- 33: EP 31: PCT/EP2021/050875 32: 2021-01-15

54: RNA CONSTRUCTS AND USES THEREOF

00: -
 Disclosed herein are RNA polynucleotides comprising a 5' Cap, a 5' UTR comprising a cap proximal sequence disclosed herein, and a sequence encoding a payload. Also disclosed herein are compositions and medical preparations comprising the same, and methods of making and using the same.

- 21: 2022/10527. 22: 2022/09/22. 43: 2024/11/14
- 51: G05B; A01G

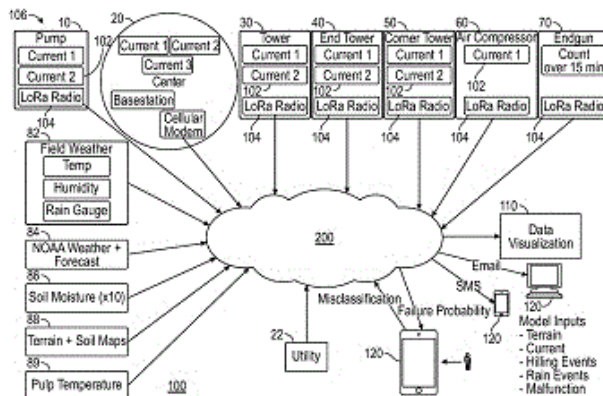
71: HEARTLAND AG TECH, INC.
 72: SANDERS, RUSSELL, PAVELSKI, JEREMIE, RUZIC, AUSTIN

- 33: US 31: 62/990,737 32: 2020-03-17
- 33: US 31: 63/002,930 32: 2020-03-31

54: SYSTEMS AND METHODS FOR PREDICTIVE IRRIGATION SYSTEM MAINTENANCE

00: -
 A predictive maintenance system includes an irrigation system including a plurality of components and configured to irrigate a farming area. The

predictive maintenance system includes a sensor configured to generate a signal indicative of a condition of at least one component of the plurality of components of the irrigation system based on network power quality, a processor, and a memory. The sensor is disposed at a center pivot of the irrigation system or at a main disconnect of a utility. The memory includes instructions, which when executed by the processor, cause the predictive maintenance system to receive the sensed signal, determine changes in the condition of the at least one component, and predict a maintenance requirement of the at least one component based on predetermined data.



- 21: 2022/10628. 22: 2022/09/26. 43: 2024/11/14
- 51: C07K

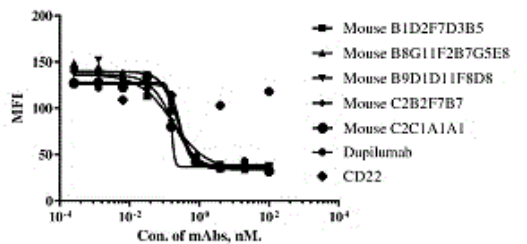
71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.
 72: CHEN, MINGJIU, TAN, WEI, ZHONG, CATHY XIAOYAN, MA, MARK ZHIQING, XIA, SHUKAI, ZHANG, ZHENGPING, XU, HONGJIANG, LU, ZHIJIAN

- 33: US 31: 62/982,521 32: 2020-02-27

54: ANTIBODIES BINDING IL4R AND USES THEREOF

00: -
 An isolated monoclonal antibody that specifically binds human IL4Rα, 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 oncolytic virus and a pharmaceutical composition comprising the antibody or the antigen-binding portion thereof, as well as a treatment method using

an Anti-IL4R α antibody or the antigen-binding portion thereof of the disclosure.

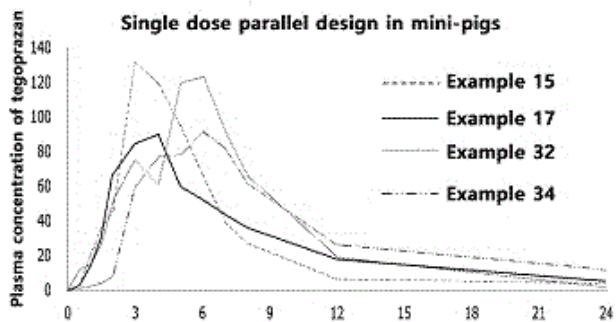


Mouse B1D2F7D3B5	Mouse B8G11F2B7G5E8		
IC50 0.1739	0.2332		
Mouse B9D1D11F8D8	Mouse C2B2F7B7	Mouse C2C1A1A1	Dupilumab
0.2331	0.1745	~0.1583	0.2795

21: 2022/10629. 22: 2022/09/26. 43: 2024/11/14
 51: A61K; A61P
 71: HK INNO.N CORPORATION
 72: LEE, SUCHUL, JEON, EUN KYUNG, CHO, YOUNG DAE, LEE, SUNG AH, KIM, DONG HYUN, KIM, MYEONGJOONG, JOO, SO HYUN, KIM, BONG TAE
 33: KR 31: 10-2020-0043047 32: 2020-04-08
 33: KR 31: 10-2020-0024657 32: 2020-02-27

54: PHARMACEUTICAL COMPOSITION COMPRISING BENZIMIDAZOLE DERIVATIVE COMPOUND

00: -
 The present disclosure relates to a pharmaceutical composition containing a benzimidazole derivative compound. Specifically, the present disclosure relates to a formulation capable of maintaining a sustained blood concentration of the benzimidazole derivative compound.



21: 2022/10633. 22: 2022/09/26. 43: 2024/11/14
 51: A61K; A61P
 71: OTSUKA PHARMACEUTICAL CO., LTD.
 72: HARLIN, MATTHEW, WANG, XIAOFENG, WANG, YANLIN, RAOUFINIA, ARASH
 33: US 31: 63/003,544 32: 2020-04-01

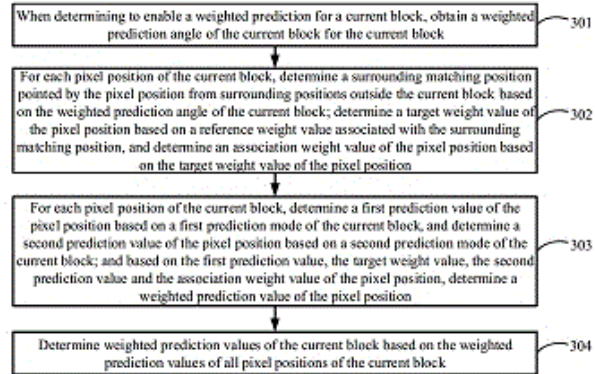
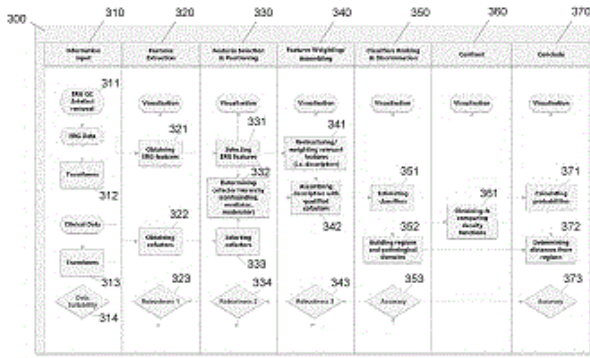
54: METHODS FOR DOSE INITIATION OF ARIPIPRAZOLE TREATMENTS

00: -
 The present disclosure is directed to a method of dose initiation for an aripiprazole treatment to a patient in need thereof; the patient is administered two, separate 100 to 500 mg injections of an aripiprazole intramuscular (IM) depot formulation at separate gluteal and/or deltoid injection sites, and a single dose of oral aripiprazole. The administration occurs on a first day of the treatment.

21: 2022/10700. 22: 2022/09/27. 43: 2024/11/14
 51: G16H; A61B
 71: DIAMENTIS INC.
 72: HARITON, CLAUDE
 33: US 31: 63/038,257 32: 2020-06-12
 33: US 31: 63/000,055 32: 2020-03-26
 33: US 31: 63/149,508 32: 2021-02-15

54: SYSTEMS AND METHODS FOR PROCESSING RETINAL SIGNAL DATA AND IDENTIFYING CONDITIONS

00: -
 There is disclosed a method and system for predicting a likelihood that a patient is subject to one or more conditions. Retinal signal data corresponding to the patient may be received. Retinal signal features may be extracted from the retinal signal data. Descriptors may be extracted from the retinal signal features. The descriptors may be applied to a first mathematical model and a second mathematical model. The first mathematical model may correspond to a first condition. The second mathematical model may correspond to a second condition. A first predicted probability for the first condition may be generated. A second predicted probability for the second condition may be generated. The first predicted probability and the second predicted probability may be output.



21: 2022/10847. 22: 2022/09/30. 43: 2024/11/14
 51: H04N
 71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
 72: SUN, YUCHENG
 33: CN 31: 202010220130.1 32: 2020-03-25
54: ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICE THEREFOR
 00: -

Provided are an encoding and decoding method and apparatus, and a device therefor. When it is determined to initiate weighted prediction for a current block, the method comprises: for the current block, acquiring a weight prediction angle of the current block; for each pixel location of the current block, determining, according to the weight prediction angle of the current block, a peripheral matching location directed by the pixel location from among peripheral locations outside the current block; determining a target weight value of the pixel location according to a reference weight value associated with the peripheral matching location, and determining an associated weight value of the pixel location according to the target weight value of the pixel location; determining a first predicted value of the pixel location according to a first prediction mode of the current block, and determining a second predicted value of the pixel location according to a second prediction mode of the current block; determining a weighted predicted value of the pixel location according to the first predicted value, the target weight value, the second predicted value and the associated weight value; and determining a weighted predicted value of the current block according to weighted predicted values of all pixel locations of the current block.

21: 2022/10848. 22: 2022/09/30. 43: 2024/11/14
 51: H04N
 71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.
 72: CAO, XIAOQIANG
 33: CN 31: 202010220367.X 32: 2020-03-25
54: DECODING, ENCODING, AND ENCODING/DECODING METHODS, APPARATUSES AND DEVICES
 00: -

The present application provides decoding, encoding, and encoding/decoding methods, apparatuses and devices. The decoding method comprises: if an inter-frame prediction filtering allowing flag bit allows the current block to use inter-frame prediction filtering, and the current block satisfies an inter-frame prediction filtering condition, parsing an inter-frame prediction filtering identifier of the current block from an encoding bit stream of the current block; if the inter-frame prediction filtering identifier indicates that the filtering type of the current block is inter-frame prediction filtering, performing inter-frame prediction filtering processing on the current block, and obtaining a target prediction value of the current block; and if the inter-frame prediction filtering identifier indicates that the filtering type of the current block is enhanced inter-frame prediction filtering, performing enhanced inter-frame prediction filtering processing on the current block, and obtaining a target prediction value of the current block.

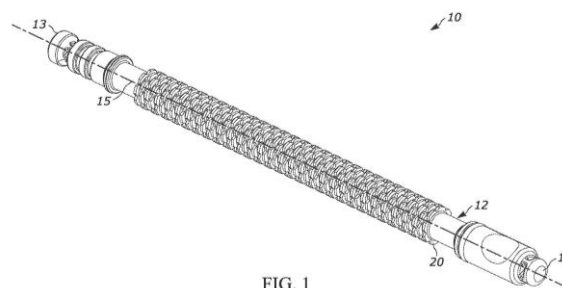
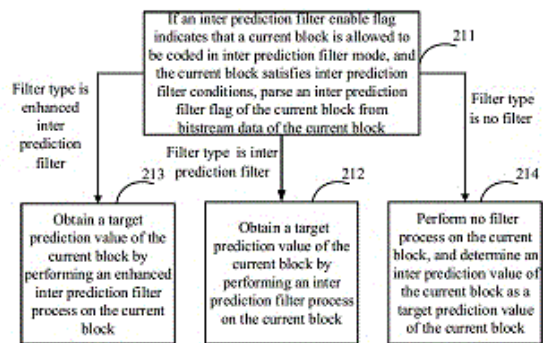


FIG. 1

21: 2022/12410. 22: 2022/11/14. 43: 2024/11/01
 51: A23G; A23L; A47J
 71: Rich Products Corporation
 72: CAMPBELL, Shawn, REISER, Ralf,
 DODDANAARI SHAMAKUMAR, Rakshitha,
 KAISER, Alexander

33: US 31: 63/025,283 32: 2020-05-15
**54: INJECTION-MOLDABLE AERATOR MIXING
 ROD AND METHOD OF MANUFACTURING
 THEREOF**

00: -
 An aerator mixing rod includes a body having a first and second opposite ends and an outer surface extending between the ends. The body defines a longitudinal axis extending through the ends. The aerator mixing rod also includes teeth extending radially outward from the outer surface, with a first row of teeth and a second row of teeth spaced from the first row along the longitudinal axis. A first passageway is formed between adjacent teeth of the first row, and a second passageway is formed between adjacent teeth of the second row. The first passageway is at least partially misaligned with the second passageway in a direction parallel to the longitudinal axis such that the first passageway and the second passageway form a tortuous path for fluid flowing along the outer surface of the body. The aerator mixing rod is formed from an injection-moldable material by an injection molding process.

21: 2022/12696. 22: 2022/11/22. 43: 2024/12/05
 51: A01N; C07D; A01P
 71: BAYER AKTIENGESELLSCHAFT
 72: MENNE, Hubert, TRABOLD, Klaus, DITTGEN,
 Jan, ROSINGER, Christopher, Hugh,
 GATZWEILER, Elmar, LORENTZ, Lothar, HAAF,
 Klaus, Bernhard, PEREZ CATALAN, Julio
 33: EP 31: 20177906.3 32: 2020-06-02
**54: SELECTIVE HERBICIDES BASED ON
 SUBSTITUTED ISOXAZOLIN CARBOXAMIDES
 AND CYPROSULFAMIDE**

00: -
 The invention relates to novel selective herbicidal active compound combinations which comprise substituted isoxazolinocarboxamides or agrochemical acceptable salts thereof and cyprosulfamide and which can be used with particularly good results for the selective control of weeds in various crops of useful plants.

21: 2022/12843. 22: 2022/11/25. 43: 2024/12/05
 51: A01N; C07D; A01P
 71: BAYER AKTIENGESELLSCHAFT
 72: MENNE, Hubert, TRABOLD, Klaus, DITTGEN,
 Jan, ROSINGER, Christopher, Hugh,
 GATZWEILER, Elmar, LORENTZ, Lothar, HAAF,
 Klaus, Bernhard, PEREZ CATALAN, Julio
 33: EP 31: 20177908.9 32: 2020-06-02
**54: SELECTIVE HERBICIDES BASED ON
 SUBSTITUTED ISOXAZOLIN CARBOXAMIDES
 AND CLOQUINTOCET-MEXYL**

00: -
 BCS201012 FC NR/ec 07.05.2021 - 39 - Selective herbicides based on substituted isoxazolin carboxamides and cloquintocet-mexyl
 Abstract
 The invention relates to novel selective herbicidal active compound combinations which comprise substituted isoxazolinocarboxamides or agrochemical acceptable salts thereof and cloquintocet-mexyl and which can be used with particularly good results for

the selective control of weeds in various crops of useful plants.

21: 2022/12844. 22: 2022/11/25. 43: 2024/12/05
 51: A01N; C07D; A01P
 71: BAYER AKTIENGESELLSCHAFT
 72: MENNE, Hubert, TRABOLD, Klaus, DITTGEN, Jan, ROSINGER, Christopher, Hugh, GATZWEILER, Elmar, LORENTZ, Lothar, HAAF, Klaus, Bernhard, PEREZ CATALAN, Julio
 33: EP 31: 20177911.3 32: 2020-06-02

54: SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND BENOXACOR

00: -
 The invention relates to novel selective herbicidal active compound combinations which comprise substituted isoxazolincarboxamides or agrochemical acceptable salts thereof and benoxacor and which can be used with particularly good results for the selective control of weeds in various crops of useful plants.

21: 2022/12918. 22: 2022/11/28. 43: 2024/12/05
 51: A01N; C07D; A01P
 71: BAYER AKTIENGESELLSCHAFT
 72: MENNE, Hubert, TRABOLD, Klaus, DITTGEN, Jan, ROSINGER, Christopher, Hugh, GATZWEILER, Elmar, LORENTZ, Lothar, HAAF, Klaus, Bernhard, PEREZ CATALAN, Julio
 33: EP 31: 20177904.8 32: 2020-06-02

54: SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND FURILAZOLE

00: -
 The invention relates to novel selective herbicidal active compound combinations which comprise substituted isoxazolincarboxamides or agrochemical acceptable salts thereof and furilazole and which can be used with particularly good results for the selective control of weeds in various crops of useful plants.

21: 2022/12958. 22: 2022/11/29. 43: 2024/12/05
 51: A01N; C07D; A01P
 71: BAYER AKTIENGESELLSCHAFT
 72: MENNE, Hubert, TRABOLD, Klaus, DITTGEN, Jan, ROSINGER, Christopher, Hugh, GATZWEILER, Elmar, LORENTZ, Lothar, HAAF, Klaus, Bernhard, PEREZ CATALAN, Julio
 33: EP 31: 20177910.5 32: 2020-06-02

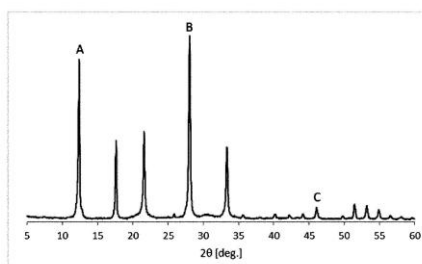
54: SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND MEFENPYR-DIETHYL

00: -
 The invention relates to novel selective herbicidal active compound combinations which comprise substituted isoxazolincarboxamides or agrochemical acceptable salts thereof and mefenpyr-diethyl and which can be used with particularly good results for the selective control of weeds in various crops of useful plants.

21: 2022/13568. 22: 2022/12/14. 43: 2024/11/01
 51: B01D; B01J; C01B
 71: Asahi Kasei Kabushiki Kaisha
 72: AKAOGI, Takayuki, OHKUBO, Atsushi, TANAKA, Saya
 33: JP 31: 2020-130309 32: 2020-07-31

54: GIS-TYPE ZEOLITE

00: -
 A GIS-type zeolite containing carbon atoms in an amount of 4 mass% or less and having a silica-alumina ratio equal to or higher than 4.23, wherein at least one of conditions (i) and (ii) is satisfied in a spectrum obtained through X-ray diffraction. (i) $0.62 \leq A/B$ is satisfied, where A and B respectively represent the peak heights in the vicinities of $2\theta=12.45$ and 28.07° . (ii) $11.5 \leq B/C$ is satisfied, where B and C respectively represent the peak heights in the vicinities of $2\theta=28.07$ and 46.04° .

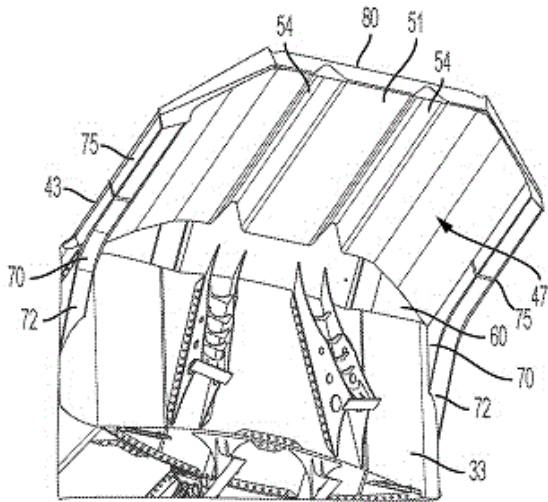


21: 2022/13772. 22: 2022/12/20. 43: 2024/11/15
 51: B60P; B60R
 71: CATERPILLAR INC.
 72: ARUL, SAMUEL J
 33: US 31: 16/883,875 32: 2020-05-26

54: CANOPY STRUCTURE FOR TRUCK BODY

00: -
 A canopy of a dump body for a truck comprises a deck having a length and a width greater in dimension that the length defined by a front edge, a rear edge opposite the front edge, a first side edge,

and a second side edge opposite the first side edge. The deck can define an upper surface and a lower surface opposite the upper surface. In a front view the deck can define a concave shape, with a center portion and stepped portions between the center portion and the first and second side edges.

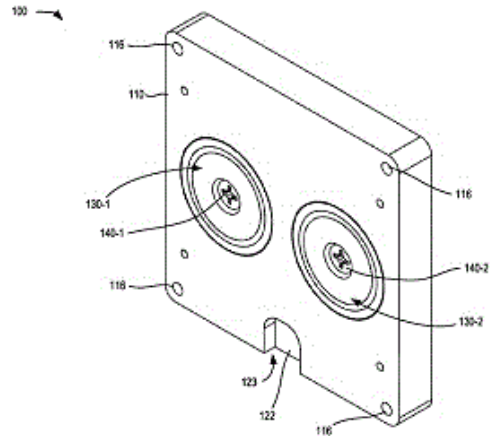


21: 2023/00829. 22: 2023/01/18. 43: 2024/11/14
 51: G01D; G01H; G01K
 71: CORNELL PUMP COMPANY LLC
 72: O'CALLAGHAN, COLIN, LINDEMAN, ADAM, WARREN, BJ
 33: US 31: 63/058,880 32: 2020-07-30

54: MAGNETIC ADAPTOR FOR MACHINE MONITORING DEVICE

00: -
 A magnetic adaptor (100) is provided for attaching a monitoring device (10) to monitored equipment (20). A mounting plate (110) of the adaptor (100) includes a front surface(114), a rear surface (112), and a recess (120) in the rear surface (112). A magnet (130) is secured within the recess (120). The mounting plate (110) also includes threaded mounting holes(116) arranged in a hole pattern that corresponds to a bolt pattern of the monitoring device(10). The threaded mounting holes (116) are configured to receive threaded bolts (30) from the monitoring device (10) to secure the front surface(114) against the monitoring device (10). The magnet (130) is configured to adhere to the monitored equipment (20) and cause at least a portion the rear surface (112) to contact the monitored equipment (20). The adaptor (100) transfers vibration and/or thermal energy from the

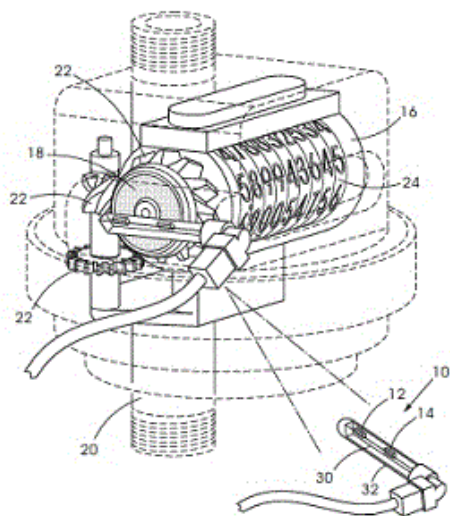
monitored equipment (20) to the monitoring device (10).



21: 2023/03807. 22: 2023/03/24. 43: 2024/11/13
 51: G01B; G01R; G01P
 71: CONLOG (PTY) LTD
 72: STRAUSS, CHRISTOPHER
 33: ZA 31: 2022/04492 32: 2022-04-22

54: A MAGNETIC SENSOR

00: -
 A magnetic sensor is used to detect if a diametrically magnetised cylinder is rotating and a rate of rotation of the cylinder. The sensor includes first and second magnetic sensors each including a magnetic sensing element body, wherein the first magnetic sensor is located adjacent the cylinder on one side of the central axis about which the cylinder rotates, and the second magnetic sensor is located adjacent the cylinder, on the other side of the central axis. The first and second magnetic sensing element bodies are orientated at an angle of between 40 and 70 degrees with respect to the cylinder plane. A processor is connected to the two magnetic sensors for receiving signals from the magnetic sensors and using the received signals to determine if the cylinder is rotating and a rate of rotation of the cylinder, and if the cylinder is static the static position of the cylinder.



21: 2023/04297. 22: 2023/04/11. 43: 2024/12/04
51: B01D; C01B; C25B

71: YARA INTERNATIONAL ASA

72: VIGELAND, Bent, ØIEN, Halvor, RÖSLER, Ronald, DE SMET, André, FAUCONNIER, Peter

33: EP 31: 20195977.2 32: 2020-09-14

54: DUAL PRESSURE PLANT FOR THE PRODUCTION OF NITRIC ACID AND METHOD FOR OPERATING SAME

00: -

The disclosure concerns a dual pressure plant for the production of nitric acid, comprising: - an air compressor (2), operable to pressurize air (12) to a pressure ranging from 2 bar to 6 bar (low pressure, LP); - a converter (4), operating at a low pressure (LP), operable to be fed with a stream of an ammonia/pressurized air mixture (14) at low pressure (LP), to oxidize the ammonia and to produce an LP gaseous NO_x gas/steam mixture (15), comprising water, NO₂, NO₂ and N₂O₄; - a NO_x gas compressor (5), operable to elevate the pressure of a gaseous NO_x stream (22) from a low pressure (LP) to a pressure ranging from 9 bar to 16 bar (high pressure, HP), resulting, at its downstream side, in a HP gaseous NO_x stream (24); - an absorber unit (6), operating at a high pressure (HP), operable to react the nitrogen oxides contained in the HP gaseous NO_x stream (24) with water, wherein the absorber unit (6) provides an output product stream (27) containing nitric acid and dissolved nitrogen oxides, and a tail gas (30); and - a bleacher unit (7), operable to strip dissolved nitrogen oxides away from the output product stream

(27) with a stripping medium (38), providing a stripped nitric acid stream (29) and a NO_x- loaded stripping gas (19); wherein - the bleacher unit (7) operates at a high pressure (HP), which is about equal to the pressure at which the absorber unit (6) is operating; - the bleacher unit (7) is in fluid communication with a source of HP oxygen-rich gas, for providing the bleacher unit (7) with an HP oxygen-rich gas as a stripping medium (38); and - the plant comprises means for directing the NO_x- loaded stripping gas (19) to the downstream side of the NO_x gas compressor (5); the plant being characterised in that it further comprises - a high-pressure (HP) water electrolyser (60), in fluid communication with the bleacher unit (7) for providing the high-pressure (HP) oxygen-rich gas to be used as the stripping medium (38), alone or mixed with pressured air or any other suitable gas. The disclosure further comprises methods for operating a high-pressure bleacher in said dual pressure plant for the production of nitric acid. The disclosure further relates to the use of the dual pressure plant of the disclosure in the methods of the disclosure.

21: 2023/04921. 22: 2023/05/02. 43: 2024/11/12
51: A61K; C07K; A61P

71: GILEAD SCIENCES, INC.

72: BALAN, GAYATRI, BARTLETT, MARK J., CHANDRASEKHAR, JAYARAMAN, CODELLI, JULIAN A., CONWAY, JOHN H., COSMAN, JENNIFER L., KALLA, RAO V., KASUN, ZACHARY A., KIM, MUSONG, LEE, SEUNG H., LO, JENNIFER R., LOYER-DREW, JENNIFER A., MITCHELL, SCOTT A., PERRY, THAO D., PHILLIPS, GARY B., SALVO, PATRICK J., SWAMINATHAN, SUNDARAMOORTHY, VAN VELDHIJZEN, JOSHUA J., YEUNG, SUET C., ZABLOCKI, JEFF

33: US 31: 62/753,339 32: 2018-10-31

33: US 31: 62/868,550 32: 2019-06-28

54: SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS

00: -

The present disclosure relates generally to certain 6-azabenzimidazole compounds, pharmaceutical compositions comprising said compounds, and methods of making and using said compounds and pharmaceutical compositions. The compounds and compositions disclosed herein may be used for the

treatment or prevention of diseases, disorders, or infections modifiable by hematopoietic progenitor kinase 1 (HPK1) inhibitors, such as HBV, HIV, cancer and/or a hyper-proliferative disease.

21: 2023/05001. 22: 2023/05/05. 43: 2024/12/10
51: A62C; B05B

71: ETAT FRANÇAIS REPRÉSENTÉ PAR LE PRÉFET DE POLICE, AGISSANT AU NOM ET POUR LE COMPTE DE LA VILLE DE PARIS, RELATIVEMENT À LA BRIGADE DE SAPEURS-POMPIERS DE PARIS, ZELUP

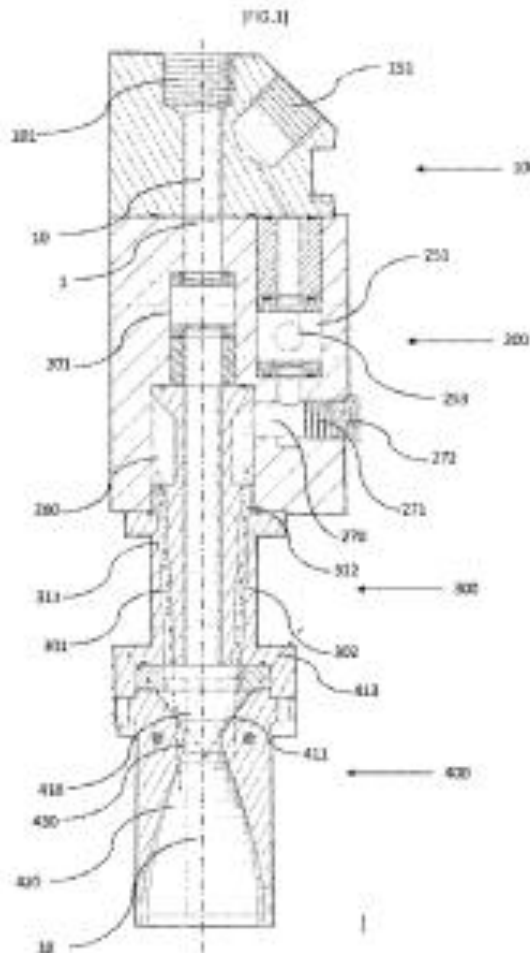
72: TESTA, Fabian, ISSLER, Thomas

33: FR 31: FR2011157 32: 2020-10-30

54: DEVICE FOR GENERATING A JET OF TWO-PHASE FLUID

00: -

The present invention relates to a device for generating a jet of two-phase fluid, comprising a nozzle having a main duct (1) that is fed by a pressurized gaseous fluid and opens into a mixing chamber (400), and at least one secondary duct (301 to 305) that is fed by at least one pressurized fluid and opens into the mixing chamber (400) in a direction forming a non-zero angle with the axis of the main duct. The mixing chamber (400) has a convergent-divergent cylindrical wall having a constriction (430) defining an opening in the plane perpendicular to the axis of the main duct. The convergent part (410) of the wall has a frustoconical region in the continuation of the axis of the at least one secondary duct (301 to 305) so as to form a fragmentation chamber for the liquid phase.



21: 2023/05017. 22: 2023/05/05. 43: 2024/11/05
51: A61B; A61D; A61M

71: Premium Fertility S.L.

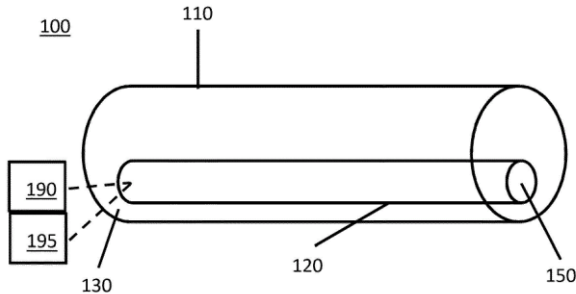
72: SIMÓN VALLÉS, Carlos, SANTAMARÍA COSTA, Javier, JIMÉNEZ MORENO, David, FREITAS, Rhys, HUNT, David S., FISK, Dusty, JENKINS, Robert

33: EP(ES) 31: 20382905.6 32: 2020-10-15

54: SYSTEM FOR EMBRYO TRANSFER

00: -

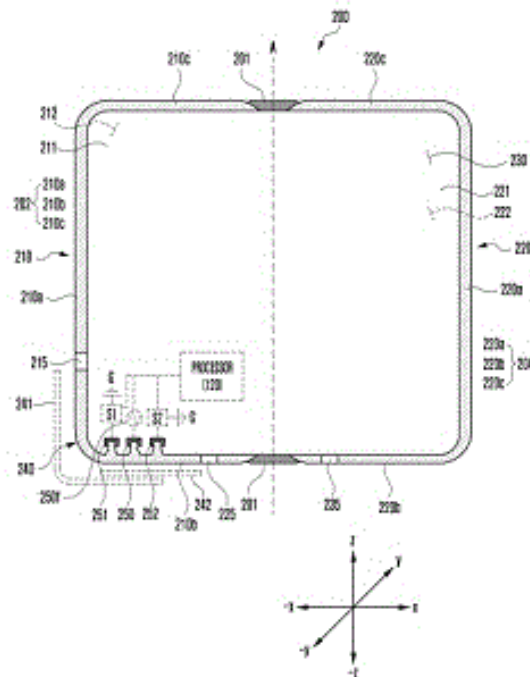
The present invention relates to dispensing instruments and methods for introducing treatment material and fluid-like material with an embryo into a uterus. More specifically, the present invention relates to apparatuses for delivering a fertilized egg or embryo into a maternal uterine endometrium in humans or any other mammalian species and associated computer programs for controlling said apparatuses.



21: 2023/05694. 22: 2023/05/26. 43: 2024/11/14
 51: H01Q
 71: SAMSUNG ELECTRONICS CO., LTD.
 72: AN, CHANKYU, PARK, SUNGKOO, YUN,
 HIMCHAN, CHOI, NAKCHUNG, HWANG,
 SOONHO, CHUN, JAE BONG
 33: KR 31: 10-2020-0166365 32: 2020-12-02
**54: ELECTRONIC DEVICE COMPRISING
 ANTENNA**

00: -
 Various embodiments of the present invention relate to a foldable electronic device comprising an antenna, the foldable electronic device comprising: a processor; a hinge module; a first housing and second housing each having at least a portion thereof coupled to either side of the hinge module and forming a unfolded state or folded state around the hinge module; and a flexible display disposed in a space formed by the first housing and second housing. The first housing comprises a first side surface member forming at least a portion of the exterior of the foldable electronic device, the first side surface member comprising: a first side surface disposed in parallel to a folding axis of the hinge module; a second side surface extending from one end of the first side surface in the direction perpendicular to the folding axis; and a third side surface extending from the other end of the first side surface in the direction perpendicular to the folding axis. The second housing comprises a second side surface member forming at least a portion of the exterior of the foldable electronic device, the second side surface member comprising: a fourth side surface disposed in parallel to the folding axis; a fifth side surface extending from one end of the fourth side surface in the direction perpendicular to the folding axis; and a sixth side surface extending from the other end of the fourth side surface in the direction perpendicular to the folding axis. The first side surface has a first segmentation unit formed

thereon, the second side surface has a second segmentation unit formed thereon, and the fifth side surface has a third segmentation unit formed thereon, wherein the second segmentation unit and third segmentation unit are disposed so as to overlap when the first housing and second housing are in the folded state, and a portion of the first side surface separated through the first segmentation unit, and a portion of the second side surface separated through the second segmentation unit are electrically connected to the processor so as to be operated by an antenna. The antenna may comprise: a power feed unit connected to a power feed point positioned on the second side surface; a first matching circuit connected to a first point positioned between the power feed point and the first segmentation unit; and a second matching circuit connected to a second point positioned between the power feed point and the second segmentation unit. Other various embodiments are possible.



21: 2023/05793. 22: 2023/05/30. 43: 2024/10/29
 51: G06F
 71: UNIVERSITY OF PRETORIA, UNIVERSITY OF
 SHARJAH
 72: SLABBERT, Martin, NAIDOO, Raj, BANSAL,
 Ramesh
 33: ZA 31: 2020/06849 32: 2020-11-03

54: A METHOD OF EVALUATING CIRCUIT PROTECTION OF A POWER NETWORK

00: -
 This invention relates to a method (30) and system (10) for evaluating circuit protection of a power network. The method (30) includes simulating (32) a multisource, interconnected power network (40) comprising circuit protection elements (A, B, C, D), setting (33) circuit protection element parameters for each circuit protection element, simulating (35) at least one fault (42) on the power network (40) at a predetermined fault position for a predefined simulation time. In a next step, the method includes calculating (38) conductor LTE exposure and determining (39) an LTE threshold. Furthermore, the method (30) includes simultaneously graphically representing (41) a three-dimensional visualisation of the conductor LTE exposure (50) for the predefined simulation time and the LTE threshold (51), on the same three-dimensional visualisation. The method provides a wholistic approach for simulating and determining a dynamic effect of faults for chosen circuit protection settings on conductor LTE exposure compared to LTE thresholds.

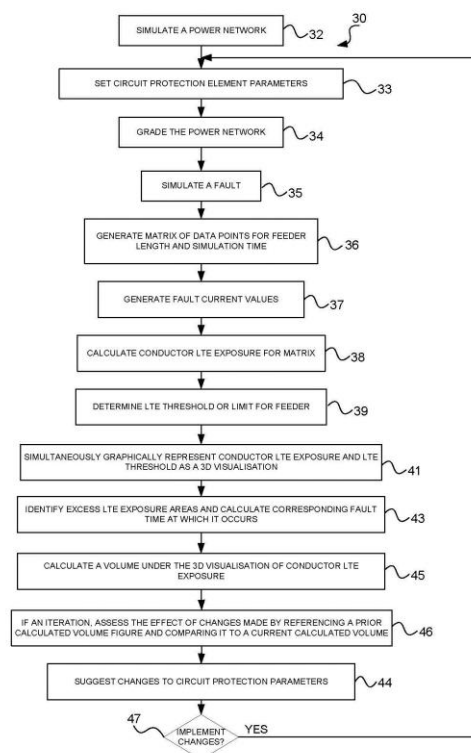
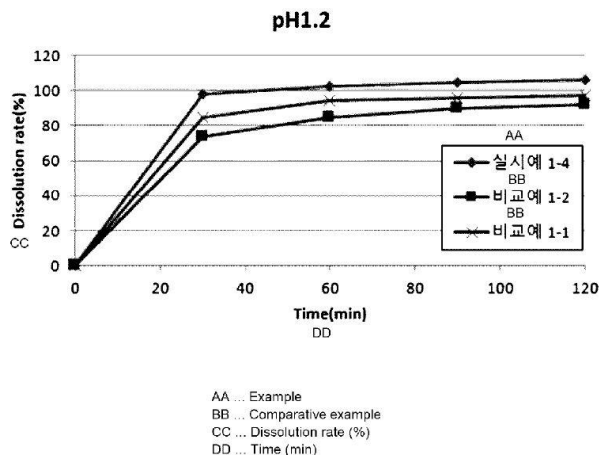


FIG. 2

21: 2023/06242. 22: 2023/06/14. 43: 2024/11/13
 51: A61K; A61P
 71: DAEWOONG PHARMACEUTICAL CO., LTD.
 72: JANG, Hye Jung, KUK, Do Hoon, KIM, Gyoung Won, KIM, Gwan Young, HA, Songyi
 33: KR 31: 10-2020-0178281 32: 2020-12-18
54: NOVEL FORMULATION FOR ORAL ADMINISTRATION, COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE

00: -
 The present invention relates to a formulation for oral administration, comprising 1-(5-(2,4-difluorophenyl)-1-((3-fluorophenyl)sulfonyl)-4-methoxy-1H-pyrrol-3-yl)-N-methylmethanamine exhibiting an improved elution characteristic.



21: 2023/06332. 22: 2023/06/19. 43: 2024/12/09
 51: F26B

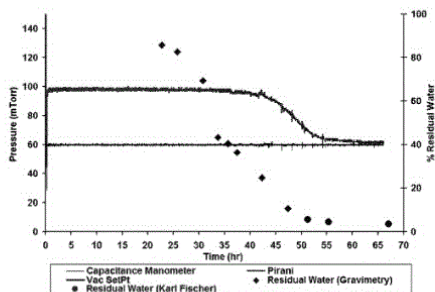
71: REGENERON PHARMACEUTICALS, INC.
 72: TANG, Xiaolin, KLEPPE, Mary, CHARI, Ravi, TZUL, Franco

33: US 31: 62/969,961 32: 2020-02-04

54: TARGET RESIDUAL MOISTURE CONTENT FOR LYOPHILIZED DRUG PRODUCT

00: -

Lyophilization methods for preparing protein formulations for long-term storage at room temperature or improved stability at refrigeration storage are provided. Specifically, the present application provides lyophilization methods to obtain a target percentage of residual moisture of a lyophilized product, such as 3-5% residual moisture. The secondary drying of the lyophilization can be conducted under controlling rate of desorption under a temperature which is similar to the shelf temperature of the primary drying. Alternatively, the lyophilization can be conducted without a distinguished secondary drying step.



21: 2023/06399. 22: 2023/06/20. 43: 2024/11/13
 51: H03M; H04N

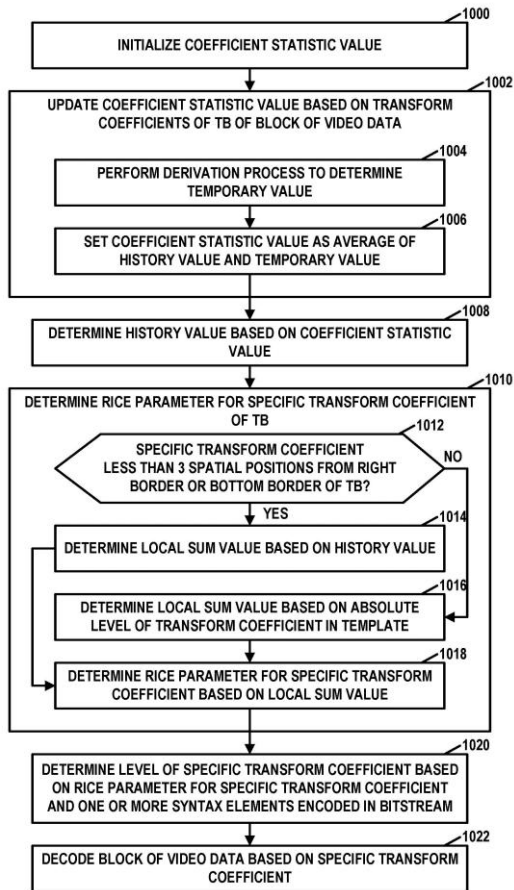
71: QUALCOMM Incorporated

72: RUSANOVSKYY, Dmytro, KARCZEWICZ, Marta
 33: US 31: 63/128,641 32: 2020-12-21

54: LOW COMPLEXITY HISTORY USAGE FOR RICE PARAMETER DERIVATION FOR HIGH BIT-DEPTH VIDEO CODING

00: -

A method of decoding video data comprises updating a coefficient statistic value based on one or more transform coefficients of a transform block (TB), wherein updating the coefficient statistic value comprises, for each respective transform coefficient of the one or more transform coefficients of the TB: performing a derivation process to determine a temporary value, wherein the derivation process is determined based at least in part on which encoding procedure of a plurality of encoding procedures is used to encode the respective transform coefficient, the plurality of encoding procedures including a context-based procedure for encoding the respective transform coefficient and encoding the respective transform coefficient as an absolute value; and setting the coefficient statistic value as an average of the coefficient statistic value and the temporary value; determining a history value based on the coefficient statistic value; determining a Rice parameter for a specific transform coefficient of the TB.



21: 2023/06403. 22: 2023/06/20. 43: 2024/11/13
 51: C08J
 71: Plantics Holding B.V.
 72: BAKKER, Wridzer Jan Willem, ROUAUD, Mathieu Baptiste
 33: EP(NL) 31: 20209317.5 32: 2020-11-23
54: PROCESS FOR PRODUCING A NON-FLAT ARTICLE
 00: -

The invention relates to a process for manufacturing a non-flat article comprising the steps of: providing a structure comprising a fibrous material and a resin comprising a polymer derived from an aliphatic polyalcohol with 2-15 carbon atoms and an aliphatic polycarboxylic acid that has an extent of polymerization of above 0 to 1.0, or the precursor monomers of such polymer, wherein the structure has a void fraction of 0.3-0.98 and a water content of below 40 wt.%; and subjecting the structure to the following steps polymerising to an extent of polymerisation of 0.5-1, if necessary, pressing to reduce void fraction, and forming the structure into a non-flat article by applying a force at an internal temperature above glass transition temperature (T_g) of the polymer in a defined order to form a non-flat article having an extent of polymerisation of at least 0.5 and a water content less than 20 wt.%. The invention also relates to non-flat articles obtainable by the process and structures suitable for use in the process.

21: 2023/06409. 22: 2023/06/20. 43: 2024/11/13
 51: B01D
 71: WRIGHT, Brennan Kevin
 72: PRIOR, Vincent Warren
 33: WO 31: PCT/IB2021/060558 32: 2021-11-15
 33: ZA 31: 2020/06920 32: 2020-11-13
54: PERCOLATING CONTAINER
 00: -

There is disclosed a liquid percolating container formed of a composite fabric that includes a layer of woven geotextile and a layer of a non-woven fabric, with the two layers being secured together by means of stitches at least along edges thereof to form a container having an operative inside, an operative outside and an inlet configured to receive an inlet tube, and with the non-woven fabric located on the inside of the container and the woven geotextile located on the outside of the container.

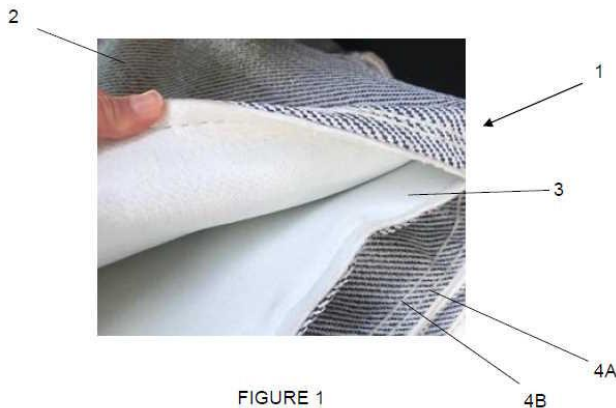


FIGURE 1

MUTCH, KEVIN JAMES, PARRY, MATTHEW LLOYD, SCHAEFER, CARSTEN
 33: EP 31: 21171406.8 32: 2021-04-30

54: COMPOSITION

00: -
 A laundry detergent composition comprising methyl ester ethoxylate surfactant (MEE) and an alkyl ether sulphate (AES), a proportion of which comprises C18 and a domestic method of treating a textile, the method comprising the step of treating a textile with an aqueous solution of 0.5 to 20 g/L of the detergent composition, and optionally drying the textile.

21: 2023/06695. 22: 2023/06/29. 43: 2024/11/13
 51: B65G; E02F; E21C

71: KOCH Solutions GmbH
 72: PFANDL, Hubert, BOZWARD, Alexandra Damion, PLETZ, Rudolf, MULLER, Christopher Robert, LEITNER, Georg

33: DK 31: PA 2020 01439 32: 2020-12-21

54: BUCKET WHEEL CHUTE ASSEMBLY

00: -
 A bucket wheel chute assembly comprising a frame (2) and a bucket wheel chute (10). The bucket wheel chute comprising a plurality of wear plates. The bucket wheel chute comprising a first chute section and a second chute section and is detachably attached to the frame. At least one of the first chute section and second chute section is detachably attached to the frame by a first movable attachment means.

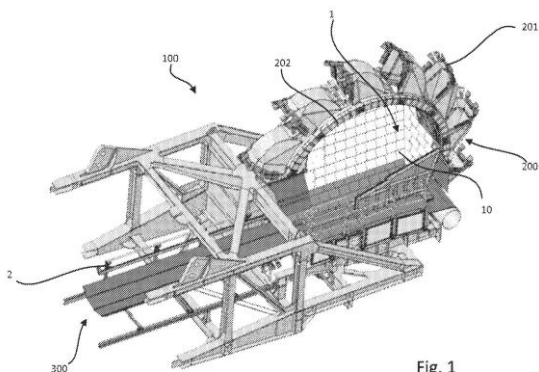


Fig. 1

21: 2023/07165. 22: 2023/07/17. 43: 2024/12/09
 51: A61K; C07K; C12N; A61P

71: THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY OF AGRICULTURE

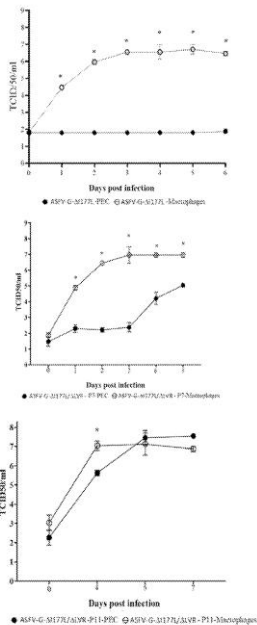
72: GLADUE, Douglas P., BORCA, Manuel V.
 33: US 31: 17/130,814 32: 2020-12-22

54: GENOMIC DELETION IN AFRICAN SWINE FEVER VACCINE ALLOWING EFFICIENT GROWTH IN STABLE CELL LINES

00: -
 Provided herein are details on the construction of a recombinant African Swine Fever Virus (ASFV) live attenuated vaccine for prevention of ASF caused by various strains of ASFV, such as the highly virulent Georgia 2007 isolate ("ASFV-G"). An exemplary vaccine comprises a deletion of multiple genes allowing for industrial-scale growth in stable cell lines.

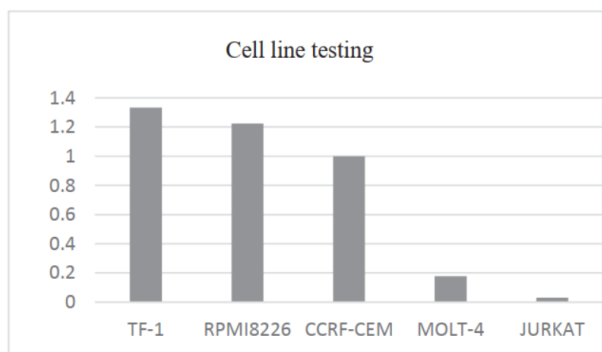
21: 2023/07000. 22: 2023/07/11. 43: 2024/11/13
 51: C11D

71: UNILEVER GLOBAL IP LIMITED
 72: BATCHELOR, STEPHEN NORMAN, DIEDERICHS, JAN, GUO, XIAOQIANG, HALLIER, PETER JOSEF, HÖVELMANN, FELIX FLORIAN,



21: 2023/07946. 22: 2023/08/16. 43: 2024/12/11
 51: A61K; C12Q; G01N; A61P
 71: ASCENTAWITS PHARMACEUTICALS, LTD.
 72: XIE, Yanbin, HAO, Jing, WANG, Ning, LIU, Nan
54: PRIMER-PROBE COMPOSITION, KIT, AND DETECTION METHOD

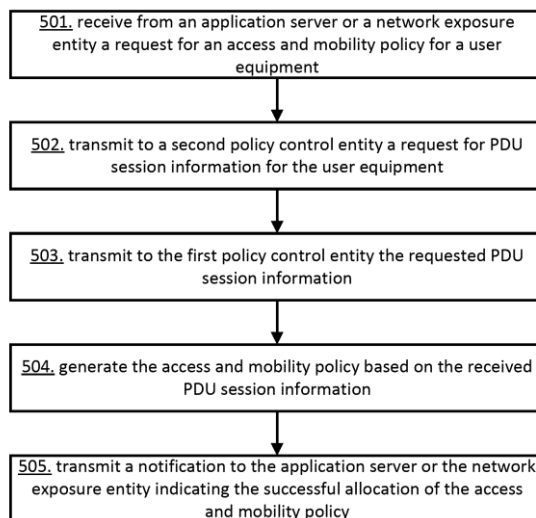
00: -
 The present invention relates to a primer-probe composition, a kit, and a detection method. The primer-probe composition is selected from one group of group (i) to group (ix), and the kit comprises the primer-probe composition. According to the present invention, the detection of AKR1C3 RNA content in an ex vivo sample of a patient can be achieved.



21: 2023/07959. 22: 2023/08/16. 43: 2024/12/09
 51: H04L; H04W
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: FERNANDEZ ALONSO, Susana, GARCIA AZORERO, Fuencisla, PANCORBO MARCOS, Maria Belen
 33: EP 31: 21382132.5 32: 2021-02-18
54: ACCESS AND MOBILITY POLICY CONTROL
 00: -

A method for access and mobility policy control in a communications network, the method performed by a first policy control entity, a second policy control entity, a network exposure entity and an application server, the method comprises receiving at the first policy control entity from the application server or the network exposure entity a request for an access and mobility policy for a user equipment, the request further including an application identifier or a packet flow descriptor to which the access and mobility policy applies; transmitting from the first policy control entity to the second policy control entity a request for PDU session information for the user equipment, the request including the application identifier or the packet flow descriptor, particularly wherein the PDU session information is an application start/stop event, an out of credit event, a reallocation of credit event or an usage report; transmitting from the second policy control entity to the first policy control entity the requested PDU session information; generating the access and mobility policy at the first policy control entity based on the received PDU session information.



21: 2023/08417. 22: 2023/08/31. 43: 2024/12/09
 51: H02S

71: NICHIMO CORPORATION, C. I. TAKIRON CORPORATION, C. I. TAKIRON CIVIL CORPORATION

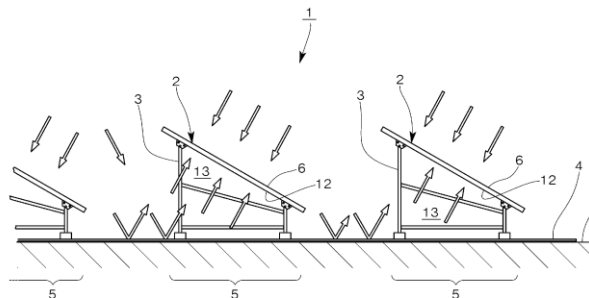
72: HIURA, Ichiro, KOINOUCHI, Takahiro, NAKAI, Takaaki, ONISHI, Kohei, HYUGA, Yuki

33: JP 31: 2021-015113 32: 2021-02-02

54: SOLAR POWER GENERATION SYSTEM AND REFLECTOR FOR SOLAR POWER GENERATION SYSTEM

00: -

[Problem] The objective of the present invention is to enable improved power generation efficiency as well as a reduction of a site area, and to enable increasing the amount of power generation whilst reducing costs such as construction and maintenance costs. Moreover, the objective of the present invention is to provide a reflector for solar power generation system with excellent weather resistance. [Solution] The present invention is provided with a plurality of solar power generation panels 2 installed via trestles 3, where an upper surface of power generation surface 6 of the panels 2 faces the sunlight incidence direction. The solar power generation panels 2 comprise double-sided incidence-type solar power generation panels provided with power generation surfaces 6 and 12 on both the upper and lower sides. A light passage space 13 is provided below a lower surface of a power generation surface 12. The present invention comprises a reflector 4 laid so as to cover a site ground 7 underneath the solar power generation panels 2 and the periphery thereof. The reflector 4 is provided with a reflecting layer 14 comprising a sheet material with a highly light-reflective colour where the surface side facing the lower surface of power generation surface 12 reflects directly incident light of sunlight and scattered light of sunlight. The reflector 4 is further provided with a weed barrier layer 15 comprising a weed barrier sheet material where a back surface side faces and is in contact with the site ground 7. The reflector 4 is integrally formed by lamination of the reflecting layer 14 and the weed barrier layer 15.



21: 2023/08464. 22: 2023/09/01. 43: 2024/11/14
51: H04N

71: BEIJING DAJIA INTERNET INFORMATION TECHNOLOGY CO., LTD.

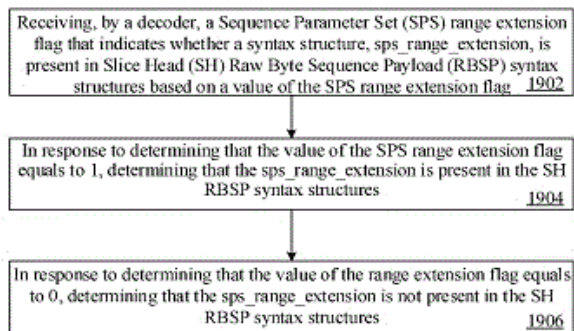
72: JHU, HONG-JHENG, XIU, XIAOYU, CHEN, YI-WEN, CHEN, WEI, KUO, CHE-WEI, WANG, XIANGLIN, YU, BING

33: US 31: 63/145,964 32: 2021-02-04

54: RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING

00: -

Methods, apparatuses, and non-transitory computer-readable storage mediums are provided for video coding. The method for video coding includes: receiving, by a decoder, a Sequence Parameter Set (SPS) range extension flag that indicates whether a syntax structure, `sps_range_extension`, is present in Slice Head (SH) Raw Byte Sequence Payload (RBSP) syntax structures based on a value of the SPS range extension flag.



21: 2023/08465. 22: 2023/09/01. 43: 2024/11/14
51: H04R; G06V; G06F; G06T; H04S

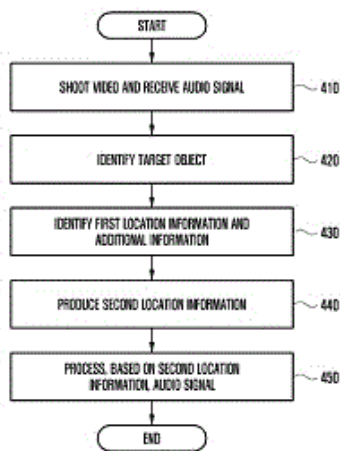
71: SAMSUNG ELECTRONICS CO., LTD.

72: KIM, BYEONGJUN, LEE, JUNSOO, KIM, JAEHYUN, LEE, SANGJU

33: KR 31: 10-2021-0027626 32: 2021-03-02

54: ELECTRONIC DEVICE FOR APPLYING DIRECTIONALITY TO AUDIO SIGNAL, AND METHOD THEREFOR

00: -
 An electronic device, according to various embodiments disclosed in the present document comprises: a communication module for supporting short-range wireless communication; a camera module for capturing a video; a display for displaying the video being captured; and a processor operatively connected to the communication module, camera module, and display, wherein the processor may be configured to: establish connection with an external electronic device by using the communication module; receive an audio signal from the external electronic device at the same time as the capturing of the video; confirm a target object that becomes a target, among at least one object included in the video being captured; confirm first location information about the location at which the target object is displayed on the display; estimate, on the basis of the first location information, the actual location of the target object and generate second location information about the actual location; and process the audio signal on the basis of the generated second location information. Various other embodiments may be possible.



21: 2023/08495. 22: 2023/09/04. 43: 2024/11/13
 51: A61K; C07D
 71: LES LABORATOIRES SERVIER
 72: GU, CHONG-HUI
 33: US 31: 62/081,542 32: 2014-11-18
 33: US 31: 61/953,487 32: 2014-03-14

54: PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS

00: -
 Provided are compounds and pharmaceutical compositions useful for treating cancer and methods

of treating cancer comprising administering to a subject in need thereof a compound or pharmaceutical composition described herein.

21: 2023/08496. 22: 2023/09/04. 43: 2024/11/13
 51: A61K; C07D
 71: LES LABORATOIRES SERVIER
 72: GU, CHONG-HUI
 33: US 31: 61/953,487 32: 2014-03-14
 33: US 31: 62/081,542 32: 2014-11-18

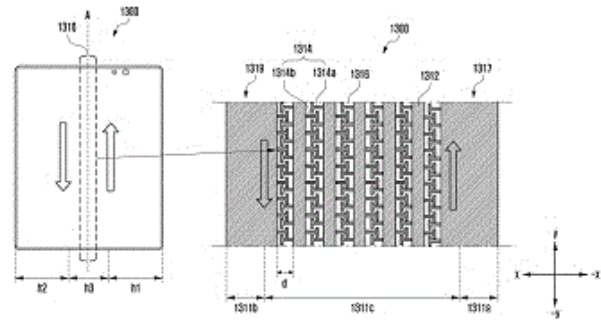
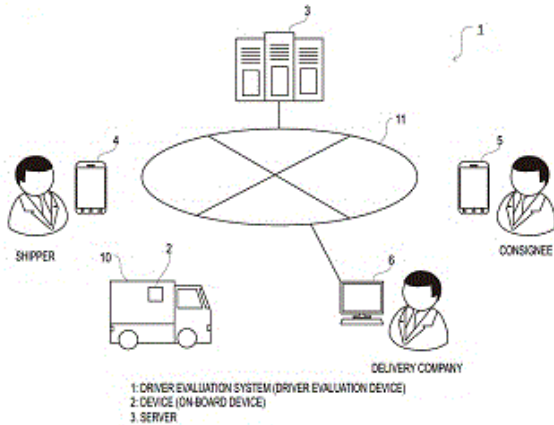
54: PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS

00: -
 Provided are compounds and pharmaceutical compositions useful for treating cancer and methods of treating cancer comprising administering to a subject in need thereof a compound or pharmaceutical composition described herein.

21: 2023/08507. 22: 2023/09/04. 43: 2024/11/13
 51: G08G; G06Q
 71: YAZAKI CORPORATION
 72: KOGO, KOSUKE
 33: JP 31: 2021-053709 32: 2021-03-26

54: DRIVER EVALUATION DEVICE AND DRIVER EVALUATION SYSTEM

00: -
 A device (2) detects a driving behavior of a driver, and generates a warning in response to determining, based on the detected driving behavior, that an evaluation item for the driver is within a warning range. Further, the device (2) generates a warning of lowering evaluation for the driver in response to determining that a state in which the evaluation item is within the warning range is continuous or intermittent. A server (3) receives the driving behavior from the device (2), and lowers the evaluation for the driver in response to determining, based on the received driving behavior, that a second warning has been issued.



21: 2023/08508. 22: 2023/09/04. 43: 2024/11/13
 51: G06F; G09F
 71: SAMSUNG ELECTRONICS CO., LTD.
 72: KIM, HOYEON, KIM, SEONGJUN, RYU,
 KWANGHEE, AN, JUNGCHUL, KWON,
 YOUNGJAE
 33: KR 31: 10-2021-0171175 32: 2021-12-02
 33: KR 31: 10-2021-0029533 32: 2021-03-05

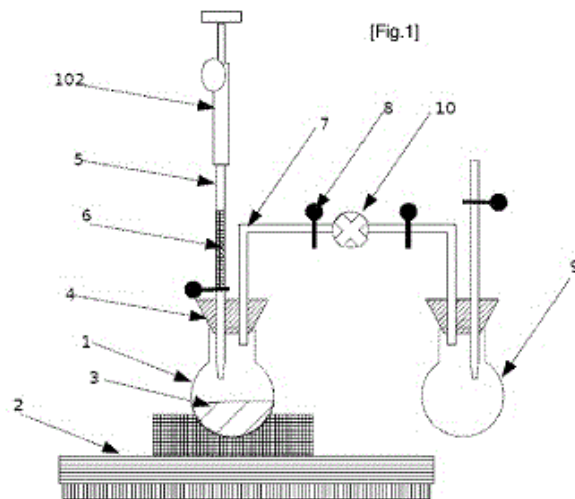
54: ELECTRONIC DEVICE COMPRISING FOLDABLE FLEXIBLE PLATE

00: -
 An electronic device, according to various embodiments of the present disclosure, may comprise: a hinge module disposed on a folding axis; a first housing connected to the hinge module; a second housing connected to the hinge module so as to be foldable with respect to the first housing; and a display disposed so as to be supported by at least a portion of the second housing from at least a portion of the first housing through the hinge module. The display may comprise: a display panel; at least one polymer member disposed on the rear surface of the display panel; and a flexible plate disposed on the rear surface of the polymer member. The flexible plate may comprise: a first flat part facing the first housing; a second flat part facing the second housing; and a flexible part bendably disposed and connecting the first flat part and the second flat part. The flexible part comprises: a plurality of support pieces spaced from each other through a plurality of slits; and a plurality of Velcro patterns of which the lengths are elongated from the plurality of support pieces, wherein the Velcro patterns of neighboring support pieces may be disposed so as to engage with each other in the form of a lattice.

21: 2023/08539. 22: 2023/09/05. 43: 2024/11/14
 51: C01B
 71: UGOLIN, NICOLAS
 72: UGOLIN, NICOLAS
 33: FR 31: FR2102458 32: 2021-03-12

54: STORAGE AND PRODUCTION OF DIHYDROGEN BY A SUSPENSION OF METAL HYDRIDE PARTICLES IN LIQUID ALKALI METAL ALLOYS

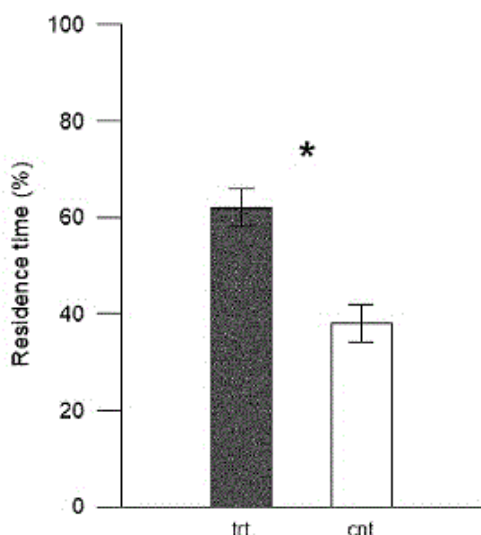
00: -
 The present invention relates to a system for storing dihydrogen, characterized in that it comprises a suspension of elements, in the form of hydride particles having a mean diameter of between 1 nm and 800 nm, suspended in an alloy of at least two alkali metals, chosen from Na (sodium), K (potassium) and Li (lithium). The invention also relates to a method for storing dihydrogen in a system as described above, a method for producing dihydrogen from such a system and also a device for implementing the latter method.



21: 2023/08568. 22: 2023/09/06. 43: 2024/11/14

51: A01N; A01P
 71: BIOBAB R&D, S.L.
 72: FRANCESCHINI SARRIA, ANDRÉ LUCIO,
 HORCHE TRUEBA, IGNACIO
 33: EP 31: 21382099.6 32: 2021-02-09
**54: METHOD AND USE OF AN ENANTIOMER OF
 3,4-DIHYDROXYPHENYLALANINE (DOPA) FOR
 ENHANCING PLANT ATTRACTIVENESS TO
 BENEFICIAL INSECTS**

00: -
 The present invention relates to a method and use of an enantiomer 3,4- dihydroxyphenylalanine (DOPA) for enhancing plant attractiveness to beneficial insects. The method of the present invention comprises applying at least one time a composition comprising an effective amount of an enantiomer of DOPA selected from the group consisting of L-3,4- dihydroxyphenylalanine (L-DOPA) and D-3,4- dihydroxyphenylalanine (D-DOPA) or a mixture thereof to the leaves, stem and/or roots of the plant. The method provides an economical control of harmful insect pests and even allows preventive control prior to an infestation. As well as provide increases attraction of beneficial insects which in turn provide for an increased growth and propagation of the plant.



21: 2023/08572. 22: 2023/09/06. 43: 2024/11/14
 51: A61Q; A61K
 71: UNILEVER GLOBAL IP LIMITED
 72: AU, VAN, DAVIS, ANDREW JOHN, GUELAKIS,
 MARIAN PEREIRA, HARICHIAN, BIJAN,
 LATHROP, WILLIAM F, LEE, JIANMING, LU,
 NANDOU, ROSA, JOSE GUILLERMO

33: EP 31: 21162783.1 32: 2021-03-16
54: COSMETIC SKIN CARE COMPOSITION
 00: -
 A topical composition comprising: (a) a cosmetic skin benefit agent; (b) a retinoid; and (c) a dermatologically acceptable vehicle. The compositions are useful as cosmetic anti-ageing skin care creams and lotions.

21: 2023/08599. 22: 2023/09/07. 43: 2024/11/14
 51: G06F; H04R
 71: SAMSUNG ELECTRONICS CO., LTD.
 72: KO, JEEYOUN, JUNG, KIYOUNG, AN,
 JUNGCHUL, LIM, MINSIK, JUNG, YOUNGJIN
 33: KR 31: 10-2021-0031619 32: 2021-03-10
**54: ELECTRONIC DEVICE COMPRISING
 SPEAKER STRUCTURE**
 00: -
 An electronic device according to various embodiments disclosed in the present document comprises: a first housing; a display module located on the front surface of the first housing; a camera module disposed at an upper end of the first housing; a speaker module disposed in the first housing to be adjacent to the camera module; a sound hole formed in a side surface of the first housing so that sound generated from the speaker module is emitted outside the electronic device; a conduit including a first conduit that is formed in the first housing and extends in a direction from the speaker module to the sound hole and a second conduit formed in the first housing and extends in a direction perpendicular to the extension direction of the first conduit; and an expansion portion formed in at least a portion of the conduit to expand the volume of the conduit. Various other embodiments may be possible.

connects the driving means (20, 220) to the engaging means (60, 260). The engaging means (60, 260) and intermediate body (30, 230) are connected to one another in a manner that allows substantially free movement between them, thereby allowing the engaging means (60, 260) and driving means (20, 220) to be aligned relative to the grouser(s) (102) independently.

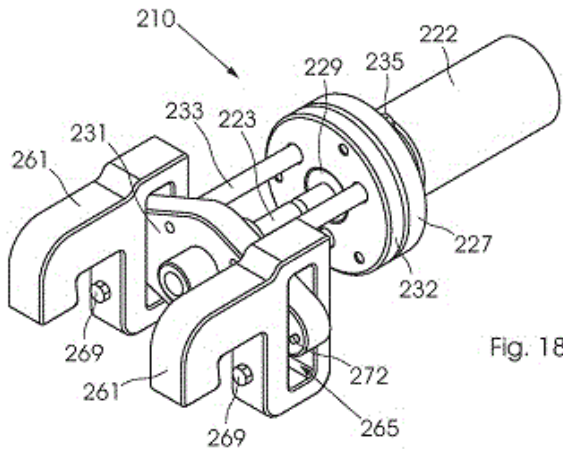


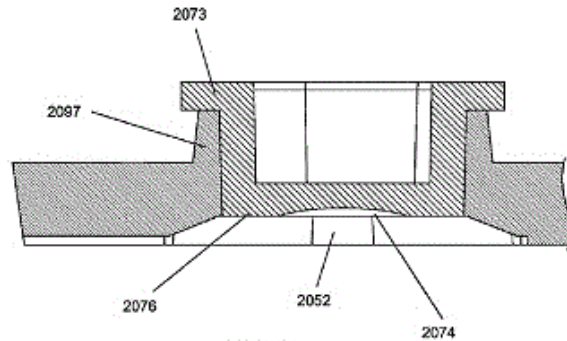
Fig. 18

21: 2023/08720. 22: 2023/09/13. 43: 2024/11/13
 51: B01L
 71: TALIS BIOMEDICAL CORPORATION
 72: CAULEY III, THOMAS H
 33: US 31: 16/027,749 32: 2018-07-05
 33: US 31: 15/928,551 32: 2018-03-22

54: OPTICAL REACTION WELL FOR ASSAY DEVICE

00: -
 This disclosure relates to an apparatus for simultaneously filling a plurality of sample chambers. In one aspect, the apparatus comprises a common fluid source and a plurality of independent, continuous fluidic pathways. Each independent, continuous fluidic pathway comprises a sample chamber and a pneumatic compartment. The sample chamber is connected to the common fluid source, and the pneumatic compartment is connected to the sample chamber. The sample chamber comprises, in part, an assay chamber. The assay chamber comprises a monolithic substrate and a plug having optically transmissive properties. In some embodiments, the assay chamber contains a magnetic mixing element. In some embodiments, the assay chamber is a double tapered chamber. In some embodiments, a ratio of a volume of the sample chamber to a volume of the pneumatic

compartment is substantially equivalent for each fluidic pathway of the plurality of fluidic pathways.

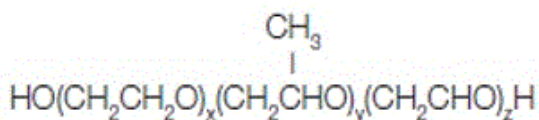


21: 2023/08741. 22: 2023/09/13. 43: 2024/11/13
 51: C11D
 71: HYPRED
 72: CAILLET, GRÉGOIRE MICHEL, CONNAN, OLIVIER, PERION, RÉGIS JEAN-PAUL, FAUCHON, CAMILLE
 33: FR 31: FR2102378 32: 2021-03-11

54: LIQUID DISINFECTANT COMPOSITION AND USE THEREOF

00: -
 The present invention concerns generally a new liquid disinfectant composition particularly useful in the industrial sector and especially in the agrifood industry. This composition is presented in concentrated or diluted form and is characterized in that it comprises: - an aliphatic-chain fatty acid having from 8 to 12 carbon atoms or a mixture of such acids, - glycolic acid, optionally as a mixture with acetic acid, and - a pH-regulating acid system of a type and amount selected such that the composition, in its diluted form, presents a pH lower than 3.8 and preferably lower than 2.0, - an ethoxylated fatty alcohol of formula R-(O-C₂H₄)_n-OH in which R represents a linear or branched alkyl group having 6 to 12 carbon atoms and n represents an integer between 4 and 8, or a mixture of such ethoxylated fatty alcohols; - a copolymer of formula: [Chem. 1] in which x represents an integer between 2 and 15, y represents an integer between 15 and 35, and z represents an integer between 2 and 15; or a mixture of such copolymers, - one or more surfactants, - and water.

[Chem. 1]



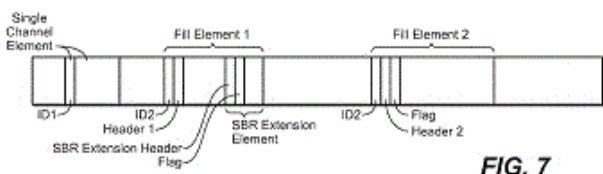
21: 2023/08756. 22: 2023/09/14. 43: 2024/11/13
51: G10L

71: DOLBY INTERNATIONAL AB
72: VILLEMoes, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER

33: EP 31: 15159067.6 32: 2015-03-13
33: US 31: 62/133,800 32: 2015-03-16

54: DECODING AUDIO BITSTREAMS WITH ENHANCED SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT

00: -
Embodiments relate to an audio processing unit that includes a buffer, bitstream payload deformatter, and a decoding subsystem. The buffer stores at least one block of an encoded audio bitstream. The block includes a fill element that begins with an identifier followed by fill data. The fill data includes at least one flag identifying whether enhanced spectral band replication (eSBR) processing is to be performed on audio content of the block. A corresponding method for decoding an encoded audio bitstream is also provided.



21: 2023/08769. 22: 2023/09/14. 43: 2024/11/13
51: G06F; H01Q; G09F

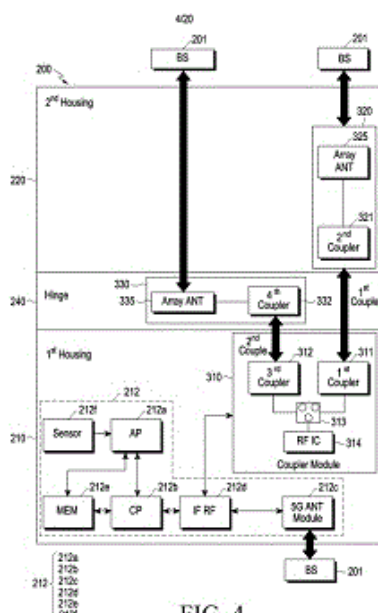
71: SAMSUNG ELECTRONICS CO., LTD.
72: HUH, JAEYOUNG, PARK, SUNGCHUL, JEON, SEUNGGIL, LIM, JONGHOON

33: KR 31: 10-2021-0031637 32: 2021-03-10

54: FOLDABLE ELECTRONIC DEVICE COMPRISING ANTENNA

00: -
According to various embodiments of the present disclosure, provided is a foldable electronic device comprising: a first housing having a first part disposed therein; a second housing having a second part disposed therein; a hinge module rotatably

connecting the first housing to the second housing; a flexible display which is disposed from one surface of the first housing across a region, in which the hinge module is disposed, and to one surface of the second housing; and a coupler for transmitting a signal between the first part and the second part, wherein the coupler includes: a first coupling member electrically connected to the first part; and a second coupling member which is electrically connected to the second part, and is located, in a first state of the electronic device, at a position corresponding to the first coupling member so as to be coupled to the first coupling member and transmit or receive a signal with respect to the first coupling member. Various other embodiments can be applied.



21: 2023/08802. 22: 2023/09/15. 43: 2024/11/14
51: B01F

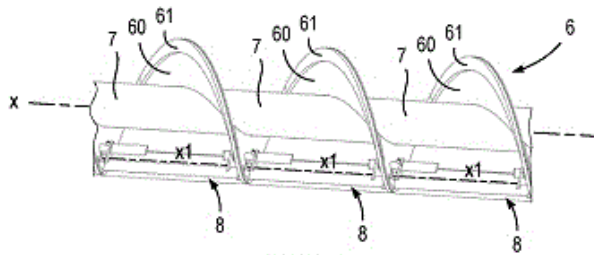
71: ELIA, CARMINE
72: ELIA, CARMINE

33: IT 31: 102021000003944 32: 2021-02-19

54: SCREW CONVEYOR

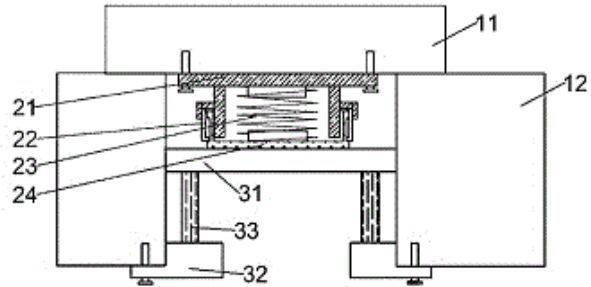
00: -
A screw conveyor (3) for mixing a gas into a liquid and a mixing apparatus (1) including the screw conveyor are disclosed. The screw conveyor comprises a helical element having a screw core (7) having a longitudinal axis (x), a primary spiral (60) comprising a plurality of primary coils and a secondary spiral (61) supported on the primary spiral

and comprising a plurality of secondary coils. The primary spiral and secondary spiral comprise a plurality of primary coils and second coils in succession. The secondary spiral is slidably rotatable on the primary spiral. The screw conveyor comprises at least one deflector (8) spanning each pair of consecutive primary and secondary coils, wherein the longitudinal axis (xi) of each deflector is parallel to the longitudinal axis of the screw core, the deflectors are simultaneously rotatable while maintaining their longitudinal axis parallel to the longitudinal axis of the screw core.



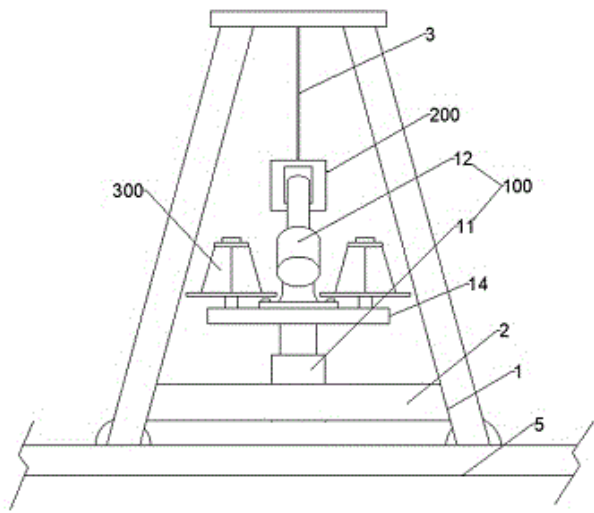
21: 2023/08822. 22: 2023/09/18. 43: 2024/11/14
 51: E01D
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: HE, JUNBIAO
 33: CN 31: 2023105468125 32: 2023-05-16
54: SIDE SPAN CLOSING DEVICE OF CONTINUOUS BEAM
 00: -

The present invention discloses a side span closing device of a continuous beam, comprising a buffer assembly arranged at a steel box beam, which comprises a fixing portion arranged on steel box beam, a lower end of fixing portion being open; a buffer sleeve arranged on fixing portion, an upper end of buffer sleeve being open, a limit cavity being formed between buffer sleeve and fixing portion; a buffer spring contacted with limit cavity, a maximum deformation of buffer spring being not less than a limited sliding distance of buffer sleeve on fixing portion; and a buffer base arranged on a bottom beam provided with a through opening, a height of buffer base being not less than that of buffer assembly, buffer base bearing the buffer assembly. The invention realizes convenient replacement of spring to maintain buffering function and reduce impact force of steel box beam on bottom beam.



21: 2023/08823. 22: 2023/09/18. 43: 2024/11/14
 51: B66C
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: YANG, ZHIYUAN
 33: CN 31: 2023106608594 32: 2023-06-06
54: GANTRY CRANE
 00: -

The present invention discloses a gantry crane, comprising: a gantry crane body; a pair of hook stabilizing mechanisms arranged on cross beams on legs of gantry crane body, hook stabilizing mechanism comprising a lifting structure fixed on cross beam, a telescopic structure fixed on a lifting end of lifting structure and an abutting block connected to a telescopic end of telescopic structure and arranged towards a center of gantry crane body; and a bearing mechanism sleeved on a lifting rope of gantry crane body and close to a lifting device of gantry crane body, bearing mechanism having a certain free rotation. A height of lifting end and a telescopic length of telescopic end are adjusted, and abutting blocks oppositely abut against side walls of bearing mechanism. The invention can lock and stabilize a suspended article through hook stabilizing mechanisms and bearing mechanism, improve wind resistance capacity.



21: 2023/08824. 22: 2023/09/18. 43: 2024/11/14
 51: E01D; E04G
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.

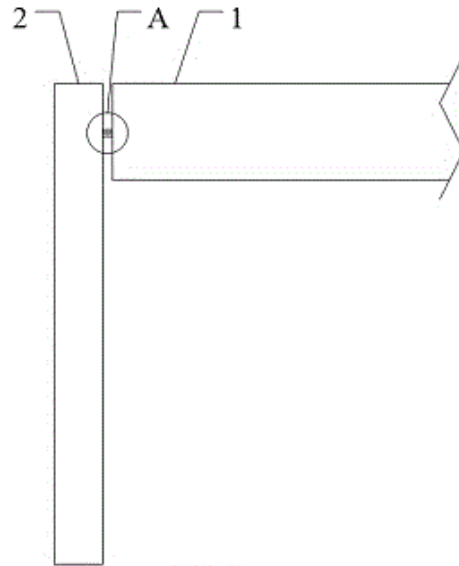
72: LI, JIA

33: CN 31: 2023103274892 32: 2023-03-30

54: BRIDGE MOUNTING AND POSITIONING METHOD

00: -

The present invention discloses a bridge mounting and positioning method, comprising: measuring a mounting position of a beam slab at a back wall according to mounting position information, and marking mounting position on back wall to obtain a first marked region; marking a beam end of beam slab to obtain a second marked region; detachable sticking an infrared emitting matrix that comprises a plurality of infrared emitters on first marked region; detachable sticking an infrared receiving matrix that comprises a plurality of infrared receivers on second marked region; hoisting beam slab through a hoisting device; when at least one infrared receiver does not receive an infrared signal, sending a positioning failure signal to a controller by infrared receiving matrix; and adjusting position of beam slab through hoisting device according to positioning failure signal. The invention improves positioning accuracy of beam slab relative to back wall and mounting efficiency of bridge.



21: 2023/08825. 22: 2023/09/18. 43: 2024/11/14
 51: E02D

71: CHINA HARBOUR ENGINEERING COMPANY LTD.

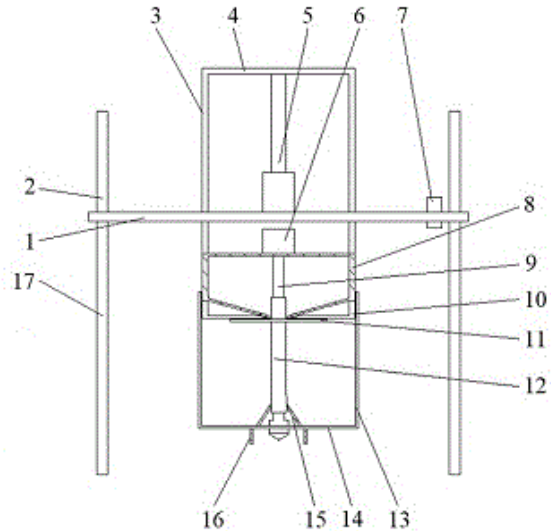
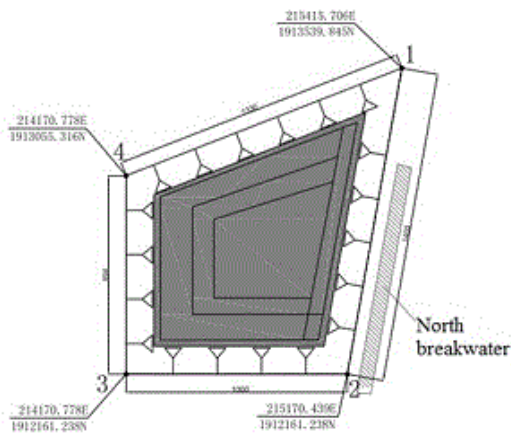
72: ZHANG, LEI

33: CN 31: 2022116185394 32: 2022-12-15

54: COFFERDAM-FREE HYDRAULIC-FILL CONSTRUCTION METHOD FOR ARTIFICIAL ISLAND

00: -

The present invention discloses a cofferdam-free hydraulic-fill construction method for an artificial island, comprising: arranging an anti-fouling screen around an island-building area, and carrying out hydraulic-fill to form a north, east, south and west sand dike; hydraulically filling an inner side of north sand dike; firstly laying sand quilts on inner sides of east, south and west sand dike; hydraulically filling inner sides of areas surrounded by sand quilts and an area surrounded by north sand dike; secondly laying sand quilts on tops of sand quilts of east, south west sand dike, sand quilts laid firstly and secondly together forming a sand quilt cofferdam; hydraulically filling an inner side of sand quilt cofferdam; and laying geotextiles and cover protection stones, throw-filling cushion stones, throw-filling bottom protection stones, and installing barrier boards. The invention prevents construction from polluting open seas, provide a storage yard, and is convenient for sand quilt filling.



21: 2023/08826. 22: 2023/09/18. 43: 2024/11/14
51: E21B
71: CHINA HARBOUR ENGINEERING COMPANY LTD.

72: LIU, DONGBING
33: CN 31: 2023107155341 32: 2023-06-16

54: TREPANNING DEVICE FOR ROAD CONSTRUCTION BLASTING

00: -

The present invention discloses a trepanning device for road construction blasting, comprising: a workbench with a plurality of supporting legs; a material collection box arranged below and connected with workbench in a lifting way, a material guide hole arranged at bottom wall of material collection box; and a material guide tube inserted at material guide hole and detachably connected with material collection box, wherein a spiral drilling rod is rotatably inserted in material guide tube, spiral drilling rod is inserted into material collection box and rotatably connected with a top wall thereof, and is driven to rotate by a driving motor, a bottom of spiral drilling rod extends out of the material guide tube and is divided into a feeding part and a drilling part. The invention prevents drilling wastes from being piled up or spilled around drilled hole, prevent wastes from covering drilled hole around and reduce dust.

21: 2023/08827. 22: 2023/09/18. 43: 2024/11/14
51: E02D

71: CHINA HARBOUR ENGINEERING COMPANY LTD.

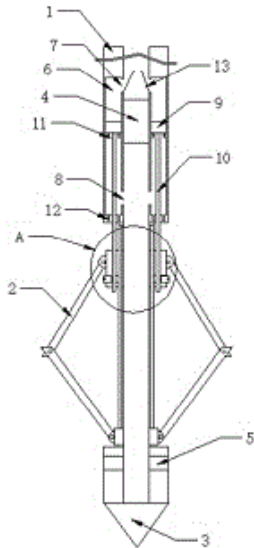
72: YANG, JIAYAN

33: CN 31: 2023105149632 32: 2023-05-09

54: FOUNDATION PIT SUPPORTING AND ANCHORING DEVICE

00: -

The present invention discloses a foundation pit supporting and anchoring device, comprising a hollow anchor rod body, wherein multiple cavities are arranged at and along a central axis of anchor rod body, the cavity is provided with a feed port and a discharge port, an outer side wall of anchor rod body is recessed to form an annular groove, a lower portion is provided with multiple material outlets, and a sealing block is arranged in anchor rod body; and multiple sets of adjusting mechanisms, comprising a piston arranged in cavity and connected with a push rod whose lower end is penetrated through cavity and located in annular groove and is also connected with an expansion assembly comprising two hinged support rods, lower support rod is hinged with annular groove, and upper support rod is slidably connected with annular groove. The present invention improves stability of anchor rod support.



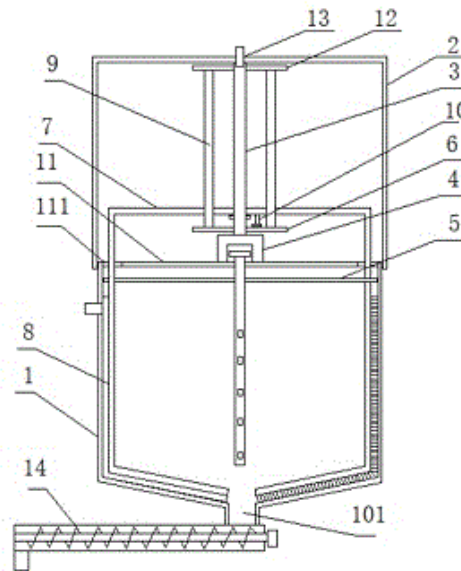
21: 2023/08828. 22: 2023/09/18. 43: 2024/11/14
 51: E04G; B28C
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.

72: SUN, ZHUANG
 33: CN 31: 2023104472886 32: 2023-04-24

54: CONCRETE POURING DEVICE

00: -

The present invention discloses a concrete pouring device, comprising: a stirring tank, which forms an annular opening by a cover and a side wall; a bracket; a connecting rod connected with bracket; a connecting piece connected with cover and connecting rod; a pushing rod fixed on stirring shaft; a supporting plate arranged above connecting piece that passes through and connected with supporting plate; a connecting plate arranged above supporting plate, connecting rod passing through and connected with connecting plate; two cleaning rods penetrating into opening, wherein tops of two cleaning rods are connected with connecting plate, lower parts are located in stirring tank, and two cleaning rods are provided with a scraper and brush wire; at least one guide rod whose bottoms are connected with supporting plate and tops pass through connecting plate; and a lifting device arranged on supporting plate. The present invention does not hinder concrete when stirring.



21: 2023/08829. 22: 2023/09/18. 43: 2024/11/14
 51: G01C

71: CHINA HARBOUR ENGINEERING COMPANY LTD.

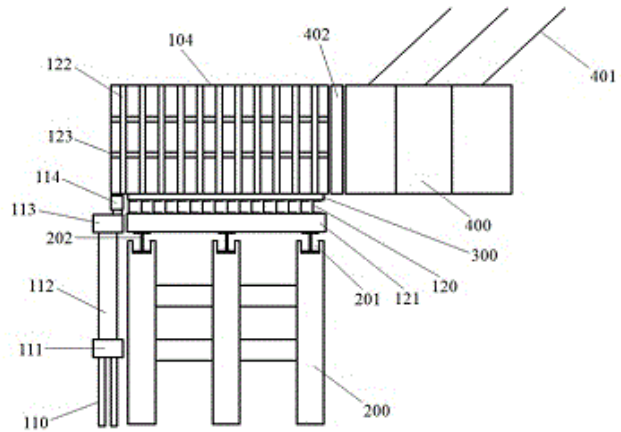
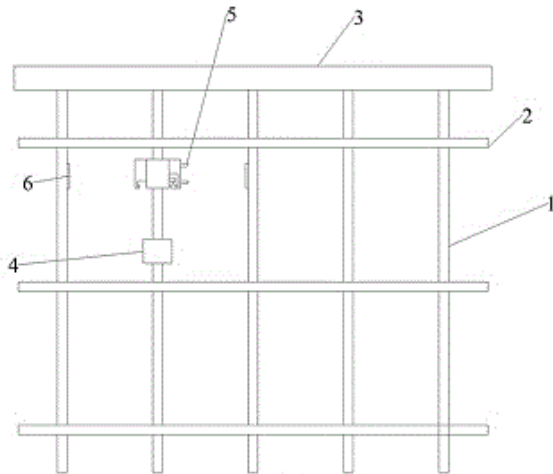
72: YANG, JIAYAN

33: CN 31: 2023104051711 32: 2023-04-17

54: HIGH-FORMWORK MONITORING SYSTEM AND METHOD

00: -

The present invention discloses a high-formwork monitoring system, comprising: a laser range finder arranged at a predetermined position on the ground; a laser reflecting plate arranged on a selected vertical rod; an infrared sensor arranged on the selected vertical rod, an infrared reflecting plate arranged on a vertical rod except the selected vertical rod; and a controller used for acquiring distance information between the laser range finder and the laser reflecting plate, calculating coordinates of the laser reflecting plate, acquiring distance information between the infrared sensor and the infrared reflecting plate, estimating coordinates of the infrared reflecting plate in combination with the coordinates of the laser reflecting plate, and monitoring a high-formwork according to the coordinates of the laser reflecting plate and the coordinates of the infrared reflecting plate. The invention can accurately monitor the high-formwork to discover potential safety hazards in time.

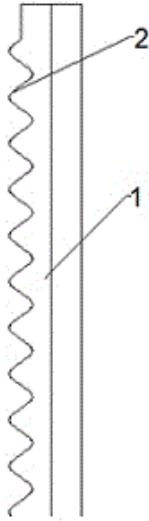


21: 2023/08830. 22: 2023/09/18. 43: 2024/11/14
 51: E01D
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: HE, JUNBIAO
 33: CN 31: 2023107016739 32: 2023-06-14
54: FLEXIBLE CLOSED SLIDING AND GUIDING DEVICE FOR BRIDGE SIDE SPAN CLOSURE
 00: -

The present invention discloses a flexible closed sliding and guiding device for bridge side span closure, comprising a sliding system provided with a bottom and upper template parallel to each other; flexible sealing belts are arranged on two opposite sides of bottom template to form a flexible closed cavity between bottom and upper template; two groups of guide side templates are arranged on sliding system, two sides of bottom template are connected with bottoms of guide side templates, two sides of upper template are abutted against inner walls of guide side templates, and a counterweight beam span section is poured between upper template and guide side templates. The invention utilizes a construction template of the counterweight span beam section to realize sliding between counterweight span beam section and bottom template, and a closure process of bridge side span by combining guidance of side templates, and working efficiency is improved.

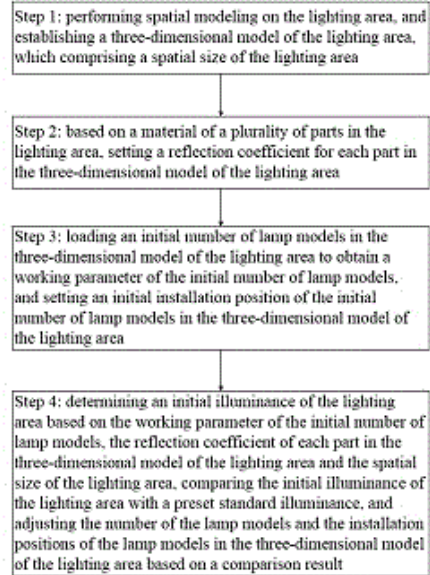
21: 2023/08831. 22: 2023/09/18. 43: 2024/11/14
 51: E04B; E04C
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: SU, BO
 33: CN 31: 2022114353592 32: 2022-11-16
54: GLASS CURTAIN WALL
 00: -

The present invention discloses a glass curtain wall, which comprises a plurality of glass body units, and each glass body unit comprises: a glass panel, a vertical section on an outer surface of the glass panel having a wavy shape, and a super-hydrophilic coating being laid on the outer surface of the glass panel; and a keel supporting frame provided with an annular elastic mechanism in an inner circumferential direction, the glass panel being clamped and fixed in the elastic mechanism in a circumferential direction. The invention has the beneficial effect of improving a self-cleaning ability of the glass curtain wall.



21: 2023/08832. 22: 2023/09/18. 43: 2024/11/14
 51: G06F; G06Q; H05B
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: BAI, YINZHAN
 33: CN 31: 2022109829433 32: 2022-08-16
54: AIRPORT LIGHTING SIMULATION ANALYSIS METHOD
 00: -

The present invention discloses an airport lighting simulation analysis method, comprising: performing spatial modeling on a lighting area, and establishing a three-dimensional model; setting a reflection coefficient for each part in model based on a material of a plurality of parts in the lighting area; loading an initial number of lamp models in model to obtain a working parameter, and setting an initial installation position of initial number in model; determining an initial illuminance of the lighting area based on the working parameter, the reflection coefficient and a spatial size of the lighting area; and comparing the initial illuminance of the lighting area with a preset standard illuminance, and adjusting the number of the lamp models and the installation positions of the lamp models in the three-dimensional model of the lighting area based on a comparison result. The present invention improves the efficiency of airport lighting design.



21: 2023/08833. 22: 2023/09/18. 43: 2024/11/14
 51: E01D
 71: CHINA HARBOUR ENGINEERING COMPANY LTD.
 72: JIANG, HOULIANG
 33: CN 31: 2023106868515 32: 2023-06-09
54: TRANSPORTATION METHOD OF BRIDGE ERECTING MACHINE
 00: -

The present invention discloses a transportation method of a bridge erecting machine, comprising: assembling a main beam assembly, a front leg assembly, a middle leg assembly, a tail leg assembly, a temporary leg assembly, a longitudinal joist barrow assembly and a crane carriage assembly; mounting a temporary, front, middle and tail leg; mounting front, middle and tail leg at rear end of main beam, and mounting a pair of fixed cross beams; raising main beam, supporting temporary leg in place, and lifting a crane carriage and retracting middle leg; lowering main beam, connecting a main and auxiliary transportation carriage with pin shafts of a pair of fixed cross beams; lifting and retracting front and tail leg, and driving main and auxiliary transportation carriage to preset positions. The invention transports bridge box beam, improve efficiency of construction operation, reduces costs, has non-repeated disassembly and assembly, and has good application values.

21: 2023/08834. 22: 2023/09/18. 43: 2024/11/14

51: B05B; B08B
71: CHINA HARBOUR ENGINEERING COMPANY LTD.

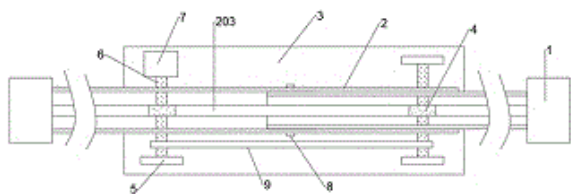
72: WANG, GUANGSHENG

33: CN 31: 2022114750741 32: 2022-11-23

54: STEEL STRUCTURE PAINT SPRAYING DEVICE

00: -

The present invention discloses a steel structure paint spraying device, which comprises: a pair of fixed bases used for being fixed on a surface of a steel structure; a horizontal adjusting plate with two ends fixedly arranged between the pair of fixed bases, a length of the horizontal adjusting plate being adjustable; a walking mechanism walking along the adjusting plate; and a paint spraying member connected with the walking mechanism, so as to spray paint on the surface of the steel structure under driving of the walking mechanism. The invention has the beneficial effects that the length of the adjusting plate can be adaptively adjusted according to a length of H-profile steel or C-profile steel, and then paint spraying can be performed on the surface of the steel structure.



21: 2023/08861. 22: 2023/09/19. 43: 2024/11/01

51: A61K; A61P; C07D

71: Fukang (Shanghai) Health Technology Co., Ltd

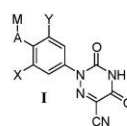
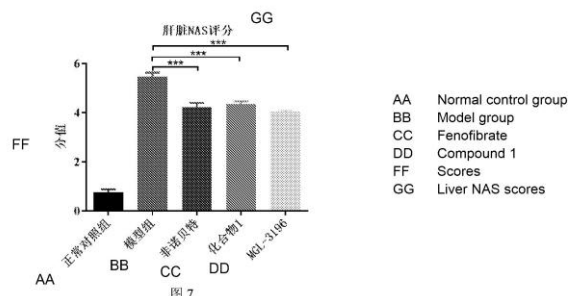
72: SHEN, Xiaokun, LIU, Huixin

33: CN 31: 202110264844.7 32: 2021-03-04

54: AROMATIC COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF

00: -

Disclosed in the present invention is an aromatic compound, a preparation method therefor, and an application thereof. The present invention provides a compound as represented by formula I or a pharmaceutically acceptable salt thereof. The compound of the present invention exhibits, in an NASH model-based animal experiment, good safety, tolerance, an effect of reducing liver fat of mice, and a potential therapeutic effect of treating NASH.



21: 2023/08868. 22: 2023/09/19. 43: 2024/11/14

51: H05K; H02M; H02B

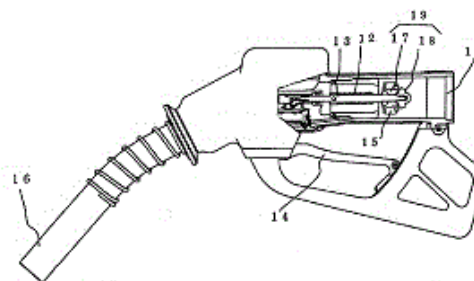
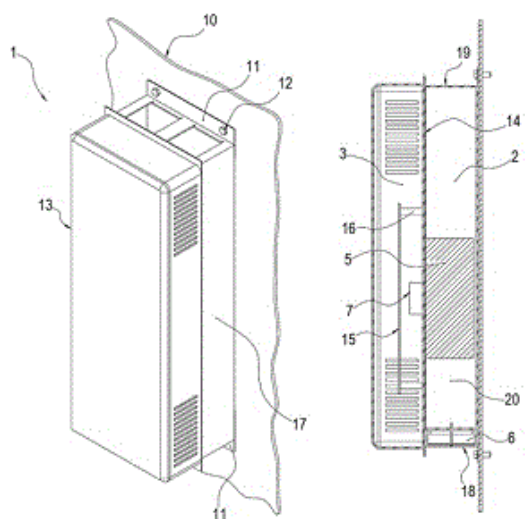
71: WEG DRIVES & CONTROLS AUTOMAÇÃO LTDA.

72: PLACIDO ALMEIDA, ANAND, FERNANDES SOARES, ITAMAR, AFONSO HUMMELGEN, CARLOS, JOSÉ ROSSA, ADALBERTO

54: SYSTEM AND METHOD FOR COOLING A FREQUENCY INVERTER

00: -

The present invention comprises a system and a method for dissipating heat in a single step to the external environment, with a physical separation between the power system (2) and the electronic system (3) with standard assembly of the apertures, parts, ducts, seals, and fastening means, simplifying assembly and facilitating adjustment of the ducts (4) for different sizes of frequency inverter (1) and different sizes of electric panel (8) or of an air-conditioned room (9), and enabling temperature regulation (65) in the heat sink (5) by varying the rotational speed of the fan (6) and varying the total losses (59) of the semi-conductor power modules (7), without the need to apply a current capacity reduction factor to the frequency inverter (1) installed in an electric panel (8) or air-conditioned room (9).

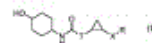
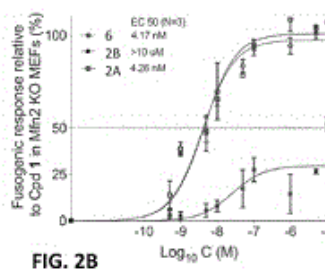
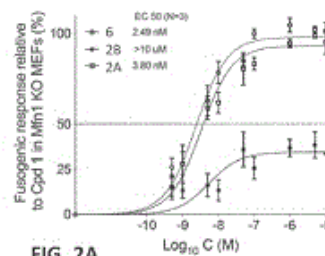


21: 2023/08869. 22: 2023/09/19. 43: 2024/11/14
 51: B67D
 71: TATSUNO CORPORATION
 72: KANEKO, RYOHEI, XIA, JIANYONG
 33: JP 31: 2021-093989 32: 2021-06-04
54: REFUELING NOZZLE

00: -
 [Problem] To provide a refueling nozzle capable of easily adjusting a minute flow rate while improving durability of a main valve constituting a flow rate control mechanism. [Solution] This refueling nozzle receives a liquid from a refueling hose at an inflow port 11, and discharges the liquid out of a nozzle end part 16 through a main valve 15 which is opened and closed by a refueling lever 14 via a valve rod 13 constantly biased in a valve closing direction. The refueling nozzle comprises a flow rate control mechanism 19 that is located upstream of the main valve 15 and that can be operated by the refueling lever. The flow rate control mechanism 19 comprises a through-hole 17 formed in the main valve 15, and a small valve having a protruded part 21 that can close the through-hole 17 and that can be advanced and retreated in the through-hole 17.

21: 2023/08870. 22: 2023/09/19. 43: 2024/11/14
 51: C07C; A61P; A61K
 71: MITOCHONDRIA EMOTION, INC.
 72: DORN, GERALD W
 33: US 31: 63/163,392 32: 2021-03-19
54: CYCLOPROPANE ANALOGUES OF N-(TRANS-4-HYDROXYCYCLOHEXYL)-6-PHENYLHEXANAMIDE AND RELATED COMPOUNDS

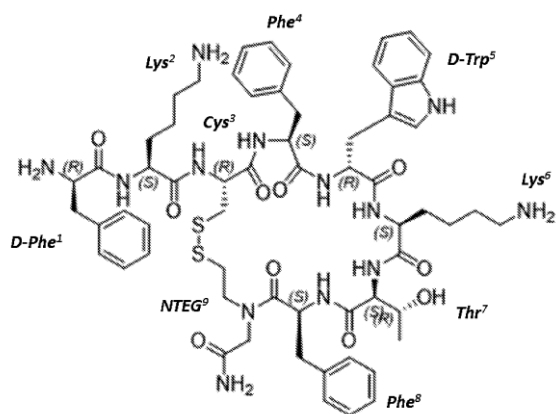
00: -
 The present disclosure relates to compounds of Formula (I): (I) or pharmaceutically acceptable salts thereof. The present disclosure also relates to uses of the compounds, e.g., in treating or preventing diseases, disorders, or conditions (e.g., associated with mitochondria).



21: 2023/08877. 22: 2023/09/19. 43: 2024/12/09
 51: A61K; C07K
 71: TARGET PHARMA LTD.
 72: AFARGAN, Michel, BLUM, Eliav, SALITRA, Yoseph
 33: US 31: 63/156,374 32: 2021-03-04

54: CONFORMATIONAL CONSTRAINED SOMATOSTATIN RECEPTOR 3 PEPTIDE LIGANDS AND THEIR CONJUGATES AND USES THEREOF

00: -
Embodiments of the invention relate to somatostatin receptor selective peptides to somatostatin receptor 3, methods for synthesizing the somatostatin analogs and pharmaceutical, and radiopharmaceutical compositions comprising somatostatin receptor 3 analogs, and methods of using such compositions are disclosed for treatment and for diagnosis.



21: 2023/08911. 22: 2023/09/20. 43: 2024/11/14
51: G06Q; A01B; A01M
71: FARMSMARTER LTD.
72: COKER, PAUL, COKER, REBECCA
33: GB 31: 2102683.6 32: 2021-02-25
54: SYSTEMS AND METHODS FOR SMART FARMING

00: -
The invention provides a computer implemented method for mapping a geographical boundary of an agricultural area (140) within an agricultural region (110). The method includes obtaining location data by way of a handheld mobile device (150) comprising a location data unit and deriving one or more geographical coordinates based on the location data. A map (170) of the agricultural region is obtained and the one or more geographical coordinates are mapped to the map of the agricultural region. A geo-fence (180) representing a boundary of an agricultural area is generated based on the one or more mapped geographical coordinates. The mapped geolocation coordinates are used to combine disease identification data

collected via the device with satellite meteorological and other data to calculate and predict disease spread.

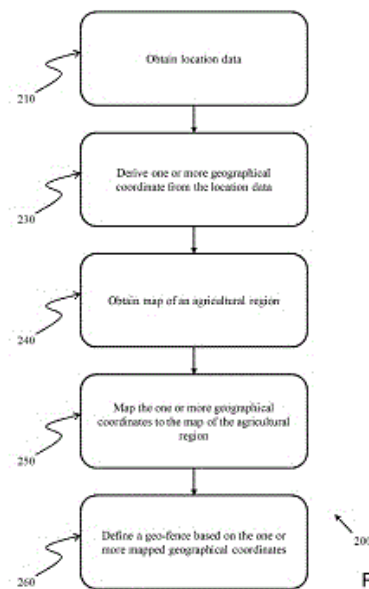


FIG. 2

21: 2023/08912. 22: 2023/09/20. 43: 2024/11/14
51: A01N; A01P; C05G; C08L; C09J
71: FERTIS INDIA PVT. LTD.
72: KANUMURU, RAHUL RAJU, SHAJI, GEORGE KOCHUMALAYIL, GARUDADRI, LAKSHMI PRASANNA KUMAR, SURANENI, RAVIKUMAR, ANINDYA, SIL
33: IN 31: 202141011484 32: 2021-03-18
54: ANTIMICROBIAL COMPOSITION OF CARBOXYLIC ACIDS WITH ALDEHYDE AND ANTIOXIDANTS COMBINATION

00: -
The present invention discloses antimicrobial composition/formulation comprising of carboxylic acids, aldehydes and antioxidants that exhibit synergistic response to control the diseases caused by phytopathogenic microbes in agricultural crops/plants.

21: 2023/08913. 22: 2023/09/20. 43: 2024/11/14
51: A61K; C12Q; C01G
71: FERTIS INDIA PVT. LTD.
72: KANUMURU, RAHUL RAJU, SHAJI, GEORGE KOCHUMALAYIL, GARUDADRI, LAKSHMI PRASANNA KUMAR, SURANENI, RAVIKUMAR, ANINDYA, SIL
33: IN 31: 202141011969 32: 2021-03-20
54: MELATONIN COMPOSITION WITH METALS AND A METHOD FOR ENHANCING ENZYMATI

REACTIONS AND METABOLIC PATHWAYS IN PLANTS

00: -
 The present invention relates to an agricultural composition that comprises melatonin together with metal ion compounds or metal complexes that improve the catalytic activity of enzymes that are involved in metabolic pathways in the plant system, thus improving productivity and its quality. The present invention further relates to a method for enhancing enzymatic reactions and metabolic pathways in plants in the presence of the present composition. The present agricultural composition further aids in plant growth in terms of crop production, total phenol content, total protein content, plant height, leaf area, reduction in stress symptoms, and nutrient composition.

21: 2023/08914. 22: 2023/09/20. 43: 2024/11/14
 51: A61K
 71: FERTIS INDIA PVT. LTD.
 72: KANUMURU, RAHUL RAJU, SHAJI, GEORGE KOCHUMALAYIL, GARUDADRI, LAKSHMI PRASANNA KUMAR, SURANENI, RAVIKUMAR, ANINDYA, SIL

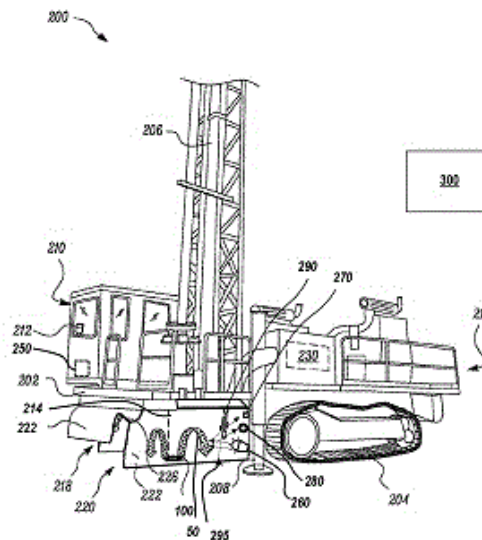
33: IN 31: 202141012166 32: 2021-03-22
54: AGRICULTURAL COMPOSITION COMPRISING MELATONIN AND CARBOXYLIC COMPOUNDS FOR ENHANCING ANTIOXIDANT PROPERTY TO INCREASE CROP YIELD

00: -
 The present invention relates to an agricultural composition of melatonin and carboxylic compounds for improving the antioxidant property to combat environmental stresses. The present invention further relates to a process for improving the antioxidant property to combat environmental stress in the presence of the present agricultural composition.

21: 2023/08953. 22: 2023/09/21. 43: 2024/11/14
 51: G01V; G01J; G01N; E21B
 71: CATERPILLAR INC.
 72: HALTERMAN, JOHN F, MIANZO, LAWRENCE A, NADUKURU, NARAYANA G, OBLAK, TOD A, TAYLOR, LYLE, PETERSON, JAMES, HENDRICKS, CARL

33: US 31: 17/210,554 32: 2021-03-24
54: SYSTEMS, METHODS, AND APPARATUSES FOR REAL-TIME CHARACTERIZATION OF ROCK CUTTINGS DURING ROCK DRILL CUTTING

00: -
 A system, method, and apparatus for real-time characterization of drilled particles (50) during a drilling operation can be comprised of a light illumination source (260) to output short-wave-infrared (SWIR) light toward the drilled particles (50) as the drilled particles (50) exit a drill hole (100) being drilled by a drilling machine (200); a sensor (270) to sense reflected short-wave-infrared (SWIR) light reflected from the drilled particles (50) exiting the drill hole (100); and processing circuitry (250, 252, 255) operatively coupled to at least the sensor (270). The processing circuitry (250, 252, 255) can be configured to determine a spectrum of the reflected short-wave-infrared light sensed by the sensor (270), and determine particle characterization for a portion of the drilled particles (50) by performing hyperspectral analysis on the determined spectrum and based on predetermined candidate particle characterizations.



21: 2023/09011. 22: 2023/09/22. 43: 2024/11/14
 51: H04M; H04R
 71: SAMSUNG ELECTRONICS CO., LTD.
 72: CHOI, KYUWON, KIM, TAEHUN, LEE, YOUNGSUN, HUH, JAEYOUNG
 33: KR 31: 10-2021-0051871 32: 2021-04-21

54: ELECTRONIC DEVICE AND OPERATION METHOD THEREFOR

00: -
 According to a particular embodiment, an electronic device may comprise: a first housing; a first substrate disposed on the first housing; a second

(Formula II) are used, downmixing (12) the 3D decode matrix (D'), and decoding (14) the encoded audio signal (i14) using the downscaled 3D decode matrix (Formula III). As a result, a plurality of decoded loudspeaker signals (q14) is obtained.

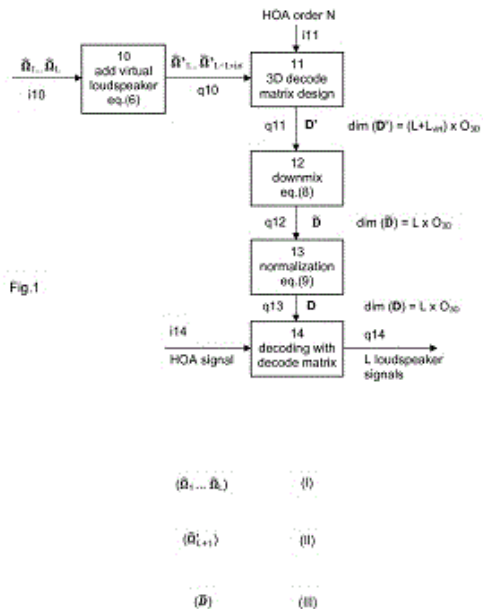


Fig.1

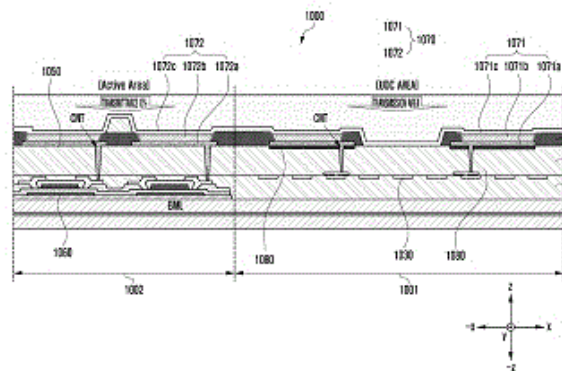
21: 2023/09050. 22: 2023/09/26. 43: 2024/11/14
 51: C05C; A01N; C05F; C05G
 71: UNIVERSITE DE LIEGE, UNIVERSITE DE LILLE
 72: FIFANI, BARBARA, JACQUES, PHILIPPE, DELVIGNE, FRANK, PHALIP, VINCENT
 33: EP 31: 21166842.1 32: 2021-04-02
54: COMPOSITION FOR PROMOTING PLANTS GROWTH AND/OR FOR PROTECTING PLANTS AGAINST AT LEAST ONE PLANT PEST AND/OR ONE PLANT DISEASE

00: -
 The present invention relates to a composition for promoting plants growth and/or for protecting plants against at least one plant pest and/or one plant disease, said composition comprising simultaneously at least one bacteria of the genus Bacillus producing antifungal lipopeptides, at least one fungi of the genus Trichoderma, and at least one nitrogen mineral source. The present invention also relates to the use of such a composition and to a method for obtaining such a composition. The present invention also relates to a co-culture medium for producing at least in part such a composition.

21: 2023/09117. 22: 2023/09/27. 43: 2024/11/14
 51: H01L
 71: SAMSUNG ELECTRONICS CO., LTD.
 72: SHIN, SUNGYOUNG, UHM, MINSUK, LEE, DONGSEOP, LEE, HAECHANG, YANG, BYUNGDUK, KIM, KWANGTAI, YEOM, DONGHYUN
 33: KR 31: 10-2021-0157621 32: 2021-11-16
 33: KR 31: 10-2021-0043957 32: 2021-04-05

54: ELECTRONIC DEVICE COMPRISING CAMERA MODULE

00: -
 According to various embodiments of the present disclosure, an electronic device may comprise a display panel and a camera module placed below the display panel. The display panel may comprise: a first area having a first pixel density and overlapping with the camera module; a second area having a second pixel density that is greater than the first pixel density; a first anti-reflection layer placed in the entire first area or at least a portion thereof; and a plurality of transparent wires placed below first organic light-emitting diodes placed in the first area. The first anti-reflection layer may be placed so as to overlap with lower portions of the first organic light-emitting diodes placed in the first area. The first anti-reflection layer may be placed between an anode electrode of the first organic light-emitting diodes and the plurality of transparent wires.



21: 2023/09120. 22: 2023/09/27. 43: 2024/11/14
 51:
 71: FOLLEA INTERNATIONAL
 72: GOREN, OFER A
 33: US 31: 63/485,333 32: 2023-02-16
 33: US 31: 63/488,045 32: 2023-03-02
 33: US 31: 63/490,939 32: 2023-03-17

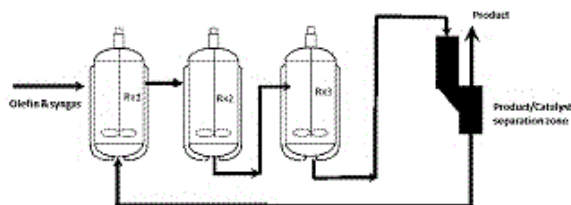
54: COMPOSITIONS AND METHODS FOR THE TREATMENT OF ALOPECIA

00: -
 Embodiments relate to compositions and methods for the treatment of hair loss, which can include treatment of alopecia, via an application of a composition including an alkalizing agent and/or a sulfotransferase enzyme. The composition can be formulated to be an orally administered composition. In some embodiments, the composition is used to increase the response of minoxidil.

21: 2023/09123. 22: 2023/09/27. 43: 2024/11/14
 51: C07C
 71: DOW TECHNOLOGY INVESTMENTS LLC
 72: GILES, JASON F, MILLER, GLENN A
 33: US 31: 63/168,483 32: 2021-03-31

54: HYDROFORMYLATION PROCESSES

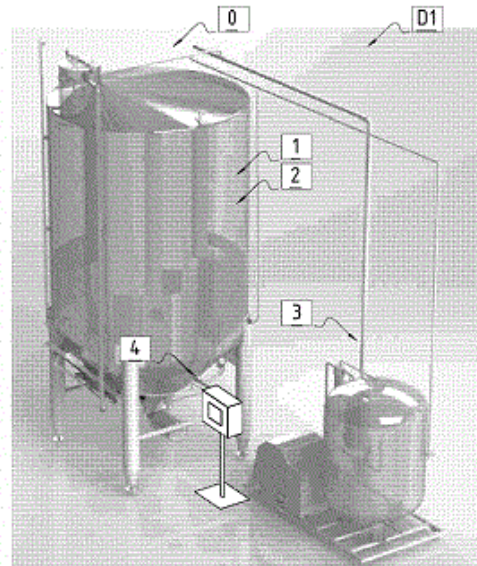
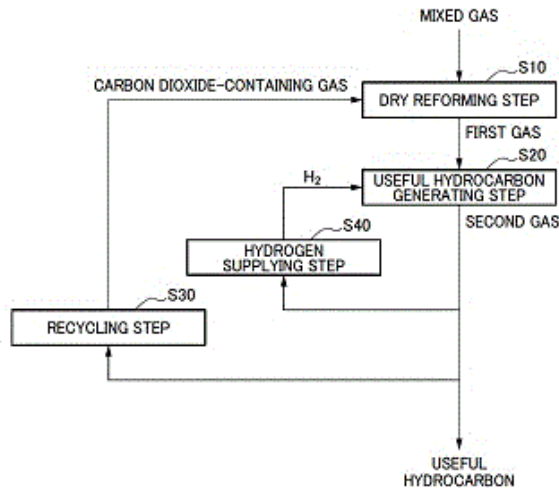
00: -
 This disclosure relates to continuous hydroformylation processes. In one aspect, a continuous hydroformylation process comprises: (a) contacting CO, H₂, and at least one olefin in the presence of a hydroformylation catalyst in a reaction fluid in at least two reaction zones under hydroformylation conditions sufficient to form at least one aldehyde product, wherein the hydroformylation catalyst comprises a catalytic metal and a ligand and wherein a reaction temperature in the first reaction zone is controlled using a first heat exchanger; and (b) recovering at least a portion of the hydroformylation catalyst from a product stream and recycling at least a portion of the recovered hydroformylation catalyst through the first reaction zone. The heat evolution in the first reaction zone is reduced by reducing the reaction rate in the first reaction zone and increasing the reaction rate in a downstream reaction zone to insure sufficient heat removal capacity remains on the heat exchanger in the first reaction zone to insure stable control of the reaction at a target reaction temperature by diverting a portion of an olefin feed stream and/or a portion of the recycled hydroformylation catalyst to a reaction zone downstream from the first reaction zone.



21: 2023/09155. 22: 2023/09/28. 43: 2024/11/14
 51: C07C; C10G; C01B; C07B; C10L
 71: FURUKAWA ELECTRIC CO., LTD.
 72: KAWAMATA, YUKI, FUJIKAWA, TAKASHI,
 FUKUSHIMA, MASAYUKI, BANBA, YUICHIRO,
 MORI, TOMOHIKO, IWANO, YUKI
 33: JP 31: 2021-060916 32: 2021-03-31

54: USEFUL HYDROCARBON PRODUCTION METHOD AND USEFUL HYDROCARBON PRODUCTION DEVICE

00: -
 Provided are a useful hydrocarbon production method and a useful hydrocarbon production device using methane-containing hydrocarbon and carbon dioxide which are easily obtainable source materials and can efficient produce over a long period. The present invention provides a useful hydrocarbon production method including: a dry reforming step for generating a first gas containing carbon monoxide and hydrogen from a mixed gas containing a methane-containing hydrocarbon and carbon dioxide; a useful hydrocarbon generating step of generating a second gas containing a useful hydrocarbon from the carbon monoxide and the hydrogen in the first gas; and a recycling step of separating a carbon dioxide-containing gas from the second gas and supplying the carbon dioxide-containing gas to the dry reforming step.



21: 2023/09180. 22: 2023/09/29. 43: 2024/11/14
51: C12G; B01F
71: TALLERES RUIZ S.A.

72: BLANCO FERNÁNDEZ, JULIO, SÁENZ- DÍEZ MURO, JUAN CARLOS, RUIZ CABEZA, ROBERTO, MAMOLAR DOMENECH, SERGIO, CARVAJAL FALS, HIPÓLITO DOMINGO, SÁNCHEZ ROCA, ÁNGEL, CRESPO SARIOL, HAROLD, JIMÉNEZ MACÍAS, EMILIO, PÉREZ DE LA PARTE, M^a MERCEDES, NIÑO MARTÍN, DANIEL

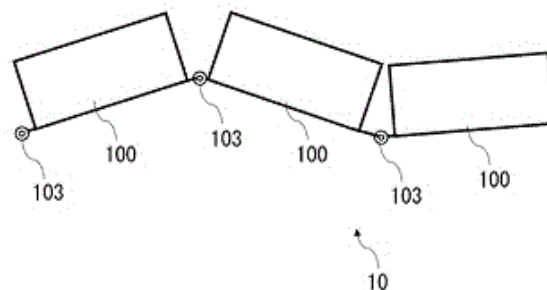
54: METHOD AND DEVICE FOR CONTINUOUS MONITORING AND IMPROVED AUTOMATIC CONTROL OF TEMPERATURE, AND OF AERATION-OXYGENATION, OF THE PROCESS OF ALCOHOLIC FERMENTATION IN WINE BY MEANS OF ACOUSTIC EMISSION TECHNIQUES

00: -
The present invention relates to a device for continuous monitoring and improved automatic control of temperature, and of aeration-oxygenation, of the process of alcoholic fermentation in wine by means of acoustic emission techniques (D1), of the type of devices that incorporate means for tracking and controlling alcoholic fermentation in a self-emptying fermentation tank (0), and that mainly consists of: a. an instrumentation subsystem (1); b. an acoustic emission instrumentation subsystem (2); c. a gas processing and storage subsystem for the gases of air, CO₂, N₂ or O₂ (3); d. a control subsystem (4); and a method (P1) that uses the system (D1).

21: 2023/09182. 22: 2023/09/29. 43: 2024/11/14
51: B25J
71: HIBOT CORPORATION
72: YAMADA, HIROYA

54: ROBOT ARM AND ARTICULATED ROBOT ARM

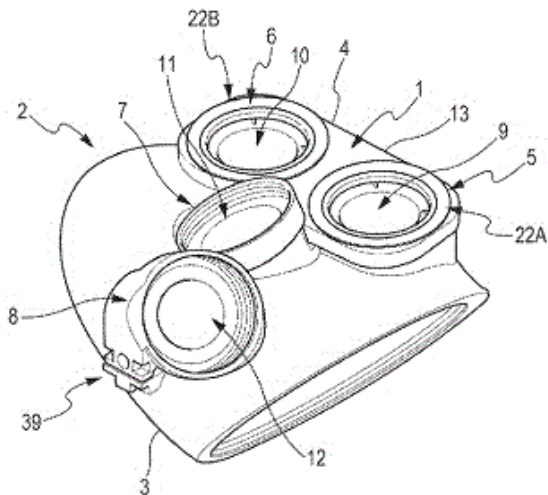
00: -
For the purpose of realizing a robot arm having a long reaching distance, as well as both reduced weight and ease of maintenance, provided is a robot arm (100) comprising a pneumatic cylinder (102) that pulls in a wire (104), and a movable pulley (105) that amplifies a force generated by the pneumatic cylinder (102) and transmits the force through the wire (104), the robot arm (100) being connected at a joint part (103) driven by the force amplified by the movable pulley (105). An articulated robot arm can be realized by connecting a plurality of robot arms (100) in series using joint parts disposed between adjacent robot arms of the plurality of robot arms.



21: 2023/09183. 22: 2023/09/29. 43: 2024/11/14
 51: A61M
 71: CARMAT
 72: PARRA D'ANDERT, FOULQUES, GRIMMÉ,
 MARC, GOUMAUULT, PASCAL, DUBUIS, PASCAL
 33: FR 31: 2103482 32: 2021-04-06

54: DEVICE FOR CONNECTING AN IMPLANTABLE HEART PROSTHESIS TO THE VASCULAR SYSTEM OF A PATIENT, AND HEART PROSTHESIS PROVIDED WITH SUCH A CONNECTING DEVICE

00: -
 - Device for connecting an implantable heart prosthesis to the vascular system of a patient, and heart prosthesis provided with such a connecting device. - The connecting device (1), intended for connecting a heart prosthesis (2), implantable in the pericardial cavity of a patient, to the vascular system of the patient, has an interface component (4) equipped with a mitral interface element (5), a tricuspid interface element (6), an aortic interface element (7) and a pulmonary interface element (8), which are intended for connection to the left atrium, the right atrium, the aorta and the pulmonary artery of the patient, each of the interface elements (5 to 8) being provided with an orifice (9 to 12), and at least some of the interface elements (5 to 8) having different orientations appropriate for taking up the orientations of the heart prosthesis (2) and for respecting the anatomy of the patient, this connecting device (1) making it possible in particular to fit the heart prosthesis (2) in place more easily and more quickly.

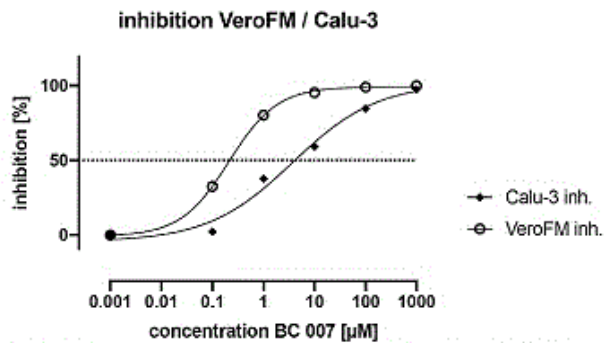


21: 2023/09185. 22: 2023/09/29. 43: 2024/11/14

51: C12N; A61K
 71: BERLIN CURES GMBH
 72: HABERLAND, ANNEKATHRIN, MÜLLER,
 JOHANNES, WALLUKAT, GERD, GÖTTEL, PETER
 33: EP 31: PCT/EP2021/059328 32: 2021-04-09

54: APTAMERS FOR USE IN THE TREATMENT OF CORONAVIRIDAE INFECTIONS

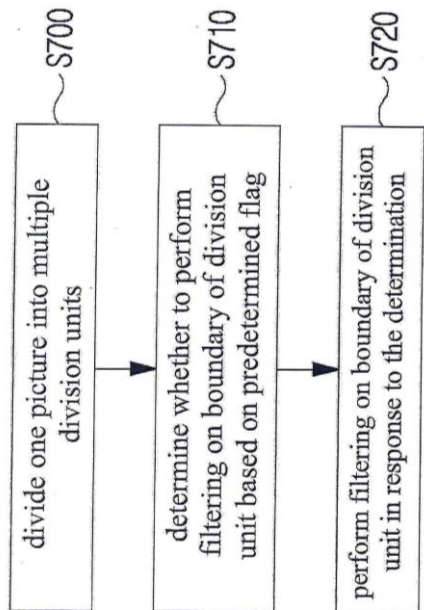
00: -
 The present invention relates to new aptamer molecules for use in treating, curing or preventing disease symptoms associated with long COVID in a patient having overcome an infection with a virus from the Coronaviridae family, a pharmaceutical composition and a kit comprising such aptamer molecules.



21: 2023/10887. 22: 2023/11/24. 43: 2025/01/13
 51: H04N
 71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
 72: KIM, Ki Baek
 33: KR 31: 10-2019-0115073 32: 2019-09-18

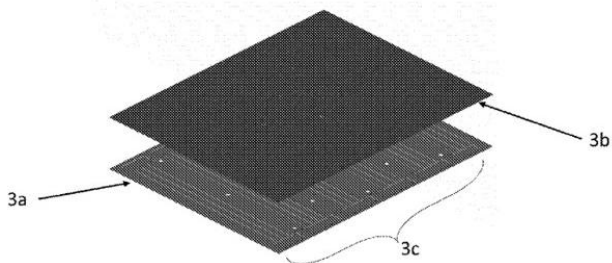
54: IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS

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.



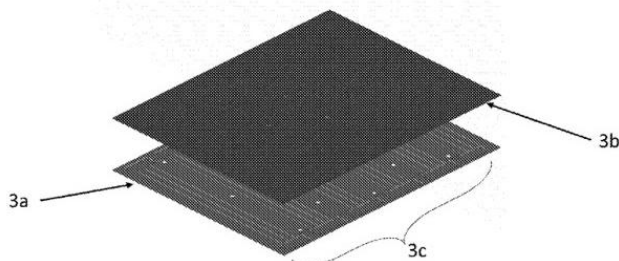
21: 2023/11574. 22: 2023/12/18. 43: 2025/01/09
 51: C23C; H01M
 71: ARCELORMITTAL
 72: Astrid GREGOIRE
 33: IB 31: PCT/IB2021/057034 32: 2021-08-02
54: COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD

00: -
 The invention deals with a cooling systems of battery pack comprising a metallic coated steel sheet wherein said metallic coating is based on aluminium and comprises optionally silicon and unavoidable impurities.



21: 2023/11575. 22: 2023/12/18. 43: 2025/01/09
 51: C23C; H01M
 71: ARCELORMITTAL
 72: Astrid GREGOIRE, Christian ALLELY, Tiago MACHADO AMORIM, Matthieu AMBLARD
 33: IB 31: PCT/IB2021/057033 32: 2021-08-02
54: COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD

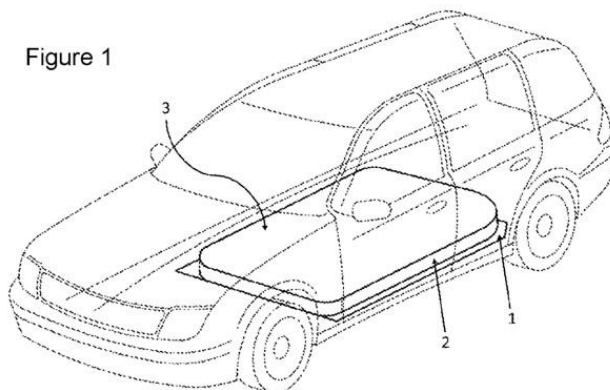
00: -
 The invention deals with a cooling systems of battery pack comprising a metallic coated steel sheet wherein said metallic coating comprises aluminium, zinc, optionally silicon and unavoidable impurities coming from the production process.



21: 2023/11578. 22: 2023/12/18. 43: 2025/01/09
 51: B32B; C22C; C23C; H01M
 71: ARCELORMITTAL
 72: Pascale SANZEY, Tiago MACHADO AMORIM, Tarek KRIM, Laurence DOSDAT, Aurélie BESSON
 33: IB 31: PCT/IB2021/057036 32: 2021-08-02
54: STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD

00: -
 The invention deals with a top cover of battery pack comprising a metallic coated steel sheet wherein said metallic coating is based on aluminium and comprises optionally silicon and unavoidable impurities.

Figure 1



21: 2023/11580. 22: 2023/12/18. 43: 2025/01/09
 51: B05D; B32B; C22C; C23C; H01M
 71: ARCELORMITTAL
 72: Pascale SANZEY, Christian ALLELY, Tarek KRIM, Laurence DOSDAT, Aurélie BESSON
 33: IB 31: PCT/IB2021/057038 32: 2021-08-02

54: STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD

00: -
The invention deals with a top cover of a battery pack comprising a metallic coated steel sheet wherein said metallic coating is topped by an organic coating and wherein said organic coating has two layers, the first layer of the organic coating in contact with the metallic coating having a thickness of 2 to 25 μm, and the second layer of the organic being based on polyester or polyurethane.

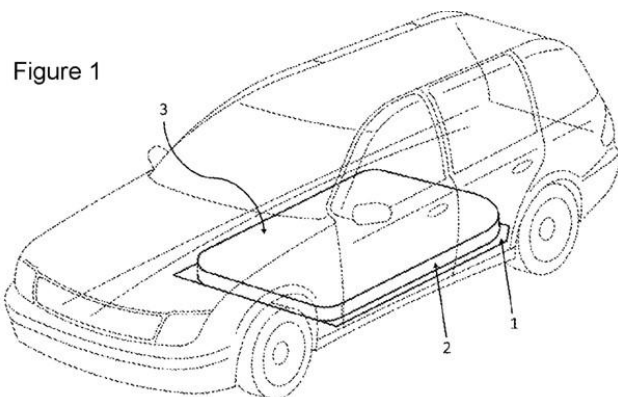
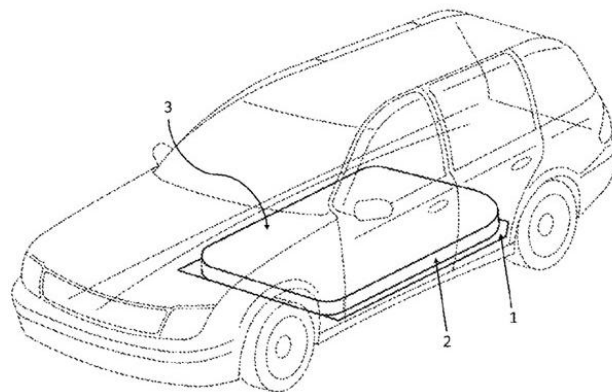


Figure 1

21: 2023/11581. 22: 2023/12/18. 43: 2025/01/09
51: C23C; H01M
71: ARCELORMITTAL
72: Pascale SANZEY, Tiago MACHADO AMORIM, Tarek KRIM, Laurence DOSDAT, Aurélie BESSON
33: IB 31: PCT/IB2021/057035 32: 2021-08-02

54: STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD

00: -
The invention deals with a top cover of battery pack comprising a metallic coated steel sheet wherein said metallic coating is based on zinc and comprises aluminium, magnesium and unavoidable impurities.



21: 2024/00574. 22: 2024/01/17. 43: 2024/12/12
51: A01B; A01G

71: ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, JIUQUAN ACADEMY OF AGRICULTURAL SCIENCES

72: MIU, Chunqing, CHEN, Xiaojun, WANG, Zenghui, ZHENG, Rong, WANG, Juan, WANG, Xing, LI, Jiali, GUAN, Chengping

54: WATER-SAVING CORN CULTIVATION METHOD USING UNDER-FILM DRIP IRRIGATION

00: -
Disclosed is a water-saving corn cultivation method including: laying drip irrigation pipe, performing tillage and soil preparation, covering the soil with a mulching film and seeding; applying a base fertilizer, irrigating multiple times in an under-film drip irrigation manner while topdressing repeatedly during the growth period of the corn; harvesting the corn when mature, wherein an irrigating quota satisfies the formula: $m=0.1 \times \gamma \times z \times P \times (\theta_{max} - \theta_{min}) / \eta$; m-a designed irrigating quota mm; γ -the volume weight g/cm³ of the soil, which is 1.4-1.45 g/cm³; z-a planned depth m of a soil wetting layer, which is 0.35-0.45 m; P-a wetting ratio %, which is 60-70%; θ_{max} -the upper limit of an appropriate soil moisture content, which is 90-92% of the maximum water-holding capacity; θ_{min} -the lower limit of the appropriate soil moisture content, which is 70-72% of the maximum water-holding capacity; η -a utilization factor of irrigation water, which is 0.9-0.95. The method saves water while achieving high corn yield.

21: 2024/01329. 22: 2024/02/13. 43: 2024/09/30

51: C25C

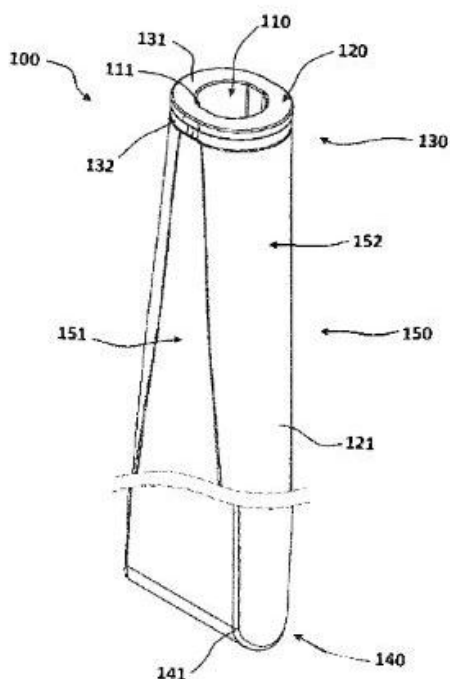
71: ELYSIS LIMITED PARTNERSHIP

72: SHANTA, Charles, PRINCE, David, MICKELSON, Larry

33: US 31: 63/241,258 32: 2021-09-07

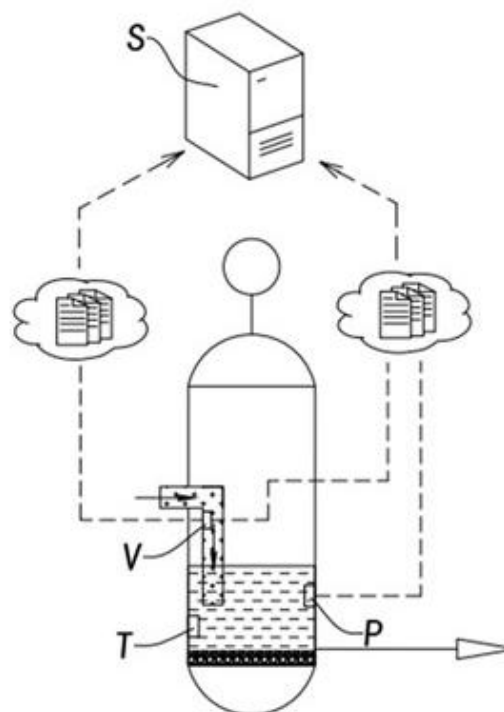
54: AN ELECTRODE BODY OF AN ELECTRODE FOR THE ELECTROLYTIC PRODUCTION OF A METAL

00: -
 It is disclosed an electrode body for the electrolytic production of a metal comprising a first portion for operatively connecting the electrode body to an electrolytic cell; a second portion, opposite the first portion; and a middle portion extending between the first and second portions. The body has a continuous external surface forming a round transition between the second and middle portions. The external surface of the middle portion comprises two opposite outer flat surfaces for facing surfaces of adjacent electrodes when the electrode is plunged into an electrolytic bath of the electrolytic cell comprising said adjacent electrodes. Preferably, the electrode is an anode and the anode body has a bore shape with a continuous external surface of the body wall. Preferably, the electrode body is made from a metal alloy, a ceramic or cermet material to form an inert or oxygen-evolving anode used for an eco-friendly production of aluminum.



54: METHOD FOR PREPARING PHOSPHORUS PENTAFLUORIDE

00: -
 The present application relates to the technical field of intelligent preparation and particularly discloses a method for preparing phosphorus pentafluoride, including: passing phosphorus pentafluoride containing gaseous impurities into a metal fluoride to cure phosphorus pentafluoride in the form of hexafluorophosphate; and thermally decomposing hexafluorophosphate to obtain purified phosphorus pentafluoride. Particularly, in the process of passing phosphorus pentafluoride containing gaseous impurities into the metal fluoride to cure phosphorus pentafluoride in the form of hexafluorophosphate, a mapping relationship between a time sequence cooperative change of a contact temperature and a reaction pressure and a time sequence change of introduction flow rate values of phosphorus pentafluoride is established through a deep neural network model, thereby realizing the adaptive adjustment of the introduction flow rate values of phosphorus pentafluoride based on an actual time sequence cooperative change of a contact temperature value and a reaction pressure value in real time.



21: 2024/02015. 22: 2024/03/11. 43: 2024/12/12
 51: C01B
 71: FUJIAN LONGDE NEW ENERGY CO., LTD
 72: YANG, Ruifu, LAN, Maowei, CHEN, Songmei
 33: CN 31: 2023104799690 32: 2023-04-28

21: 2024/02019. 22: 2024/03/11. 43: 2024/12/12

51: C01D; G06N

71: FUJIAN LONGDE NEW ENERGY CO., LTD

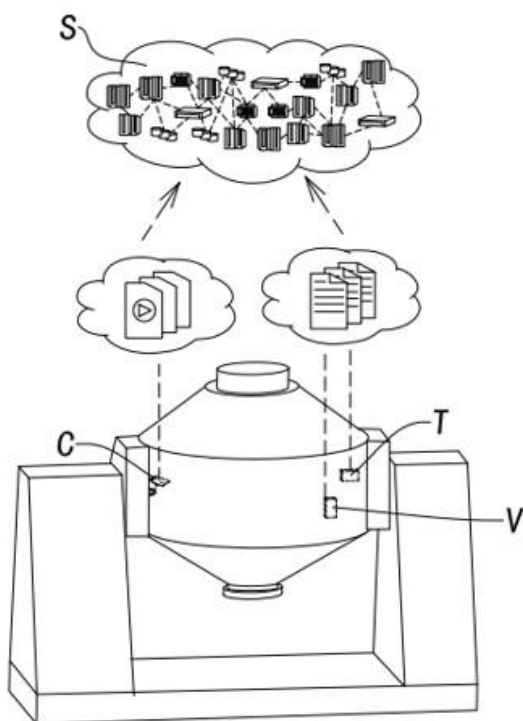
72: LAI, Yuhe, LAN, Jiajian, YANG, Ruifu

33: CN 31: 202310584446.2 32: 2023-05-23

54: PURIFICATION METHOD AND SYSTEM OF ELECTRONIC-GRADE LITHIUM HEXAFLUOROPHOSPHATE

00: -

The present application relates to the field of intelligent detection, and in particular to a purification method and system of electronic-grade lithium hexafluorophosphate, which uses a deep learning-based neural network model to uncover an implicit contextual correlation between a drying temperature and a vacuum degree in a purification process. This enables automated control of the drying temperature, effectively preventing issues such as product decomposition and loss of crystal water, thereby enhancing the purity and quality of the electronic-grade lithium hexafluorophosphate product.



21: 2024/02178. 22: 2024/03/18. 43: 2024/11/06

51: A61K; A61P; C07D

71: Shanghai Qilu Pharmaceutical Research and Development Centre Ltd., Qilu Animal Health Products Co., Ltd.

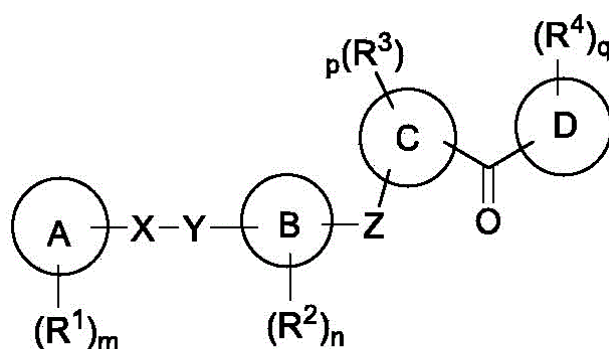
72: WANG, Junfei, CHENG, Cang, CHI, Bo, SUN, Daqing

33: CN 31: 202111044417.4 32: 2021-09-07

54: 3CLPRO PROTEASE INHIBITOR

00: -

Provided are a 3CLpro protease inhibitor, a pharmaceutical composition containing the compound of formula (I), and a method for treating coronavirus by using the compound.



(I)

21: 2024/02329. 22: 2024/03/22. 43: 2024/12/12

51: G06F; G08B; G06N

71: FUJIAN TIANFU ELECTRONIC MATERIAL CO., LTD.

72: LI, WENBIN, ZHENG, QI, LIN, DALU

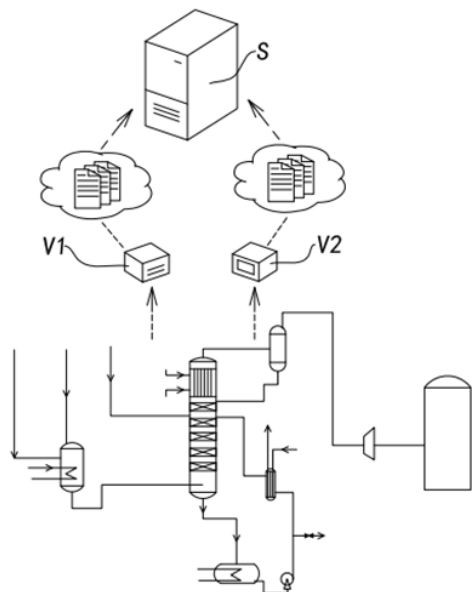
33: CN 31: 2023103212612 32: 2023-03-29

54: INTELLIGENT TOXIC AND HARMFUL GAS ALARM SYSTEM FOR NITRIC ACID PREPARATION

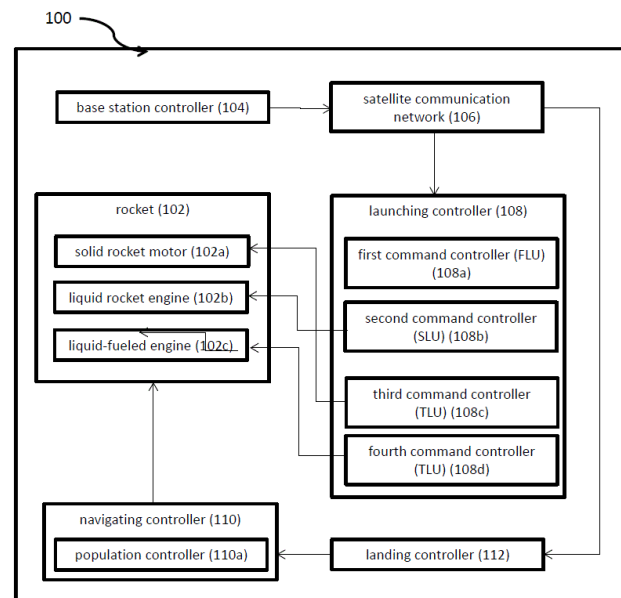
00: -

The present application relates to the field of intelligent early warning and particularly discloses an intelligent toxic and harmful gas alarm system for nitric acid preparation, which mines correlation feature distribution information between a time-series change of gas detection result data and a time-series cooperative correlation change of temperature and humidity during a nitric acid preparation process using a neural network model based on deep learning to comprehensively perform leakage early warning of harmful gases based on a time-series change condition of temperature and

humidity and a condition of a gas detection result, ensuring the safety of the nitric acid preparation process.



object for landing on the lunar surface. The system provided in the present invention promise efficient and sustainable non-biodegradable waste disposal in lunar environments.



21: 2024/02539. 22: 2024/04/02. 43: 2025/01/03
51: B64G

71: Techno India University, West Bengal
72: Dr. Subashis Biswas, Dipayan Ghosh
33: IN 31: 202331032527 32: 2023-05-08

54: A SYSTEM AND METHOD FOR TRANSPORTING THE NON-BIODEGRADABLE PRODUCTS TO LUNAR SURFACE

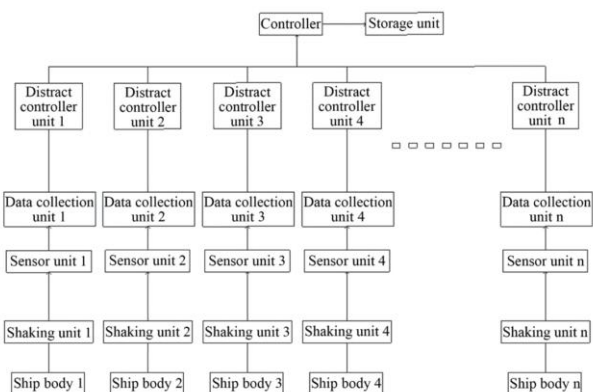
00: -
The present invention relates to a system (100) and method (200) for transporting the non-biodegradable products to lunar surface. The system (100) integrates a first command controller (FLU) (108a) for satellite communication with a base station controller (104) to determine initial thrust for rocket (102) liftoff. Additional components include a second command controller (SLU) (108b) for continuous thrust, a third command controller (TLU) (108c) for thrust production, and a fourth command controller (FOLU) (108d) for a boost. A navigating controller (110) determines lunar surface coordinates, adjusting rocket burns for trajectory modification, while a landing controller (112) applies braking series for controlled descent, allowing the rocket (102) to be captured by lunar gravity and deploy the

21: 2024/02592. 22: 2024/04/03. 43: 2025/01/17
51: B63B; G09B

71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: LIU, Zailiang, ZHANG, Bo, WANG, Jiazheng
33: CN 31: 202311823435.1 32: 2023-12-27

54: SIMULATION DRIVING CALIBRATION SYSTEM FOR UNMANNED SHIP

00: -
A simulation driving calibration system for an unmanned ship includes a shaking unit, configured to simulate movement in six directions during navigation of a ship body; a sensor unit, configured to record a shaking angle of the shaking unit and transmit angle data; a data collection unit, configured to collect a shaking picture of the shaking unit, generate an image for transmitting, and simultaneously receive and transmit the angle data transmitted by the sensor unit; a distract controller unit, configured to receive the image and the angle data transmitted by the data collection unit, perform comparative analysis according to a preset rule to generate an analysis result for transmitting, and simultaneously calibrate the shaking angle of the shaking unit according to the analysis result.



21: 2024/02816. 22: 2024/04/11. 43: 2024/10/16
51: A23K

71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, KONG, Xiangfeng, FENG, Yanzhong, HE, Fumeng, WANG, Xue, ZHANG, Minghui

54: ARTEMISIA CARVIFOLIA RESIDUE FERMENTED FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF LAYING HENS AND PREPARATION METHOD THEREOF

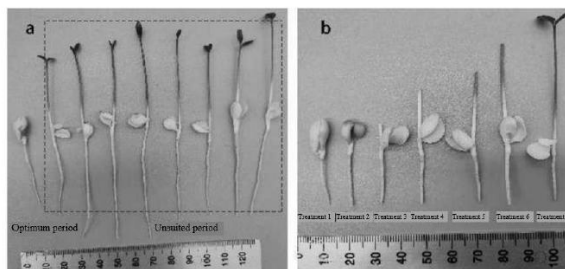
00: -
The present invention discloses a preparation method and application of an Artemisia carvifolia residue fermented feed additive for improving the production performance of laying hens. The main components of the present invention are Artemisia carvifolia residues, a compound bacterial agent, fermented brown sugar and distilled water, which are as follows by weight ratio: 100 parts of Artemisia carvifolia residues, 3 parts of compound bacterial agent, 5 parts of fermented brown sugar and 80 parts of water. The preparation method comprises: (1) adaptive growth of compound bacterial agent; (2) optimization of a wall-breaking fermentation process of Artemisia carvifolia residues; and (3) response surface optimization. The Artemisia carvifolia residue fermented feed additive in the present invention is applied in the feeding process of laying hens.

21: 2024/02842. 22: 2024/04/12. 43: 2024/10/17
51: A01G

71: CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE
72: HUANG, Xiu, KE, Fuzhi, CUI, Changjiang, NIE, Zhenpeng, SUN, Lifang, WANG, Luoyun
33: CN 31: 202310680064X 32: 2023-06-09

54: EMBRYO GRAFTING METHOD FOR CITRUS HYBRID SEEDS

00: -
The present invention discloses an embryo grafting method for citrus hybrid seeds. The method includes the following steps: cutting off growing germs of the citrus hybrid seeds that miss an optimum grafting period of embryo seedlings with scissors, and retaining caulicle of 7 mm long; and grafting the embryo seedlings onto 2-year-old rootstocks, and covering the embryo seedlings with finger sleeves for grafting and moisturizing for performing moisturizing, to prevent grafted hybrid seedlings from losing too much water and dying. The invention solves the problem, common in actual breeding work, that growth of seed radicles is poor due to the seeds, or the optimum grafting period of the embryo seedlings is missed due to belated grafting so that the hybrid seedlings after grafting die.



21: 2024/02861. 22: 2024/04/12. 43: 2024/10/17
51: C12N; C12R

71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, ZHANG, Ying, HE, Fumeng, WANG, Xue, LIU, Dan, PANG, Wenyuan

54: PREPARATION METHOD OF BACILLUS AMYLOLIQUEFACIENS POWDER

00: -
The present invention discloses a preparation method of a Bacillus amyloliquefaciens powder. The main component of the present invention is Bacillus amyloliquefaciens C4, and further comprises kaolin, sodium dodecyl benzene sulfonate, sodium lignin sulfonate and humic acid, which are as follows by weight percentage: 3% of Bacillus amyloliquefaciens C4, 20% of kaolin, 6% of sodium dodecyl benzene sulfonate, 5% of sodium lignin sulfonate, 6% of humic acid and 60% of water. After quality test, the indexes of the wettable powder of Bacillus amyloliquefaciens C4 meet national standards. The

wettable powder of *Bacillus amyloliquefaciens* C4 has the characteristics of low production cost, high effective ingredients, easy storage, green and environmental protection, has low toxicity to crops, and also shows a significant prevention effect on bacterial wilt when applied to potatoes.

21: 2024/02911. 22: 2024/04/15. 43: 2024/11/08
51: B26B

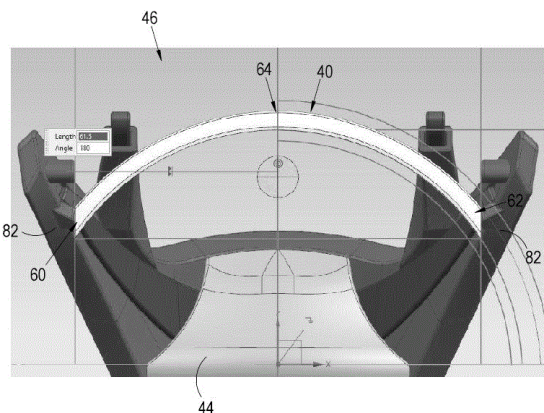
71: ANGELOS, Komninos George, LAWRENCE, Allen Preston

72: LAWRENCE, Allen Preston

54: RAZOR

00: -

A razor is provided comprising a razor cartridge fitted with at least one razor blade having a cutting edge which is curved, when viewed in plan, and arced, when viewed from the front, the razor blade being angled relative to a surface to be shaved, the curved cutting edge defining an arc with two ends and a midpoint. The orientation of the razor cartridge is movable between a first position, in the case of a flat surface to be shaved, in which the two ends and the midpoint of the arc are on the same plane to define a flat shaving profile; a second position, in the case of a convex surface to be shaved, in which the midpoint of the arc is lifted relative to the two ends of the arc, to define a convex shaving profile; and a third position, in the case of a concave surface to be shaved, in which the midpoint of the arc is lowered relative to the two ends of the arc, to define a concave shaving profile.



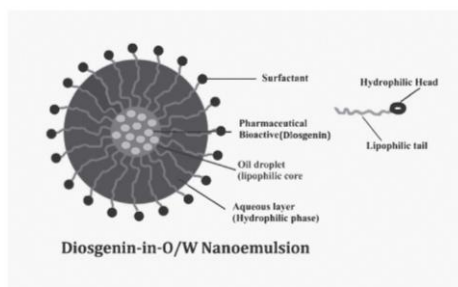
21: 2024/02925. 22: 2024/04/16. 43: 2024/11/08
51: A61K; A61P
71: UNIVERSITY OF SOUTH AFRICA

72: AKINSIPO, Oyesolape Basirat, DARE, Enock Olugbenga, ALAYANDE, Samson Oluwagbemiga, OLADOYINBO, Fatai Oladipupo, SANNNI, Lateef, KATARE, Deepshikha Pande, MSAGATI, T.A.M.
33: ZA 31: 2021/07408 32: 2021-10-01

54: A NANO EMULSIFIED PHYTO-DRUG FOR TRANSDERMAL TREATMENT OF DIABETES

00: -

The invention provides a non-invasive and natural formulation and a method of producing a formulation comprising an antidiabetic agent diosgenin encapsulated and protected in an oil-in-water nanoemulsion matrix, wherein diosgenin is dissolved in an oil phase of sesame oil and bottle gourd seed oil. The nanoemulsion matrix is prepared using low energy and ambient temperature and includes Tween 80 as a non-ionic surfactant and glycerol as a co-surfactant. The formulation allows for the transdermal delivery of encapsulated diosgenin to a patient for treatment of diabetes, and in particular for Type II diabetes mellitus.



21: 2024/02973. 22: 2024/04/17. 43: 2025/01/02
51: B01D

71: China Railway First Group Co., Ltd

72: Li Fei, Guo Zifei, Hu Xiaping, Yu Ziyong, Mao Wending, Liu Jihong, Xin Yuexin, Tong Hanlin, Yuan Zhilu

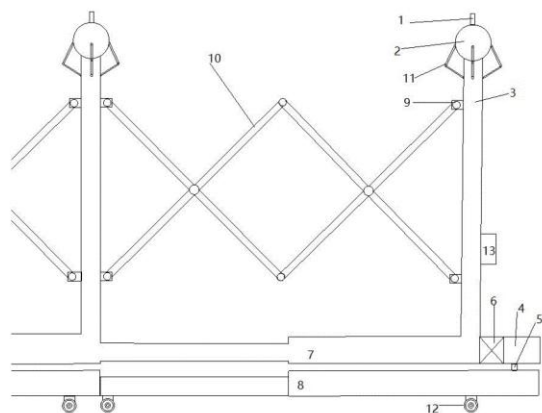
33: CN 31: 2023210787107 32: 2023-05-08

54: A DUST REDUCTION DEVICE FOR CONSTRUCTION

00: -

This invention discloses a dust reduction device for construction, comprising: Telescopic water pipes: These pipes have a retractable structure and are equipped with a first water inlet at one end, with a water pump installed inside the first water inlet. Support structure: Positioned below the telescopic water pipes, the support structure connects to the first water inlet via a second water inlet. Connecting rods: Multiple connecting rods are installed in

parallel above the telescopic water pipes. These rods are connected to each other through the telescopic structure. One side of the connecting rods is equipped with a control system. Spherical spray device: Multiple spherical spray devices are installed and connected to the connecting rods via folding rods, allowing them to slide. The water pump, folding rods, and telescopic structure are all electrically connected to the control system. The dust reduction device generated by this utility model's technical solution can be extended or retracted as needed, allowing for quick installation and space-saving benefits.



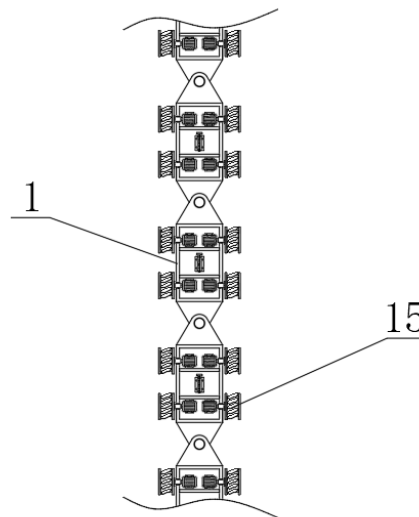
21: 2024/02976. 22: 2024/04/17. 43: 2024/12/19
 51: G05D
 71: West Anhui University
 72: Bao Huifang, Zhang Jinsi, Fang Jie, Li Zebin, Wu Yuebo

33: CN 31: 202310789568.5 32: 2023-06-30

54: MOBILE ROBOT REALIZING ACTIVE OBSTACLE AVOIDANCE

00: -
 The present invention relates to the technical field of mobile robots, and in particular to a mobile robot realizing active obstacle avoidance. The mobile robot includes: connecting tables, a plurality of connecting tables are available, which are sequentially movably connected end to end; and flexible guide rails, which are fixedly installed above the supporting tables, a carrier platform slidably sleeves above the periphery of the flexible guide rail, a driving assembly is disposed below the carrier platform, and the carrier platform moves on the flexible guide rails through the driving assembly. The position of the carrier platform on the flexible guide rail may be adjusted through the driving assembly,

so that a charging pile of a new energy automobile placed on the carrier platform may be moved, so as to actively adapt to positions of charging interfaces on different vehicles, meanwhile, a safe distance of the new energy automobile may be actively adapted through the detection effect of an infrared distance measuring sensor, so as to achieve the effect of active obstacle avoidance to prevent collision of the new energy automobile with the charging pile.



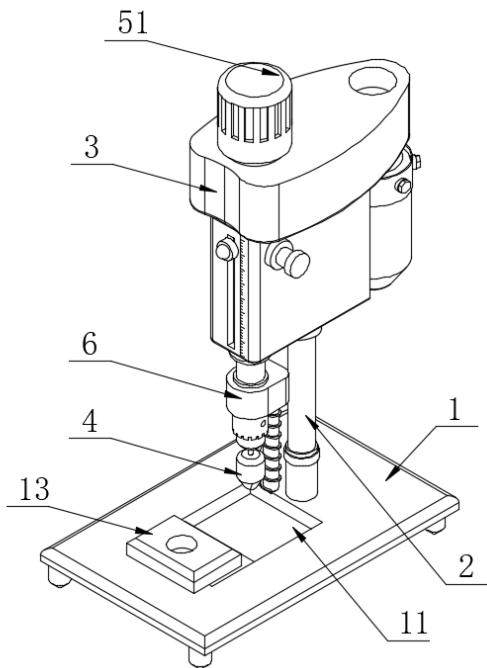
21: 2024/02978. 22: 2024/04/17. 43: 2024/12/19
 51: G01N
 71: West Anhui University
 72: Wu Yuebo, Bao Huifang, Fang Jie, Wang Ruisong, Zhou Jian

33: CN 31: 202310824453.5 32: 2023-07-06

54: DEVICE FOR DETECTING WATER CONTENT IN SOIL

00: -
 The present invention relates to the technical field of pressure resistance detection devices, and in particular to a device for detecting water content in soil, including a workbench and an iron sampling head, where an adjustable telescopic rod is fixedly installed at the top of the workbench, a cabin is installed at the top of the adjustable telescopic rod, a driving assembly is provided at the top of the workbench and received in the cabin, the driving assembly is further provided with an anti-collision mechanism therein, a groove corresponding to the iron sampling head is provided inside the workbench, and a sampling device is provided inside the iron sampling head. After the iron sampling head

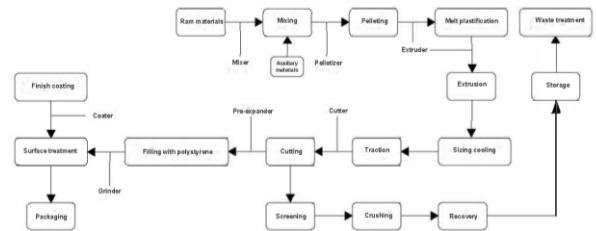
is driven by the driving assembly to pass the groove, during the process of advancing into the soil, when stones or hard objects appear, the anti-collision mechanism on the driving assembly first comes into contact with the stones or hard objects to avoid damage to the iron sampling head caused by direct contact. Moreover, when the iron sampling head is inserted into the soil to sample the soil for detection, the sampling device can collect soil at different depths to avoid affecting the detection accuracy due to mixing with soil samples from other depths.



21: 2024/02999. 22: 2024/04/18. 43: 2024/12/23
 51: C07K; C08L; E04F
 71: ANHUI HUAISU BUILDING MATERIALS CO., LTD.
 72: Yu MIAO, Jibing ZHANG, Peiyao FAN, Qiheng WU, Bin SHAO
 33: CN 31: 2023104531901 32: 2023-04-25
54: A STRAW-BASED WPC FLOORBOARD AND ITS FABRICATION PROCESS

00: -
 The present invention reveals a straw-based wood-plastic composite (WPC) floorboard and its fabrication process, falling within the realm of WPC floorboard technology. The composition comprises raw materials, auxiliary materials, and additives. The raw materials include straw powder, bamboo powder, and PVC. The auxiliary materials consist of

resin, plant fiber, and diatom ooze. The additives encompass binder, lubricant, plasticizer, magnesium hydroxide, antioxidant, flame retardant, and pigment. The raw material ratio is as follows: Straw powder 20-30 parts, bamboo powder 10-15 parts, and PVC 10-15 parts. The auxiliary material ratio is resin 10-15 parts, plant fiber 8-15 parts, and diatom ooze 8-15 parts. The additive ratio is binder 5-10 parts. Employing the use of polystyrene foam filler within the hollow configuration of a finished WPC floorboard serves to augment the structural support capabilities of the WPC floorboard as a whole, while boosting thermal insulation and acoustic dampening properties at its underside. The incorporation of plant fibers and composite diatom ooze within WPC floorboard allows for the utilization of the interstitial spaces within these fibers, thereby endowing the floorboard with a certain adsorptive capacity for harmful substances present in the environment.

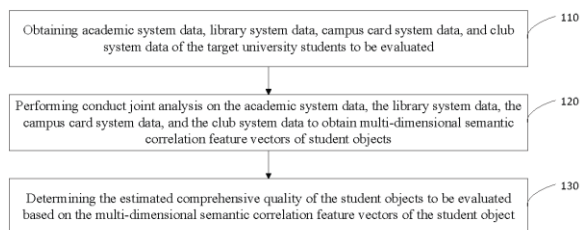


21: 2024/03004. 22: 2024/04/18. 43: 2024/12/24
 51: G06Q
 71: ZHENGZHOU YOUMEI INTELLIGENT TECHNOLOGY CO., LTD.

72: Zhong LI, Guopeng LI, Lei YU, Lijun GUO
 33: CN 31: 2023110831617 32: 2023-08-25
54: COMPREHENSIVE QUALITY MANAGEMENT SYSTEM AND METHOD FOR UNIVERSITY STUDENTS BASED ON BIG DATA ANALYSIS
 00: -

A comprehensive quality management method for university students based on big data analysis, includes steps of: obtaining academic system data, library system data, campus card system data, and club system data of the target university students to be evaluated; performing conduct joint analysis on the academic system data, the library system data, the campus card system data, and the club system data to obtain multi-dimensional semantic correlation feature vectors of student objects; and determining the estimated comprehensive quality of the student

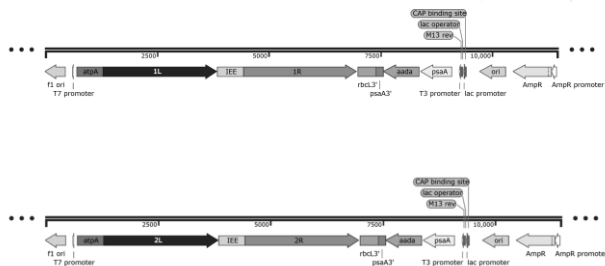
objects to be evaluated based on the multi-dimensional semantic correlation feature vectors of the student object.



21: 2024/03010. 22: 2024/04/18. 43: 2024/12/24
 51: C12N
 71: SHENZHEN UNIVERSITY
 72: ZHANG, Guiying, HU, Zhangli, GUO, Chunli, JIA, Bin, LI, Xinyi, JIANG, Yanan
 33: CN 31: 202311319287.X 32: 2023-10-12
54: METHOD FOR PROMOTING EFFICIENT REPLACEMENT AND HOMOGENIZATION OF CHLAMYDOMONAS CHLOROPLAST GENOME
 00: -

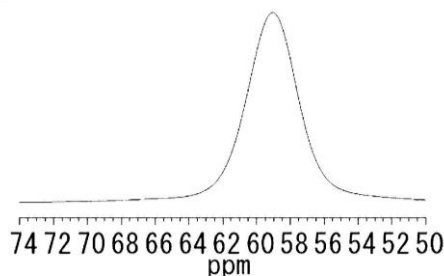
The present disclosure relates to the technical field of genetic engineering, and in particular to a method for promoting efficient replacement and homogenization of Chlamydomonas chloroplast genome, which includes the steps of selecting target sequence, designing TALENs recognition site, and synthesizing nuclease sequence recognizing TALENs recognition site; constructing a vector for TALENs expression module, and synthesizing and assembling a newly synthesized Chlamydomonas reinhardtii genome; transforming Chlamydomonas reinhardtii with plasmids, screening and functionally verifying the transformed Chlamydomonas reinhardtii, to achieve replacement and homogenization of the wild-type genome with the new synthetic genome. The method is based on the uniform distribution of SDRs in the Chlamydomonas reinhardtii chloroplast genome. By designing and synthesizing a newly synthesized Chlamydomonas reinhardtii chloroplast genome that does not contain TALENs recognition sites but contains TALENs expression modules, after transforming Chlamydomonas reinhardtii, the newly synthesized genome avoids being cleaved by TALENs, while the wild-type genome cleaved into fragments by TALENs is degraded, which achieves the purpose of replacing the wild-type genome sequence with the

newly synthesized genome in the Chlamydomonas reinhardtii chloroplast.



21: 2024/03022. 22: 2024/04/18. 43: 2024/10/30
 51: B01D; B01J; C01B
 71: Asahi Kasei Kabushiki Kaisha
 72: OKUBO, Atsushi
 33: JP 31: 2021-173424 32: 2021-10-22
54: GIS-TYPE ZEOLITE, ADSORBENT, AND SEPARATION METHOD
 00: -

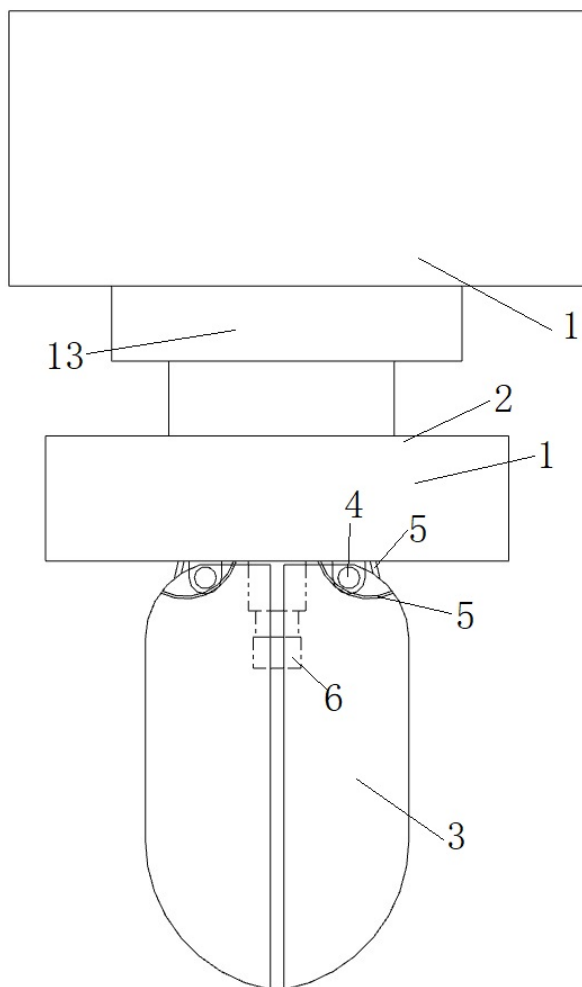
This GIS-type zeolite has a silica-alumina ratio of at least 0.87, and if A represents the full-width at half maximum of the peak derived from Al in the skeleton of the zeolite as observed in the ²⁷Al-MAS-NMR spectrum, then A ≤ 5.6 ppm is satisfied.



21: 2024/03037. 22: 2024/04/18. 43: 2024/12/20
 51: G01N
 71: West Anhui University
 72: Wu Yuebo, Bao Huifang, Fang Jie, Zhou Jian, Wang Chuansheng
 33: CN 31: 202310985293.2 32: 2023-08-07
54: SOIL DETECTION DEVICE
 00: -

The present invention relates to the technical field of soil detection, and in particular to a soil detection device, including a detection body, where a detecting member is provided on the detection body and includes an extension block, an annular groove is provided on a lower end surface of the extension block, a piston ring is slidably connected in the annular groove, a protective barrel is connected to a lower end of the piston ring, an opening is provided on a lower end of the protective barrel, a door is

provided at the opening, an upper end surface of the piston ring is connected to a first moving member by virtue of a moving rod, the first moving member is configured to control the piston ring to move up and down in the annular groove, a connecting barrel communicated to the bottom of the annular groove is provided on the axis of the annular groove, a disk piston is slidably connected in the connecting barrel, and a probe pin is connected to a lower end of the disk piston. The probe pin of the present invention facilitates detection in the soil, thereby reducing the probability of the probe pin being damaged by hard objects in the soil.

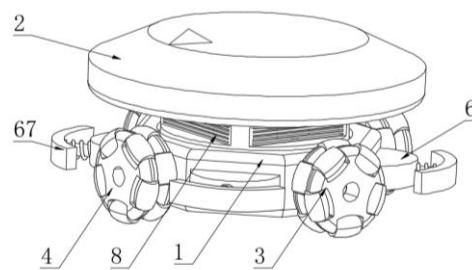


21: 2024/03038. 22: 2024/04/18. 43: 2024/12/19
 51: B23Q
 71: West Anhui University
 72: Bao Huifang, Li Zebin, Xu Junfeng, Wang Chuansheng, Wu Yuebo
 33: CN 31: 202311144161.3 32: 2023-09-06

54: MOBILE ROBOT REALIZING AUTOMATIC CONTROL

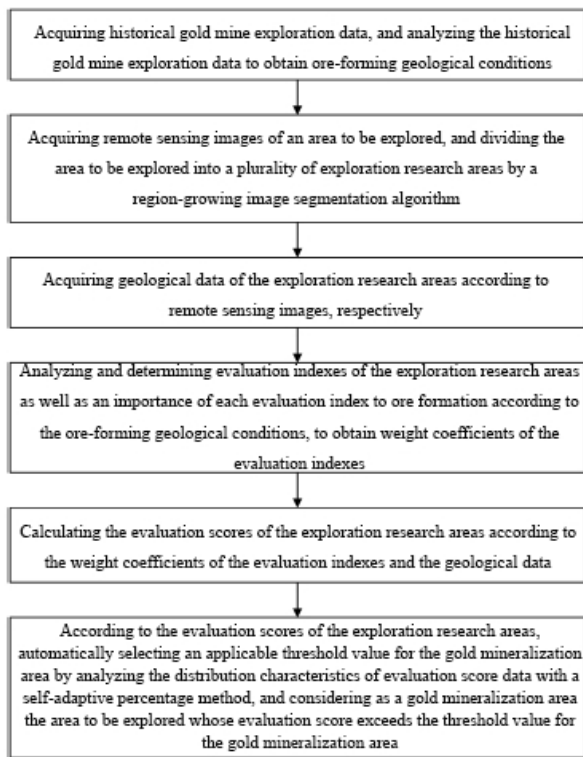
00: -

The present invention relates to the technical field of robots, and in particular to a mobile robot realizing automatic control. The mobile robot includes a body and a top cover installed on the top, longitudinal wheels and transverse wheels are respectively installed on the periphery of the body, a driving apparatus is disposed in the body, the longitudinal wheel and the transverse wheel are both all-directional wheels, the driving apparatus includes a motor I and a motor II, a steering assembly is disposed between the longitudinal wheel and the transverse wheel and on the periphery of the body, an air inlet channel is formed in the outer portion of the body, and an induction mechanism is installed in the body and at the bottom of the top cover. When a moving obstacle appears, the steering assembly between the longitudinal wheel and the transverse wheel outside the body first contacts the moving obstacle, and then the longitudinal wheel or the transverse wheel is controlled to move respectively to drive the body to rotate and steer. When the body encounters multiple obstacles, after the body temporarily stops, through the induction mechanism in the air inlet channel, the longitudinal wheel or the transverse wheel is controlled to move reversely, automatic control may be realized aiming at the moving obstacle and multiple obstacles, and the purpose of timely steering may be realized.



21: 2024/03043. 22: 2024/04/19. 43: 2024/12/24
 51: E21C
 71: CNNC GEOLOGIC PARTY NO.208
 72: WANG, Hui, LIU, Bo
 33: CN 31: 2024102395432 32: 2024-03-01
54: EFFICIENT AND SAFE GOLD MINE EXPLORATION METHOD AND SYSTEM
 00: -

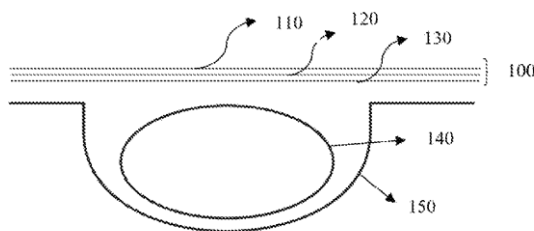
The present invention, falling within the technical field of gold mine exploration, discloses an efficient and safe gold mine exploration method and system. In the present invention, evaluation indexes are acquired based on the ore-forming rule obtained from historical gold mine data; weights of the evaluation indexes are obtained after assessment and scoring for the evaluation indexes, and a threshold value for the gold mineralization area is calculated according to the scores using the self-adaptive percentage method; and an area above the value is selected as the gold mineralization area. The method of the present invention is widely applicable to the identification and localization of mineralization areas within a large area coverage.



21: 2024/03064. 22: 2024/04/19. 43: 2024/10/30
 51: A61J; B32B; B65D
 71: BABU KOTIAN, Chandrahas
 72: BABU KOTIAN, Chandrahas
 33: IN 31: 202121042793 32: 2021-09-21
54: ALUMINUM FOIL LIDDING AND METHOD OF MAKING THE SAME

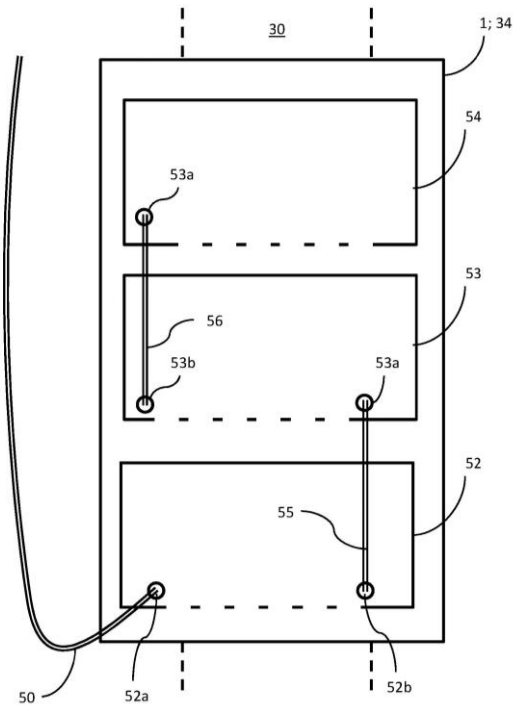
00: -
 The present invention relates to an aluminium lidding foil for blister pack comprising a) a layer of aluminium foil, b) a layer of adhesive, c) and a layer of thin

polymer film. The adhesive which is a solvent free adhesive is applied in between the aluminium foil layer and the thin polymer film layer. The outer surface of the aluminium foil is used for printing product details. The inner surface of the polymer film facing the aluminium foil can also be used for printing using any inks including anti-counterfeit ink. Advantageously, the polymer layer laminated to the inner surface of the aluminium foil will act as a barrier and prevent the direct contact of printing ink with the medicines / confectionery products packed in the blister pack. The thin polymer film eliminates possibility of chemical contamination into the product. Also, it eliminates the problem of residual solvents in present heat seal lacquer coated blister lidding foil.



21: 2024/03084. 22: 2024/04/19. 43: 2024/11/08
 51: B08B; B23D; E02B
 71: RotoTech Pte Ltd.
 72: HARTOG, Simon
 33: GB 31: 2113391.3 32: 2021-09-20
54: APPARATUS FOR SERVICING A STRUCTURE
 00: -

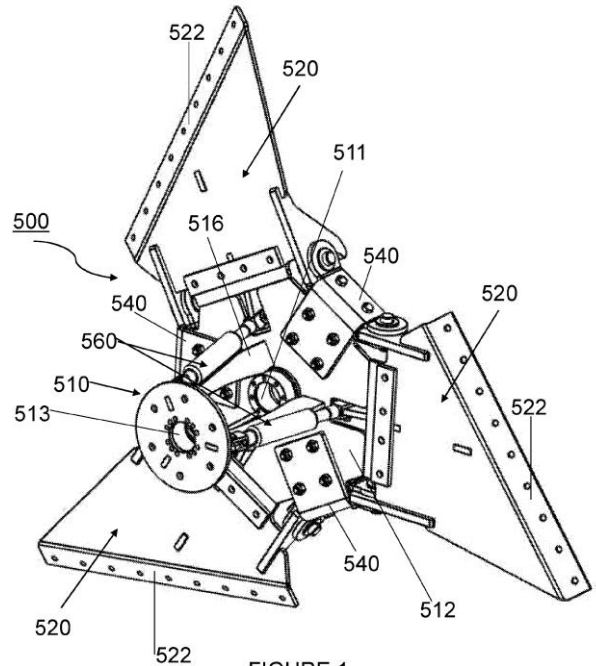
Apparatus for servicing a structure has a buoyancy arrangement comprising a series of buoyancy chambers and a gas supply connected to a first one of the chambers, the chambers being interconnected so that, as gas is supplied to the first one of the chambers and that chamber fills with gas, the gas then begins to escape into the next one of the chambers in the series until that chamber is full of gas, and so on until the series of chambers is full of gas. The supply of gas can be controlled so as to achieve the desired level of buoyancy. The gas may be supplied from an external gas supply, or from a cylinder carried by the apparatus.



21: 2024/03087. 22: 2024/04/19. 43: 2024/12/05
 51: F03D
 71: WINDSUN PTE LTD
 72: HOFFMANN, Rolf
 33: AU 31: 2021903387 32: 2021-10-22
54: DAMPING ASSEMBLY FOR WIND TURBINES
 00: -

Wind turbine hub assembly comprising: a plurality of radially arranged blade attachment members for attaching blades with a radially outer blade section with a leading edge and trailing edge wherein each blade extends outwardly from and about a central axis of rotation; a central hub assembly configured to rotate about the axis of rotation with the plurality of blade attachment members being radially arranged and hingedly connected relative to the central hub assembly by respective hinge arrangements to allow relative movement of the blade attachment members relative to the central hub assembly; one or more biasing structures operatively coupled with each blade attachment member wherein a first end of said each biasing structure is attached to the central hub assembly and a second end of the biasing structure is attached to a respective blade attachment member for applying a biasing force, during use, to extend the blade attachment member and an outer section of each blade attached to said blade attachment members to a neutral pitched position

and whereby the biasing force applied by the biasing structure resists movement of the blade attachment member and an outer section of each blade to a coned position during use.



21: 2024/03104. 22: 2024/04/22. 43: 2024/10/30
 51: A61K A61P
 71: PHARMATHEN S.A.
 72: KARAVAS, Evangelos, KOUTRIS, Efthymios, KALANTZI, Lida, CHAITIDOU, Sotiria, LEMONAKIS, Nikos, PAPADAKI, Anna, BRIEUDES, Vincent, KALEZI, Artemis, KATSENIS, Athanasios, KOTTI, Katerina
 33: GR 31: 20210100639 32: 2021-09-27
 33: GB 31: 2116138.5 32: 2021-11-10
54: PHARMACEUTICAL FORMULATION COMPRISING TACROLIMUS, METHOD FOR THE PREPARATION THEREOF AND USE
 00: -

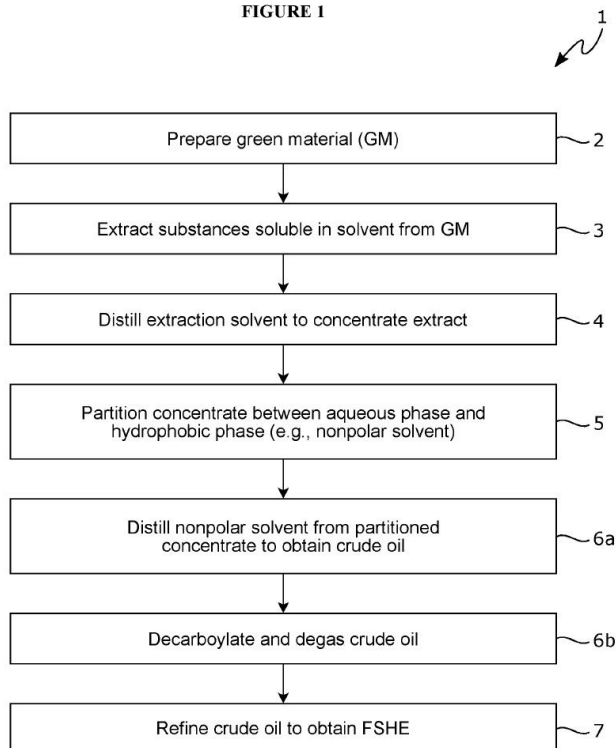
The present invention relates to a long acting injectable formulation based on combination of biodegradable poly(D,L-lactide-co-glycolide) microparticles comprising different PLGA polymers and Tacrolimus. It also relates to a process for the preparation of microparticles & use thereof.

21: 2024/03105. 22: 2024/04/22. 43: 2024/10/30
 51: A61K; B01D; A61P
 71: ECOFIBRE USA INC.

72: NANCE, Alex, RIS, Geoff D., JONES, Aaron, LASSLEY, Lora, RYAN, John
 33: US 31: 63/263,026 32: 2021-10-26
54: SYSTEMS AND METHODS FOR PRODUCING HEMP EXTRACTS AND COMPOSITIONS

00: -
 A method for producing full spectrum hemp extract comprising extracting substances from cannabis-based green material that are soluble in an extraction solvent and collecting an extract that includes the extraction solvent distilling at least a portion of the extraction solvent which results in a concentrate that is not distilled off, removing at least a portion of water soluble substances from the concentrate by partitioning the at least a portion of water soluble substances into an aqueous phase and a remainder of substances from the concentrate into a partitioned concentrate, heating the partitioned concentrate to evaporate the nonpolar solvent and to yield a crude oil, degassing the crude oil by heating it which results in a degassed crude oil, performing a first pass distillation at about 150°C and collecting a first residue, performing a second and third pass distillation at about 170°C and about 185°C, and collecting a distillate from same. Specific product formulations, apparatus and use of apparatus are discussed in relation to the method.

FIGURE 1

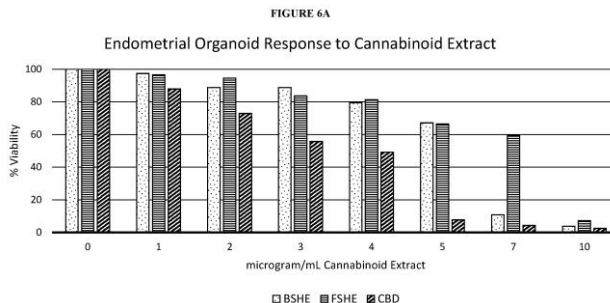


21: 2024/03106. 22: 2024/04/22. 43: 2024/10/30
 51: A61K; A61P

71: THE UNIVERSITY OF NEWCASTLE, ECOFIBRE USA INC.
 72: CAPANO, Alexandra M, TANWAR, Pradeep Singh, NANCE, Alex
 33: US 31: 63/263,020 32: 2021-10-26
 33: US 31: 63/263,022 32: 2021-10-26
 33: US 31: 63/263,026 32: 2021-10-26

54: METHODS OF TREATING ENDOMETRIOSIS AND OTHER NON-CANCER GYNECOLOGICAL
 00: -

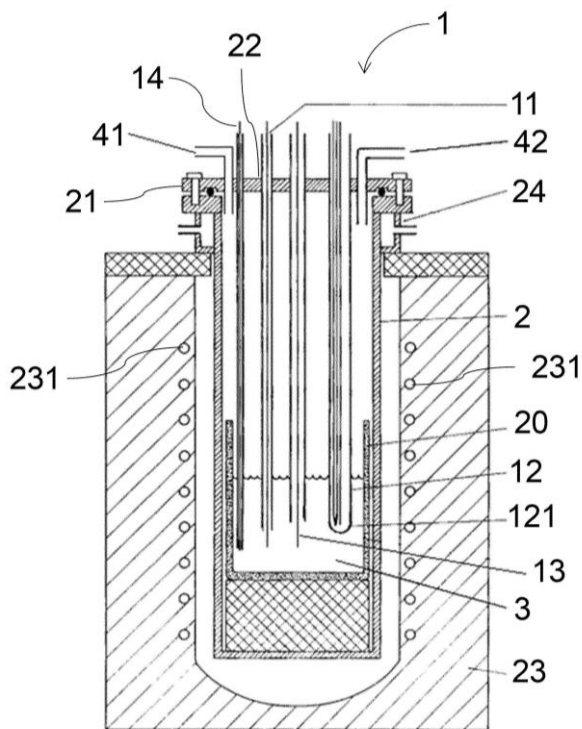
A method for treating a noncancerous gynecological disorder comprising: administering to a patient and effective amount of composition comprising a cannabis extract comprising cannabidiol (CBD), wherein the composition is preferably administered in a mucosal form, such as intravaginally.



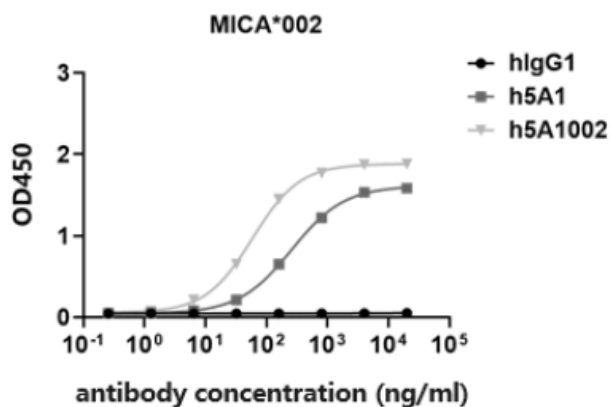
21: 2024/03108. 22: 2024/04/22. 43: 2024/11/08
 51: G21C; G21F

71: Hyme Energy ApS
 72: SILVIOLI, Luca, LØVSCHELL-JENSEN, Ask Emil, SEYEDI, Mahla, AMPHLETT, James, COOPER, Daniel John, BHATTACHARYA, Biyash
 33: EP(DK) 31: 21201498.9 32: 2021-10-07
54: A METHOD OF ADJUSTING OXOACIDITY
 00: -

The present invention relates to a method of adjusting the oxoacidity of a molten metal hydroxide salt, the method comprising the steps of: estimating a target concentration of at least one of H₂O, O²⁻, and OH⁻ in a molten salt of a metal hydroxide; providing an oxoacidity control component; and contacting the oxoacidity control component with the molten salt of a metal hydroxide to adjust the oxoacidity of the molten salt of a metal hydroxide. The method allows better utilisation of the available temperature range for a molten salt of a metal hydroxide by reducing the corrosive nature of the metal hydroxide.



00: -
 Provided are an antibody or antigen-binding fragment thereof, and application thereof. The antibody or the antigen-binding fragment thereof includes: heavy chain variable region CDR1, CDR2 and CDR3 sequences as set forth in SEQ ID NO: 1, SEQ ID NO: 2, and SEQ ID NO: 3 or as set forth in amino acid sequences having at least 80% identity to SEQ ID NO: 1, SEQ ID NO: 2, and SEQ ID NO: 3; and light chain variable region CDR1, CDR2 and CDR3 sequences as set forth in SEQ ID NO: 4, SEQ ID NO: 5, and SEQ ID NO: 6 or as set forth in amino acid sequences having at least 80% identity to SEQ ID NO: 4, SEQ ID NO: 5, and SEQ ID NO: 6. The antibody or the antigen-binding fragment thereof can bind to human and monkey MICA proteins at high affinity, thereby facilitating an effect of peripheral blood mononuclear cells (PBMC) for killing tumors.



21: 2024/03131. 22: 2024/04/23. 43: 2025/01/02
 51: G06K

71: Institute of Forest Resource Information Techniques CAF

72: Xian JIANG, Yan CHEN, Huaiqing ZHANG, Tingdong YANG, Jing ZHANG

54: A PANDA BEHAVIOR RECOGNITION SYSTEM INTEGRATING OCCLUSION FACTORS AND TOPOLOGICAL RELATIONS

00: -
 The invention relates to a panda behavior recognition system integrating occlusion factors and topological relations, comprising image acquisition module, processing module, extraction module, algorithm module and result output module. The input end of the image acquisition module is connected with the output end signal of the occlusion acquisition module. The panda behavior

21: 2024/03124. 22: 2024/04/23. 43: 2024/12/24
 51: A61K; C07K

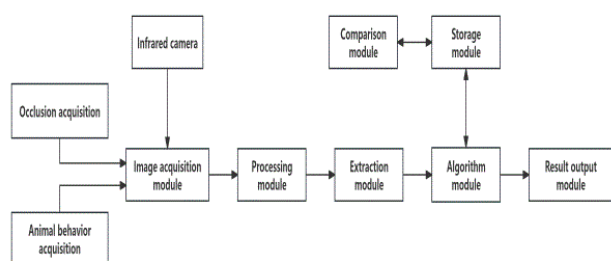
71: HEFEI TG IMMUNOPHARMA CO., LTD.

72: CAO, Guoshuai, CHENG, Ying, LI, Yangyang, WU, Yuwei

33: CN 31: 202310509684.7 32: 2023-05-06

54: MICA ANTIBODY WITH AFFINITY MATURATION AND USE THEREOF

recognition system integrating occlusion factors and topological relationships is based on the dynamic parameter adjustment mechanism in the algorithm module. The algorithm can adjust the threshold and suppression factor of edge detection in real time according to the local characteristics of the images, so that the algorithm can adapt to different image conditions and edge features, which improves the flexibility and accuracy of detection. And multi-scale edge analysis: it can analyze images on multiple scales, and the algorithm can capture edge structures of different sizes and shapes, so that the presence of occlusion factors in complex background can more accurately identify the contour of the target object.



21: 2024/03133. 22: 2024/04/23. 43: 2025/01/02
51: C04B

71: Taiyuan University of Technology
72: Xiaomin WANG, Wenyi LI, Yongzhen WANG, Yang MIAO

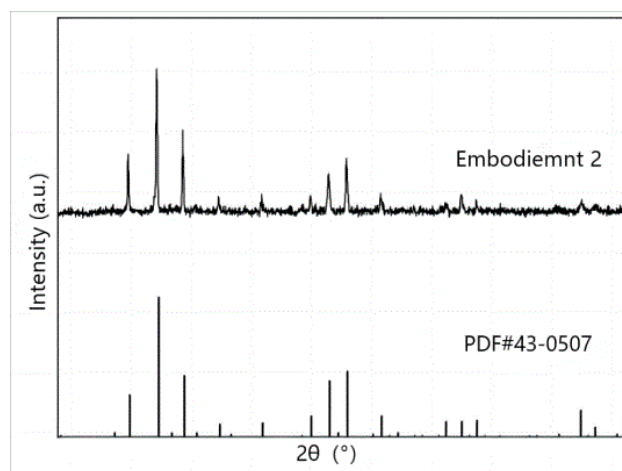
33: CN 31: 2023106028724 32: 2023-05-26

54: A HIGH-ENTROPY YIG FERRITE WITH HIGH SATURATION MAGNETIZATION AND ITS PREPARATION METHOD

00: -

The invention relates to a high-entropy YIG ferrite with high saturation magnetization and its preparation method, comprising the following steps: S1, different oxide powders are weighted in a ball mill, after the ball mill, the slurry is placed in a drying oven to obtain the uniform powder; S2, the powder dried in S1 is sieved and pre-sintered in a muffle furnace; S3, the powder pre-sintered in S2 is placed in a ball mill for secondary ball milling and drying treatment; S4, the powder dried in S3 is granulated and pressed to obtain ferrite green body; S5, the ferrite green body obtained by S4 is sintered in a muffle furnace to obtain the high-entropy YIG ferrite. The invention adopts the high entropy YIG ferrite with high saturation magnetization and its

preparation method, and combines the high entropy with the garnet ferrite structure to make the ferrite material have more excellent properties.



21: 2024/03168. 22: 2024/04/24. 43: 2024/12/05
51: B01J

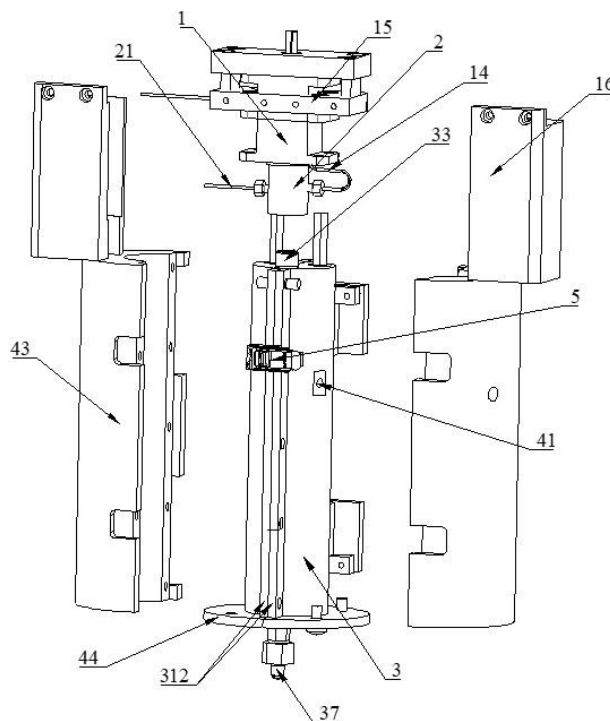
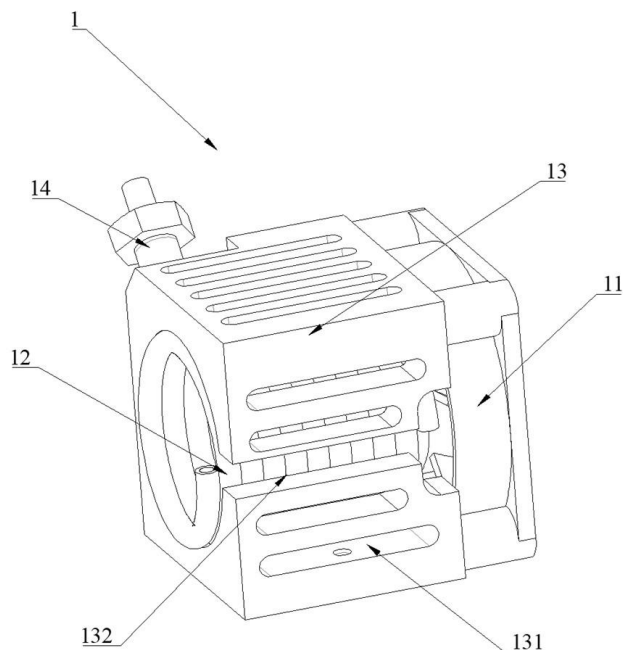
71: OUSHISHENG (BEIJING) TECHNOLOGY CO., LTD.

72: LU, Zhenyu, YANG, Guoxin, WANG, Daming
33: CN 31: 2023104457104 32: 2023-04-24

54: SEPARATION DEVICE OF MICRO-REACTION APPARATUS

00: -

A separation device of a micro-reaction apparatus is provided, including a first separation component having a body. A coil pipe is mounted in the body and is configured to guide reaction materials. The first separation component includes a heat exchange part connected to the body and exchanges heat for reaction materials in the coil pipe. A second separation component includes a heat exchanger and a detector. The heat exchanger exchanges heat for the reaction materials and is provided with an accommodation chamber penetrating the heat exchanger. A first gap is formed between the detector and the accommodation chamber. The second separation component includes a drainage pipe whose first end is communicated with an outlet of the coil pipe, and a second end extends into the first gap deviating from an axial direction of the heat exchanger. The drainage pipe is configured to guide the reaction materials to the first gap.



21: 2024/03169. 22: 2024/04/24. 43: 2024/12/05
51: B01J
71: OUSHISHENG (BEIJING) TECHNOLOGY CO., LTD.

72: LU, Zhenyu, YANG, Guoxin, WANG, Daming
33: CN 31: 2023104470842 32: 2023-04-24

54: MICRO-REACTION EQUIPMENT

00: -
Micro-reaction equipment is provided having a preheating device. A coil pipe is arranged in the preheating device and is configured to guide reaction solution, and to heat the reaction solution in the coil pipe to a preset temperature. A mixing device, connected to the preheating device has a mixing chamber arranged therein. The coil pipe guides the reaction solution into the mixing chamber, so that the reaction solution is mixed with reaction gas to form a reaction material. The heating device includes a reaction pipe with its inlet being communicated with the mixing chamber. The heating device is configured for a reaction between the reaction material and a catalyst in the reaction pipe at a preset temperature. The technical solutions of the present disclosure can increase a yield rate and a reaction efficiency during the reaction process of the multiphase reactant, and reduce a by-product rate.

21: 2024/03172. 22: 2024/04/24. 43: 2024/10/31
51: B25F B25B B25G

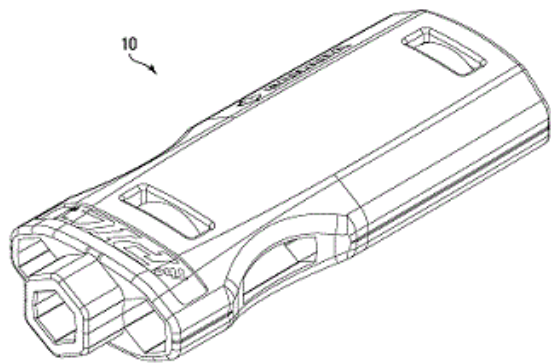
71: PICQUIC TOOL COMPANY INC.

72: ESFAHANIAN, Ehsan, MCKENZIE, Paul Donald

33: US 31: 17/487,402 32: 2021-09-28

54: INTERCHANGEABLE TOOL BIT HOLDER

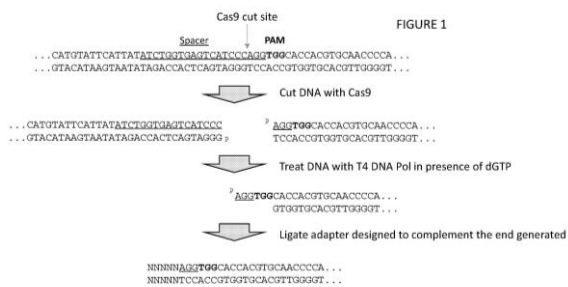
00: -
An apparatus for holding interchangeable tool bits includes a body including inner walls defining first and second bit holding spaces configured to receive first and second interchangeable tool bits, a resiliently deformable bit holder coupled to the body and separating the first and second bit holding spaces, the first bit holding space adjacent to and encircled by an inner surface region of the resiliently deformable bit holder and the second bit holding space adjacent to an outer surface region of the resiliently deformable bit holder, such that the inner surface region and the outer surface region of the resiliently deformable bit holder are configured to deform against the first and second interchangeable tool bits 10 respectively, to hold the first and second interchangeable tool bits when the first and second interchangeable tool bits are in the first and second bit holding spaces. Other apparatuses and systems are disclosed.



21: 2024/03188. 22: 2024/04/24. 43: 2024/11/08
 51: C12Q
 71: Caribou Biosciences, Inc.
 72: GRADIA, Scott David
 33: US 31: 63/286,922 32: 2021-12-07

54: A METHOD OF CAPTURING CRISPR ENDONUCLEASE CLEAVAGE PRODUCTS

00: -
 The invention is a method of capturing DNA ends formed by endonuclease cleavage, such as CRISPR endonuclease cleavage, for downstream analysis including amplification and sequencing.

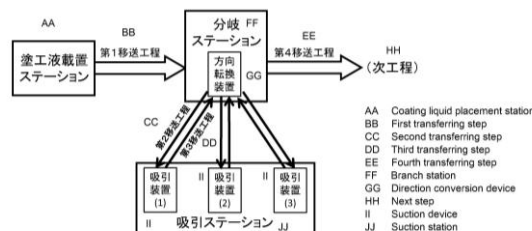


21: 2024/03192. 22: 2024/04/24. 43: 2024/10/31
 51: B01J; B05C; B05D
 71: Cataler Corporation
 72: OKADA, Hiroki, OGA, Koji, MIZOGUCHI, Kazuhiro, SUZUKI, Hitomi, KAWARASAKI, Yuji
 33: JP 31: 2021-189145 32: 2021-11-22

54: METHOD FOR MANUFACTURING EXHAUST GAS PURIFICATION CATALYST DEVICE

00: -
 Provided is a method for manufacturing an exhaust gas purification catalyst device, the method comprising: (A) placing a catalyst coating layer-forming coating liquid on the upper end surface of a honeycomb substrate having a plurality of cell flow paths partitioned by cell walls in a coating liquid placing station; (B) transferring the substrate, on

which the coating liquid has been placed, from the coating liquid placing station to a suction station; and (C) suctioning the substrate, on which the coating liquid has been placed, from the lower end surface in the suction station to coat the cell walls of the substrate with the coating liquid, wherein the suction station comprises two or more suction devices, and step (B) comprises (B1) transferring the substrate, on which the coating liquid has been placed, from the coating liquid placing station to a branch station, and (B2) transferring the substrate, on which the coating liquid has been placed, to an empty suction device among the suction devices of the branch station.

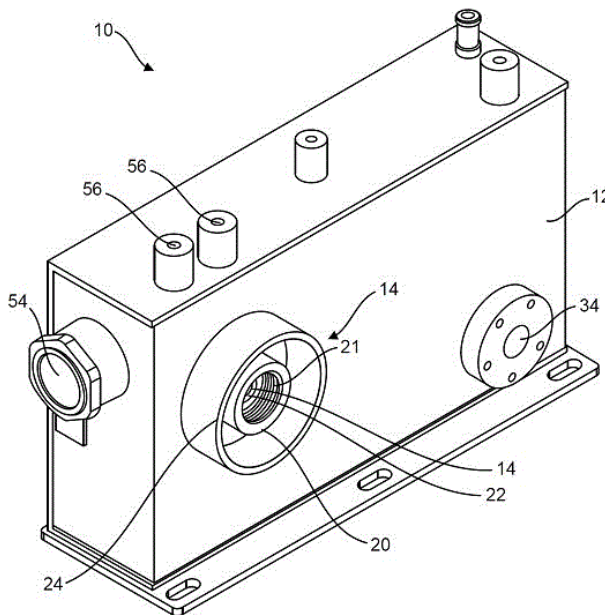


21: 2024/03201. 22: 2024/04/25. 43: 2025/01/02
 51: C30B

54: METHOD FOR GROWING YAG LASER CRYSTALS BY USING LARGE-INTERFACE SEED CRYSTALS IN PLANAR INTERFACE

00: -
 Disclosed is a method for growing yttrium aluminum garnet (YAG) laser crystals by using large-interface seed crystals in a planar interface. According to the method, the large-interface seed crystals with specific shapes are used for growing the YAG laser crystals by using a planar interface Czochralski method, and equal diameter growth is directly performed after pre-stretching, such that the operation difficulty is greatly reduced, and a growth cycle of the crystals is shortened. Moreover, in the present invention, the YAG laser crystals are grown by using the planar interface Czochralski method, such that the obtained crystals have a high quality, no cores and lateral centers, and a high material

selection rate is realized. The method provided by the present invention greatly shortens the growth cycle and can reduce the volatilization amount of an iridium crucible or a molybdenum crucible, such that the preparation cost is reduced.



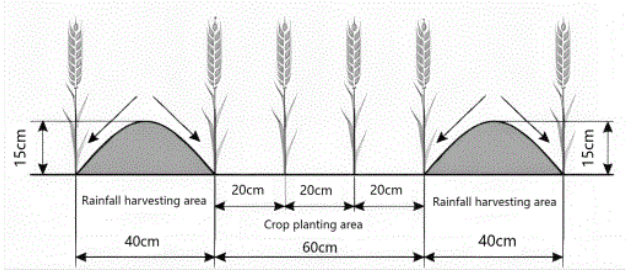
21: 2024/03203. 22: 2024/04/25. 43: 2024/10/31
 51: F01P
 71: BSSC RADIATORS (PTY) LTD
 72: BENNETT, Dillan, Martin
 33: ZA 31: 2023/04788 32: 2023-04-26

54: COOLANT RESERVOIR AND COOLANT RESERVOIR FILLING SYSTEM

00: -
 The invention provides a coolant reservoir. The coolant reservoir includes a fluid container; a filling opening provided with a first threaded inner ring extending perpendicularly away from the container from around a hole defined in the container and a second co-axial outer ring; and a filling cap which includes an inner pin configured to fit inside inner ring of the filling opening and seal the hole, when fully closed, a first cap ring to fit axially over the first inner ring of the opening and a second cap ring configured to fit over the second outer ring of the opening. The pin extends longer than any of the rings and the cap being provided with a matching thread to enable the cap to threadedly engage the opening to close and seal the hole and the thread includes a channel across the thread to allow fluid to escape when the seal is opened but before the thread is disengaged.

21: 2024/03240. 22: 2024/04/26. 43: 2024/12/05
 51: A01B
 71: Shanxi Agricultural University
 72: Yueyue XU, Xuefang HUANG, Nana LI, Gaimei LIANG, Cong ZHAO, Min ZHAO
54: AN ANALYSIS METHOD FOR THE EFFECT OF SUPPLEMENTARY IRRIGATION ON THE MICROBIAL STATUS OF WHEAT FIELD UNDER RIDGE-FURROW MULCHING SYSTEM

00: -
 The present invention discloses an analysis method for the effect of supplementary irrigation on the microbial status of wheat field under ridge-furrow mulching system, which belongs to the technical field of crops. The method comprises sample collection, sample determination, statistical data results, and data analysis. The present invention provides an analysis method for the effect of supplementary irrigation on the microbial status of wheat field under ridge-furrow mulching system, in which the water condition of ridge-furrow mulching system supplementary irrigation is better than that of traditional flat planting, which is conducive to improving the ecological environment of rhizosphere soil, promoting microbial activity, increasing microbial biomass, and fast turnover of organic carbon, thus increasing soil microbial entropy and providing scientific basis for evaluating ridge-furrow mulching system supplementary irrigation technology.



21: 2024/03241. 22: 2024/04/26. 43: 2024/11/07
51: E21D

71: Sandvik Mining and Construction Tools AB,
Sandvik Mining and Construction Australia
(Production/Supply) Pty Ltd

72: RATAJ, Mieczyslaw, WEAVER, Steven,
DARLINGTON, Bradley, YOUNG, Peter, ROACH,
Warren

33: EP(SE) 31: 18190386.5 32: 2018-08-23

54: ROCK BOLT WITH INFORMATION DISPLAY REGION

00: -

A rock bolt for installation within a bore formed in rock strata having an elongate shaft with the leading end for installation into the bore and a trailing end projecting from an open end of the bore. A locking nut is threadably attached to the trailing end and is adapted to display product information and the like at a display face. The display face is recessed axially into the nut to provide protection against damage to the display face that may otherwise render the information unreadable.

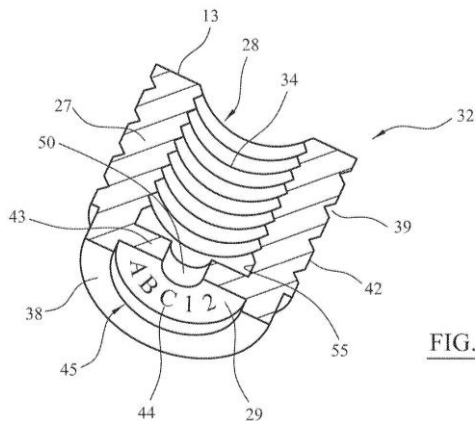


FIG. 2

21: 2024/03244. 22: 2024/04/26. 43: 2024/11/07
51: F16K

71: LINCOR HOLDINGS (PTY) LTD

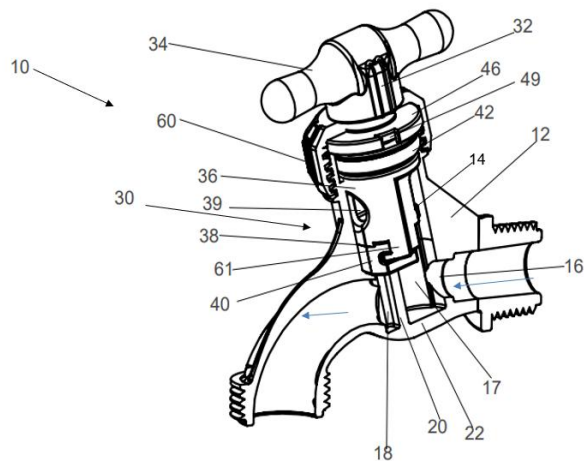
72: TURK, Marc Timothy

33: ZA 31: 2023/11439 32: 2023-12-13

54: A VALVE MECHANISM FOR A TAP

00: -

The invention provides a tap and valve mechanism for the tap, the tap comprising a tap body, defining a valve housing having an inlet port and an outlet port, with a flow passage extending therebetween; an outlet wall, the top of which defines a valve seat, extends within the valve housing, about the outlet port; the valve mechanism comprises a cartridge, with an upper spline configured to receive a tap handle and a cartridge body extending below the spline and shaped and dimensioned to rotatably fit within the valve housing, the cartridge body terminates in a base; a washer, shaped to seal the valve seat, is located below the base; the cartridge is configured to rotate within the valve housing between an open position, in which the washer is rotated off the valve seat, and a closed position, in which the washer is counter-rotated onto the valve seat.



21: 2024/03246. 22: 2024/04/26. 43: 2024/12/13
51: G06F

71: Wenzhou Kangning Hospital Company Limited
72: Yin Xiaoli, Pan Lele, Yin Hang, Chen Yu, Meng Lei, Ao Li, Ye Xiaodan, He He, Xu Bo, Zheng Hongchao, Chen Yining, Zhang Yu, Wang Wenxia, Gong Benhong, Ye Minjie

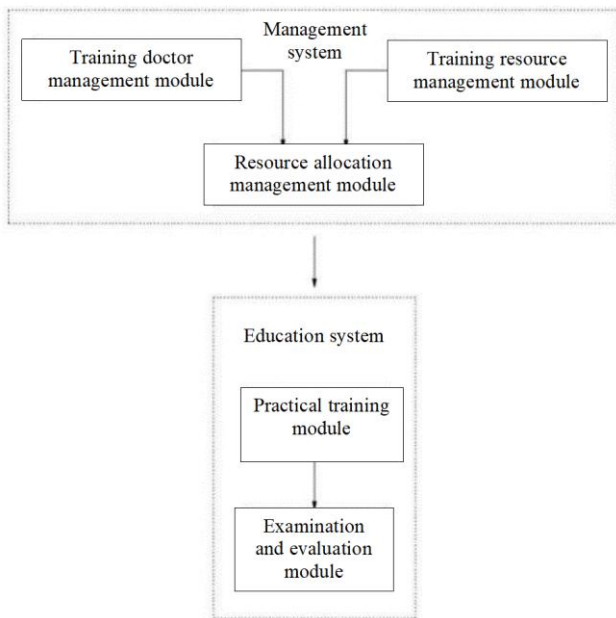
33: CN 31: 202410220729.3 32: 2024-02-28

54: MANAGEMENT SYSTEM FOR STANDARDIZATION OF CLINICAL MEDICAL TREATMENT TRAINING

00: -

The present invention provides the following technical solution. A management system for standardization of clinical medical treatment training includes a training doctor management module, a

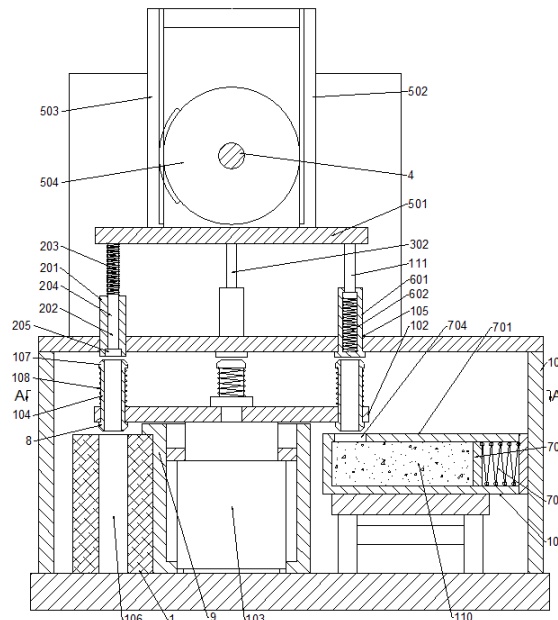
training resource management module and a resource allocation management module, the training doctor management module being configured to manage doctors in need of training, the training resource management module being configured to manage standardized training patients for doctor training, and the resource allocation management module being configured to automatically allocate the standardized training patients for doctor training in a resource database module to the doctors in need of training according to categories.



21: 2024/03247. 22: 2024/04/26. 43: 2024/12/13
 51: A01G
 71: Gansu academy of agri-engineering technology
 72: Luan Qianqian, Yang Xianzhong, Lin Yi, Yan Zongshan, Yang Yirong, Sun Haochen, Wang Yucai, Wang Jun
 33: CN 31: 202311098150.6 32: 2023-08-29
54: DEVICE FOR PLANTING EDIBLE FUNGI
 00: -

The present invention provides a device for planting edible fungi, falling within the technical field of agricultural machinery. The device for planting edible fungi includes a support, and further includes a seed fetching mechanism, a first feeding mechanism and a first pressure bar. The seed fetching mechanism includes a rotary table, a power plant and a plurality of sliding cylinders; an output end of the power plant is connected to the rotary table; a plurality of stations

are arranged at the rotary table, and a sliding hole is disposed on each of the stations; one of the sliding cylinders is arranged in each of the sliding holes; a first limiting retaining ring is arranged at a top end of each of the sliding cylinders; a first spring is arranged at an outer distance of each of the sliding cylinders, and the first springs are used for applying upward elastic force to the sliding cylinders. A strain pile is arranged in the first feeding mechanism, and the sliding cylinders on the rotary table can be inserted into the strain pile in the first feeding mechanism. The first pressure bar is used for driving a sliding cylinder directly above the first feeding mechanism to move in a direction of the first feeding mechanism. The device for planting edible fungi of the present invention can continuously perform inoculation on a plurality of fungus bags and accurately put strains into a central hole of each of the fungus bags, thereby improving inoculation quality of the strains in the fungus bags.

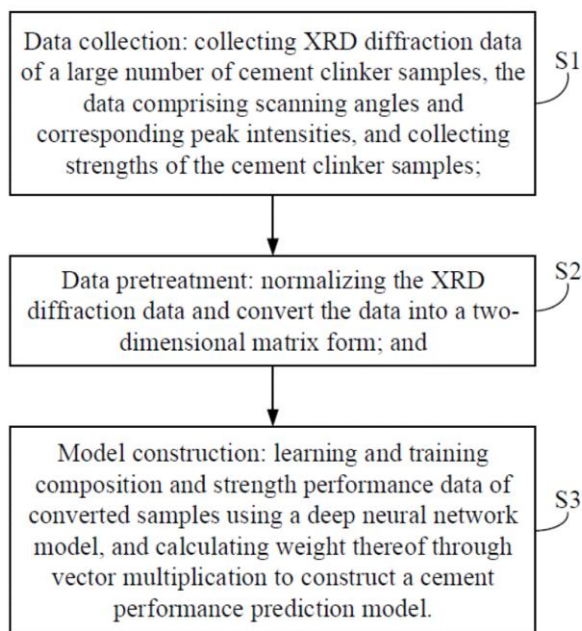


21: 2024/03250. 22: 2024/04/26. 43: 2024/11/07
 51: G06N
 71: China Building Materials Academy Co., Ltd., China National Building Material Group Co., Ltd.
 72: Xiao ZHI, Xuehong REN, Fuli CAO, Wensheng ZHANG, Jiayuan YE, Hongtao ZHANG, Wenjuan CUI, Shibo DU, Zhongcheng MA
 33: CN 31: 202311441180.2 32: 2023-11-01
54: METHOD FOR CONSTRUCTING DEEP LEARNING BASED PREDICTION MODEL OF

CEMENT CLINKER PERFORMANCE AND USE THEREOF

00: -

A method for constructing a deep learning based prediction model of cement clinker performance, including: S1: data collection: collecting XRD diffraction data of a large number of cement clinker samples, the data including scanning angles and corresponding peak intensities, and collecting strengths of the cement clinker samples; S2: data pretreatment: normalizing the XRD diffraction data and convert the data into a two-dimensional matrix form; and S3: model construction: learning and training composition and strength performance data of converted samples using a deep neural network model, and calculating weight of features through vector multiplication to construct a cement performance prediction model.



21: 2024/03271. 22: 2024/04/26. 43: 2024/11/07
51: A61K

71: Givaudan SA

72: LAMBERT, Carole, AURIOL, Daniel, DE TOLLENAERE, Morgane, SCANDOLERA, Amandine, REYNAUD, Romain

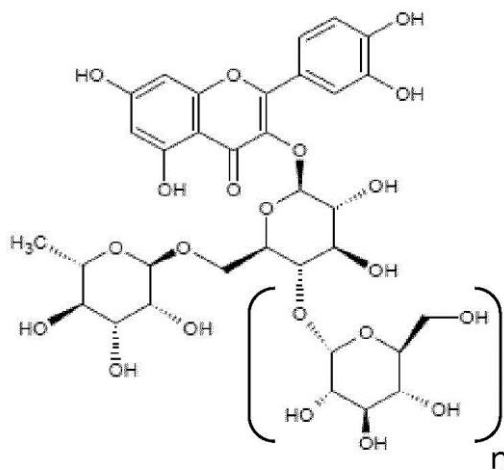
33: GB 31: 2113755.9 32: 2021-09-27

54: POLYGLYCOSYLATED RUTIN DERIVATIVES FOR REDUCING FACIAL SKIN REACTIONS

00: -

A method of reducing the deleterious effect on the skin exposed to prolonged face mask wearing,

comprising the application to the skin potentially affected, prior to mask wearing, of a preparation comprising a polyglycosylated rutin having formula (I), in which over 50% molarity of the glycosylated rutin has n greater than 2. The known effects of prolonged mask wearing (red spots, vascularisation, hyperpigmentation) are considerably reduced and even completely prevented.



(I)

21: 2024/03273. 22: 2024/04/26. 43: 2024/11/07
51: A61K; A61P; C07K; C12N

71: Akeso Huike (Shanghai) Co. Ltd.

72: ZHANG, Peng, LI, Baiyong, XIA, Yu, WANG, Zhongmin

33: CN 31: 202111149114.9 32: 2021-09-29

54: ANTI-LAG3 BISPECIFIC ANTIBODY, PHARMACEUTICAL COMPOSITION AND USE

00: -

Provided are an anti-LAG3 antibody bispecific antibody, a pharmaceutical composition thereof and a use thereof, which belong to the field of biomedicine. Specifically, the bispecific antibody comprises a first protein functional domain and a second protein functional domain, wherein the first protein functional domain targets LAG3, and the second protein functional domain targets a target that is different from LAG3, the first protein functional domain is an anti-LAG3 antibody or an antigen-binding fragment thereof and contains a heavy chain variable region and a light chain variable region, the heavy chain variable region contains HCDR1-HCDR3 the amino acid sequences of which are respectively represented by SEQ ID NOs: 5-7. In

addition, the light chain variable region contains LCDR1-LCDR3 the amino acid sequences of which are respectively represented by SEQ ID NOs: 8-10. The bispecific antibody has excellent affinity and specificity, and has good application prospects.

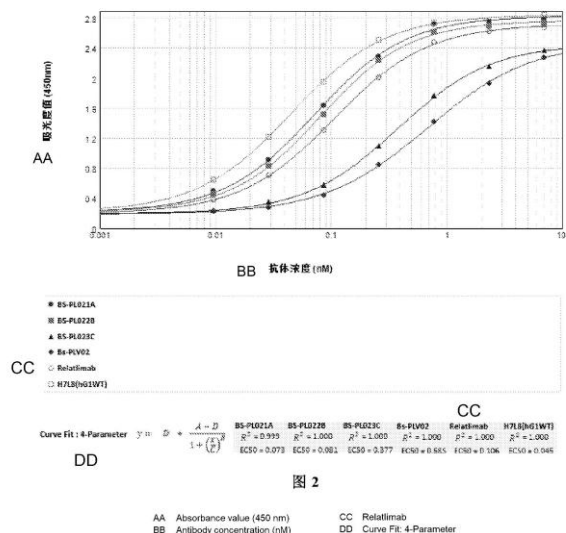


图 2

AA: Absorbance value (450 nm) CC: Relatimab
 BB: Antibody concentration (nM) DD: Curve Fit: 4-Parameter

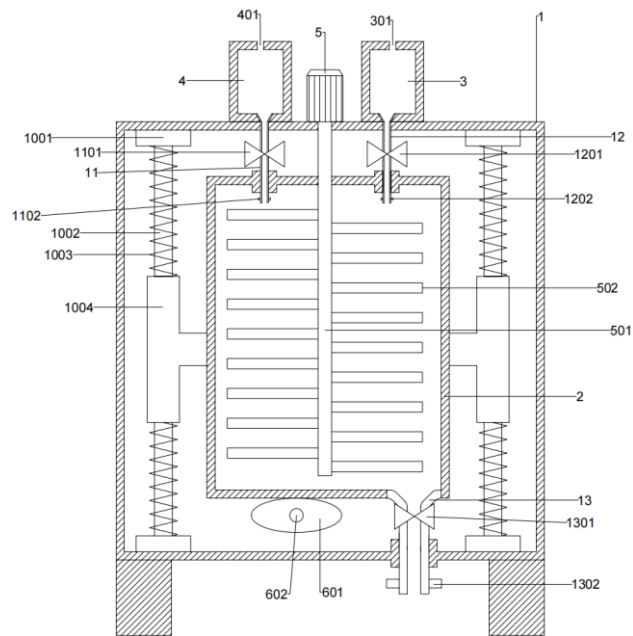
21: 2024/03291. 22: 2024/04/26. 43: 2024/11/07
 51: B01F

71: Hebei Chemical and Pharmaceutical College
 72: He Xiaoyun

54: DRUG LIQUID MIXING DEVICE FOR SEWAGE TREATMENT

00: -

The invention provides a drug liquid mixing device for sewage treatment, which comprises a housing, a storage device, a mixing device, a vibrating device, a guiding rail component, a power supply and a control system; the mixing device, the guiding rail component, the power supply and the control system are installed inside the housing, the mixing device is in contact with the vibrating device, and the mixing device is in contact with the guiding rail component; the mixing device vibrates up and down through the vibrating device to improve the mixing effect of the drug liquid; the drug liquid mixing device is compact in structure, reasonable in design and convenient to operate, and can effectively improve the drug liquid mixing efficiency, strengthen the impact on the deposited medicament, accelerate its dissolution and effectively improve the mixing efficiency.



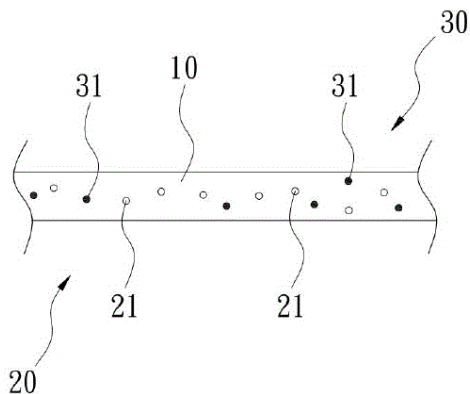
21: 2024/03307. 22: 2024/04/29. 43: 2024/11/11
 51: G02B; G02F

71: Season Agricultural Technology Co., Ltd.
 72: CHANG, Lin-Hung

54: VISIBLE LIGHT ENHANCEMENT FILM

00: -

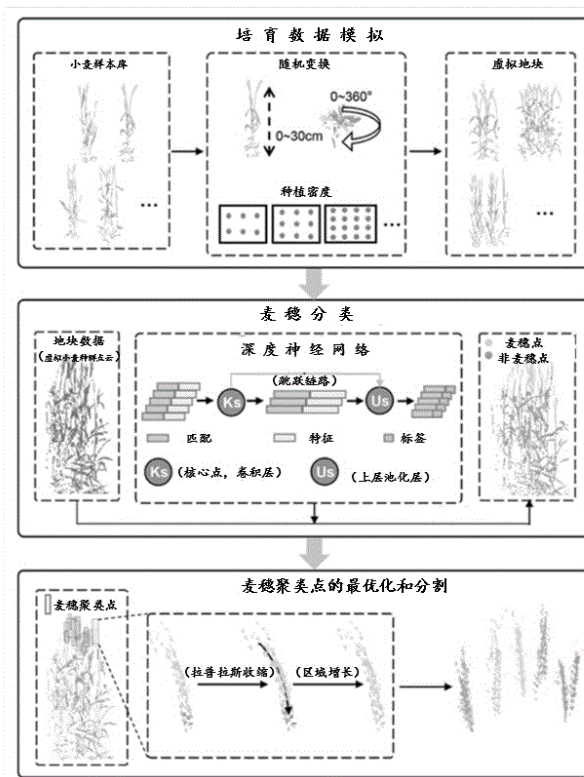
A visible light enhancement film (100) includes a film body (10), a graphene unit (20) mounted in the film body, and a photocatalyst unit (30) mounted in the film body. The film body is transparent, film-shaped, and flexible. The graphene unit includes multiple graphene elements (21). The graphene elements are distributed evenly in the film body. The photocatalyst unit includes multiple titanium dioxide elements (31). The titanium dioxide elements are distributed evenly in the film body. Thus, the visible light enhancement film converts part of invisible light into visible light, to increase the power generation efficiency and the photosynthesis effect.



21: 2024/03315. 22: 2024/04/29. 43: 2024/12/13
 51: G06T
 71: Inst Of Botany Chinese Academy Of Sciences
 72: Su Yanjun, Liu Zhonghua, Pang Shuxin, Hu Tianyu, Liu Xiaoqiang
 33: CN 31: 2023100505452 32: 2023-02-01
54: A METHOD AND SYSTEM TO SEGMENT THE POINT CLOUDS OF WHEAT SPIKE BASED ON DEEP LEARNING AND GEOMETRIC CORRECTION

00: -
 The present invention discloses a method and system for segmenting the point clouds of wheat based on deep learning and geometric correction, extract point clouds of a single wheat plant with classification labels from the group point cloud of wheat and use the labeled point clouds of a single wheat plant to construct a wheat sample library; Select wheat sample point clouds from the wheat sample library and use random transformation methods to plant wheat sample point clouds onto virtual plots, obtaining population point clouds of virtual wheat; Extracting labeled training point cloud data from the population point clouds of virtual wheat, inputting it into a deep neural network for training and validation, and obtaining a trained deep learning model; Using the trained deep learning model to segment real wheat point clouds and obtain wheat spike labels; Using spatial clustering algorithms, single wheat spike plants are extracted from real point clouds of wheat based on wheat spike tags; Then, the main axis of each wheat spike is extracted using the Laplacian-based contraction algorithm; Region growing along the main axis of the wheat spike is performed to obtain the complete point cloud of the wheat spike; It aims to address the limited performance improvement provided by

existing DNN models and the persistent issue of implicitly learning the geometric features of point clouds, which leads to instability in DNN learning.

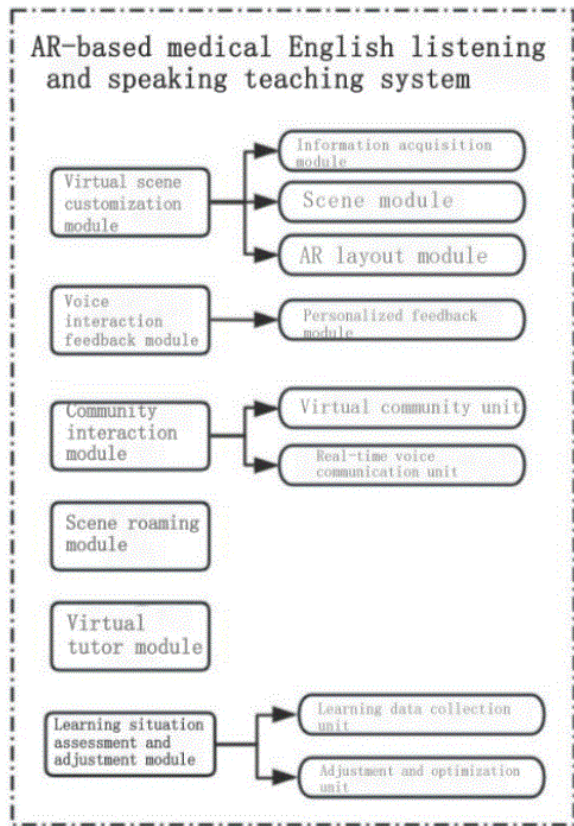


21: 2024/03338. 22: 2024/04/29. 43: 2024/11/29
 51: B30B; B65F
 71: DLR GBR
 72: LUKAS, Christian Joseph, DAVENPORT, Daniel Christoph, VON SCHUTTENBACH PYZIAK, Andrzej
 33: EP 31: 21206532.0 32: 2021-11-04
54: DEVICE FOR COLLECTING AND COMPACTING WASTE

00: -
 The present invention relates to a device for collecting and compacting waste, in particular a waste container. The present invention furthermore relates to a process for collecting and compacting waste.

21: 2024/03348. 22: 2024/04/30. 43: 2024/12/18
 51: G06F
 71: Guangzhou Medical University
 72: Zhang Mofei, Gao Zhiyan
54: AR-BASED MEDICAL ENGLISH LISTENING AND SPEAKING TEACHING SYSTEM AND METHOD

00: -
 The present invention discloses an AR-based medical English listening and speaking teaching system and method, and relates to the technical field of English learning. The present invention enables students to receive targeted tutoring services through a virtual personalized tutor and improves students' learning effects. Through personalized customization of virtual scenes and scene roaming functions, the students can roam freely in different contexts and choose scenes of interest for listening and speaking practice, which is no longer restricted by geographical locations and actual environments, and is more practically applicable. A voice interaction community supports the students to communicate with other learners and share experience in real time in an AR environment to improve sociability and learning enthusiasm. Through in-depth understanding of the language level, interest and subject area of each student, personalized customization of virtual scenes may be achieved, allowing the students to learn in virtual scenes close to actual needs, improving the attractiveness and pertinence of learning.

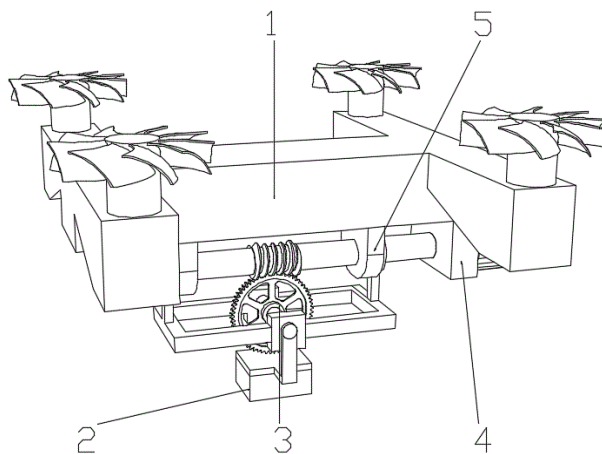


21: 2024/03354. 22: 2024/04/30. 43: 2024/12/13
 51: G06F

71: Henan University of Urban Construction
 72: Kuang Xu, Zhang Qiang, Lyu Shiqi, Jia Rubing, Zhao Zheng, Zhu Shuqiang, Zhu Hengzhen

54: REMOTE SENSING DEVICE APPLIED TO IDENTIFYING ANCIENT TREES

00: -
 The present invention provides a remote sensing device applied to identifying ancient trees, including an unmanned aerial vehicle main body and a remote sensing module. An angle adjusting mechanism for adjusting an angle of the remote sensing module is arranged at a lower end of the unmanned aerial vehicle main body, a fixing plate is fixedly connected to the lower end of the unmanned aerial vehicle main body, a first connecting block is fixedly connected to the lower end of the unmanned aerial vehicle main body, and a second connecting block is fixedly connected to the lower end of the unmanned aerial vehicle main body; and a first electric motor is arranged at one end of a side face of the fixing plate, and a second electric motor is arranged at one end of a side face of the second connecting block. According to the present invention, an angle of the remote sensing module mounted on the unmanned aerial vehicle can be adjusted by the angle adjusting mechanism, and when a signal transmission is unstable, an angle of the remote sensing device can be changed in time, thereby changing a stability of a transmitted signal, and the image quality is better and the ancient trees can be better searched for.



21: 2024/03361. 22: 2024/04/30. 43: 2024/11/29
 51: A01C; A01G

71: VALMONT INDUSTRIES, INC.
 72: DIXON, Joshua M., KASTL, John
 33: US 31: 63/252,703 32: 2021-10-06
54: SYSTEM, METHOD AND APPARATUS FOR FILTER AND OVERHANG PLUGGING DETECTION
 00: -
 A system, method and apparatus for monitoring and providing maintenance updates for irrigation filters. According to a first preferred embodiment, the present invention includes one or more load cells at one or more of the mounting feet of an in-line filter to actively measure the increased weight of the filter during irrigation operations. According to a further preferred embodiment, the weight sensor of the present invention may transmit its data to a processing unit, where the weight is compared to one or more stored weight values. Preferably, when the detected weight exceeds a threshold level, the system may trigger notices and/or remedial actions.

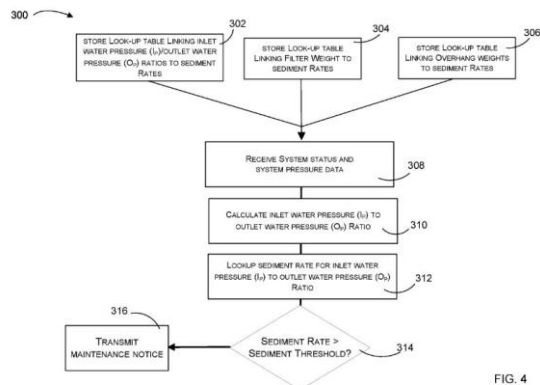


FIG. 4

description of the audio scene comprising spatially extended sound source data on the spatially extended sound source and modification data on a potentially modifying object (7010), and for receiving a listener data; a sector identification processor (4000) for identifying a limited modified spatial sector for the spatially extended sound source (7000) within a rendering range for the listener, the rendering range for the listener being larger than the limited modified spatial sector, based on the spatially extended sound source data and the listener data and the modification data; a target data calculator (5000) for calculating target rendering data from the one or more rendering data items belonging to the modified limited spatial sector; and an audio processor (300, 3000) for processing an audio signal representing the spatially extended sound source using the target rendering data.

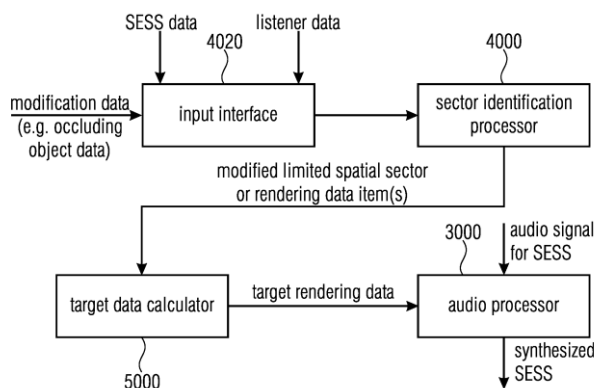
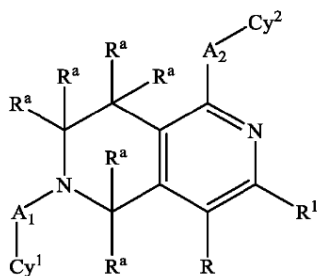


Fig. 2a
(SECOND ASPECT)

21: 2024/03364. 22: 2024/04/30. 43: 2024/11/29
 51: H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 72: WU, Yun-Han, HERRE, Jürgen, KOROTIAEV, Mikhail, GEIER, Matthias, SCHWÄR, Simon, ADAMI, Alexander
 33: EP 31: 21207294.6 32: 2021-11-09
54: APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING MODIFICATION DATA ON A POTENTIALLY MODIFYING OBJECT
 00: -
 An apparatus for synthesizing a spatially extended sound source, comprises: an input interface (4020) for receiving a description of an audio scene, the

21: 2024/03388. 22: 2024/04/30. 43: 2024/11/29
 51: A61K; C07D; A61P
 71: VRISE THERAPEUTICS, INC.
 72: BHAVAR, Prashant Kashinath, KSHIRSAGAR, Anuj Ramesh, SARMA, Partha Pratim, GANDHAM, Adilakshmi, SURAMPUDI, Uday Kumar
 33: US 31: 63/308,727 32: 2022-02-10
 33: IN 31: 202141046053 32: 2021-10-08
54: SMALL MOLECULES FOR TREATMENT OF CANCER
 00: -
 The present application relates to novel compounds described herein, the method of preparing the same, its pharmaceutical composition and method for use thereof. In particular the invention relates to compounds of formula (A) or their pharmaceutically acceptable salts thereof as inhibitors of KRAS

protein and useful in treatment, prevention and/or amelioration of diseases or disorders associated with KRAS especially the Cancer.



(A)

Disclosed in the present invention is high-strength and high-hardness reinforced wear-resistant steel, comprising Fe and inevitable impurities, and further comprising the following chemical elements in percentage by mass: C: 0.22-0.33%; Si: 0.10-1.00%; Mn: 0.50-1.80%; Cr: 0.80-2.30%; Al: 0.010-0.10%; RE: 0.01-0.10%; W: 0.01-1.0%; and at least one of MO: 0.01-0.80%, Ni: 0.01-1.00%, Nb: 0.005-0.080%, V: 0.01-0.20%, and Ti: 0.001-0.50%. In addition, further disclosed in the present invention is a manufacturing method for the high-strength and high-hardness reinforced wear-resistant steel, comprising the steps of: (1) smelting and casting; (2) heating; (3) rolling; and (4) on-line quenching; wherein the cooling start temperature of primary cooling is (Ar3+5)-(Ar3+50)°C, M₅₀<final cooling temperature<Bs, and the cooling speed is 2-15°C/s; and then performing air-cooling to room temperature.



21: 2024/03411. 22: 2024/05/02. 43: 2024/11/22

51: A61K A61P

71: PHARMATHEN S.A.

72: KARAVAS, Evangelos, KOUTRIS, Efthymios, KALANTZI, Lida, CHAITIDOU, Sotiria, LEMONAKIS, Nikos, PAPADAKI, Anna, BRIEUIDES, Vincent, KALEZI, Artemis, KATSENI, Athanasios, KOTTI, Katerina

33: GR 31: 20210100683 32: 2021-06-09

33: GB 31: 2119164.8 32: 2021-13-12

54: SUSTAINED RELEASE INJECTABLE PHARMACEUTICAL FORMULATION OF LEVOTHYROXINE AND PROCESS FOR PREPARATION THEREOF

00: -

The present invention relates to a stable sustained release injectable formulation based on poly(D,L-lactide-co-glycolide) microparticles comprising Levothyroxine. It also relates to a process for the preparation of microparticles and use to control hypothyroidism in adults, congenital hypothyroidism in infants and acquired hypothyroidism in children.

21: 2024/03420. 22: 2024/05/02. 43: 2024/11/22

51: C21D; C22C

71: Baoshan Iron & Steel Co., Ltd.

72: LI, Hongbin, DING, Jianhua, LIU, Zicheng, WU, Kougen

33: CN 31: 202111292512.6 32: 2021-11-03

54: HIGH-STRENGTH AND HIGH-HARDNESS REINFORCED WEAR-RESISTANT STEEL AND MANUFACTURING METHOD THEREFOR

00: -

21: 2024/03437. 22: 2024/05/03. 43: 2024/11/25

51: C25B F03G

71: MARINE DOLPHIN ENTERPRISES, LLC

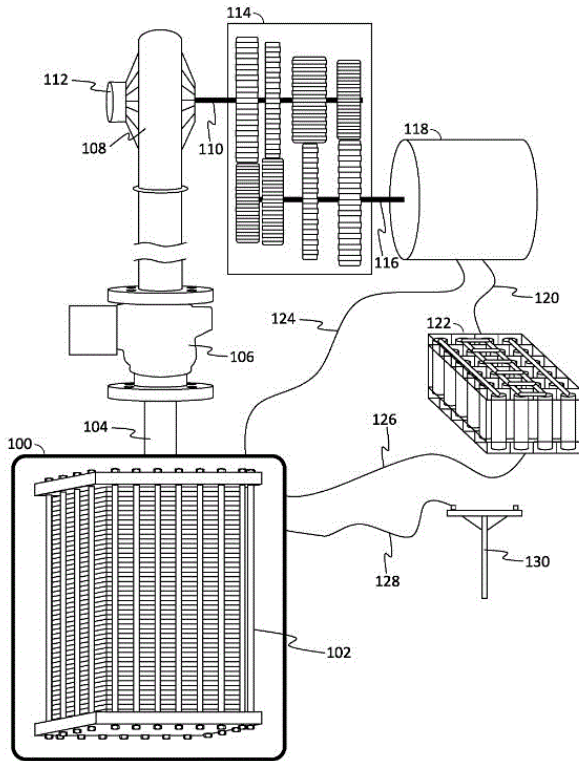
72: GARFUNKEL, Alan, J., THOMPSON, Samuel, A., SANTOS, Bruce, FAHRLÄNDER, Klaus

33: US 31: 63/271,755 32: 2021-10-26

54: APPARATUS AND METHOD FOR MAINTAINING GAS PRESSURE IN AN ELECTROLYZER USING AN ELECTRIC GENERATOR CONFIGURED TO CAPTURE KINETIC ENERGY OF ELECTROLYSIS PRODUCTS

00: -

Systems and methods are described herein for monitoring gas pressure within an electrolysis system and maintaining gas pressure using an electric generator to capture kinetic energy of compressed hydrogen and/or oxygen gases as they are produced by an electrolyzer. The generator utilizes a rotating apparatus, such as a fan or turbine, to capture the energy of the gases and generate electricity. Any electricity produced by the generator is fed back to the electrolyzer to supplement its energy requirements.



further comprising an arc extinguishing chamber (CI) provided with a divergent duct (10) and a respective inlet portion (10a) defined by end portions of a pair of divergent conductors (11a, 11b), wherein said inlet portion (10a) is arranged in fluidic communication with said sliding and guiding chamber and has an opening facing a pressure wave front generated by said displacement of the interception slider (6) acting as a plunger.

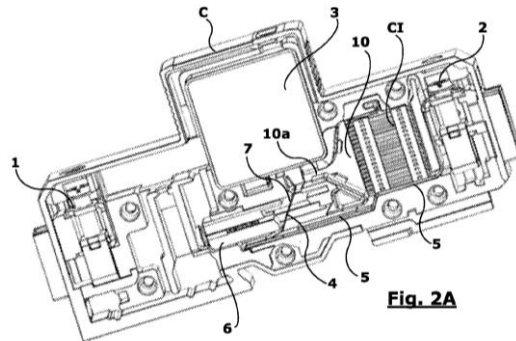


Fig. 2A

21: 2024/03439. 22: 2024/05/03. 43: 2024/12/09
51: H01C; H01H; H01T
71: ZOTUP S.R.L.

72: D'IPPOLITO, Gianfranco
33: IT 31: 102021000028448 32: 2021-11-09

54: SURGE ARRESTER INCLUDING A DISCONNECTOR AND RELATED EXTINGUISHING/DEIONIZATION CHAMBER

00: -
A surge arrester is described, comprising a first and a second electric terminals (1, 2) for connection to live and guard/neutral conductors of an electric system, between which a protection member (3) is connected, provided with a voltage electrode and with a protective electrode equipped with respective electrical connectors (1a, 3a) electrically connected to said electric terminals (1, 2), a disconnector electrically arranged between said protection member (3) and said second electric terminal (2) comprising a metal lamina (4) failing in the presence of short-circuit currents exceeding a preset threshold, said failing generating plasma, and an intercepting slider (6), mounted elastically biased and sliding in a sliding and guiding chamber crossed by said lamina (4), displacement of said interception slider (6) being prevented by said lamina (4) and being allowed by the failing of said lamina (4), and

21: 2024/03449. 22: 2024/05/06. 43: 2025/01/20
51: F16M

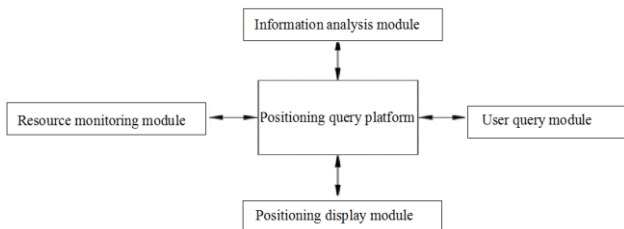
71: Institute of Forest Resource Information Techniques CAF
72: Hou Ruixia, Mao Yanxin, Long Zhihao, Yang Xuanxi

33: CN 31: 202410023509.1 32: 2024-01-08

54: METHOD AND SYSTEM FOR QUERYING FOREST AND GRASS RESOURCES DATA WITH QUICK SPATIAL POSITIONING

00: -
The invention relates to the field of data processing, in particular to a method and a system for querying forest and grass resources data with quick spatial positioning, and is used for solving the problems that the existing automatic interpretation method of forest and grass resource change based on AI technology in remote sensing images cannot monitor and analyze forest and grass resources in a plurality of regions, cannot judge the resource richness, cannot perform quick spatial positioning by inputting forest and grass resources data, and is difficult to query forest and grass resources. The system includes the following modules: resource monitoring module, information analysis module, user query module, positioning query platform and positioning display module. The method and the system for querying forest and grass resources data with quick spatial positioning can directly locate the query result on the

map by inputting corresponding data and key information, thus realizing efficient and accurate data query of forest and grass resources and realizing real-time updating and visual display, so that users can know the dynamic changes of forest and grass resources in time.



21: 2024/03481. 22: 2024/05/07. 43: 2024/12/05
 51: H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 72: WU, Yun-Han, HERRE, Jürgen, KOROTIAEV, Mikhail, GEIER, Matthias, SCHWÄR, Simon, ADAMI, Alexander, ANEMÜLLER, Carlotta
 33: EP 31: 21207298.7 32: 2021-11-09
54: APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING VARIANCE OR COVARIANCE DATA

00: -
 An apparatus for synthesizing a spatially extended sound source (SESS), comprises: a storage (200, 2000) for storing one or more rendering data items for different limited spatial sectors, wherein the different limited spatial sectors are located in a rendering range for a listener, wherein the one or more rendering data items for a limited spatial sector comprises at least one of a left variance data item, a right variance data item, and a left-right covariance data item; a sector identification processor (4000) for identifying one or more limited spatial sectors for the spatially extended sound source within the rendering range for the listener based on spatially extended sound source data; a target data calculator (5000) for calculating target rendering data from the stored left variance data, the stored right variance data, or the stored covariance data; and an audio processor (300, 3000) for processing an audio signal representing the spatially extended sound source using the target rendering data.

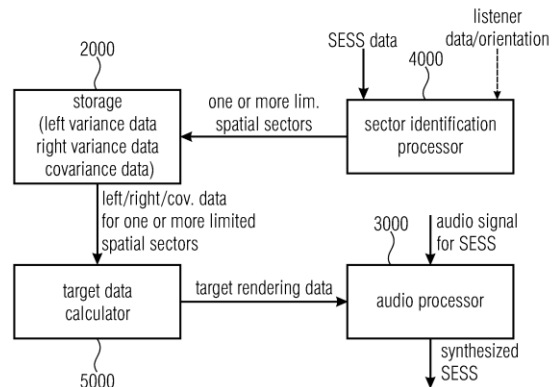
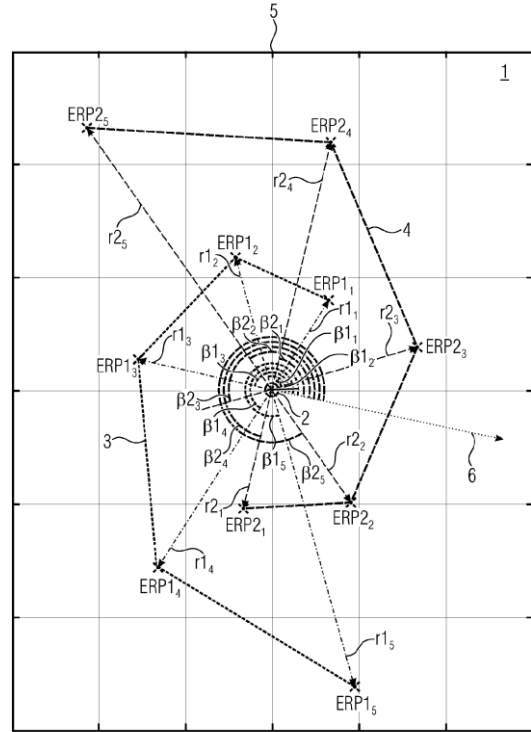
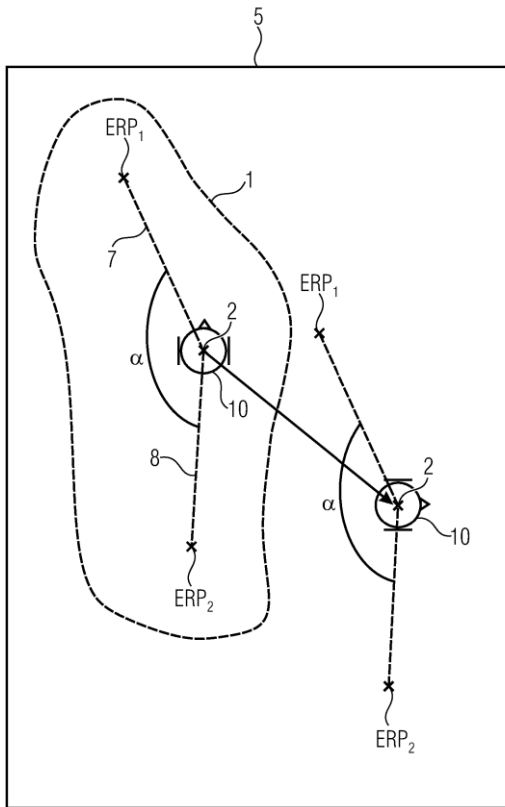


Fig. 3
(THIRD ASPECT)

21: 2024/03482. 22: 2024/05/07. 43: 2024/12/09
 51: H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: SILZLE, Andreas, HERRE, Jürgen, ROSENBERGER, Dennis, PAULUS, Jouni, BORSS, Christian, ADAMI, Alexander
 33: EP 31: 21207272.2 32: 2021-11-09
54: EARLY REFLECTION CONCEPT FOR AURALIZATION

00: -
 The present application concerns early reflection processing concepts for auralization. Embodiments relate to apparatuses and methods for sound rendering considering early reflections and to apparatuses and methods for determining an early reflection pattern.



21: 2024/03483. 22: 2024/05/07. 43: 2024/12/09
 51: H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 72: SILZLE, Andreas, HERRE, Jürgen, ROSENBERGER, Dennis, PAULUS, Jouni, BORSS, Christian, ADAMI, Alexander
 33: EP 31: 21207274.8 32: 2021-11-09

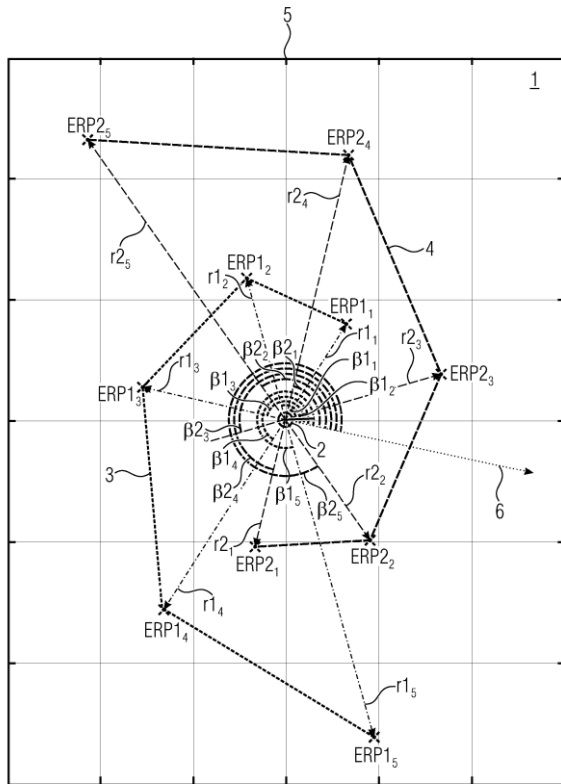
54: CONCEPTS FOR AURALIZATION USING EARLY REFLECTION PATTERNS

00: -
 The present application concerns early reflection processing concepts for auralization. Embodiments relate to apparatuses and methods for sound rendering considering early reflections and to apparatuses and methods for determining an early reflection pattern.

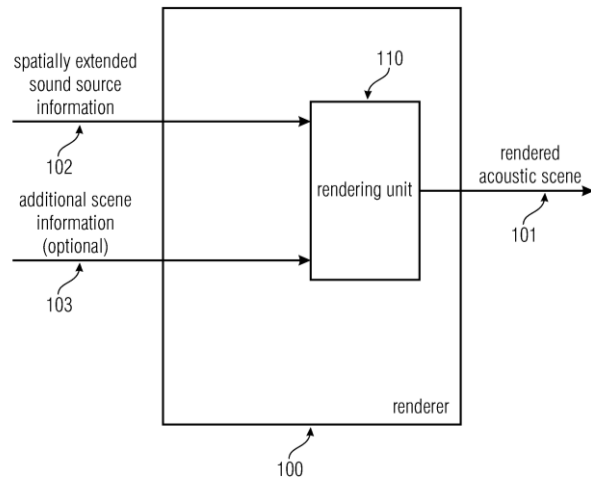
21: 2024/03485. 22: 2024/05/07. 43: 2024/12/09
 51: G10K; H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 72: SILZLE, Andreas, HERRE, Jürgen, ROSENBERGER, Dennis, PAULUS, Jouni, BORSS, Christian, ADAMI, Alexander
 33: EP 31: 21207273.0 32: 2021-11-09

54: EARLY REFLECTION PATTERN GENERATION CONCEPT FOR AURALIZATION

00: -
 The present application concerns early reflection processing concepts for auralization. Embodiments relate to apparatuses and methods for sound rendering considering early reflections and to apparatuses and methods for determining an early reflection pattern.



sound, e.g. using a homogenous extended sound source algorithm. Furthermore, encoders, methods and bitstreams are disclosed.



21: 2024/03487. 22: 2024/05/07. 43: 2024/12/09
 51: G10L; H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: SCHWÄR, Simon, WU, Yun-Han, HERRE, Jürgen, GEIER, Matthias, KOROTIAEV, Mikhail
 33: EP 31: 21207344.9 32: 2021-11-09

54: RENDERERS, DECODERS, ENCODERS, METHODS AND BITSTREAMS USING SPATIALLY EXTENDED SOUND SOURCES

00: -
 Embodiments according to the invention comprise a renderer for rendering, e.g. spatially rendering, an acoustic scene, wherein the renderer is configured to render, e.g. to reproduce, an acoustic impact of a diffuse sound (e.g. of a reverberation; e.g. of a late reverberation), which originates in a first spatial region (e.g. in a first Acoustically Homogenous Space, AHS; e.g. in a first room), in a second spatial region (e.g. in a second Acoustically Homogenous Space; e.g. in a second room; e.g. in a spatial region outside the first spatial region), using a spatially extended sound source, e.g. a SESS, e.g. a spatially extended sound source which reproduces the diffuse

21: 2024/03513. 22: 2024/05/07. 43: 2024/12/09
 51: H04S

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: SILZLE, Andreas, HERRE, Jürgen, ERONEN, Antti

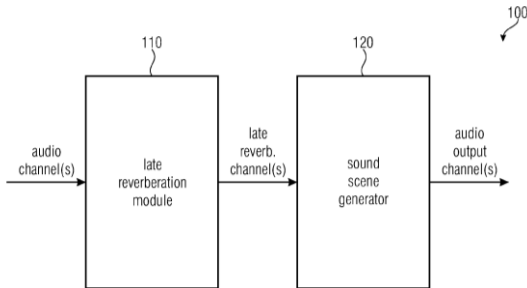
33: EP 31: 21207191.4 32: 2021-11-09

54: LATE REVERBERATION DISTANCE ATTENUATION

00: -

A renderer (100) according to an embodiment is provided. The renderer (100) is configured for rendering a virtual audio scene depending on one or more audio channels of each sound source of one or more sound sources emitting sound into the virtual audio scene, wherein, to process the one or more audio channels of said sound source. The renderer (100) comprises a late reverberation module (110) configured for generating one or more late reverberation channels depending on the one or more audio channels of the sound source, wherein the one or more late reverberation channels represent a late- reverberation part of the sound emitted into the virtual audio scene by the sound source. Moreover, the renderer (100) comprises a sound scene generator (120) for generating, using the one or more late-reverberation channels, one or more audio output channels for reproducing the virtual audio scene. The late reverberation module (110) is configured to generate the one or more late

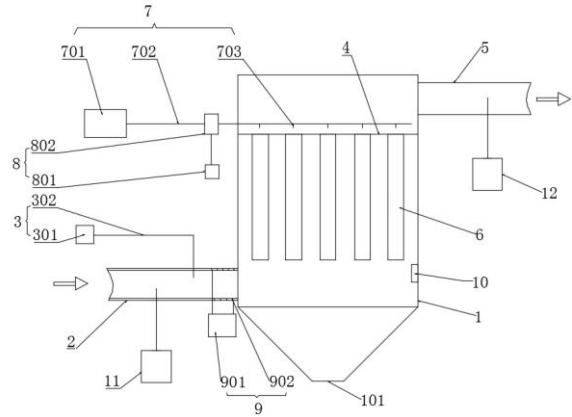
reverberation channels depending on the one or more audio channels of the sound source depending on a distance between the sound source and a listener in the virtual audio scene.



21: 2024/03520. 22: 2024/05/08. 43: 2024/11/28
 51: B01D
 71: INSTITUTE OF URBAN SAFETY AND ENVIRONMENTAL SCIENCE, BEIJING ACADEMY OF SCIENCE AND TECHNOLOGY
 72: LIANG, Quanming, GUO, Hongzhi, DAN, Mo, ZHAO, Jiamei, XIE, Peng

54: FLUE GAS PURIFICATION DEVICE

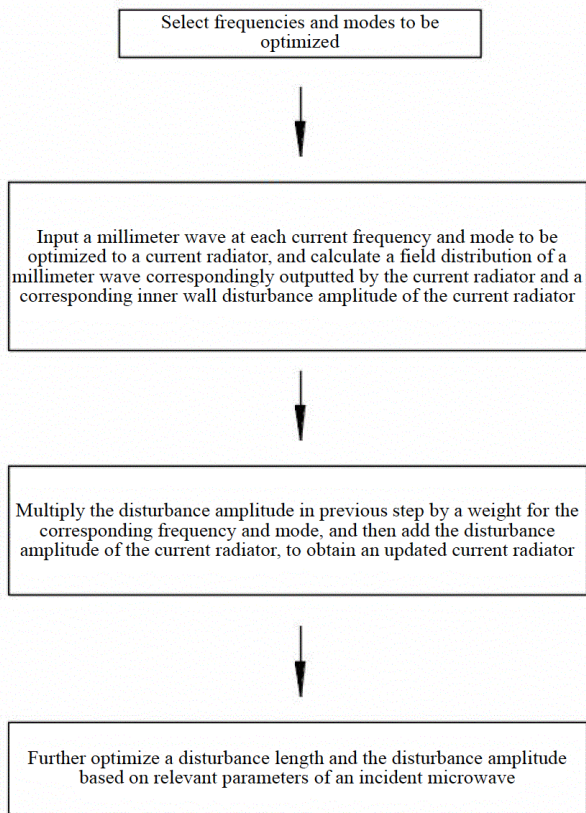
00: -
 The utility model discloses a flue gas purification device, which relates to the technical field of treatment of flue gas pollutants. It consists of a tank body with a smoke inlet pipe connected to its lower side wall, linked to the inner cavity. A reducing agent supply assembly feeds into the smoke inlet pipe. A sealing partition plate horizontally positioned on the tank body's inner wall above the inlet pipe contains multiple spaced smoke outlet holes. A smoke exhaust pipe connected above the sealing partition plate releases purified gas. Catalytic filter cartridges, fixed on the sealing partition plate's lower surface, filter the gas, with their open ends corresponding to the outlet holes. Additionally, a jet ash cleaning assembly maintains efficiency.



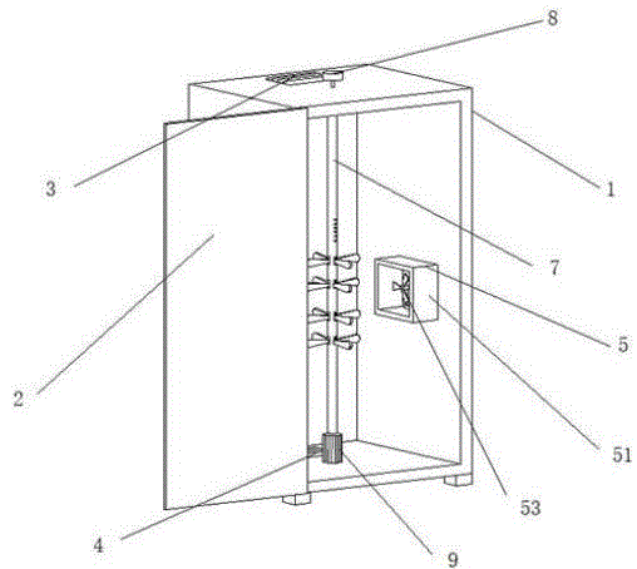
21: 2024/03521. 22: 2024/05/08. 43: 2024/11/22
 51: G06Q
 71: TAISHAN UNIVERSITY
 72: Guohui ZHAO, Jing XIAO, Zhigang GAO, Hongfang YANG

54: AN OPTIMAL DESIGN METHOD AND SYSTEM FOR QUASI-OPTICAL MODE CONVERTER

00: -
 The present disclosure belongs to the technical field of quasi-optical mode converters, and provides an optimization design method and system for a quasi-optical mode converter. The optimization design method for the quasi-optical mode converter includes the following steps: selecting frequencies and modes to be optimized; inputting a millimeter wave at each current frequency and mode to be optimized to a current radiator, and calculating a field distribution of a millimeter wave correspondingly outputted by the current radiator and a corresponding inner wall disturbance amplitude of the current radiator; multiplying the disturbance amplitude by a weight for the corresponding frequency and mode, and then adding the disturbance amplitude of the current radiator, to obtain an updated current radiator; and further optimizing parameters of a disturbance length and the disturbance amplitude based on relevant parameters of an incident microwave. With the optimization design method for the quasi-optical mode converter, values of the length and amplitude parameters are optimized using a coupled wave theory in a pioneering manner.



is provided with a plurality of adjustment rod rings, the adjustment rod rings are chained to a blade ring, the blade ring is connected to a side end surface of the blade, and one end of the blade close to the blade ring is provided with a pin rod through hole. According to the utility model, by means of the blade adjustment mechanism, the air flow is twisted to form a vortex, so that the air flow is accelerated, thereby greatly increasing heat dissipation efficiency of the power distribution cabinet.



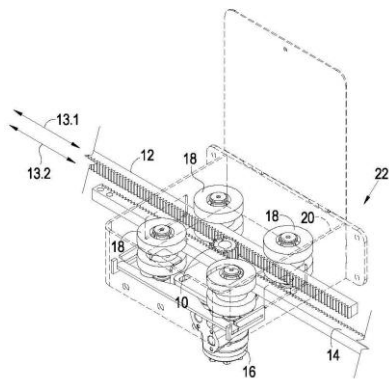
21: 2024/03524. 22: 2024/05/08. 43: 2024/12/13
 51: H02B
 71: ANHUI WANHONG ELECTRIC CO., LTD
 72: Wu Lin, Cui Boyi, Cai Hao, Wang Lei, Yu Zhitao
54: HEAT DISSIPATION POWER DISTRIBUTION CABINET

00: -
 The utility model discloses a heat dissipation power distribution cabinet, and relates to the technical field of heat dissipation of a power distribution cabinet, and the heat dissipation power distribution cabinet includes a box body and a cabinet door, where sidewalls of the box body are respectively provided with an air vent correspondingly, the air vents are connected to a heat dissipation fan arranged inside the box body, a driving motor is mounted on a bottom end surface of the box body, a blade adjustment mechanism is connected to an output shaft of the driving motor, the blade adjustment mechanism includes a sleeve and an adjustment rod axially moving along the sleeve, a plurality of square through holes are arranged on the sleeve, and a pin rod is connected between inner sidewalls of the plurality of square through holes, the adjustment rod

21: 2024/03543. 22: 2024/05/08. 43: 2024/10/29
 51: B01D
 71: FILTAQUIP (PTY) LTD.
 72: VAN NIEKERK, Christo, BEZUIDENHOUT, Johann
 33: ZA 31: 2021/09605 32: 2021-11-26
54: A FILTER PLATE SHIFTING DEVICE FOR A HORIZONTAL FILTER PRESS

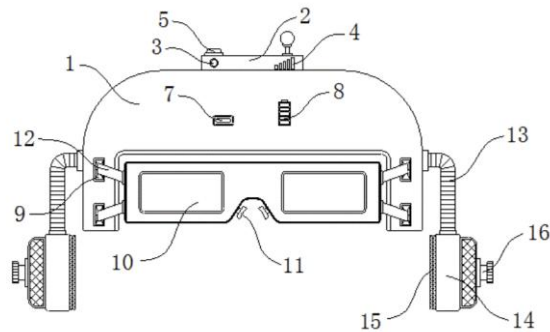
00: -
 A filter plate shifting device for a horizontal filter press comprises a pinion (10), a pair of parallel racks (12, 14) positioned for reciprocating displacement on diagonally opposite sides of the pinion (10) and engaging the pinion (10) such that, during rotation of the pinion (10), the racks (12, 14) stroke in opposite directions along parallel stroke axes (13.1, 13.2), a plurality of displaceable spaced-apart latch stations associated with each rack (12, 14) to be displaced in reciprocating fashion, together with their associated rack (12, 14), along a latch station path which is parallel to the stroke axis (13.1, 13.2) of their associated rack (12, 14), and drive means (16)

selectively to rotate the pinion (10) in a first direction, and thereafter in a second, opposite direction, thereby to stroke the racks (12, 14), and hence to displace the latch stations in reciprocating fashion. Each latch station is configured selectively in use to engage and disengage a filter plate of a filter press.



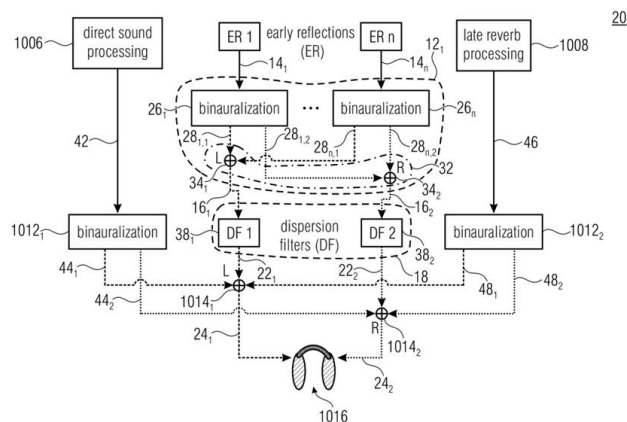
21: 2024/03546. 22: 2024/05/08. 43: 2024/12/06
 51: A42B
 71: Guangzhou College of Technology and Business
 72: Hu Gang, Wu Weijie, Gao Min
54: A MULTIMEDIA TEACHING RESOURCE GENERATOR FOR INTEGRATED TEACHING IN COLLEGES

00: -
 This invention discloses a multimedia teaching resource generator for interdisciplinary integration in universities, specifically focusing on the production of audio-visual teaching materials. It includes a head-worn semi-helmet with a Bluetooth connector installed on the top, featuring status lights embedded on its front. This device is equipped with connecting mechanisms and straps, allowing it to be worn on students' eyes using these mechanisms and straps. Additionally, silicone nose pads are positioned where the glasses contact the bridge of the nose, while adjustable connecting rods and anti-wear cushion rings are provided. The design of the adjustable connecting rods facilitates headphone adjustment, while the anti-wear cushion rings prevent inner headphone surfaces from causing abrasion to the ears. The improved resource generator provides better wearing comfort, incorporates adjustment mechanisms to accommodate students' head shapes, and includes anti-wear protection mechanisms to reduce discomfort caused by excessive friction with the skin.



21: 2024/03552. 22: 2024/05/08. 43: 2024/11/29
 51: H04S
 71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.
 72: HERRE, Jürgen, SILZLE, Andreas, PETERS, Nils, GEIER, Matthias, BORSS, Christian, ROSENBERGER, Dennis
 33: EP 31: 21207255.7 32: 2021-11-09
54: SOUND PROCESSING APPARATUS, DECODER, ENCODER, BITSTREAM AND CORRESPONDING METHODS

00: -
 A sound processing apparatus comprises a panner for spatial positioning of a plurality of input signals and for combining them into at least two spatial signals. The sound processing apparatus comprises a dispersion filter stage for receiving the spatial signals and for dispersion filtering the spatial signals to obtain a set of filtered spatial signals. The sound processing apparatus comprises an interface for providing a number of output signals, based on the filtered spatial signals.



21: 2024/03580. 22: 2024/05/09. 43: 2024/12/10
 51: B65D; D21H
 71: MONDI AG

72: SCHWAIGER, Elisabeth, FINK, Alexander, GUSTAFSSON, Kent, SILVÉN, Patrik

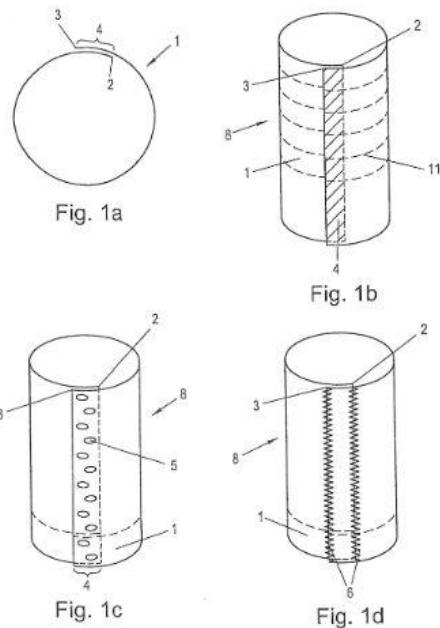
33: EP 31: 21202532.4 32: 2021-10-13

33: AT 31: GM50152/2022 32: 2022-09-30

54: PACKAGING MATERIAL MADE OF UNBLEACHED KRAFT PAPER, SLEEVE PRODUCED THEREFROM, AND METHOD FOR MANUFACTURING SAME

00: -

The invention relates to a packaging material (1) consisting of an unbleached kraft paper having a Kappa number according to ISO 302:2015 of between 38 and 60 as a base paper, wherein: - the kraft paper is manufactured from at least 90% primary cellulose and has a grammage according to ISO 536:2019 of between 65 g/m² and 170 g/m²; - furthermore, the kraft paper contains at least 90% primary cellulose, containing at least 80% cellulose with a length-weighted mean fiber length according to ISO 16065-2:2014 of between 2.0 mm and 2.9 mm, and less than 5% fillers as well as cationic starch and other process aids; - the primary cellulose is present in the form of beaten cellulose, more particularly cellulose beaten with high consistency, having a Schopper-Riegler degree of beating according to ISO 5267-1:1999 of between 13 °SR and 20 °SR; - the packaging material has a strain ratio MD/CD of the kraft paper at break according to ISO 1924-3:2005 of > 1.1, a tear length in the machine direction according to ISO 1924-3:2005 of >10 km, and a tear index in the cross direction of the kraft paper according to ISO 1974:2012 of > 16.0 mN·m²/g; - the kraft paper is optionally coated, at least on one side, with a coating material. The invention also relates to a method for manufacturing the packaging material, to a sleeve produced from the packaging material, and to a use of the packaging material.



21: 2024/03604. 22: 2024/05/10. 43: 2024/12/05
51: G01T

71: JIANGSU NUCLEAR POWER CORPORATION
72: SUN, Xiaokang, ZHU, Gaobin, WANG, Anping, ZHANG, Jianzhong, HE, Zhaojun, HOU, Yao, MA, Chengyao, LIAO, Kaifeng, HUANG, Yuyan, LU, Dongyang

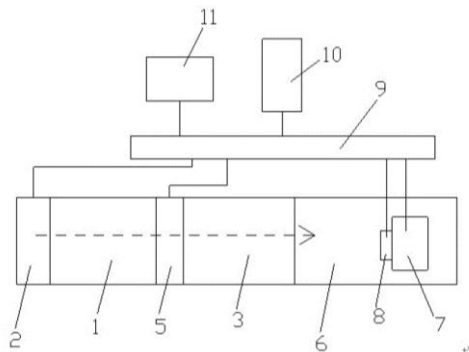
33: CN 31: 202310924742.2 32: 2023-07-25

54: PERSONAL DOSE MANAGEMENT SYSTEM FOR NUCLEAR POWER PLANT

00: -

The present disclosure relates a technical field of radiation dose monitoring, and particularly relates to a personal dose management system for a nuclear power plant. The system includes: an electronic personal dosimeter starting device provided at an entrance of a cold dressing room; an access control device provided at an entrance of a hot dressing room and controlled by a working state of the electronic personal dosimeter to be open and closed; a whole-body surface contamination monitor and a first electronic personal dosimeter reader electrically connected with the whole-body surface contamination monitor both of which are provided in a radiation monitoring room, in which the electronic personal dosimeter starting device, the whole-body surface contamination monitor, and the first electronic personal dosimeter reader are all in communication with a personal dose database server via a switch, and the switch is further connected with a personal dose workstation. The

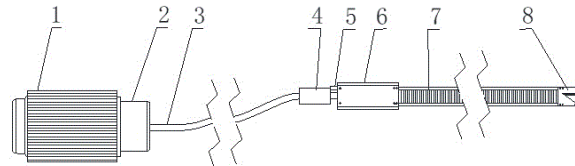
personal dose database server is separated from a general database server shared by the radiation monitoring system, so that a system down time caused by a fault of the general database server is reduced, and safe and reliable operation of the personal dose management system is ensured, thereby facilitating the popularization and use of the system.



21: 2024/03605. 22: 2024/05/10. 43: 2024/12/05
 51: F22B
 71: CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD.
 72: ZHANG, Wei, SHANG, Xianhe, LI, Qiuda, BIAN, Chunhua, WEN, Jie, HU, Minglei, YANG, Gang, CAI, Jinsong, ZHU, Changrong, ZHENG, Fuliang
 33: CN 31: 202311734943.2 32: 2023-12-18
54: CUTTING DEVICE FOR FOREIGN OBJECT BETWEEN HEAT TRANSFER PIPES ON SECONDARY SIDE OF STEAM GENERATOR IN NUCLEAR POWER PLANT
 00: -

The present disclosure specifically relates to a cutting device for a foreign object between heat transfer pipes on a secondary side of a steam generator, the device including: a guide rail mechanism (20); a guide mechanism (21); and a flexible cutting tool, in which the guide rail mechanism (20) is mounted between a 0° hand hole and a 180° hand hole of a steam generator, and the guide mechanism (21) is slidably mounted on the guide rail mechanism (20), and the guide mechanism (21) is capable of moving forward and backward along a central pipe gallery of the steam generator on the guide rail mechanism (20), and the guide mechanism (21) is connected with the flexible cutting tool, and the guide mechanism (21) is configured to slide on the guide rail mechanism (20) to drive the flexible cutting tool to extend into any

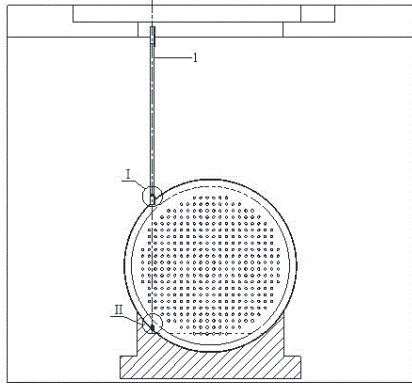
position between heat transfer pipes of the steam generator. According to the cutting device for a foreign object between heat transfer pipes on a secondary side of a steam generator in the present disclosure, cutting of a foreign object between heat transfer pipes on a secondary side of a steam generator is achieved.



21: 2024/03606. 22: 2024/05/10. 43: 2024/12/05
 51: G01V; G21C; G21D
 71: CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., THIRD QINSHAN NUCLEAR POWER CO., LTD
 72: HE, Shaohua, ZOU, Zhengyu, SHANG, Xianhe, ZHANG, Qianbin, QI, Hongchang, WANG, Zhonghui, LI, Shisheng, WU, Tianyuan, MENG, Zhiliang, FAN, Shen, ZHAO, Xiaoling, SHEN, Jie, XU, Jun, LIU, Xiaonian, ZHANG, Guoli, ZHANG, Wen, LI, Qingshan, WANG, Xuefang, GAO, Jian, SONG, Chunli
 33: CN 31: 202311029042.3 32: 2023-08-16
54: METHOD FOR BLINDLY MEASURING COAXIALITY OF UNDERWATER DEEP HOLE CHANNEL OF HEAVY WATER REACTOR
 00: -

The present invention relates to the technical field of coaxiality measurement of an underwater deep hole channel of a heavy water reactor, and solves the problem of safely and accurately measuring coaxiality of a high-irradiation underwater vertical deep hole of a heavy water reactor and an inner hole of a hole channel mouth. The present disclosure provides a method for blindly measuring coaxiality of an underwater deep hole channel of a heavy water reactor, the method including: setting a measurement zero reference plane; establishing an axis system perpendicular to the measurement zero reference plane based on the measurement zero reference plane; measuring a distance between a pre-measurement hole channel and the measurement zero reference plane; measuring a diameter of a pre-measurement hole; and measuring coaxiality of the pre-measurement hole and a hole at an upper end of the deep hole channel. The present disclosure implements high-irradiation, long-

distance, and underwater blind coaxiality measurement of an inner hole of a vertical deep hole channel of a nuclear power heavy water reactor, implements precise contact measurement, has high accuracy, and greatly reduces the irradiation dose of an operator as the operator is kept away from the high-irradiation environment as much as possible.

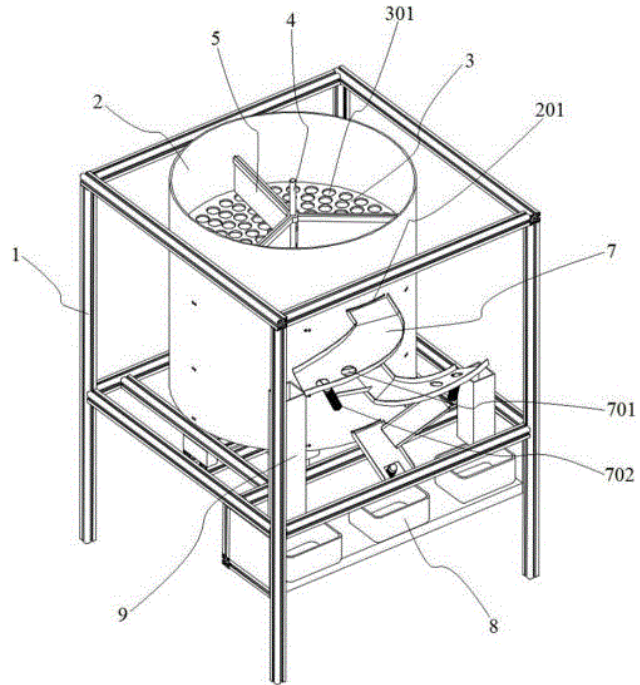


21: 2024/03646. 22: 2024/05/13. 43: 2024/12/05
 51: G07D
 71: CHANGZHOU INSTITUTE OF TECHNOLOGY
 72: TIAN Wentong

54: COIN SORTING MACHINE

00: -
 The invention discloses a coin sorting machine, which belongs to the field of coin sorting devices. The invention comprises a rack, wherein a cylinder is arranged on the rack, and at least two layers of coin distributing trays are arranged in the cylinder; except for the lowermost coin distributing tray, coin distributing holes are distributed on other coin distributing trays, and the aperture of the coin distributing holes on the upper coin distributing tray is larger than that on the adjacent lower coin distributing trays; Scraper devices are arranged on each layer of coin distributing trays, coin outlet holes flush with each layer of coin distributing trays are arranged on the side wall of the cylinder, and coin guiding slides corresponding to the positions of each coin outlet hole are arranged on the outer side of the cylinder, and secondary coin distributing holes are arranged on other coin guiding slides except the lowest one, and the lower parts of the secondary coin distributing holes on the upper layer of coin guiding slides are correspondingly connected to the next layer of coin guiding slides. The invention realizes accurate classification of coins by

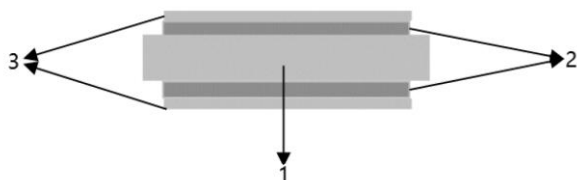
secondary sorting, and has the advantages of simple structure, low cost, low failure rate, large number of coins at one time and high efficiency.



21: 2024/03653. 22: 2024/05/13. 43: 2024/12/06
 51: G02B
 71: Zhaoqing University
 72: Wang Xiahui, Lai Zunlong, Xu Li, Luo Zitao, Chen Qinghua, Chen Rongrong
 33: CN 31: 2024104420392 32: 2024-04-12
54: A VARIABLE-FOCUS MICROLENS ARRAY BASED ON PIEZOELECTRIC CERAMICS AND ITS PREPARATION METHOD

00: -
 The invention belongs to the field of optical technology components and discloses a variable-focus microlens array based on piezoelectric ceramics and its preparation method, including: a substrate, a packaging ring, a gradient gel layer, and a variable-focus lens driving component. The packaging ring and the substrate constitute a packaging cavity with an internal space. The gradient gel layer is firmly attached to the substrate inside the packaging cavity, and the gradient gel layer includes a first gel layer and a second gel layer sequentially arranged above the substrate, wherein the liquid-to-solid ratio of the first gel layer is greater than that of the second gel layer. The variable-focus lens driving component is provided on the gradient gel layer, and the variable-focus lens driving

component includes a first electrode and a second electrode disposed on the upper and lower surfaces of the first electrode, respectively. A piezoelectric layer is provided between each second electrode and the first electrode, and a plurality of through-holes is formed in the piezoelectric layer. The technical solution of the present invention has the advantages of fast response speed, low power consumption, and a wide range of variable-focus for the lens.



21: 2024/03655. 22: 2024/05/13. 43: 2024/12/06
 51: C04B
 71: China Building Materials Academy Co., Ltd., China National Building Material Group Co., Ltd., CNBM Zhongyanyi Technology Co., Ltd.
 72: Yang YU, Xiao ZHI, Min WANG, Wen HUANG, Xianshu GAO, Guang YAO, Zhajun WEN, Xin SHEN, Kunyue ZHANG, Yun LIU, Guanbao TANG, Suihua GUO, Xianbin WANG, Mingming SUN, Ao LIU
 33: CN 31: 202310560643.0 32: 2023-05-18
54: LOW DENSITY AND HIGH STRENGTH SHALE GAS WELL CEMENTING SLURRY
 00: -

A low density and high strength shale gas well cementing slurry includes solid materials calculated by weight parts: 20-30 parts of cement; 2-3 parts of an early strength agent; and 0-5 parts of a water reducing agent. The solid materials further include quaternary composite additives with the following weight parts: 5-15 parts of micro silicon, 25-35 parts of ceramic particles, 10-15 parts of pearl powders, and 25-30 parts of slag; and 5 parts of gypsum dihydrate. The solid materials are mixed with water in a water-cement ratio of 1-1.2, to yield a well cementing slurry. The low density and high strength shale gas well cementing slurry is suitable for stratum with low leakage pressure characteristics, solving problems such as insufficient cement return height and cementing leakage. The cement can be directly mixed with water in proportion, with simple operation and saving on-site mixing process.

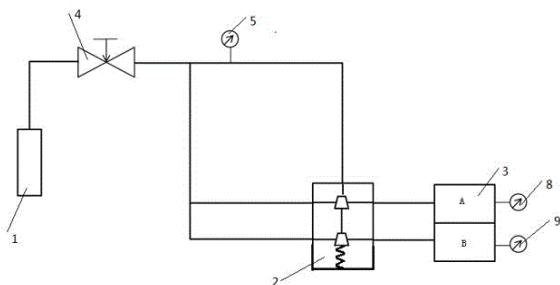
21: 2024/03664. 22: 2024/05/13. 43: 2024/12/06
 51: A61K
 71: Fujian Longqing Industrial Co., Ltd.
 72: Yaoxing Weng
 33: CN 31: 2024103652937 32: 2024-03-28
54: KIND OF TRADITIONAL CHINESE MEDICINE POWDER FOR TREATING FATTY LIVER
 00: -

The invention discloses a kind of traditional Chinese medicine powder for treating fatty liver, comprising the following raw materials in parts by weight: 1 gram to 2 grams of American ginseng, 5 grams to 10 grams of Polygonum multiflorum, 7.5 grams of wolfberry, and 5 grams to 10 grams of rhubarb. The invention is safe and reliable in clinical application. With reasonable compatibility of various raw materials, it has effects such as clearing the throat, resolving phlegm and quenching thirst, reducing swelling and relieving pain, etc. The treatment of fatty liver has the characteristics of precise curative effect, quick effect, high cure rate, and no side effects, especially for damp heat type fatty liver, which has a very good and significant effect.

21: 2024/03665. 22: 2024/05/13. 43: 2025/01/09
 51: F16K
 71: JIANGSU NUCLEAR POWER CORPORATION
 72: CHEN, Bin, DENG, Hanqiu, FENG, Qi, LIU, Shiqiang
 33: CN 31: 202310726248.5 32: 2023-06-19
54: PERFORMANCE DETECTION DEVICE AND METHOD FOR GAS-LOCK VALVE
 00: -

The disclosure relates to a field of instrument equipment, in particular to a performance detection device and performance detection method for a gas-lock valve. The device includes a first gas path one end of which is for a gas supply tank interface and the other end connected to both a second gas path and a third gas path. The first gas path is provided with a first pressure gauge and an isolation valve. The second gas path is provided with a first pressure regulating valve, a second pressure gauge, and a first three-way valve, and a gas supply interface is provided at an end of the second gas path. The third gas path is provided with a second pressure regulating valve and a second three-way valve, and the end of the third gas path is provided with a first gas inlet interface and a second gas inlet interface

respectively. A first gas outlet interface and a second gas outlet interface are respectively connected to two chambers of a working chamber through gas paths, and different chambers of the working chamber are respectively connected to a third pressure gauge and a fourth pressure gauge. The device can be used to detect the performance of the gas-lock valve. The present disclosure can simulate various working conditions and achieve the testing of the performance of two types of gas-lock valves.



21: 2024/03667. 22: 2024/05/13. 43: 2024/12/06

51: A01D

71: Zhejiang University

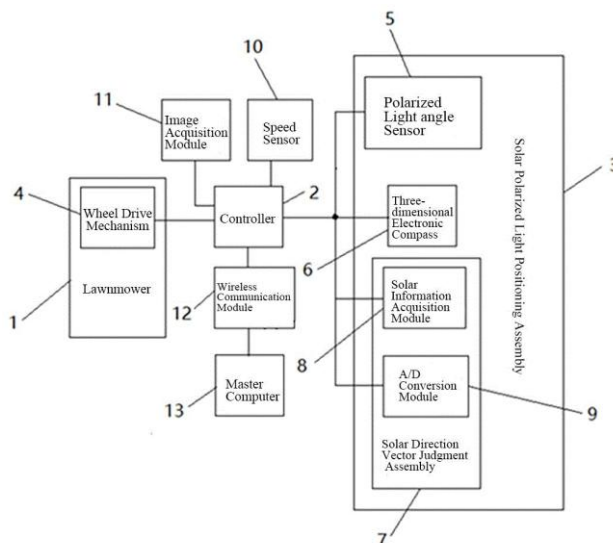
72: Zhenyu Liu

54: THE LAWNMOWER SYSTEM AND MOWING METHOD BASED ON SOLAR POLARIZED LIGHT POSITIONING

00: -

The present invention discloses a lawnmower system based on solar polarized light positioning, comprising a lawnmower and a controller mounted on the lawnmower. The lawnmower is further equipped with a solar polarized light positioning assembly, which is electrically connected to the controller, and the controller is electrically connected to the wheel drive mechanism of the lawnmower. The solar polarized light positioning assembly is used to acquire solar polarized light data and heading angle information in the coordinate system of the lawnmower and transmit it to the controller. The controller is used to receive and calculate the polarized light data of the sun and the heading angle information of the lawnmower to determine the moving route, and control the wheel drive mechanism to drive the lawnmower to walk in the mowing work area according to the set moving route. By utilizing the stability and temporal variation characteristics of polarized light, the real-time position of the lawnmower can be determined by

acquiring the changes in polarized light angle and the heading angle information of the lawnmower, and the mowing path of the lawnmower can be planned. The position data obtained during the day is stable and reliable, and can be applied to the daytime positioning of the lawnmower.



21: 2024/03669. 22: 2024/05/13. 43: 2024/12/06

51: A61F

71: Affiliated Huishan Hospital of Xinglin College, Nantong University, Wuxi Huishan District People's Hospital

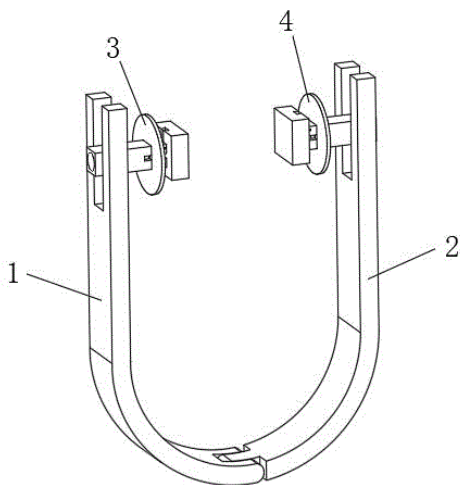
72: Xiangming Meng

54: A 3D PRINTED BIODEGRADABLE AURICLE FIXING DEVICE

00: -

The invention relates to related technical fields of medical auxiliary devices, in particular to a 3D printed biodegradable auricle fixing device, which comprises a first clamping arm, a second clamping arm, a first fixing structure and a second fixing structure. The first clamping arm is arranged in a half U-shaped shape, and the lower end of the first clamping arm is provided with a primary switching slot. The side wall of the primary switching groove is provided with a primary steering ball groove, and the second clamping arm is symmetrically arranged with the first clamping arm; The 3D printed biodegradable auricle fixing device composed of the first clamp arm, the second clamp arm, the first fixing structure and the second fixing structure is set up, and the first fixing structure and the second fixing structure are set up to consist of the mounting base, the auricle

fixing device and the magnet plate, and the auricle fixing device is positioned on the auricle of the patient through the adsorption of the magnet plate. It is convenient for patients to load and unload and adjust themselves, while providing uniform compression force, effectively promoting the healing of the auricle cyst area.

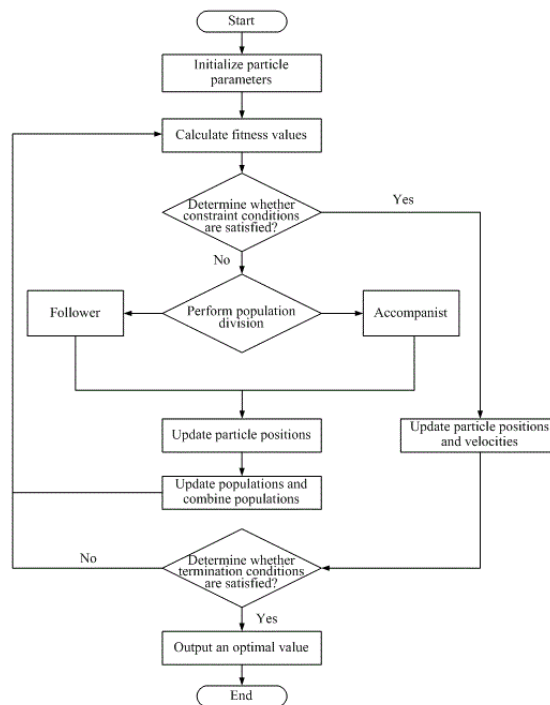


21: 2024/03675. 22: 2024/05/13. 43: 2024/12/18
 51: B25J
 71: Anhui Polytechnic University, Huangshan Weiqi Intelligent Technology Co., Ltd
 72: Liu Youyu, Shi Xiaowei, Tao Wanbao, Zhou Xiangxiang, Yang Siyang, Gu Zhouyi, Zhang Jianwen, Hu Guodong, Xie Xiaosi

54: TRAJECTORY PLANNING METHOD BASED ON PSO WITH PARAMETERS DECREASED NONLINEARLY AND HYBRID POPULATIONS

00: -
 The present disclosure relates to trajectory planning, and in particular to a trajectory planning method based on particle swarm optimization (PSO) with parameters decreased nonlinearly and hybrid populations. According to the method, at the beginning of iteration of each generation, the populations are randomly divided into a follower population and an accompanist population according to proportion, and particle positions are updated. By performing nonlinear dynamic adjustment on inertia weights and learning factors, the particle velocity is optimized, the global search capability and the local search capability of a particle swarm optimization algorithm are balanced, adaptability and convergence of the particle swarm optimization algorithm are improved, and an optimal planning

path of an industrial robot is output by using the particle swarm optimization algorithm. The technical solution provided by the present disclosure can effectively overcome the defects existing in the prior art that the particle swarm optimization algorithm is likely to fall into the local optimal solution and has a relatively slow convergence rate when performing trajectory planning.

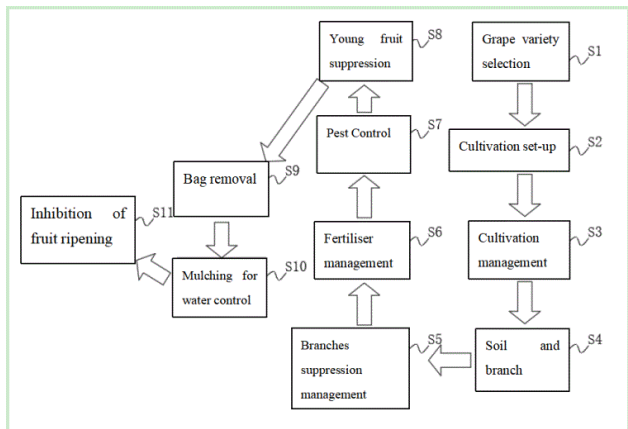


21: 2024/03676. 22: 2024/05/13. 43: 2024/12/18
 51: A01G
 71: Shandong Academy of Grape
 72: Chen Yingchun, Gong Lei, Wu Xinying, Li Bo, Ma Yujiao

54: A CULTIVATION METHOD FOR DELAYED GRAPE RIPENING

00: -
 The present invention discloses a cultivation method for delayed grape ripening, specifically including the following steps: S1, grape variety selection, S2, cultivation build, S3, planting management, S4, soil and branch control, S5, branch inhibition management, S6, fertiliser and water management, S7, disease and pest control, S8, young fruit inhibition, and S9, bag uncovering treatment, S10, film covering and water control, S11, fruit ripening inhibition, and the present invention relates to the field of viticulture technology. The cultivation method for delaying grape maturation inhibits the growth of

branches, young fruits and mature fruits in multiple steps, delays the maturation period of the grapes, delays the time for a longer period of time, and at the same time cultivates grapes with high quality, full grains, and a low amount of bad fruits, and reduces the management cost effectively.



21: 2024/03684. 22: 2024/05/13. 43: 2024/12/18
51: E21C

71: Huating Coal Group Co.,Ltd., North China Institute of Science and Technology, Beijing Window Technology Co., Ltd.

72: Zhao Xudong, Li Hui, Chen Yanfeng, Liu Zhou, Guo Rongfeng, Zhao Huiqiang, Pu Xin, Zhang Wenfeng, Wu Gaowei, Li Xuqiang, Gao Yanpeng, Yang Yunbin, Li Yongjun, Guo Jingzhong, Liu Yude, Yang Yuanzhong

54: METHOD OF CUTTING TOP AND UNLOADING PRESSURE IN COAL SEAM WORKING FACE

00: -
The present invention discloses a method of cutting top and unloading pressure in coal seam working face, which relates to the field of coal mining technology; and the present invention includes S1 blasting drill hole position arrangement, S2 top plate pre-cracking blasting construction, S3 roadway support, and S4 cutting slit slurry spraying construction; and through the S1-S4 construction steps, after completing the pre-cracking of the roof plate, the initial pressure step is significantly shortened, reducing the initial pressure intensity, thus reducing the coefficient of occurrence of roof, gas, impact and other disaster accidents, realising the full collapse of the roof plate after pre-cracking, reducing the amount of air leakage of the air mining zone and solving the air leakage problem of the air mining zone, and through the cutting of the top of the

face to unload the pressure and automatically forming the roadway, not only to ensure the quality of the construction of the face, but also to ensure that the construction quality of the face, while reasonable and planned for the relevant supporting equipment and materials and the roadway support. By cutting the top of the working face and removing the pressure and automatically forming an alley, it not only ensures the construction quality of the working face, but also reasonably matches and calls the relevant supporting equipment and materials in a planned way, and finally investigates and summarises the whole environment, achieving better site design and construction operation effects, ensuring the construction quality and shortening the construction period, and at the same time, reducing the construction cost.

- S1. arranging the position of blasting drill holes, blasting drill holes are carried out at the beginning position of the pressure channel of the roadway, and the position of each drill hole is 0.5-0.8m in the transverse direction, 0.5-0.6m in the longitudinal direction, and the depth of the drill hole is 6-10m to form a gun hole.
- S2. top plate pre-cracking blasting construction, the use of poly energy device tube, the length of the said poly energy device tube are set to 1.5m and 2m two specifications, each gun hole installed 5-10 poly energy device tube, poly energy device tube installed to the bottom of the gun hole, in the poly energy device tube placed in high power explosives, 15-20 rolls of medicine packets for each drilling, and then seal the cement treatment at the mouth of the gun hole, the detonation of the blasting construction after the end of the blasting operation to complete the cut seam operation.
- S3. roadway support, insert the prepared gangue into the corresponding slit, all the gangue according to every 0.5-0.8m spacing for the arrangement, between the gangue through the U-type reinforcing steel mesh for fixed filling.
- S4. cut slurry construction, the use of mixed soil on the cut joints for slurry construction, the construction process, the use of cyclic slurry spraying way, to ensure that the cut joints in the concrete slurry uniform.

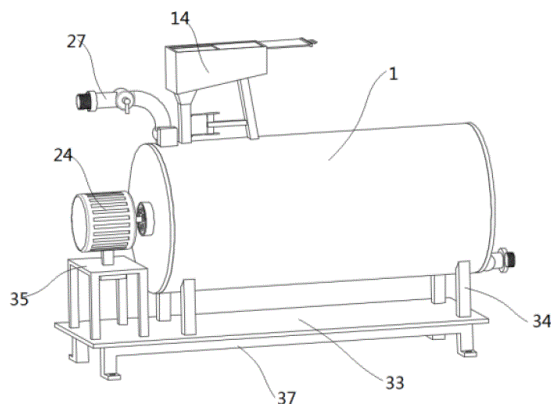
21: 2024/03687. 22: 2024/05/13. 43: 2024/12/06
51: A61K

71: Guangzhou College of Technology and Business
72: Chen Haoxin, Wang Shuo, Hou Zhenzhen

54: A FOOD ANTIOXIDANT TREATMENT DEVICE BASED ON POLYPHENOLIC SUBSTANCES

00: -
The present invention discloses a food antioxidant treatment device based on polyphenolic substances, which relates to the field of food processing technology. The invention comprises a device body and a control system for controlling the device body. The device body includes a mixing barrel, a mixing assembly, and a feeding assembly. The mixing assembly includes a rotating column movably set in the middle, auxiliary bars fixedly set on the inner side wall of the mixing barrel, and mixing blades set

on the rotating column. The feeding assembly includes a feed pipe connected through the mixing barrel. The side of the feed pipe is movably equipped with upper and lower stop plates, with a pressure sensor embedded on the upper surface of the lower stop plate. A bearing plate is located on the upper surface of the pressure sensor. Sealing strips are provided at both ends of the upper and lower stop plates, and one end of each of the upper and lower stop plates is respectively provided with a first electric telescopic rod and a second electric telescopic rod. This invention is a food antioxidant treatment device based on polyphenolic substances, which has the advantages of precise dosing and good mixing effect.

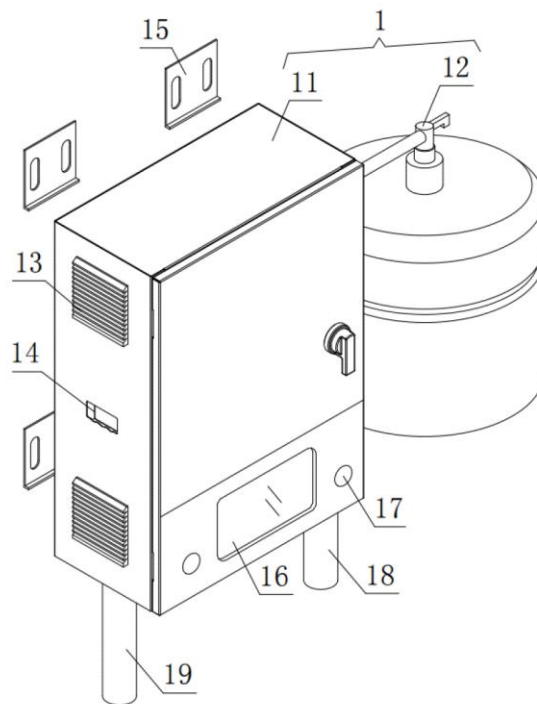


21: 2024/03688. 22: 2024/05/13. 43: 2024/12/06
 51: B01J
 71: Guangzhou College of Technology and Business
 72: Zhang Yongli, Chen Meimei, Mai Zhijian, Wang Yibo

54: A WATER PURIFIER BASED ON RICE STRAW ACTIVATED CARBON AND ITS USAGE METHOD

00: -
 This invention discloses a water purifier based on rice straw activated carbon and its usage method, which pertains to the field of water purifier technology. To address the issue of environmental pollution and health hazards caused by the large amount of agricultural crop straw generated annually in China, with rice straw accounting for approximately 32%, most of the discarded rice straw is incinerated, resulting in the emission of harmful gases. The water purifier based on rice straw activated carbon addresses this problem by utilizing rice straw as a raw material for producing activated

carbon. Rice straw has a high carbon content and low ash content, making it an excellent material for preparing activated carbon. By using carbonized rice straw to prepare adsorbents, not only can the pollution caused by discarded rice straw be reduced, but economic benefits can also be increased. This approach is more environmentally friendly and significantly reduces production costs while enhancing adsorption quality. The water purifier incorporates a second-stage filter composed of rice straw activated carbon, resulting in a low-cost solution. The multi-stage filtration process increases the contact time between water and activated carbon, improving adsorption efficiency and water purification effectiveness. Additionally, reducing water flow rate enhances the water purification effect and water quality.



21: 2024/03696. 22: 2024/05/13. 43: 2024/12/06
 51: B65D; D03D
 71: MANTZIVIS, Lionel
 72: MANTZIVIS, Lionel
 33: ZA 31: 2022/01386 32: 2022-02-01

54: AN IMPROVED METHOD OF MANUFACTURING A FLEXIBLE CONTAINER

00: -
 An improved method of manufacturing a flexible container is disclosed in which there is woven in

selected areas of a length of fabric formed by a body of warp and weft yam threads where yarns in the weft are controlled in the intended load and pressure-bearing areas during weaving. Preferably, the area where tension is required of the yarns where product in the container is exerting pressure in the horizontal direction once filled being greater than the area where no or less load in the horizontal is exerted and during lifting where an area where no weft yarns are needed are reduced in weaving and therefore is greater in the tension of the body yarns in the horizontal load-bearing direction. Having increased weft yarns where a join or seam is needed. Having increased weft yarns where a lifting device or belt is attached to the fabric such needing a higher weft count for stitching or attaching and transferring load and reducing said weft where no lifting device is attached or where no tension is placed on the fabric by the join or attaching means force. Where such fabric is rotated 90 degrees and where the weft becomes the warp and the warp the weft and a lifting loop may be attached to the area of increased yarns or where a seam or join is made. A length of woven fabric being woven and cut and formed in such a manner as to reduce the amount of material used in a conventional method in production of such a flexible container bag.

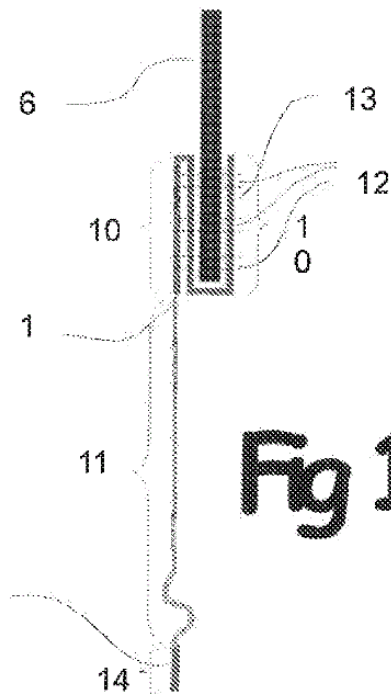
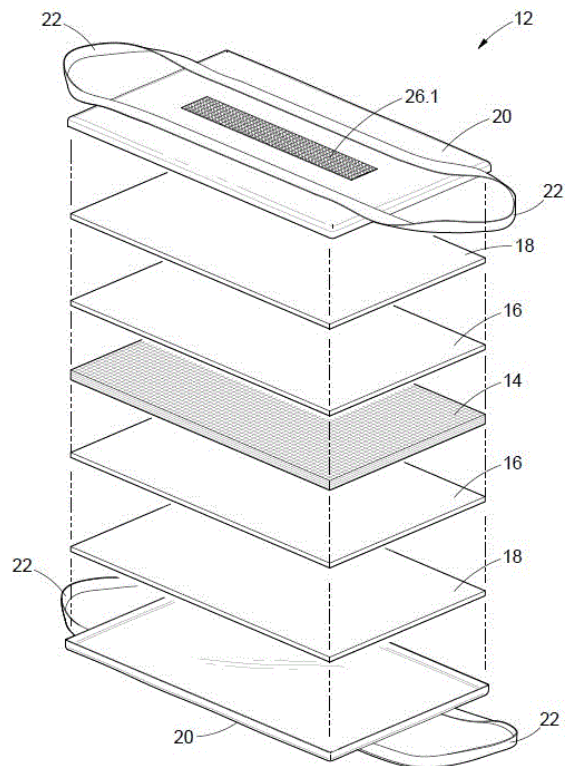


Fig 16

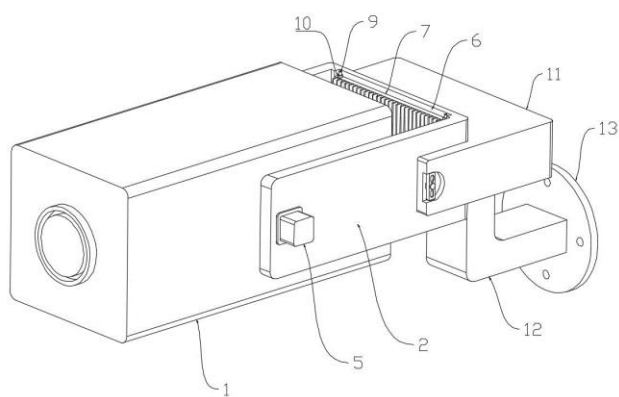
21: 2024/03712. 22: 2024/05/14. 43: 2024/12/23
 51: A47G; F41H
 71: IMPORT KALEIDOSCOPE CC
 72: VAN SCHALKWYK, Marius Wilken, NAUDÉ, Hendrik Petrus
 33: ZA 31: 2023/05667 32: 2023-05-26
54: BULLETPROOF PILLOW

00: -
 A bulletproof pillow which comprises an impact protective arrangement which includes a first element which comprises overlying layers formed from a material selected from the group consisting of meta-aramids, para-aramids, ultra-high molecular weight polyethylene, polyethylene terephthalate, cellulose, polyamide, a mixture of para-aramids and meta-aramids, and a mixture of para-aramids and carbon; and a pair of cushioned supports which can be secured to an operatively upper and lower surface of the impact protective arrangement.



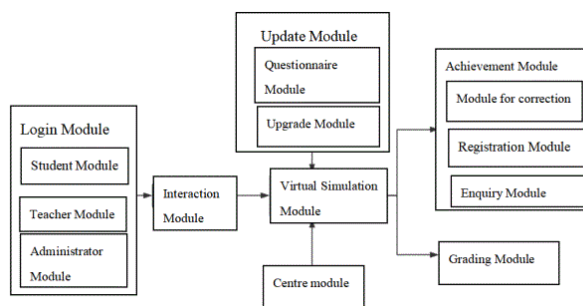
21: 2024/03713. 22: 2024/05/14. 43: 2024/12/06
 51: H04N
 71: Hunan University
 72: Jian Liang
54: AN INTELLIGENT MONITORING DEVICE FOR PUBLIC CULTURAL VENUES
 00: -

The invention relates to the technical field of monitoring equipment, in particular to an intelligent monitoring device for public cultural venues, including an intelligent monitoring camera. The intelligent monitoring camera is rotated and connected in a connecting frame, the top surface of the connecting frame is inserted with a printing plate, one end of the connecting frame is arranged with a hanging plate, the bottom surface of the hanging plate is fixed with a supporting bracket, and one end of the supporting bracket is fixed with a fixed plate. The surface of the suspension plate is provided with a reserved slot, the surface of the reserved slot is inserted with an inserting handle, and one end of the inserting handle is inserted on the surface of the connecting frame; The beneficial effects are: The intelligent monitoring device for public cultural venues is inserted on the surface of the connecting frame and the suspension plate after assembling the connecting frame and the suspension plate, so as to realize rapid fixing of the connecting frame and the suspension plate. When the connecting frame needs to be removed from the suspension plate, it only needs to move the dislocating of the baffle plate and the inserting handle and pull the inserting handle away from the surface of the connecting frame. At this time, the connecting frame and the suspension plate are no longer connected.



21: 2024/03717. 22: 2024/05/14. 43: 2024/12/18
 51: G09B
 71: GUANGXI TECHNOLOGICAL COLLEGE OF MACHINERY AND ELECTRICITY
 72: Liu Minjie
54: A VIRTUAL SIMULATION COMPUTER EXPERIMENT TEACHING PLATFORM
 00: -

The present invention relates to the field of computer network technology and discloses a virtual simulation computer experiment teaching platform, including a login module, an interaction module, a virtual simulation module, an update module, a centre module, an achievement module, and a grading module, said login module is used for students to log in with teachers and Management personnel for virtual simulation login, said interaction module is used for users to carry out computer experiment simulation operations, said virtual simulation module is used to provide virtual simulation data of computer courses, said update unit is used for updating the virtual simulation module; the present invention is integrated into computer experiment teaching through virtual simulation, and the use of virtual simulation better serves the combination of course civics and computer experiment teaching, and the virtual simulation module can be upgraded very well when upgrading. Module when upgrading, can easily achieve system upgrades, only need to adjust the equipment configuration, making this application in the use of more convenient, and do not need to actually purchase equipment, to avoid the use of high procurement costs.

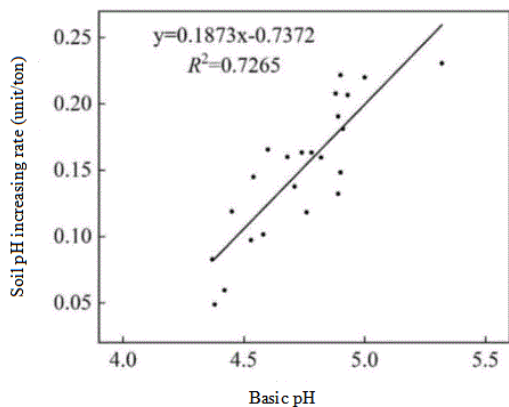


21: 2024/03718. 22: 2024/05/14. 43: 2025/01/02
 51: A01B
 71: Jianggangshan Institute of Red Soil (Jianggangshan Branch of Jiangxi Academy of Agricultural Sciences), Soil and Fertilizer & Resources and Environment Institute, Jiangxi Academy of Agricultural Sciences
 72: Liang Xihuan, Chen Jin, Yao Shuihong, Huang Shan, Chen Xianmao, Li Xiuxiu, He Xiaolin, Peng Chunrui, Guan Xianjiao, Hu Juan, Wang Ping, Liu Lei, Qiu Caifei
 33: CN 31: 2023107344606 32: 2023-06-20

54: METHOD FOR IMPROVING SOIL ACIDITY BY ACCURATELY APPLYING LIME SUBSTANCES

00: -
 The invention provides a method for improving soil acidity by accurately applying lime substances, which comprises the following steps: step 1, measuring soil pH: fully mixing the soil sample to be tested with carbon dioxide-free water, stirring and standing until the mixture is precipitated, and then measuring the pH of the supernatant with a pH meter; step 2, determining the applying amount of the modifier: setting the target pH of soil in advance, and determining the applying amount of any one of Ca(OH)₂, CaO and CaCO₃ according to the calculation formulas; step 3, applying method: crushing and then sieving the lime, spreading the lime evenly on the soil surface, and then performing rotary tillage on the soil to fully mix the lime with the soil. According to that invention, only one index of soil basic pH needs to be measure, and then the required lime applying amount can be obtained by substituting into a formula according to a predetermined target pH; the invention is accurate and scientific, efficient and convenient, and the material is economical and practical; Lime should be applied once every 2-3 years to improve the acidification of red soil for a long time.

The present invention relates to a livestock identification and traceability system which comprises a central database storing animal identification data, a central server managing data storage and retrieval, an RFID reader for unique animal identification, and a mobile device for image capture. The central server further includes biometric and zoometric analysis modules capable of uniquely identifying animals and extracting morphometric data for quantifying predefined parameters. The invention extends to a method involving the association of RFID identification numbers with animals, capturing animal data and images, conducting biometric and zoometric analyses, and storing resultant data alongside RFID information. External visual markers may be applied and analysed for enhanced identification. The system allows for real-time monitoring of animal movements, aiding in disease outbreak prediction and spatial analysis. Updates to animal data, including changes in ownership, trigger alarms for data inconsistencies. Location data further enables detection of unauthorised movements or theft.



21: 2024/03719. 22: 2024/05/14. 43: 2024/12/23
 51: G06Q
 71: MYCOW (PTY) LTD
 72: DE KOCK, Meyer Etienne, GOUWS, Johan
 Andries

33: ZA 31: 2023/04079 32: 2023-04-03

54: LIVESTOCK IDENTIFICATION AND TRACEABILITY SYSTEM

00: -

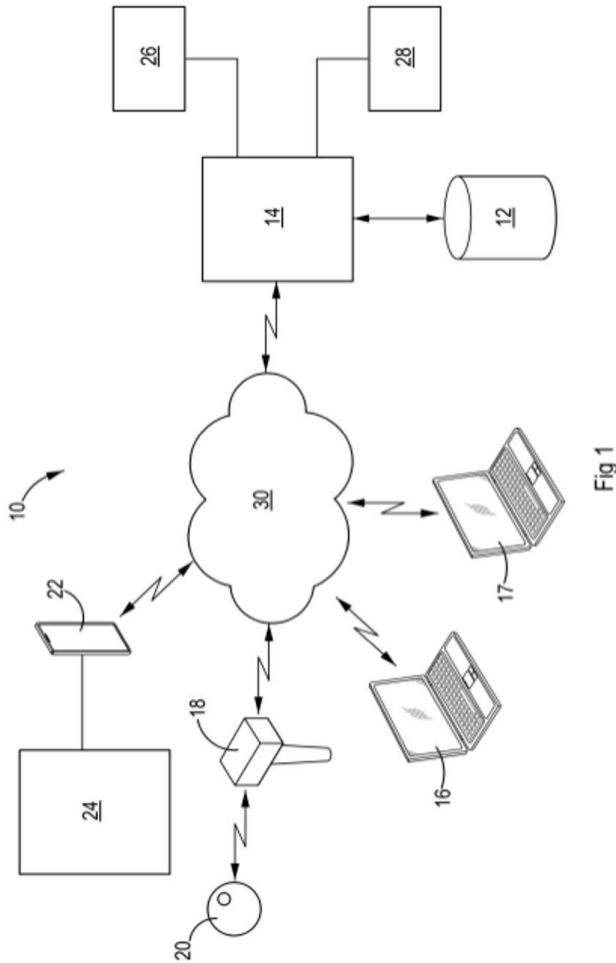


Fig 1

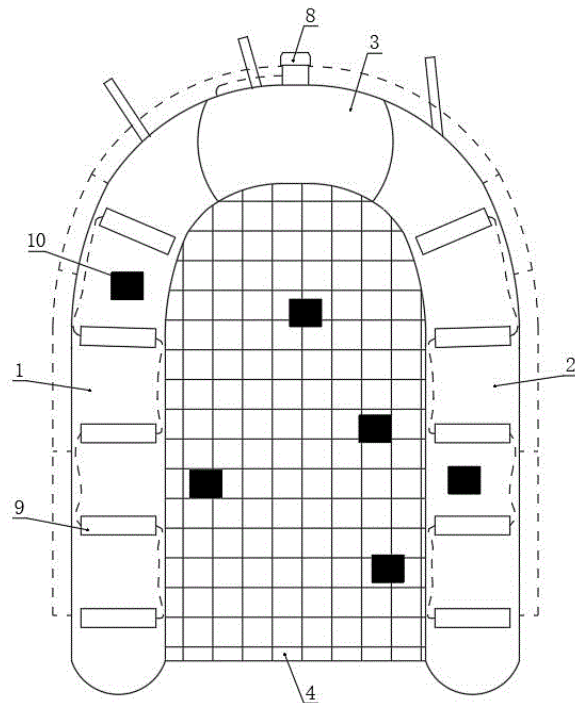
21: 2024/03735. 22: 2024/05/15. 43: 2024/12/06
51: A61G

71: Li Huanting, Li Shuang, Zhao Niping, Zhang Xiaojuan, Li Xingran, Zheng Kaiwen
72: Li Huanting, Li Shuang, Zhao Niping, Zhang Xiaojuan, Li Xingran, Zheng Kaiwen

54: MULTI-FUNCTIONAL U-SHAPED ANTI-DECUBITUS AIR CUSHION

00: -
Disclosed in the present invention is a multi-functional U-shaped anti-decubitus air cushion, including a first lateral air bag, a second lateral air bag and a neck air bag which are connected in sequence, where the first lateral air bag, the second lateral air bag and the neck air bag are connected to form a U shape, and the first lateral air bag, the second lateral air bag and the neck air bag are independent of one another; a medicine pad is arranged between the first lateral air bag and the second lateral air bag; and the first lateral air bag, the second lateral air bag and the neck air bag are

respectively in fluid communication with an inflation apparatus by means of pipelines. By arranging the first lateral air bag, the second lateral air bag and the neck air bag which are independent of one another, when the three air bags are inflated simultaneously, the body of a patient can be raised, parts of shoulders and hips have relatively balanced peak stresses and jointly bear the body pressure, which is beneficial to dispersion of the pressure at catapophysis parts of the body and blood flow, and can reduce the risk of decubitus. When the single lateral air bag is deflated or inflated separately, the air bag assists the patient in turning over.



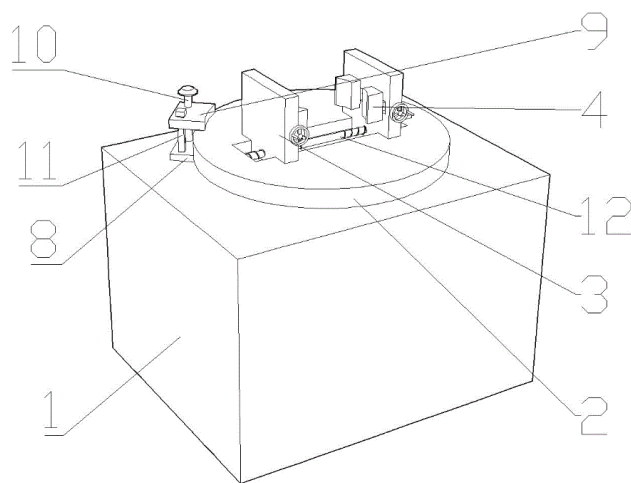
21: 2024/03736. 22: 2024/05/15. 43: 2024/12/23
51: B23Q

71: BaiCheng Normal University
72: CUI Changqing, YANG Chunyan, DONG Xingang, YI Bingqian, YANG Luying, LI Guobin, HUANG Xinrui

54: MACHINING POSITIONING DEVICE

00: -
The invention belongs to the technical field of machining, and provides a machining positioning device, which comprises an adjusting piece capable of switching the unlocking/locking state is arranged on the machine body, the adjusting end of the adjusting piece is connected with the positioning

seat, when the adjusting piece is in the locking state, the positioning seat is fixed relative to the machine body, and when the adjusting piece is in the unlocking state, the positioning seat rotates relative to the machine body; the driving end of the driving piece is connected with the pair of clamping plates to form a pair of clamping plates which are close to or far away from each other, wherein, the sides of the pair of clamping plates which are close to each other are respectively provided with fixing pieces for defining a fixed interval on the clamping plates, and the size of the fixed interval can be adjusted. The invention improves the machining efficiency.



21: 2024/03741. 22: 2024/05/15. 43: 2024/12/18

51: G06F

71: Xinyu University

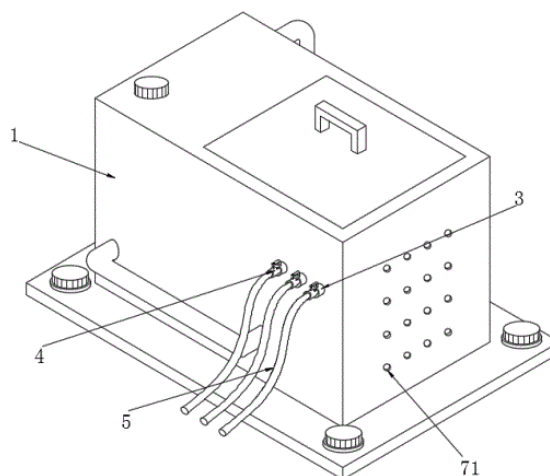
72: Jiang Chunlin, Wu Shilan, Wu Guangsheng, Xiong Jianqiang

54: A COMPUTER SECURITY CONTROLLER BASED ON BIG DATA

00: -

The present invention discloses a computer security controller based on big data, comprising a controller shell and a circuit board set inside the controller shell, said controller shell having a wiring port set in front, said wiring port having a terminal inserted inside it, said terminal having a data cable installed at the end thereof, the present invention relates to the computer security controller technical field. The computer security controller based on big data, through the bump extrusion triangular anti-dislodgement block, and then make the triangular anti-dislodgement block drive the sliding block upward, until the bump moves to the back of the

triangular anti-dislodgement block, at this time in the magnetic frame and the magnetic strip gravitational force under the action of the sliding block to drive the rapid reset, and then achieve the triangular anti-dislodgement block rapid reset, to achieve the restriction block of the bump, and then achieve the stable connection of the wiring head and the junction port to achieve the anti-dislodgement protection of the data line, and achieve the anti-dislodgement protection of the data cable. The anti-dislodgement protection of the data line, avoiding the data line falling off after being pulled by the outside world, which will not affect the data transmission and has high safety in use.



21: 2024/03742. 22: 2024/05/15. 43: 2024/12/18

51: E21B

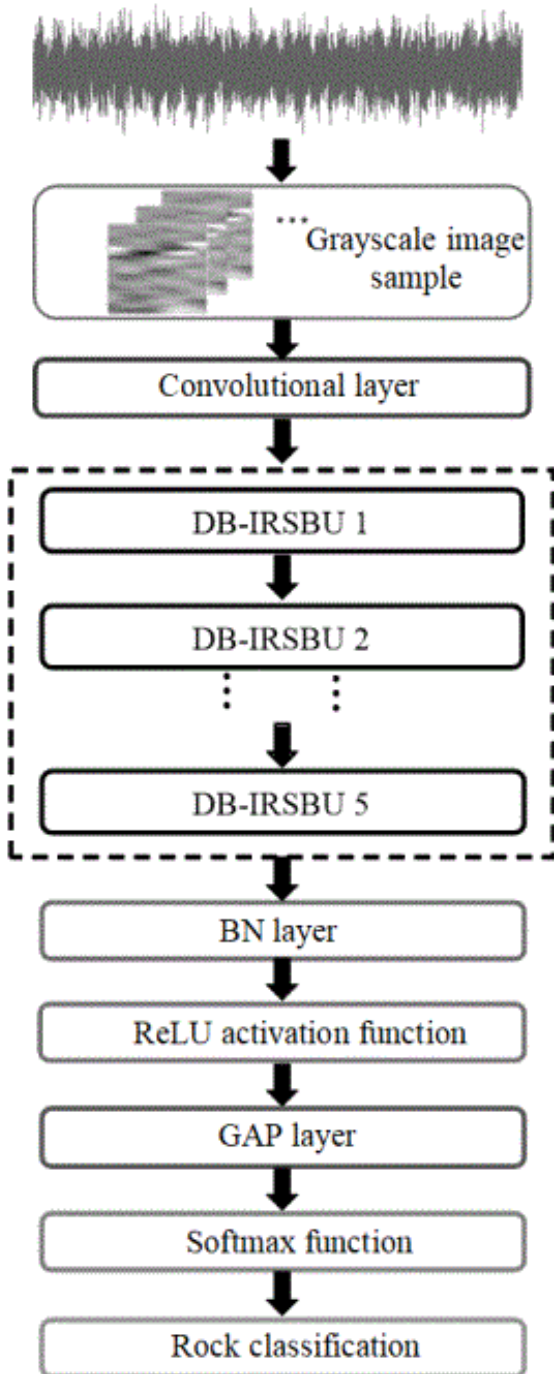
71: Coal Geological Exploration Institute Of Gansu/Gansu mei tan di zhi kan cha yuan, Chongqing Gaowei Zhikuang Technology Co., Ltd
72: Pu Yuanyuan, Liu Lei, Zhang Bailu, Gui Zhen, Li Guangjun, Zhong Nailiang

54: INTELLIGENT RECOGNITION METHOD FOR ROCK FORMATION BASED ON VIBRATION SIGNALS WHILE DRILLING UNDER STRONG NOISE

00: -

The present invention provides an intelligent recognition method for rock formation based on vibration signals while drilling under strong noise, including constructing a dense block-improved deep residual shrinkage network (DB-IDRSN) model, and inputting test set data into the model to obtain classification results of drilled rock formations. On the basis of a DRSN, the present invention combines a semi-soft threshold block (SSTB) and an

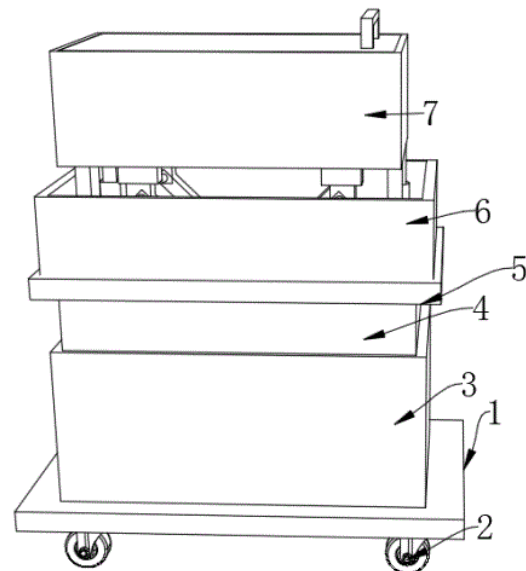
adaptive slope block (ASB) to adaptively set an optimal threshold to eliminate the signal distortion caused by a soft threshold function in the process of noise reduction, and utilizes a DB to construct a new DB-improved residual shrinkage building unit (DB-IRSBU), improving an recognition accuracy of rock formations under strong noise.



21: 2024/03743. 22: 2024/05/15. 43: 2024/12/18
 51: F16M
 71: Xinyu University
 72: Zhong Fulian

54: A COMPUTER SOFTWARE ENGINEERING TEST CONTENT DISPLAY DEVICE

00: -
 The present invention discloses a computer software engineering test content display device, comprising a base, said base having a fixed box fixedly connected to the top of said base, said fixed box having a telescopic box slidingly connected to the inner wall of said fixed box, said telescopic box having a carrier plate fixedly connected to the top of said telescopic box, and said carrier plate having a carrier box fixedly connected to the top of said carrier plate. In this invention, the telescopic box is moved upward through the connecting column, the display box and the display screen are moved upward, the display screen is put inside the mounting seat, the display screen is extruded and mounted through the bolts and the rubber pads, and the mounting seat is rotated by the second motor, so that the viewers in different directions can be satisfied with the viewing.



21: 2024/03761. 22: 2024/05/15. 43: 2024/12/09
 51: A61K; A61P
 71: MEE-HU PHARMA GMBH
 72: SCHMIED, Arnold
 33: DE 31: 10 2021 133 895.6 32: 2021-12-20

54: MEDICINAL COMPOSITION COMPRISING RIBOSE AND AMINO ACIDS

00: -
 The invention relates to a composition for use in a method of treating a bacterial infection selected from a bacterial urinary tract infection, a bacterial respiratory tract infection, a bacterial soft tissue infection and a bacterial bone infection in a patient, the composition comprising ribose and the amino acids glycine, alanine and glutamine in aqueous solution, the method comprising orally administering the composition to the patient additionally treated with an antibiotic.

21: 2024/03771. 22: 2024/05/16. 43: 2025/01/09
 51: G21C; G21D
 71: CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., THIRD QINSHAN NUCLEAR POWER CO., LTD
 72: HE, Shaohua, ZOU, Zhengyu, SHANG, Xianhe, ZHANG, Qianbin, QI, Hongchang, WANG, Zhonghui, LI, Shisheng, WU, Tianyuan, MENG, Zhiliang, FAN, Shen, ZHAO, Xiaoling, SHEN, Jie, XU, Jun, LIU, Xiaonian, ZHANG, Guoli, ZHANG, Wen, LI, Qingshan, WANG, Xuefang, GAO, Jian, SONG, Chunli

33: CN 31: 202311029038.7 32: 2023-08-16
54: METHOD AND DEVICE FOR BLINDLY MEASURING INNER HOLE OF UNDERWATER VERTICAL DEEP HOLE CHANNEL OF HEAVY WATER REACTOR

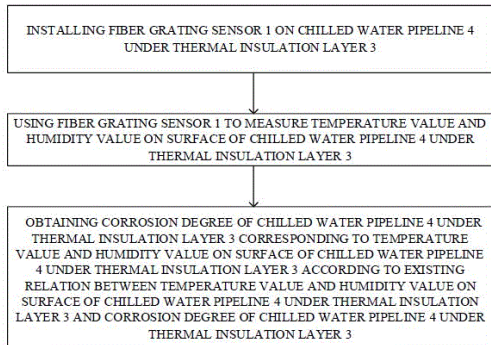
00: -
 The present disclosure provides a method for blindly measuring an inner hole of an underwater vertical deep hole channel of a heavy water reactor, the method including: setting a measurement zero reference plane; establishing a working platform equipped with three datum platforms based on the measurement zero reference plane; establishing an axis system with respect to the measurement zero reference plane on the working platform; measuring a distance between a pre-measurement hole and the measurement zero reference plane; and measuring a diameter of the pre-measurement hole, diameter = outer diameter of certain step of inner diameter gauge. The present disclosure also provides a blind measurement device for an inner hole of an underwater vertical deep hole channel of a heavy water reactor, the device including: a working platform, a measuring scale, a positioning gauge and an inner diameter gauge. The present

disclosure can safely and accurately measure an inner diameter of a vertical deep hole channel of a heavy water reactor in an underwater high-irradiation environment, and can implement high-irradiation, long-distance, and underwater blind measurement of an inner hole of a vertical deep hole channel in a nuclear power heavy water reactor. The present disclosure implements precise contact measurement, has high accuracy, and greatly reduces the irradiation dose of an operator as the operator is kept away from the high-irradiation environment as much as possible.

21: 2024/03772. 22: 2024/05/16. 43: 2025/01/09
 51: G01M; G01N
 71: CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., NUCLEAR POWER QINSHAN JOINT VENTURE CO., LTD.
 72: SHANG, Xianhe, HU, Minglei, ZHANG, Wei, FAN, Pengfei
 33: CN 31: 2023108843550 32: 2023-07-19
54: OPTICAL FIBER-BASED CORROSION MONITORING METHOD AND DEVICE FOR CHILLED WATER PIPELINE UNDER THERMAL INSULATION LAYER

00: -
 The present disclosure particularly relates to an optical fiber-based corrosion monitoring method for a chilled water pipeline under a thermal insulation layer, including: a first step of installing a fiber grating sensor on a chilled water pipeline under a thermal insulation layer; a second step of using the fiber grating sensor to measure a temperature value and a humidity value on a surface of the chilled water pipeline under the thermal insulation layer; and a third step of obtaining a corrosion degree of the chilled water pipeline under the thermal insulation layer corresponding to the temperature value and the humidity value on the surface of the chilled water pipeline under the thermal insulation layer based on an existing relation between the temperature value and the humidity value on the surface of the chilled water pipeline under the thermal insulation layer and the corrosion degree of the chilled water pipeline under the thermal insulation layer. The present disclosure also provides an optical fiber-based corrosion monitoring device for a chilled water pipeline under a thermal insulation layer, and the present disclosure achieves

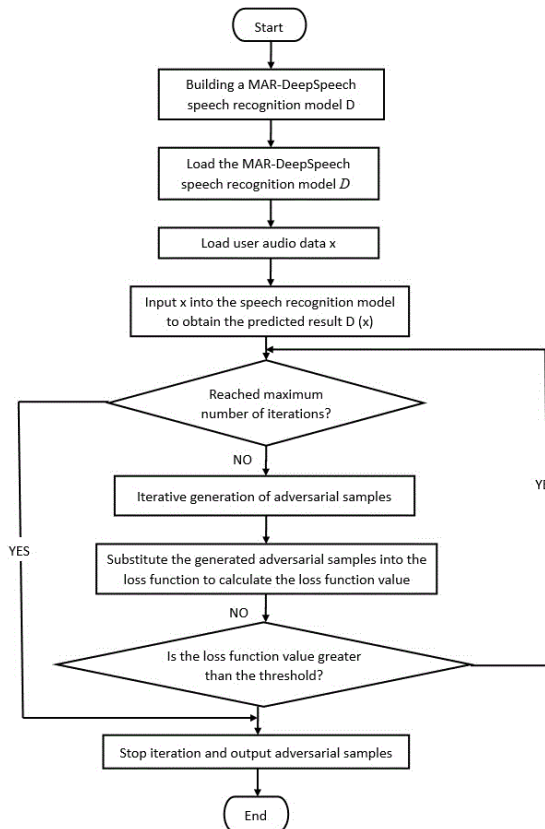
corrosion monitoring for a chilled water pipeline under a thermal insulation layer.



21: 2024/03774. 22: 2024/05/16. 43: 2024/12/06
51: G10L

71: Jiaxing Vocational and Technical College
72: Shuangxi Chen, Fangchao Ma, Huijun Zhu
54: A SPEECH DATA PRIVACY PROTECTION METHOD BASED ON MULTIPLE ATTENTION MECHANISM ADVERSARIAL SAMPLES

00: -
The invention aims to provide an innovative voice data privacy protection scheme, which uses multiple attention mechanism and adversarial sample technology. In real life, the user's voice conversation may be secretly listened to by the voice assistant and transmit the voice data to the server without the user's permission. In order to cope with this problem, the invention proposes a method for constructing a MAR-DeepSpeech speech recognition model. On the basis of DeepSpeech, the model integrates the multi-head self-attention mechanism (MHSA), which significantly improves the feature extraction ability of the model. In addition, the present invention introduces a gradient-based strategy to generate perturbations that are imperceptible to the human ear by constructing a loss function of adversarial samples and iteratively optimizing them. This perturbation is added to the user's private voice data, which, while imperceptible to the human ear, is sufficient to make it impossible for the smart device to properly identify, analyze, and utilize this voice data. As a result, the user's private conversation can still be heard clearly by humans after adding a perturbation, and the user's conversation experience will not be affected. This innovative approach aims to effectively protect users' voice privacy data from being illegally obtained and exploited.

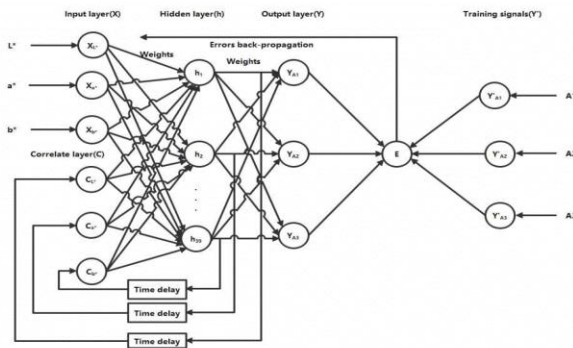
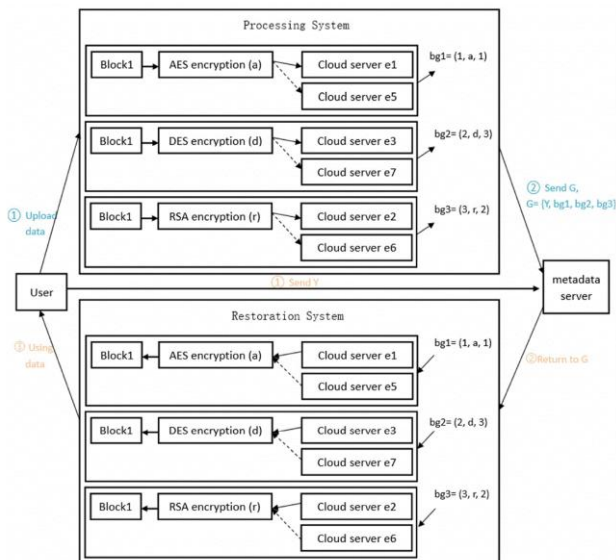


21: 2024/03775. 22: 2024/05/16. 43: 2024/12/06
51: H04L

71: Jiaxing Vocational and Technical College
72: Shuangxi Chen, Xiaodong Wang, Hao Zhu
54: A CLOUD DATA PROTECTION METHOD BASED ON DISTRIBUTED REDUNDANT BACKUP MECHANISM STORAGE

00: -
The invention discloses a cloud data protection method based on distributed redundant backup mechanism storage, which encrypts the data uploaded by the user in blocks, adopts different encryption algorithms for each block, and sends it to different cloud servers for redundant storage according to specific rules after encryption. The generated file processing identification information is sent to the metadata server, and the file processing identification information records the unique characteristics of the data, the block sequence number, the encryption mode and the storage location of each block. When the user uses the data, the system first queries the file processing identification information in the metadata server, extracts the data stored in different cloud servers after identification, and then decrypts it. The data is

stored in different cloud servers and redundantly backed up, and each data block is processed by different encryption methods, which greatly improves the security of cloud data.



21: 2024/03777. 22: 2024/05/16. 43: 2024/12/06
51: H04L

71: Jiaxing Vocational and Technical College
72: Shuangxi Chen, Xiaodong Wang, Chunfang Gao, Huiming Yang

54: AN INTELLIGENT DEDUCTIVE ANTI-CRAWLER DESIGN MODEL BASED ON MARKOV DECISION-MAKING PROCESS

00: -

The present invention discloses an anti-crawler intelligent deductive learning design model, and constructs the anti-crawler as a completely autonomous agent. In the process of interacting with the environment, the agent has the ability to perceive and learn autonomously through the establishment of the MDP model. At the same time, the reinforcement learning process is analyzed, the prediction path is derived, the action is performed on the environment, and the reward value of environmental feedback is used to learn and form an optimal strategy to realize the establishment of the optimal anti-crawler strategy.

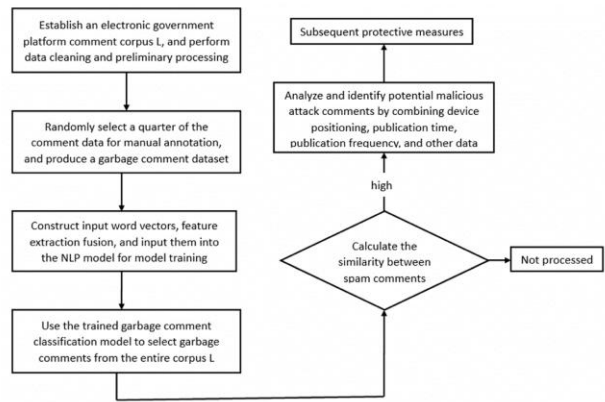
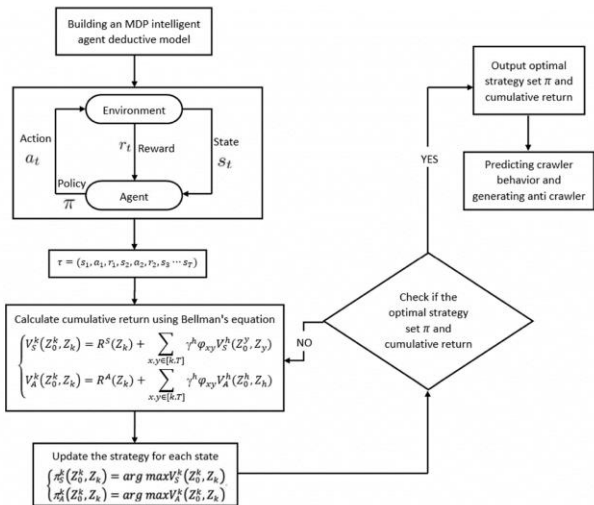
21: 2024/03776. 22: 2024/05/16. 43: 2024/12/06
51: G06T

71: Jiaxing Vocational and Technical College
72: Hui Liu, Shuangxi Chen, Qinfeng Lu

54: A COMPUTER COLOR MATCHING METHOD BASED ON IMPROVED ELMAN NEURAL NETWORK

00: -

The invention discloses a computer color matching method based on improved Elman neural network, which uses the Whale Optimization Algorithm (WOA) and the Levenberg-Marquardt algorithm (LM). Optimize the structure of the Elman neural network, and then use the processed dyeing data (including dye ratio and color value) to input into the neural network, and continuously train the neural network, and only need to enter the required color value to obtain the dye ratio when applying. This method takes advantage of the advantages of neural network to deal with nonlinear problems, and uses WOA and LM algorithms to optimize the global stability of the network, which can accelerate the convergence speed of the neural network model, improve the color matching accuracy and generalization ability, and optimize the dyeing and color matching effect.



21: 2024/03778. 22: 2024/05/16. 43: 2024/12/06
51: H04L

71: Jiaxing Vocational and Technical College
72: Shuangxi Chen, Hui Liu, Jing Wu

54: A METHOD FOR IDENTIFYING MALICIOUS SPAM COMMENT ATTACKS BASED ON NATURAL LANGUAGE PROCESSING

00: -
The present invention discloses a malicious comment spam attack identification method based on natural language processing (NLP). The purpose of this method is to analyze the potential threat and main purpose of spam comments in e-government platforms by using Entity and Relation Extraction (ERE) and keyword extraction to analyze the potential threat and main purpose of their contents. Time and other correlation analysis to find out the potential threat of spam attacks, and deal with and remove them, so as to detect and stop malicious spam attacks on the e-government platform in a timely manner and ensure the data security on the platform.

21: 2024/03781. 22: 2024/05/16. 43: 2024/12/09
51: A23B

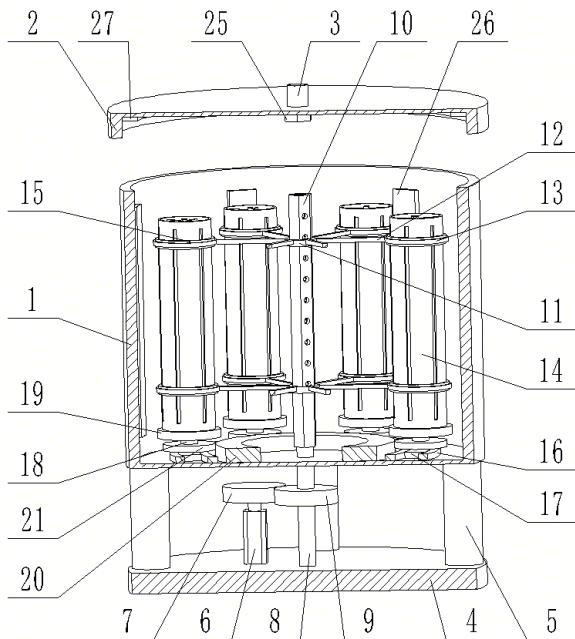
71: Hunan University of Humanities, Science and Technology
72: LIU Zefa, JIANG Yanfang

33: CN 31: 202410451319X 32: 2024-04-15

54: VEGETABLE PROCESSING DEVICE CONVENIENT FOR VEGETABLE DEHYDRATION

00: -
The invention discloses a vegetable processing device convenient for vegetable dehydration, which comprises a dehydration barrel, wherein a heating element is fixedly installed on the inner wall of the dehydration barrel, and the top end of the dehydration barrel is buckled with a barrel cover; an exhaust pipe is fixedly installed on the barrel cover, and an end of the exhaust pipe far away from the barrel cover is communicated with an air suction pump, and the air suction pump makes the inside of the dehydration barrel in a negative pressure state through the exhaust pipe; the bottom end of the dehydration barrel is fixedly provided with a support assembly which is used for supporting the dehydration barrel; a containing mechanism is slidably arranged inside the dehydration barrel, and the containing mechanism is used for containing vegetables to be dehydrated; a driving assembly is fixedly installed on the support assembly, and the output end of the driving assembly extends into the dehydration barrel and is in transmission fit with the containing mechanism. According to the invention, a sealed space is formed in the dehydration barrel through the barrel cover, the containing mechanism is driven to slide in the dehydration barrel through the driving assembly, and the dehydration barrel is in a negative pressure state through the air pump, so that the moisture in vegetables can be better

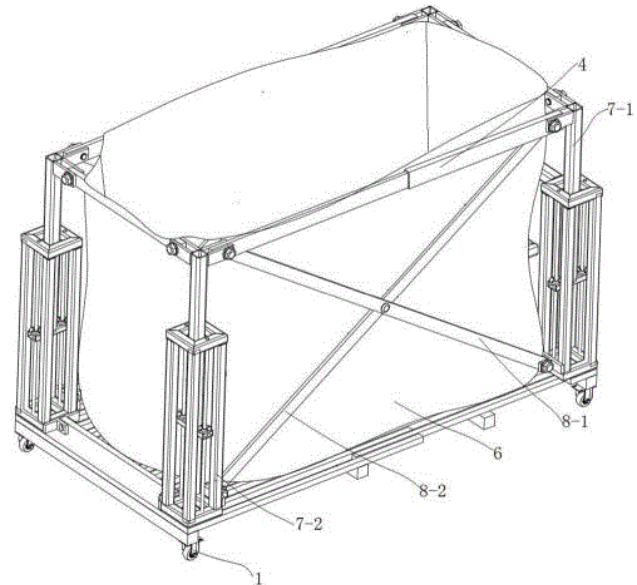
removed, and the purpose of improving the dehydration efficiency of vegetables is achieved.



21: 2024/03782. 22: 2024/05/16. 43: 2024/12/09
 51: A47K
 71: CHANGZHOU INSTITUTE OF TECHNOLOGY
 72: TIAN Wentong
54: ADJUSTABLE DYNAMIC BATH TUB
 00: -

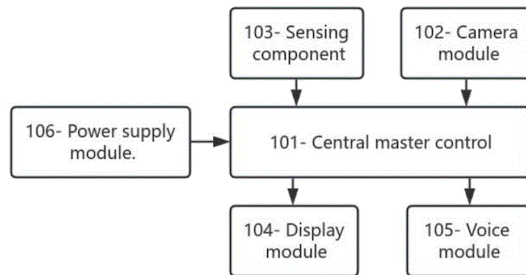
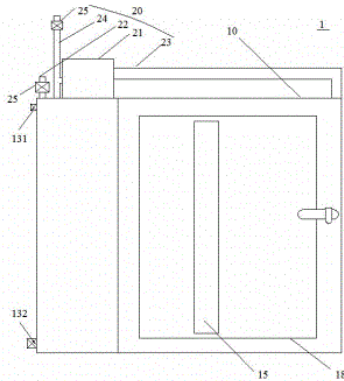
The invention discloses an adjustable dynamic bath tub, belonging to that field of bath tub. The invention relates to an adjustable dynamic bath tub, which comprises a soft cylinder body and an outer frame for placing the soft cylinder, wherein the outer frame includes a telescopic bottom plate that can be extended and retracted in the left and right direction, and rollers are installed at four corners of the lower surface of the telescopic bottom plate; the telescopic bottom plate is driven by the cylinder; telescopic columns are fixedly arranged at the four corners of the upper surface of the telescopic bottom plate; the upper ends of the front and rear telescopic columns are fixedly connected through a transverse beam; the upper ends of the left and right telescopic columns are connected by telescopic longitudinal beams, and the left and right telescopic columns are connected by a first X-shaped lifting frame; the four sides of the cylinder opening of the soft cylinder are respectively fixedly connected with two telescopic

longitudinal beams and two transverse beams. The invention has simple structure, convenient connection, and can realize arbitrary switching between lying bathing, sitting cleaning and standing cleaning under the condition of keeping the water quantity unchanged, so as to realize three functions of one water and more flexible use.



21: 2024/03783. 22: 2024/05/16. 43: 2024/12/09
 51: B09B
 71: Xinyu University
 72: HUANG, Jianhua, WANG, Fahui, HUANG, Ping, LUO, Yinqi, LI, Jianmin, DONG, Cong, DUAN, Rui, XIONG, Ziyong
54: PHOTOVOLTAIC MODULE RECOVERY APPARATUS
 00: -

The present invention discloses a photovoltaic module recovery apparatus, and relates to the technical field of photovoltaic module recovery, which includes a box body and an air supply assembly. The box body has an air cavity, a heating cavity, and a heat exchange filtering cavity which are juxtaposed in sequence. A heating part is provided in the heating cavity, and an observation window is provided on a side wall of the heating cavity. The air cavity is communicated with the heating cavity via air inlet holes, the heating cavity is communicated with the heat exchange filtering cavity via an air collecting pipe, and a filtrate is provided in the heat exchange filtering cavity. The air supply assembly includes an air pump, an air inlet pipe, an air blow pipe, and a cooling pipe.

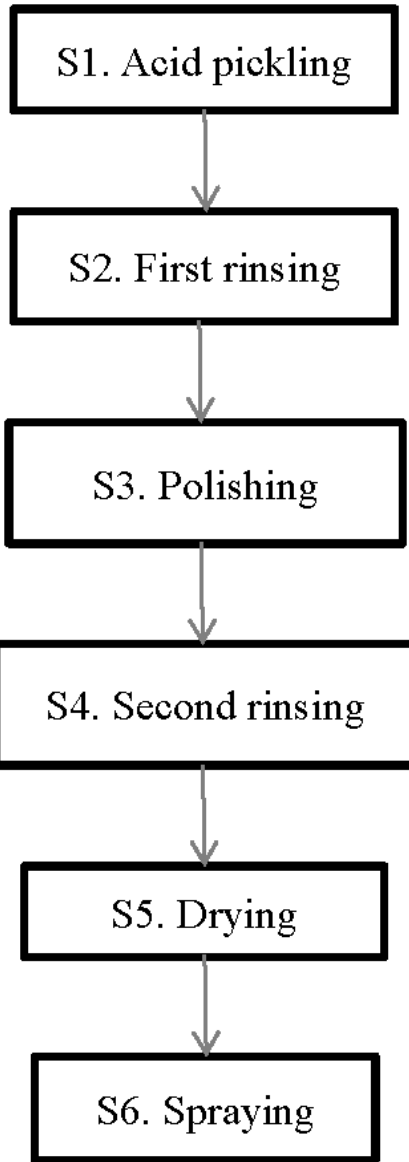


21: 2024/03785. 22: 2024/05/16. 43: 2024/12/06
 51: A61H
 71: Hunan Agricultural University
 72: SHEN, XIN, XIE, JUNJIE, PENG, JUNWEI
 33: CN 31: 202410294047.7 32: 2024-03-14
54: A GUIDE HANDCART AND GUIDE METHODS
 00: -

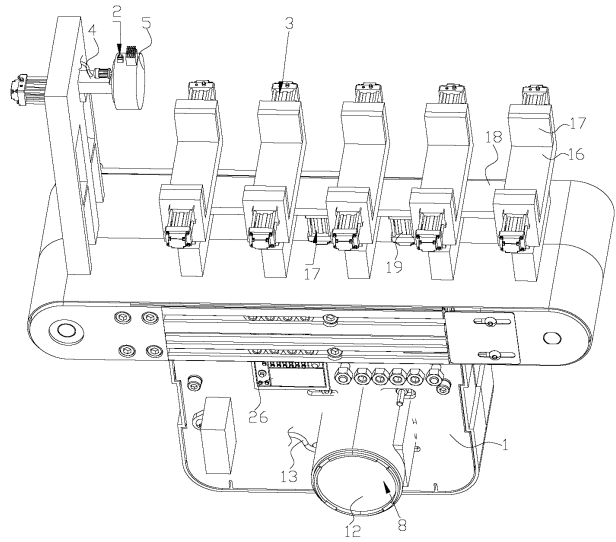
The present application relates to a guide handcart and a guide method. The guide handcart comprises a central master control, a camera module, a sensing component, a display module, and a voice module. The camera module captures the realistic situation of the road surface and sends the image data of the road surface to the sensing component; the sensing component receives the image data sent by the camera module, detects and analyzes the position of the blind roads and obstacles in the image data, and sends the analyzed data to the central master control; the central master control receives the analyzed data sent by the sensing component, and the high-performance edge computing processing core in the central master control calculates the position information of blind roads and obstacles in the realistic situation of road, and sends the position information of blind roads and obstacles to the voice module and display module; the voice module receives the location information of the blind roads and obstacles sent by the central master control, broadcasts and prompts the user to avoid obstacles in real time; the display module receives the image data with the location information of blind roads and obstacles sent by the central master control, and displays the actual road conditions.

21: 2024/03786. 22: 2024/05/16. 43: 2024/12/10
 51: C21C
 71: ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD.
 72: ZHANG, Guangjin, DENG, Zhijian, ZHANG, Ting, LEI, Zhishen
54: SURFACE TREATMENT PROCESS FOR SEAMLESS STEEL PIPES
 00: -

Disclosed is a surface treatment process for seamless steel pipes, including the following steps: S1: soaking a seamless steel pipe in an acid pickling solution; S2: taking the seamless steel pipe out from the acid pickling solution and rinsing surface stains with high-pressure clear water; S3: polishing the seamless steel pipe to ensure a smooth surface; S4: lifting one end of the seamless steel pipe and rinsing impurities on the polished seamless steel pipe with clear water; S5: tilting the seamless steel pipe to drain water for 4-5 minutes, and blowing water on the surface of the seamless steel pipe with hot air; and S6: spraying an anti-corrosion coating to the surface of the seamless steel pipe and drying the seamless steel pipe at a temperature of 80-100°C for 90-120 minutes. By soaking in the acid pickling solution to strip impurities and then rinsing away impurities such as oxide scale and rust adhering to the surface of the seamless steel pipe with high-pressure clear water, the efficiency of surface treatment for the seamless steel pipe is improved. The seamless steel pipe is polished in the presence of residual water to prevent polished impurities from flying to contaminate an entire workshop.



moving seat driven to connect to the base in a lateral sliding manner, where the out-of-roundness measurement mechanism is arranged on the moving seat; a rotating block, a chamber I being formed inside the rotating block, and a chamber II being formed on the dust absorption block; and a dust absorption member. Testing the inner wall of the steel pipe after cleaning can reduce the situation that a probe is pushed by particles on the inner wall of the steel pipe, thereby improving the accuracy of measurement on out-of-roundness.

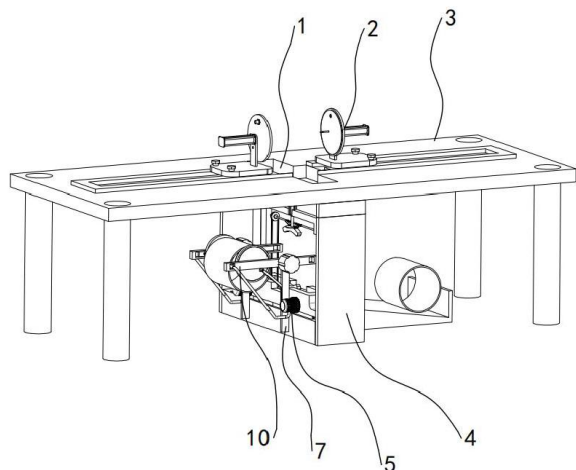


21: 2024/03787. 22: 2024/05/16. 43: 2024/12/10
 51: C21C; E03B
 71: ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD.
 72: DENG, Zhijian, FANG, Dewei, ZHANG, Guangjin, HE, Yan
54: STEEL PIPE OUT-OF-ROUNDNESS MEASUREMENT DEVICE AND METHOD
 00: -
 The present invention relates to a steel pipe out-of-roundness measurement device and method, including: a base, an out-of-roundness measurement mechanism, and a clamping mechanism arranged on the base, the clamping mechanism being capable of clamping a steel pipe, and further including: a

21: 2024/03788. 22: 2024/05/16. 43: 2024/12/10
 51: G01N
 71: ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD.
 72: FANG, Dewei, DENG, Zhijian, ZHANG, Kai, ZHANG, Jingjing
54: PRESSURE TESTING DEVICE FOR STEEL PIPE PRODUCTION
 00: -

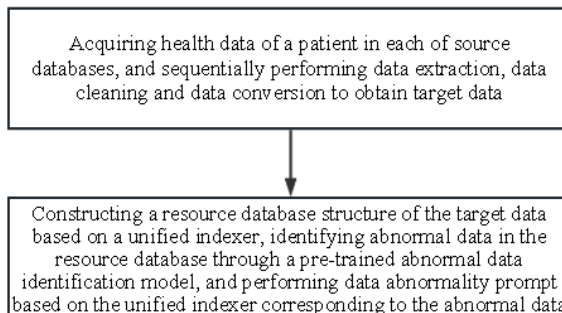
Disclosed is a pressure testing device for steel pipe production, including a workbench and a pressure regulating assembly fixed thereon. A base is arranged below the workbench, and the workbench is provided with a through hole at the base to feed and discharge a steel pipe; a bracket is arranged on one side of the base, a support block is rotatably arranged on the bracket, the support block is provided with a chute, and a support member is connected to the chute in a sliding manner; a lifting assembly is arranged on the base, and a support seat is arranged on the lifting assembly; and the

lifting assembly is driven to drive the support seat to move back and forth in a height direction of the workbench. Traditionally, when steel pipes required for pressure test are carried, it is time-consuming and labor-intensive, and some safety hazards occur.



21: 2024/03790. 22: 2024/05/16. 43: 2024/12/10
 51: H04L; H04N
 71: GUIZHOU YUPIN SLEEP HEALTH INDUSTRY CO., LTD
 72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang
54: HEALTH DATA MANAGEMENT METHOD
 00: -
 The present invention discloses a health data management method, which is applied to the field of data processing technology. The method comprises: acquiring health data of a patient in each of source databases, and sequentially performing data extraction, data cleaning and data conversion to obtain target data; and constructing a resource database structure of the target data based on a unified indexer, identifying abnormal data in the resource database through a pre-trained abnormal data identification model, and performing data abnormality prompt based on the unified indexer corresponding to the abnormal data. According to the present invention, the historical health data of the patient can be quickly, simply and completely acquired, and the abnormal data in the daily management process of the data can be accurately identified. Meanwhile, the resource database structure based on the unified indexer, that is, using the unified indexer to replace data transmission and loading, effectively reduces the load of data

transmission while reducing the workload of the abnormal data identification model, reducing the difficulty of abnormal data identification and simplifying the data management process.



21: 2024/03791. 22: 2024/05/16. 43: 2024/12/10
 51: C04B
 71: YANTAI UNIVERSITY
 72: Baolong XU, Haiyan SUN, Dezhong CAO
54: CONCRETE ADDITIVE AND ITS PREPARATION METHOD AND APPLICATION

00: -
 The present invention belongs to the technical field of chemical building materials and discloses a concrete additive and its preparation method and application. The preparation method of the invention includes the following steps: mixing citric acid, glycerol and ethylene glycol, and performing an esterification reaction by adopting gradient elevation of temperature, Cooling to below 100°C, and obtaining an intermediate product; mixing the intermediate product, potassium bicarbonate and water to obtain a concrete additive. The present invention realizes the polycondensation dehydration of intermolecular carboxyl and hydroxyl groups by increasing the reaction temperature with a gradient, and the organic small molecules can be esterified to form macromolecules with spatial network structure. The obtained concrete additive has both a water-reducing effect and a concrete-strengthening effect; moreover, the use of alkaline substances to neutralize unreacted acids reduces the corrosion of organic acids to building materials. Meanwhile, the raw material of the invention is simple, green and non-toxic, and there is no discharge of three wastes in the production process, which has the characteristics of green production.

21: 2024/03792. 22: 2024/05/16. 43: 2025/01/02
51: A61D

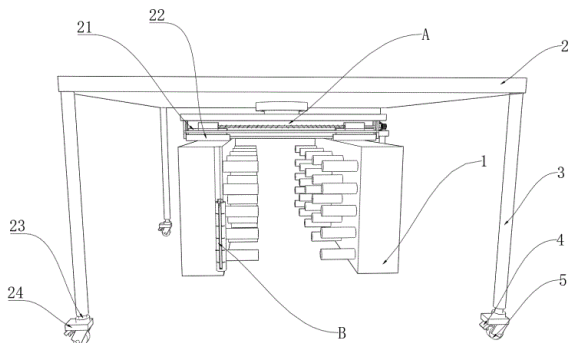
71: Zhangye Xinshanhu Agriculture and Animal Husbandry Development Co., Ltd.

72: Wei Yubing, Shan Huajia, Liu Yanfu

54: A KIND OF FIXER FOR LIVESTOCK AND VETERINARY LIVESTOCK INFUSION

00: -

The present invention discloses a kind of fixer for livestock and veterinary livestock infusion, comprising a bracket plate, a carrier column fixedly connected to the middle of the bottom of said bracket plate, a first connecting column rotationally connected to the bottom of the outer ring of said carrier column, and a first connecting plate fixedly connected to the bottom of the outer ring of said first connecting column. In the present invention, the livestock can be made unable to move under the control of the fixture, so that the livestock can be comprehensively restricted and fixed to avoid the phenomenon of accidental movement of the livestock during the infusion of the livestock, and the whole equipment can be moved at will and can clamp the livestock in any direction of the body, and the use of the equipment is more flexible.



21: 2024/03793. 22: 2024/05/16. 43: 2025/01/02
51: G06F

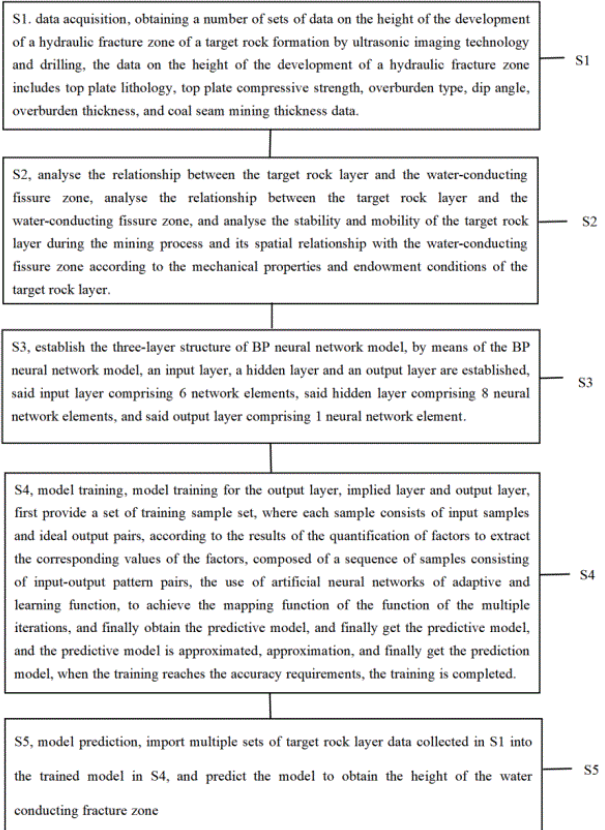
71: Huating Coal Group Co., Ltd., North China Institute of Science and Technology, Beijing Window Technology Co., Ltd.

72: Shangguan Kefeng, Li Xuandong, Yan Lin, Zhao Xudong, Song Zhihong, Li Xuejun, Wang Qianghua, Hao Jun, Wang Jianli, Huang Yuanjian, Niu Shiquan, Li Yongjun, Guo Jingzhong, Liu Yude, Yang Yuanzhong

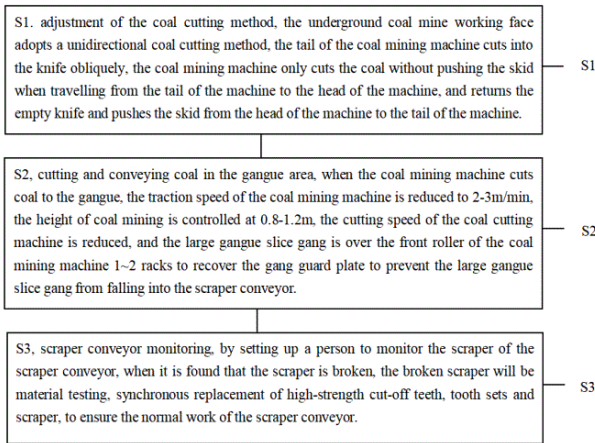
54: A METHOD FOR PREDICTING THE HEIGHT OF A HYDRAULIC FRACTURE ZONE

00: -

The present invention discloses a method for predicting the height of a hydraulic fracture zone, which relates to the field of early warning technology for water-retaining coal mining; whereas the present invention comprises S1 data acquisition, S2 analysing the relationship between the target rock formation and the water-conducting fissure zone, S3 establishing a three-layer structure of a BP neural network model, S4 model training, S5 model prediction; in the present invention, the height of the water-conducting fissure zone is predicted through S1-S5, and the feature parameters and conclusion parameters of the BP neural network model are used in the process to have uniqueness, so the results of the established inference method for the height of the development of the water-conducting fissure zone have uniqueness, and by selecting the six influencing factors, namely, the top plate lithology, the top plate compressive strength, the type of overburden rock of degree, the inclination angle, the overburden rock thickness, and the mining thickness of the coal seam, the BP neural network model based on nonlinear theory is used to predict the development height of the hydraulic fracture zone in the mine, which improves the accuracy of the prediction results.



and in the process, the scraper conveyor and support real-time monitoring, detection, avoiding damage to the consumables of the scraper conveyor or support abnormalities triggered by the occurrence of accidents in the working face of the coal mine over the clip gang, to reduce the risk coefficient of the coal mining working face over the clip gang, through the adjusting mechanism and the fixing mechanism, so that the fixing plate by the Through the adjusting mechanism and fixing mechanism, the angle presented by the fixing plate is matched with the uneven ground of the coal mine, and the height of the arc surface support top plate is adjusted, so that the support is suitable for different environments of the coal mine, and the top wall of the coal mine is supported, so as to improve the flexibility of the support.



21: 2024/03794. 22: 2024/05/16. 43: 2025/01/02
51: E21C

71: Huating Coal Group Co., Ltd., North China Institute of Science and Technology, Beijing Window Technology Co., Ltd.

72: Wanyan Xiaoliang, Li Xuandong, Xue Zaijun, Xue Qingyang, Xie Tianguai, Wang Zhen, Liu Ping, Deng Jing, Chen Na, Li Yongjun, Guo Jingzhong, Liu Yude, Yang Yuanzhong

54: A METHOD FOR UNDERGROUND COAL MINE WORKING FACE OVER ENTRAPMENT GANGUE

00: -
The present invention discloses a method for underground coal mine working face over entrapment gangue, relates to the field of coal mining technology; and the present invention includes the adjustment of the S1 coal cutting method, the cutting and coal transmission of the S2 entrapment gangue area, and the monitoring and control of the S3 scraper conveyor; in the present invention, through the S1-S3 over Clip gang method, in order to reduce the traction speed of the coal mining machine, the coal cutting speed, reduce the speed of the scraper conveyor coal transmission,

21: 2024/03828. 22: 2024/05/17. 43: 2024/12/09
51: A01H

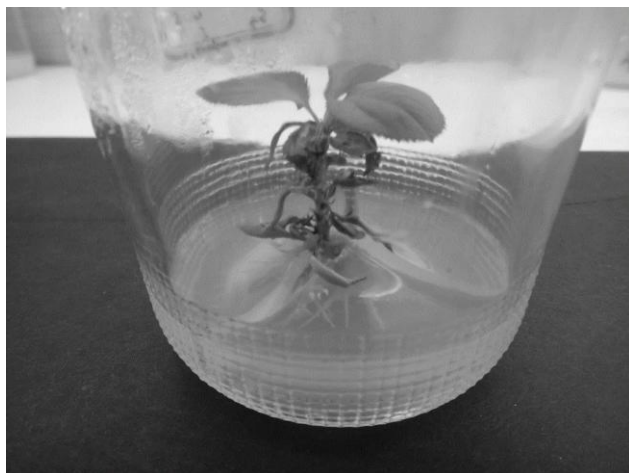
71: JINLING INSTITUTE OF TECHNOLOGY, Nanjing Forestry University, Nanjing Zhulu Jingguan Engineering Co., Ltd.

72: FAN Junjun, MA Jingze, HUANG Jun, ZAI Xueming, JIN Yaqin, ZHANG Wangxiang, XIA Chongli

33: CN 31: 2023113171981 32: 2023-10-12
54: METHOD FOR ESTABLISHING EFFICIENT RAPID PROPAGATION SYSTEM OF M. 'BAIYUN' STEM SEGMENT

00: -
The invention discloses a method for establishing an efficient rapid propagation system of the M. 'Baiyun' stem segment, which comprises the following steps: selecting explants, sterilising the explants to obtain sterilised explants, inoculating the sterilised explants

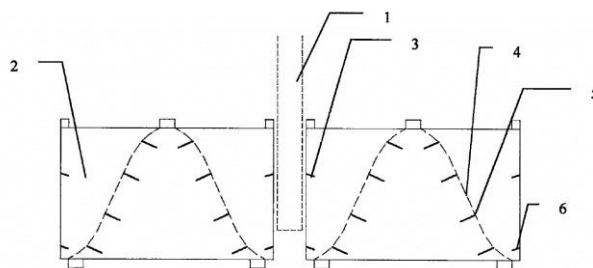
to a bud induction medium for culture to obtain a culture medium, taking out induced buds from the culture medium based on aseptic conditions, inoculating the induced buds to a rooting medium for rooting culture to obtain rooted seedlings, and hardening and transplanting the rooted seedlings to obtain transplantable crabapple seedlings. The method of the invention can greatly shorten the asexual propagation period of crabapple, improve the propagation coefficient, and solve the problems of difficult tissue culture and easy browning of ornamental crabapple progeny. The tissue culture seedlings cultivated by the invention have the characteristics of high genetic stability, strong roots and stems, healthy and nontoxic seedlings and the like; The invention shortens the whole culture period, greatly saves the cost of time, manpower and material resources, and the transplanting survival rate of cultured seedlings can reach more than 95 percent.



21: 2024/03829. 22: 2024/05/17. 43: 2024/12/09
 51: B02C
 71: MACHINERY TECHNOLOGY DEVELOPMENT CO., LTD.
 72: WANG Tao
 33: CN 31: 202310637798X 32: 2023-05-31
54: TURNING DRUM ASSEMBLY CAPABLE OF SYNCHRONOUSLY REALIZING TURNING AND CRUSHING FUNCTIONS

00: -
 A turning drum assembly capable of synchronously realizing the turning and crushing functions used in a tank type or tunnel bin composting system is provided. Through the special design of the cutter teeth on the turning drum, combined with the rotating

speed of the turning drum, the functions of tipping, stirring, homogenizing, loosening and crushing can be realized simultaneously in the turning process, so as to improve the particle size distribution state of materials and improve the composting effect. The assembly includes a transmission support arm 1, turning drums 2, inner edge cutter teeth 3, root base lines 4, main cutter teeth 5 and outer edge cutter teeth 6.



21: 2024/03830. 22: 2024/05/17. 43: 2024/12/09
 51: B28C
 71: CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO.,LTD
 72: ZHANG, Xinlong, WANG, Yang, WANG, Xueli, LIANG, Feng, LIU, Qingdong
 33: CN 31: 202311540691.X 32: 2023-11-18
54: SOLID WASTE-BASED COMPOSITE INSULATION MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF
 00: -

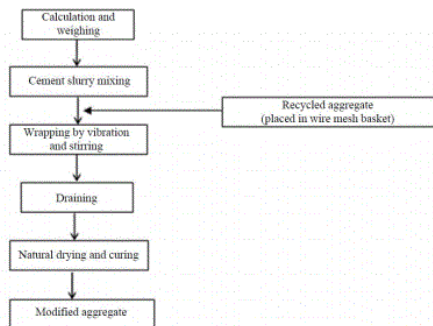
The present invention falls within the technical field of insulation materials, and provides a solid waste based composite insulation material and a preparation method and application thereof. The present invention uses the mutual combination of cement and other raw materials to form a strong structure; by adding coal gangue powder, the toughness and durability of the material are improved, the production cost is reduced, and the industrial solid waste is effectively used. By adding desulfuration gypsum, the purpose of hardening is achieved; the addition of waste rubber powder can improve the flexibility and flame retardancy of polystyrene particle insulation materials. By adding shell, the porosity of the material can be increased and the thermal insulation property can be improved. The addition of polyphenyl particles can improve the thermal insulation performance and reduce the material weight.

21: 2024/03831. 22: 2024/05/17. 43: 2024/12/09
 51: C04B
 71: CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO., LTD
 72: ZHANG, Xinlong, HUANG, Liang, WANG, Qinghe, WANG, Xueli, LIANG, Feng, LIU, Qingdong, WANG, Yang

33: CN 31: 202311541950.0 32: 2023-11-20

54: MODIFIED WASTE BRICK RECYCLED AGGREGATE, PREPARATION METHOD THEREOF, RECYCLED AGGREGATE PERMEABLE BRICK, AND RECYCLED AGGREGATE CONCRETE BLOCK

00: -
 A modified waste brick recycled aggregate, a preparation method thereof, a recycled aggregate permeable brick, and a recycled aggregate concrete block are provided, relating to the technical field of building materials. The modified waste brick recycled aggregate includes waste brick particles and a wrapping layer that wraps surfaces of the waste brick particles. Raw materials for preparing the wrapping layer include cement. A mass ratio of the waste brick particles to the cement is 0.1-0.2:0.2-0.35. By modifying the waste brick particles with the cement, the water absorption of the waste brick particles is reduced while the apparent density and bulk density of the waste brick particles are improved. The results of examples show that the modified waste brick recycled aggregate, which has absorbed water for 1 h, has a water absorption of 12.5-19.6 percent, an average crushing index of 26-29 percent, and an average void fraction of 44-46 percent.



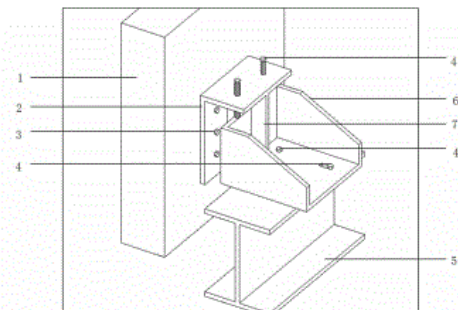
21: 2024/03832. 22: 2024/05/17. 43: 2024/12/09
 51: E04B
 71: CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO., LTD

72: WANG, Xueli, ZHANG, Xinlong, LIANG, Feng, WANG, Qinghe, SUI, Weining, WANG, Zhanfei, WANG, Yang, LIU, Qingdong

33: CN 31: 202311027105.1 32: 2023-08-15

54: CONNECTING STRUCTURE FOR PRECAST FACADE PANEL AND FABRICATED STEEL FRAME BEAM

00: -
 A connecting structure for a precast facade panel and a fabricated steel frame beam is disclosed, including a first connecting member and a second connecting member. The first connecting member includes an angle steel and a central steel plate. The second connecting member includes a load-bearing connecting plate inserted in an insertion groove. A part of the load-bearing connecting plate connected to the fabricated steel frame beam is provided with first circular holes and waist-shaped holes. The first circular holes are provided near the angle steel, and the waist-shaped holes are provided away from the angle steel. The fabricated steel frame beam is provided with second circular holes corresponding to the first circular holes and is fixed by bolts. The fabricated steel frame beam is provided with third circular holes. A diameter of the third circular hole is not greater than a minimum diameter of the waist-shaped hole.



21: 2024/03833. 22: 2024/05/17. 43: 2024/12/09
 51: E04B
 71: Harbin Institute of Technology, CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO., LTD

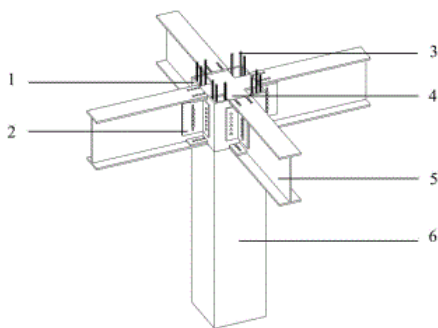
72: ZHANG, Xinlong, ZHANG, Wenyuan, WANG, Qinghe, BAO, Xu, WANG, Xueli

33: CN 31: 202311552089.8 32: 2023-11-20

54: CONNECTING JOINT FOR FULLY FABRICATED COAL GANGUE CONCRETE COLUMN AND STEEL BEAM

00: -

A connecting joint for a fully fabricated coal gangue concrete column and a steel beam is disclosed, including a beam-column connecting sleeve and a precast steel beam, which are both precast in advance in a factory and can be machined and assembled on site. A steel skeleton is contained in an inner cavity of the beam-column connecting sleeve, and cross-shaped diaphragms are embedded on both upper and lower sides of the beam-column connecting sleeve. Extending steel bars of a precast coal gangue concrete column pass through four inner corner gaps of the beam-column connecting sleeve, and coal gangue concrete is then poured to be molded by vibration. Upper and lower flanges of the precast steel beam are fixedly connected to the cross-shaped diaphragms. Both sides of a web of the precast steel beam are fixedly connected to the outer side of the beam-column connecting sleeve through angle steels.



21: 2024/03834. 22: 2024/05/17. 43: 2024/12/09
51: B65G

71: Ningxia Tiandi Northwest Coal Machinery Co., Ltd., National Energy Group Ningxia Coal Industry Co., Ltd., Chuanqing Drilling Engineering Co., Ltd. Changqing Drilling General Company

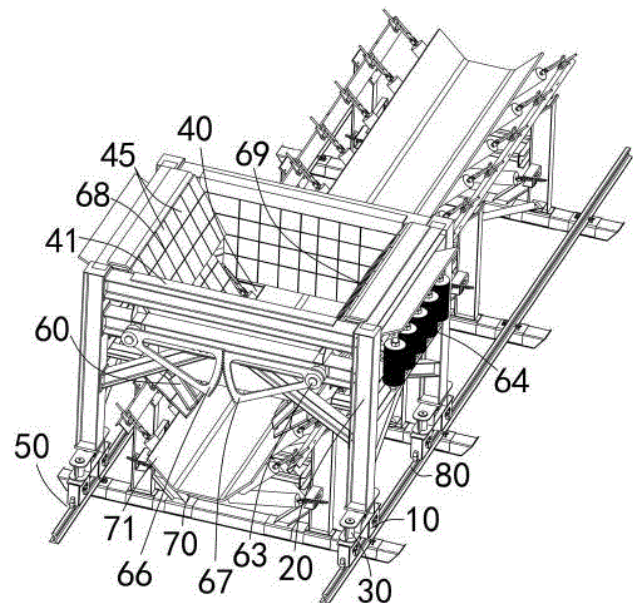
72: WANG Zhangui, MA Yue, GU Wang, LUO Tingfeng, ZHANG Fenyong, FENG Baozhong, SU Xiaoping, WU Tao, LIU Zengjie, SHENG Weiqing, GAO Xinfei

54: MULTI-POINT RECEIVING DEVICE FOR BULK MATERIALS MATCHED WITH BELT CONVEYOR

00: -

The multi-point receiving device for bulk materials matched with belt conveyor. The receiving vehicle is equipped with a traveling mechanism with a normally closed brake structure to move in coordination with the conveyor track, which meets the requirements of

multi-point receiving. The front material receiving plate, the rear material receiving plate, the first left material receiving plate, the first right material receiving plate, the second left material receiving plate and the second right material receiving plate are provided with spliced wear-resistant plates, which can not only bear the impact of large and hard substances on the material receiving vehicle, but also is convenient to replace; the longitudinal hourglass-shaped structure of the front receiving plate, the rear receiving plate, the first left receiving plate and the first right receiving plate, and the second left receiving plate and the second right receiving plate form a horn-closing mode along the running direction of the conveyor belt, which can effectively buffer and guide materials and avoid damage to the conveyor belt; an elastic piece is installed between the traveling mechanism and the carriage body as a primary buffer, and the second left receiving plate and the second right receiving plate are subjected to the moment of the heavy hammer assembly and the first metal spring to form a secondary buffer with a relatively open-close structure, thus further avoiding the damage to the conveyor belt.



21: 2024/03835. 22: 2024/05/17. 43: 2024/12/09
51: F16M

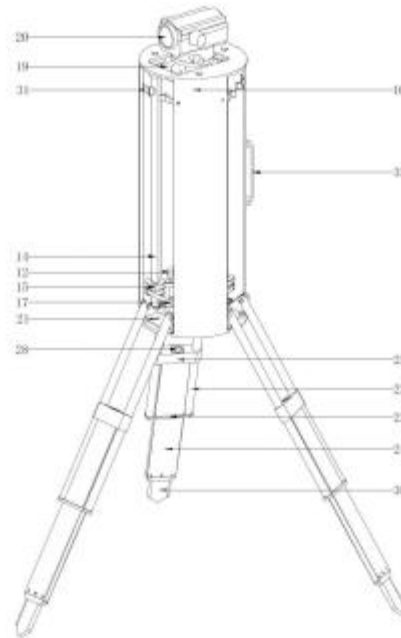
71: CHUZHOU UNIVERSITY

72: Wang Zongfei, Su Zihao, Jiang Ling, Qi Xiaorui

54: A GEOGRAPHIC INFORMATION COLLECTION AND SURVEYING DEVICE

00: -

The present invention discloses a geographic information collection and surveying device, which relates to the technical field of surveying and mapping instruments, including a cylindrical shell, a surveying and mapping instrument, a lifting structure, and a supporting structure. The lifting structure includes an installation shaft, a screw rod, and a lifting plate. The installation shaft is centered and rotatably connected to the inner side of the cylindrical shell, and the screw rod is provided with several screws that are uniformly rotationally connected to the inner side of the cylindrical shell. The lifting plate is horizontally set between all screw levers, and the surveying and mapping instrument is installed on the upper side of the lifting plate. There is a belt transmission between the installation shaft and the screw lever; The supporting structure includes a hinged seat, on which a pair of supporting rods are hinged and connected to a connecting frame at one end of the supporting rods away from the hinged seat. The connecting frame is slidably connected to a supporting leg, which is equipped with a stopper at one end near the hinged seat and a metal soil insert at the other end away from the hinged seat. The present invention solves the problems of difficult loading and unloading and easy collision during transportation of the surveying instrument through a movable surveying instrument.



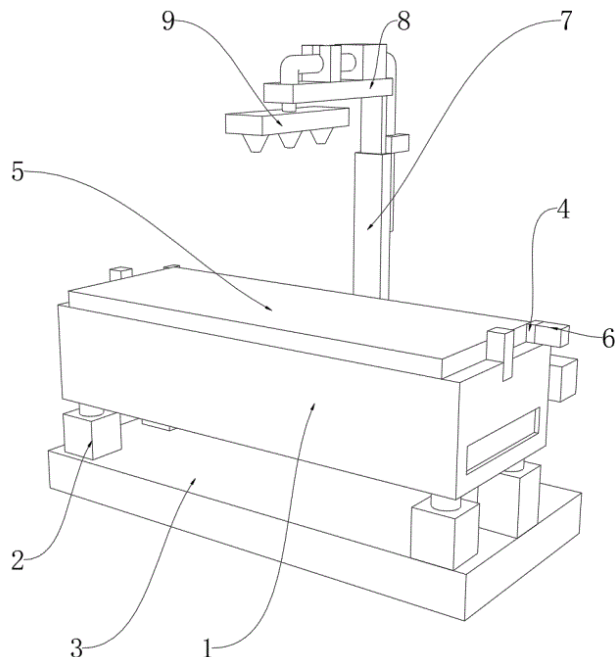
21: 2024/03836. 22: 2024/05/17. 43: 2024/12/10
 51: A01K
 71: Gansu Agricultural University
 72: Yan Zunqiang

54: A KIND OF PIG FEEDING TROUGH FOR LIVESTOCK BREEDING WHICH IS EASY TO CLEAN

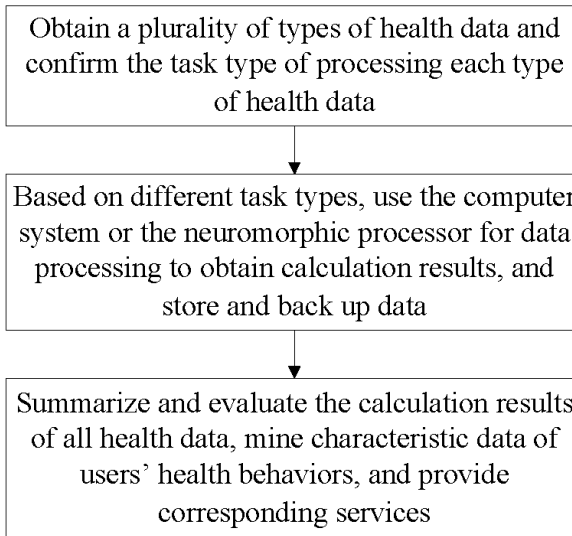
00: -

The present invention discloses a kind of pig feeding trough for livestock breeding which is easy to clean, comprising a pig feeding trough body, a fixed frame fixedly connected to the rear side of the pig feeding trough body, a second motor fixedly connected to the right side of the fixed frame, a threaded rod fixedly connected to the output end of the second motor. Said threaded rod has a nut vice threaded through the middle of the outer ring, said nut vice is fixedly connected to the back side of the telescopic rod, said telescopic rod is fixedly connected to the top of the top plate, said top plate is fixedly connected to the top of the pump, said pump is fixedly connected to the back side of the inlet water pipe, said pump is fixedly connected to the front side of the outlet water pipe, the other end of the outlet water pipe is fixedly connected to the connecting plate, and a plurality of spray nozzles are fixedly connected to the bottom of said connecting plate. In the present invention, the telescopic rod is driven to move left and right by the second motor, the threaded rod and the nut vice, and the water pump

sucks out the water in the water tank connected to the outside of the water inlet pipe, and conveys it into the pig food trough in the nozzle through the water outlet pipe for automatic rinsing.



management efficiency of health data and meeting user needs.



21: 2024/03840. 22: 2024/05/17. 43: 2024/12/10
51: G06F; H04N
71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD

72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

54: METHOD FOR HEALTH DATA MANAGEMENT THROUGH SUPERCONDUCTING NEUROMORPHIC PROCESSORS

00: -

Disclosed is a method for health data management through superconducting neuromorphic processors, which relates to the technical field of data processing, and includes the following steps: obtaining a plurality of types of health data and confirming the task type of processing each type of health data; based on different task types, using the computer system or the neuromorphic processor for data processing to obtain calculation results, and storing and backing up data; summarizing and evaluating the calculation results of all health data, mining characteristic data of users' health behaviors, and providing corresponding services. The present invention is capable of overcoming the defects of existing neuromorphic chips, improving the

21: 2024/03865. 22: 2024/05/17. 43: 2024/12/11
51: H04L

71: SHENZHEN TRANSSION HOLDINGS CO., LTD.

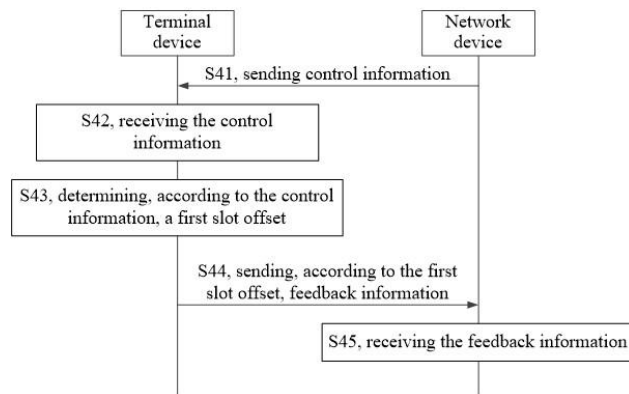
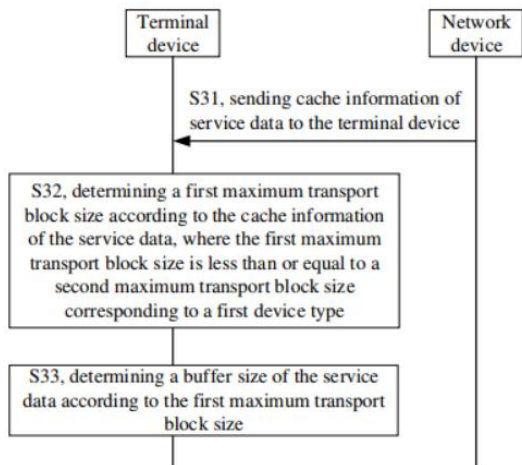
72: WANG, Sha

33: CN 31: 202210531728.1 32: 2022-05-17

54: PROCESSING METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM

00: -

The present application provides a processing method, a communication device and a storage medium. The method includes: determining a first maximum transport block size according to cache information of service data, where the first maximum transport block size is less than or equal to a second maximum transport block size corresponding to a first device type; determining a buffer size of the service data according to the first maximum transport block size. Since the maximum transport block size is positively correlated with the buffer size of a terminal device, and for a terminal device such as a reduced-capability device, the first maximum transport block size is less than or equal to the maximum transport block size corresponding to the first device type, the buffer size set by the reduced-capability device should be less than or equal to the buffer size of a terminal device of the first device type (i.e., a legacy terminal device), which can reduce a waste of hardware resources of the reduced-capability device.



21: 2024/03866. 22: 2024/05/17. 43: 2024/12/11
 51: H04W
 71: SHENZHEN TRANSSION HOLDINGS CO., LTD.

72: ZHU, Rongchang, HUANG, Wei, HUANG, Junwei

33: CN 31: 202210478249.8 32: 2022-05-05

54: DATA TRANSMISSION METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM

00: -
 The present application provides a data transmission method, a communication device, and a storage medium. The method includes: determining, according control information, a first slot offset and a second slot offset; sending, according to the first slot offset, feedback information, and performing, according to the second slot offset, a data transmission. The solution of the present application can be used to solve the problem of insufficient time for ACK/NACK and/or physical uplink service transmission caused by relaxed processing of physical downlink shared channel and/or physical uplink shared channel.

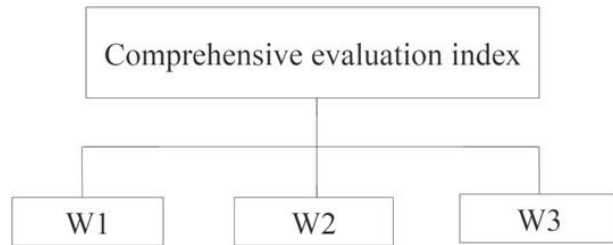
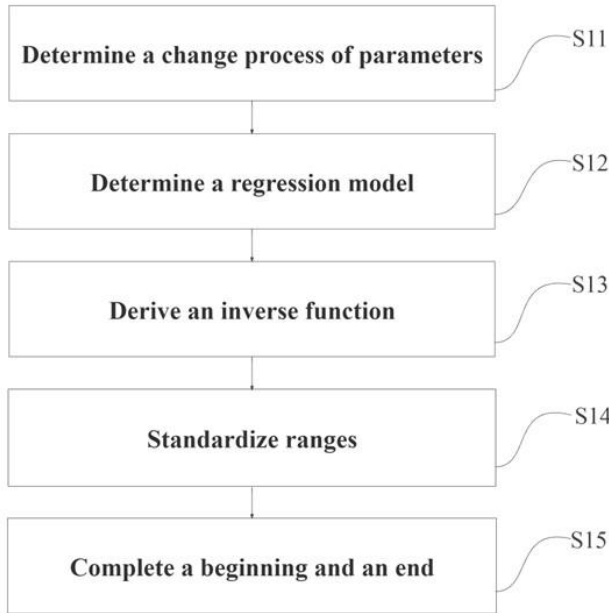
21: 2024/03874. 22: 2024/05/17. 43: 2024/12/24
 51: G01F; G01N

71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD.

72: ZHU, Zaisheng, WANG, Mingling, TIAN, Si, ZHENG, Mengze, ZHANG, Yubin, LV, Huanpei, ZHU, Huomei, LV, Xuejiao, LIU, Huiping, CHEN, Hao

54: A METHOD FOR DETERMINING MEMBERSHIP FUNCTION

00: -
 The present invention relates to a method for determining a membership function, the method is based on parameter changes and a series of derivation to generate the membership function, including the following steps: obtaining a regression model by drawing scatter plots of parameters changes, deriving an inverse function of a model function, standardizing a range of the inverse function, and completing a beginning and an end of a curve and determining the membership function. A method provided by the present invention is ingenious, more logical, simple in derivation steps and convenient to apply, and may better reflect variation characteristics of parameters, to avoid a certain subjective in the selection of the membership function.



21: 2024/03875. 22: 2024/05/17. 43: 2024/12/11

51: G06F; G06N

71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL PROTECTION CO., LTD.

72: ZHU, Zaisheng, WANG. Mingling, CHEN, Hao, LV, Huanpei, LIU, Huiping

54: EVALUATION METHOD OF ULTRAFINE GRINDING PRODUCTS BASED ON FUZZY COMPREHENSIVE EVALUATION

00: -

The present invention relates to an evaluation method of ultrafine grinding products based on fuzzy comprehensive evaluation, including the following steps: step 1: selecting indexes and building a comprehensive evaluation model; step 2: determining a weight of each index through analytic hierarchy process; and step 3: constructing a fuzzy comprehensive evaluation system, calculating a fuzzy evaluation set of the product by a fuzzy mathematics related knowledge, and obtaining the fuzzy comprehensive evaluation value. According to the present invention, the fuzzy mathematics related knowledge are used in a field of ultrafine grinding, the fuzzy comprehensive evaluation system based on the analytic hierarchy process is established, a plurality of indexes are integrated into a single index, and a comprehensive index for an evaluation of product quality is provided.

21: 2024/03876. 22: 2024/05/20. 43: 2024/12/09

51: B29C

71: Zhengzhou Dongfang Ancai Refractory Co., Ltd

72: YANG, Daoyuan, WEI, Xiaomin, ZHAO,

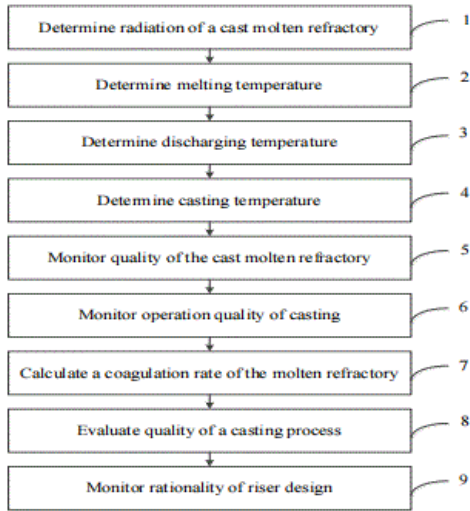
Xincheng, YANG, Jingyu

33: CN 31: 202410385975.4 32: 2024-03-29

54: ON-LINE MULTIFUNCTIONAL QUALITY MONITORING METHOD AND SYSTEM FOR CASTING PROCESS OF FUSED REFRACTORY

00: -

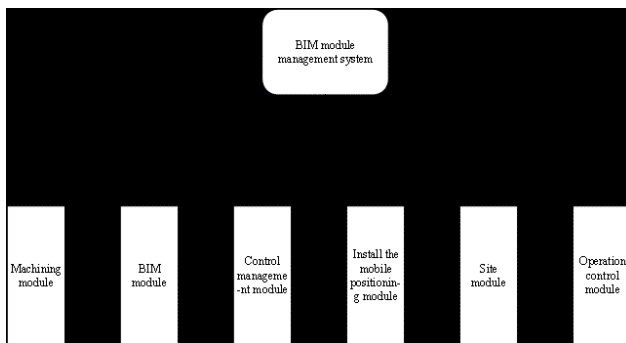
Disclosed in the invention is an on-line multifunctional quality monitoring method and system for a casting process of fused refractory, which relates to the technical field of monitoring of casting processes of fused refractories. The method includes determining melting temperature, discharging temperature, and casting temperature; determining a method for determining radiation of a cast molten refractory and a quality monitoring method; determining a parameter acquisition method for monitoring quality of the cast molten refractory and a quality monitoring method; determining a parameter acquisition method for monitoring operation quality of casting and a quality monitoring method; determining a method for calculating a coagulation rate of the molten refractory and a quality monitoring method; determining a method for evaluating quality of a casting process; and determining a method for monitoring rationality of riser design. The invention also made the remote monitoring and data playback analysis can be realized.



21: 2024/03877. 22: 2024/05/20. 43: 2024/12/09
 51: G06F
 71: Henan University of Urban Construction
 72: ZHANG Dali, YIN Xupeng, JIE Chaoyang, LIU Yanli, LIU Xiao

54: BUILDING BIM MODULE MANAGEMENT SYSTEM BASED ON NEURAL NETWORK

00: -
 The invention discloses a building BIM module management system based on neural network, which belongs to the technical field of buildings, and comprises a processing module, a BIM module, a control management module, an installation mobile positioning module, a site module and an operation control module. The historical data recorded by the invention can be used as the basis of energy consumption analysis and comparison, and abnormal energy consumption can be adjusted and optimized.

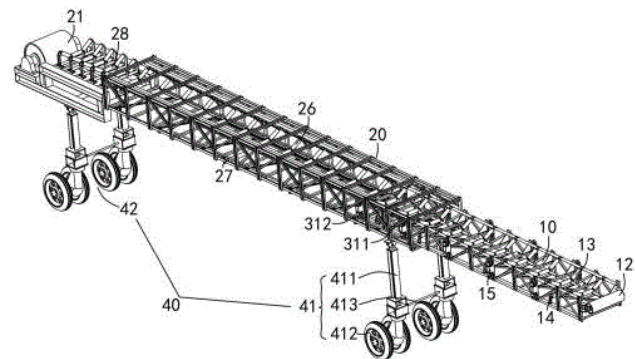


21: 2024/03878. 22: 2024/05/20. 43: 2024/12/09
 51: B65G
 71: Ningxia Tiandi Northwest Coal Machinery Co., Ltd., National Energy Group Ningxia Coal Industry

Co., Ltd., Chuanqing Drilling Engineering Co., Ltd. Changqing Drilling General Company
 72: WANG Ning, GU Wang, MA Yue, LAN Chunsen, YANG Hai, CAI Ruikun, TONG Jianzhong, SU Xiaoping, FENG Baozhong, WANG Hao, YANG Ping, MA Yupeng, MA Liwei, WANG Xinghong

54: TELESCOPIC TRUSS PLUG-IN BELT CONVEYOR

00: -
 The telescopic truss plug-in belt conveyor comprises a first truss, a second truss, a traveling mechanism and a moving mechanism; the left end of the first truss is inserted into the right end of the second truss, and the second truss is installed on the moving mechanism; the conveyor takes the first truss and the second truss as the skeleton, uses the gears of the traveling mechanism to provide power, and uses the pin row as the transmission medium to drive the first truss to expand and contract in the abdomen of the second truss; the moving mechanism can easily realize universal movement; the invention has the beneficial effects that the first truss and the second truss are inserted into each other, and the second upper idler group is connected in series by a circular ring chain, so that the expansion and contraction do not interfere with each other, and the expansion and contraction stroke can reach 8m; the traveling mechanism of gear and pin row is adopted during expansion and contraction, which avoids the shortcomings that the traditional gear or rack and chain structure is difficult to process, and the whole rack needs to be replaced if it is broken. The structure of gear and pin row has independent fault points and is very convenient to process and install.

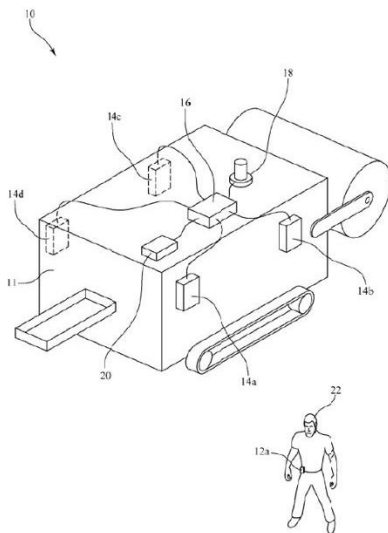


21: 2024/03917. 22: 2024/05/21. 43: 2024/12/11
 51: G05B; G07C
 71: MATRIX DESIGN GROUP, LLC

72: WUNDERLICH, Paul, LEMOND, Ben, JONES, Ryan, PRYOR, Aric, MOORE, Timothy, HAYFORD, Tracy, CIHOLAS, Mike, BENNETT, Justin
 33: US 31: 18/515,708 32: 2023-11-21

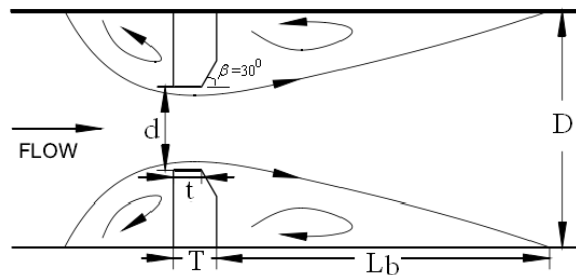
54: PROXIMITY DETECTION SYSTEM CAP LAMP
 00: -

A system and method for visually warning a person of a dangerous condition related to the proximity of the person to a machine is provided. The system includes a transmitter system located on the machine, a locator for being carried by the person, an algorithm performed at the transmitter for determining coordinates of the locator relative to the transmitter system, data input into the controller defining one or more safety zones around the machine, a warning indicator for generating a signal when the locator enters any of the one or more safety zones, and a lamp associated with the person. The lamp may be a spot lamp for illuminating the area around the person, and it may also include one or more warning lamps associated with the warning indicator such that the one or more warning lamps are illuminated when the locator enters either of the safety zones.



21: 2024/03918. 22: 2024/05/21. 43: 2024/12/11
 51: G06F
 71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
 72: Jianxiang QI, Xiaoxing PENG, Aipeng JIA, Wanzheng AI
54: CALCULATION METHOD OF ENERGY LOSS COEFFICIENT OF ASME ORIFICE PLATE
 00: -

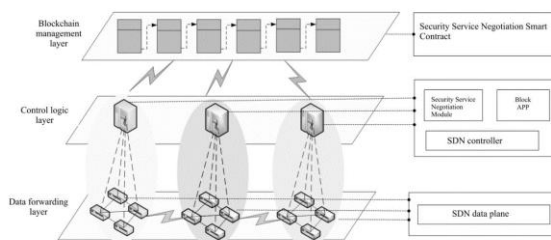
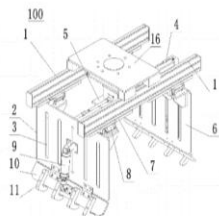
A calculation method of the energy loss coefficient of an ASME orifice plate mainly solves the problem that there is no good calculation method for the current ASME orifice plate hydrodynamic characteristics, especially the energy loss coefficient. The present invention provides a calculation method of the energy loss coefficient of an ASME orifice plate, which can more accurately calculate the energy loss coefficient of the ASME orifice plate, so as to be used in engineering design.



21: 2024/03920. 22: 2024/05/21. 43: 2024/12/09
 51: B65G
 71: Zhongxi Tianma New Material Technology Co., Ltd
 72: SUN, Minghua, MIAO, Zhenyu, LIN, Ping, GAO, Xigui, QU, Sheng, ZHAO, Shanqi, SUN, Mingxia, SHANG, Chengle, LIANG, Zhaojing, SHI, Zhuangxiu, YAN, Li

33: CN 31: 202311708171.5 32: 2023-12-12
54: CLAMPING DEVICE FOR RARE EARTH SINTERING BOX

00: -
 Disclosed is a clamping device for a rare earth sintering box. The clamping device for a rare earth sintering box includes a mounting frame, where the mounting frame includes a mounting plate, a longitudinal beam and two transverse beams; two clamping plates, where a top end of each clamping plate slidably matches the transverse beams, and the two clamping plates are a first clamping plate and a second clamping plate separately; a first rack engaged with the gear is fixedly arranged on the first clamping plate, and a second rack engaged with the gear is fixedly arranged on the second clamping plate; a first driving device fixedly arranged on the mounting plate, where an output end of the first driving device is fixedly connected to the first clamping plate; and hooking mechanisms corresponding to the two clamping plates one by one.



21: 2024/03921. 22: 2024/05/21. 43: 2025/01/02

51: H04L

71: Zhengzhou University of Technology

72: Yingying Ma, Yu Su, Zhaocheng Wang, Zili Xu, Jihai Huang, Wei Wang, Yuchan Wang

33: CN 31: 2023113848380 32: 2023-10-25

54: BLOCKCHAIN-BASED SECURITY SERVICE NEGOTIATION MECHANISM AND METHOD BETWEEN SDN DOMAINS

00: -

The invention discloses a blockchain-based security service negotiation mechanism between SDN domains comprising a blockchain management layer, a control logic layer and a data forwarding layer; the blockchain management layer provides security service negotiation function; the control logic layer comprises a controller, an expanded security service negotiation function module and a block APP wherein the controller interacts with the blockchain via the block APP, including transaction uploading, receipt issuing and information query; the controller issues security services to be executed to the border switch of the data forwarding layer via a southbound interface; the data forwarding layer is an SDN data plane; macroscopically, the invention avoids problems of single point failure and management transparency in the vertical architecture, naturally constructs a credible overall process supervision view and makes up defects of horizontal networking scheme; microscopically, the invention expands the service negotiation function and the blockchain application function to the SDN controller, so that each domain can realize service negotiation by uniting with blockchain.

21: 2024/03922. 22: 2024/05/21. 43: 2024/12/09

51: H01M

71: Taiyuan University of Technology

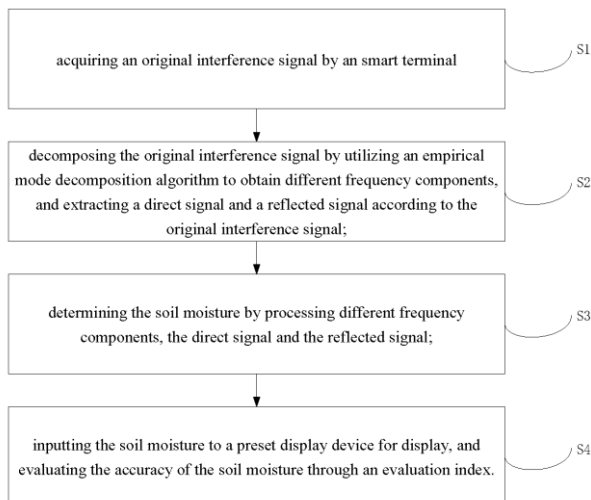
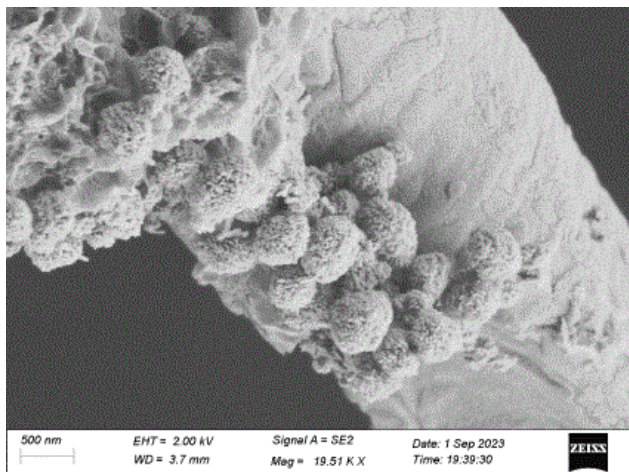
72: Xiaoming QIU, Xiaomin WANG, Yunrui DUAN, Chao MA

33: CN 31: 2024106213005 32: 2024-05-20

54: A PREPARATION METHOD FOR BIMETALLIC SELENIDE/THREE-DIMENSIONAL CARBON COMPOSITES AND APPLICATION THEREOF

00: -

The present invention discloses a preparation method for bimetallic selenide/three-dimensional carbon composites and application thereof, which relates to the technical field of electrode materials. S1, preparing graphene oxide aqueous solution, impregnating melamine foam, and then freeze-drying graphene oxide aqueous solution after sufficient impregnation; S2, carbonizing under a nitrogen atmosphere, washing and drying after maintaining the temperature; S3, preparing Cu²⁺ and Zn²⁺ aqueous solutions, taking equal volumes of Cu²⁺ and Zn²⁺ aqueous solutions, and then impregnating three-dimensional composite carbon; S4, placing in a reaction kettle for a hydrothermal reaction, taking out, cooling to room temperature, washing and centrifuging, and vacuum drying to obtain a precursor; S5, taking the selenium powder and the precursor, placing the selenium powder and the precursor in a tube furnace, and performing annealing treatment in an argon/hydrogen mixed gas to obtain a copper-zinc selenide/three-dimensional carbon composite. The present invention provides a preparation method for bimetallic selenide/three-dimensional carbon composites and its application, the composite has good electrochemical structure stability, the prepared composite is used in sodium ion batteries, the electrode sheet has excellent cycle performance and excellent rate performance.



21: 2024/03926. 22: 2024/05/21. 43: 2024/12/11
51: G01N

71: HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA

72: YANG, Dongkai, LI, Jie, WANG, Feng

54: METHOD FOR MEASURING SOIL MOISTURE BASED ON SMART TERMINAL

00: -

A method for measuring soil moisture based on an smart terminal is disclosed by the present disclosure. The method includes: S1, acquiring an original interference signal by an smart terminal; S2, decomposing the original interference signal by utilizing an empirical mode decomposition algorithm to obtain different frequency components, and extracting a direct signal and a reflected signal according to the original interference signal; S3, determining the soil moisture by processing different frequency components, the direct signal and the reflected signal; and S4, inputting the soil moisture to a preset display device for display, and evaluating the accuracy of the soil moisture through an evaluation index. The present disclosure can directly measure soil moisture by utilizing an Android smart phone, thereby reducing the complexity of device installation.

21: 2024/03927. 22: 2024/05/21. 43: 2024/12/11
51: G01S; G08B

71: HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA

72: YANG, Dongkai, YANG, Pengyu, WANG, Feng

54: DETECTION SYSTEM OF RIVER BOUNDARY BASED ON GNSS BI-SAR

00: -

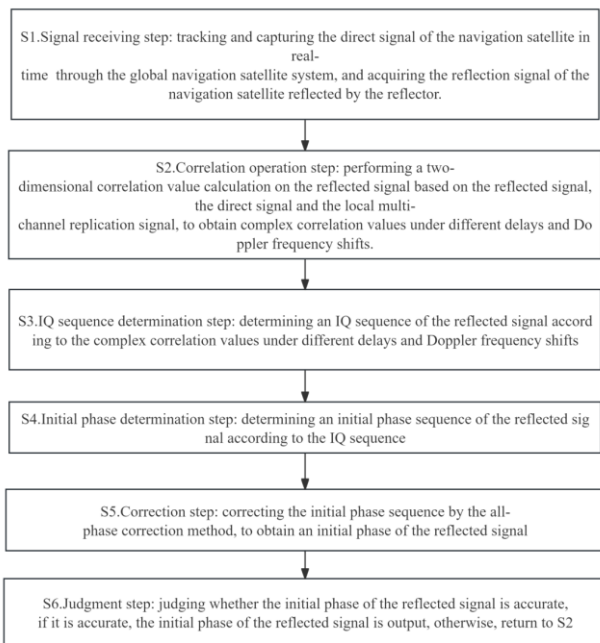
The present invention discloses A detection system of river boundary based on GNSS BI-SAR river boundary, which is applied to the field of river boundary detection technology. It includes: a GNSS-R receiver and a local control system connected to GNSS-R receiver; the GNSS-R receiver includes a left-handed circularly polarized antenna and a right-handed circularly polarized antenna; the local control system includes: an acquisition module, a river boundary determination module and an information storage module. The present invention applies GNSS reflected signal imaging technology to river boundary detection, the SAR image of the basin to be detected is obtained by using BP algorithm, according to the difference between land and river in the SAR image, the river boundary detection is realized with a high detection accuracy and a low algorithm complexity.



21: 2024/03928. 22: 2024/05/21. 43: 2024/12/11
51: G01S; G01V

71: HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA
 72: YANG, Dongkai, XING, Jin, WANG, Feng
54: ACQUISITION METHOD AND DEVICE FOR THE INITIAL PHASE OF GNSS REFLECTED SIGNAL

00: -
 The present invention discloses an acquisition method and device for the initial phase of GNSS reflected signal, which relates to the field of GNSS-R remote sensing technology. It includes: S1. signal receiving step; S2. correlation operation step; S3. IQ sequence determination step; S4. initial phase determination step; S5. correction step; and S6. judgment step. The present invention uses the globally shared GNSS as the signal source, which reduces the complexity of the initial phase acquisition, improves the data quality from the perspective of signal processing, improves the accuracy of the initial phase, and then improves the accuracy of the subsequent data inversion based on the initial phase.



21: 2024/03931. 22: 2024/05/21. 43: 2024/12/11
 51: E04B; E04C
 71: SAINT-GOBAIN PLACO
 72: SAMINATHAN, Kanakavel, S, Vikram
 33: IN 31: 202141059748 32: 2021-12-21
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.

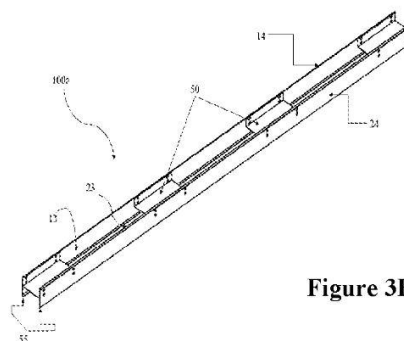
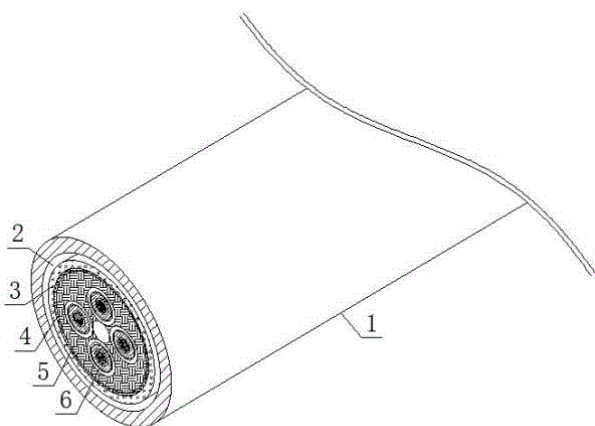


Figure 3B

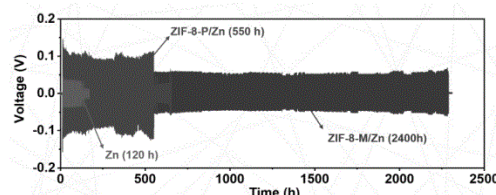
21: 2024/03948. 22: 2024/05/21. 43: 2025/01/02
 51: H01B
 71: Anhui Guodian Cable Co., Ltd.
 72: Jiangang Gao, Liqun He, Benguo Xiao, Wengen Gao, Xiaobao Huang, Huacai Lu, Xiaolong Tang, Yunfei Li, Yiming Yuan, Xinxin Guo, Jing Tao
 33: CN 31: 202310625999.8 32: 2023-05-30
54: A SECOND-GENERATION B1-CLASS MEDIUM AND HIGH VOLTAGE CABLE FOR URBAN PUBLIC FACILITIES AND A MANUFACTURING METHOD THEREOF
 00: -
 The invention relates to the technical field of cable, and discloses a second generation B1-class medium and high voltage cable for urban public facilities and a manufacturing method thereof. The invention comprises an outer protective sheath, the inner side

of the outer protective sheath is provided with a steel belt protection component, the inner side of the steel belt protection component is provided with an isolation sleeve, the inner side of the isolation sleeve is provided with a winding tape, the inner side of the winding tape is provided with a flame retardant layer, the flame retardant layer is provided with an internal cable component. The convex block and the concave block are reinforced by welding through the longitudinal brace, and then the horizontal brace is used to penetrate the interior of the concave block. The concave block wrapped in the distribution is tightened and interacts with the braided mesh to form a protective structure to protect the internal cable. When encountering rolling and digging, it will not cause damage to the cable, through the dual shield design of the cable outer shielding layer and the conductor shielding layer, which can improve the shielding performance of the cable, and form a thicker flame retardant structure on the outside, which can completely separate the internal and external structures and improve the flame retardant performance of the cable.



21: 2024/03956. 22: 2024/05/22. 43: 2024/12/09
 51: H01M
 71: Huzhou College
 72: LI, Hongfeng, ZHONG, Yunlian, WANG, Qingyu, CHENG, Xiangyang
54: METHOD FOR CONSTRUCTING MOFS ARTIFICIAL INTERFACE LAYER ON AZIB ANODE
 00: -
 The present invention discloses a method for improving a cycle life of an aqueous zinc ion battery (AZIB) by constructing an artificial interface layer,

including the following steps: coating the surface of a zinc metal disc with metal-organic frameworks (MOFs) prepolymerized colloid, drying the coated zinc metal disc in a constant temperature oven to form a continuous porous film layer uniformly bonded to the zinc metal surface, and then assembling a button cell by using the zinc metal disc as an anode. The method achieves simple and convenient construction of an artificial interface protection layer on a zinc anode, which inhibits growth of zinc dendrites, improves the electrochemical performance of the AZIB, and enhances the long cycle life of the AZIB.

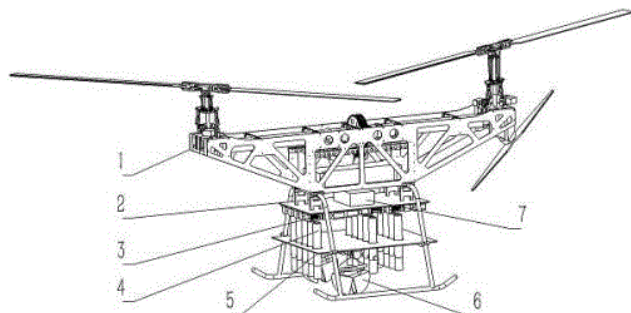


21: 2024/03957. 22: 2024/05/22. 43: 2024/12/09
 51: G01N
 71: Hainan Tropical Ocean University, Hainan Aerial Science and Technology Co, Ltd.
 72: CHEN Hao, ZHAO Kaifeng, REN Yong, DU Jun, XIE Wei, HUANG Hai

54: AIRBORNE WATER QUALITY SAMPLING AND FIXED DEPTH SEDIMENT SAMPLING METHOD FOR UNMANNED AERIAL VEHICLE
 00: -

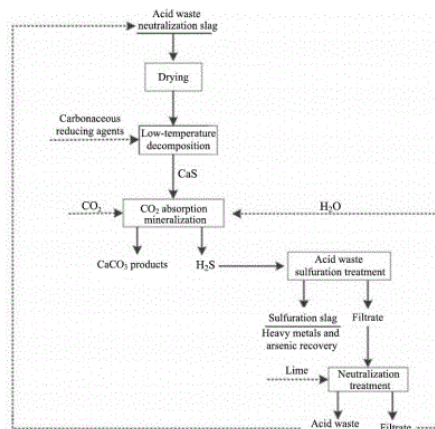
The invention discloses an airborne water quality sampling and fixed depth sediment sampling method for unmanned aerial vehicle, which relates to the field of marine survey sampling. The specific method comprises the following steps: connecting a carbon fiber plate to the landing gear of the unmanned aerial vehicle to form a load hanger; installing an automatic winch and an automatic wire arranger, hanging a water quality sampler and a bottom material sampler on a hook at the end of a rope, and connecting a valve controller on the water quality sampler with a controller; when the unmanned aerial vehicle flies to the target position and enters the hovering state, the designated sampler is automatically lowered to the set water depth according to the preset program, the electromagnetic valve on the water quality sampler is opened, and it is closed after being filled with water, and then the automatic winch is reeled in and

the unmanned aerial vehicle returns. This method can not only collect water samples with different depths at the same time, but also collect sediment samples at the corresponding position, which is not affected by the weather, high in service rate, high in speed, high in efficiency and low in cost, and completely solves the pain points of people/ships who are hard to reach, difficult to reach and unable to reach certain sea areas, and has a wider application range and greater data value.



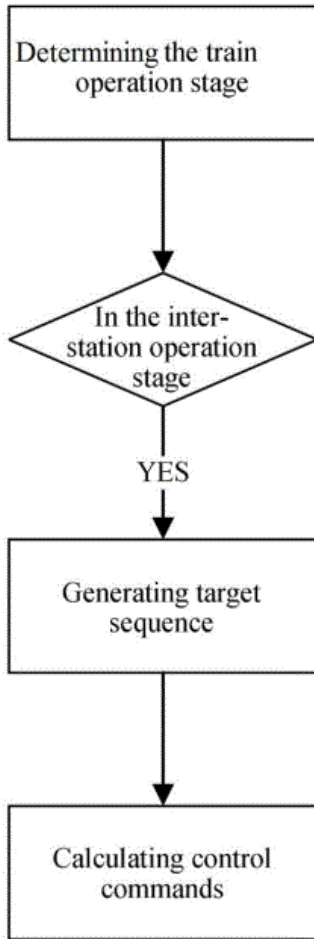
21: 2024/03958. 22: 2024/05/22. 43: 2024/12/09
 51: C01B
 71: Kunming University of Science and Technology
 72: LI, Mantao, ZHAO, Qun, TIAN, Senlin, NING, Ping, SONG, Haoran, LI, Chen, LI, Jie, CAO, Yan, ZHANG, Linfeng
54: METHOD FOR PREPARING H₂S BY DECOMPOSING ACID WASTE NEUTRALIZATION SLAG

00: -
 The present invention discloses a method for preparing H₂S by decomposing acid waste neutralization slag, which includes the following steps: 1) drying; 2) low-temperature decomposition: performing a low-temperature reduction reaction on dried acid waste neutralization slag and carbonaceous reducing agents to obtain CaS; 3) absorption mineralization: performing CO₂ absorption mineralization on CaS, water, and CO₂ gas to obtain CaCO₃ products and H₂S gas; and 4) acid waste treatment: introducing the obtained H₂S gas into non-ferrous metal smelting acid waste for sulfide precipitation and solid-liquid separation, and precipitation of sulfide being used for recovering heavy metals and arsenic; adding lime to a filtrate for neutralization treatment, and directly returning the obtained acid waste neutralization slag to step 1) for treatment.

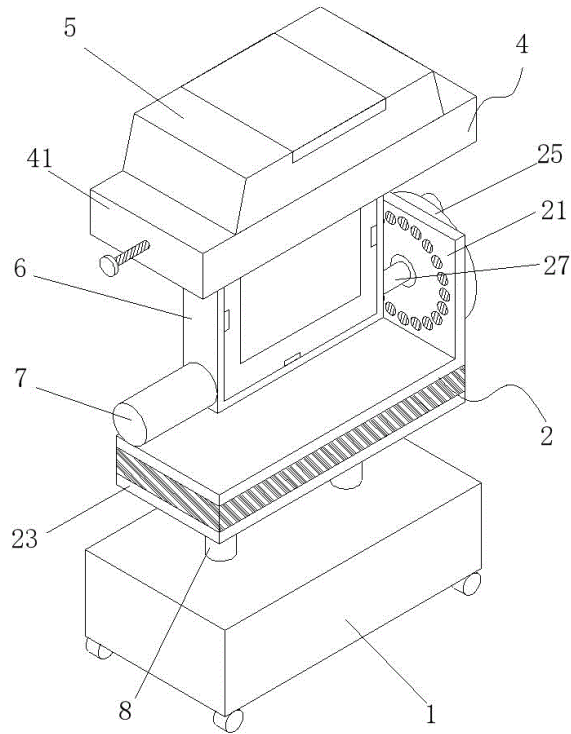


21: 2024/03959. 22: 2024/05/22. 43: 2024/12/09
 51: B61B; B61L; G06F
 71: BEIJING JIAOTONG UNIVERSITY
 72: LIU, Hongjie, LUO, Xiaolin, TANG, Tao, CHAI, Ming, SU, Shuai, LV, Jidong
 33: CN 31: 202310590156.9 32: 2023-05-23
54: METHOD AND SYSTEM FOR VIRTUALLY COUPLED TRAIN SET CONTROL

00: -
 A method and system for virtually coupled train set (VCTS) control is provided. The method includes following steps: determining whether to execute a backup control strategy based on an actual state for a current cycle of each train unit and a target state sequence for a first preset number of cycles before the current cycle to obtain a first determination result; if the first determination result is yes, executing the backup control strategy to control each train unit; if the first determination result is no, calculating the target state sequence for the current cycle of each train unit according to a position or calculating the target state sequence for the current cycle of each train unit by using a synchronization relationship; and controlling each train unit according to the target state sequence for the current cycle of each train unit, respectively.



elastic rubber frames and dampers, thereby enhancing operational stability.

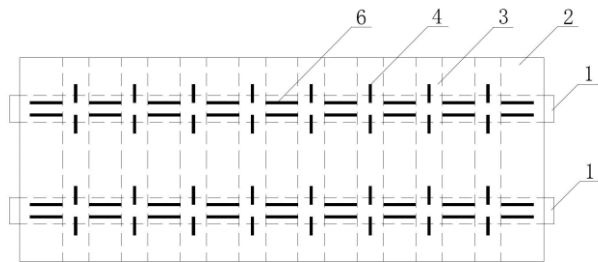


21: 2024/03962. 22: 2024/05/22. 43: 2024/12/09
 51: G09F
 71: Zhejiang University
 72: Nan Zhuang
54: AN ECO-FRIENDLY ELECTRONIC INFORMATION IDENTIFICATION DEVICE
 00: -
 The invention discloses an eco-friendly electronic information identification device within the field of electronic information identification technology. It consists of a mobile component with two hydraulic cylinders mounted above it. Positioned atop the cylinders is a signage component, with an air intake unit installed at the bottom on one side and an exhaust unit on the opposite side. Additionally, a solar panel is mounted above the signage component. By incorporating a rotating buffer mechanism, personnel can adjust the inclination of the signage component as needed, enhancing adaptability to various work scenarios. Furthermore, the device mitigates external vibrations through

21: 2024/03963. 22: 2024/05/22. 43: 2024/12/09
 51: E01D
 71: Hunan University of Technology
 72: ZENG Dan, CAO Lei, LUO Xiaochen, ZHAO Chongning, ZHENG Hui, ZHANG Deng, QU Zhangpeng

54: STEEL-GFRP STRIPS-UHPC LIGHTWEIGHT COMPOSITE BRIDGE STRUCTURE
 00: -
 The invention provides a steel-GFRP strips-UHPC lightweight composite bridge structure, which comprises a UHPC bridge deck, wherein a plurality of GFRP strip plates are arranged at intervals at the bottom of the UHPC bridge deck along the transverse direction of the bridge, and all the GFRP strip plates are fixedly connected with the upper flange of a steel beam structure through fasteners; the interior of the UHPC bridge deck is provided with a U-shaped shear connector along the longitudinal direction of the bridge, a cemented layer is arranged on the top surface of the GFRP strip plate, and a gravel layer is paved on the cemented layer; bridge deck structure reinforcements are arranged above a

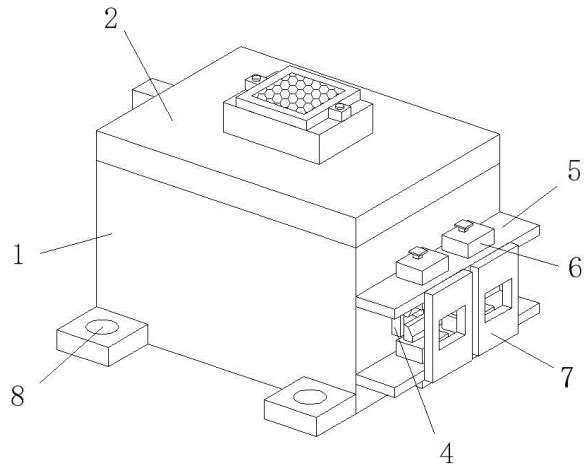
plurality of GFRP strip plates, and the filling area between the bottom surface and the top surface of the UHPC bridge deck is filled with UHPC. The invention reduces the structural weight of the composite bridge deck, increases its span, reduces its steel consumption and welding workload, reduces the risk of welding fatigue and improves its crack resistance in the negative bending moment regions.



21: 2024/03964. 22: 2024/05/22. 43: 2024/12/09
51: F16M
71: Zhejiang University
72: Nan Zhuang

54: AN ELECTRONIC INFORMATION RECEIVER WITH EASY WIRING INSTALLATION

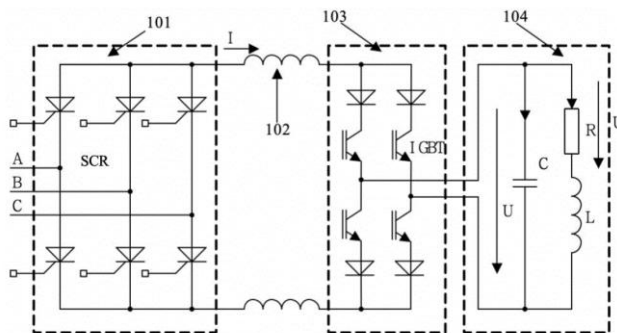
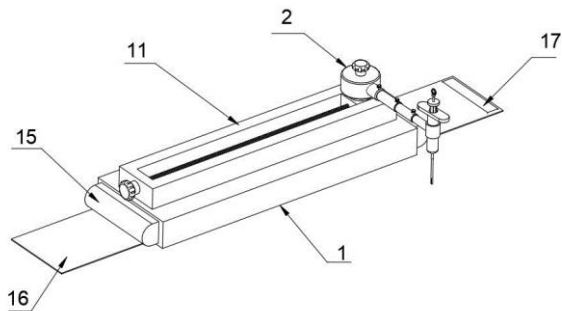
00: -
The invention discloses An electronic information receiver with easy wiring installation. It belongs to the technical field of information receivers and includes a frame. A protective component is arranged above the frame, and an electronic information receiver's main body is arranged inside the frame. One end of the electronic information receiver's main body is equipped with a wiring socket. A support plate is arranged on one side of the frame, and a clamping component is arranged in the middle of the support plate. A side frame is arranged on one side of the support plate. Installation plates are arranged at both ends of the frame. The invention achieves easy protection of the electronic information receiver by setting the protective component to prevent dust from adhering, thus affecting its use. This structure can prevent dust from entering and adhering to the electronic information receiver during use, while also facilitating blowing for heat dissipation, improving practicality. The invention further facilitates the firm clamping of the plug by setting the clamping component.



21: 2024/03965. 22: 2024/05/22. 43: 2024/12/09
51: A61B

71: The Fourth Medical Center of the Chinese People's Liberation Army General Hospital
72: Wenhao Hu, Xuesong Zhang, Lili Wu, Mingyu Yang, Jiayi Yu, Weibo Liu, Yunfeng Wu
54: AN AUXILIARY DEVICE FOR BONE TUMOR BIOPSY PUNCTURE

00: -
The invention discloses an auxiliary device for bone tumor biopsy puncture, belonging to the field of bone tumor biopsy and puncture. The invention comprises an adjusting component, a puncture component and a sampling component. The auxiliary device for bone tumor biopsy and puncture can realize the effect of effectively adjusting the puncture position in the process of use by providing an adjusting component, and can avoid manual fixing of the sampling component by the staff, thus ensuring the stability of the device in the process of puncture. This avoids the occurrence of puncture deviation; By providing a sampling component, it can effectively avoid the situation that the sample is easy to fall off or the amount of diseased tissue is small when the sample biopsy needle is taken out during the bone tumor puncture sampling. This ensures its stability during the sampling process and ensures the subsequent sampling effect.

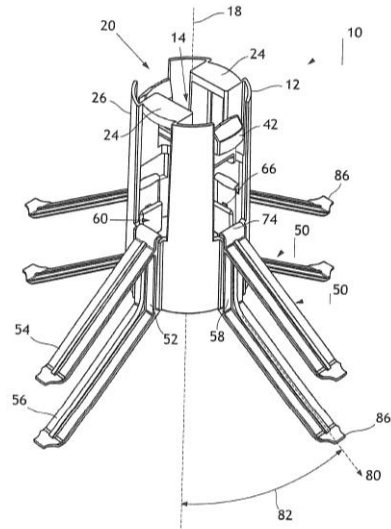
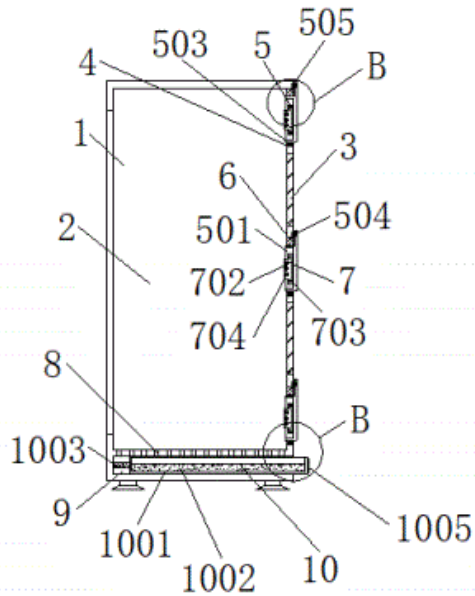


21: 2024/03966. 22: 2024/05/22. 43: 2024/12/09
 51: H02M
 71: Zhaoqing University, Guangdong IPST
 Technology Co., Ltd
 72: Xiao Qijun, Xiao Chaoyu, Liang Hai, Li Zefeng
 33: CN 31: 2023105813002 32: 2023-05-22
**54: A METHOD AND SYSTEM FOR PHASE-
 LOCKED AND POWER ADJUSTMENT CONTROL
 IN AN INDUCTION HEATING POWER SUPPLY**
 00: -

The present invention discloses A method and system for a method and system for phase-locked and power adjustment control in an induction heating power supply; the method comprises: obtaining the average value of the incoming line current after sampling; if the average value of the incoming line current reaches a threshold at startup, weak capacitive control is performed on the inverter bridge circuit based on a digital phase-locked loop algorithm; obtaining the true effective value of the load voltage after sampling; based on the true effective value of the load voltage and the average value of the incoming line current, determining the control angle according to either a voltage-current parallel regulation algorithm or a voltage-current series regulation algorithm, and thereby controlling the rectifier bridge circuit for rectification. The present invention achieves frequency conversion adaptability, automatic power adjustment control, and constant voltage, current, and power control of the induction heating system, thereby enhancing the digital control capability of the induction heating power supply.

21: 2024/03970. 22: 2024/05/22. 43: 2024/12/09
 51: G06F
 71: Yangjiang Polytechnic
 72: GUAN, Chengli, YANG, Yue, GUO, Xiaoying
**54: INFORMATIONALIZED SAFETY
 APPLICATION DEVICE FOR COMPUTER**
 00: -

Disclosed is an informationalized safety application device for a computer, which belongs to the technical field of computer protection, the informationalized safety application device for a computer includes a device main body, where a protective cover is arranged outside the device main body, a plurality of groups of ventilation nets are uniformly arranged on one side of the protective cover, and a plurality of groups of holes are uniformly arranged on one side of the protective cover. Movable assemblies are rotatably connected to insides of the holes, clamping assemblies are arranged at inner sides of the movable assemblies, and rubber cushions are arranged at top ends of the insides of the holes. A filter screen is arranged at a bottom end of inside of the protective cover.



21: 2024/03979. 22: 2024/05/22. 43: 2024/12/11
51: F42D

71: DETNET SOUTH AFRICA (PTY) LTD
72: BOTHA, Marius Christo, LIEBENBERG,
Abraham Johannes

33: ZA 31: 2021/08971 32: 2021-11-12

54: DETONATOR ASSEMBLY PLACEMENT

00: -

A device which is used to position a detonator assembly in a borehole. The device has a housing with an open mouth into which one end of the detonator assembly is inserted, formations on the housing which then engage with the detonator assembly, and flexible elements which extend from the housing and which are configured, in use, to engage with a wall of a borehole into which the device and the detonator assembly are inserted.

21: 2024/03980. 22: 2024/05/22. 43: 2024/12/11

51: B01F; H01M

71: AVL LIST GMBH

72: SCHLUCKNER, Christoph

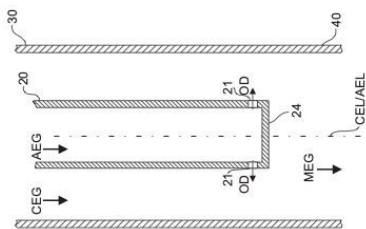
33: AT 31: A 50942/2021 32: 2021-11-25

54: MIXING DEVICE FOR MIXING AT LEAST ANODE EXHAUST GAS AND CATHODE EXHAUST GAS FROM A FUEL CELL STACK OF A FUEL CELL SYSTEM

00: -

The present invention relates to a mixing device (10) for mixing at least anode exhaust gas (AEG) with cathode exhaust gas (CEG) from a fuel cell stack (110) of a fuel cell system (100), having a cathode exhaust gas line (30) with a cathode exhaust gas connection (32) for fluid-communicating connection with a cathode exhaust gas section (134) of a cathode section (130) of the fuel cell stack (110) and an anode exhaust gas line (20) with an anode exhaust gas connection (22) for fluid-communicating connection with an anode exhaust gas section (124) of an anode section (120) of the fuel cell stack (110), characterised in that the anode exhaust gas line (20) is arranged within the cathode exhaust gas line (30) and has a closed anode exhaust gas line end (24) and at least two anode exhaust gas outlets (21) into the cathode exhaust gas line (30) with outlet directions (OD) radial to the anode exhaust gas line axis (AEL) and to the cathode exhaust gas line axis (CEL), wherein, further downstream of the anode exhaust gas line end (24), the cathode exhaust gas line (30) transitions into a mixed exhaust gas line (40) with a mixed exhaust gas connection (42) for

fluid-communicating connection with a burner inlet (152) of an afterburner (150) of a fuel cell system (100).



21: 2024/03984. 22: 2024/05/22. 43: 2024/12/09
51: G08B

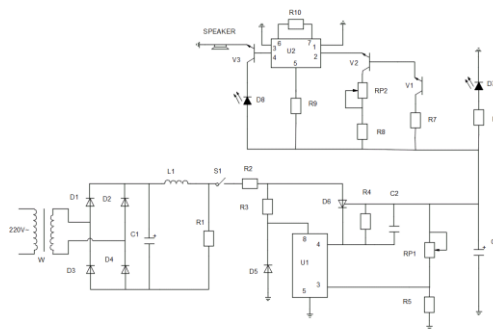
71: Suzhou Tianzi Electronic Technology Co., Ltd.
72: CHEN, Shuai

54: INTELLIGENT SMOKE ALARM CIRCUIT

00: -

The present invention discloses an intelligent smoke alarm circuit, which comprises a commercial power supply, a step-down rectifier filter module, a voltage stabilizing module, a smoke detection module and an alarm module, wherein the commercial power supply is connected with the step-down rectifier filter module, the step-down rectifier filter module is connected with the voltage stabilizing module, the voltage stabilizing module is connected with the smoke detection module, and the smoke detection module is connected with the alarm module.

Compared with the prior art, the present invention has the beneficial effects that the voltage stabilizing effect is achieved through the ICL8211 integrated circuit and the peripheral circuit, and the output voltage can be changed by adjusting the potentiometer, so that the input voltage of the smoke alarm is constant, and it is ensured that the smoke alarm with different concentrations will not be caused by voltage fluctuation, which makes the smoke alarm more accurate.



21: 2024/04012. 22: 2024/05/23. 43: 2024/12/09
51: C04B

71: China Building Materials Academy Co., Ltd.,
China National Building Material Group Co., Ltd.,
CNBM Zhongyanyi Technology Co., Ltd.

72: Min WANG, Xiao ZHI, Zhajun WEN, Xianshu
GAO, Kunyue ZHANG, Wen HUANG, Xianbin
WANG, Suihua GUO, Yun LIU, Yang YU, Guang
YAO, Guanbao TANG, Xin SHEN, Mingming SUN,
Yirui LI, Ao LIU

33: CN 31: 202310801515.0 32: 2023-07-03

54: TOUGHENED CEMENT FOR SHALE GAS WELL WITH HIGH TEMPERATURE AND PRESSURE RESISTANCE AND PREPARATION METHOD THEREOF

00: -

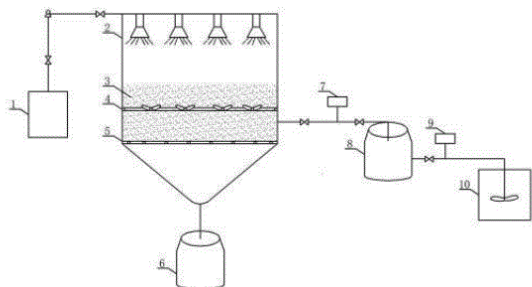
A toughened cement for cementation of shale gas well with high temperature and pressure resistance, includes: 68-80 parts by weight of cement clinker; 9-15 parts by weight of metakaolin; 3-6 parts by weight of gypsum; and 5-15 parts by weight of ferroaluminate seed crystal. The invention conducts in-depth research on the crystal structure and mechanical properties of different cement clinkers. Among the four basic minerals of cement clinkers (dicalcium silicate, tricalcium silicate, tricalcium aluminate, and tetracalcium ferroaluminate), the crystal structure and mechanical properties of tetracalcium ferroaluminate are more suitable for use in the modification of the toughness of cement paste. Therefore, the technical idea is proposed to increase ferroaluminate seed crystal to improve the Young's modulus and toughness of the cement paste.

21: 2024/04013. 22: 2024/05/23. 43: 2024/12/09
51: B09C

71: Kunming University of Science and Technology
72: LI, Mantao, SONG, Haoran, ZHAO, Qun, TIAN,
Senlin, NING, Ping, LI, Chen, LI, Jie, HUANG,
Jianhong, XIE, Xin, ZHANG, Linfeng, CAO, Yan

54: METHOD FOR REPAIRING HEAVY METAL-CONTAMINATED SOIL AND INCREASING FERTILITY BY SPRAYING AND LEACHING WITH ALCOHOL WASTE MASH

00: -
 Disclosed is a method for repairing heavy metal-contaminated soil and increasing fertility by spraying and leaching with alcohol waste mash. The method uses the alcohol waste mash rich in multiple organic components to improve heavy metal-contaminated soil by spraying and leaching, and includes spraying and leaching treatment of soil with the alcohol waste mash, solid anaerobic fermentation treatment, and soil pH adjustment treatment. The method of the present invention has advantages of simple operation and process flow, high practical value, low cost, making full use of solid waste, realizing the resource utilization of waste, solving the environmental pollution problem of alcohol waste mashes, achieving the purpose of treating waste with waste, effectively removing heavy metals in soil, providing fertility for soil, preventing pest attack, and realizing soil and vegetation reclamation.

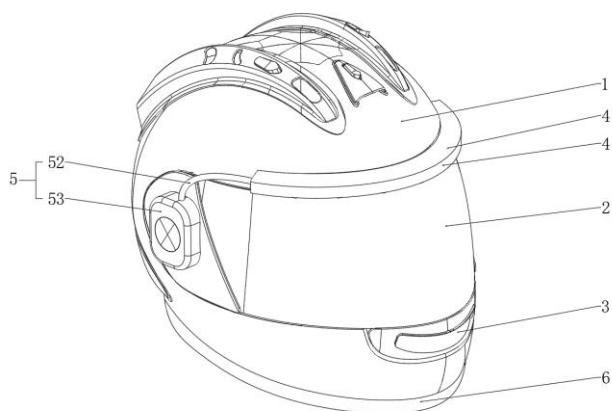


21: 2024/04014. 22: 2024/05/23. 43: 2024/12/09
 51: F04D
 71: Chuzhou University
 72: Yang Gui, Hu Dan, Feng Mingchun, Cheng Jun, Zhang Yongchun

54: A HELMET WITH ADJUSTABLE AIR SUPPLY

00: -
 The present invention discloses a helmet with adjustable air supply, relating to the field of helmets, including a helmet body, wherein a connecting port is provided in the helmet body, and the connecting port is sealed and connected to a transparent windshield. The bottom of the windshield is connected to a connecting buckle that fixes the windshield to the helmet body. The helmet body is located at the top of the connecting interface and is embedded with a shell structure air outlet. The air

outlet is set in a semi-circular structure and matches the curvature of the outer surface of the windshield. The air outlet is connected to an air outlet component that can switch the direction of airflow output. The advantage of the present invention is that by setting an air outlet above the windshield and along the arc surface of the windshield, as well as multiple bends, the blowing work on the inner and outer sides of the helmet can be achieved. This allows for heat dissipation of the human head when using the helmet in summer, and avoids excessive fog on the inner surface of the helmet windshield in winter, reducing the humidity inside the helmet and making it convenient to use.



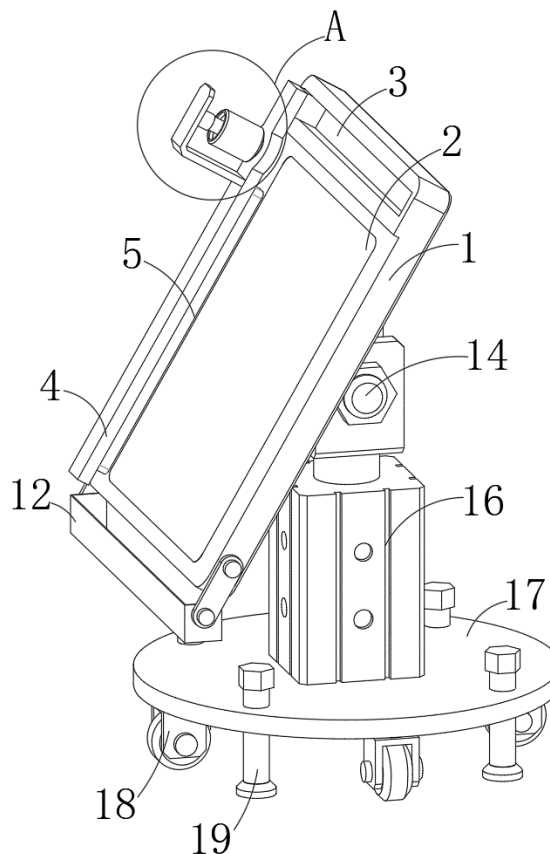
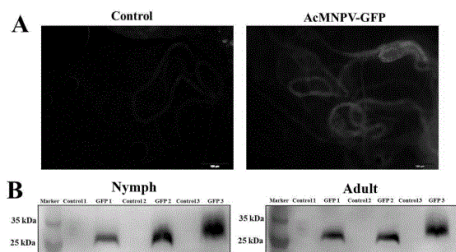
21: 2024/04015. 22: 2024/05/23. 43: 2024/12/09
 51: C12N
 71: Institute of Highland Forest Science, Chinese Academy of Forestry
 72: ZHANG, Xin, LI, Xian, MA, Chenjing, DING, Weifeng, CHEN, Hang

33: CN 31: 202410338382.2 32: 2024-03-25

54: TRANSGENIC METHOD OF BLATTARIA INSECTS

00: -
 The present invention relates to the field of transgenic technology, in particular to a transgenic method of Blattaria insects. Baculovirus AcMNPV is isolated from Lepidopteran insects and has host specificity. It is generally believed that AcMNPV may only infect Lepidopteran insects and cells, and may realize transgenic operation in Lepidopteran cells. However, the present invention has experimentally found that introduction of an exogenous gene into baculovirus AcMNPV and feeding may make the exogenous gene (GFP gene) expressed in cells and adults of Blattaria insects, indicating that the

experimental scheme of oral infection of *Periplaneta americana* recombinant baculovirus to realize gene transfer is feasible. The method of the present invention has the advantages of speed, convenience, low cost, and high success rate (84 percent success rate).



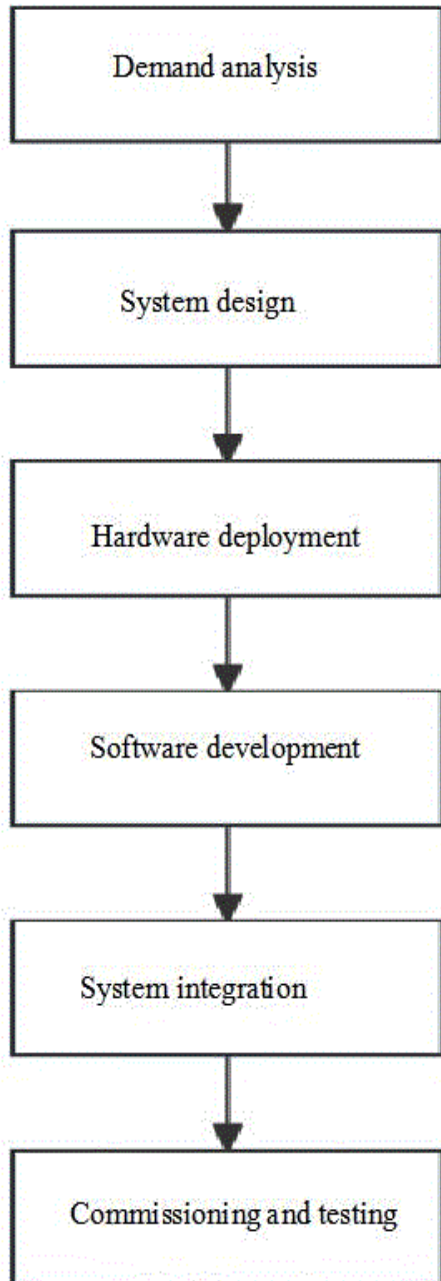
21: 2024/04016. 22: 2024/05/23. 43: 2024/12/09
 51: G06F
 71: Jiaxing Vocational and Technical College
 72: Xinghuo Ye, Haiping Jiang, Yifan Chen
54: AN ANALYTICAL DEVICE BASED ON DEEP LEARNING

00: -
 The utility model discloses an analysis device based on deep learning comprises a protective frame, the front side of the protective frame is fixedly connected with a display panel, the top of the protective frame is provided with an electric slide rail, one end of the electric slide rail is connected with a movable plate through a slider slide, one side of the movable plate close to the display panel is fixedly connected with a cotton cloth wipe, and one side of the cotton cloth wipe is attached to one side of the display panel. The utility model discloses through the combined use of electric slide rail and slider, can make the movable plate move horizontally, thereby drive the cotton cloth wipe to automatically wipe the surface of the display panel, facilitate the wiping of the device, improve the practicability of the device, utilize the electric push rod on the connecting frame, can push the piston, thereby the cleaning hydraulic pressure in the liquid reservoir is sprayed into the nozzle, thereby the top of the display panel is cleaned, the cleaning effect of the device is improved, the setting of the collection box, It can collect the sewage generated by cleaning and wiping.

21: 2024/04017. 22: 2024/05/23. 43: 2024/12/09
 51: F01D
 71: Jiaxing Vocational & Technical College
 72: Yongqi Wang, Yanjun Ji, Junwei Zhang, Hongxin Wang
54: ADAPTIVE CONTROL HIGH TEMPERATURE TEST METHOD FOR TURBINE DISCS

00: -
 The invention relates to the technical field of aero-engine engineering, in particular to an adaptive control high temperature test method for turbine discs. In this system, the turbine disc is divided into several independent temperature control partitions, and the temperature of each partition is accurately controlled by using partition adaptive control technology. The system includes central controller, temperature sensor, heating element, partition control module, data acquisition and analysis unit, human machine interface and safety protection system. The adaptive PID control algorithm dynamically adjusts the heating power according to the real-time temperature data to ensure the uniform temperature distribution, reduce the thermal stress concentration and improve the accuracy and reliability of the test results. Hardware deployment

and software development are closely combined, and through system integration and debugging, efficient temperature control and optimized energy utilization are realized. This system is suitable for the high-temperature performance test of turbine disc, which can significantly improve the accuracy and efficiency of the test and prolong the service life of turbine disc, and has important engineering application value.



21: 2024/04018. 22: 2024/05/23. 43: 2024/12/09

51: H04B

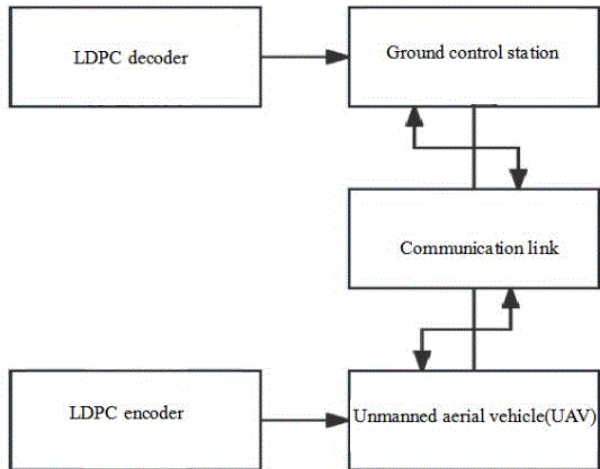
71: Jiaxing Vocational & Technical College

72: Yanjun Ji, Yongqi Wang, Yuyang Ji, Xiaoji Wei

54: OMNI-DIRECTIONAL HIGH-RELIABILITY COMMUNICATION OF UNMANNED AERIAL VEHICLES BY USING THREE-DIMENSIONAL LDPC CODES

00: -

The invention provides an omni-directional high-reliability communication of unmanned aerial vehicles by using three-dimensional LDPC codes, and relates to the technical field of wireless communication. This method improves the anti-interference ability and error correction performance of data through three-dimensional LDPC coding technology; the omni-directional antenna system is adopted to ensure the omni-directional signal coverage of the unmanned aerial vehicle in different flight attitudes and positions, and improve the stability of the communication link. The system includes an adaptive transmission control module, which dynamically adjusts the modulation mode and coding rate according to the real-time channel state information (CSI) to optimize the transmission performance. Equipped with temperature monitoring and cooling system to ensure the stable operation of communication module in the optimal temperature range. Efficient data processing module and real-time operating system (RTOS) ensure low delay and high reliability of data transmission. The invention significantly improves the coverage, anti-interference ability, data transmission reliability and real-time performance of the unmanned aerial vehicle communication system, and is suitable for unmanned aerial vehicle applications in various complex environments.



21: 2024/04019. 22: 2024/05/23. 43: 2024/12/09
51: C01B

71: Shaoquan Cheng

72: Shaoquan Cheng, Yuanjie Cheng

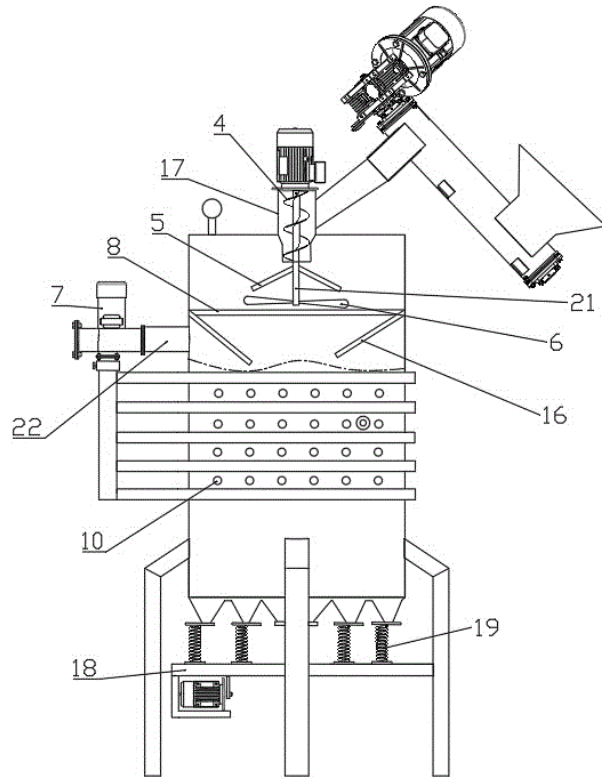
33: CN 31: 2024209896127 32: 2024-05-09

**54: NEW TYPE OF HIGH CALORIFIC VALUE
FECAL AND BIOMASS HYDROGEN
PRODUCTION DEVICE**

00: -

The invention discloses a new type of high calorific value fecal and biomass hydrogen production device, comprising a furnace body, a feeding winch; a feeding pipe is provided on the top of the furnace body; a stirring motor is provided on the top of the feeding pipe; the output of the stirring motor is connected to the rotary shaft through a coupling to form a connecting structure; the rotary shaft runs through the feeding pipe and stirring knives are provided at the bottom end; a feeding stirring blade is fixedly connected on the outer wall of the upper end in a circumferential direction; ; a distributor is provided on the rotary shaft; gas material partitions are fixedly connected on the inner wall of the furnace body, and two ends of the gas collection pipes are fixedly connected with the gas material partitions; an outlet pipe is connected on one side of the upper end of the furnace body; the inlet end of the outlet pipe is connected to the gas collection pipes, and the outlet end of the outlet pipe is connected to the inlet end of the exhaust fan; the exhaust fan is connected to the gas heating mechanism; a control valve is provided on the exhaust fan outlet pipe; the electric heating mechanism is provided in the furnace body; the electric heating mechanism comprises 1 to N electric heating pipes and 1 to N

layers; an ash discharge mechanism is provided at the bottom of the furnace body.



21: 2024/04020. 22: 2024/05/23. 43: 2024/12/09
51: G06Q

71: Huainan Normal University

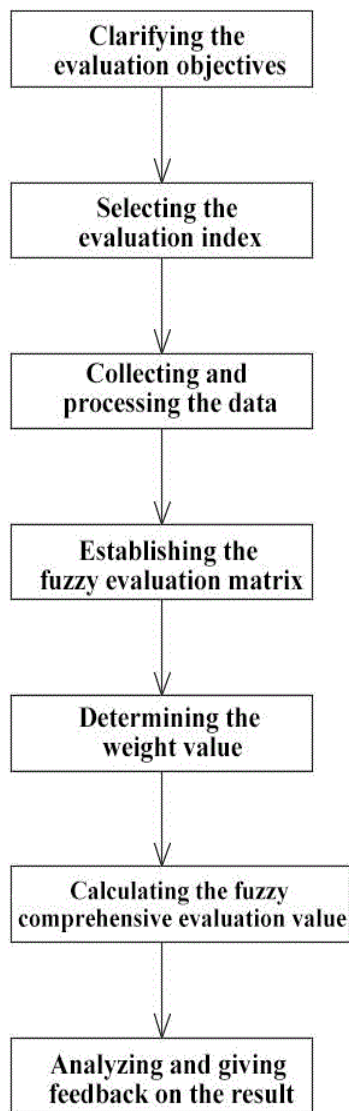
72: Xueqing Wu

**54: AN ENTERPRISE MANAGEMENT
PERFORMANCE EVALUATION METHOD BASED
ON FUZZY COMPREHENSIVE EVALUATION**

00: -

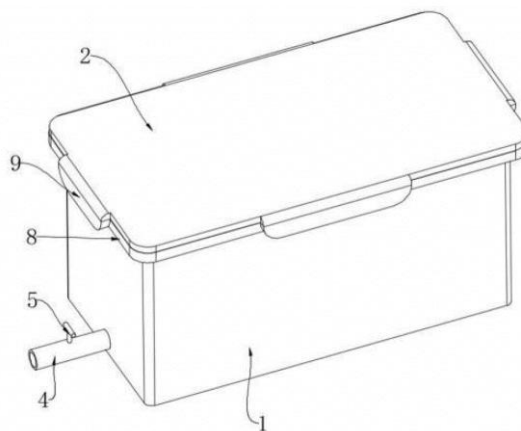
The invention relates to the technical field of enterprise management, in particular to an enterprise management performance evaluation method based on fuzzy comprehensive evaluation. It includes the following steps: Clarifying the evaluation objectives; Selecting the evaluation index; Collecting and processing the data; Establishing the fuzzy evaluation matrix; Determining the weight value; Calculating the fuzzy comprehensive evaluation value; Analyzing and giving feedback on the result. The invention has the following advantages: The enterprise management performance evaluation method based on fuzzy comprehensive evaluation proposed by the invention can make the evaluation work more specific and targeted by clarifying the

evaluation objectives and setting specific data indicators. This helps enterprises to understand their own strengths and weaknesses more clearly in the evaluation process, and provides strong support for the formulation of improvement strategies.



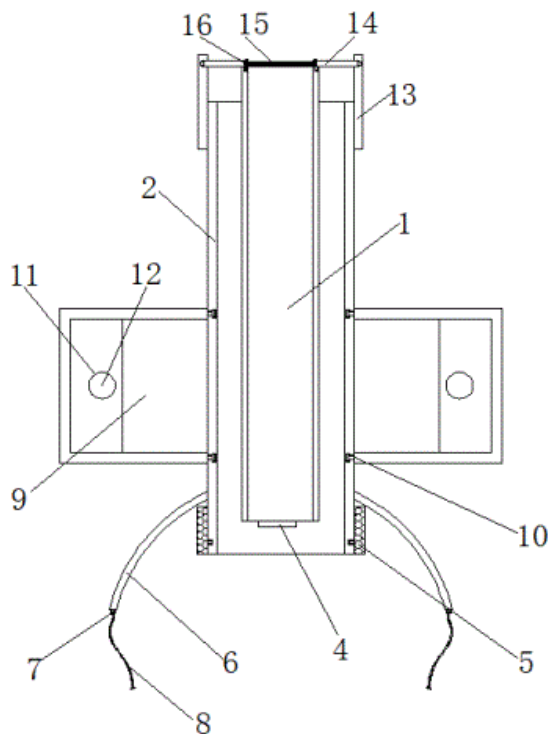
21: 2024/04022. 22: 2024/05/23. 43: 2024/12/09
 51: G01N
 71: Leshan Normal University
 72: Fu Qinchao, Liu Fang, Fan Jing, Feng Peng, Xu Gaoyu, Liang Zi
 33: CN 31: 2024105186265 32: 2024-04-28
54: A STEAM FIXATION AND STAINING DEVICE FOR CHROMOSOME SLIDES USED IN THE FIXATION AND STAINING OF CHROMOSOMES
 00: -

This invention discloses a steam fixation and staining device for chromosome slides, which is applied in the fixation and staining of chromosomes and belongs to the field of biological experimental apparatus technology. The device provided by this invention for steam fixation and staining of chromosome slides features a sloped design on the bottom surface of the cylinder body, allowing the staining and fixing liquids to flow downward smoothly along the slope and finally drain out from the drainage pipe, facilitating the replacement of staining and fixing liquids. The elastic layers on both sides of the cylinder can be used to secure specimens, and the number of specimens and the distance between stained specimens can be controlled as needed. During specimen steam fixation, the elastic layers on both sides can act as carriers, allowing the specimens to be placed flat on top of the elastic layers. The latex ring and lid fastener on the cylinder cover ensure the tightness of the device, increase the steam concentration, and enhance the fixation effect. Additionally, the device prevents the leakage of toxic gases during staining and steam fixation, thereby preventing harm to experimenters. This invention has broad application prospects in the teaching and research of chromosome slide staining in biology and medicine.



21: 2024/04027. 22: 2024/05/23. 43: 2024/12/13
 51: A61B
 71: The First Hospital of Yulin
 72: Ma Weixiong
54: AN OCCLUSAL DEVICE FOR GASTROSCOPY WITH THE FUNCTION OF SALIVA CONTAINMENT
 00: -

The invention discloses an occluding device for gastroscopy with the function of saliva containment, which comprises: the occluding device is arranged inside a circular pipe, and the lateral side of the circular pipe is symmetrically arranged with a saliva containment mechanism, wherein the saliva containment mechanism comprises a centralized box, a sealing strip and a discharge outlet. The occlusal device for gastroscopy with the function of saliva containment is equipped with a saliva containment mechanism, which can collect and clean the saliva flowing out of the patient, so that there will be no reflux and patients need to wipe themselves. At the same time, a fixed mechanism is set up, and the occlusal device can be firmly fixed by using a fixed rope to avoid falling off. To ensure that the doctor's observation of the patient's stomach will not be affected, a cleaning mechanism is also set up. When the pipe body is drawn out of the circular pipe, a cleaning brush is set up at the entrance of the round tube. The cleaning brush will clean up the saliva secretion of the patient outside the pipe, leave it in the circular pipe, and enter the centralized box through the opening under the round tube.



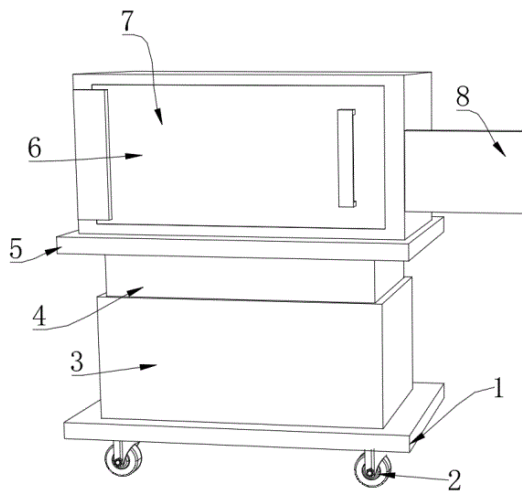
21: 2024/04028. 22: 2024/05/23. 43: 2024/12/13
51: G01N

71: Henan University of Urban Construction
72: Chen Yanyan, Ye Yanxin, Li Bingbing, Zhang Renqi, Zhu Tao, Li Leilei, Yang Jianyang, Guo Jing, Guo Yinlong, Ai Fuzhen

54: A KIND OF ANTIMICROBIAL MULTI-LIGHT SOURCE MEAT INSPECTION TEST BENCH

00: -

The present invention discloses a kind of antimicrobial multi-light source meat inspection test bench, comprising a base, said base having a fixed box fixedly connected to the top of said base, said fixed box having a telescopic box slidingly connected to the top inner wall of said fixed box, and said telescopic box having a carrying plate fixedly connected to the top of said telescopic box. In the present invention, a bolt is rotated to make the rubber mat move and squeeze and fix the meat, and a first motor drives the fixing plate on both sides to rotate, so that the clamped beef is turned over, which ensures the accuracy of the meat inspection, and at the same time avoids the bacteria inside the inspection box from contaminating the meat during the process of turning over the meat manually.



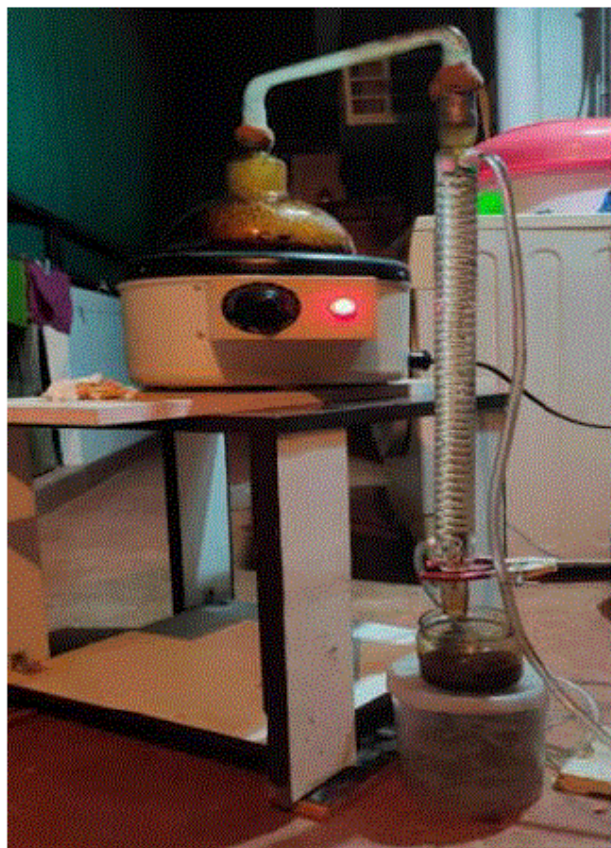
21: 2024/04029. 22: 2024/05/23. 43: 2024/12/09
51: A61K

71: DR SUNITA KUMARI, DR RADHEY SHAM
72: DR SUNITA KUMARI, DR RADHEY SHAM
33: IN 31: 202411001425 32: 2024-01-08

54: NOVEL FORMULATION OF AN ALMOND HULL-BASED TOPICAL EXTRACT COMBINED WITH HERBS IN TREATING SKIN-RELATED FUNGAL INFECTIONS, PSORIASIS, ECZEMA, AND ALOPECIA ARETA

00: -

A comprehensive evaluation of diverse extraction techniques including maceration, Soxhlet extraction, ultrasonic extraction, cold percolation, reflux extraction, and Soxhlet extraction with various solvents delineated the most effective method. The cold percolation extraction process and fume generation method using methanol emerged as the optimal technique. This method, characterized by an extended duration and a gentle approach, facilitated a robust extraction of key bioactive compounds—Amygdalin from almond hull, Quercetin from calendula, and Apigenin from chamomile. This methodology ensured a well-rounded representation of potent compounds, forming the cornerstone for subsequent formulation development. Building upon the refined extraction methodologies, the formulations underwent meticulous development to ascertain the blend yielding superior efficacy. Among the formulated blends, Formulation 2 emerged as the frontrunner, comprising 40% almond hull, 30% calendula, and 30% chamomile extracts. This formulation showcased remarkable efficacy in mitigating skin-related concerns. Its synergistic effects demonstrated significant improvements in addressing fungal infections, psoriasis severity, eczema symptoms, and alopecia areata-related hair regrowth. The balanced composition of Formulation 2 maximized the cumulative benefits of each herb, reflecting heightened efficacy across dermatological conditions. This invention underscores the pivotal role of extraction methodologies and formulation development in harnessing the therapeutic potential of herbal blends for dermatological care. The optimized cold percolation extraction method using methanol facilitated a comprehensive extraction of active compounds, laying the foundation for the formulation development. Formulation 2, arising from this extraction approach, emerged as the most efficacious blend, showcasing promising outcomes in addressing diverse dermatological conditions. In conclusion, the refined extraction methodology and the formulation underscore a significant leap in Phyto-Dermatological Innovation, offering a potent, natural, and gentle approach towards skincare. This combination of optimized extraction methods and formulations holds promise in revolutionizing dermatological care, paving the way for future advancements in holistic skincare solutions.



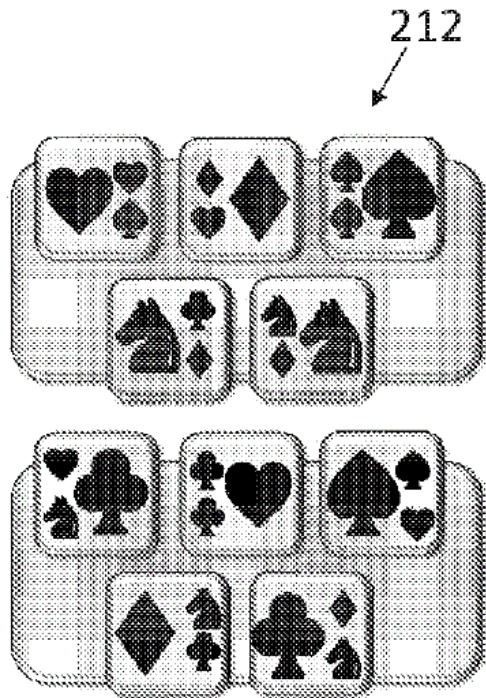
21: 2024/04048. 22: 2024/05/23. 43: 2024/12/09
 51: G06F; H04W
 71: PEREZ GRANDE, Pedro
 72: PEREZ GRANDE, Pedro, SUAREZ CORONA, Adriana Remedios
 33: ES 31: P202131005 32: 2021-10-26

54: MUTUAL AUTHENTICATION SYSTEM AND METHOD

00: -

The present invention relates to a mutual authentication method and system. The system includes: - a virtual keyboard generation unit (210) to obtain (110) a keyboard (112) configuration of a user (201), including graphic features (114), arrangements (116) and keyboard generation rules (118); and generating (120) a virtual keyboard (212) made up of keys (214) having a combination of graphic features (114) in certain arrangements (116) based on the keyboard generation rules (118); - an input interface (230) to receive (140) a selection of keys (144) of the virtual keyboard (212); - an authentication unit (240) to apply (160) authentication rules (152) of the user (201) on the

virtual keyboard (212), obtaining at least one correct key sequence (162), and authenticating (170) the user (201) if the key selection (144) is validated with respect to a correct key sequence (162).



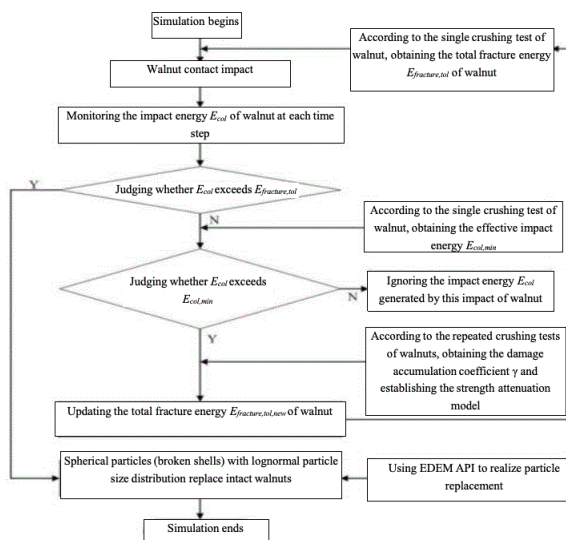
21: 2024/04055. 22: 2024/05/24. 43: 2024/12/09
51: G06F
71: Tarim University

72: ZENG Yong, MAO Biqi, MA Jiale, SU Gege, CHEN Peiyu, FAN Xiuwen, ZHANG Hong, WANG Jianping

54: NUMERICAL SIMULATION METHOD OF NUT SHELL CRUSHING BASED ON DISCRETE ELEMENT

00: -
The invention discloses a numerical simulation method of nut shell crushing based on discrete element, which comprises the following steps: firstly, measuring the characteristic size of nut particles, and determining the size of crushed nuts according to mass conservation; secondly, with the help of conventional physical and mechanical testing machine, the single and repeated crushing tests of nuts were carried out to obtain the fracture energy distribution of nuts, and the total fracture energy, fracture probability and cumulative fracture distribution of nuts were determined. Thirdly, the probability model of nut breakage is constructed and

the effective impact energy is obtained. Moreover, the cumulative damage model of nuts is constructed and iteratively solved to obtain the cumulative damage factor and establish the attenuation model. Finally, according to steps 2, 3 and 4, the discrete element numerical simulation method of nut shell crushing is established by referring to the particle replacement method in discrete element. In addition, the proposed discrete element simulation method is verified by nut vibration crushing test. The invention can be use for numerically analyzing that broken mechanism of the fruit shell and optimally design the structural parameters of the shell crushing device.



21: 2024/04056. 22: 2024/05/24. 43: 2024/12/09
51: A01K

71: Heilongjiang River Fisheries Research Institute, Chinese Academy of Fishery Sciences
72: XU Gefeng, GU Wei, LIU Enhui, HUANG Tianqing, WANG Gaochao

54: METHOD SUITABLE FOR RAINBOW TROUT FULL-FEMALE DIPLOID BREEDING

00: -
The invention discloses a method suitable for rainbow trout full-female diploid breeding, belonging to the technical field of aquatic animal breeding. The method suitable for rainbow trout full-female diploid breeding disclosed by the invention is realized through the following steps: 1. fish eggs and semen are collected respectively by manual methods; 2. washing fish eggs with normal saline and diluting semen with artificial culture solution; 3. fertilization of fish eggs; 4. incubation of fully female diploids; and 5. hatch to obtain juvenile fish. When the method of

the invention is adopted to breed the rainbow trout, the total female rate can reach 92%, and the method can be applied to the field of rainbow trout total female diploid breeding and production.

21: 2024/04057. 22: 2024/05/24. 43: 2024/12/09
 51: G06N; G06Q
 71: General Hospital of Xuzhou Mining Group
 72: WANG, Kai
 33: CN 31: 202410396122.0 32: 2024-04-02

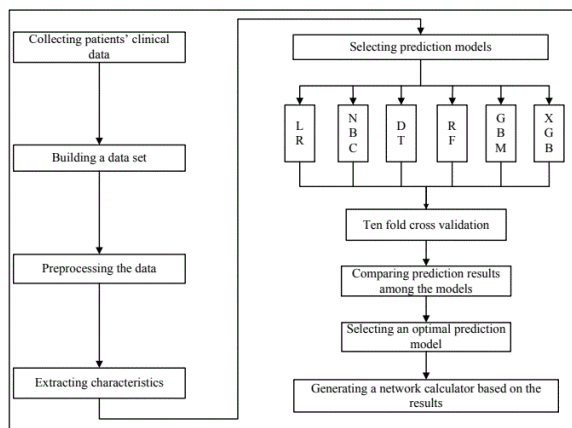
54: MACHINE LEARNING-BASED SAP PREDICTION MODEL BUILDING METHOD, DEVICE AND PRODUCT

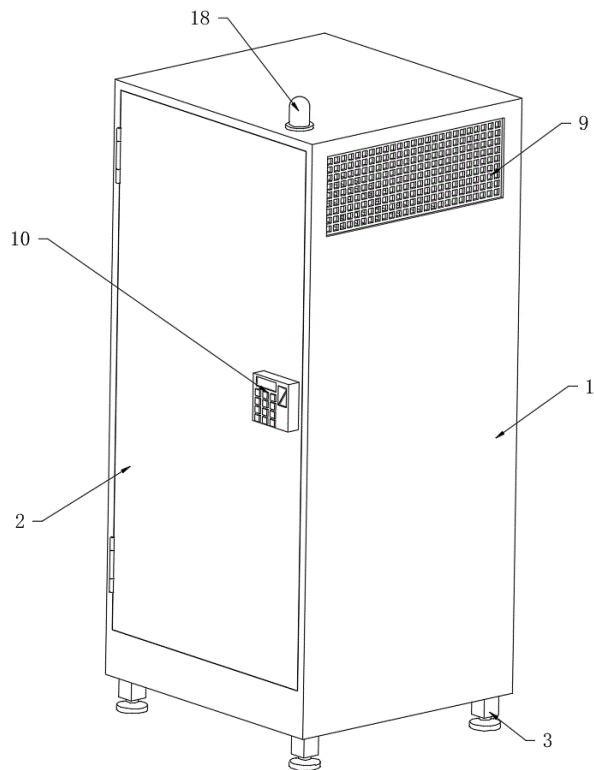
00: -
 Disclosed is a machine learning-based SAP prediction model building method, device and product, wherein the model building device includes: a data acquisition module, used to acquire clinical disease characteristics of ischemic stroke patients suffering from SAP and ischemic stroke patients not suffering from SAP, and determine key characteristics of SAP from the clinical disease characteristics; a model building and training module, used to train various machine learning models with the key characteristics of SAP as model inputs and SAP severity levels as labels to obtain a plurality of trained machine learning models; and a model screening module, used to evaluate each of the trained machine learning models and screen out an optimal machine learning model as an SAP prediction model. Key characteristics of SAP are determined, and then a plurality of machine learning models are trained with the key characteristics, so as to obtain an SAP prediction model.

21: 2024/04058. 22: 2024/05/24. 43: 2024/12/09
 51: E05B
 71: Anhui Vocational College Of Defense Technology
 72: Cai Zhengbao

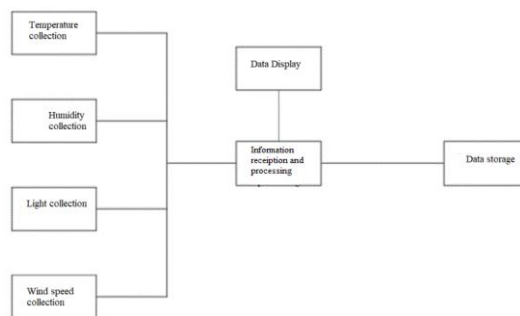
54: A COMPUTER INFORMATION SECURITY STORAGE ANTI-THEFT DEVICE

00: -
 The present invention discloses a computer information security storage anti-theft device and the technical field of information security equipment, including a cabinet body and a cabinet door. The cabinet body and cabinet door are connected by hinges, and the bottom of the cabinet body is equipped with multiple support legs. The cabinet body is equipped with an information storage rack, and the bottom of the cabinet body is provided with a ventilation opening. A cross shaped installation plate is connected to the ventilation opening, and the bottom of the installation plate is equipped with a motor. The output shaft of the motor runs through the installation plate and is connected to multiple blades. The cabinet door is equipped with a fingerprint password lock. The present invention is equipped with two anti-theft measures on the information cabinet, among which the card block of the second anti-theft measure belongs to a hidden design, and the existence of the second anti-theft measure is unknown to criminals, effectively improving the anti-theft ability of the information cabinet. The two theft methods of forcibly prying open and powering off have been targeted, further strengthening the storage security of computer information.





amplifier. The signal ensures that it will not be directly ignored when the wind speed is small, reducing errors.



21: 2024/04068. 22: 2024/05/24. 43: 2024/12/09
 51: G01R
 71: Taicang Subo Information Technology Co., Ltd.
 72: SUN, Hui

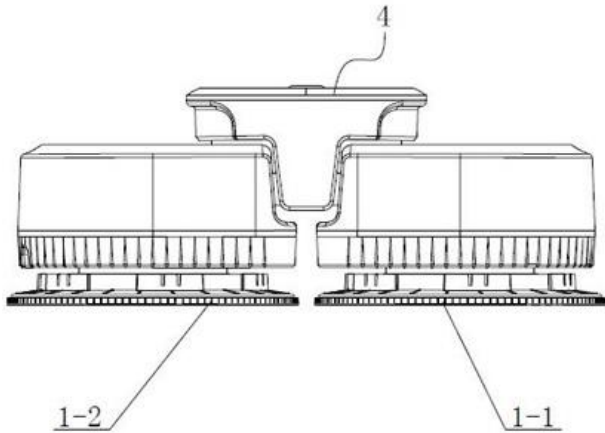
54: INTELLIGENT MULTIPLE DATA TEST AND MEASUREMENT CIRCUIT

00: -
 The present application discloses an intelligent multiple data test and measurement circuit, including temperature collection, humidity collection, light collection, wind speed collection, information reception and processing, data display and data storage. The temperature collection connection information reception and processing, humidity collection connection information reception and processing, lighting collection connection information reception and processing, wind speed collection connection information reception and processing, information reception and processing connection data display and data storage. Compared with the existing technology, the beneficial effects of the present application are: the solution collects wind speed signals through multiple collectors, effectively solves the problem of large errors that may be caused by a single collector, and at the same time amplifies the collected wind speed through an

21: 2024/04078. 22: 2024/05/24. 43: 2024/12/11
 51: A47L
 71: LUO, Jichuan
 72: GAO, Xiongwei, LUO, Jichuan
 33: CN 31: 202210112901.4 32: 2022-01-29

54: CLEANING ROBOT AND MOTION CONTROL METHOD THEREOF

00: -
 A cleaning robot with motion control comprises cleaning elements that form chambers with a surface to be cleaned. A suction module draws air into the chambers, creating negative pressure to secure the cleaning elements onto the surface. The driving module rotates the cleaning elements around perpendicular axes. A controller manages the suction and driving modules. The bridge frame connects multiple cleaning elements and the driving module. Some cleaning elements can deflect relative to the bridge frame, allowing their rotation axes to intersect. This design enables the robot to adapt to curved surfaces, meeting diverse cleaning needs.



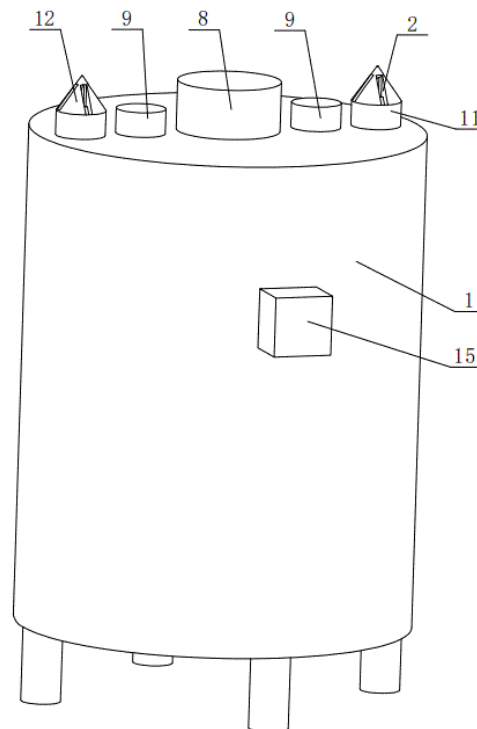
21: 2024/04100. 22: 2024/05/27. 43: 2024/12/18
 51: A01K
 71: INSTITUTE OF ANIMAL HUSBANDRY,
 HEILONGJIANG ACADEMY OF AGRICULTURAL
 SCIENCES
 72: YUE, Shan, ZHAO, Xiuhua, SUN, Jinyan, PENG,
 Fugang, ZHANG, Yuanliang, LIU, Guojun
**54: METHOD FOR IMPROVING EGG LAYING
 PERFORMANCE OF GEESE**

00: -
 The present invention discloses a method for improving egg laying performance of geese, which specifically includes the following steps: (1) site selection; (2) a variety; (3) a brooding period; (4) a pre-laying period; (5) an egg laying period; and (6) disease prevention. The present invention significantly improves an annual egg yield and an average egg weight of geese, and obtained goose egg products have high contents of nutritional components and high safety performance, do not contain any pigments or antibiotics, and are deeply popular among people. In addition, the method of the present invention has simple operation, low equipment requirements, low cost and great social and economic benefits.

21: 2024/04101. 22: 2024/05/27. 43: 2024/12/18
 51: B01J
 71: Henan Hongtai Diamond Technology Co., Ltd
 72: Feng Shuli
**54: A CATALYST POWDER PRODUCTION
 DEVICE FOR DIAMOND SYNTHESIS**

00: -
 The present invention discloses a catalyst powder production device for diamond synthesis, comprising a shell. A feeding device is provided at the center of

the upper end face of the shell, and multiple gas dissipation devices are provided on the upper end face of the shell. The gas dissipation device is used for discharging water vapor; There is a ring-shaped heating component at the lower end of the shell, and an inner cavity is formed between the heating component placed in the shell and the space above it. A baffle is fixed in the inner cavity in the middle of the heating component, which is vertically placed and divides the inner cavity in the middle of the heating component into a first cavity and a second cavity; The upper end of the baffle is equipped with a guiding element, and the middle of the lower end face of the guiding element is hinged on the upper end of the baffle, so that the guiding element can alternately tilt towards the first or second chamber; The first chamber and the second chamber are fixed with multiple vertically arranged directional components, and adjacent directional components are arranged in a staggered manner in the vertical direction; The center of the lower end face of the shell is equipped with a discharge pipe, and the upper end of the discharge pipe is connected to the lower parts of the first and second chambers. This invention solves the problem of uneven drying of catalyst powder.



21: 2024/04102. 22: 2024/05/27. 43: 2024/12/18
51: B24B

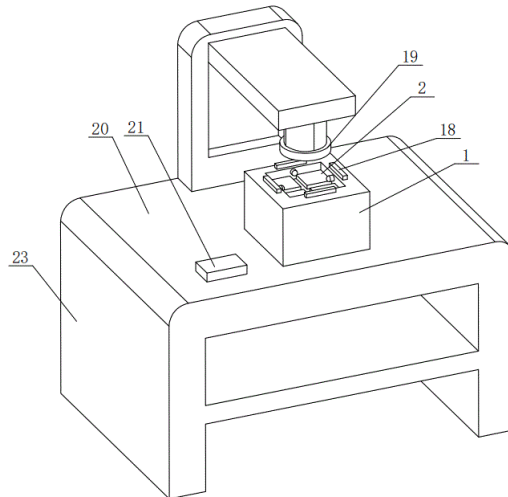
71: Jiaruifu Diamond (Henan) Co., Ltd

72: Feng Canjun

54: A DIAMOND POLISHING AND POLISHING DEVICE

00: -

The present invention discloses a diamond polishing and polishing device, comprising a polishing machine, which is equipped with a clamping fixture and a polishing device. The polishing machine is equipped with an operating table, and a shell is provided in the middle of the upper end face of the operating table. The upper end face of the shell is provided with a rectangular groove, and a circular hole is provided on the upper end face of the rectangular groove. A top rod is inserted into the circular hole, and the top rod always extends towards the center of the rectangular groove; The lower part of the cavity inside the shell is equipped with a rectangular plate, and the upper end face of the rectangular plate is hinged with a rectangular rod. The upper end of the rectangular rod is placed at the centerline of the side wall of the cavity inside the shell, and the rectangular rod is always subjected to outward deflection; The upper part of the rectangular plate is equipped with a skateboard, which can slide up and down in the cavity of the shell. The middle of the skateboard wraps around the lower end of the rectangular rod, and the upward sliding of the skateboard drives the upper end of the rectangular rod to swing towards the middle; The bottom surface of the rectangular groove is provided with a rectangular through-hole, and when the upper end of the rectangular rod is skewed, it can enter the rectangular groove through the rectangular through-hole. This invention solves the problem of unstable diamond clamping and inability to place it at the center of the polishing device.



21: 2024/04103. 22: 2024/05/27. 43: 2024/12/18
51: C12Q; G06T

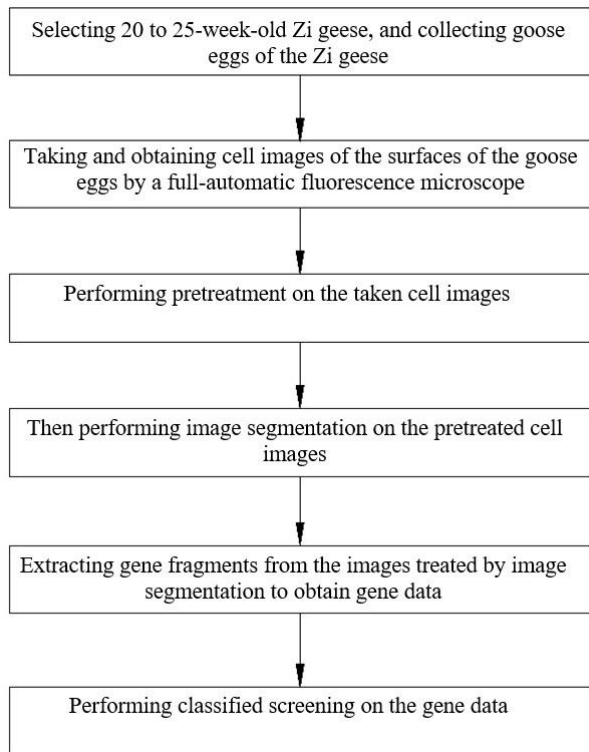
71: INSTITUTE OF ANIMAL HUSBANDRY,
HEILONGJIANG ACADEMY OF AGRICULTURAL
SCIENCES

72: ZHANG, Yuanliang, SUN, Jinyan, ZHAO,
Xiuhua, PENG, Fugang, YUE, Shan

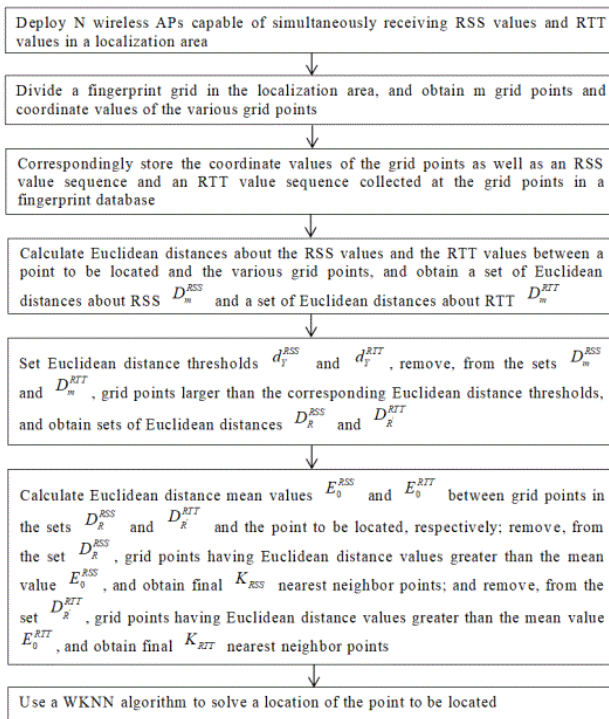
**54: RELATED GENE SCREENING METHOD OF
GOOSE LAYING PERFORMANCE**

00: -

The present invention discloses a related gene screening method of goose laying performance. The gene screening method includes the following steps: A, selecting Zi geese and collecting goose eggs; B, taking cell images of the surfaces of the goose eggs; C, pretreatment; D, image segmentation; E, extracting gene fragments to obtain gene data; and F, classified screening. The related gene screening method adopted by the present invention is simple in principle, high in screening efficiency and high in accuracy, and improves performance analysis of laying by the Zi geese.



RSS fingerprint reference point (RP) and Wi-Fi RTT fingerprint RP to fuse the advantages of the two to improve the localization accuracy.



21: 2024/04105. 22: 2024/05/27. 43: 2024/12/18
51: H04W

71: China Nonferrous Metal Changsha Survey and Design Institute Co., Ltd.

72: Du Nianchun, Wu Wei, Shen Xiangqian

33: CN 31: 2023107108533 32: 2023-06-15

54: WEIGHTED K-NEAREST NEIGHBOR LOCALIZATION METHOD BASED ON DUAL FINGERPRINT PARAMETERS AND LOCALIZATION SYSTEM

00: -

The present invention provides a weighted K-nearest neighbor (WKNN) localization method based on dual fingerprint parameters, which fuses a current new wireless fidelity (Wi-Fi) round-trip time (RTT) technology, stores the ranging information of Wi-Fi RTT in a real environment into a fingerprint database together with received signal strength (RSS) indicators, overcomes the singularity of a data source for fingerprint database establishment in conventional Wi-Fi fingerprint localization, and improves the accuracy of conventional Wi-Fi fingerprint localization while improving the application range of Wi-Fi RTT. According to the present invention, K can be dynamically selected in WKNN, error points can be eliminated to improve the localization accuracy; and in WKNN solving, a weighting coefficient is added to the selected Wi-Fi

21: 2024/04106. 22: 2024/05/27. 43: 2024/12/18
51: G01B

71: China Nonferrous Metal Changsha Survey and Design Institute Co., Ltd.

72: Du Nianchun, Shen Xiangqian, Huang Yi, Xie Xiang

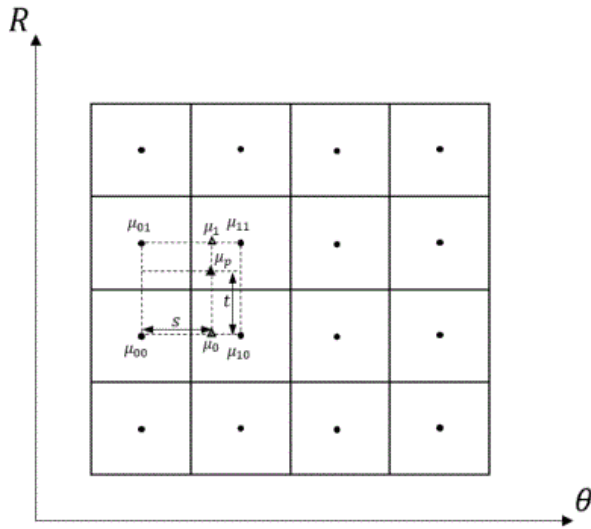
33: CN 31: 2023115030649 32: 2023-11-13

54: EARLY-WARNING METHOD FOR SLOPE MONITORING, COMPUTER-READABLE STORAGE MEDIUM AND COMPUTER DEVICE

00: -

The present invention relates to the technical field of slope deformation monitoring, and specifically provides an early-warning method for slope monitoring, including: establishing a correspondence between each three-dimensional (3D) point in a 3D point cloud and each pixel of a two-dimensional (2D) radar image by a spatial interpolation method, assigning a deformation value to a point cloud within a radar monitoring range of slope deformation monitoring, and gridding the 3D point cloud by a barycentric interpolation method to realize a rapid calculation of an area of an early-warning region. The present invention further discloses a computer-readable storage medium storing a computer

program, the computer program being suitable for being loaded by a processor and executing the above mentioned early-warning method for slope monitoring. The present invention further discloses a computer device including a memory and a processor, the memory storing a computer program, and the computer program, when executed by the processor, running the above mentioned early-warning method for slope monitoring.



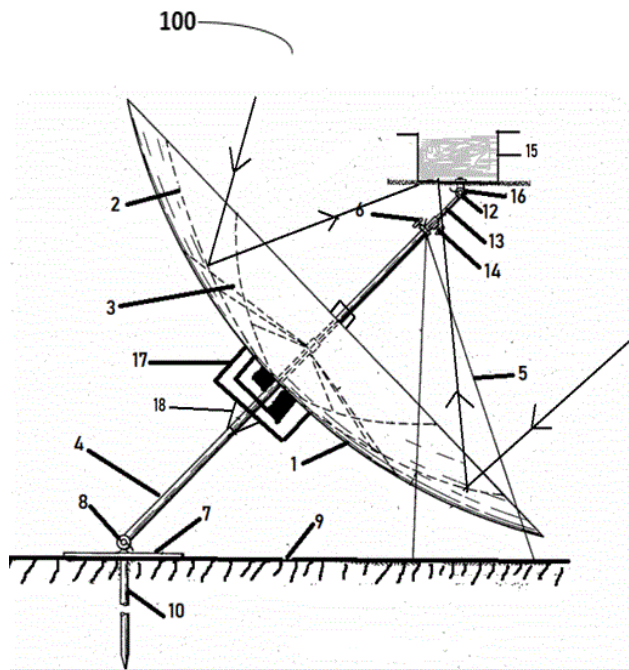
21: 2024/04107. 22: 2024/05/27. 43: 2024/12/18
 51: G06Q
 71: PATNAIK, Rabinarayan, KANIKE, Uday Kumar
 72: PATNAIK, Rabinarayan, KANIKE, Uday Kumar
54: SYSTEM FOR OPTIMIZATION OF SUPPLY CHAIN FINANCE MANAGEMENT BASED ON BIG DATA

00: -
 The present invention relates to provide a system for optimization of supply chain finance management based on big data. It offers comprehensive functionalities ranging from cash flow optimization and working capital management to supplier relationship enhancement and risk mitigation. Through advanced predictive analytics and dynamic financial modeling, stakeholders can anticipate challenges, optimize strategies, and capitalize on emerging opportunities. The system ensures data democratization through intuitive dashboards and customizable reports tailored to various stakeholders' needs. Security and compliance are prioritized, and scalability is designed to meet the evolving demands of organizations of all sizes. This system represents a transformative approach to

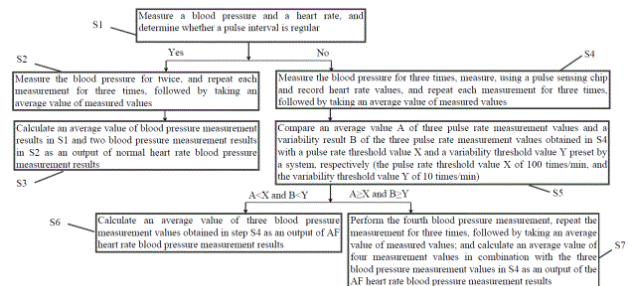
supply chain finance management, empowering organizations to thrive in today's dynamic business environment.

21: 2024/04108. 22: 2024/05/27. 43: 2024/12/18
 51: F24S
 71: Dr. Arjyadhara Pradhan, Dr. Srikanta Mohapatra, Biswaranjan Acharya, Dr. Kananbala Ray, Dr Lipika Nanda, Dr. Sarita Samal, Dr. Sanhita Mishra
 72: Dr. Arjyadhara Pradhan, Dr. Srikanta Mohapatra, Biswaranjan Acharya, Dr. Kananbala Ray, Dr Lipika Nanda, Dr. Sarita Samal, Dr. Sanhita Mishra
54: UMBRELLA TYPE SOLAR COOKER WITH TRACKING SYSTEM

00: -
 The present invention is an umbrella-type solar cooker system with an automatic tracking mechanism for efficient and portable solar cooking. It features a foldable, aluminized reflective cover forming a paraboloid shape when extended over ribs, concentrating solar radiation onto a food container. The system includes an adjustable rod support mounted on a stable base, stabilized by supporting wires, and anchored by a ground stake. An automatic tracking unit optimizes the orientation of the reflective cover to follow the sun's movement. The food holder stand, with a unidirectional joint and supporting rod, securely holds the black-painted food container for maximum heat absorption. A slider mechanism facilitates easy opening and closing of the reflective cover, enhancing portability and storage. This design addresses traditional solar cookers' limitations, offering a compact, user-friendly solution suitable for various cooking applications, promoting renewable energy use.



pressure measurement in the patient with AF by reasonably increasing the number of measurements.

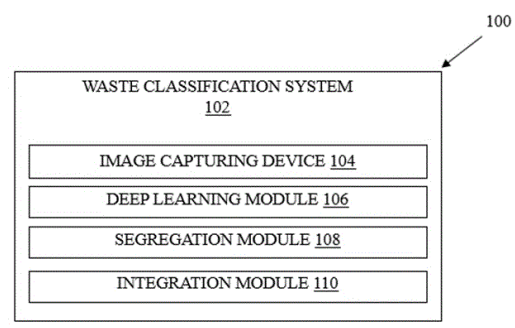


21: 2024/04110. 22: 2024/05/27. 43: 2025/01/02
 51: A61B
 71: Shunde Hospital, Southern Medical (The First People's Hospital of Shunde)
 72: Huang Yuli, Mai Shaojun, Hao Shali, Huang Xiaohui
54: METHOD FOR IMPROVING ACCURACY OF BLOOD PRESSURE MEASUREMENT IN PATIENT WITH ATRIAL FIBRILLATION

00: -
 The present application relates to the technical field of biological electrocardiogram detection, and specifically provides a method for improving accuracy of blood pressure measurement in a patient with atrial fibrillation (AF). A pulse sensing chip and a pulse rate variability calculation chip are added to an electronic sphygmomanometer. The measurement specifically includes the following steps: S1: measuring a blood pressure and a heart rate of a subject using the electronic sphygmomanometer, and determining whether a pulse interval is regular, the measurement entering a normal heart rate measurement step S2 if the pulse interval is regular; and it being determined to be an AF heart rate, and the measurement entering an AF heart rate measurement step S4 if the pulse interval is irregular. In the solution, two factors of pulse rate and pulse rate variability are combined to obtain a comprehensive evaluation result, and it is effectively solved the problem of insufficient accuracy of blood

21: 2024/04111. 22: 2024/05/27. 43: 2024/12/18
 51: B65F
 71: Manipal University Jaipur
 72: Dr. Saurabh Sharma
 33: IN 31: 202411036598 32: 2024-05-09
54: WASTE CLASSIFICATION SYSTEM AND METHOD FOR SAME
 00: -

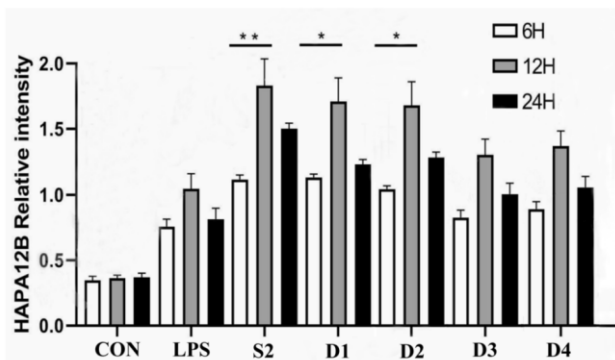
A waste classification system (102), comprising an image capture module (104) for acquiring visual data of waste items, a deep learning module (106) utilizing a convolutional neural network architecture for analyzing the captured visual data and classifying the waste items into predetermined categories, a waste segregation module (108) for directing the classified waste items to respective disposal streams based on the categorization results from the deep learning module and an integration module (110) for interfacing with existing waste management infrastructure. FIG. 1



21: 2024/04112. 22: 2024/05/27. 43: 2024/12/18
 51: A61K; A61P
 71: HEILONGJIANG UNIVERSITY OF CHINESE MEDICINE
 72: Qun LIANG, Han LIU, Xiaosheng GUO, Jie YU
 33: CN 31: 202410483362.4 32: 2024-04-22

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR ALLEVIATING ACUTE LUNG INJURY IN SEPSIS, AND PREPARATION METHOD THEREOF

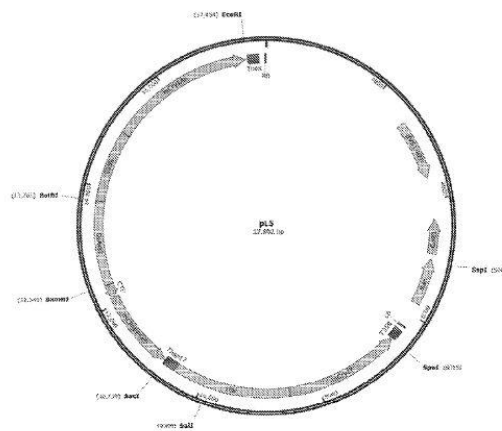
00: -
 A traditional Chinese medicine composition for alleviating acute lung injury in sepsis, and a preparation method thereof. The TCM composition includes: 15-25 parts of Astragalus, 15-25 parts of buffalo horn, 20-30 parts of Acorus tatarinowii, 10-20 parts of fried Drabanemerosa hebecarpa, 10-20 parts of Polygonum cuspidatum, 10-20 parts of Fructus aurantii, 10-20 parts of Salvia miltiorrhiza, 10-15 parts of Ligusticum wallichii, 10-15 parts of Poria cocos, 10-15 parts of Houttuynia cordata, 5-15 parts of Platycodon grandiflorum, and 5-15 parts of Licorice. The preparation method includes: preparing the raw materials into 20-30 mesh coarse powders, adding water with 5-10 times the weight of the raw materials of the TCM composition for decocting for 2-4 times, where each time of decocting lasts 1-2 hours, and filtering; and concentrating the filtrate into an extractum with a relative density of 1.1-1.3, cooling and sterilizing the extractum to obtain the TCM composition.



21: 2024/04114. 22: 2024/05/27. 43: 2024/12/18
 51: C12N; C12Q
 71: BEIJING GUOFENG BIOTECHNOLOGY CO., LTD
 72: WANG, Lei
 33: CN 31: 202111420976.0 32: 2021-11-26
54: INSECT-RESISTANT AND HERBICIDE-RESISTANT TRANSGENIC CORN AND CULTIVATION METHOD THEREFOR

00: -
 Provided are an insect-resistant and herbicide-resistant transgenic corn and a cultivation method therefor. The method comprises combining the

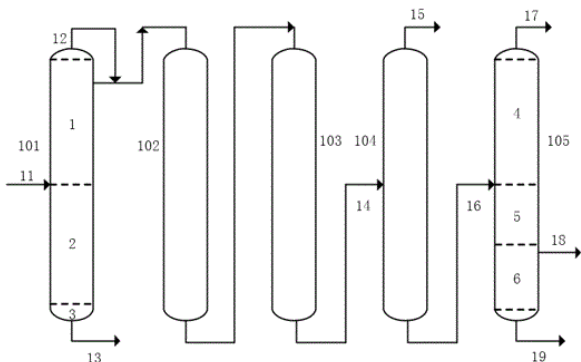
mCry1Ab, mCry1F and mCP4EPS genes into the form of a gene tandem expression cassette, and integrating same into a receptor corn material. Therefore, compared with a single-gene insect-resistant or herbicide-resistant gene used in the prior art, the resistance of the transgenic corn against lepidopterans is improved, and the tolerance of the transgenic corn to glyphosate also reaches a high resistance level.



21: 2024/04126. 22: 2024/05/27. 43: 2024/12/18
 51: C07C; C10G
 71: HUAIBEI NORMAL UNIVERSITY
 72: Lei ZHU, Zhiguo LI, Hui LI, Da LI, Xin LI, Fengyu LI, Shuqun LIU, Lihua LIU
 33: CN 31: 202211093852.0 32: 2022-09-08
54: METHOD FOR PRODUCING HIGH BOILING POINT SOLVENT OIL AS BY-PRODUCT BY CRUDE BENZOL REFINING

00: -
 The disclosure belongs to the technical field of crude benzol refining and provides a method for producing high boiling point solvent oil as a by-product by crude benzol refining. The method includes the following steps: first, preheating crude benzol and feeding crude benzol into a pre-distillation column to remove low boiling point compounds and heavy benzol; and performing a hydrorefining reaction, wherein the treated refined materials enter two rectifying columns to produce high purity benzene, high purity toluene and xylene and produce high boiling point solvent oil as a by-product. The method has the advantages of simple process, stable operation, low production cost, high recovery rate of aromatic hydrocarbons, no need to additionally

arrange separating apparatuses such as the rectifying column, so that the economic benefit and the social benefit of an enterprise are increased.

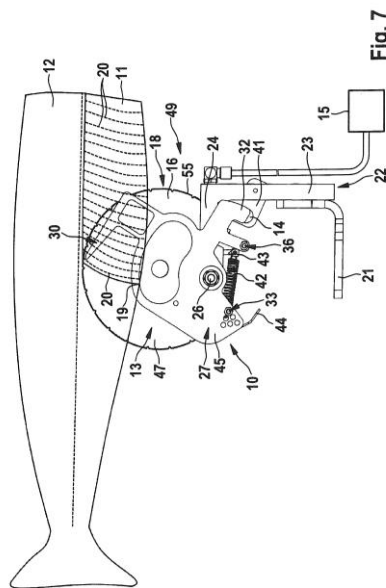


21: 2024/04127. 22: 2024/05/27. 43: 2024/12/18
 51: C03C; C08G; C09D
 71: EXXERGY GMBH
 72: YOLDAS, Bulent, BROWN, John, SAUER, Thomas C.
 33: DE 31: 10 2021 129 250.6 32: 2021-11-10
54: IMPROVEMENT OF GLASS STRENGTH AND FRACTURE TOUGHNESS BY A NON-BRITTLE COATING

00: -
 The present invention relates to the a coating and the preparation thereof for improving glass strength and fracture toughness comprising the hydrolytic polycondensation product of one or more alkoxy silane(s) with one or more metal oxide(s) and/or metal alkoxide(s) in the presence of water and a catalyst. The present invention also relates to the use of the coating for repairing damaged silica containing materials.

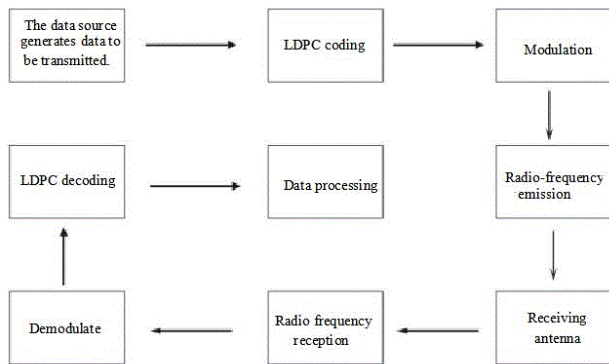
21: 2024/04132. 22: 2024/05/27. 43: 2025/01/14
 51: A22C
 71: NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG
 72: TYCHSEN, Werner
 33: WO 31: PCT/EP2021/083171 32: 2021-11-26
54: SENSING HEAD FOR DETERMINING THE LENGTH OF THE ABDOMINAL CAVITY OF A SLAUGHTERED, DECAPITATED AND GUTTED FISH, PROCESSING STATION HAVING A KNIFE UNIT AND A SENSING HEAD OF THIS TYPE, AND DEVICE AND METHOD FOR PROCESSING, IN PARTICULAR FILLETING, SLAUGHTERED, DECAPITATED AND GUTTED FISH
 00: -

The invention relates to a sensing head (10) designed and configured to determine the length of the abdominal cavity (11) of a slaughtered, decapitated and gutted fish (12) which is transported in the transport direction (T) with the head side to the front, comprising at least one sensing probe (13) and at least one sensor (14) that can be triggered by the sensing probe (13), which sensor is connected to a control device (15) which is designed and configured to receive and process incoming measurement signals. The sensing head (10) is at least partially designed to be positioned between two circular knives (16, 17) of a knife unit (18) in order to perform a filleting cut on the fish (12) and is configured such that the or each sensing probe (13) can be brought into operative connection with a side bone (20) of the fish (12) closest to the anus (19) of the fish (12). The invention also relates to a processing station (49), which comprises at least one knife unit (18) and the sensing head (10), and to a device (57) and a method for processing slaughtered, decapitated and gutted fish (12), which are transported in the transport direction (T) with the head side to the front.



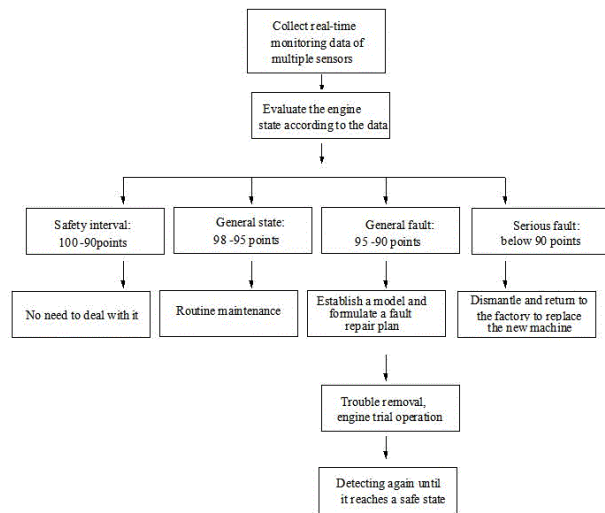
21: 2024/04161. 22: 2024/05/28. 43: 2024/12/18
 51: H04B
 71: Jiaxing Vocational & Technical College
 72: Yanjun Ji, Yongqi Wang, Yuyang Ji, Naijia Xiao
54: LOW-POWER LONG-DISTANCE COMMUNICATION OF UNMANNED AERIAL VEHICLES BY USING LDPC CODES

00: -
 The invention discloses a method for low-power long-distance communication of an unmanned aerial vehicle by using LDPC codes, and belongs to the field of communication engineering. By adopting low-power communication technology and low-density parity-check code (LDPC code) technology, the reliability and anti-interference ability of communication link are improved, the system energy consumption is significantly reduced, and long-distance and high-reliability data transmission is realized. The invention uses a low-power image sensor to solve the problem of incomplete video recording during passive triggering from two aspects of space and time. The low-power sensor has the functions of caching images and detecting objects in the picture. The system is equipped with dual cameras for continuous detection, and the normal picture is recorded with events, and it is dormant when there is no emergency. Low-power sensors keep temporarily storing images at low current, and convert the cached images into pre-recorded videos when emergencies occur, thus solving the problem of video loss before emergencies.



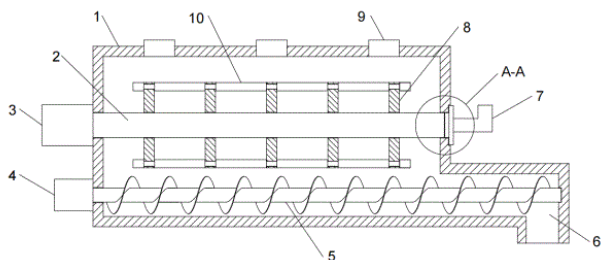
21: 2024/04162. 22: 2024/05/28. 43: 2024/12/18
 51: G06K
 71: Jiaxing Vocational & Technical College
 72: Yongqi Wang, Hongxin Wang, Yanjun Ji
54: AIRCRAFT ENGINE FAULT PREDICTION METHOD
 00: -
 The invention belongs to the technical field of aircraft engine fault prediction, and the prediction method aims to solve the technical problems of manual judgment of possible fault information of the engine, disassembly of the engine for fault investigation, great technical difficulty and long time consumption

in the prior art. An aircraft engine fault prediction method: the steps are as follows: Step 1: collecting data; Step 2, evaluating the state of the engine; Step 3: implementing the corresponding engine treatment scheme according to the state interval. According to the invention, a plurality of real-time detection data of the aircraft engine are collected at regular intervals for comprehensive evaluation, so that the detection range of the whole service cycle of the engine is covered, potential fault signs and abnormal situations can be identified in time, and problems occurring in the aircraft engine are processed and analyzed by comparing the fault information base, so that the prediction speed is high, and the problems that the engine needs to be disassembled for fault investigation and the technical difficulty is high are avoided.



21: 2024/04165. 22: 2024/05/28. 43: 2025/01/02
 51: C06B
 71: China Coal Technology Engineering Group Huaibei Blasting Technology Research Institute Co., Ltd.
 72: Xia Guang, Li Yong, Yang Zongling, Zhang Zhigang, Zhang Chengjun, Li Juanjuan, Lin Fei, Wang Xiaohong, Huang Song, Liu Wei, Pan Xianfeng, Wang Xiaoyun, Zhang Chong
54: ARCH-BREAKING DEVICE AND METHOD FOR MATERIAL BLOCKAGE OF EXPLOSIVE ON-SITE MIXING AND CHARGING TRUCK
 00: -
 The present invention provides an arch-breaking device and method for material blockage of an explosive on-site mixing and charging truck. The device includes a stock bin, an arch-breaking

assembly and a feeding assembly. The arch-breaking assembly includes a main stirring shaft penetrating through the stock bin and rotatably connected to the stock bin, one end of the main stirring shaft being fixedly connected to an output shaft of a first hydraulic motor, the first hydraulic motor being fixed on an outer side of the stock bin, a plurality of uniformly distributed stirring paddles being sleeved on the main stirring shaft, and the stirring paddles being fixedly connected to the main stirring shaft via first fastening screws; and further includes stirring rods for connecting the plurality of stirring paddles, the stirring rods being fixedly connected to the stirring paddles via fixing covers, and the fixing covers being sleeved at ends of the stirring paddles away from the main stirring shaft and fixedly connected to the main stirring shaft via second fastening screws. In the present invention, the problem of arching of ammonium nitrate due to moisture absorption in the explosive on-site mixing and charging truck is effectively solved.



21: 2024/04167. 22: 2024/05/28. 43: 2024/12/18
 51: G06F
 71: GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD

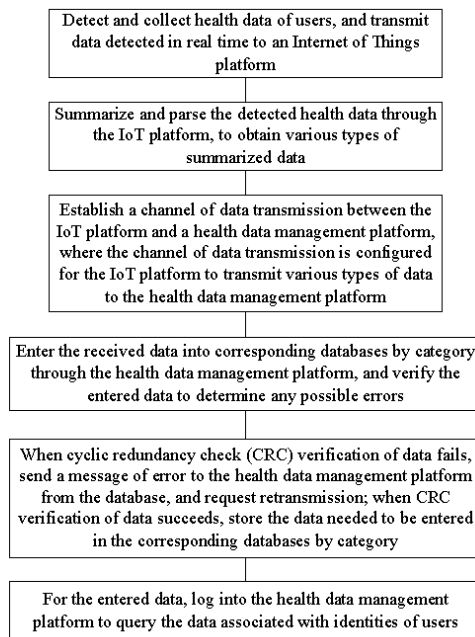
72: LIU, Enping, LIU, Yidi, TAN, Ping, LIU, Sujun, WANG, Shengxiang

54: HEALTH DATA MANAGEMENT METHOD

00: -

Disclosed is a health data management method, which relates to the technical field of health data management. The present invention reduces complexity of medical information by summarizing and associating health data collected, and reduces the redundancy of medical detection data by associating similar data, thus improving the efficiency of health data management. By building different types of databases for classified management of data generated in the medical detection process, the present invention improves

the particularity of medical information, reduces the generation of unordered medical information, and avoids the accumulation of redundant data. Through cyclic redundancy check (CRC) verification of each entered data, the present invention reduces the error rate of healthcare data entry and enhances the security and reliability of healthcare data management.



21: 2024/04168. 22: 2024/05/28. 43: 2024/12/18
 51: E04H

71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences

72: SONG Enliang, YOU Wei, CHENG Haijian, JIANG Fugui, HU Xin

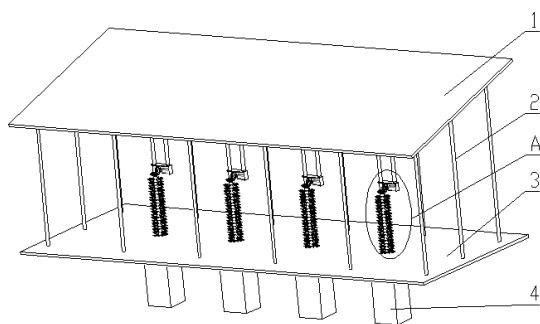
33: CN 31: 2024206853365 32: 2024-04-03

54: PHOTOVOLTAIC CATTLE FARM WITH COMPLEMENTARY ANIMAL HUSBANDRY AND PHOTOVOLTAIC POWER GENERATION

00: -

The invention provides a photovoltaic cattle farm with complementary animal husbandry and photovoltaic power generation, which belongs to the field of animal husbandry equipment. Its technical solution is as follows: it includes a cattle shed; the cattle shed includes a number of support columns arranged on the ground, a mounting frame is arranged on the upper side of the support columns, a number of photovoltaic panels are installed in the mounting frame, and the photovoltaic panels

constitute the roof of the shed. A brush assembly is arranged on the periphery of the support column, and the brush assembly includes a circular tube 1 rotatably arranged on the periphery of the support column, and a number of bristles are arranged on the periphery of the circular tube 1. The beneficial effect of the invention is as follows: the cattle farm is provided with a brush assembly, and when the cattle approach, the rotation of the bristles can relieve the itching of the cattle. Compared with the cattle directly leaning against the support column to rub the itching, the present solution has an obvious effect on the protection of the support column.



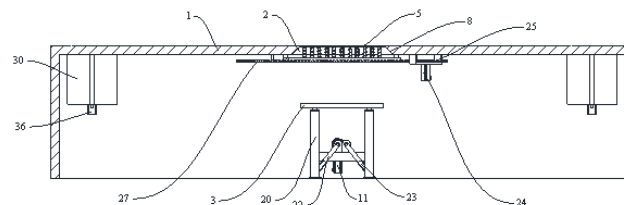
21: 2024/04191. 22: 2024/05/28. 43: 2025/01/02
51: E04H

71: Anhui Normal University
72: Zhang Jie, Zhang Lunzhi, Song Yuping, Luo Yifen, Fang Chao, Xue Haotian
33: CN 31: 202310668696.4 32: 2023-06-06

54: LIFTABLE STAGE

00: -
The present disclosure relates to the field of stage technologies, and particularly relates to a liftable stage. The liftable stage includes a stage body, where a rectangular through hole is provided at a top of the stage body, a liftable platform and a lifting assembly are arranged in the stage body, four spliced and combined triangular plates are arranged at a bottom of the rectangular through hole, a driving member is arranged at an inner top of the stage body, four bearing plates are arranged in the rectangular through hole, a plurality of limiting rods and springs are arranged at a bottom of each bearing plate, four sides of the bottom of the rectangular through hole are chamfered and provided with first inclined planes, and a second inclined plane is arranged on one side of each bearing plate close to the first inclined plane. The

bearing plates are subjected to elastic supporting forces of the springs, and therefore the bearing plates are flush with a surface of the stage body in the rectangular through hole such that a performer can freely perform on the stage body without worrying about being tripped, and the problem that according to a protective structure for a hollow of an existing liftable stage, the hollow forms a recess, such that a performer is likely to be tripped is solved.



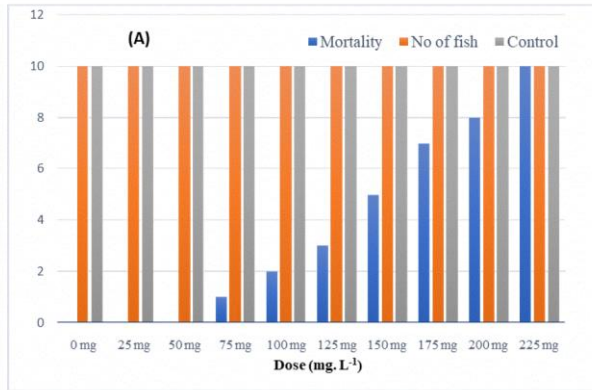
21: 2024/04199. 22: 2024/05/30. 43: 2024/12/18
51: C22C

71: Nagaland University
72: Prabhakar Maddela, Veto Khesoh, Melevolu Thisa

33: IN 31: 202431028200 32: 2024-04-05

54: FISH FEED OF ACACIA PENNATA (L.) FOR FISHES IN-AQUARIA

00: -
This present invention is a Phytochemical Screening of aqueous bark extracts of *Acacia pennata* for examining dose-dependent piscicidal potential and a fish feed based on the screening, comprising: saponins; steroids; terpenoids; alkaloids; tannins; phenols; flavonoids; and glycosides; wherein, the dose-dependent piscicidal potential of the fresh bark aqueous extracts of *Acacia pennata* is examined on two ornamental fish species, *Carassius auratus* (gold fish) and *Danio rerio* (zebra fish) and one indigenous fish *Cyprinus carpio* (common carp) in aquaria; and wherein, the dose-dependent piscicidal potential of the fresh bark aqueous extracts of *Acacia pennata* is used to identify the mortality rate of fishes at minimum lethal dose.



21: 2024/04200. 22: 2024/05/30. 43: 2024/12/18

51: C11D

71: Yuhao Wang

72: Yuhao Wang, Dian Yu, Shenghua Cheng, Liting Chen, Yingying Fang, Rongrong Song, Ying Yang

33: CN 31: 2023107485549 32: 2023-06-25

54: MEDICATED SHAMPOO SOAP FOR PREVENTING HAIR LOSS

00: -

The invention discloses a medicated shampoo soap for preventing hair loss, wherein it is composed of the following raw material components: cacumen biotae, polygonum multiflorum, black beans, ligustrum lucidum, herba ecliptae, fructus psoraleae, dried ginger, semen platycladi, cloves, fried semen cuscutae, kadsura pepper stem, rhizoma drynariae, mulberry, radix rehmanniae preparata, glaucescent fissistigma root, fructus gleditsiae sinensis, soapberry fruit, hibiscus bark, rosin, Angelica sinensis, and rhizoma chuanxiong; the medicated shampoo soap is composed of the following medicaments by weight: 1-35 parts of cacumen biotae, 1-35 parts of polygonum multiflorum, 1-35 parts of black beans, 1-35 parts of ligustrum lucidum, 1-20 parts of herba ecliptae, 1-35 parts of fructus psoraleae, 1-20 parts of dried ginger, 1-20 parts of semen platycladi, 1-20 parts of cloves, 1-35 parts of fried semen cuscutae, 1-20 parts of kadsura pepper stem, 1-35 parts of rhizoma drynariae, 1-35 parts of mulberry, 1-35 parts of radix rehmanniae preparata, 1-20 parts of glaucescent fissistigma root, 1-20 parts of fructus gleditsiae sinensis, 1-20 parts of soapberry fruit, 1-20 parts of hibiscus bark, 1-20 parts of rosin, 1-20 parts of Angelica sinensis, and 1-20 parts of rhizoma chuanxiong.

21: 2024/04201. 22: 2024/05/30. 43: 2024/12/18

51: A01K

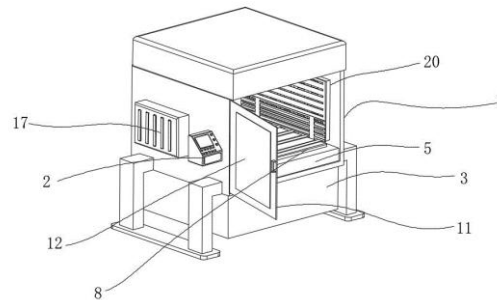
71: Yue Ren

72: Yue Ren, Zhaxi Yangzong, Bin Shi

54: A THERMOSTATIC BIRTHING ROOM FOR LAMB BREEDING

00: -

The invention relates to the technical field of lamb breeding birthing room, in particular to a thermostatic birthing room for lamb breeding, including: The side of the thermostatic room is provided with a control panel, the bottom of the thermostatic room is provided with a protective cover, the protective cover is provided with an electric push rod, the lifting end of the electric push rod is provided with a supporting plate, the surface of the base is provided with a through-hole, the through-hole is provided with an elastic plate, the surface of the base is provided with a protective pad, and the bottom of the elastic plate is provided with a lifting frame; The beneficial effects are: When it is necessary to clean the inside of the thermostatic room, first of all, the electric push rod can be moved up through the control panel, so that the lifting frame can be moved up. Multiple sets of elastic plates can be used to slowly lift the lying lamb. When the lamb is lifted, the protective pad can be extracted for quick cleaning and disinfection. Then the electric push rod can be activated to reset the elastic plate so that the lamb can continue to lie on the surface of the protective pad.



21: 2024/04202. 22: 2024/05/30. 43: 2024/12/18

51: A61D

71: Yue Ren

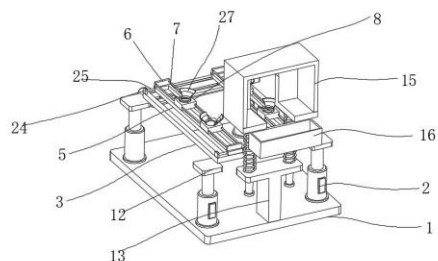
72: Yue Ren, Mengjun Liu, Bin Shi

54: AN ARTIFICIAL INSEMINATION AUXILIARY DEVICE FOR SHEEP BREEDING

00: -

The invention relates to the field of sheep breeding insemination auxiliary technology, in particular to an artificial insemination auxiliary device for sheep

breeding, including: One end of the electric push rod is provided with a supporting frame, the bottom of the supporting frame is provided with a drive motor, the moving rack is provided with a limit screw, the limit screw surface sleeve is provided with an auxiliary plate, the auxiliary plate surface is provided with an auxiliary hole, the side of the auxiliary plate is provided with a limit bearing, the limit bearing surface is provided with a limit nut; The beneficial effects are: First of all, according to the size of the distance between the limbs of the goat, and then by starting the drive motor to adjust the distance between the two groups of moving racks, by turning the limit nut to adjust the position of the auxiliary plate, the electric push rod can be started to move the supporting frame down, so that the limbs of the goat can be inserted into the auxiliary hole for limiting. It is more convenient to use the electric push rod to move the supporting frame up so that the auxiliary hole can locate the limbs of the goat, so as to facilitate the subsequent fertilization.



21: 2024/04203. 22: 2024/05/30. 43: 2024/12/18
51: G01N

71: Liaoning Academy of Agricultural Sciences
72: GONG Liang, WANG Na, ZHANG Xin, SUI Shijiang

54: SOIL CARBON SEQUESTRATION ENHANCER FOR DRY FIELD AND PREPARATION METHOD THEREOF

00: -

The invention belongs to the technical field of soil improvement, and relates to a soil carbon sequestration enhancer for dry field and a preparation method thereof. The raw materials of the soil carbon sequestration enhancer for dry field comprise ammonia-producing bacteria, chitosan, bentonite, straw charcoal, plant ash, organic matter and humus; the preparation steps are: mixing ammonia-producing bacteria and water according to

the mass ratio of 1:100, adding chitosan, and uniformly mixing to obtain a mixed solution; heating the mixed solution, adding straw charcoal to adsorb ammonia-producing bacteria, and drying to obtain straw charcoal loaded with ammonia-producing bacteria; uniformly mixing the straw charcoal loaded with ammonia-producing bacteria with bentonite, plant ash, organic matter and humus to obtain the soil carbon sequestration enhancer for dry field. According to the invention, ammonia-producing bacteria are metabolized in dry fields to generate ammonia gas, and then the ammonia gas reacts with water and carbon dioxide to generate ammonium bicarbonate or ammonium carbonate, which not only has excellent carbon fixation performance, but also can improve the fertility of dry fields and further increase crop yield.

21: 2024/04204. 22: 2024/05/30. 43: 2024/12/18
51: E01D

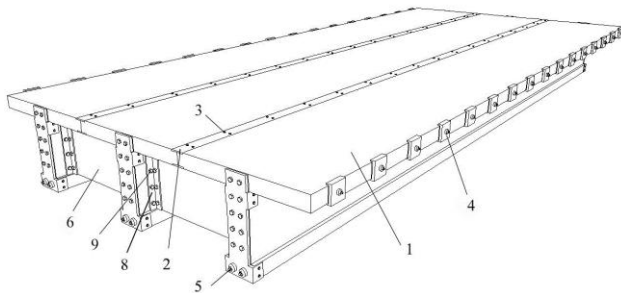
71: Hunan University of Technology
72: CAO Lei, QU Zhangpeng, ZENG Dan, ZHANG Deng, LI Zhaochao, ZHENG Hui, ZHANG Youjie, ZHANG Jin, LUO Xiaochen

54: PRESTRESSED GLULAM T-BEAM BRIDGE AND CONSTRUCTION METHOD THEREOF

00: -

The invention belongs to the technical field of modern wood structures, in particular to a prestressed glulam T-beam bridge and a construction method thereof, comprising a plurality of glulam T-beams which are assembled and connected, wherein the glulam T-beams comprise webs, the top of the webs are fixedly connected with two flange plates, the two flange plates are respectively located at opposite sides of the webs, the bottom of the webs are fixedly connected with horseshoes, the top of the glulam T-beams is penetrated with a plurality of transverse prestressed holes, the middle of the horseshoes is penetrated with a plurality of longitudinal prestressed holes, and two flange plates of two adjacent webs are connected with steel I-beam and a first bolt. A transverse prestressed anchorage system is provided between a number of glulam T beams. The horseshoe is provided with a longitudinal prestressed anchoring system along its length direction. The invention increases the area of the compression zone, and improves the transverse

bending performance and compressive bearing capacity of the main beam.



21: 2024/04207. 22: 2024/05/30. 43: 2024/12/18
51: A61L

71: Shanxi University of Chinese Medicine
72: Yumin Zhang, Jingruo Wu, Yanmiao Ma, Jing Li, Jianru Wang

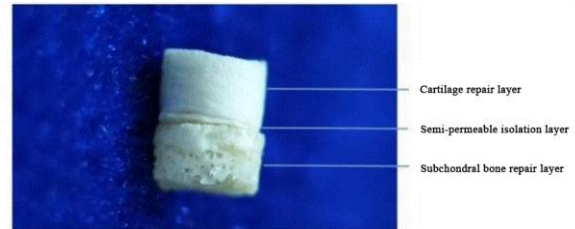
33: CN 31: 202311227458.6 32: 2023-09-22

54: A CARTILAGE REPAIR MATERIAL FOR GUIDING TISSUE REGENERATION AND A PREPARATION METHOD THEREOF

00: -

The invention discloses a guiding tissue regeneration cartilage repair material and a preparation method thereof, belonging to the technical field of medical materials. The guiding tissue regeneration cartilage repair material is composed of three different layers, from top to bottom: cartilage repair layer, semi-permeable isolation layer, subchondral bone repair layer. The three layers of materials are bonded together by biological adhesive to form a whole. Among them, the cartilage repair layer is composed of allogeneic or xenogenic chondrocytes extracellular matrix, which is derived from natural cartilage tissue and rich in collagen and glycosaminoglycan. It has good biocompatibility, multiple growth factors and vertical pore structure. This is conducive to cell adhesion and growth; The semi-permeable isolation layer is composed of allogenic or heterologous acellular dermal matrix. As a barrier, after implantation, it can prevent cells or blood vessels in subchondral bone tissue from growing into the cartilage and affect cartilage repair. At the same time, it is permeable and helps nutrients in subchondral tissue fluid penetrate into the cartilage region and nourish chondrocytes. The subchondral bone repair layer is allogeneic or heterologous cancellous bone or decalcified cancellous bone, which is not only beneficial for bone tissue repair, but also convenient

for clinical operation and fixation. The three-layer cartilage repair material of the invention respectively simulates the repair environment of bone and cartilage in vivo, and can guide the synchronous repair of bone and cartilage tissue to improve the repair effect of articular cartilage defect.



21: 2024/04208. 22: 2024/05/30. 43: 2024/12/18
51: A61L

71: Shanxi University of Chinese Medicine
72: Yumin Zhang, Ya'nan Bu, Jianru Wang, Jing Li, Bo Han

33: CN 31: 202311141436.8 32: 2023-09-06

54: A METHOD FOR IMPROVING THE INDUCIBLE ACTIVITY OF BIODERIVED HYDROXYAPATITE BONE

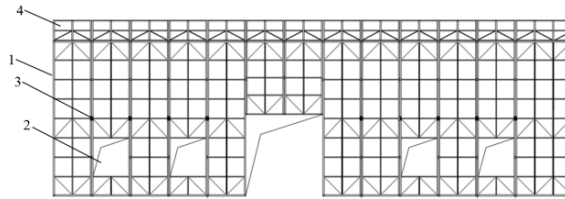
00: -

The invention discloses a method for improving the inducible activity of bioderived hydroxyapatite bone, belonging to the technical field of medical materials. The invention aims at the characteristics that the bioderived hydroxyapatite has a natural three-dimensional pore structure, but lacks bone-inducing activity and poor mechanical properties; The bioderived hydroxyapatite was first combined with epimedium icariin solution and then with epimedium icariin solution of bone matrix gelatin solution to promote bone induction and enhance mechanical properties. Epimedium icariin is derived from the Chinese herb Epimedium, which is a traditional Chinese medicine for invigorating kidney and strengthening bone. It can improve the activity of osteoblasts and promote the proliferation and differentiation of osteoblasts. The composite material of epimedium icariin and hydroxyapatite can enhance the bone-inducing activity of hydroxyapatite in the short term after implantation in vivo. Bone matrix gelatin is a mild physicochemical treatment of bone tissue. It is mainly a mixture of coarse-extracted type I collagen and non-collagen protein. It is viscous and contains BMPs, and has good bone-inducing activity and slow-release properties, which can slow release epimedium icariin and improve the

compressive strength of hydroxyapatite. The bioderived hydroxyapatite prepared by the invention for improving bone-inducing activity retains the natural pore structure, has good biosafety, has bone-inducing activity, high compressive strength, wide sources, low production cost and stable bone-inducing activity, and provides a better bone repair scheme for the clinic.



21: 2024/04209. 22: 2024/05/30. 43: 2024/12/18
 51: E04B
 71: JIANGSU VOCATIONAL INSTITUTE OF ARCHITECTURAL TECHNOLOGY
 72: WANG, JUNQIANG, XU, SHIYUN, DU, BIN, HUANG, YONG, WANG, YAN
54: MODULAR ASSEMBLY STRUCTURE
 00: -
 A modular assembly structure comprises a wind-resistant column, a foundation module, wall modules, a roof module and a connector module. The connector module is used for connecting the foundation module with the wall modules, connecting the foundation module with the wind-resistant column, connecting a plurality of wall modules and connecting the wall modules with the roof module. The present invention realizes the module splitting of a structure of a switching station, which is conducive to the assembly, dismantling, relocation and recycling of the structure of the switching station.

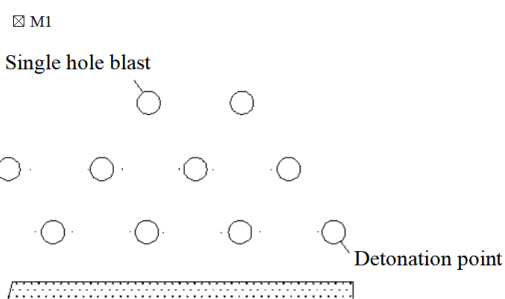


21: 2024/04210. 22: 2024/05/30. 43: 2025/01/02
 51: F42D
 71: China Coal Technology Engineering Group Huaibei Blasting Technology Research Institute Co., Ltd., Chongqing University
 72: Lin Fei, Zhang Zhigang, Jiang Deyi, Li Yong, Yu Weiqing, Wang Jifeng, Zhou Xiaohong, Zhao Peng, Li Qiang, Li Jianxing, Ye Xin, Geng Hongyin, Han Tingliang, Zhang Jican, Wang Deling, Xu Haifeng, Yang Zongling, Xia Guang, Wu Jing, Wang Zhaofeng, Pan Xianfeng, Jin Fu, Zhai Qingcui
54: VIBRATION REDUCTION METHOD BASED ON BLASTING VIBRATION PREDICTION TECHNIQUES

00: -
 Disclosed is a vibration reduction method based on blasting vibration prediction techniques, including the following steps: S1: selecting one blast hole from group holes in a blasting area as a reference blast hole; S2: selecting a plurality of measurement points around the reference blast hole, and arranging vibration meters in radial directions of the reference blast hole and the measurement points; S3: acquiring vibration data from the reference blast hole and from the remaining blast holes, and recording blasting parameters; S4: analyzing the vibration data acquired from the reference blast hole using Matlab software, inputting millisecond times of group-hole blasting in n subsections, and predicting complete blasting vibration waveforms of the measurement points and a maximum blasting vibration velocity of the group holes; and S5: fitting, using the Matlab software, relation curves for different millisecond times versus a maximum blasting vibration velocity of a mass point and for different millisecond times versus a vibration reduction rate. In the present invention, group-hole blasting vibration waveforms predicted through a single-hole blasting vibration waveform have a change rule basically consistent with that of a measured blasting vibration waveform, and the method is more effective and reliable than the conventional formular and empirical prediction methods.

☒ M3

☒ M2



21: 2024/04211. 22: 2024/05/30. 43: 2024/12/18

51: C02F

71: Huzhou College

72: Liu Yike, Tang Yaqin, Xu Shunjian

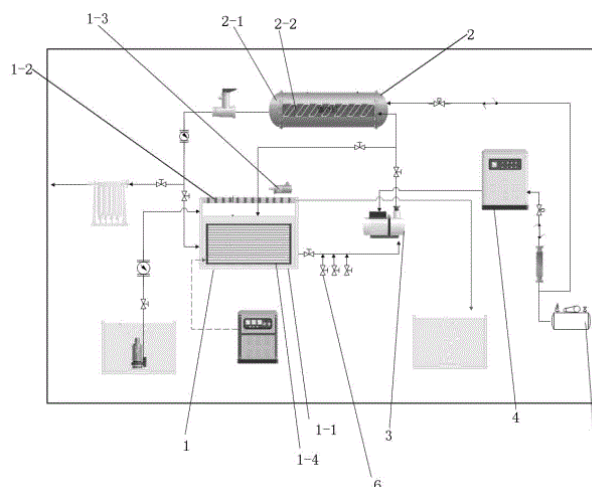
33: CN 31: 202410305792.7 32: 2024-03-18

54: ORGANIC WASTEWATER TREATMENT SYSTEM AND TREATMENT METHOD

00: -

The invention relates to the technical field of organic wastewater treatment, in particular to an organic wastewater treatment system and treatment method. The system comprises: an electrolytic reaction tank, a combined reactor, a gas dissolving component, and an ozone generating component, wherein the organic wastewater treatment system comprises a first mode and a second mode; in the first mode, organic wastewater flows from the electrolytic reaction tank to the electrolytic reaction tank through the gas dissolving component, and the ozone generating component supplies gas to the electrolytic reaction tank through the gas dissolving component; in the second mode, liquid flows from the electrolytic reaction tank, the gas dissolving component and the combined reactor to the electrolytic reaction tank, and the ozone generating component supplies gas to the combined reactor through the gas dissolving component; and the first mode and the second mode do not operate simultaneously. Under the first mode, substances which are easier to be oxidatively degraded in the organic wastewater are oxidatively degraded, and under the second mode, substances which are more difficult to be oxidatively degraded are subjected to advanced treatment in an ultraviolet + hydrogen peroxide + ozone pressurization coupling oxidation mode, so that the oxidation efficiency is improved,

the equipment volume is reduced, and the control is simple.



21: 2024/04213. 22: 2024/05/30. 43: 2024/12/19

51: A23K

71: Tongliao Institute of Agricultural and Animal Husbandry Sciences, Hanmiao LIU, Chunlei WANG

72: Dan WANG, Hanmiao LIU, Chunlei WANG, Baoyuan ZHOU, Chao ZHANG, Ye FENG, Xinbing WANG, Yaxuan MENG, Yajian LI, Kuan PEI, Sarina, Lihui GAO, Qi WANG, Xingtian JIA, Tana

33: CN 31: 2024105039779 32: 2024-04-25

54: A PREPARATION METHOD FOR MIXED SILAGE AND THE OBTAINED SILAGE

00: -

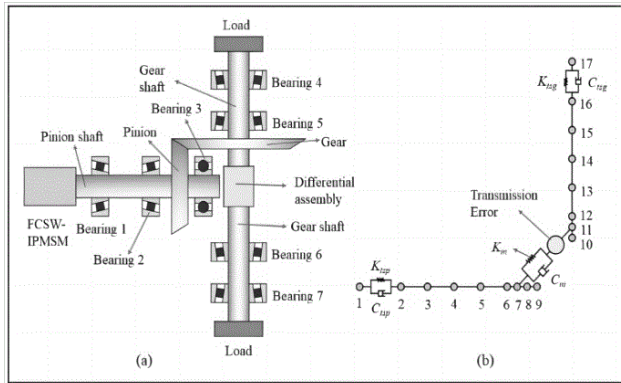
The invention relates to a preparation method for mixed silage and the obtained silage, which belongs to the field of silage technology. The preparation method for mixed silage comprises the following steps: (1) the forage rape plants and silage maize plants are crushed respectively to obtain the forage rape section and silage maize section; according to the mass ratio of 2:1, the forage rape section and the silage maize section are mixed to obtain the mixed material; (2) the mixed material is mixed with the compound silage inoculant, and the silage material is obtained by compacting and sealing the silage; (3) the silage material is mixed with Bacillus subtilis inoculant to obtain silage. The preparation method proposed by the invention uses forage rape and silage maize as raw materials, by combining with specific silage compound inoculant and silage treatment method, the invention improves the quality of the prepared mixed silage.

21: 2024/04214. 22: 2024/05/30. 43: 2024/12/19
51: G06F

71: Zhejiang University of Technology
72: Xia HUA

54: A DYNAMIC PERFORMANCE ANALYSIS METHOD FOR ELECTRIC DRIVE SYSTEM BASED ON 92-DOF MODEL

00: -
The invention relates a dynamic performance analysis method for electric drive system based on 92-DOF model, comprising the following steps: based on slotted concentrated winding built-in permanent magnet synchronous motor, constructing the 92-DOF mathematical model of centralized electric drive system installed longitudinally by the motor; analyzing and comparing the key dynamic characteristics of the system. The invention adopts the above-mentioned dynamic performance analysis method for electric drive system based on 92-DOF model, deeply studies the dynamic behavior of specific components, improves the accuracy of research on electric drive system, and provides a theoretical basis for the design and optimization of centralized electric drive system.



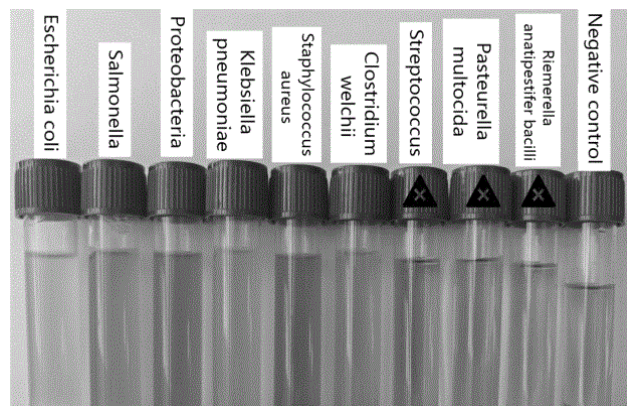
21: 2024/04247. 22: 2024/05/30. 43: 2024/12/19
51: C12Q

71: Qingdao Agricultural University
72: Hongbo NI, Xiaoxuan ZHANG, He MA, Rui LIU, Jianxin WEN

33: CN 31: 2024103571997 32: 2024-03-27
54: ENRICHMENT MEDIUM, PREPARATION METHOD, AND APPLICATION THEREOF

00: -
The invention discloses an enrichment medium, a preparation method, and application thereof, which belongs to the technical field of rapid detection of bacterial drug sensitivity, the raw material comprise

the following components in mass fractions: tryptone in 15.0-20.0 portions, peptone in 3.5-5.5 portions, glucose in 1.5-3.5 portions, yeast extract in 5.0-6.5 portions, dipotassium hydrogen phosphate in 2.0-2.5 portions, disodium hydrogen phosphate in 2.0-3.5 portions, potassium dihydrogen phosphate in 1.0-1.5 portions, sodium chloride in 2.5-7.5 portions, proteose peptone in 12.0-18.0 portions, bovine heart extract in 15.0-22.0 portions, soy peptone in 8.0-12.0 portions, 0.1 % NAD nicotinamide adenine dinucleotide in 1.0-5.0 portions, newborn calf serum inactivated at 56 °C for 30 min in 30-100 portions, mannitol in 2.0-4.0 portions, sodium pyruvate in 3.0-5.0 portions, cycloheximide in 0.23-0.45 portions, 0.05 % bromothymol blue in 0.8-2.0 portions, 0.1 % methylene blue in 2.5-4.5 portions, distilled water in 1000 portions, the pH is 6.8-7.5. The invention uses the above-mentioned enrichment medium to screen effective therapeutic drugs for poultry bacterial diseases, which is convenient to use, and its single enrichment effect is better than the selective enrichment solution of the target bacteria. The medium can achieve rapid proliferation of common pathogenic bacteria in poultry.



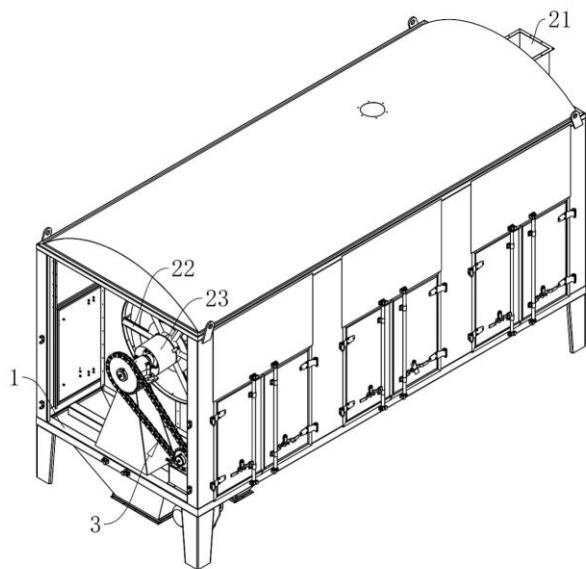
21: 2024/04252. 22: 2024/05/30. 43: 2024/12/19
51: B07B

71: HUBEI FLYING BELL CEREALS & OIL EQUIPMENT CO., LTD.

72: KE, Ping, ZOU, Xiaoli, ZHOU, Zhili
33: CN 31: 202310216865.0 32: 2023-03-07
54: SELF-TENSIONING DRUM SCREENING MACHINE

00: -
A self-tensioning drum screening machine is disclosed, relating to the field of screening equipment. It includes a frame (1), inclined support seats (4) positioned at both ends of the frame (1),

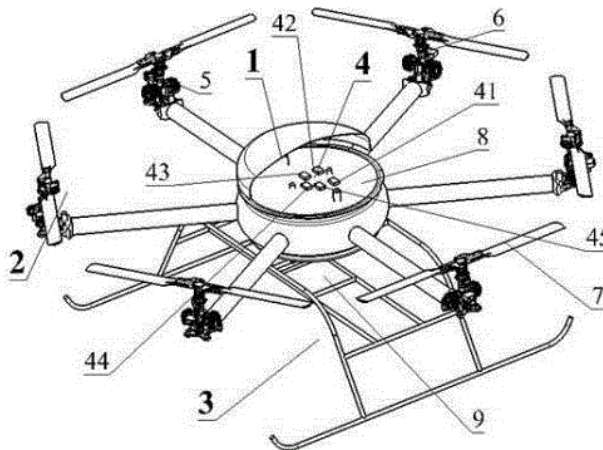
and a screening drum (2) rollably mounted on the two inclined support seats (4). The screening drum (2) is inclined with a higher feed end and a lower discharge end. The frame (1) is equipped with a drive mechanism (3) at the feed end of the screening drum (2) and a positioning mechanism (5) at the discharge end of the screening drum (2). The drive mechanism (3) comprises a mounting cross plate (30), a torque output assembly (31) mounted on the mounting cross plate (30), and a tensioning spring (34). One end of the mounting cross plate (30) is hinged to the frame (1), while the other end is located below the feed opening of the screening drum (2) and suspended. The output shaft of the torque output assembly (31) is connected to the screening drum (2) through a belt transmission assembly (33). This screening machine is designed to provide axial support and positioning for the drum wall of the screening drum (2) through the positioning mechanism (5), resulting in a durable and long-lasting operational effect, less prone to damage and faults.



21: 2024/04258. 22: 2024/05/31. 43: 2024/12/19
 51: B64C
 71: Hainan Tropical Ocean University, Hainan Aerial Science and Technology Co, Ltd., Tsinghua University
 72: CHEN Hao, ZHAO Kaifeng, REN Yong, DU Jun, XIE Wei, HUANG Hai
54: DIRECT-DRIVE OIL-DRIVEN FIXED-SPEED VARIABLE-PITCH MULTI-ROTOR UNMANNED

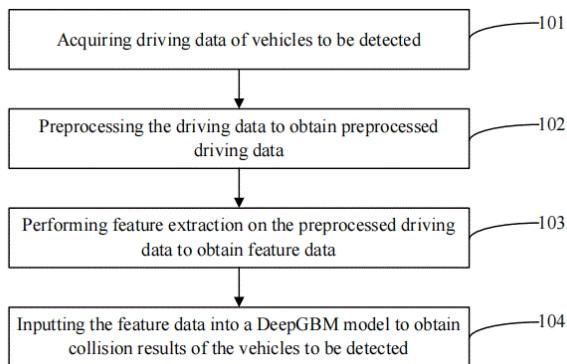
AERIAL VEHICLE AND CONTROL METHOD THEREOF

00: -
 The technical scheme adopted by the invention is a direct-drive oil-driven fixed-speed variable-pitch multi-rotor unmanned aerial vehicle, which comprises a fuselage, a power system, a landing gear and an avionics system, wherein the fuselage is an all-composite integrated fuselage; the power system consists of an engine system, a variable-pitch system, an oil supply system and a rotor system; and the landing gear is a skid-type landing gear, and flexible lifting positions are arranged on the landing gear to fixedly connect different task equipment. The invention does not need a transmission mechanism, has a simple structure, and the weight is relatively reduced by 10-20 percent; according to the invention, the lift force is adjusted by changing the pitch angle, so that the abrasion to the engine is small, and the service life is prolonged by more than 30 percent; the fuselage adopts nested layout, and oil supply, power supply, spraying and other systems are all placed inside the fuselage, which improves space utilization and reduces waste resistance.



21: 2024/04259. 22: 2024/05/31. 43: 2024/12/19
 51: G06K
 71: Henan University of Urban Construction
 72: ZHANG, Jingpu, YAN, Xiaoyan, ZHAO, Junmin, WANG, Chong
54: DEEPGBM-BASED VEHICLE COLLISION DETECTION METHOD AND SYSTEM BASED
 00: -
 The present invention discloses a DeepGBM-based vehicle collision detection method and system, and

relates to the field of vehicle collision detection. The method includes the following steps: acquiring driving data of vehicles to be detected; preprocessing the driving data to obtain preprocessed driving data; performing feature extraction on the preprocessed driving data to obtain feature data; and inputting the feature data into a DeepGBM model to obtain collision results of the vehicles to be detected. The present invention can improve the accuracy of vehicle collision detection.



21: 2024/04261. 22: 2024/05/31. 43: 2024/12/19
51: A01D

71: Liaoning Academy of Agricultural Sciences

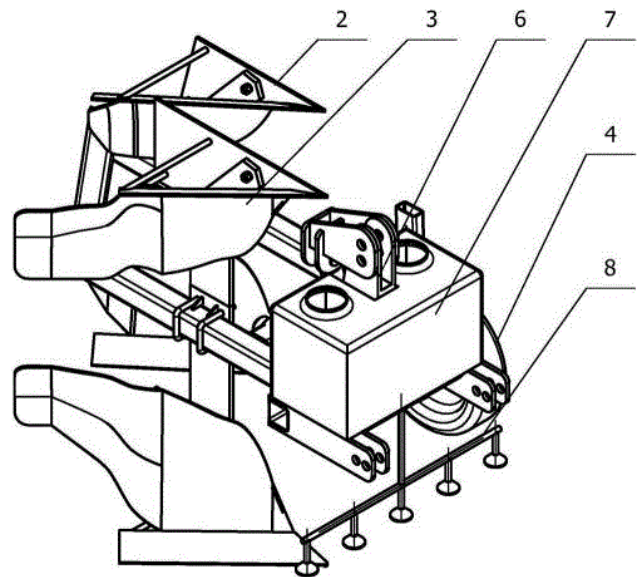
72: WANG Na, NIU Shiwei, GONG Liang

54: MULTIFUNCTIONAL CROP STRAW RETURNING DEVICE AND LAYERED RETURNING METHOD

00: -

The invention relates to a multifunctional crop straw returning device and a layered returning method, which comprises a frame, a pushing plow body, a ditching plow body, a ground wheel assembly, a hydraulic cylinder, a suspension frame, a connecting shaft, a biogas slurry spraying system and a power system, wherein the front end of the frame in the forward direction is connected with the suspension frame through a connecting shaft, and the frame can rotate around the connecting shaft; the upper part of that suspension frame is provided with a biogas slurry spraying assembly; the hydraulic cylinder is obliquely arranged on one side of the connecting shaft, one end of the hydraulic cylinder is connected with the suspension frame, and the other end is connected with the frame; the power system is connected with the hydraulic cylinder to transmit power and drive the hydraulic cylinder to perform telescopic movement, and the frame is driven to turn

over 180° around the connecting shaft; the ground wheel assembly is installed on the left side of the advancing direction of the frame, and the pushing plow body and the ground wheel are installed on the frame at the same side; a ditching plow body is installed on the right side of the advancing direction of the frame. The device of the invention realizes the turning function of the upper and lower plowshares of the working plow body alternately, improves the working efficiency, reduces the labor intensity, and realizes the layered returning of straws to the field.



21: 2024/04263. 22: 2024/05/31. 43: 2024/12/19
51: G06Q

71: ZHOU Xiaohe

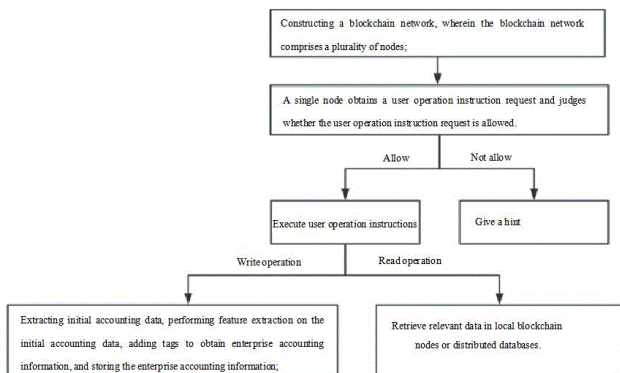
72: ZHOU Xiaohe, LUAN Fengming, LI Jinyang

54: SAFE STORAGE METHOD OF DISTRIBUTED ACCOUNTING INFORMATION BASED ON BLOCKCHAIN

00: -

The invention discloses a safe storage method of distributed accounting information based on blockchain, which comprises the following steps: constructing a blockchain network, wherein the blockchain network comprises a plurality of nodes; a single node obtains a user operation instruction request, judges whether the user operation instruction request is allowed, performs an operation if allowed, and gives a prompt if not; the user operation instruction request includes read operation and write operation; if the user's operation instruction request is a write operation, extracting initial accounting data, performing feature extraction on

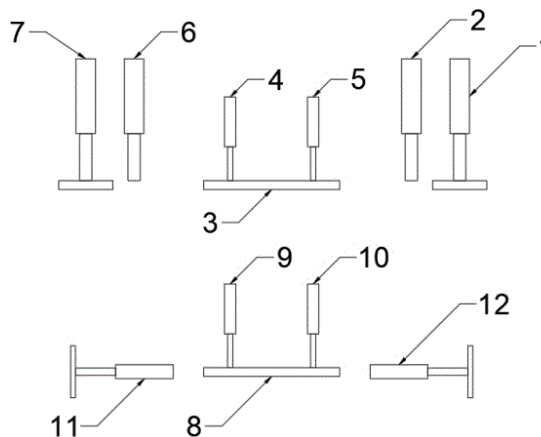
the initial accounting data and adding tags to obtain enterprise accounting information, and storing the enterprise accounting information; if the user's operation instruction request is a read operation, relevant data is retrieved in the local blockchain node or distributed database. Aiming at the problems of insufficient data security and low operation efficiency in the existing accounting information system, the invention provides a safer, more efficient and more reliable accounting information storage method by introducing blockchain technology.



21: 2024/04264. 22: 2024/05/31. 43: 2024/12/19
 51: B65B
 71: Ruiwu MA
 72: Ruiwu MA
 33: CN 31: 2024101541060 32: 2024-02-04
54: ELECTRONICALLY CONTROLLED PRODUCT PACKAGING MOLDING DEVICE
 00: -

The invention discloses an electronically controlled product packaging molding device, comprising a front steel plate, steel behind the front steel plate, and fixed steel, wherein the front steel plate is welded by steel pipes, and the rear of the front steel plate is provided with a steel behind the front steel plate; the steel behind the front steel plate is provided with an upper steel bar right electric cylinder, and the side of the upper steel bar right electric cylinder is provided with an upper steel bar left electric cylinder; an upper steel bar is connected to the ends of the upper steel bar left electric cylinder and the upper steel bar right electric cylinder. Compared with the existing technology, the advantages of the invention are: the movement of the upper, lower, left and right steel plates is controlled by electric cylinders to realize packaging

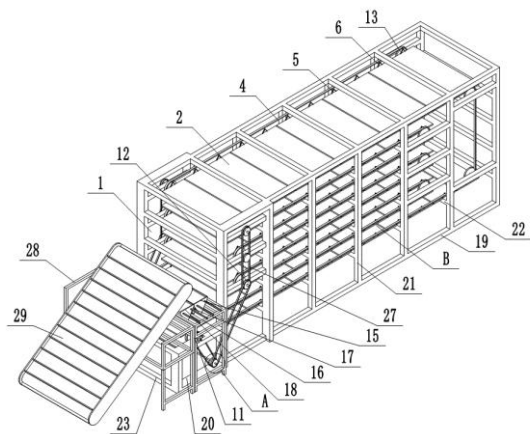
molding of the product; the device has a simple structure, is easy to operate, improves work efficiency and molding effect, reduces human workload, reduces human and material costs, improves packaging efficiency, and has good applicability.



21: 2024/04265. 22: 2024/05/31. 43: 2024/12/19
 51: A01G
 71: Sericultural Research Institute of Sichuan Academy of Agricultural Sciences, CHENGDU AERONAUTIC POLYTECHNIC, Shangzhi Agricultural Machinery Equipment Limited Company (NTCO.LTD) of Nanchong, Sichuan, Sichuan Nanchong Silkworm Research Co., Ltd., CHENGDU VOCATIONAL & TECHNICAL COLLEGE OF INDUSTRY, Nanchong Innovation Mulberry Industry Technology Research Institute, Sichuan Shanghao Tea Industry Co., Ltd., Sichuan Jieneng Drying Equipment Co., Ltd.
 72: HU Guangrong, GUO Qingshan, CAO Qingming, LIU Binbin, LI Kexian, SHI Hongkang, CAO Ningning, WU Jianmei, YE Jingjing, HE Guangzan, HU Junhua, LIU Xingyu, SHEN Gang, XIE Ying, SHEN Yan

54: AUTOMATIC SEEDLING RAISING AND SOWING ALL-IN-ONE MACHINE
 00: -
 The invention belongs to the technical field of automatic planting, and discloses an automatic seedling raising and sowing all-in-one machine, which comprises a closed-loop horizontal transfer breeding mechanism, a walking feeding and seeding mechanism and an automatic feeding mechanism; the closed-loop horizontal transfer breeding mechanism comprises a planting frame, wherein a

plurality of seedling trays arranged in motion are arranged on the planting frame, a driving assembly is arranged on the planting frame, a walking feeding and seeding mechanism is suspended on the planting frame; the driving assembly comprises a driving chain which is symmetrically arranged on the planting frame, a plurality of driving parts are arranged on the driving chain; the bottom end of the driving part is hinged with a triangular connecting frame, and the connecting frame is hinged with the seedling tray; the driving part comprises a driving block, and both ends of the driving block are movably erected on a supporting guide rail. The invention discloses an automatic seedling raising and sowing all-in-one machine, which can effectively realize closed automatic planting, has high space utilization rate and good equipment operation stability, can effectively reduce the operating pressure of equipment driving parts and reduce the failure rate of equipment.



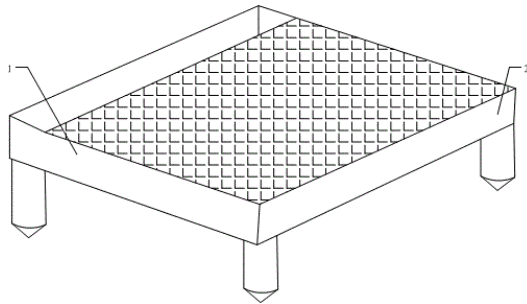
21: 2024/04266. 22: 2024/05/31. 43: 2024/12/19
 51: A61K
 71: WU, Huanxing
 72: WU, Huanxing
54: HEALTH-NOURISHING TONIC WINE AND PREPARATION METHOD THEREOF
 00: -
 Disclosed is a health-nourishing tonic wine and a preparation method thereof. The medicinal liquor includes monarch drug, Fructus Schisandrae Chinensis, Cuscuta chinensis Lam, Yin-Yang Zi, the root of toothed Habenaria, Cornu Cervi Pantotrichum, Polyrhachis vicina Roger, Semen Sesami Nigrum, Epimedium brevicornu Maxim, Cistanche deserticola Ma, Cynomorium songaricum

Rupr, Rosa laevigata Michx, Sphagneticola calendulacea Pruski, Polygonatum sibiricum Delar, Hippocampus, assistant drug, ripe Strychnos nuxvomica, Persicae Semen, Citri Reticulatae Pericarpium, Ziziphus jujuba Mill, Lycium chinense Miller, Angelica sinensis, rock candy, Panax ginseng, Ganoderma lucidum, Achyranthes bidentata, Dipsacales and Eucommia ulmoides Oliv. The medicinal liquor is made by soaking Chinese medicinal materials in self-brewing. The medicinal liquor has the effects of tonifying the kidney and protecting the liver, nourishing yin and strengthening yang, clearing lung heat and improving eyesight, etc., and has a good effect without any side effects. The medicinal wine has a good color, a mellow taste, and low sugar.

21: 2024/04268. 22: 2024/05/31. 43: 2025/01/02
 51: B09C
 71: Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute
 72: Shunli WANG, Yanxia WANG, Xiaohu YANG, Xiaoping SHI, Bin WANG, Juping FAN, Yin MIAO
 33: CN 31: 2024106212163 32: 2024-05-20
54: A MOUNTAIN ECOLOGICAL RESTORATION DEVICE AND RESTORATION METHOD
 00: -

The invention relates to a mountain ecological restoration device and restoration method, which relates to the field of ecological restoration technology, comprising the tray and column, the tray is provided with water tank and planting groove arranged side by side, the water tank is equipped with nutrient solution, the planting groove is equipped with the dust-proof net cover, the first nutrient soil layer, the sowing layer, the second nutrient soil layer and the gravel nutrient soil mixed layer from top to bottom. The bottom plate of the planting groove is equipped with a uniform distribution of through holes, the side wall between the water tank and the planting groove is equipped with connecting holes evenly distributed along its length direction, the connecting hole is equipped with a cotton core, one end of the cotton core is located at the bottom end of the flume, and the other end of the cotton core is located at the end of the first nutrient soil layer away from the water tank. The invention adopts a mountain ecological restoration device and restoration method with the above

structure, which is beneficial to improve the construction efficiency, in addition, due to the special structure of the skeleton and the mountain ecological restoration device, the connection between the plant roots on the sowing layer and the frame and even the mountain is realized, which reduces the risk of soil erosion.



21: 2024/04269. 22: 2024/05/31. 43: 2024/12/19
51: G01N

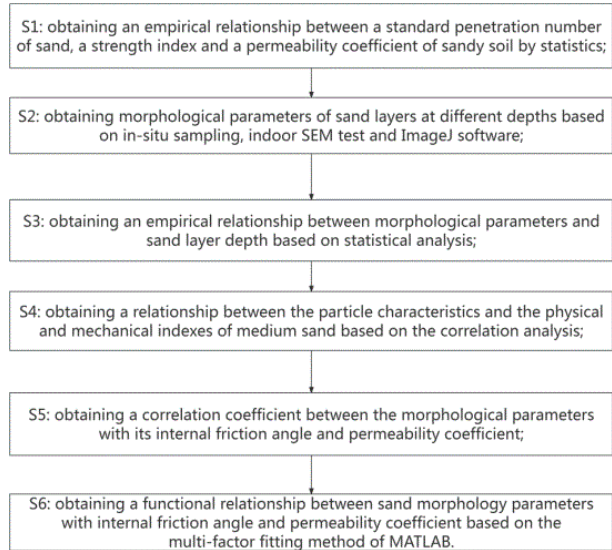
71: Xi'an University of Technology
72: Caihui ZHU, Li YIN, Letian ZHAI, Zhenghong LIU, Yi LIU, Yunfeng MA, Zhuqing LI, Shengnan FANG, Sen PENG

33: CN 31: 2024105816787 32: 2024-05-11

54: A METHOD FOR DETERMINING THE PERMEABILITY AND STRENGTH INDEX OF SAND BASED ON PARTICLE MORPHOLOGY PARAMETERS

00: -
The present invention proposes a method for determining the permeability and strength index of sand based on particle morphology parameters, which relates to the research field of sand characteristics; comprises the following steps: S1: obtaining an empirical relationship between a standard penetration number of sand and a strength index and a permeability coefficient of sandy soil by statistics; S2: obtaining morphological parameters of sand layers at different depths based on in-situ sampling, indoor SEM test and ImageJ software; S3: obtaining an empirical relationship between morphological parameters and sand layer depth based on statistical analysis; S4: obtaining a relationship between the particle characteristics and the physical and mechanical indexes of medium sand based on the correlation analysis; S5: obtaining a correlation coefficient between the morphological parameters and their internal friction angle and permeability coefficient; S6: obtaining a functional relationship between sand morphology

parameters and internal friction angle and permeability coefficient based on the multi-factor fitting method of MATLAB. The present invention adopts the above method to reduce the error between the laboratory results and the field test results, and saves time cost and test cost.



21: 2024/04270. 22: 2024/05/31. 43: 2024/12/19
51: G01M

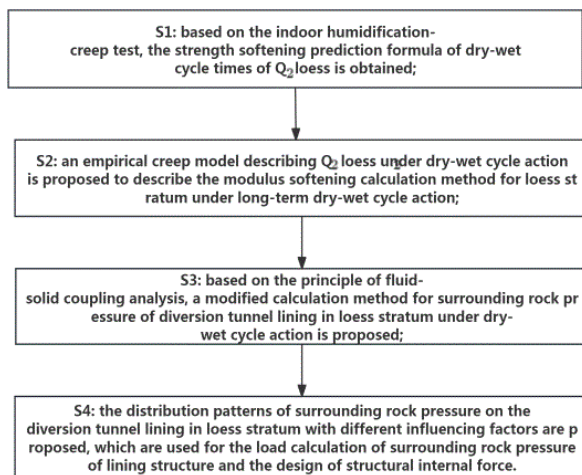
71: Xi'an University of Technology
72: Caihui ZHU, Jiahui LI, Shuyi MENG, Sen PENG, Zhenghong LIU, Yu WANG, Yubo LI, Haonan HE, Li YIN

33: CN 31: 2024105816804 32: 2024-05-11

54: A CALCULATION METHOD FOR PRESSURE AMPLIFICATION EFFECT OF TUNNEL SURROUNDING SOIL UNDER DRY-WET CYCLE ACTION IN LOESS STRATUM

00: -
The invention relates to a calculation method for amplification effect of tunnel surrounding soil pressure under dry-wet cycle action in loess stratum, which involves the field of tunnel research, based on laboratory wetting-creep test, it comprises the following steps: S1: based on the laboratory wetting-creep test, the strength softening prediction formula of dry-wet cycles of Q2 loess is obtained; S2: an empirical creep model describing Q2 loess under dry-wet cycle action is proposed to describe the modulus softening calculation method for loess stratum under long-term dry-wet cycle action; S3: based on the principle of fluid-solid coupling analysis, a modified calculation method for

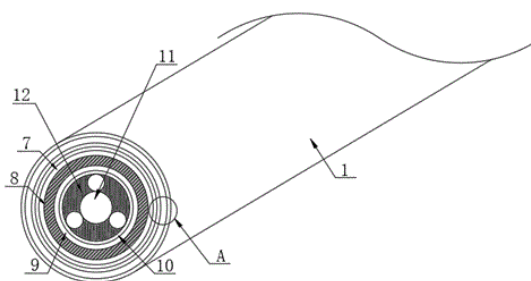
surrounding soil pressure on the diversion tunnel lining in loess stratum under dry-wet cycle action is proposed; S4: the distribution patterns of surrounding soil pressure on the diversion tunnel lining in loess stratum with different influencing factors are proposed, which are used for the load calculation of surrounding soil pressure of lining structure and the design of structural internal force. The invention studies the mechanical response of the tunnel surrounding soil under dry-wet cycle action in Q2 loess stratum, and provides data support for the design of the supporting structure of the tunnel.



21: 2024/04274. 22: 2024/05/31. 43: 2025/01/02
 51: H01B
 71: Jiangsu Hengtong Wire & Cable Technology Co., Ltd.
 72: Bo ZHANG, Jiaona XI, Xiaolei ZENG, Danfeng CAI, Yu WANG
 33: CN 31: 2023107462941 32: 2023-06-25
54: HIGH-FLAME-RETARDANT B1-LEVEL DIGITAL COMMUNICATION CABLE AND PREPARATION METHOD THEREOF
 00: -

The present invention discloses a high-flame-retardant B1-level digital communication cable and a preparation method thereof. The high-flame-retardant B1-level digital communication cable includes a first low-smoke flame-retardant sheath, where an inner wall of the first low-smoke flame-retardant sheath is fixedly connected with an insulating layer, an inner wall of the insulating layer is fixedly connected with a first shielding layer, an inner wall of a second shielding layer is fixedly

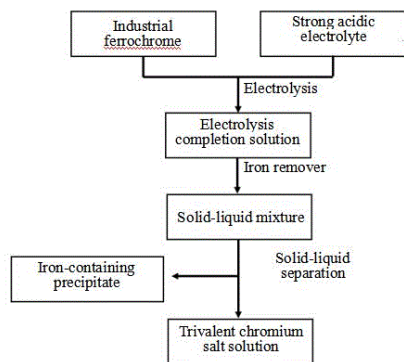
connected with a heat insulation layer, an inner wall of the heat insulation layer is fixedly connected with a reinforcing layer, a second rubber buffer layer is disposed in an inner cavity of the first rubber buffer layer, and a second low-smoke flame-retardant sheath is fixedly connected in an inner wall of the second rubber buffer layer.



21: 2024/04275. 22: 2024/05/31. 43: 2024/12/19
 51: C25B
 71:
 Qinghai Institute of Salt Lakes, Chinese Academy of Sciences
 72: LI Bo, FENG Haitao, DONG Yaping, LI Xinqian, LI Shuqi, NIU Zhengrong, LI Wu
 33: CN 31: 202211671770X 32: 2022-12-23
54: METHOD AND DEVICE FOR PREPARING TRIVALENT CHROMIUM SALT BY ELECTROCHEMICAL OXIDATION OF FERROCHROME IN ACIDIC SYSTEM
 00: -

The present application discloses a method and device for preparing a trivalent chromium salt by electrochemical oxidation of ferrochrome in an acidic system. The method comprises: putting ferrochrome as an anode and placing the anode into an acidic electrolyte together with a cathode, and then turning on a power supply for electrolysis reaction, until an electrolysis completion solution containing the trivalent chromium salt and a trivalent iron salt is directly prepared. Compared with the prior art, the one-step electrochemical synthesis of the trivalent chromium salt solution can be achieved without a hexavalent chromium salt stage, avoiding the generation of chromium-containing waste residue, shortening the process flow and significantly improving the production efficiency of the trivalent chromium salt; furthermore, the reaction can be carried out at room temperature and normal pressure without the use of fine chromium iron powders and a high-concentration acidic electrolyte.

The method is mild in reaction condition, low in energy consumption, high in chromium conversion rate and efficiency, controllable in reaction process, low in equipment corrosion, green and environmentally friendly, and has good application prospects in the field of clean chemical industry.

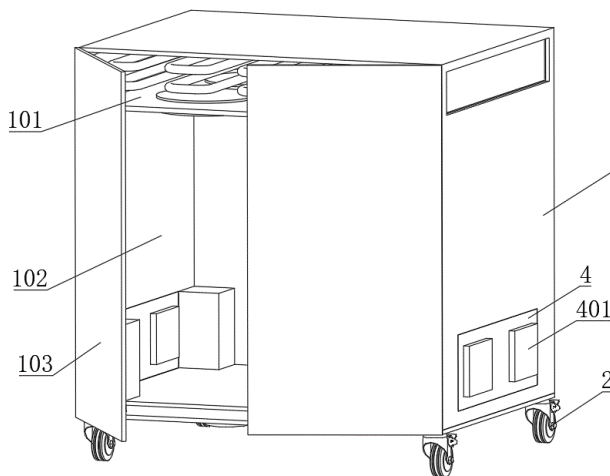


21: 2024/04320. 22: 2024/06/03. 43: 2024/12/20
 51: H02B
 71: Anhui Vocational College of Defense Technology
 72: Cai Zhengbao

54: A NETWORK INFORMATION SECURITY HOST INSTALLATION CABINET

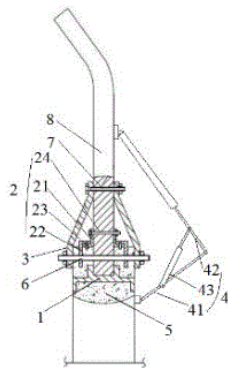
00: -
 The present invention discloses a network information security host installation cabinet, which belongs to the technical field of network information device installation. A network information security host installation cabinet includes an installation cabinet body, as well as a cooling chamber and an installation chamber. The cooling chamber and installation chamber are located inside the installation cabinet body, and the cooling chamber is above the installation chamber. A cabinet door is set on the side of the installation cabinet body, and the cabinet door is connected to the installation chamber through a hinge. A bottom plate is set below the installation chamber. To solve the problems of lack of seismic resistance and insufficient heat dissipation in traditional network equipment installation cabinets, the internal space of the installation cabinet body is divided into a cooling compartment and an installation room. The network equipment is located on the support plate inside the installation room, and the cooled air inside the cooling compartment is blown into the installation room. The air inside the installation room is guided to the outside of the installation cabinet body through

a guide fan, thereby maintaining the network equipment at a suitable working temperature and ensuring stable operation of the equipment.



21: 2024/04321. 22: 2024/06/03. 43: 2024/12/20
 51: E01D
 71: Henan University of Urban Construction
 72: WANG, Ke, YAO, Liyang, LV, Dawei, LI, Hui, ZHANG, Yongcun, ZHANG, Huiyuan
54: SOUND INSULATION BOARD FIXING DEVICE FOR ROADS AND BRIDGES

00: -
 Disclosed is a sound insulation board fixing device for roads and bridges, including a pre-buried plate, connecting plates, support plates, and a side support assembly. The pre-buried plate is pre-buried in a bridge, and a slot into which a bottom end of a sound insulation board is embedded is arranged on the pre-buried plate. The connecting plate is fixedly connected to each of two sides of the sound insulation board, and a bottom end of the connecting plate can be inserted into the bridge. The support plate is connected to each of the two sides of the sound insulation board, and bottom ends of the support plates are fixedly connected to two sides of the bridge. The side support assembly is provided on a side of the sound insulation board facing away from a road surface and includes a support rod and a first telescopic rod.

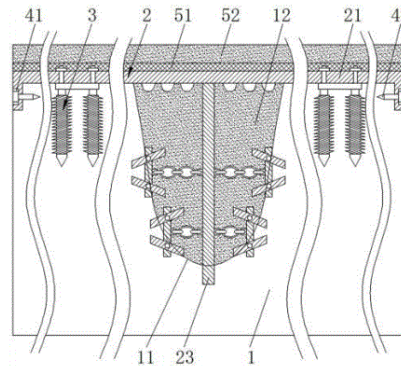


21: 2024/04322. 22: 2024/06/03. 43: 2024/12/20
51: E01D

71: Henan University of Urban Construction
72: WANG, Ke, ZHANG, Shuo, CHEN, Guanghua, HU, Guoping, LIU, Jiawei

54: CRACK REINFORCING STRUCTURE FOR ROADS AND BRIDGES

00: -
The present invention discloses a crack reinforcing structure for roads and bridges, and relates to the technical field of road and bridge, including a body of roads and bridges, a crack connecting mechanism and vertical restraining mechanisms. A crack on the body of roads and bridges is filled with a concrete filling layer. The crack connecting mechanism includes a steel plate. Linking beads are provided on the steel plate. A post is provided at the lower end of the steel plate. Tension cones are provided on the part of the post in the concrete filling layer. Steel chains are provided on the post. Vertical plates are provided on the steel chains. Slant plates are provided on the vertical plates. Each of the vertical plates and the slant plates is provided with dovetail groove-shaped anti-skip lines on the surface being close to the concrete filling layer.

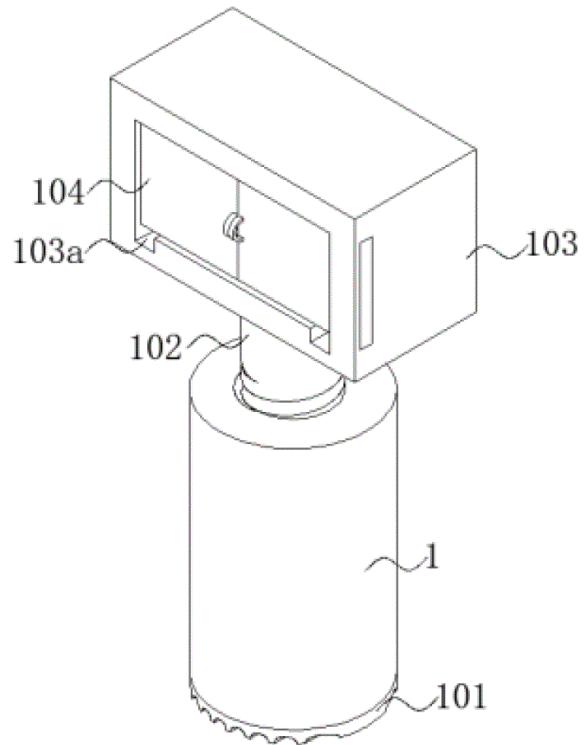
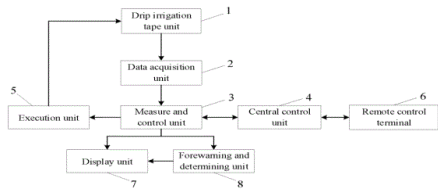


21: 2024/04324. 22: 2024/06/03. 43: 2024/12/20
51: G06Q

71: Gansu Desert Control Research Institute
72: LIU, Shujuan, YUAN, Hongbo, LI, Xuemin, LIU, Kailin

54: REAL-TIME MONITORING AND CONTROL SYSTEM FOR DRIP IRRIGATION IN SOLAR GREENHOUSE PLANTING

00: -
The present invention provides a real-time monitoring and control system for drip irrigation in solar greenhouse planting, which includes: a drip irrigation tape unit laid on the ground of a planting region, a data acquisition unit configured for acquiring environmental information about the planting region, a measure and control unit configured for converting the environmental analogue signals into environmental digital signals, a display unit configured for displaying the environmental information about the planting region, a forewarning and determining unit configured for determining whether the environmental information about the planting region is abnormal, a central control unit configured for analyzing the environmental digital signals to obtain environmental regulation and control information, a remote control terminal configured for issuing a control instruction according to the environment regulation and control information, and an execution unit configured for controlling the flow of fertilizers or water in the drip irrigation tape unit.



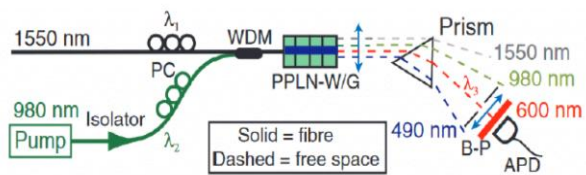
21: 2024/04325. 22: 2024/06/03. 43: 2024/12/20
 51: G06Q
 71: Guangzhou College of Technology and Business
 72: Liu Qiang, Xu Xiaona
54: A SMART EVALUATION DEVICE FOR LABOR EDUCATION OF COLLEGE STUDENTS

00: -
 This invention discloses a smart evaluation system for labor education of college students, involving the technical field of educational systems. The invention includes a support column, a frosted layer, an adjustment rod, a protective shell, and a box door. The lower side wall of the support column is connected to the frosted layer, the upper side wall of the support column is threaded with the adjustment rod, the upper side wall of the adjustment rod is fixedly connected to the protective shell, the side wall of the protective shell is connected to the box door, and the inner side wall of the protective shell is installed with protective components. It also includes an input module, an education system master module, a learning performance module, a sports performance module, and a scoring calculation module, as well as a comprehensive calculation module and an output module. The input module, education system master module, learning performance module, sports performance module, and scoring calculation module, as well as the comprehensive calculation module and output module, are all connected through a circuit board. This invention protects user privacy through protective components and also serves to protect the display screen.

21: 2024/04327. 22: 2024/06/03. 43: 2024/12/20
 51: H04L
 71: Dr. Vishal Sharma
 72: Dr. Vishal Sharma
 33: IN 31: 202411029369 32: 2024-04-11
54: A METHOD FOR SIMULATING THE PERFORMANCE OF QUANTUM KEY DISTRIBUTION (QKD) PROTOCOLS USING FREQUENCY UP-CONVERSION

00: -
 The present invention provides a method to analyses the feasibility of single photon and entangled based quantum key distribution protocols at telecommunication wavelength with two types of single photon detectors namely InGaAs/InP and Silicon-APD under various realistic conditions. The purpose of this optical fiber-based simulation is to analyze the various performance parameters like error rate, secure communication distance achieved, shifted key and secure key distribution. In addition to these, we analyze the effect of possible attacks on the one and two weak decoy state protocols under investigation with the two deployed avalanche photodiodes. The simulation results obtained show that the one and two weak decoy state used in the entangled based protocol at telecommunication wavelength with considered attacks and under

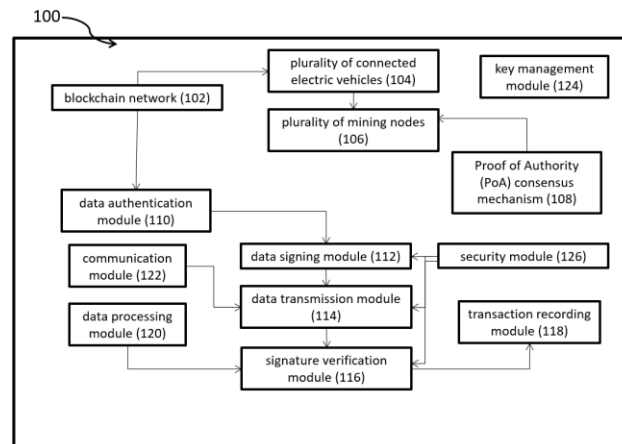
various industrial parameters outperforms the single photon-based quantum key distribution protocol. In addition, it is also observed that Silicon-APD (avalanche photodiode) performs better than InGaAs/InP-APD considering all the said conditions.



21: 2024/04329. 22: 2024/06/03. 43: 2024/12/20
 51: B60R
 71: Amjad Aldweesh, Shaqra University
 72: Amjad Aldweesh

54: A SYSTEM FOR SECURE DATA AUTHENTICATION AND SHARING BETWEEN ELECTRIC VEHICLES IN A BLOCKCHAIN NETWORK

00: -
 The present invention relates to a system for secure data authentication and sharing between electric vehicles in an Internet of Vehicles (IoV) network utilizing blockchain technology. The system comprises a blockchain network with connected electric vehicles having unique key pairs and addresses, mining nodes maintaining a distributed ledger using Proof of Authority consensus, and modules for data signing using private keys, transmission, signature verification with public keys, and transaction recording. The blockchain network, consensus mechanism, and cryptographic techniques provide decentralization, transparency, non-repudiation, overcoming limitations of public key infrastructure for large vehicle networks. The system enables secure exchange of authenticated data between vehicles, fostering trusted communication and cooperation within the IoV ecosystem.



21: 2024/04335. 22: 2024/06/03. 43: 2024/12/20
 51: C07K; C12N; G01N
 71: COENBIO CO., LTD

54: MYCOBACTERIUM TUBERCULOSIS FUSION PROTEIN, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -
 A mycobacterium tuberculosis (MTB) fusion protein, a preparation method therefor and a use thereof. The MTB fusion protein is composed of two proteins, EAST6 and CFP10, has six connection structures, namely EEC, ECE, CEE, ECC, CEC and CCE, may be used to prepare various diagnostic or auxiliary diagnostic products for MTB infections and NTM infections, and has relatively high sensitivity and specificity.

21: 2024/04350. 22: 2024/06/04. 43: 2024/12/20
 51: H04W
 71: BENGBU EI FIRE ELECTRONICS CO., LTD.
 72: LI, Wei, HU, Mingyu, QI, Yi, PANG, Chuandao, ZHANG, Biao, HAO, Shuai

54: LOW-POWER-CONSUMPTION WIRELESS FIRE ALARM SYSTEM TERMINAL WAKE-UP INSPECTION METHOD AND SYSTEM

00: -
 The present invention discloses a low-power-consumption wireless fire alarm system terminal wake-up inspection method, comprising the following steps: presetting an inspection period of a wireless controller; in an inspection period, the wireless controller regularly sends a wireless awakening short packet to awaken a wireless terminal and

receives and processes inspection response information of the terminal; the wireless terminal regularly opens the CAD to carry out carrier wave monitoring, the time slot received by opening the CAD of the wireless terminal in the next inspection period can be aligned with the lead code part of the first packet awakening short packet sent by the wireless controller, the serial number of the wireless awakening short packet is received, and time slot alignment is kept; the wireless terminal calculates whether the serial numbers of the wake-up short packets received in continuous N periods are the same, and N is greater or equal to 3; if so, not receiving the wake-up data packet, but directly sleeping to the polling response sending moment; and the wireless controller determines whether there is an abnormality based on the received response packet, and if there is a terminal which does not receive the response data, the above inspection process is repeatedly initiated within a preset inspection period.



21: 2024/04351. 22: 2024/06/04. 43: 2024/12/20
51: G06Q

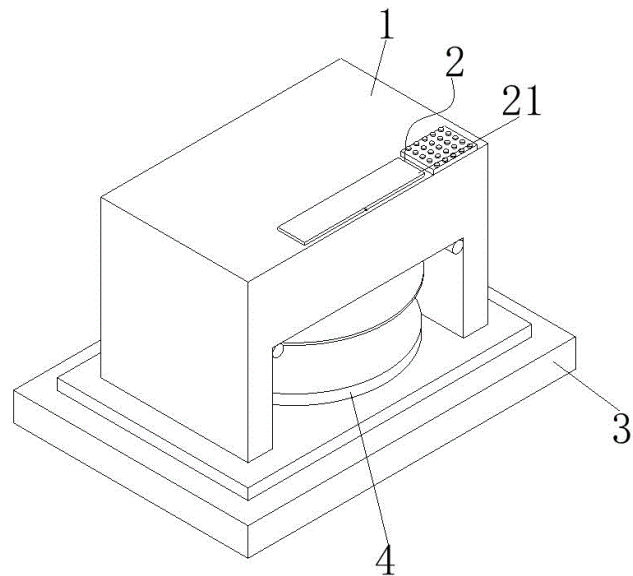
71: Jiaxing Vocational and Technology College
72: Tongrui Yu

54: AN ELECTRONIC COMMERCE MANAGEMENT PLATFORM DEVICE

00: -

The invention discloses an electronic commerce management platform device, belonging to the technical field of electronic commerce, comprising a base, above which a rotating placement mechanism is arranged; The invention provides a pressing component, places the sales product on the rotating placement mechanism, and then rotates the rotating nut to make it rotate and move along the fixed screw, and drives the moving rod to move along the fixed screw, and the moving rod to move the connecting spring, and the moving rod to move the transparent pressing plate. When the transparent pressing plate moves to fit the upper surface of the sales product, Stop rotating the rotating nut, and under the action of the transparent pressing plate, the sales can be pressed and fixed to ensure the stability of the placement of the sales products, to avoid the subsequent use of the rotating placement

mechanism to drive the rotation of the sales products, the force of the sales products on the rotating placement mechanism displacement or even out of the rotating placement mechanism to ensure the shooting effect of the subsequent sales products.



21: 2024/04355. 22: 2024/06/04. 43: 2024/12/20
51: B62D

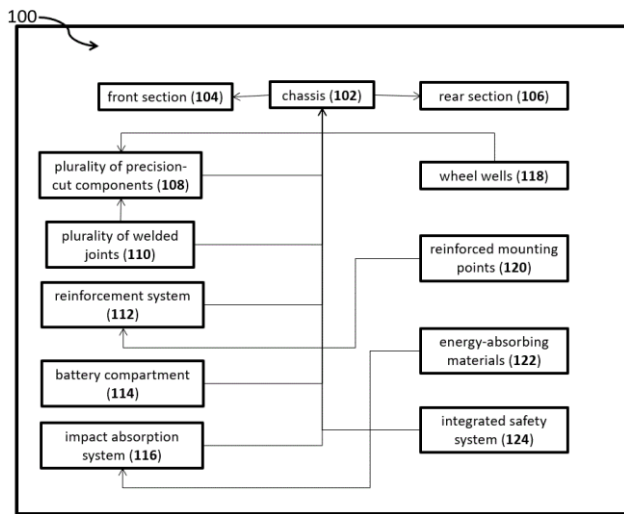
71: Techno India University, West Bengal
72: Dr. Subashis Biswas, Dipayan Ghosh

54: A SYSTEM FOR SAFE STORAGE OF RECHARGEABLE BATTERY KITS IN ELECTRIC VEHICLES AND A METHOD FOR CONSTRUCTING THE SAME

00: -

The present invention provides a system for safe storage of rechargeable battery kits in electric vehicles, comprising a chassis constructed from precision-cut and bent mild steel components. The chassis includes a front section and rear section bent upwards at optimal angles to minimize collision risks. A reinforcement system, reinforced mounting points, and an impact absorption system with energy-absorbing materials surrounding the battery compartment enhance structural integrity and protect the rechargeable battery kit during impacts. An integrated safety system with impact sensors and thermal management monitors and safeguards the battery. The chassis is designed using CAD software for precise dimensioning and incorporates corrosion-resistant coatings. The system provides robust structural stability, optimal weight distribution, dedicated battery protection, and mitigation of risks

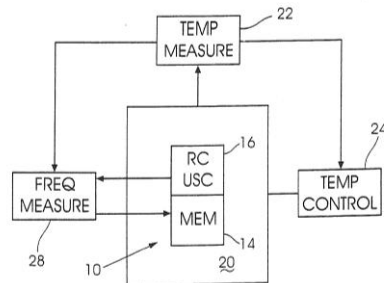
associated with high-voltage battery systems, enhancing passenger safety and instilling confidence in electric vehicle adoption.



21: 2024/04357. 22: 2024/06/04. 43: 2024/12/20
 51: E21B; F42B; F42C; F42D
 71: DETNET SOUTH AFRICA (PTY) LTD
 72: KRUGER, Michiel Jacobus, VAN SOELEN, Schagen Diederik, LO, Cory

54: BOREHOLE TEMPERATURE MONITORING

00: -
 The invention provides a detonator which includes an oscillator, and a memory unit in which is stored a first measurement which is based on the frequency of oscillation of the oscillator at a first temperature and a second measurement which is based on the frequency of oscillation of the oscillator at a second temperature. The invention further extends to a method of monitoring a temperature in a borehole which includes the steps of using the first and second frequency measurements and the first and second temperatures to establish a frequency versus temperature relationship for the oscillator, placing the oscillator into the borehole, obtaining a third measurement of the frequency of oscillation of the oscillator while it is in the borehole, and using said frequency versus temperature relationship and the third frequency measurement to determine the temperature of the oscillator at the time the third frequency measurement was obtained.



21: 2024/04377. 22: 2024/06/05. 43: 2024/12/20
 51: G06F
 71: QINGDAO AUBON INSTRUMENT CO., LTD
 72: Hui CHEN, Liqun ZHANG, Guiliang CUI, Jifei LUO
 33: CN 31: 202311824614.7 32: 2023-12-27

54: INTELLIGENT MONITORING SYSTEM FOR TANK SERVO SAMPLING BASED ON ARTIFICIAL INTELLIGENCE

00: -
 An intelligent monitoring system for tank servo sampling based on artificial intelligence provided, includes a data monitoring platform; a sampling operation platform exchanging data with the data monitoring platform; a distributed retrieval engine constructed by an data monitoring platform, and the distributed retrieval engine retrieving historical data according to a time index, and obtaining historical parameter data of the same specification of the tank; the data monitoring platform fitting the historical parameter data to time data of the storage tank, and adjusting the historical parameter data; and establishing an error coefficient of the corresponding storage tank, and verifying the error coefficient; the data monitoring platform establishing the data feedback interval according to the error coefficient, sending control instructions to the sampling operation platform periodically during the data feedback interval; the sampling operation platform controlling a servo sampling device to sample the storage tank according to the control instructions, testing the samples after retention, and marking the test data and uploading the marked testing data to the data monitoring platform, and marking retained samples; and adjusting the error coefficient by the feedback detection data, and adjusting the data feedback interval in real time.

Exchanging data between data monitoring platform and sampling operation platform; The data monitoring platform constructs a distributed retrieval engine, retrieves historical data according to the time index, and obtains historical parameter data of the same specification of the tank



Fitting the historical parameter data to the time data of the storage tank, and the historical parameter data are adjusted to establish the error coefficient of the corresponding storage tank, and the error coefficient is verified



Establishing data feedback interval according to the error coefficient, and sending control instructions to the sampling operation platform periodically by the data monitoring platform

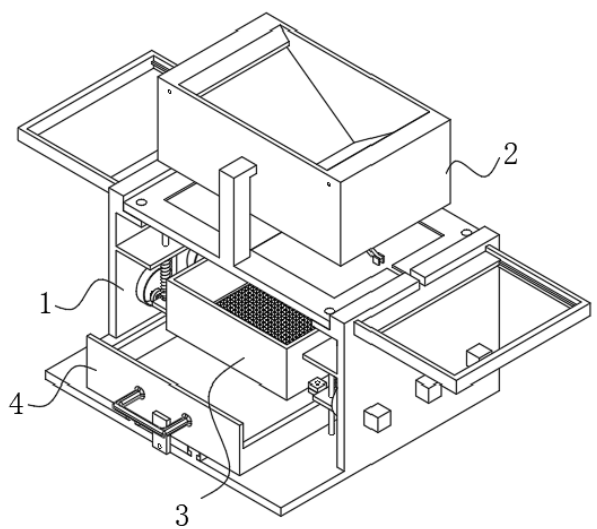


Controlling a servo sampling device to sample the storage tank by the sampling operation platform according to the control instructions, and testing the samples after retention, and marking and uploading the test data to the data monitoring platform, and marking the retained samples correspondingly.



Adjusting the error coefficient by the feedback detection data, and the data feedback interval is adjusted in real time

According to the present invention, through designing the supporting mechanism, the feeding mechanism, the screening mechanism, and the collection mechanism, as well as a connection and cooperation relationship between each mechanisms, a screening process is simplified, a screening speed is improved, practicality is high, and a collection work after screening is facilitated; through designing the supporting mechanism and the feeding mechanism, as well as a connection and cooperation relationship between the two mechanisms, blockage inside mechanical structure caused by pouring a large amount of the metallurgical raw material at once is prevented, certain damage to the mechanical structure is avoided, and a final screening efficiency is improved.



21: 2024/04378. 22: 2024/06/05. 43: 2024/12/20
 51: B07B
 71: SUZHOU VOCATIONAL INSTITUTE OF INDUSTRIAL TECHNOLOGY
 72: Xiaohua CHEN, Guangcai ZHANG, Zhanshan WANG, Yujie BAI, Yang WANG, Dong XIE
 33: CN 31: 202410516538.1 32: 2024-04-26
54: SCREENING DEVICE BASED ON METALLURGICAL RAW MATERIAL
 00: -

The present invention discloses a screening device based on metallurgical raw material, which relates to a technical field of screening equipment. The present invention comprises a supporting mechanism, a feeding mechanism, a screening mechanism, and a collection mechanism; the feeding mechanism is fixedly connected to the supporting mechanism by a bolt; the screening mechanism is fixedly connected to the supporting mechanism by the bolt; the collection mechanism is slidably fitted with the supporting mechanism.

21: 2024/04380. 22: 2024/06/05. 43: 2024/12/20
 51: E06B
 71: LOUVER-LITE LIMITED
 72: GREENING, Andrew
 33: GB 31: 2116362.1 32: 2021-11-12
54: WINDOW BLIND FRAME
 00: -

A window blind frame comprising a top frame element, a bottom frame element, and a pair of opposed side frame elements, wherein the frame elements are secured together via respective corner brackets; wherein the top frame element is a two part component; the bottom frame is a two-part component; wherein the window blind frame further includes an upper T-shaped bracket, a lower T-shaped bracket, and a supporting member, wherein

the upper T-shaped bracket connects the two top frame components and an upper end of the supporting member; and wherein the lower T-shaped bracket connects the two bottom frame elements and a lower end of the supporting member.

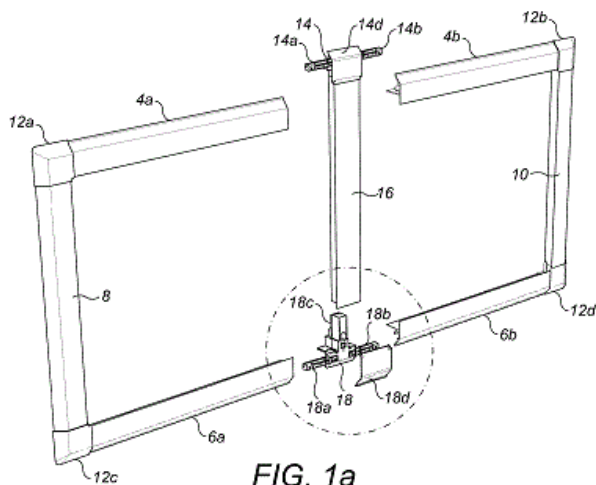


FIG. 1a

21: 2024/04384. 22: 2024/06/05. 43: 2024/12/20
 51: A01N; C05F
 71: UPM-KYMMENE CORPORATION, GREEN INNOVATION GMBH
 72: PIETARINEN, Suvi, LEONARDI, Giuliano, HUBSCH, Christian
 33: IT 31: 102021000028904 32: 2021-11-15
54: A GRANULAR BIOSTIMULANT AS PLANT GROWTH PROMOTER, PROCESSES FOR PREPARING THE SAME AND USES THEREOF

00: -
 A biostimulant is disclosed comprising a solid mixture of a) granules comprising a fungus of Trichoderma genus and at least one binding agent, and b) granules comprising a lignin fraction and optionally at least one carrier, as well as processes for preparing the same and uses as a plant growth and fruit production promoter in agriculture. In an additional aspect, an agro-chemical product is also disclosed comprising said biostimulant and agro-chemical additives.

21: 2024/04385. 22: 2024/06/05. 43: 2024/12/20
 51: A61K; C07K; C12N; A61P
 71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
 72: XU, Wenfeng, DONG, Chen, LIN, Pei-Hua, JIANG, Wei-Dong

33: CN 31: PCT/CN2021/139277 32: 2021-12-17
54: ANTI-OX40 ANTIBODIES AND METHODS OF USE

00: -
 Provided are antibodies and antibody derivatives that bind to OX40 and methods of using the same. The antibody or antibody derivative comprises a single domain antibody that binds to OX40.

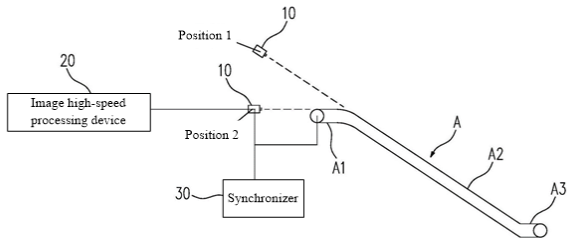
21: 2024/04398. 22: 2024/06/05. 43: 2024/12/20
 51: A61K; C07K; C12N; A61P
 71: SHANGHAI HENLIUS BIOTECH, INC., SHANGHAI HENLIUS BIOPHARMACEUTICAL CO., LTD., SHANGHAI HENLIUS BIOLOGICS CO., LTD.
 72: XU, Wenfeng, DONG, Chen, LIN, Pei-Hua, JIANG, Wei-Dong, CHANG, Jen-Kuan
 33: CN 31: PCT/CN2021/139273 32: 2021-12-17
54: ANTI-OX40 ANTIBODIES, MULTISPECIFIC ANTIBODIES AND METHODS OF USE

00: -
 Provided are antibodies and antibody derivatives that bind to OX40 and methods of using the same. In certain embodiments, the antibody or antibody derivative disclosed herein comprises a single domain antibody that binds to OX40. In certain embodiments, the antibody derivative is a multispecific antibody that binds to OX40 and an additional antigen, e.g., CTLA4.

21: 2024/04405. 22: 2024/06/06. 43: 2024/12/20
 51: G01G
 71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD
 72: ZHU, Zaisheng, WANG, Mingling, CHEN, Hao, TIAN, Si, ZHENG, Mengze, ZHANG, Yubin, LV, Huanpei, WANG, Hairong, LV, Xuejiao, LIU, Huiping
54: NON-CONTACT WEIGHING AND DEVIATION WARNING DEVICE FOR BELT CONVEYING

00: -
 Disclosed is a non-contact weighing and deviation warning device for belt conveying including a sensor for obtaining profile information data of a belt and a material on the belt in a direction perpendicular to a conveying direction of the belt; a data processor for obtaining a cross sectional area of the material on the belt according to the profile information data, where the data processor can obtain mass of the material conveyed by the belt in corresponding running time by combining a conveying speed of the belt, the running time and density of the material, the

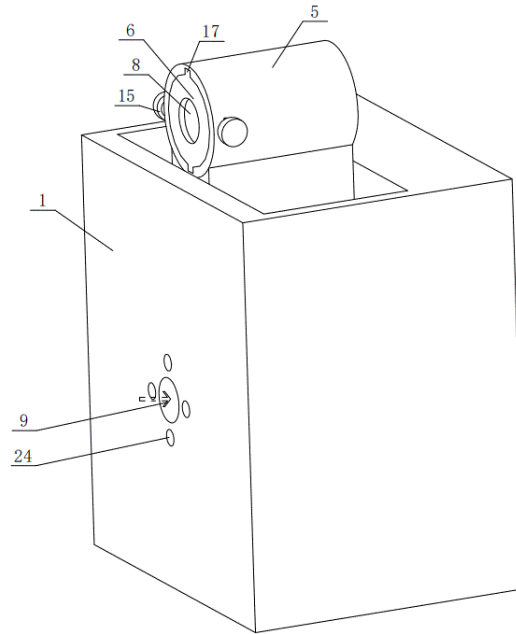
data processor also compares shape profiles of the belt obtained in different periods, and when a deviation value of the shape profiles of the belt obtained in different periods reaches a preset value, the data processing device sends out an alarm signal; a synchronizer to enable the sensor and the belt to work synchronously.



21: 2024/04406. 22: 2024/06/06. 43: 2024/12/20
 51: H02G
 71: Luoyang Lixin Metal Products Co., Ltd
 72: Li Shijia, Yang Xiangdong
54: A LOW RELAXATION PRESTRESSED STEEL STRAND PRODUCTION DEVICE AND PRODUCTION PROCESS

00: -
 The present invention discloses a low relaxation prestressed steel strand production device and production process, comprising a box body. The upper part of the right end face of the box body is inserted with a rotating rod, and the left end of the rotating rod is placed in the cavity of the box body. A rectangular block is provided on the rotating rod, and the upper and lower end faces of the rectangular block are symmetrical with respect to the rotating rod. The right end of the rotating rod has a first fixing device, and the rotating rod drives the rectangular block to rotate and is fixed by the first fixing device. The upper and lower ends of the rectangular block are respectively fixed by the first fixing device. There is a circular plate sliding inside the cylinder, a drawing mold inside the cylinder, and a second fixing device on the outer edge surface of the cylinder. After the circular plate slides into the cylinder, it is fixed by the second fixing device. The circular plate has a circular hole, which runs through the lower part of the cylinder. There is a through-hole that runs through the box and is aligned with the circular hole on the cylinder at the lower end of the rectangular block; The present invention also includes a detection device, which extends into the circular hole of the cylinder

and rotates to detect the degree of wear of the drawing die hole. The invention solves the problem of long downtime caused by replacing the drawing die.



21: 2024/04407. 22: 2024/06/06. 43: 2024/12/20
 51: A01H
 71: Crop Research Institute, Sichuan Academy of Agricultural Sciences
 72: LI, Shizhao, LIU, Zehou, WU, Ling, TU, Yang, ZHU, Huazhong, ZHENG, Jianmin
 33: CN 31: 202311173741.5 32: 2023-09-12
54: METHOD FOR HYBRID BREEDING OF WAXY HULLESS BARLEY FOR GRAIN

00: -
 Disclosed is a method for hybrid breeding of waxy hulless barley for grain. The method includes: (1) determining character donor parents of waxy barley and parents of non-waxy barley; (2) preparing hybrid combinations; and (3) breeding filial generations. The present invention can perform waxy selection in any generation of the waxy hulless barley by hybrid breeding. It is easy to select spikes (plants) in population of an F2 generation in an adult-plant stage, and waxy hybrid individuals can be kept, which is better than a grain-by-grain selection effect of the F2 generation in an embryo stage (seeds are harvested from F1 plants). Iodine-potassium iodide is used for dyeing identification of grain section, and the method is simple and has high accuracy. A multi-grain dyeing method for fresh spikes is not only

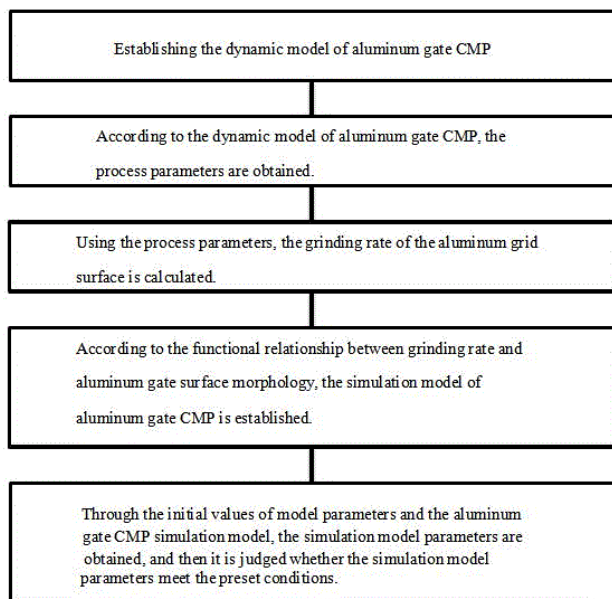
suitable for field selection, but also faster and more efficient than a traditional single-grain iodine dyeing method.



21: 2024/04408. 22: 2024/06/06. 43: 2024/12/20
51: G06F
71: TANGSHAN UNIVERSITY
72: ZHANG Jin, XUE Yali

54: SIMULATION OPTIMIZATION SYSTEM AND METHOD FOR ALUMINUM GATE CMP

00: -
The invention discloses a simulation optimization system and method for aluminum gate CMP, which comprises the following steps: establishing an aluminum gate CMP dynamic model; obtaining process parameters according to the aluminum gate CMP dynamic model; calculating the grinding rate of the aluminum gate surface by using the process parameters; according to the functional relationship between the grinding rate and the surface morphology of the aluminum grid, a simulating model of CMP of the aluminum grid is established; obtaining simulating model parameters through initial values of model parameters and the aluminum gate CMP simulating model, and then judging whether the simulating model parameters meet preset conditions. The invention improves the processing quality and efficiency of the aluminum grid.

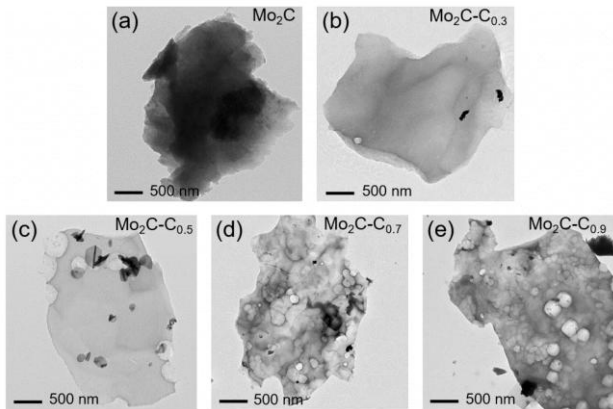


21: 2024/04409. 22: 2024/06/06. 43: 2024/12/20
51: B01J
71: Henan University of Urban Construction
72: Yan Xu, Yan Yan, Mao Yanli, Huo Pengwei, Guo Chengqi, Chen Yahui, Zhu Xinfeng, Kang Haiyan, Li Baixin, Song Zhongxian, Zhang Xia, Ma Mengxia, Li Yanna, Cui Leqi, Zhu Han, Bai Wenyu
33: CN 31: 2024101467772 32: 2024-02-02

54: ORGANIC HYDROPHOBIC GROUP METAL CARBIDE COUPLING FILM AND ITS PREPARATION METHOD AND APPLICATION

00: -
The invention provides an organic hydrophobic group metal carbide coupling film and its preparation method and application, which relates to the technical field of photocatalytic materials. According to the present invention, disperse Mo powder in ethanol, stir for the first time, slowly add H₂O₂ solution, and then continuously stir to obtain blue Mo ink solution; then inject obtained the blue Mo ink solution into potassium chloride, then add glucose and vigorously stir the mixture in a water bath until it is dry; finally, calcine and cool the dried mixture to room temperature under the atmosphere of hydrogen-argon mixture, wash, and grow in situ to obtain the Mo₂C-C_x coupling film, wherein X is the mass of 0.1 g Mo powder corresponding to the added glucose. According to the present invention, by utilizing the catalytic characteristics of Mo₂C and the enhanced synergistic effect of carbon layer PTT, the obtained catalyst can realize CO₂ reduction in a

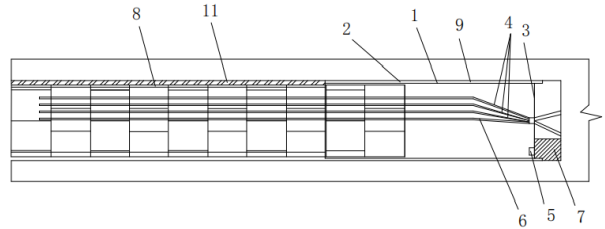
wide wavelength range including ultraviolet-near infrared light.



21: 2024/04410. 22: 2024/06/06. 43: 2024/12/20
 51: E21D
 71: CHINA RAILWAY FIRST GROUP URBAN RAIL TRANSIT ENGINEERING CO., LTD, CHINA RAILWAY FIRST GROUP CO., LTD
 72: WU, Jincheng, WANG, Dangku, ZHANG, Buling, XU, Dongsheng, QU, Tao, LI, Zhao, WANG, Bin, GONG, Shuaishuai, LI, kuan, DONG, Xiaolong, SI, Rui, FANG, Xinhua

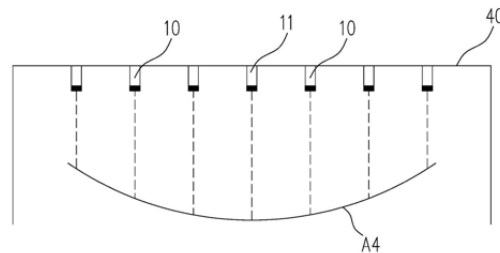
54: EARTH PRESSURE BALANCE SHIELD TUNNELING METHOD FOR UPPER SOFT AND LOWER HARD AND FULL-FACE HARD ROCK STRATA

00: -
 Provided is an earth pressure balance shield tunneling method for upper soft and lower hard and full-face hard rock strata. The method includes: installing air supply pipes: installing the air supply pipes for injecting air into an earth chamber; shield tunneling: performing shield tunneling construction by the earth pressure balance shield machine; during the performing shield tunneling construction, injecting the air into the earth chamber through the air supply pipes to keep an internal pressure of the earth chamber stable; discharging muck outwards through a spiral excavator, so that a distance between an upper surface of the muck in the earth chamber and a top of an excavation opening is always 20 centimeter to 40 centimeter; shield segments assembling construction: performing the shield segments assembling construction according to a conventional segment assembling lining construction process during the shield tunneling construction, to obtain an assembled segment ring.



21: 2024/04411. 22: 2024/06/06. 43: 2024/12/20
 51: G01G
 71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD
 72: ZHU, Zaisheng, WANG, Mingling, CHEN, Hao, TIAN, Si, ZHENG, Mengze, ZHANG, Yubin, LV, Huanpei, WANG, Hairong, LV, Xuejiao, LIU, Huiping
54: NON-CONTACT WEIGHING AND DEVIATION WARNING APPARATUS FOR BELT CONVEYOR
 00: -

Disclosed is a non-contact weighing and deviation warning device for a belt conveyor including sensors configured to obtain profile information data of a belt and a material on the belt in a direction perpendicular to a conveying direction of the belt; a data processor which obtains a cross sectional area of the material on the belt according to the profile information data, where the data processor obtains mass of the material conveyed by the belt in corresponding running time by combining a conveying speed of the belt, the running time and density of the material, the data processor further compares shape profiles of the belt obtained in different periods, when a deviation value of the shape profiles of the belt obtained in different periods reaches a preset value, the data processor sends out an alarm signal; a synchronizer configured to enable the sensors and the belt to work synchronously.



21: 2024/04420. 22: 2024/06/06. 43: 2024/12/20
 51: C22B; C25C; F27B

71: SEC CARBON, Ltd., COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION

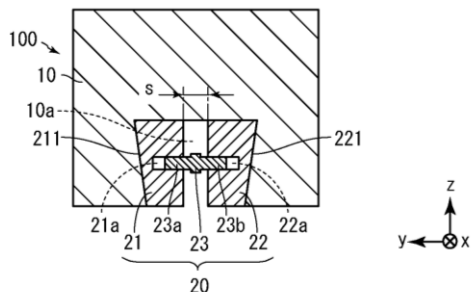
72: AKITA, Ryo, KOYAMA, Yasuhiro, TSUDA, Takuya, KIERUJ, Jeremy, MOLENAAR, David

33: JP 31: JP2021-209593 32: 2021-12-23

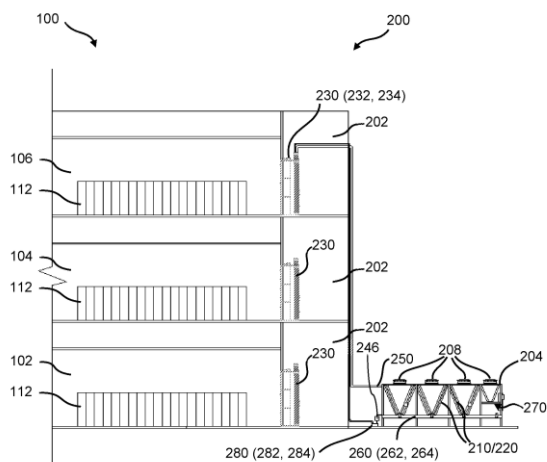
54: CATHODE ASSEMBLY

00: -

Provided is a cathode assembly that makes it possible to simplify the task of connecting a cathode block and a collector bar. A cathode assembly (100) is used in an electrolytic furnace for aluminum smelting and comprises: a carbon cathode block (10) provided with a groove (10a); and a collector bar unit (20) inserted into the groove (10a). The collector bar unit (20) includes: two metal collector bars (21), (22), each having a shape extending in the same direction as the groove (10a) and arranged side by side in the width direction of the groove (10a); and a spacing adjustment member (23) that adjusts the spacing between the two collector bars (21), (22). The spacing adjustment member (23) includes a mechanism that adjusts the spacing between the two collector bars (21), (22) by using a screw.



primary cooling medium in the gas phase switches from being received by the passive condenser to the heat exchanger without operating any valves and supplies the primary cooling medium in the liquid phase to the evaporator. When the secondary cooling medium is not provided to the heat exchanger, the heat exchanger does not supply the primary cooling medium in the liquid phase to the evaporator. The pump is located in a liquid line fluidly connecting the evaporator to the passive condenser and the heat exchanger and pumps the primary cooling medium in the liquid phase to the evaporator.



21: 2024/04429. 22: 2024/06/06. 43: 2024/12/20

51: F25B; H05K

71: MUNTERS CORPORATION

72: FANG, Wei, NEUWALD, Rafael, BOUCHER, Michael

33: US 31: 63/297,000 32: 2022-01-06

54: ACTIVE/PASSIVE COOLING SYSTEM WITH PUMPED REFRIGERANT

00: -

A cooling system including an evaporator, a passive condenser, a heat exchanger, and a pump. The passive condenser is arranged in parallel with the heat exchanger relative to the fluid flow of a primary cooling medium. When a secondary cooling medium is provided to the heat exchanger, at least some of a

21: 2024/04431. 22: 2024/06/06. 43: 2024/12/20

51: B62J; G01R

71: ANHUI NORMAL UNIVERSITY

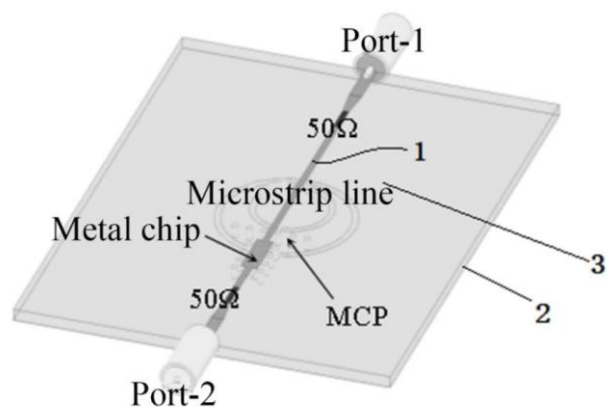
72: Chen WANG, Xiaoming LIU, Dan ZHANG, Hexue LIU, Jiajia WANG, Kai LIU

54: 5G PLANAR ELECTROMAGNETIC SENSOR BASED ON COMPLEMENTARY SPLIT RING, AND MEASURING METHOD

00: -

The present disclosure provides a 5G (5-Generation) planar electromagnetic sensor based on a complementary split ring, and a measuring method, belonging to the technical field of radio frequency and microwave engineering. The 5G planar electromagnetic sensor based on the complementary split ring provided by the present disclosure includes a ground (GND) layer, configured to form an equivalent circuit and to measure a complex permittivity or a complex permeability of a sample by being in contact with the measured object sample; a dielectric layer,

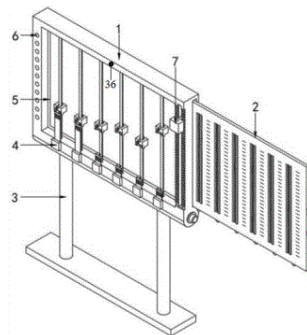
configured to form an LC-like (Inductance-Capacitance) resonant cavity; a microstrip line layer, configured to transmit a signal and to enable an output end of the signal to match with a load; and the GND layer includes a complementary split ring resonant structure formed by etching two circular rings, and a substrate integrated waveguide structure. In the present disclosure, the arrangement of the GND layer, dielectric layer and microstrip line layer implements the simultaneous measurement for the complex permittivity or complex permeability of the sample, and improves the measuring accuracy when measuring the complex permittivity and complex permeability.



21: 2024/04435. 22: 2024/06/07. 43: 2024/12/20
 51: G09B
 71: BAICHENG NORMAL UNIVERSITY
 72: WANG, Bingyu
54: BUSINESS ADMINISTRATION MAJOR TEACHING SYSTEM
 00: -

The present invention discloses a business administration major teaching system and relates to the technical field of business administration teaching. A plurality of demonstration mechanisms are installed on a teaching board to adjust heights of height adjusting boxes and cylindrical demonstration belts in the business administration teaching demonstration mechanisms, so as to simulate values of cylindrical graphs in data statistics, and demonstration lines are used for simulating broken line graphs in data statistics, so that the data statistics content in business administration teaching can be better displayed; students can participate in the teaching process and understand knowledge

such as management methods and importance of all parts in the business administration process, the learning interest of the students is improved, and the teaching system is very suitable for teaching of business administration major.



21: 2024/04436. 22: 2024/06/07. 43: 2024/12/20
 51: A61P
 71: ZHANG, Shanghai
 72: ZHANG, Shanghai

54: SHENPU OINTMENT FOR TREATING PERIANAL ECZEMA AND PRURITUS AND PREPARATION METHOD

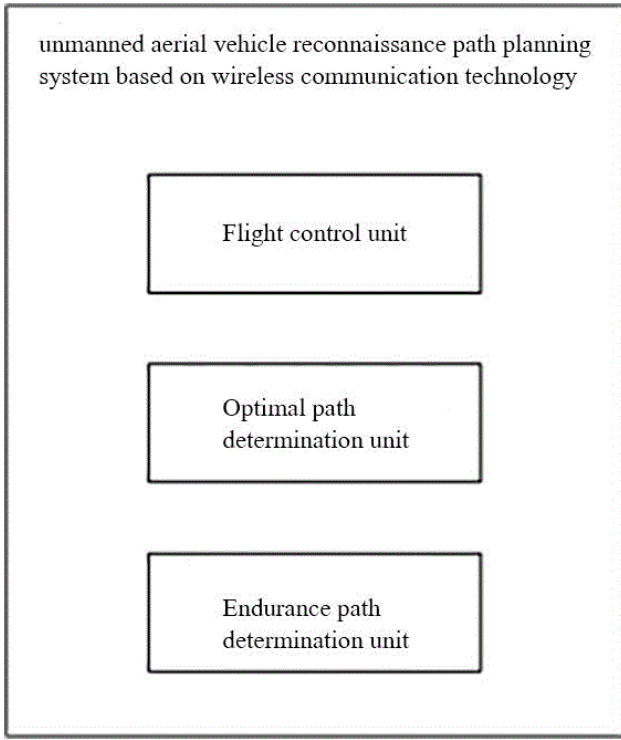
00: -
 Disclosed is a pure Chinese medicine preparation Shenpu ointment for treating perianal eczema and pruritus and a preparation method. Raw materials of the Shenpu ointment include in parts by mass: 25 to 35 parts of Radix sophorae flavescentis, 15 to 25 parts of Acorus gramineus, 15 to 25 parts of Senecio scandens, 5 to 15 parts of Radix stemonae, 15 to 25 parts of Cortex phellodendri, 5 to 15 parts of Cortex dictamni, 5 to 15 parts of Fructus kochiae, 15 to 25 parts of Fructus cnidii, 15 to 25 parts of Fructus toosendan, 5 to 15 parts of Spina gleditsiae, 3 to 8 parts of Chrysanthemum indicum, and 3 to 8 parts of borneol. The present invention uses active ingredients of natural Chinese herbal medicine, has bactericidal and antipruritic effects on the skin without pain, recurrence, and side effects, and can effectively relieve perianal eczema and pruritus ani.

21: 2024/04437. 22: 2024/06/07. 43: 2024/12/20
 51: G01C
 71: Shanghai Technical Institute of Electronics & Information
 72: Yunqing Li, Yuanchun Shang, Pengyu Li

54: A RECONNAISSANCE PATH PLANNING SYSTEM FOR UNMANNED AERIAL VEHICLE

BASED ON WIRELESS COMMUNICATION TECHNOLOGY

00: -
 The invention relates to the technical field of unmanned aerial vehicle path planning, in particular to a reconnaissance path planning system for unmanned aerial vehicle based on wireless communication technology, which comprises: A flight control unit for presetting the standard flight altitude and standard flight speed of the unmanned aerial vehicle; The optimal path determination unit is used to obtain the coordinates of the unmanned aerial vehicle and the end point, and the straight line between the unmanned aerial vehicle coordinates and the end point coordinates is used as the optimal path; The endurance path determination unit is used to select several endurance charging stations near the optimal path as real-time target points, and determine the real-time endurance path based on the real-time target points and the coordinates of the unmanned aerial vehicle. When the current endurance mileage is greater than the distance between the coordinates of the unmanned aerial vehicle and the end coordinates, the end coordinates are taken as the final target points to complete the path planning. The invention greatly improves the reconnaissance ability of unmanned aerial vehicle in complex environment and the intelligent level of path planning through the introduction of wireless communication technology and multifaceted path optimization strategy.

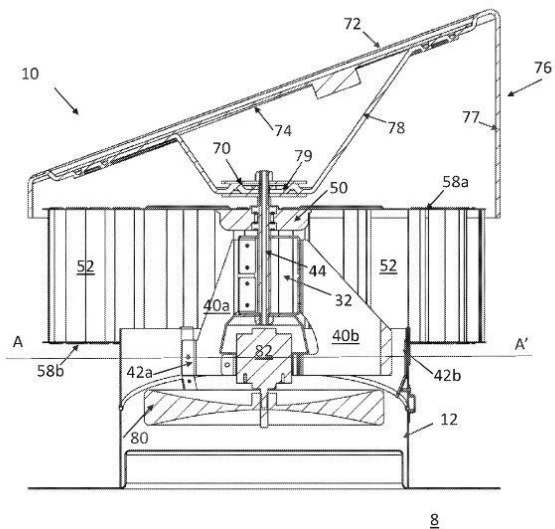
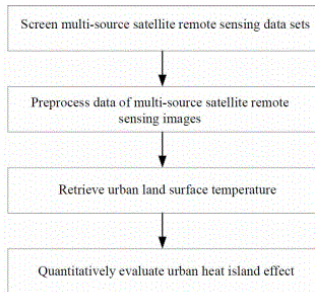


21: 2024/04438. 22: 2024/06/07. 43: 2024/12/20
 51: G01S

71: Henan University of Urban Construction
 72: ZHANG, Zhimin, LIN, Yitang, SHI, Chunlei, CHEN, Wenfang, WEN, Ying

54: METHOD FOR QUANTITATIVE EVALUATION OF URBAN HEAT ISLAND EFFECT BASED ON MULTI-SOURCE SATELLITE REMOTE SENSING

00: -
 The present invention belongs to the technical field of urban remote sensing applications and discloses a method for quantitative evaluation of urban heat island effect based on multi-source satellite remote sensing. The method for quantitative evaluation of urban heat island effect based on multi-source satellite remote sensing includes the following steps: S1, screening multi-source satellite remote sensing data set; S2, preprocessing data of multi-source satellite remote sensing images; S3, retrieving urban land surface temperature (LST); and S4, quantitatively evaluating urban heat island effect. The present invention can quantitatively evaluate the spatial and temporal distribution features of the urban heat island effect and provide a strategic basis for future urban planning and construction.

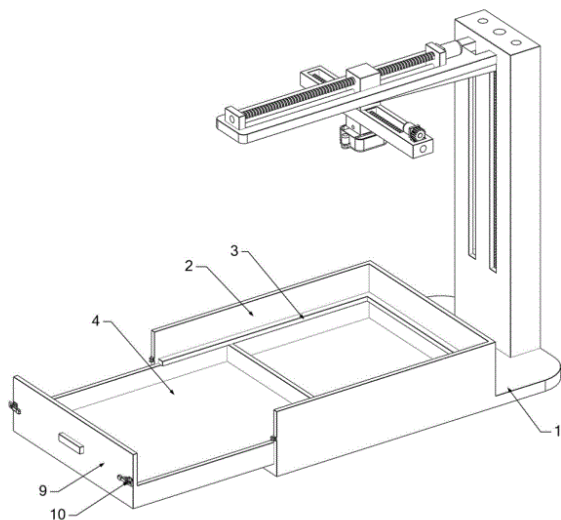


21: 2024/04442. 22: 2024/06/07. 43: 2024/12/20
 51: F03D; F04D; F24F
 71: ISWIRL PTY LTD
 72: BURMAN, Brian
 33: AU 31: 2021904050 32: 2021-12-14
54: SOLAR POWERED ROOF VENTILATOR
 00: -

A roof ventilator for use with a throat mounted onto a roof. The roof ventilator comprising: a support assembly for attaching the roof ventilator to the throat. The support assembly comprising: a body having a top and a bottom; a plurality of support arms extending from the body for engagement with the inside surface of the throat, and a passageway running through the body from the top to the bottom. A solar panel support assembly, for supporting a solar panel, located at the top of the support assembly. A solar powered fan powered by a motor, each of which are located at the bottom of the support assembly. A blade support assembly provided on the body rotatable relative to the body. A series of blades mounted to the blade support assembly; the series of blades adapted to spin under the influence of air movement from the outside atmosphere. In the roof ventilator, the electronic circuitry from the solar panel travels from the solar panel through the passageway to the motor that powers the solar powered fan; and the roof ventilator is able to evacuate air either under the influence of movement of the first series of blades and/or by operation of the solar powered fan.

21: 2024/04466. 22: 2024/06/10. 43: 2024/12/20
 51: G01N
 71: Zhejiang Green Glass Industry Co., Ltd.
 72: Weijun Jiang, Dongbao Lei, Fen Ren, Zhongbiao Zhong, Yanhong Wu
54: INSULATING GLASS TESTING DEVICE
 00: -

The invention belongs to the technical field of insulating glass testing and particularly relates to an insulating glass testing device, comprising a base; a placing groove is provided on one side above the base, and a three-axis moving mechanism is provided on the other. The inner side of the placing groove is provided with a placing table, and the placing groove is slidably connected with a collection groove at the lower part of the placing table. The bottom of the three-axis moving mechanism is connected to a mobile table; a release box is inserted into the bottom of the mobile table, and one side of the release box is provided with a first drive motor. The output end of the first drive motor is rotatably connected with a shield plate, the shield plate matches the bottom shape of the release box and is against the bottom of the release box.



21: 2024/04468. 22: 2024/06/10. 43: 2024/12/20
51: A61L

71: Shanxi Medical University, Shanxi University of Chinese Medicine

72: Jianru Wang, Yumin Zhang

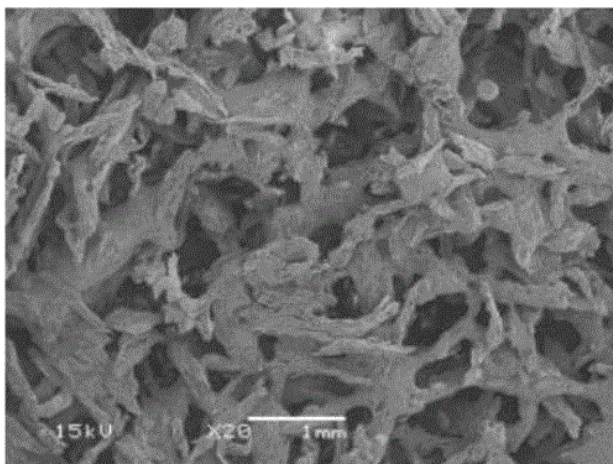
33: CN 31: 202311178652.X 32: 2023-09-13

54: A METHOD FOR FORMING A DEMINERALIZED BONE MATRIX AND PROMOTING ITS VASCULARIZATION

00: -

The invention discloses a method for forming a demineralized bone matrix and promoting its vascularization, belonging to the field of bone repair materials. The present invention aims at the clinical demineralized bone matrix is not easy to form and the existence of slow vascularization after implantation affects bone formation. It adopts polylactic acid as carrier, the demineralized bone matrix was synthesized by supercritical carbon dioxide technology and slow release technology, and then combined with astragalus polysaccharide for slow release to promote vascularization of demineralized bone matrix. The demineralized bone matrix adopts physical degreasing and decellularization, effectively removes the antigen component, and has no residual organic matter; The astragalus polysaccharide is derived from the natural extract of the herbal medicine astragalus, and has the advantages of non-tumorigenic, stable activity and low price compared with vascular growth factor. The invention adopts supercritical carbon dioxide technology to prepare demineralized bone matrix composite material. In the preparation process, high

temperature and organic solvent are not introduced, and the activity of growth factors in astragalus polysaccharide and demineralized bone matrix is not destroyed. The porosity of the demineralized bone matrix composite material prepared by the invention reaches 70%, the effective slow release time of astragalus polysaccharide reaches more than 15d, and the biomechanical strength of the demineralized bone matrix is significantly improved. Therefore, the method of promoting the molding and vascularization of demineralized bone matrix can solve the problems that the demineralized bone matrix is not easy to form, easy to lose after implantation and slow to vascularization, resulting in difficult fixation and insufficient supply of cells and nutrients during surgery. This can promote the repair effect of demineralized bone matrix and expand the application range.



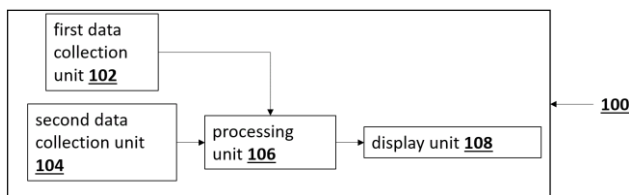
21: 2024/04474. 22: 2024/06/10. 43: 2024/12/20
51: C12N

71: PUGAZHENTHAN THANGARAJU, PRAKASH SRINIVASAN TIMIRI SHANMUGAM, SREE SUDHA TANGUTURI YELLA, KOTA SESA BRAHMA SREE KRISHNA SASANKA, VIJAYAKUMAR ARUMUGAM RAMAMURTHY, ELAVARASAN KANDASAMY, SAJITHA VENKATESAN, TAMILSELVAN THANGARAJU, ESWARAN THANGARAJU

72: PUGAZHENTHAN THANGARAJU, PRAKASH SRINIVASAN TIMIRI SHANMUGAM, SREE SUDHA TANGUTURI YELLA, KOTA SESA BRAHMA SREE KRISHNA SASANKA, VIJAYAKUMAR ARUMUGAM RAMAMURTHY, ELAVARASAN KANDASAMY, SAJITHA VENKATESAN, TAMILSELVAN THANGARAJU, ESWARAN THANGARAJU

54: SYSTEM AND METHOD FOR REPURPOSING DRUGS AGAINST HUMAN PAPILLOMAVIRUS (HPV) E6

00: -
 A system (100) and method (200) for repurposing drugs against human papillomavirus (HPV) E6, comprises of: a first data collection unit (102) for collecting a plurality of nucleoside and non-nucleoside reverse transcriptase inhibitors-based data; a second data collection unit (104) for collecting a plurality of data on protein structure; a processing unit (106) interconnected to the first data collection unit (102) and the second data collection unit (104) for docking the targeted proteins with ligands to obtain a docking score; and a display unit (108) connected to the processing unit (106) for displaying the docked complexes.

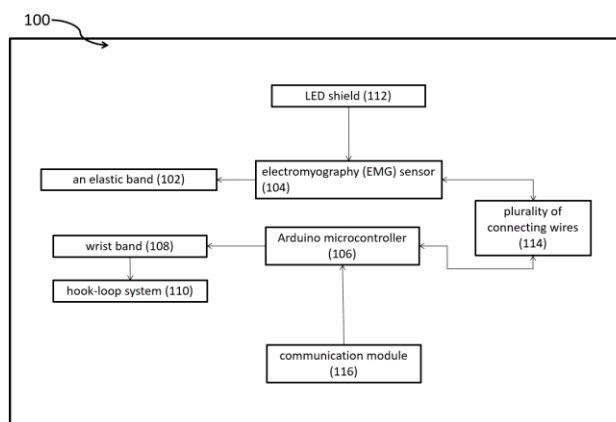


21: 2024/04475. 22: 2024/06/10. 43: 2024/12/20
 51: A61B
 71: Dr. Soly Mathew Biju, Dr. Obada Al Khatib, Manav
 72: Dr. Soly Mathew Biju, Dr. Obada Al Khatib, Manav

54: A WEARABLE DEVICE FOR EARLY DETECTION OF PARKINSON'S DISEASE, AND A METHOD THEREOF

00: -
 The present invention relates to a wearable device for early detection of Parkinson disease, and a method for diagnosis the same using said wearable device. The wearable device described integrates an electromyography (EMG) sensor with an Arduino microcontroller and LED shield, forming a compact EMG model for early detection of Parkinson's disease. The EMG sensor captures muscle activity data, which is processed and stored by the Arduino. The method involves preprocessing the data using Fourier transform and statistical analysis to identify Parkinsonian tremors' characteristics. Machine learning models are then trained on this dataset, selecting the optimal model with a 91.1% validation accuracy. The device's output indicates the likelihood of Parkinson's disease, providing valuable

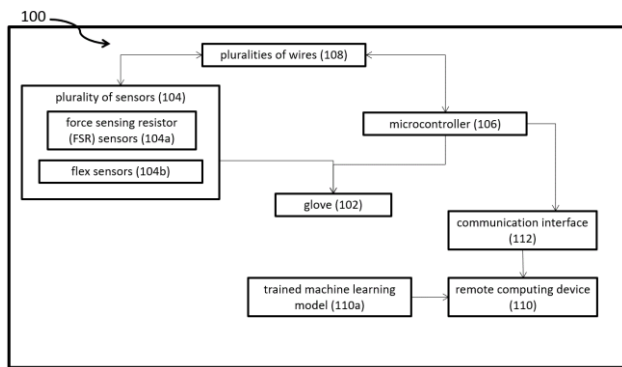
assistance to healthcare providers in diagnosis. This innovative approach presents a non-invasive, efficient, and reliable method for early Parkinson's detection, crucial for timely medical intervention.



21: 2024/04476. 22: 2024/06/10. 43: 2024/12/20
 51: A61B

71: Dr.Soly Mathew Biju, Prof. Farhad Oroumchian
 72: Dr.Soly Mathew Biju, Prof. Farhad Oroumchian
54: A GRIP STRENGTH MEASURING SYSTEM AND A METHOD THEREOF

00: -
 The present invention relates to a grip strength measuring system and a method thereof. This invention relates to a glove-based system for early detection of weak grip strength, a common issue caused by aging, diseases, or accidents. The system employs force sensing resistor (FSR) sensors and flex sensors to comprehensively assess the user's grip strength. The key innovation is the use of flex sensors to differentiate between pencil grip and object grip modes, providing more accurate evaluation. The system records sensor data, classifies grip strength as weak or strong using a machine learning model, and provides an indication of the user's grip condition. Tested with an accuracy of 90.8%, this system can aid in timely diagnosis and treatment of grip-related issues, leading to improved healthcare outcomes for affected individuals.



21: 2024/04481. 22: 2024/06/10. 43: 2024/12/20
 51: B01J; C10G; C10L
 71: VERSALIS S.P.A.

72: FELISARI, Riccardo, GALEOTTI, Armando,
 NODARI, Mirco, PONTICIELLO, Antonio,
 FERRANDO, Angelo, ASSANDRI, Fabio

33: IT 31: 102021000033044 32: 2021-12-30

54: PROCESS FOR THE PYROLYSIS OF SUBSTANTIALLY PLASTICS MATERIAL OF INCONSTANT COMPOSITION, RELATIVE REACTOR, APPARATUS AND PRODUCT OBTAINED

00: -

This invention relates to the processing of plastics materials for re-use and valorisation in chemical recycling processes for the re-use of substantially plastics materials otherwise destined for disposal. In particular the invention relates to a process for the pyrolysis of substantially plastics material to obtain at least liquid hydrocarbons that are in the liquid state at 25 degrees C comprising the following steps: a) feeding the substantially plastics material optionally already in the molten and/or preheated state to a pyrolysis reactor; b) bringing said material in said pyrolysis reactor to a temperature of between 330 degrees C and 580 degrees C in the substantial absence of oxygen and at a pressure of between atmospheric pressure and 13 bar(a); c) holding said material in said pyrolysis reactor at a temperature of between 330 degrees C and 580 degrees C for a time sufficient to produce at least one effluent in the gaseous state in said pyrolysis reactor; d) adjusting the pressure in said pyrolysis reactor in relation to characteristic parameters defined by the composition of said substantially plastics material and/or characteristic parameters defined by the products of said pyrolysis process, while maintaining said pressure at a value of between atmospheric pressure and 13 bar(a); e) partly or totally

condensing said effluent in the gaseous state so as to form at least one fluid comprising liquid hydrocarbons that are in the liquid state at 25 degrees C which quantitatively is at least 10% by mass with respect to the mass of substantially plastics material fed; f) the process being characterized by the fact that the pressure adjustment of step d) has low latency.

21: 2024/04493. 22: 2024/06/10. 43: 2024/12/20

51: B29B; C08J; C10B

71: VERSALIS S.P.A.

72: FELISARI, Riccardo, GALEOTTI, Armando,

NODARI, Mirco, BONACINI, Francesco

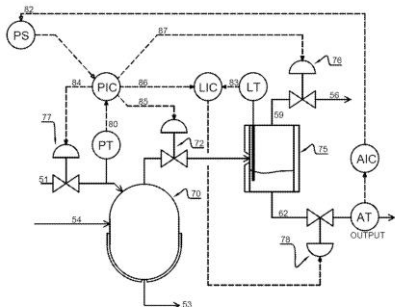
33: IT 31: 102021000033053 32: 2021-12-30

54: PYROLYSIS PROCESS FOR THE PRODUCTION OF A PYROLYSIS OIL SUITABLE FOR CLOSED LOOP RECYCLING, RELATED APPARATUS, PRODUCT AND USE THEREOF

00: -

The present invention relates to the treatment of plastic materials to be used for chemical recycling processes for the enhancement of substantially plastic materials otherwise destined for disposal. Specifically, the invention relates to a process for the pyrolysis of substantially plastic material to obtain at least hydrocarbons that are liquid at 25 degrees C, comprising the following steps: a) feeding a substantially plastic material to a pyrolysis reactor; b) bringing said material in said pyrolysis reactor to a temperature of between 330 degrees C and 580 degrees C in the substantial absence of oxygen and at a pressure of between atmospheric pressure and 13 bara; c) maintaining said material in said pyrolysis reactor for a sufficient amount of time to produce an effluent in the gaseous state; d) partially or fully condensing said effluent in the gaseous state, so as to form at least one fluid comprising hydrocarbons that are liquid at 25 degrees C and which quantitatively is at least 10% by mass with respect to the mass of substantially plastic material fed; e) carrying out an assessment of at least one property "Px" of the liquid condensed from said effluent in the gaseous state by means of at least one measurement "Ax" of the spectrum in transmission, reflection or transflexion on said condensed liquid; f) adjusting at least one process parameter "Ox" according to said assessment of at least one property "Px"; g) repeating steps e) and f)

iteratively so as to keep the said at least one property "Px" substantially constant over time.



21: 2024/04498. 22: 2024/06/10. 43: 2024/12/20
 51: A61K; A61P
 71: UNICHEM LABORATORIES LIMITED
 72: SATHE, Dhananjay, IYAPPAN, Saravanakumar
 33: IN 31: 202121058651 32: 2021-12-16
54: RECOMBINANT PROTEIN FOR SARS-COV2 DISEASE

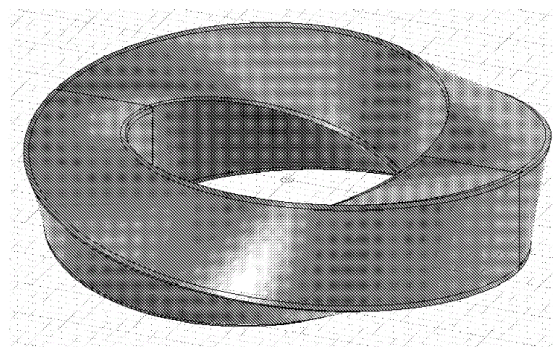
00: -
 The present invention relates to the protein for treatment of infectious disease caused by Coronaviridae. In particular, the invention relates to a recombinant Sclerotium rolfisii lectin for use in the treatment, reduction in progression and curing of SARS-COV2 disease in a subject in need thereof. Pharmaceutical compositions comprising said recombinant Sclerotium rolfisii lectin are also described. The recombinant Sclerotium rolfisii lectin protein may comprise an amino acid sequence having at least 70% homology to SEQ ID NO:1.

21: 2024/04499. 22: 2024/06/10. 43: 2024/12/20
 51: H01F; H02K
 71: Hermsen, Franciscus Johannes
 72: Hermsen, Franciscus Johannes
 33: MY 31: PI2022000412 32: 2022-01-20
54: A MAGNETIC TOROID AND A MAGNETICALLY ACTUATED ROTARY COUPLING DEVICE COMPRISING THEREOF

00: -
 The present invention relates to a magnetic toroid (100) characterized by a Möbius-like toroid twisted by a degree, wherein the cross section of the Möbius-like toroid is a closed shape with at least four straight sides, wherein each side of the Möbius-like toroid is orthogonally magnetized to form the magnetic toroid (100), thereby creating a magnetic field having rotating polarity around the magnetic

toroid (100) when the magnetic toroid (100) is spinning on its axis. The present invention also relates to a magnetically actuated rotary coupling device (200) comprising a first magnetic toroid (101) and a second magnetic toroid (102) being disposed adjacent to the first magnetic toroid (101), wherein the first magnetic toroid (101) is rotatable on its own axis relative to motion of the second magnetic toroid (102) when portions of their respective magnetic fields interact with each other.

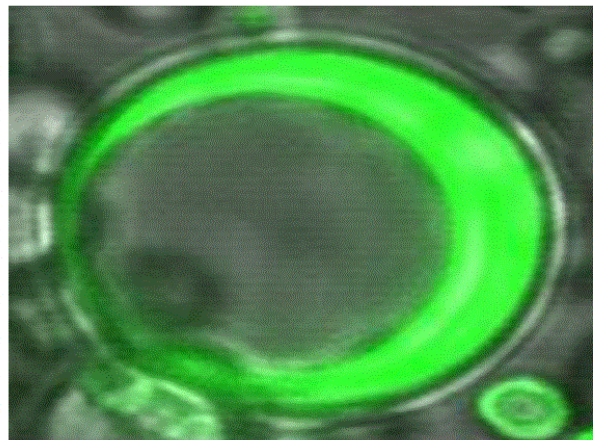
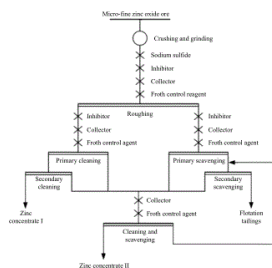
100



21: 2024/04508. 22: 2024/06/11. 43: 2024/12/23
 51: B03B
 71: Kunming University of Science and Technology
 72: FENG, Qicheng, ZHAO, Wenjuan, WEN, Shuming, ZHANG, Qian, LIAO, Runpeng, MIAO, Yongchao, SHEN, Zhihao
 33: CN 31: 202310987059.3 32: 2023-08-08
54: FROTH-CONTROLLED FLOTATION METHOD FOR MICRO-FINE ZINC OXIDE ORE

00: -
 The present invention relates to a froth-controlled flotation method for micro-fine zinc oxide ore, which belongs to the technical field of mineral processing. Aiming at the problems in a flotation process of the micro-fine zinc oxide ore, such as a deteriorated separation index of slime circulation, large froth quantity and poor fluidity, a stable froth layer and high viscosity, and a poor flotation effect, the present invention improves a froth flotation process and a recovery index of the micro-fine zinc oxide ore by innovating the flotation process and developing a new flotation reagent, that is, fine scavenging operation is used to treat middlings products

separately, without returning to roughing and cleaning operations, such that repeated circulation of slime in the roughing and cleaning operations is avoided, and zinc concentrate is directly produced.



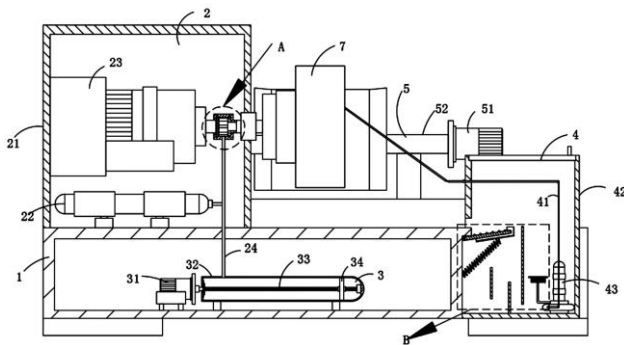
21: 2024/04509. 22: 2024/06/11. 43: 2024/12/23
 51: C22C
 71: Suria Eye Product Pvt Ltd
 72: Dr. Tamilvanan Shunmugaperumal, Dr. Syed Nazrin Ruhina Rahman, Mrs. Suriaprabha Marchen, Dr. U.S.N. Murthy
 33: IN 31: 202431013359 32: 2024-02-24
54: A NOVEL FORMULATION FOR DRY EYE AND PROCESS THEREOF

00: -
 Pharmaceutical companies and academic research laboratories are both very interested in projecting the colloidal dispersions containing two drugs. Oil-in-water emulsions can form nanocapsules that cleverly extend the release of drug from the capsules by conferring a polymer coat onto the dispersed oil droplets. This innovation clarifies how two compartments form in nanocapsules to hold etodolac and cyclosporin A apart. The pharmacokinetic and pharmacodynamic properties of these two medications are observed in albino rabbits with healthy and dry eye-induced eyes after they are released from nanocapsule eyedrops and came into contact with the ocular surface. In fact, the created double-drug-loaded nanocapsule eyedrops not only hold the two medications at a distance but also work in concert to reduce inflammation at the surface of the eyes.

21: 2024/04510. 22: 2024/06/11. 43: 2024/12/23
 51: B23C
 71: Tongling University, Anhui Pulimakang Intelligent Equipment Co., Ltd.
 72: FANG, Jun, WANG, Dongsheng, ZHANG, Chao, YANG, Youwen, LI, Zansong, JIANG, Xiaoqin
 33: CN 31: 2024106192009 32: 2024-05-18
54: INTELLIGENT ULTRASONIC VIBRATION-ASSISTED CNC TURNING DEVICE AND METHOD THEREOF

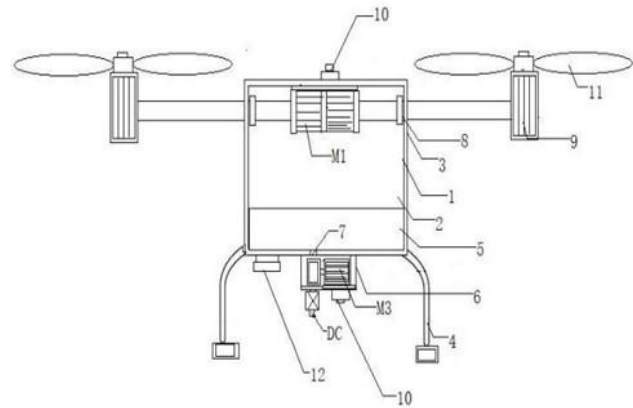
00: -
 The present invention provides an intelligent ultrasonic vibration-assisted CNC turning device and method thereof, comprising a workbench, wherein a fixture and a cooling mechanism are installed at both ends of the workbench respectively, with the cooling mechanism connected to the sidewall of a cutting mechanism; the cutting mechanism comprises a fixed box, the sidewall of which are symmetrically mounted with arc-shaped guard plates to prevent liquid splashing, a vibration mechanism and an ultrasonic generator are mounted inside the fixed box, and transducers are mounted in three directions inside the fixed box and perpendicular to each other; the sidewall of the supporting beam is provided with clamping plates in three directions and perpendicular to each other, and the clamping plates are connected to the second hydraulic rod; a clamping slot is provided inside the amplitude transformer, and a stop plate and the slide plate are slidably connected inside the clamping slot; the intelligent ultrasonic vibration-assisted CNC turning device and method thereof provided by the present invention have the advantages of automatically adjusting ultrasonic parameters depending on the turning

object and cutting difference to facilitate the cutting effect.



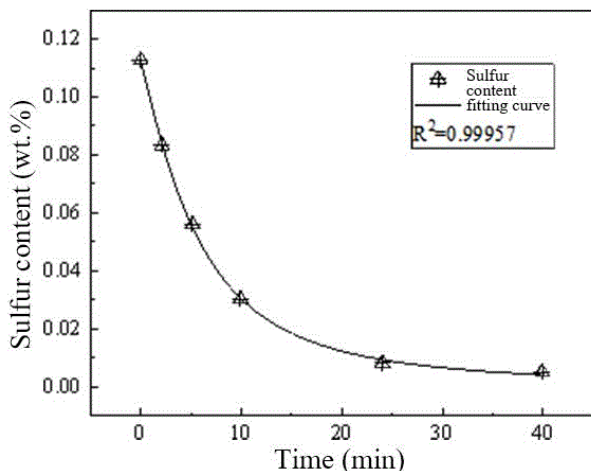
21: 2024/04511. 22: 2024/06/11. 43: 2024/12/23
 51: B64C; B64D
 71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
 72: DUAN, Zhizhuang, HUANG, Ruiyang, HUANG, Yuyun, ZHENG, Rui, LIN, Guchong
54: UNMANNED AERIAL VEHICLE DEVICE FOR NOVEL ROTARY-WING

00: -
 Disclosed is an unmanned aerial vehicle (UAV) device including a rotary-wing vehicle body, a solenoid valve, a water pump, motor decelerators and a housing. The housing includes buoyancy tank including the water pump, one end of the solenoid valve is mounted with a lower end of a water inlet pipe of the water pump as well as motor decelerators, rotary-wing motors are mounted at outer side ends of the power output shafts of the plurality of sets of the motor deceleration mechanisms; cameras and sonar detection equipment are connected to the UAV. After the UAV body enters a water surface, the UAV body controls the inlet water in the cabin, so that the UAV moves steadily above the water surface, as the UAV reaches warships for surface reconnaissance. After releasing the water in the cabin, the UAV can control its air flight, and the collected data is more diversified.



21: 2024/04512. 22: 2024/06/11. 43: 2024/12/23
 51: C22C
 71: Kunming University of Science and Technology
 72: Pengchao Li, Qi Jiang, Guifang Zhang, Peng Yan, Xiaoliang Wang, Xincheng Pang, Zhixiang Xiao, Li Zhang, Weidong Zhao, Yuandong Yan, Jincai Li
54: A METHOD FOR REMOVING IMPURITIES FROM THE CHROMIUM-BASED ALLOY
 00: -

The invention belongs to the technical field of impurity removal in metal alloys, in particular to a method for removing impurities from the chromium-based alloy. The specific steps of the method for removing impurities in chromium-based alloy are as follows: Step 1: Transport the finished solid chromium-base alloy through the sample rod to the middle position of the electromagnetic induction coil in the levitation chamber. After levitation, the chromium-base alloy needs to use a container under the alloy droplet, which can avoid dripping. The electromagnetic levitation refining equipment used in the invention can realize crucible-free melting of chromium-based alloy, and avoid the pollution of the crucible to the high temperature chromium-based alloy. Meanwhile, this method can remove carbon, sulfur and other impurities, then improve product performance. This invention has the advantages of simple principle, low cost, easy operation of the equipment, high efficiency of impurity removal, non-toxic and harmless process of impurity removal, green and pollution-free.



21: 2024/04513. 22: 2024/06/11. 43: 2024/12/23
51: G01N

71: Haikou Marine Geological Survey Center of China Geological Survey
72: YANG, Feng, YANG, Xiujiu, WANG, Baoli, TANG, Kai, LU, Yuwei, CHEN, Yan, ZHANG, Yuhang, QI, Xin

54: G-4 APTAMER-BASED QDS ELECTROLUMINESCENT SENSOR AS WELL AS PREPARATION METHOD AND APPLICATION IN Pb2+ DETECTION THEREOF

00: -
The present invention relates to a G-4 aptamer-based QDs electroluminescent sensor and an application in Pb²⁺ detection thereof. According to the present invention, magnetic Fe₃O₄/Au nanoparticles with a layer of hairpin aptamer probe modified on the surface are synthesized by taking MNPs as a carrier, a functional “hairpin” aptamer as a recognition element, and Pb²⁺ as target molecules; by adopting CdTe QDs as an electrochemiluminescence (ECL) marker, a new method for highly sensitive determination of Pb²⁺ based on a “Turn on” detection mode of changing the “hairpin” structure to “G-4” is established. The results of embodiments show that the sensor provided herein has a linear range of 5.0×10⁻¹¹-9.0×10⁻⁹ mol/L for Pb²⁺, and a limit of detection (LOD) as low as 1.05×10⁻¹² mol/L.

21: 2024/04514. 22: 2024/06/11. 43: 2024/12/23
51: C09D
71: Sinoma Science & Technology(chengdu)Co., Ltd
72: LI Ming, HU Lei, GUO Yongzhi, LIU Bo, QI Na
33: CN 31: 2024103418287 32: 2024-03-25

54: FIRE-RESISTANT AND HEAT-INSULATING COATING, PREPARATION METHOD AND HIGH-PRESSURE GAS CYLINDER CONTAINING THE SAME

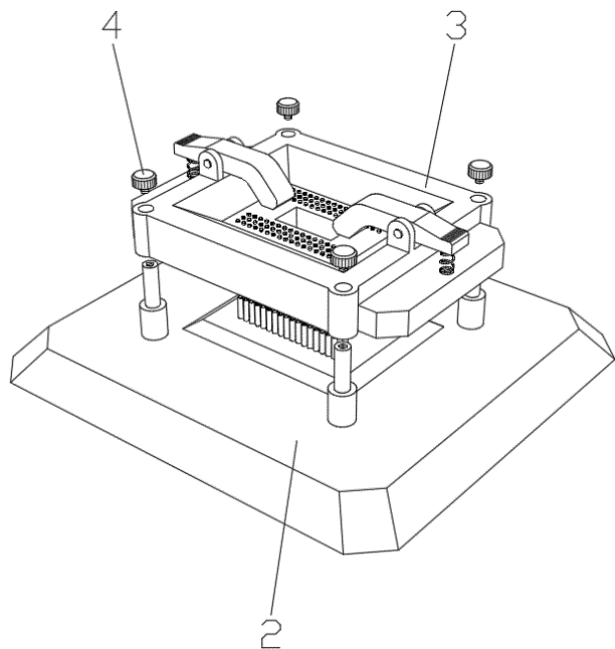
00: -
The present invention provides a fire-resistant and heat-insulating coating, it includes parts by weight: 5-10 parts of hollow glass microspheres, 40-60 parts of modified polyamide resin, 1-5 parts of film-forming aid, 15-30 parts of titanate coupling agent, and 30-50 parts of water; the hollow glass microspheres are pretreated with titanate coupling agent on the surface; the modified polyamide resin is a polyamide resin modified with terminal hydroxyl polydimethylsiloxane; its preparation method is: mixing film-forming aid and water, adding titanate coupling agent and binder, subjecting to high-speed dispersion, then adding surface-treated hollow glass microspheres and mixing evenly to obtain it; a fire-resistant and heat-insulating high-pressure gas cylinder, comprises an inner liner and a winding layer sequentially disposed on the outer surface of the inner liner from the inside to the outside, a layer of the fire-resistant and heat-insulating coating and a fire-resistant layer; the fire-resistant and heat-insulating coating of the present invention can reduce the heat transfer efficiency of the gas cylinder, has better fire-resistant and heat-insulating effects, and can show better mechanical properties.

21: 2024/04515. 22: 2024/06/11. 43: 2024/12/23
51: G01R
71: Zaozhuang Vocational College
72: Guan Jing, Yan Jinrong, Zhao Xu, Xin Qingchun, Zhang Xi

54: APPARATUS FOR TESTING COMPUTER CHIP PACKAGING AND USE METHOD THEREFOR

00: -
The present invention provides an apparatus for testing computer chip packaging and a use method therefor, the apparatus including a test device cabinet. A test seat assembly is fixedly connected to an upper part of the test device cabinet, and a test connection assembly is arranged at an upper part of the test seat assembly. In the present invention, guide through holes connected to four ends of a connection card frame are sleeved at guide insertion rods until lower parts of a plurality of groups of movable connection pins are inserted into pin jacks,

the test connection assembly is mounted in limit position by screwing limit locking bolts into the guide insertion rods; and anti-slip grooves inside clamping jaw assemblies are pressed by two fingers to turn clamping jaw bodies to compress clamping jaw elastic parts, after the computer chip to be tested is aligned with the movable connection pins at the appropriate position according to the requirements, the clamping jaw assemblies are released, the clamping jaw elastic parts are extended to press the clamping jaw bodies above the chip, and the computer chip to be tested can be quickly mounted in the test connection assembly and can be flexibly quickly mounted and disassembled for the chips with different specifications, sizes and models.



21: 2024/04516. 22: 2024/06/11. 43: 2025/01/02
51: A01M

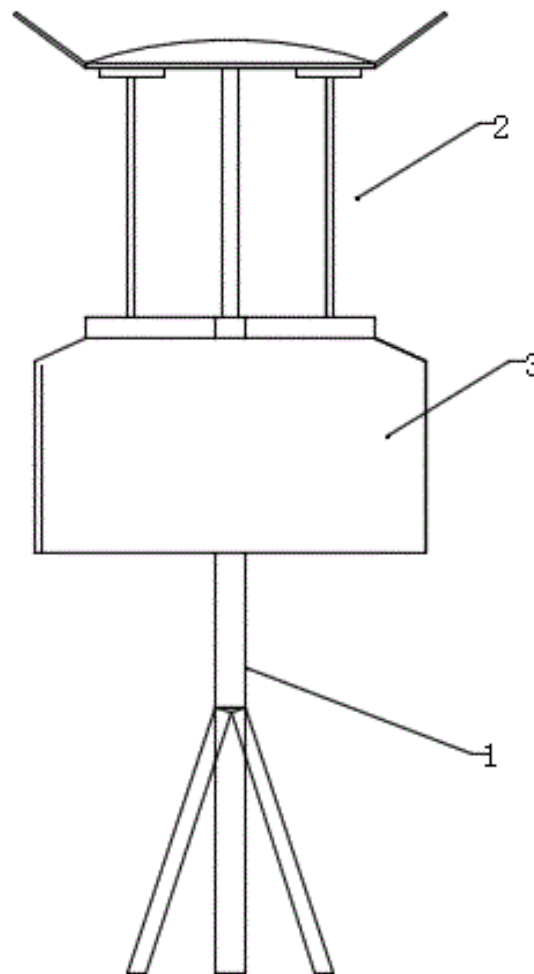
71: Xinyang City Academy of Agricultural Sciences
72: Lei Haixia, He Shijie, Li Huilong, Fang Ling, Zhou Lili, Miao Shuangzhen, Yang Guang, Li Shanshan, Yu Yanfang, Ran Zhongwei, Hu Yang, Zhao Haiying, Zhu Junde, Wang Xiaoxiao
33: CN 31: 2023115462977 32: 2023-11-20

54: DEVICE AND METHOD FOR CATCHING AND KILLING CNAPHALOCROCIS MEDINALIS

00: -

The present invention provides a device and method for catching and killing *Cnaphalocrocis medinalis*, falling within the technical field of agricultural management, including a fixing support, a catching

and killing assembly, and a killing assembly. The catching and killing assembly is fixedly arranged at the fixing support, and the killing assembly is fixedly arranged at the fixing support and located at a bottom of the catching and killing assembly. *Cnaphalocrocis medinalis* are attracted by the catching and killing assembly to be caught and killed, dead bodies of the *Cnaphalocrocis medinalis* fall into cleaning assemblies for a high-temperature sterilization and inactivation treatment, thereby avoiding secondary pollution of rice by the *Cnaphalocrocis medinalis* carrying unhatched eggs and being completely killed, and avoiding the spread of viruses and bacteria.



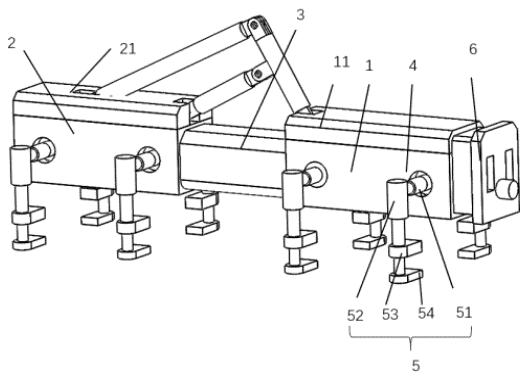
21: 2024/04517. 22: 2024/06/11. 43: 2025/01/02
51: B62D

71: State Grid Anhui Electric Power Company Limited

72: Zhang Jinfeng, Liu Zhixiang, Wang Hongchun, Luo Yihua, Jin Xingfu, Wang Peng, Yao Lanbo, Zhang Yongnai, Chen Jianhua, Xi Zhaocai, Yang Shaochun, Yu Gang

54: AN AUTOMATIC CLIMBING ROBOT FOR UNMANNED DOCKING OF A SINGLE-COLUMN STEEL PIPE RODS

00: -
The present invention discloses an automatic climbing robot for unmanned docking of a single-column steel pipe rods. The said upper module is connected to the lower module by a telescopic structure. One end of the said telescopic structure is connected to the motor in the inner cavity of the upper module. The outer sides of the upper module and the lower module are symmetrically and equidistantly provided with a plurality of through holes, and the outer side of each said through holes is movably connected to a clamping unit. The clamping unit respectively located on the outer side of said upper module and lower module have the same movement and synchronization. The present application has the function of up and down telescoping, left and right expansion and flexible clamping, effectively solves the problem of insufficient protective measures for working at height and safety hazards during the installation of the steel pipe tower, realizing the robot autonomously up and down the steel pipe tower, thereby realizing the unmanned installation process of the single-column steel pipe tower and effectively avoids the risk of installers in the high-altitude operation.



21: 2024/04520. 22: 2024/06/11. 43: 2024/12/23
51: A23K
71: NORTHEAST AGRICULTURAL UNIVERSITY
72: LI, Fenglan, KONG, Xiangfeng, FENG, Yanzhong, HE, Fumeng, WANG, Yongqi, WANG, Xue, LIU, Dan, FENG, Xu, WANG, Yingnan

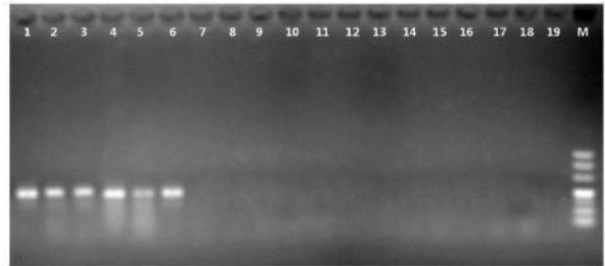
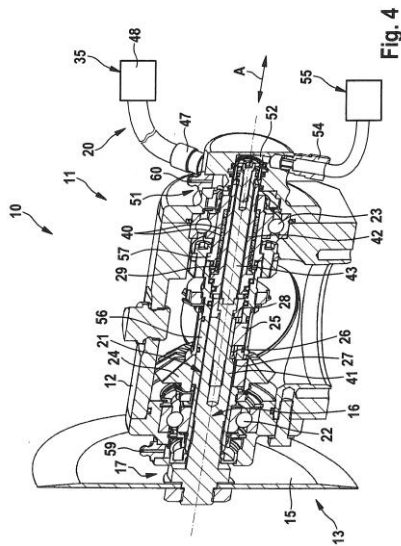
54: STEVIA REBAUDIANA RESIDUE FERMENTED FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF LIVESTOCK AND POULTRY AND PREPARATION METHOD THEREOF

00: -
Disclosed is a preparation method and application of a Stevia rebaudiana residue fermented feed additive for improving production performance of livestock and poultry. The main components are Stevia rebaudiana residues, a bacterial agent 3 (EM (effective microorganisms): Phanerochaete chrysosporium Burdsall = (1:1:1)), fermented brown sugar, which are as follows by weight ratio: 100 parts of Stevia rebaudiana residues, 2.7 parts of fermented brown sugar, 3 parts of bacterial agent and 75 parts of water. The method comprises: (1) selection of fermentation bacterial agents; (2) selection of effect factors of fermentation process; and (3) response surface optimization. The Stevia rebaudiana residue fermented feed additive is added to the animal diet, which not only can enhance the immunity of livestock and poultry and improve the antioxidant activity of the body, but also can regulate the intestinal flora, maintain intestinal health, improve the growth performance, reducing breeding cost.

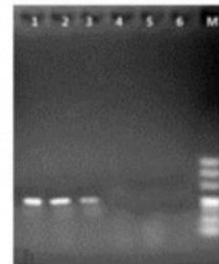
21: 2024/04521. 22: 2024/06/11. 43: 2025/01/14
51: A22C
71: NORDISCHER MASCHINENBAU RUD. BAADER GMBH + CO. KG
72: TYCHSEN, Werner
33: WO 31: PCT/EP2021/081620 32: 2021-11-15
54: KNIFE MACHINE, AND APPARATUS AND METHOD FOR PROCESSING ANIMAL PRODUCTS

00: -
The invention relates to a knife machine (10), in particular designed and configured to carry out a filleting cut on a slaughtered and gutted fish (10), said knife machine comprising: at least one cutting head (11) which has at least one housing (12) having a knife unit (13); and a drive unit (14) designed and configured to rotatably drive a knife shaft (16) which has a cutting knife (15) and is rotatably mounted inside the housing (12), wherein the cutting knife (15) is mounted at a free end (17) of the knife shaft (16) for conjoint rotation therewith. The knife machine is characterised in that the knife

shaft (16) is axially movable relative to the housing (12) and is designed so that, for the purpose of axially moving the knife shaft (16), it can be decoupled from the drive unit (14) in such a way that the knife shaft (16) can be rotationally moved independently of the axial movement of the knife shaft (16). The invention also relates to an apparatus (62) and to a method for processing, in particular filleting, animal products.



a



b

21: 2024/04540. 22: 2024/06/12. 43: 2024/12/23
 51: C12Q
 71: CAIQ Centre for Biosafety, Sanya
 72: SONG Yun, ZHAO Wenjun, ZHANG Yongjiang,
 LV Jizhou, ZHANG Mingzhe, XU Jin, CHEN Hao, LI
 Mingfu

**54: REAL-TIME FLUORESCENCE-SPECIFIC
 TAQMAN PRIMER PROBES AND METHOD FOR
 IDENTIFYING PHYTOLACCA AMERICANA**

00: -
 The invention discloses real-time fluorescence-specific taqman primer probes and a method for identifying *Phytolacca americana*. A primer and probe for detecting *Phytolacca americana* species includes an upstream primer as shown in SEQ ID NO:1, a downstream primer as shown in SEQ ID NO:2 and a probe as shown in SEQ ID NO:3. The identification technology established by the invention provides an effective means for realizing rapid screening and identification at ports, and provides technical support for quickly determining the types of poisons, making rescue plans and handling food poisoning incidents.

21: 2024/04541. 22: 2024/06/12. 43: 2024/12/23
 51: H01M

71: CHONGQING COLLEGE OF ELECTRONIC
 ENGINEERING

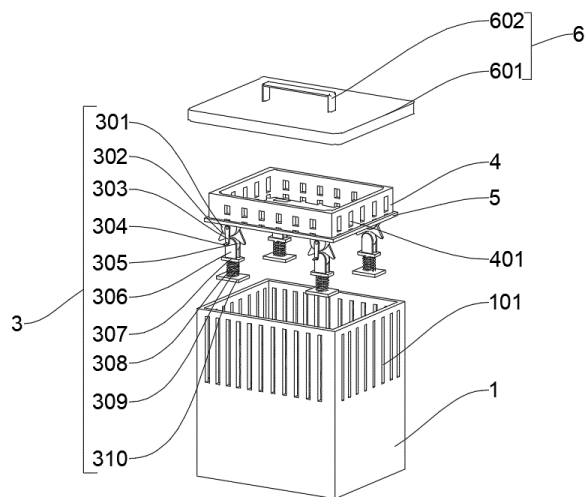
72: WANG Yiyang

**54: BATTERY PROTECTION DEVICE FOR NEW
 ENERGY VEHICLES**

00: -

The invention discloses a battery protection device for new energy vehicles, belonging to the technical field of battery protection, which comprises a protective shell, wherein a ventilation top cover is placed on the top surface of the protective shell, a supporting plate adapted to the protective shell is slidably connected inside the protective shell, a storage battery is placed on the top surface of the supporting plate, a damping structure is arranged at the corner of the bottom surface of the supporting plate, and the bottom end of the damping structure is fixedly connected with the inner bottom surface of the protective shell; the damping structure comprises a connecting block fixedly connected with the bottom surface of the supporting plate, and one side of the connecting block is provided with a limiting structure; the bottom surface of the connecting block is fixedly connected with an arc-shaped plate, and the bottom surface of the arc-shaped plate is drivingly connected with an elastic reset structure. Through the cooperation of the supporting plate and the damping structure, the invention can effectively

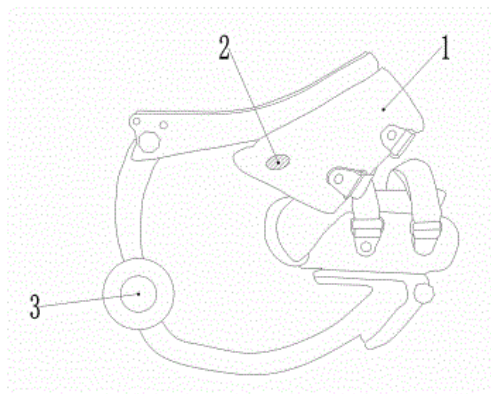
alleviate the violent vibration of the storage battery during the traveling of the automobile, and effectively protect the storage battery.



21: 2024/04542. 22: 2024/06/12. 43: 2024/12/23
 51: A61B
 71: ZHONGNAN HOSPITAL OF WUHAN UNIVERSITY
 72: SUN, Xuejiao, LI, Mingxing

54: ELBOW JOINT FIXING BRACE HAVING THERMOTHERAPY FUNCTION

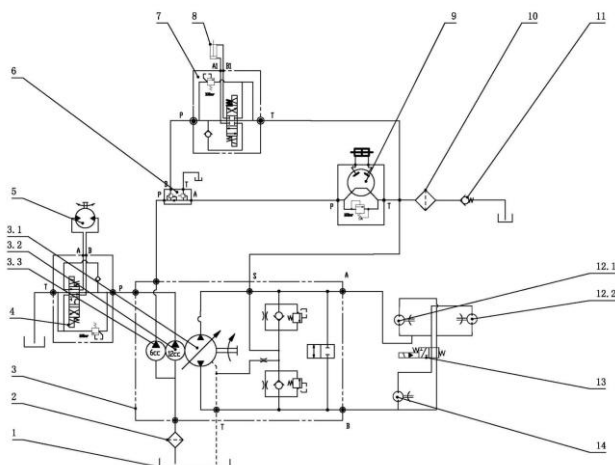
00: -
 The present invention provides an elbow joint fixing brace having a thermotherapy function, and relates to the technical field of medical devices. The elbow joint fixing brace includes a brace main body and a heating layer. The brace main body is to be mounted on a forearm and an upper arm, and a part of the brace main body which is to be in contact with the forearm and the upper arm is lined with the heating layer. According to the elbow joint fixing brace having the thermotherapy function provided in the present invention, hot compress can be performed during the use of the elbow joint fixing brace, and the rehabilitation efficiency is improved.



21: 2024/04543. 22: 2024/06/12. 43: 2024/12/23
 51: B65G; F16H
 71: SHANDONG ACADEMY OF AGRICULTURAL MACHINERY SCIENCES
 72: REN, Dongmei, QIN, Fang, LIANG, Weihong, SUN, Zhimin, ZHONG, Bo, LUO, Shuai, ZHANG, Cuiying, LI, Qingjiang

54: HYDRAULIC CONTROL SYSTEM FOR SELF-PROPELLED ALL-DAY GRAIN SPREADER

00: -
 The present application relates to the field of livestock breeding equipment, and in particular, to a hydraulic control system for a self-propelled all-day grain spreader, comprising a series connection pump set, wherein the series connection pump set is driven by an engine to provide working power to an auger motor, a feed-door oil cylinder, a hydraulic power steering gear, and three travel motors; a variable displacement gear pump, a constant displacement gear pump A, and a constant displacement gear pump B are provided in the series connection pump set; the variable displacement gear pump of the series connection pump set outputs to the three travel motors, with a solenoid reversing valve provided between the three travel motors; an auger solenoid control valve is provided between the constant displacement gear pump A of the series connection pump set and the auger motor; a one-way flow stabilizing valve is provided between the constant displacement gear pump B of the series connection pump set and the feed-door oil cylinder and between the constant displacement gear pump B and the hydraulic power steering gear, and the feed-door oil cylinder and the hydraulic power steering gear are connected in parallel to each other. With this control system, the spreader steers flexibly and can realize functions of feed transferring, mixing, and spreading.



21: 2024/04544. 22: 2024/06/12. 43: 2024/12/23
51: C08L

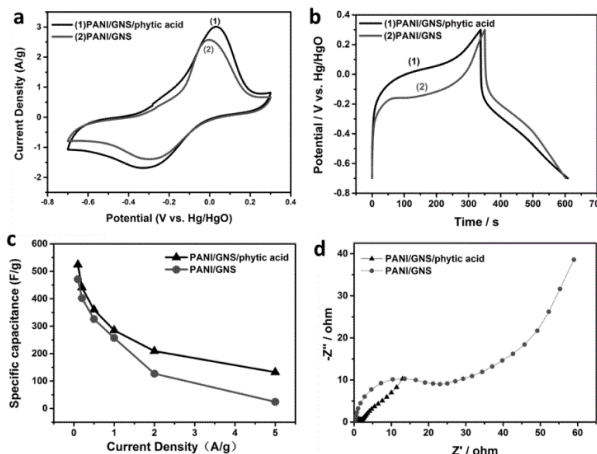
71: Yazhou Bay Innovation Institute of Hainan Tropical Ocean University, Hainan Tropical Ocean University

72: WAN Wubo, LI Yu, CHEN Qingrong, WU Xiangen, YANG Bo, HOU Xun, CHEN Lifei

54: POLYANILINE-GRAPHENE COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF

00: -
The invention belongs to the technical field of battery materials, and relates to a polyaniline-graphene composite material and a preparation method thereof. In the invention, aniline monomer hydrochloric acid solution is prepared by adding aniline monomer into hydrochloric acid; adding phytic acid into aniline monomer hydrochloric acid solution, and uniformly mixing to obtain mixed solution; dropwise adding the mixed solution into the graphene aqueous solution, adding sodium hexametaphosphate and sodium dodecyl sulfate after the dropwise addition, and sequentially performing ultrasonic treatment and stirring treatment to obtain a precursor solution; dropping ammonium persulfate hydrochloric acid solution into the precursor solution, stirring and reacting under the condition of ice water bath, filtering, washing and drying to prepare polyaniline-graphene composite material. In the invention, phytic acid is added as a cross-linking agent in the material preparation process, so that the specific capacitance and rate performance of the obtained composite material are significantly better than those of the prior art without phytic acid, and the charge transfer resistance of the

composite material after phytic acid is added is much smaller.



21: 2024/04545. 22: 2024/06/12. 43: 2024/12/23
51: G06K

71: Southwest university

72: Dong Tao, Chou Junyi, Hu Wenjie

33: CN 31: 202410579675X 32: 2024-05-11

54: A IRIS RECOGNITION METHOD BASED ON CONVOLUTIONAL NEURAL NETWORKS

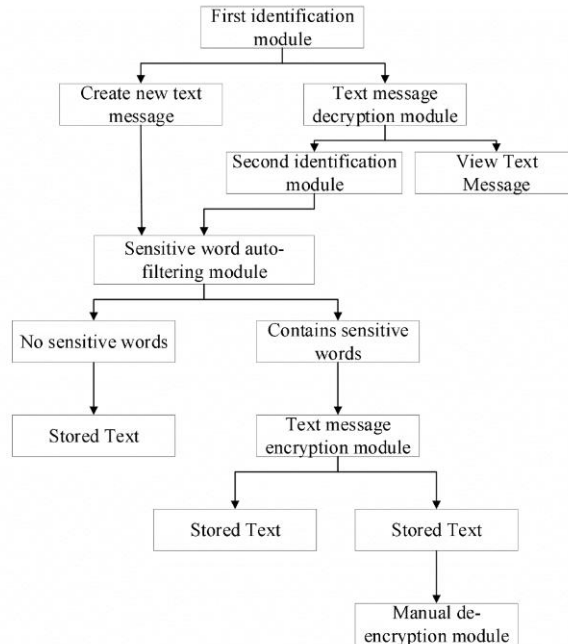
00: -
The present invention relates to the field of iris recognition technology, particularly to an iris recognition method based on convolutional neural networks. It includes the following steps: S1, acquiring iris images and normalizing and grayscale processing them to obtain grayscale images; S2, feature determination module dividing the grayscale image into several regions, where the convolutional neural network extracts feature images from any region, and the feature determination module determines whether to use the feature image as recognition feature; S3, the feature determination module determines the proportion of recognition features and determines the level of recognition features at the second proportion level; S4, the judgment module calculates the feature value score of any region according to the level of recognition features and classifies the region into three types of feature regions: high feature region, medium feature region, and low feature region; S5, the recognition module determines the iris recognition method based on the proportion of the three types of feature regions. This invention improves the efficiency of iris recognition.

21: 2024/04546. 22: 2024/06/12. 43: 2024/12/23
51: G09C

71: Southwest university
72: Dong Tao, Chou Junyi, Hu Wenjie
33: CN 31: 2024105794608 32: 2024-05-11

54: A TEXT ENCRYPTION SYSTEM

00: -
The invention discloses a text encryption system, primarily consisting of a first identity verification module, a second identity verification module, a text information decryption module, a sensitive word auto-filtering module, a text information encryption module, and a manual decryption module. The system utilizes the first identity verification module to perform initial encryption on encrypted text. Additionally, the system incorporates a sensitive word library. Upon entering new text information into the system, the system automatically filters sensitive words from the text and decides whether to encrypt the text based on the filtering results. When modifying existing text, the second identity verification module is activated, and the modified text is automatically filtered for sensitive words to determine whether to re-encrypt the modified text. This encryption system enhances the security of text, preventing the leakage of text information from the user's computer and the associated security issues.

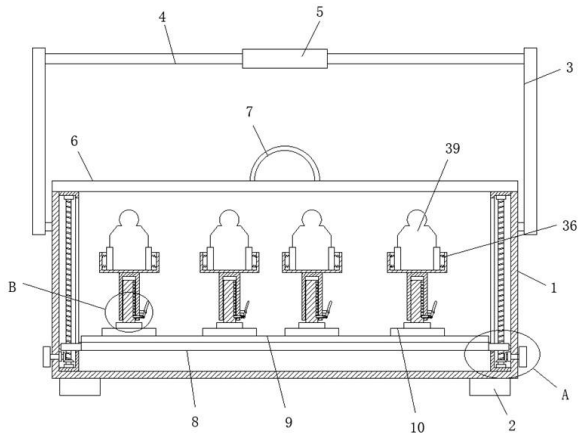


21: 2024/04549. 22: 2024/06/12. 43: 2024/12/23
51: A61B; G09B

71: LI, Yingbing
72: LI, Yingbing

54: DEMONSTRATION MODEL FOR PSYCHOLOGICAL BALANCE OF TRADITIONAL CHINESE MEDICINE

00: -
The present invention provides a demonstration model for a psychological balance of medicine including a model box and two height-adjustor. An interior of the model box is placed with a model for displaying the model, a bottom of the model box is arranged with footrests, a top of the model box is rotatably mounted with a box cover via hinges, a top of the box cover is arranged with a handle, and a lifting handle is arranged on the model box; the two height-adjustors are symmetrically arranged on inner walls of two sides of the model box, the two height-adjustors are mounted with the same support plate, and a top of the support plate is arranged with a metal plate for supporting the model. The invention is convenient for adjusting the overall or individual height of the model. The model can easily be fixed, replaced, disassembled, adjusted and stored.



21: 2024/04550. 22: 2024/06/12. 43: 2024/12/23
51: F03B

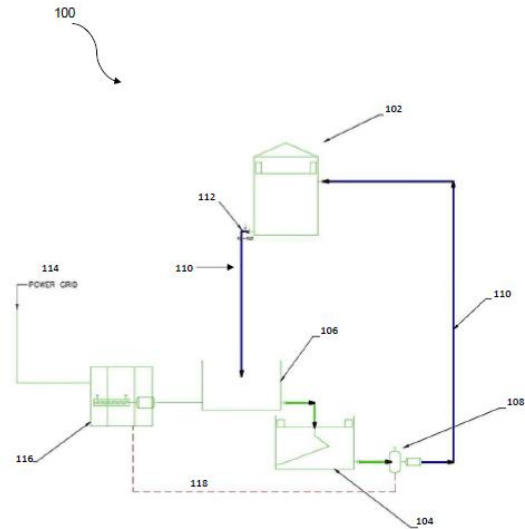
71: Mutendwahothe Ramafamba

72: Mutendwahothe Ramafamba

54: A DECENTRALISED ENERGY SYSTEM FOR GENERATING ELECTRICITY

00: -

The purpose of this invention is to provide an improved decentralised energy system for generating electricity. The system includes two receptacles, where the first receptacle is positioned at a higher elevation to the lower receptacle. The system also includes a hydropower device which is in the form of a hydro-turbine, a pump and a generator. The entire system is a closed loop system and connected by two conduits which may contain a valve. Lastly, the system may be connected to a power grid and is a closed loop system.



21: 2024/04561. 22: 2024/06/12. 43: 2024/12/23
51: A01K; A23K; C12N

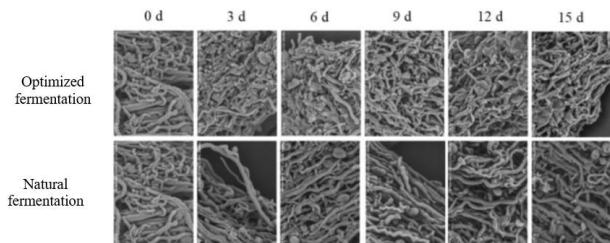
71: NORTHEAST AGRICULTURAL UNIVERSITY

72: LI, Fenglan, FENG, Yanzhong, KONG, Xiangfeng, HE, Fumeng, YU, Li, WANG, Xue

54: FERMENTED FEED ADDITIVE OF GANODERMA LUCIDUM FRUITING BODY FOR IMPROVING PRODUCTION PERFORMANCE OF LAYING HENS AND APPLICATION THEREOF

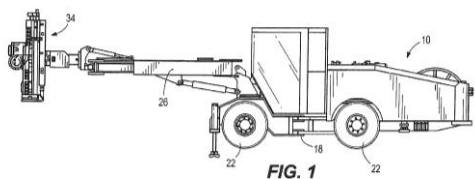
00: -

The present invention discloses a preparation method and application of a fermented feed additive of a Ganoderma lucidum fruiting body for improving the production performance of laying hens. The main components of the present invention are a Ganoderma lucidum fruiting body, a bacterial agent 1, fermented brown sugar, soybean meal and distilled water. The Ganoderma lucidum fruiting body, the bacterial agent 1 (EM (effective microorganisms): Phanerochaete chrysosporium Z10210: Phanerochaete chrysosporium Burdsall 154637= (1:1:1)), fermented brown sugar, soybean meal and distilled are as follows by weight ratio: 100 parts Ganoderma lucidum fruiting body, 3 parts bacterial agent 1, 5.2 parts of fermented brown sugar, 8.2 parts soybean meal and 295 parts water. The preparation method comprises: (1) selection of a wall-breaking compound bacterial agent of the Ganoderma lucidum fruiting body; (2) optimization of a wall-breaking fermentation process of the Ganoderma lucidum fruiting body; and (3) response surface optimization.



21: 2024/04569. 22: 2024/06/12. 43: 2024/12/23
 51: E21B; E21D
 71: JOY GLOBAL UNDERGROUND MINING LLC
 72: KOEKEMOER, Renier, BARTER, Justin
 33: US 31: 63/283,909 32: 2021-11-29
54: DRILLING AND BOLTING TOOL

00: -
 A drilling and bolting tool includes a drill feed for driving a bit to form a hole in a rock surface, a cable feed system, and a resin system. The drill feed includes a frame and a drill head supported on the frame. The cable feed system is coupled to the drill feed, and the cable feed system includes a cable drive for driving a cable into the hole. The resin system includes a hose in fluid communication with a resin supply. The resin system further including a hose drive system for selectively extending the hose into the hole and retracting the hose from the hole.



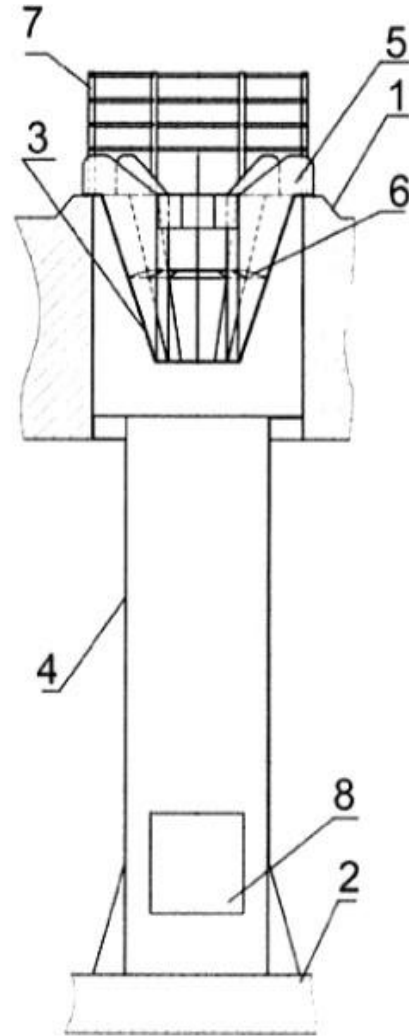
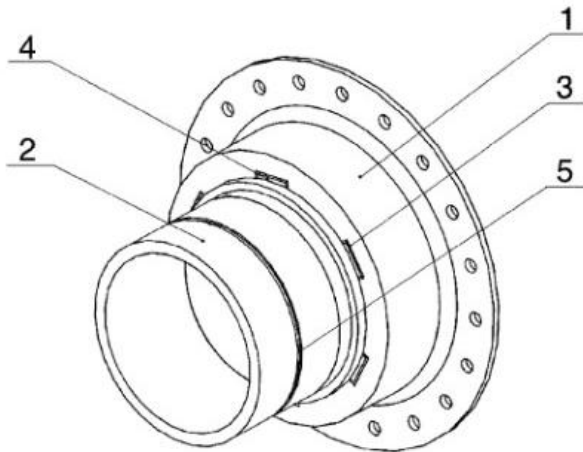
21: 2024/04571. 22: 2024/06/12. 43: 2024/12/23
 51: C07K; C12N
 71: NORTHEAST PHARMACEUTICAL GROUP CO., LTD
 72: LU, Mason, MA, Qinhong
 33: US 31: 17/542,948 32: 2021-12-06
54: ANTI-TFR1 ANTIBODY MAB11-22.1 CONJUGATES FOR CANCER TREATMENT

00: -
 The present invention provides a therapeutic agent for the treatment, prevention and diagnosis of cancers associated with cells that overexpressing transferrin receptor 1 (TfR1) and its variants on the cell surface, including but not limited to AML, ALL, lymphoma, multiple myeloma, breast cancer, gastric cancer, glioblastoma, prostate cancer, urothelial

bladder cancer, pancreatic cancer, esophageal cancer, colorectal cancer, ovarian cancer, liver cancer. The agent is based on the amino acid sequences of the novel light chain and heavy chain variable regions of an anti-TfR1 monoclonal antibody (mAb), MAb11-22.1, which, is highly specific for tumor cells and in an ADC form, can functionally inhibit the proliferation of several human cancer cell lines and the growth of AML cell line-derived xenograft tumors in mouse models.

21: 2024/04578. 22: 2024/06/12. 43: 2024/12/23
 51: F16L; G21C
 71: JOINT-STOCK COMPANY "ATOMENERGOPROEKT", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
 72: MITICHKIN, Aleksandr Grigoryevich, TISHCHENKO, Aleksandr Yuryevich, VERNER, Aleksandr Alekseyevich, VALAKH, Roman Andreyevich, MAGOLA, Igor Anatolyevich, KURIKOV, Nikolay Nikolayevich
 33: RU 31: 2021139685 32: 2021-12-29
54: LIMIT STOP

00: -
 A limit stop relates to devices for limiting the effect of severe accident consequences on process equipment connected by pipelines passing through walls. The stop may be used, in particular, in the nuclear industry. The limit stop installed in a protective wall. The stop is made in the form of an anchor with horizontal grooves and an insert into the pipeline with horizontal teeth. The anchor is mounted on a protective wall. The insert is installed on the pipeline from the outer side of the protective wall. The anchor and insert are made with the possibility of locking the teeth in the grooves during torsion. The insert is provided with a postulated break site. The stop makes it possible to increase the safety of operation of high-pressure pipelines.



21: 2024/04581. 22: 2024/06/12. 43: 2024/12/23
51: B01D

71: JOINT-STOCK COMPANY
"ATOMENERGOPROEKT", SCIENCE AND
INNOVATIONS - NUCLEAR INDUSTRY
SCIENTIFIC DEVELOPMENT, PRIVATE
ENTERPRISE

72: MATYUSHEV, Leonid Aleksandrovich,
MITRYUKHIN, Andrey Gennadievich, SHAMRAY,
Yevgeniya Leonidovna, KOROBENIKOV, Kirill
Yuryevich

33: RU 31: 2021139683 32: 2021-12-29

**54: TANK FOR GARBAGE FILTRATION AND
COLLECTION**

00: -

A tank for garbage filtration and collection relates to devices for the filtration of a large liquid flow containing a large volume of garbage; it can be used, in particular, in nuclear power industry, specifically in pit tanks of nuclear power plants (NPP), intended for the filtration of large volumes of coolant in case of an accident. The tank for garbage filtration and collection comprises an inlet made in a tank cover, and an outlet, on which a filtering device is installed, a vertical shaft is installed in the inlet, installed on the bottom of the tank, a window is made in the lower part of the vertical shaft for liquid removal, directed to a side opposite to the filtering device, and the upper part of the vertical shaft is made in the form of a funnel. The tank for garbage filtration and collection can be used to filter a large fluid flow containing a large volume of garbages, particularly in nuclear power plant safety systems.

21: 2024/04587. 22: 2024/06/13. 43: 2024/12/23
51: G01N

71: Hainan Tropical Ocean University, Hainan Aerial
Science and Technology Co, Ltd., Tsinghua
University, Ocean University of China Sanya
Oceanographic Institution

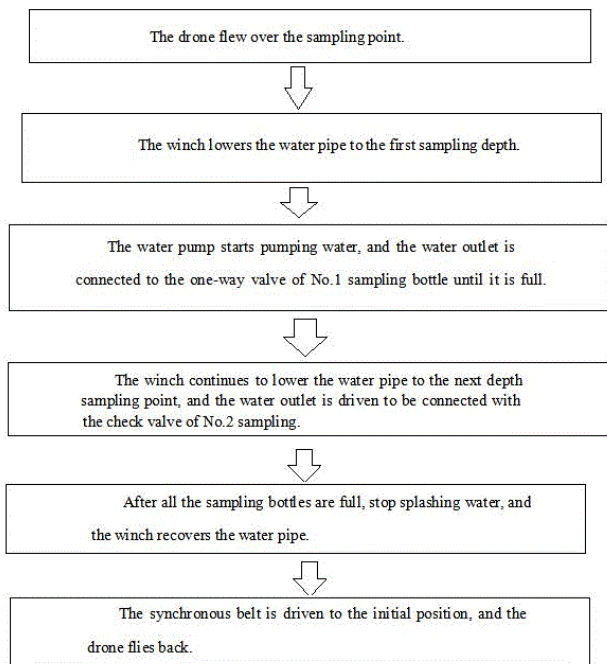
72: CHEN Hao, ZHAO Kaifeng, REN Yong, DU Jun,
XIE Wei, HUANG Hai, LI Bin, NIE Yaolong, ZHAO
Peihang, WEI Haoming

**54: UNMANNED AERIAL VEHICLE-MOUNTED
WATER QUALITY SAMPLING METHOD**

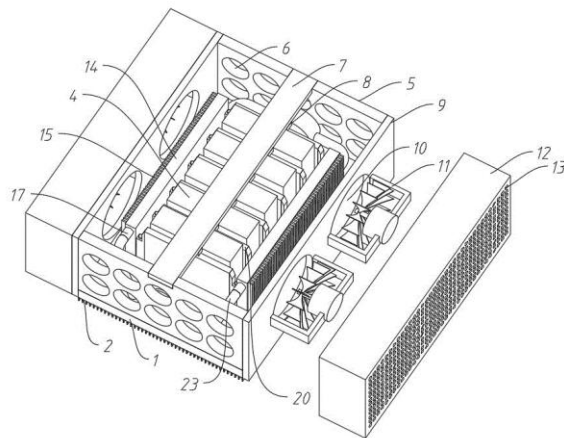
00: -

The invention discloses an unmanned aerial vehicle water quality sampling method, which relates to the field of water quality sampling and comprises the following steps: an unmanned aerial vehicle flies over a sampling point; the winch lowers the water pipe and submersible pump to the first sampling depth, the water outlet moves above the first

sampling bottle and is connected with the one-way valve, and the submersible pump starts pumping water until the sampling bottle is full; the winch continues to lower the water pipe to the sampling point at the lower depth for sampling; Recover water pipes and submersible pumps through winches; the synchronous belt drives the water outlet to move to the initial position, and the drone flies back; water samples with different depths can be collected and stored in different sampling bottles, and the materials of the sampling bottles are selected according to different sampling requirements, so that the sampling depth is accurate and automatic sampling can be performed, and the depth gradient and the sampling volume at each depth can be set in advance, so that the water samples at each depth can be automatically stored separately to prevent the samples from being contaminated with each other, thus effectively ensuring the accuracy of water quality detection.



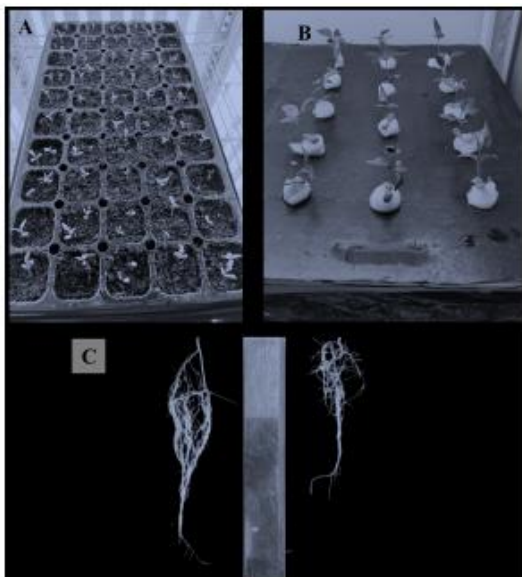
The invention belongs to the technical field of battery heat dissipating devices, in particular to a heat dissipating device for battery management of new energy vehicles, which comprises a main cooling plate, wherein the top end of the main cooling plate is provided with a plurality of grooves for fixing battery cells at equal intervals; the bottom end of the main cooling plate is fixedly connected with a plurality of first fins; a liquid cooling module for radiating and cooling the battery cells is arranged on the main cooling plate; temperature equalizing plates are arranged on both sides of the battery cells; a third flow channel is arranged in the temperature equalizing plate; and the main cooling plate is internally provided with a first flow channel, and the third flow channel and the first flow channel are all communicated with the liquid cooling module, and the liquid cooling module is provided with an air cooling component for cooling the liquid cooling module. According to the invention, the bottom of a plurality of battery cells, the periphery of a battery module and between two battery cells can be cooled, so that the heat dissipation efficiency is improved, and the working stability and service life of the battery are improved.



21: 2024/04588. 22: 2024/06/13. 43: 2024/12/23
 51: H01M
 71: CHONGQING COLLEGE OF ELECTRONIC ENGINEERING
 72: WANG Yiyang
54: HEAT DISSIPATING DEVICE FOR BATTERY MANAGEMENT OF NEW ENERGY VEHICLES
 00: -

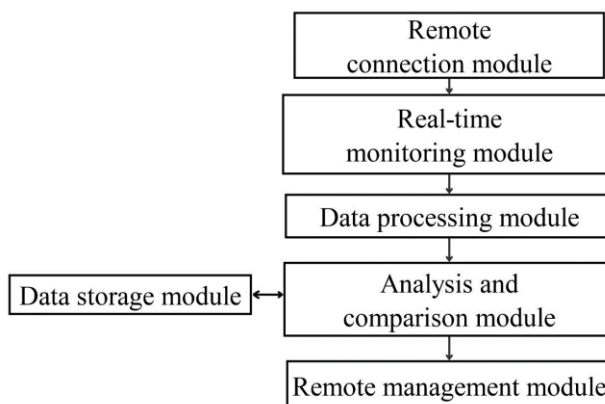
21: 2024/04590. 22: 2024/06/13. 43: 2024/12/23
 51: A01G
 71: Shandong Institute of Pomology, Shandong Agricultural University
 72: DONG Xiaochang, LI Xinyu, WEI Shuwei, WANG Jinghua, ZHANG Chunmei, JIAO Huijun, WANG Hongwei, RAN Kun, DONG Ran, GUAN Qiuzhu
54: RAPID SEEDLING RAISING METHOD FOR PYRUS BETULAEFOLIA BUNGE

00: -
 The invention discloses a rapid seedling raising method for *Pyrus betulaefolia* Bunge, belonging to the technical field of plant physiology and cultivation. The rapid seedling raising method for *Pyrus betulaefolia* Bunge includes the following steps: preparing *Pyrus betulaefolia* Bunge seeds, softening the seed coat of the *Pyrus betulaefolia* Bunge seeds, and then peeling off the inner and outer seed coats of the *Pyrus betulaefolia* Bunge seeds to obtain seed kernels; soaking the gauze with water until it does not drip, then placing the seed kernel above it, and culturing to obtain germinated seeds, then transplanting the germinated seeds into a seedling tray, and continuing to culture under the above conditions until the seedlings of *Pyrus betulaefolia* Bunge grow four true leaves to obtain seedlings to be treated; the seedlings to be treated are planted in a hydroponic box containing nutrient solution, the roots are treated in the dark, and then hydroponic treatment is carried out for 21 days to obtain germinated *Pyrus betulaefolia* Bunge seedlings. The invention provides a method of peeling seed coat to break dormancy and hydroponics with nutrient solution to raise seedlings, which solves the problem that the seeds of *Pyrus betulaefolia* Bunge can germinate only after long-term low-temperature stratification in production, and the method is simple, fast and easy to popularize in production.



21: 2024/04591. 22: 2024/06/13. 43: 2024/12/23

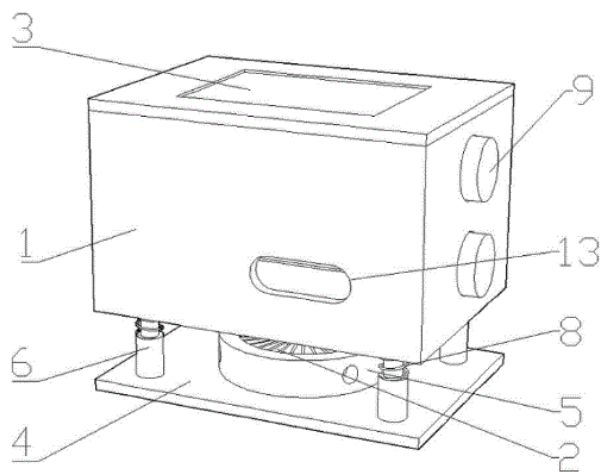
51: B25J
 71: Guangzhou Civil Aviation College
 72: BAI Jiankun, HE Yanbin
54: REMOTE INTERCONNECTION SYSTEM OF SOLID HYDROGEN ENERGY ROBOT
 00: -
 The invention discloses a remote interconnection system of solid hydrogen energy robot, belonging to the technical field of remote interconnection. The invention relates to a remote interconnection system of solid hydrogen energy robot, which comprises a remote connection module, a real-time monitoring module, a data processing module, an analysis and comparison module, a data storage module and a remote management module. The invention solves the problems that the existing solid hydrogen energy robot for fuel cell can't find the fuel cell fault based on the solid hydrogen energy robot in time, give early warning and alarm, and there are inconveniences and potential safety hazards. According to the management strategy, the invention can remotely guide users to manage the faulty fuel cell and give corresponding early warning to users, can remotely monitor the fuel cell situation based on the solid hydrogen energy robot in real time, can timely find the fuel cell fault based on the solid hydrogen energy robot, can give early warning and alarm based on fuel cell failure, which makes it convenient for users to use the fuel cell solid hydrogen energy robot and greatly reduces potential safety hazards.



21: 2024/04592. 22: 2024/06/13. 43: 2024/12/23
 51: F16F
 71: CHONGQING COLLEGE OF ELECTRONIC ENGINEERING
 72: FAN Mengyang

54: DAMPING DEVICE FOR INTELLIGENT NETWORKED AUTOMOBILE

00: -
The invention belongs to the technical field of vehicle-mounted equipment, and relates to a damping device for intelligent networked automobile, which comprises a box body, wherein an accommodating cavity for accommodating a vehicle-mounted terminal is defined inside; a first buffer which is used for abutting against the vehicle body; a second buffer which is used for buffering the box body; a fan which is used to suck the hot air in the accommodating cavity. The vibration damping function of the box body is realized, and meanwhile, the heat dissipation in the box body and the service life of the buffer mechanism are improved.

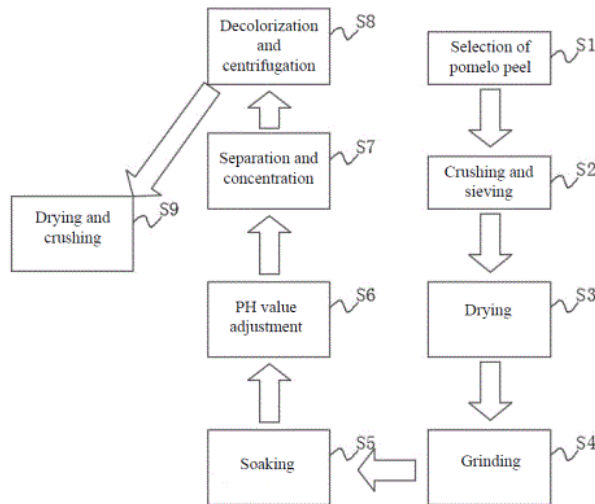


21: 2024/04594. 22: 2024/06/13. 43: 2025/01/02
51: A61K
71: Ji'an College
72: Feng Wenwen, Hu Wenwen, Jin Yuanbao, Xiao Xixiang, Liu Yuying, Zhou Huang, Xiao Na, Guo Qi

54: JINGGANG HONEY POMELO EXTRACT CONTAINING NARINGIN AND PREPARATION METHOD THEREFOR

00: -
Disclosed in the present invention is a Jinggang honey pomelo extract containing naringin obtained by separation and extraction from honey pomelo peel, and a preparation method therefor. The method includes the steps of: S1, selection of pomelo peel; S2, crushing and sieving; S3, drying; S4, grinding; S5, soaking; S6, pH value adjustment; S7, separation and concentration; S8, decolorization and centrifugation; and S9, drying and crushing. The

present invention relates to the technical field of naringin extraction. According to the present invention, a process production time is greatly shortened, mass production with low cost can be realized, and the addition of preservatives and flocculants can be avoided; at the same time, a yield of naringin can be improved, and green production can be effectively realized, facilitating the popularization and use.

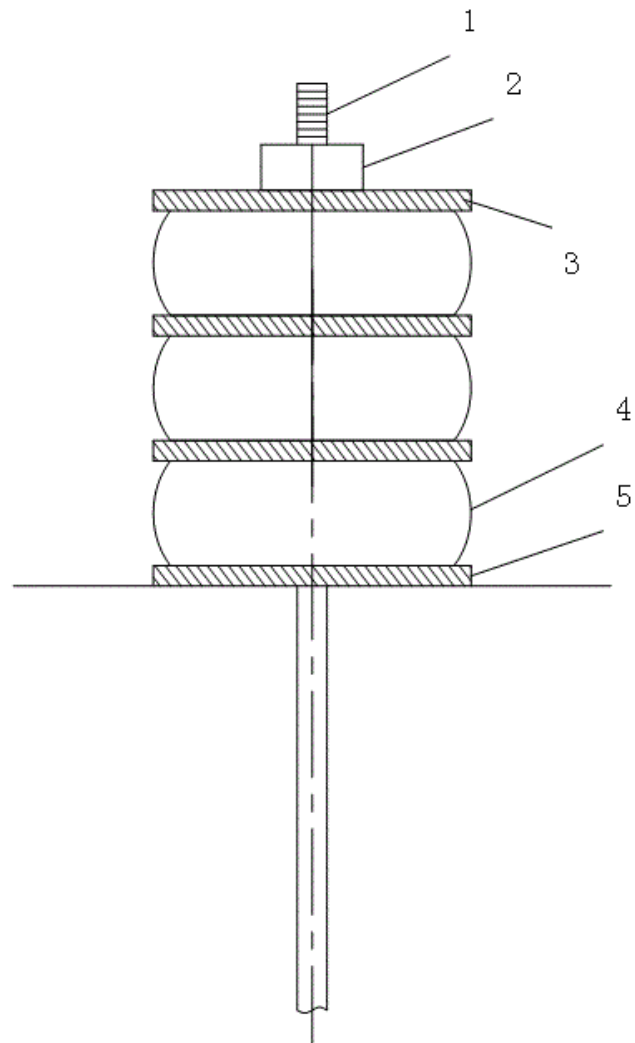


21: 2024/04598. 22: 2024/06/13. 43: 2025/01/13
51: E21D
71: University of Science and Technology Beijing
72: Peng LI, Shengjun MIAO, Fenhua REN, Yu WANG, Meifeng CAI, Yan LIU, Pengjin YANG, Kang DONG, Xiangfan SHANG, Chenyu TANG, Chao TANG, Chengtian DING, Zhengting DUAN

54: A STRONG ENERGY-ABSORBING ANCHOR BOLT TRAY

00: -
The present invention discloses a strong energy-absorbing anchor bolt tray, comprising an anchor bolt, the anchor bolt is sleeved with multiple sets of trays and high-damping rubbers, the tray and high-damping rubber are distributed at intervals, the tray is a square high-strength steel plate, the thickness of the tray is adjusted as required. Both the center of the tray and high-damping rubber are provided with a circular through hole, the purpose is to fix the anchor bolt on the tray with a fastening nut after the anchor bolt passes through the circular through hole, and a diameter of the circular through hole is matched with a diameter of the anchor bolt. The

shape of the high-damping rubber is a drum-shaped tube with two fine ends and a thick middle, the diameter of the middle is slightly larger than the diameter of the two ends, and the thickness of the high-damping rubber is determined according to the deformation characteristics of the surrounding rock and the energy absorption requirements. The high-damping energy-absorbing anchor bolt tray can not only provide high bearing capacity, but also absorb and dissipate a large amount of deformation impact energy acting on the support system, which can effectively guide the release and transformation of control energy, and consume high energy in the process of compression deformation of high-damping rubber, effectively resisting the influence of large deformation or impact deformation of deep surrounding rock. Furthermore, the anchor bolt tray is easy to install, low cost, environmental protection, and pollution-free.



21: 2024/04602. 22: 2024/06/13. 43: 2024/12/23
51: G21H; H01L

71: INFINITE POWER COMPANY PTY LTD

72: WHITEHEAD, Steven Christopher

33: GB 31: 2118322.3 32: 2021-12-16

54: ELECTRICAL GENERATOR SYSTEM

00: -

An electrical generator system including a radionuclide material (7); and a sandwich structure, the sandwich structure including: [0001] a layer of an n-type semiconductor material (5); [0002] a layer of intrinsic n-type semiconductor material (4); [0003] a layer of p-type semiconductor material (3); and [0004] metal electrodes (2,6), one of the electrodes 6 being in direct contact with said n-type semiconductor material and another electrode 2 being in contact with the p-type semiconductor material, forming metal-semiconductor junctions therebetween; wherein radiation emissions received

from said radionuclide material are converted into electrical energy at said metal-semiconductor junctions; and [0005] electrical contacts connected to said electrodes which facilitate the flow of said electrical energy when connected to a load.

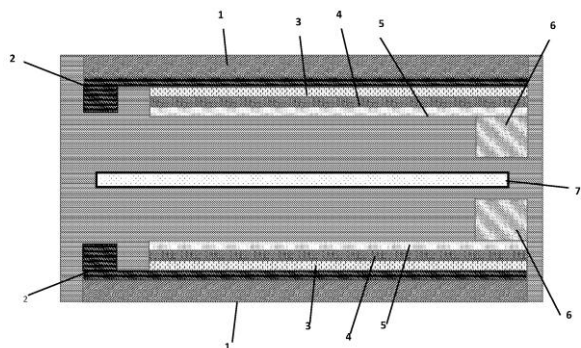
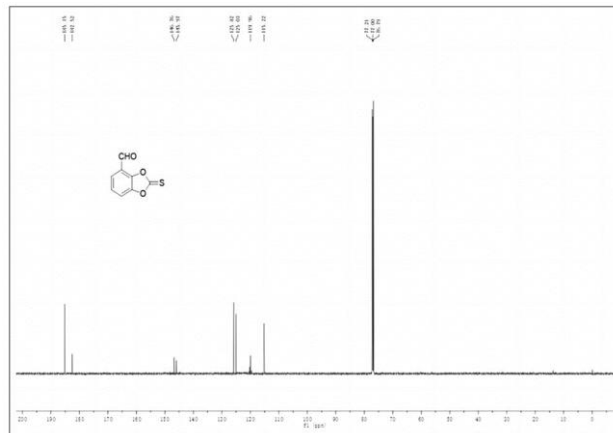


Figure 1

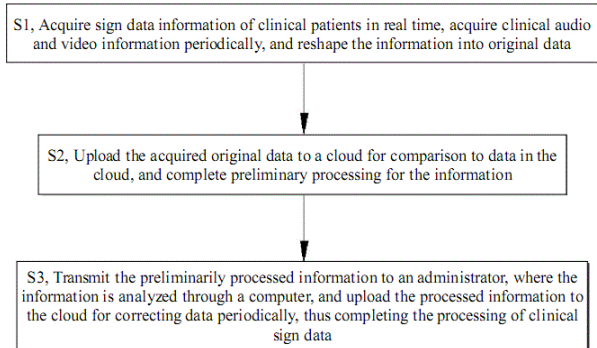


21: 2024/04604. 22: 2024/06/13. 43: 2024/12/23
 51: C07D
 71: HUAIBEI NORMAL UNIVERSITY, HUAIBEI LONGXI BIOTECHNOLOGY CO., LTD.
 72: Manyi HAN, Ming GU, Baobing ZHU, Zhenguo ZHAO, Yongxian SUN, Shuang GU, Xiaopeng WANG, Lei WANG
 33: CN 31: 202211741131.6 32: 2022-12-31
54: METHOD FOR SYNTHESIZING FLUDIOXONIL INTERMEDIATE 2, 2-DIFLUORO-1, 3-BENZODIOXOLE-4-CARBOXALDEHYDE

00: -
 The present disclosure relates to a method for synthesizing a fludioxonil intermediate 2, 2-difluoro-1, 3-benzodioxole-4-carboxaldehyde. According to the method, 2, 3-dihydroxy benzaldehyde and thiophosgene are used as raw materials and enabled to react in presence of alkali to produce 2-thioketone-1, 3-benzodioxole-4-carboxaldehyde, and then the obtained product is enabled to react with a fluorinating reagent bis (2-methoxyethyl) amino sulfur trifluoride (BAST) in presence of a catalyst, so that the 2, 2-difluoro-1, 3-benzodioxole-4-carboxaldehyde is synthesized. The method has the advantages of few steps, simple operation, easily available raw materials and high yield, thus being suitable for industrial mass production needs, with great market prospects.

21: 2024/04606. 22: 2024/06/13. 43: 2024/12/23
 51: A61B
 71: THE THIRD AFFILIATED HOSPITAL OF THE GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU CENTER FOR THE TREATMENT OF SEVERE PREGNANT AND LYING-IN WOMEN, GUANGZHOU ROUJI HOSPITAL)
 72: SHEN, Jian, XU, Yunhong, PAN, Yangjun
54: CLINICAL SIGN DATA PROCESSING METHOD AND SYSTEM

00: -
 Provided is a clinical sign data processing method. The method includes the following steps: acquiring sign data information of clinical patients in real time, acquiring clinical audio and video information periodically, and reshaping the information into original data; uploading the acquired original data to a cloud for comparison to data prestored in the cloud, and transmitting an information difference to an administrator according to a preset return cycle if the difference in comparative information is within a preset threshold; if the difference in comparative information goes beyond the preset threshold, transmitting the information difference to the administrator immediately to complete preliminary processing for the information; and transmitting the preliminarily processed information to the administrator, where the information is analyzed through a computer, and uploading the processed information to the cloud for correcting data periodically, thus completing the processing of clinical sign data. According to the present disclosure, the cloud data may be corrected periodically at the administrator to facilitate medical care personnel completing the sign monitoring of the patients effectively, which is economical and practical.



21: 2024/04630. 22: 2024/06/13. 43: 2024/12/23
 51: A01N; A01P
 71: NANTONG JIANGSHAN AGROCHEMICAL & CHEMICALS CO., LTD.
 72: WANG, Li, ZHU, Yanmei, DONG, Lei, ZHAO, Yong, FAN, Meiyun
 33: CN 31: 202210457620.2 32: 2022-04-27
54: DISPERSIBLE OIL-BASED SUSPENSION CONCENTRATE CONTAINING 3-(2-CHLORO-4-FLUORO-5-(3-METHYL-2,6-DIOXO-4-TRIFLUOROMETHYL-3,6-DIHYDROPYRIMIDINE-1(2H)-YL)PHENYL)-5-METHYL-4,5-DIHYDROISOXAZOLE-5-CARBOXYLIC ACID ETHYL ESTER AND PREPARATION METHOD THEREFOR

00: -
 The present invention relates to the technical field of A01P13/00, and more specifically, the present invention relates to a dispersible oil-based suspension concentrate containing 3-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-3,6-dihydropyrimidine-1(2H)-yl)phenyl)-5-methyl-4,5-dihydroisoxazole-5-carboxylic acid ethyl ester and a preparation method therefor. The dispersible oil-based suspension concentrate containing 3-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-3,6-dihydropyrimidine-1(2H)-yl)phenyl)-5-methyl-4,5-dihydroisoxazole-5-carboxylic acid ethyl ester comprises the following components in parts by weight: 22-44 parts of glyphosate ammonium salt, 0.5-1.5 parts of 3-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-3,6-dihydropyrimidine-1(2H)-yl)phenyl)-5-methyl-4,5-dihydroisoxazole-5-carboxylic acid ethyl ester, 3-8 parts of a wetting dispersant, 10-15 parts of an emulsifier, 1-2 parts of a structure modifier, and the balance of a solvent till 100 parts. In the present application, the dispersible oil-based suspension concentrate solves the

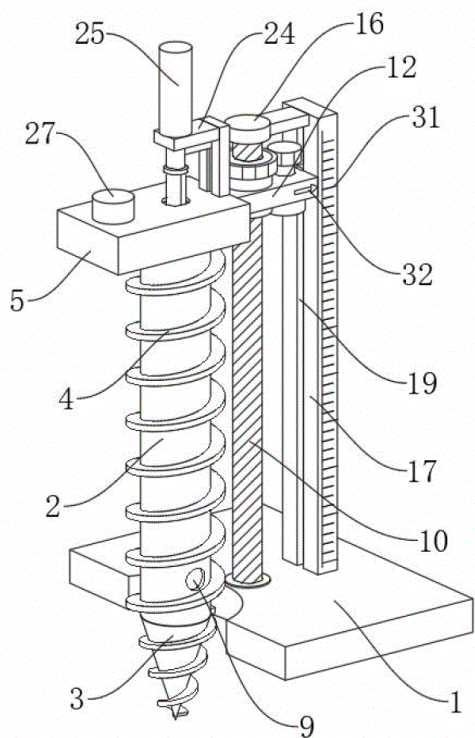
problem in the prior art of decomposition of 3-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-3,6-dihydropyrimidine-1(2H)-yl)phenyl)-5-methyl-4,5-dihydroisoxazole-5-carboxylic acid ethyl ester, and the dispersible oil-based suspension concentrate does not have the problem of creaming, has good high and low temperature resistance, and has good dilution stability, lasting foamability and suspensibility.



21: 2024/04637. 22: 2024/06/14. 43: 2024/12/23
 51: G01N
 71: Yan an University
 72: Liang Li e, Chao Yan, Wang Xiaohan, Li Jiamin, Zhang Jie, Zhu Yonghua
 33: CN 31: 2024105877704 32: 2024-05-13
54: A SOIL SAMPLER

00: -
 This invention discloses a soil sampler, which relates to the technical field of soil detection equipment. The invention comprises a base with a support pipe at the top. The support pipe is fixedly connected with a drill bit at the bottom, and transport blades are fixedly connected on the surface of the support pipe. A drive box is fitted onto the surface of the support

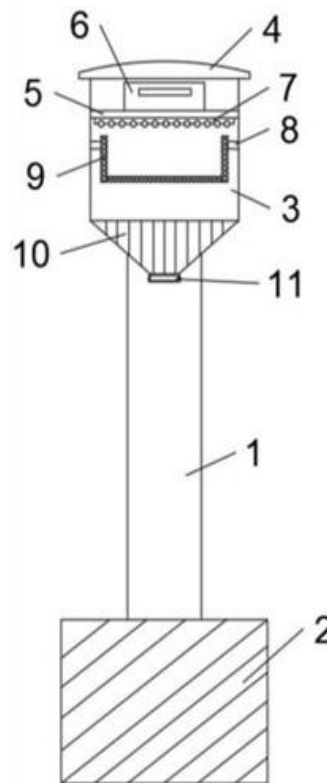
pipe, and an adjustment component is set at the rear side of the support pipe. By incorporating the sampling component, this invention allows for the collection of soil at different depths during soil drilling and sampling processes. Multiple soil samples from various depths can be obtained in a single operation, which reduces impurities from the surface layer or infiltration of upper soil substances, thereby facilitating the acquisition of cleaner and more reliable soil samples. Additionally, by incorporating the moving component, the position of the sampling tube can be adjusted. This enables efficient sampling as well as easy retrieval of the obtained soil samples after sampling is completed, thereby improving the overall sampling efficiency.



21: 2024/04638. 22: 2024/06/14. 43: 2024/12/23
 51: A01M
 71: WETLAND PROTECTION STATION OF SHANDAN COUNTY, GANSU PROVINCE, GANSU PROVINCE ACADEMY OF QILIAN WATER RESOURCE CONSERVATION FORESTS RESEARCH INSTITUTE, LANZHOU INSTITUTE OF HUSBANDRY AND PHARMACEUTICAL SCIENCES OF CAAS, MECHANICAL FOREST FARM OF SHANDAN COUNTY, GANSU PROVINCE

72: CHEN, Jinlong, YAN, Chunming, CHEN, Chao, XIE, Jianfeng
54: INSECT PEST PREVENTION DEVICE FOR FORESTRY

00: -
 Disclosed is an insect pest prevention device including a support column and an insect-killing box which includes an insect-killing liquid tank, the upper end of the insect-killing box is arranged with a box cover, the upper part of the inner side of the box is arranged with a fixed waterproof plate, the upper end of the fixed waterproof plate is arranged with a storage battery, the bottom end of the fixed waterproof plate is arranged with an insect-attracting lamp group, the inner side of the box is arranged with the symmetrically distributed mounting strips, an insect-killing power grid is arranged between the symmetrically distributed mounting strips, the outer sides of the box include insect-attracting windows and connecting strips which are hinged with baffle plates. Through the use of the baffle plates, the insect-attracting windows are blocked via the baffle plates to prevent rainwater from entering the box.



21: 2024/04639. 22: 2024/06/14. 43: 2024/12/23
 51: A23L

71: Shanxi Institute for Functional Food, Shanxi Agricultural University
 72: SHI, Lei, LIU, Chao, ZHOU, Bailing, LIANG, Xia, MENG, Tingting, GAO, Fen, LI, Min, QIN, Yifan
54: METHOD FOR PROCESSING INSTANT MULTIGRAIN RICE

00: -
 The present application discloses a method for processing instant multigrain rice, which falls within the technical field of food processing. The processing method disclosed in the present invention includes the following steps: separately subjecting oat and buckwheat to cleaning, soaking, germinating, wet grinding, ultrasonication, extruding granulation, and hot air drying. In the present invention, through germinating the multigrain rice, contents of phytic acid and anti-nutritional factors in the multigrain rice are reduced by 90 percent, contents of nutritional components in the multigrain rice are increased, the content of gamma-aminobutyric acid in the multigrain rice is significantly increased, the antioxidant activity of the multigrain rice is enhanced, and the nutritional value is higher. The present invention reduces the content of insoluble dietary fiber and the content of protein in the multigrain rice through germinating and granulates using a rice-shape extrusion granulation machine.

21: 2024/04640. 22: 2024/06/14. 43: 2024/12/23
 51: A23L
 71: Shanxi Institute for Functional Food, Shanxi Agricultural University
 72: SHI, Lei, LU, Xin, LIANG, Xia, MENG, Tingting, GAO, Fen, LI, Min, QIN, Yifan
54: MIXED BEAN NUTRITIONAL NOODLES AND PREPARATION METHOD THEREOF

00: -
 The present invention provides mixed bean nutritional noodles and a preparation method thereof, belonging to the field of food processing. The mixed bean nutritional noodles include: compound mixed bean flour, high gluten wheat flour, starch, gluten enhancers, and improvers. The preparation method thereof includes: mixing a solid material formed by mixing the compound mixed bean flour, the high gluten wheat flour, the starch, the gluten enhancers, and the improvers with a common salt solution and kneading into a dough, proofing the dough and processing the same into

noodles, and aging the noodles. The mixed bean nutritional noodles, in which the content of the compound mixed bean flour is more than 40 percent, have the characteristics of a low cooking loss rate, easy cooking, good rehydration, no muddy soup, a smooth and fine mouthfeel and a fresh noodle flavor.

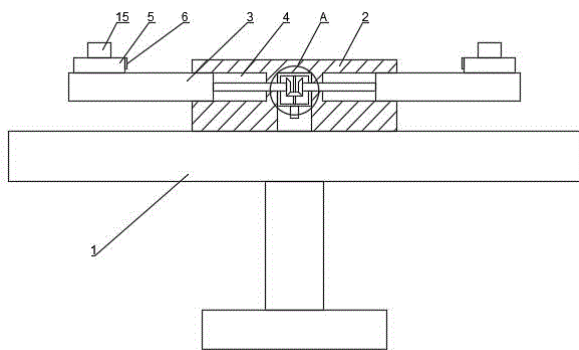
21: 2024/04641. 22: 2024/06/14. 43: 2024/12/23
 51: A23L
 71: Shanxi Institute for Functional Food, Shanxi Agricultural University
 72: SHI, Lei, LIU, Chao, LU, Xin, MENG, Tingting, LIANG, Xia, TIAN, Ge, QIN, Yifan, LI, Min
54: INSTANT MIXING POWDER OF COARSE CEREALS AND MIXED BEANS AND PREPARATION METHOD THEREOF

00: -
 The present invention relates to the field of food processing, and particularly to an instant mixing powder of coarse cereals and mixed beans and a preparation method thereof. In the present invention, coarse cereals are subjected to germination, and mixed beans are soaked to soften their shells, freeze drying is performed at -23 to -21 degrees Celsius for 1.5 h to 2 h to keep the nutritional elements of the coarse cereals and the mixed beans, then the coarse cereals and the mixed beans are subjected to puffing to make them crisper and easier to dissolve in water, and granulation is performed to facilitate the formation of the product and sales. The obtained instant mixing powder of coarse cereals and mixed beans is rich in nutritional components, is easy to absorb and digest, and has a good mouthfeel.

21: 2024/04642. 22: 2024/06/14. 43: 2024/12/23
 51: G01M
 71: CHONGQING COLLEGE OF ELECTRONIC ENGINEERING
 72: FAN Mengyang
54: INTELLIGENT NETWORKED STEERING TESTING DEVICE FOR AUTOMOBILES

00: -
 The invention relates to the technical field of automobile testing devices, and discloses an intelligent networked steering testing device for automobiles. The main support assembly comprise a fixed table, an adjusting piece and two adjusting plate, wherein that fixed table is fixedly connected to the top end of the testing table, chute are formed at

both ends of the fixed table, the adjusting piece is arranged in the fixed table, and the two adjusting plates are respectively connected with the two chutes in a sliding way through the adjusting piece; the testing assembly comprises two turntables and two adjusting clamping pieces, wherein the two turntables are respectively rotatably connected to one end of the two adjusting plates far away from the fixed table, and the two adjusting clamping pieces are respectively arranged on the two turntables, and the adjusting clamping pieces are used for clamping automobile test wheels; and the recording piece is arranged on the turntable and used for recording test data. The invention has a simple structure, is suitable for steering tests of automobiles with different specifications and sizes, ensures accurate data, improves test efficiency and has a wide application range.



21: 2024/04643. 22: 2024/06/14. 43: 2024/12/23
51: B02C

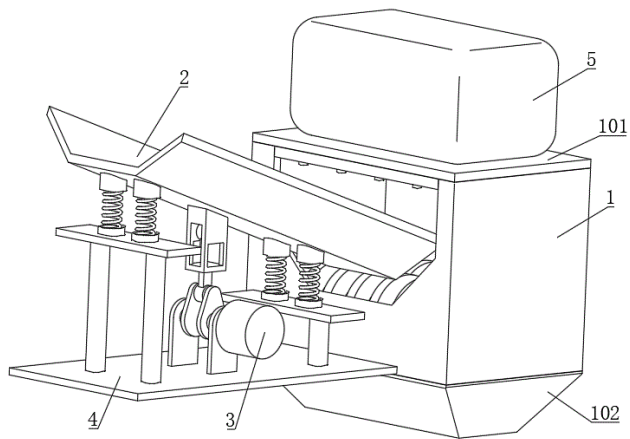
71: Nantong Institute of Technology
72: Hu Xiaowen, Peng Shengnan, Xu Jiaxin

54: A WASTE RECYCLING DEVICE FOR CONSTRUCTION PROJECTS

00: -

The present invention discloses a waste recycling device for construction engineering, belonging to the field of construction waste recycling technology. A waste recycling device for construction engineering, comprising a recycling bin and a guide plate, wherein the guide plate is located on one side of the recycling bin, a crushing drum is set inside the recycling bin, a feeding port is set on the side of the recycling bin, a discharge port is set below the lower cover, a limiting member and a spring are set below the guiding plate, and a cam is set below the limiting member. To solve the problem of construction waste

easily getting stuck inside the conveyor channel, causing blockages and affecting the efficiency of recycling, a motor is used to drive the cam to rotate, and the cam drives the limit piece to move up and down, causing the guide plate to vibrate up and down. The spring ensures the continuity of the vibration force acting on the guide plate, thereby providing additional power to supplement the construction waste on the guide plate when entering the recycling bin, thereby reducing the occurrence of blockages in the conveyor channel and improving the efficiency of construction waste recycling.



21: 2024/04644. 22: 2024/06/14. 43: 2024/12/23
51: H04L

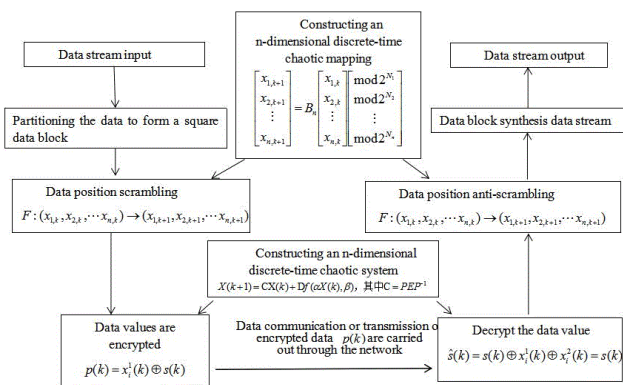
71: Jiaxing Vocational & Technical College
72: Wenjun Gu, Qiang Li, Chunfang Gao, Shuangxi Chen, Xia Sun, Zhicheng Gong, Yi Zhou, Haiping Jiang, Yuhao Wu

54: DATA ENCRYPTION ALGORITHM BASED ON CHAOTIC SYSTEM

00: -

The invention introduces a data encryption algorithm based on chaotic system. The algorithm is divided into two steps to realize data encryption: the first step is to construct an n-dimensional discrete-time chaotic mapping, which is used to scramble the position of data stream; the second step is to establish an n-dimensional discrete-time chaotic system, which is used to encrypt the values of data streams by chaotic stream cipher. By partitioning the data into blocks, chaotic positions and chaotic encryption, the algorithm not only improves the reliability of the data, but also realizes the big data and real-time performance of data encryption and decryption. The algorithm has the advantages of simple structure, high efficiency and security, and is

suitable for all kinds of data communication or transmission networks that need to protect data security, have a large amount of data and require high real-time performance.



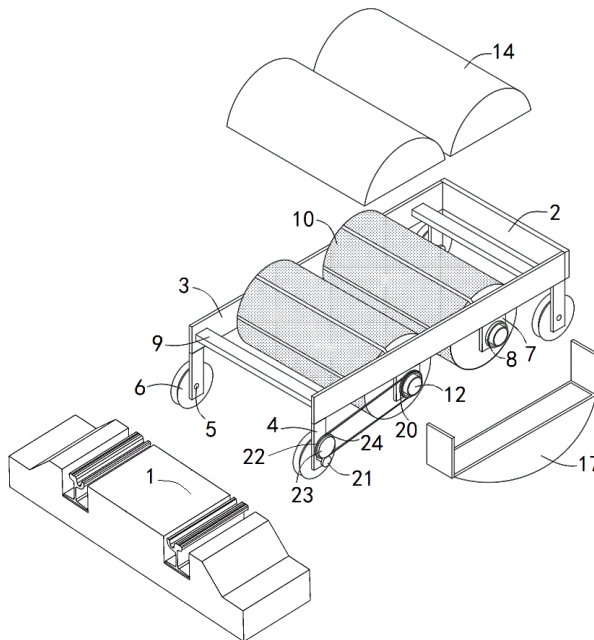
21: 2024/04645. 22: 2024/06/14. 43: 2024/12/23
 51: E01H
 71: Central South University, Guangzhou City Polytechnic, Guangzhou Metro Design & Research Institute Co., Ltd., Dongnan Coastal Railway Fujian Co., Ltd., CHINA RAILWAY 12TH BUREAU GROUP CO., LTD.

72: LI Peicheng, HAN Marui, ZENG Zhiping, WU Da, WU Shuang, TANG Wenpeng, LI Ping, YIN Huatuo, ZHU Pengwei, TU Qinming, HUANG Hui, ZHAO Chen, CHEN Guoshun, LIU Junhua, WANG Xiongbiao, DUAN Tingfa, CAI Fuhai

54: TRAM EMBEDDED TRACK PAVEMENT STRUCTURE CLEANING VEHICLE

00: -
 The invention belongs to the technical field of tram track cleaning, in particular to a tram embedded track pavement structure cleaning vehicle, which comprises a vehicle body, wherein the vehicle body is rotatably connected with a track wheel and a water-absorbing cleaning part, and the track wheel can roll on the embedded track so that the vehicle body can run on the embedded track, and the water-absorbing cleaning part is provided with water absorption materials, and the water-absorbing cleaning part continuously rotates when the cleaning vehicle runs to absorb the sludge water attached to the track pavement structure. The invention can travel along the embedded track, absorb the sludge water on the embedded track and discharge it outside the track range to realize the rapid treatment of the sludge water, and reduce the influence on the

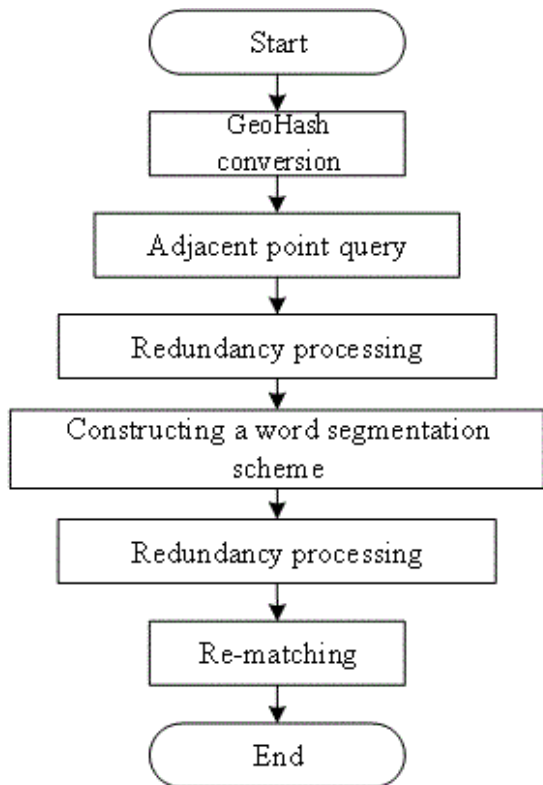
tram and the surrounding vehicles, and its soft cotton layer water absorption structure can ensure that the vegetation in the greening section of the embedded track is not damaged.



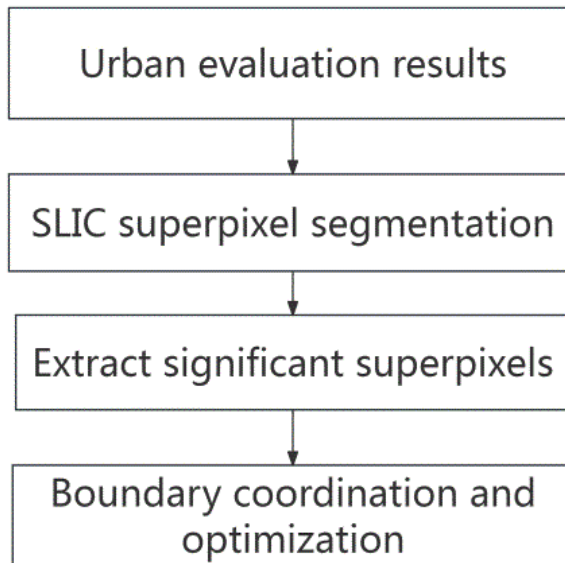
21: 2024/04646. 22: 2024/06/14. 43: 2024/12/23
 51: G06F
 71: Nanjing University
 72: Zhenjie CHEN, Changqing XU, Runpeng XU, Chen ZHOU, Zhiwei ZENG, Nan XIA, Lei MA, Dong CHEN
54: A MULTI-SOURCE POI DATA CLEANING METHOD OF FUSING LOCATION CONSTRAINTS AND SEMANTIC CONSTRAINTS

00: -
 The present invention discloses a multi-source POI data cleaning method of fusing location constraints and semantic constraints, comprising the following steps: performing GeoHash conversion on a collected multi-source POI data; performing an adjacent point query on the converted character string to find adjacent POI points; performing redundancy processing on neighboring window with the adjacent POI points in the above; constructing a word segmentation scheme; performing redundancy processing on the processed data; re-matching POI data based on term frequency statistics of the key terms segmented. The present invention adopts the above-mentioned multi-source POI data cleaning method of fusing location constraints and semantic

constraints, which can more accurately and efficiently complete data cleaning work and improve POI data quality.



boundary. The present invention adopts the above-mentioned urban development boundary delimitation method based on superpixel segmentation, which can accurately and quickly delimit the urban development boundary to meet the needs of urban planning and ecological protection, which has stronger practicability and adaptability compared with the conventional urban development boundary delimitation method.



21: 2024/04647. 22: 2024/06/14. 43: 2024/12/23
 51: G06K
 71: Nanjing University
 72: Zhenjie CHEN, Mengyuan MEI, Lanfeng GE, Manchun LI, Feixue LI, Qiuhaohu HUANG, Zhenying CHEN, Miao WANG

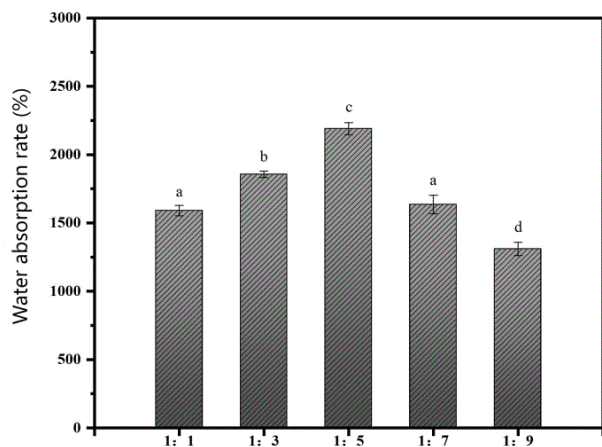
54: URBAN DEVELOPMENT BOUNDARY DELIMITATION METHOD BASED ON SUPERPIXEL SEGMENTATION

00: -
 The present invention discloses an urban development boundary delimitation method based on superpixel segmentation, which belongs to the field of information automation technology. The method comprises the following steps: S1, data preparation; S2, performing SLIC superpixel segmentation on a digital image obtained from the evaluation result in step S1; S3, dividing the superpixel into a significant superpixel and a non-significant superpixel, and determining the expansion boundaries and the constraint boundaries; S4, boundary coordination and optimization, and delimiting the urban development

21: 2024/04649. 22: 2024/06/14. 43: 2024/12/23
 51: B09B
 71: Jilin Agricultural University
 72: Tingting LIU, Dawei WANG, Yanrong ZHANG
54: CORN STRAW NANOCELLULOSE-BASED AEROGEL FRESH-KEEPING PAD AND PREPARATION METHOD THEREOF
 00: -

The invention relates to the field of food science and technology and specifically discloses a corn straw nanocellulose-based aerogel fresh-keeping pad and a preparation method thereof. The fresh-keeping pad comprises the following mass ratio components: 1 % corn straw nanocellulose, 0 %-9 % starch, 6 % thyme essential oil, 12 % surfactant and cosurfactant, and the rest is ultrapure water. The invention also discloses a preparation method for the corn straw nanocellulose-based aerogel fresh-keeping pad, the invention adopts the above preparation method. In this method, corn straw nanocellulose and starch which are cheap and have a wide range of sources are used as raw materials,

and safe and non-toxic thyme essential oil is used as an antibacterial active substance. The prepared aerogel pad has the characteristics of light weight, good elasticity, strong water absorption, and oil absorption, and the aerogel structure is used as a sustained release system to achieve the effect of continuous release of thyme essential oil. The aerogel pad has antibacterial function characteristics, and is green and biodegradable, which conforms to the principle of green sustainable development.



21: 2024/04652. 22: 2024/06/14. 43: 2024/12/23
51: G01N

71: Nagaland University, RITUPARNA KARMAKER, AOLA SUPONG, DIPAK SINHA, UPASANA BORA SINHA

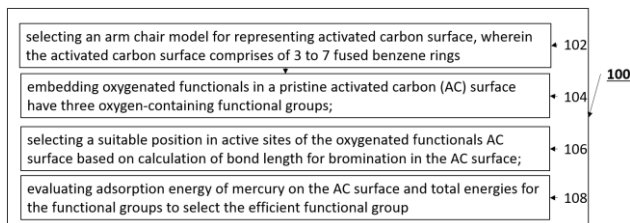
72: RITUPARNA KARMAKER, AOLA SUPONG, DIPAK SINHA, UPASANA BORA SINHA

54: METHOD FOR ANALYSING MERCURY ADSORPTION ABILITY OF OXYGENATED FUNCTIONALS BROMINATED ACTIVATED CARBON

00: -

A method (100) for analysing mercury adsorption ability of oxygenated functionals Brominated Activated Carbon, wherein the method (100) comprises of: selecting an arm chair model for representing activated carbon surface, wherein the activated carbon surface comprises of 3 to 7 fused benzene rings; embedding oxygenated functionals in a pristine activated carbon (AC) surface have three oxygen-containing functional groups; selecting a suitable position in active sites of the oxygenated functionals AC surface based on calculation of bond length for bromination in the AC surface; and

evaluating adsorption energy of mercury on the AC surface and total energies for the functional groups to select the efficient functional group.



21: 2024/04653. 22: 2024/06/14. 43: 2024/12/23
51: G01N

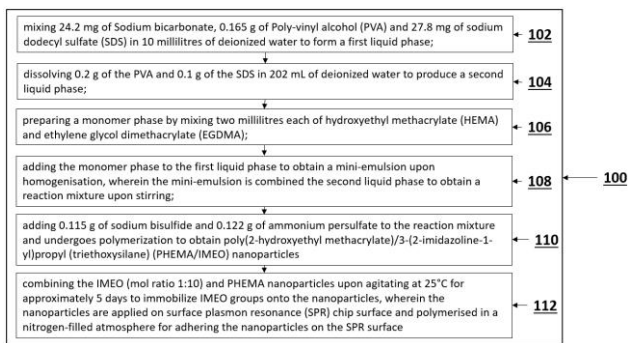
71: Dr. Kuljinder Kaur, Dr. Renu Devi, Dr. Rahul Boadh, Gaurav, Dr. Surinder Singh, Dr Srikant Sharma, Dr. Neeraj Pahuja, Dr. Deva Nand Sharma, Dr. Subodh Kumar, Dr Vinita Dheeran, Gurudatt Rao Ambedkar, Dr. Umesh Kumar

72: Dr. Kuljinder Kaur, Dr. Renu Devi, Dr. Rahul Boadh, Gaurav, Dr. Surinder Singh, Dr Srikant Sharma, Dr. Neeraj Pahuja, Dr. Deva Nand Sharma, Dr. Subodh Kumar, Dr Vinita Dheeran, Gurudatt Rao Ambedkar, Dr. Umesh Kumar

54: COMPOSITION AND METHOD FOR FABRICATION OF SURFACE PLASMON RESONANCE FOR IMMUNOGLOBULIN G (IGG) DETECTION

00: -

A composition and method (100) for fabrication of surface plasmon resonance for IgG detection, comprising: mixing Sodium bicarbonate, PVA and 27.8 mg of SDS in 10 millilitres of deionized water to form a first liquid phase; dissolving 0.2 g of the PVA and 0.1 g of the SDS in 202 mL of deionized water to produce a second liquid phase; preparing a monomer phase by mixing two millilitres each of HEMA and EGDMA; adding the monomer phase to the first and second liquid phase and to obtain a reaction mixture; adding 0.115 g of sodium bisulfide and 0.122 g of ammonium persulfate to the reaction mixture to obtain PHEMA/IMEO nanoparticles; upon polymerisation; and combining the IMEO (mol ratio 1:10) and PHEMA nanoparticles upon agitating at 25°C for approximately 5 days to immobilize IMEO groups onto the nanoparticles.

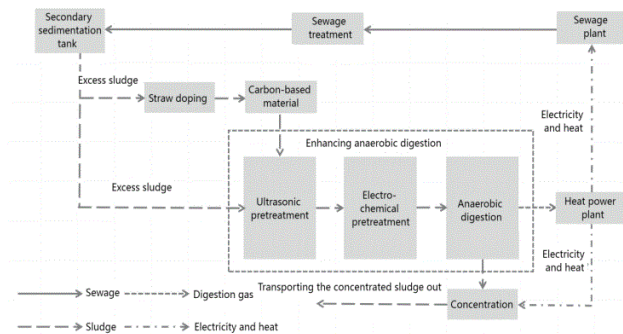


21: 2024/04667. 22: 2024/06/14. 43: 2024/12/23
51: C02F

71: Harbin Institute of Technology
72: Liangliang WEI, Likui FENG, Tianyi HU, Hao MA, Xinwei CHEN, Weixin ZHAO, Shufei HE

54: METHOD FOR ENHANCING EFFICIENT METHANOGENESIS OF SLUDGE ANAEROBIC DIGESTION

00: -
The method for enhancing efficient methanogenesis of sludge anaerobic digestion is to solve the existing technical problems such as low efficiency of sludge anaerobic fermentation, low utilization value of non-grain biomass, and poor efficiency of carbon materials. The main steps of this method: 1, sludge pretreatment; 2, preparation of a carbon-based material; 3, electrochemical pretreatment; 4, anaerobic fermentation; 5, subsequent disposal. The invention uses sludge and straw to prepare hierarchical porous carbon material carbon-based materials, it makes full use of non-grain biomass, increases its high added value, and the obtained carbon-based material can enhance electrochemical pretreatment and enhance methane produced by anaerobic fermentation.

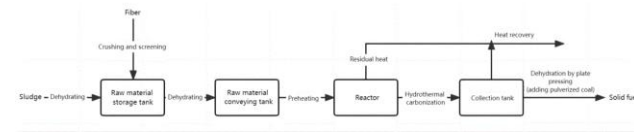


21: 2024/04668. 22: 2024/06/14. 43: 2024/12/23
51: C10B

71: Harbin Institute of Technology

72: Liangliang WEI, Weixin ZHAO, Zhelu GAO, Yaqun LI, Xinwei CHEN, Likui FENG, Shufei HE
54: METHOD FOR PREPARING BIOCHAR BY HYDROTHERMAL CARBONIZATION OF SLUDGE AND STRAW

00: -
The invention relates to the technical field of municipal sludge and industrial sludge treatment methods, and discloses a comprehensive treatment method for iron-containing sludge and straw based on hydrothermal carbonization, comprising the following steps: 1) crushing and screening straw, dehydrating the iron-containing sludge initially, and adding the catalyst to the iron-containing sludge for catalytic wet oxidation treatment; 2) pumping the iron-containing sludge after wet oxidation into the raw material storage tank, adding the crushed and screened fiber to the raw material storage tank, and the adding dehydrating agent after mixing for dehydration treatment; 3) preheating the raw material conveying tank, and then the material enters the reactor for hydrothermal carbonization reaction; 4) collecting generated biochar slurry to a collection tank for cooling; 5) adding an appropriate amount of pulverized coal and then carrying out a dehydration by plate pressing, or directly carrying out a dehydration by plate pressing, as a solid fuel. The invention integrates two technologies of anaerobic digestion and hydrothermal carbonization to treat sludge, and optimizes the process from the perspective of material and energy balance, so as to realize sludge reduction and produce solid fuel and biochar substances at the same time, it reduces the operation cost of the process, and the produced hydrothermal carbon can be returned to the field. At the same time, it can be used as an additive to promote anaerobic digestion, and at the same time, it has magnetism and can be recovered.



21: 2024/04687. 22: 2024/06/18. 43: 2024/12/23
51: C22C

71: Chuzhou University
72: DING, Jian
54: COPPER ALLOY MATERIAL AND PREPARATION METHOD THEREOF

00: -

The present invention relates to the technical field of metal alloy materials, and particularly to a copper alloy material and a preparation method thereof. The present invention adds bismuth and antimony to a copper alloy material to refine the particle size of the alloy and improve the cutting performance of the copper alloy material; furthermore, bismuth is dispersed on a copper alloy matrix in the form of a brittle and non-hard intermetallic compound, which further improves the cutting performance of the copper alloy material. In addition, manganese, magnesium, and beryllium can inhibit cracking of the copper alloy material; zinc can improve the strength and toughness of the copper alloy material; tantalum can improve the hot workability of the copper alloy material, and the present invention improves the comprehensive performance of the copper alloy material through the combined action of a plurality of metal elements.

21: 2024/04688. 22: 2024/06/18. 43: 2024/12/23
 51: C22C
 71: Chuzhou University
 72: CUI, Shuqing
54: ALLOY STEEL LINER PLATE MATERIAL AND PREPARATION METHOD THEREOF
 00: -

The present invention relates to the technical field of alloy materials, and particularly to an alloy steel liner plate material and a preparation method thereof. The alloy steel liner plate material provided by the present invention improves the wear resistance and corrosion resistance of the alloy steel liner plate material by adding tungsten, molybdenum, carbon, and silicon, improves the toughness of the alloy steel liner plate material by adding titanium, and simultaneously improves the corrosion resistance, wear resistance, and toughness of the alloy steel liner plate material by a combination of various elements, thus having a wide application prospect.

21: 2024/04689. 22: 2024/06/18. 43: 2024/12/23
 51: C22C
 71: Chuzhou University
 72: YANG, Tingting
54: ENVIRONMENTALLY FRIENDLY FREE-CUTTING NICKEL-COPPER ALLOY MATERIAL AND PREPARATION METHOD THEREOF
 00: -

The present invention relates to the technical field of alloys, and particularly to an environmentally friendly free-cutting nickel-copper alloy material and a preparation method thereof. The nickel-copper alloy material includes the following chemical elements by mass percentage: 5 to 35 percent of nickel, 0.2 to 5 percent of silicon, 0.1 to 3 percent of bismuth, 0.5 to 2 percent of manganese, 0.1 to 1 percent of selenium, 0.3 to 0.4 percent of iron, and remained copper. The nickel-copper alloy provided by the present invention uses silicon, bismuth, and selenium to improve poor cutting performance of a lead-free copper alloy. The obtained alloy material has high strength, excellent comprehensive mechanical performance, good electrical conductivity, and excellent cutting performance, reduces the cutting force and cutting temperature, and significantly improves the service life of knives.

21: 2024/04690. 22: 2024/06/18. 43: 2024/12/23
 51: B23K
 71: Chuzhou University
 72: LI, Lei
54: METHOD FOR PREPARING STEEL ALLOY MATERIAL AND COPPER ALLOY MATERIAL
 00: -

The present invention provides a method for preparing a steel alloy material and a copper alloy material. The copper alloy material provided by the present invention includes in mass percentage: 4 to 7 percent of manganese, 0.1 to 0.3 percent of silicon, 3 to 5 percent of nickel, 18 to 22 percent of zinc, 0.6 to 1 percent of bismuth, 0.2 to 0.8 percent of iron, and remained copper. The copper alloy material provided by the present invention has good wear resistance and cutting performance, good corrosion resistance, and a long service life.

21: 2024/04691. 22: 2024/06/18. 43: 2024/12/24
 51: C22C
 71: Chuzhou University
 72: ZHENG, Guilin
54: HIGH-MANGANESE FREE-CUTTING BRASS ALLOY MATERIAL AND PREPARATION METHOD THEREOF
 00: -

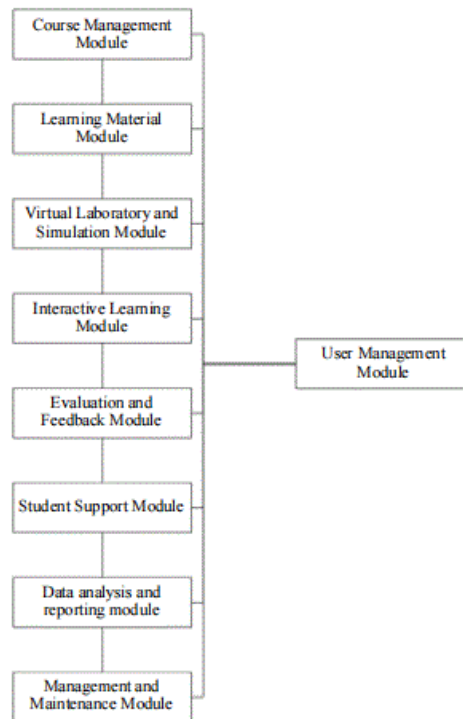
The present invention relates to the technical field of copper alloy materials, and particularly to a high-manganese free-cutting brass alloy material and a

preparation method thereof. The high-manganese free-cutting brass alloy material of the present invention is composed of the following elements in mass percentage: 1.5 to 1.9 percent of manganese, 0.25 to 0.29 percent of arsenic, 0.08 to 0.12 percent of antimony, 1 to 2 percent of silicon, 0.1 to 0.25 percent of lead, 32.5 to 33.9 percent of zinc, and remained copper. The alloy of the present invention has high toughness and wear resistance, good corrosion resistance, good machinability, no toxicity and pollution, good mechanical and brazing properties, low electrical conductivity, and low thermal conductivity, and is suitable for electromagnetic four-way reversing valves for refrigeration.

21: 2024/04692. 22: 2024/06/18. 43: 2024/12/24
 51: G09B
 71: Guizhou Nursing Vocational College
 72: MA, Jing, DAI, Ran, ZHENG, Xiangyun, JIANG, Zhixia

33: CN 31: 202311304216.2 32: 2023-10-09
54: BASIC NURSING INTELLIGENT TEACHING SYSTEM AND METHOD

00: -
 Disclosed is a basic nursing intelligent teaching system and method, including: a user management module: to manage the user accounts of students and teachers; a course management module: to manage the creation, edition, releasing and scheduling of nursing courses; a learning material module: to provide online courses, textbooks, multimedia resources and tutorials; a virtual laboratory and simulation module: to provide a virtual laboratory environment and clinical nursing simulations; an interactive learning module: to provide online discussion, real-time chat and collaborative tools; an evaluation and feedback module: to provide online tests, examination and evaluation tools; a student support module: to provide support services of academic consultation, technical support and learning resource advice; a data analysis and reporting module: to analyze students' performance data and generate reports; and a management and maintenance module: to manage the hardware and software of the system, maintaining databases, backing up data.

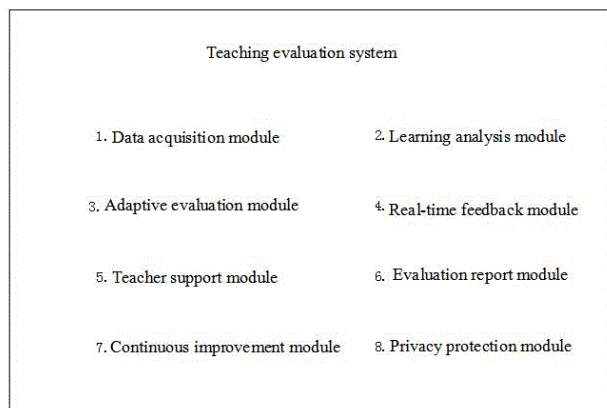


21: 2024/04693. 22: 2024/06/18. 43: 2024/12/24
 51: G06Q
 71: CHONGQING COLLEGE OF ELECTRONIC ENGINEERING
 72: TAN Zhouqin

54: DIGITAL INTELLIGENT TEACHING EVALUATION SYSTEM

00: -
 The invention discloses a digital intelligent teaching evaluation system, which comprises a data acquisition module for collecting learning behavior data of students and teachers; the learning analysis module is used for analyzing the learning behavior data by using a comprehensive analysis technology; the adaptive evaluation module is used to automatically adjust the evaluation standard and difficulty according to the students' learning progress and performance; the real-time feedback module is used to provide real-time feedback through the intelligent system to help students understand their own learning situation; the teacher support module is used to provide data analysis results for teachers and help them understand the learning situation of the whole class and individual students; the evaluation report module is used to generate a detailed evaluation report, which includes students' learning achievements, progress and areas needing

improvement; the continuous improvement module is used to continuously optimize the teaching content and methods based on the collected data and feedback; the privacy protection module is used to protect the safety and privacy of student data in the evaluation process.



21: 2024/04694. 22: 2024/06/18. 43: 2024/12/24
51: A61K; G01N

71: Dr. K. Bhavyasri, Sanjeeva Reddy Chinnakadoori, Sudha Divya Madhuri Kallam, Anoop Bodapati, Phanikumar Reddy Satti, Bhaskar vallamkonda, Mylsamy Palanisamy, Venkata Lakshamana Sagar Dantinapalli, Selvaraj Elumalai

72: Dr. K. Bhavyasri, Sanjeeva Reddy Chinnakadoori, Sudha Divya Madhuri Kallam, Anoop Bodapati, Phanikumar Reddy Satti, Bhaskar vallamkonda, Mylsamy Palanisamy, Venkata Lakshamana Sagar Dantinapalli, Selvaraj Elumalai

33: IN 31: 202441034771 32: 2024-05-02

54: BIOANALYTICAL METHOD AND SYSTEM FOR QUANTIFYING MOLNUPIRAVIR IN BIOLOGICAL SAMPLE

00: -

The present invention related to a bioanalytical method and system for quantifying Molnupiravir in biological samples, particularly rat plasma, using liquid chromatography coupled with tandem mass spectrometry (LC-MS/MS). The method involves liquid-liquid extraction (LLE) of Molnupiravir and utilization of D7-Molnupiravir as an internal standard (IS). A Phenyl column with a specific mobile phase composition is employed for drug separation. Positive mode multiple reaction monitoring (MRM) enables simultaneous detection of Molnupiravir and D7-Molnupiravir. The method demonstrates high selectivity, specificity, linearity, precision, accuracy, and stability under various conditions, meeting

regulatory standards. This novel approach offers a rapid, efficient, and reliable means for quantifying Molnupiravir in biological samples, facilitating pharmacokinetic studies and therapeutic monitoring.

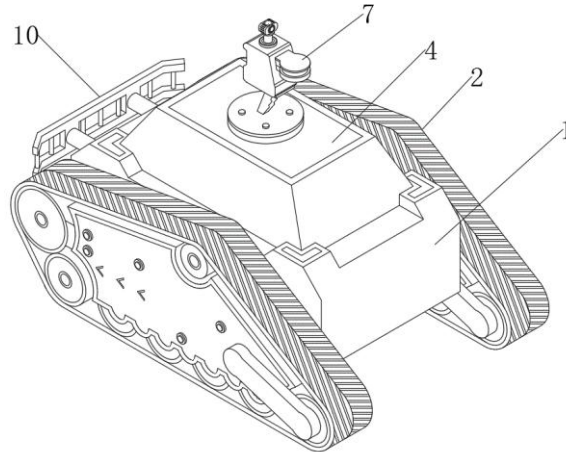
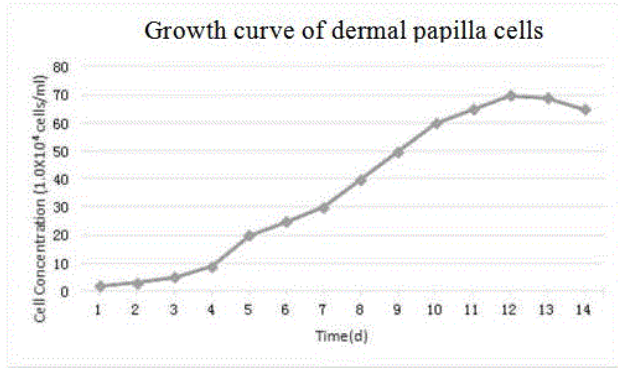
21: 2024/04695. 22: 2024/06/18. 43: 2024/12/24
51: C12N

71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences, Shandong Agricultural University
72: LIU Gongyan, LI Shu, BAI Liya, CHEN Jiali, LI Fuchang, LIU Lei, GAO Shuxia, SUN Haitao

54: METHOD FOR SEPARATING AND CULTURING DERMAL PAPILLA CELL OF REX RABBIT SKIN

00: -

The invention relates to the technical field of cell biology, in particular to a method for separating and culturing dermal papilla cells of rex rabbit skin. The method for separating and culturing dermal papilla cells of rex rabbit skin comprises the following steps: 1, cutting back skin of rex rabbit into long strips, placing the long strips in type II isolated enzyme solution, digesting overnight at 4degree Celsius, and removing epidermis after digesting in an incubator at 37 degree Celsius the next day; 2, cutting the remaining dermal part of the skin after the treatment of removing epidermis in step 1 into mud, and put it into D-type collagenase for digestion for 4-6 hours, until the digested skin is liquid and the hairy papillae is observed under the microscope, and the digestion is terminated with DMEM containing fetal bovine serum; and 3, centrifuging the liquid skin treated in the step 2, collecting cells, discarding supernatant, and carrying out cell culture and heavy suspension. Compared with the prior art, the separation and culture method is scientific and reasonable, with high culture success rate and no cell mechanical damage in the separation process.



21: 2024/04696. 22: 2024/06/18. 43: 2024/12/24
51: B62D

71: Zhengzhou University of Aeronautics
72: Yan Qiong, Zhang Haijun

54: A TWIN SCENE MOBILE SCANNING DEVICE

00: -

This application discloses a twin scene mobile scanning device, which relates to the field of digital twin technology. Improving the actual usage environment of the device is not constant, and most existing devices cannot change the travel mode according to changes in the surrounding environment, resulting in the problem of insufficient applicability of the device. This includes a mobile vehicle body, with tracked mobile components on both sides of the mobile vehicle body, wheeled mobile components on the lower surface of the mobile vehicle body, a protective box at the center of the upper surface of the mobile vehicle body, a rotating component on the inner bottom wall of the protective box, a lifting component on the top of the rotating component, a mobile scanning component fixedly installed on the top of the lifting component, and an internal opening of the mobile vehicle body. There is a lifting chamber. This application enables the device to have a wider range of applicability through the combination of a mobile vehicle body, tracked mobile components, wheeled mobile components, lifting chambers, lifting components, and elastic collision prevention frames.

21: 2024/04697. 22: 2024/06/18. 43: 2024/12/24
51: A01G

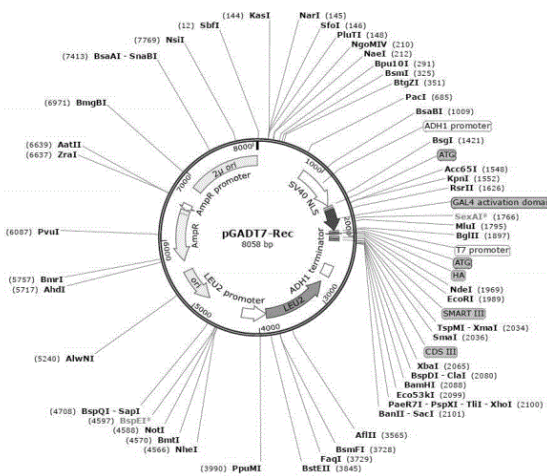
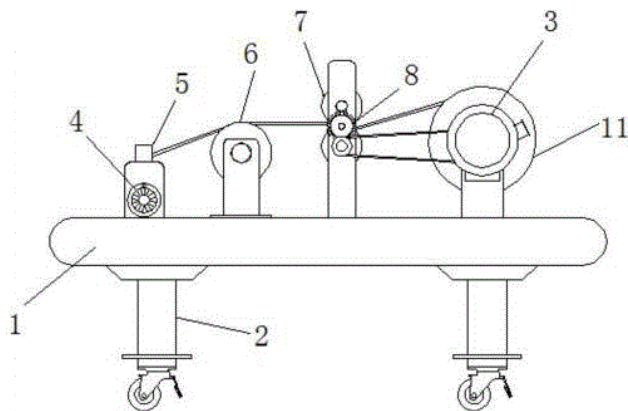
71: Agriculture Resource and Environment Research Institute, Tibet Academy of Agriculture and Animal Science

72: ZHANG Huaguo

54: WINDING EQUIPMENT FOR RECYCLING MULCH FILM

00: -

The invention discloses winding equipment for recycling mulch film, which comprises a base, a supporting wheel, a motor and a roller, wherein the supporting wheel is fixedly arranged on the lower end face of the base, and the roller is installed on the upper left end face of the base, and the motor is fixedly arranged on a supporting rod arranged on the upper right end face of the base by screws; and further comprises: a threaded rod, the rear end of which is arranged at the inner side of the fixing frame at the left upper end of the base through a bearing, and the front end of the threaded rod penetrates through the fixing frame on the base and is in key connection with the handle, and the two ends of the threaded rod penetrate through the bottom end of the adjusting block assembly, and the bottom end of the adjusting block assembly is connected with the threaded rod through threads. The winding equipment for recycling mulch film is equipped with an adjusting block assembly, and the threaded rod drives the adjusting block assembly to move by rotating and handles, and in the process of moving the adjusting block assembly, the pull rope will pull the rotating rod to open and close the adjusting block assembly with the adjusting plate, so as to avoid wrinkles when the mulch film is wound.



21: 2024/04698. 22: 2024/06/18. 43: 2024/12/24
51: C12N

71: Huazhong Agricultural University, Economic Crops Research Institute, Xinjiang Academy of Agricultural Sciences (Xinjiang Uygur Autonomous Region Cotton Research Institute, Xinjiang Uygur Autonomous Region Sugar Beet Improvement Center), Xinjiang Jinfengyuan Seed Industry Co., Ltd.

72: MIN, Ling, MA, Yizan, ZHU, Longfu, ZHANG, Zhuoyan, ZHANG, Yinbao, KONG, Jie, ZHANG, Xianlong

33: CN 31: 202410501081.7 32: 2024-04-24

54: GROUP OF VECTORS EXPRESSING PROTEINS IN YEAST CELLS AND ORGANELLE LOCALIZATION SYSTEM AND APPLICATIONS THEREOF

00: -

The present invention falls within the technical field of biology, and particularly relates to a group of vectors expressing proteins in yeast cells and an organelle localization system and applications thereof. The present invention provides a group of backbone vectors for expressing proteins in yeast cells using glucose as a carbon source and uses nucleotide sequences encoding different fluorescent proteins to facilitate rapid and specific expression of the corresponding proteins in yeast. Based on the above vectors, the present invention further provides an organelle localization system and application thereof in protein localization and constructs corresponding vectors by recombining gene sequences encoding different fluorescent protein fragments with organelle marker proteins and a target gene, thereby precisely localizing a working organelle of the target gene.

21: 2024/04699. 22: 2024/06/18. 43: 2024/12/24
51: C03C

71: Jiangsu University of Technology
72: Zhou Shilong, Hu Changzhou, Shi Hongtao, Guan Keqiang, Yang Zhou, Yang Jingjing, Xiang Meng

33: CN 31: 2024105969284 32: 2024-05-14

54: A COATING LIQUID PREPARATION PROCESS FOR A DOUBLE-LAYER ANTIREFLECTIVE FILM ON PHOTOVOLTAIC PANELS

00: -

This invention belongs to the field of coating liquid preparation technology, particularly a coating liquid preparation process for a double-layer anti-reflection film for photovoltaic panels, including the following steps: Materials required for preparing the first layer of coating liquid: silane, metal compound, water, catalyst, curing agent, and solvent. Silane is used as the main film-forming material to form a high-hardness coating, effectively improving the scratch resistance and abrasion resistance of the substrate. The silane in the coating liquid forms a good chemical bond with the substrate surface, providing excellent adhesion of the coating layer, which is not easy to peel off. The silane coating layer can resist erosion by various chemicals, exhibiting good corrosion resistance and suitability for harsh environments. The addition of metal compounds can adjust the optical properties of the coating layer, such as reflectance and transmittance, making it exhibit excellent optical performance. The preparation process of the coating liquid is simple and suitable for large-scale production. Additionally, the coating liquid has good leveling and coating

properties, facilitating the production of uniform coatings.

21: 2024/04700. 22: 2024/06/18. 43: 2024/12/24
51: C12N

71: Huazhong Agricultural University, Economic Crops Research Institute, Xinjiang Academy of Agricultural Sciences (Xinjiang Uygur Autonomous Region Cotton Research Institute, Xinjiang Uygur Autonomous Region Sugar Beet Improvement Center), Xinjiang Jinfengyuan Seed Industry Co., Ltd.

72: MIN, Ling, MA, Yizan, KONG, Jie, ZHU, Longfu, ZHANG, Yinbao, ZHANG, Xianlong

33: CN 31: 202410447189.2 32: 2024-04-13

54: COTTON S-LOCUS PROTEIN KINASE GENES AND THEIR APPLICATIONS IN REGULATING RESPONSES TO HIGH TEMPERATURE STRESS

00: -

The present invention falls within the technical field of plant genetic engineering, and particularly relates to cotton S-locus protein kinases and their applications in regulating responses to high temperature stress. In the present invention, GhHRK genes of the encoded sequence of cotton S-locus protein kinases are obtained by cloning, and important gene resources of cotton are obtained to break the bottleneck of cotton breeding. The expression of the GhHRK genes is induced to change by high temperature stress, and the GhHRK genes involve to responses of cotton anthers to the high temperature stress. By inhibiting the expression of the GhHRK genes in plants, the ability of target plants to resist high temperature stress can be improved, so as to provide technical support for breeding a high temperature stress resistant germplasm material.

21: 2024/04701. 22: 2024/06/18. 43: 2024/12/24
51: F24H; F28D; F28F
71: Lumenion GmbH

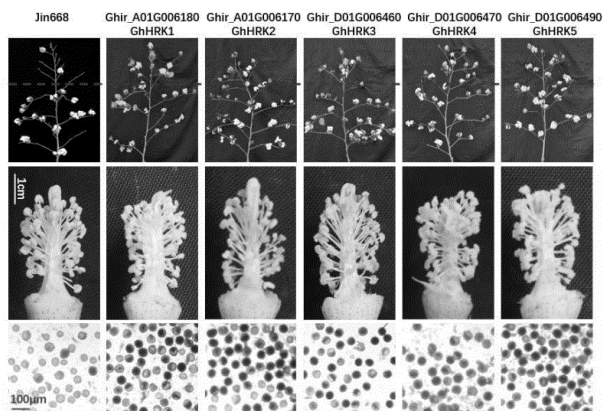
72: Kordt, Peter, Kuschminder, Eric, Jolly, Param Preet Singh, Falla Peña, Santiago

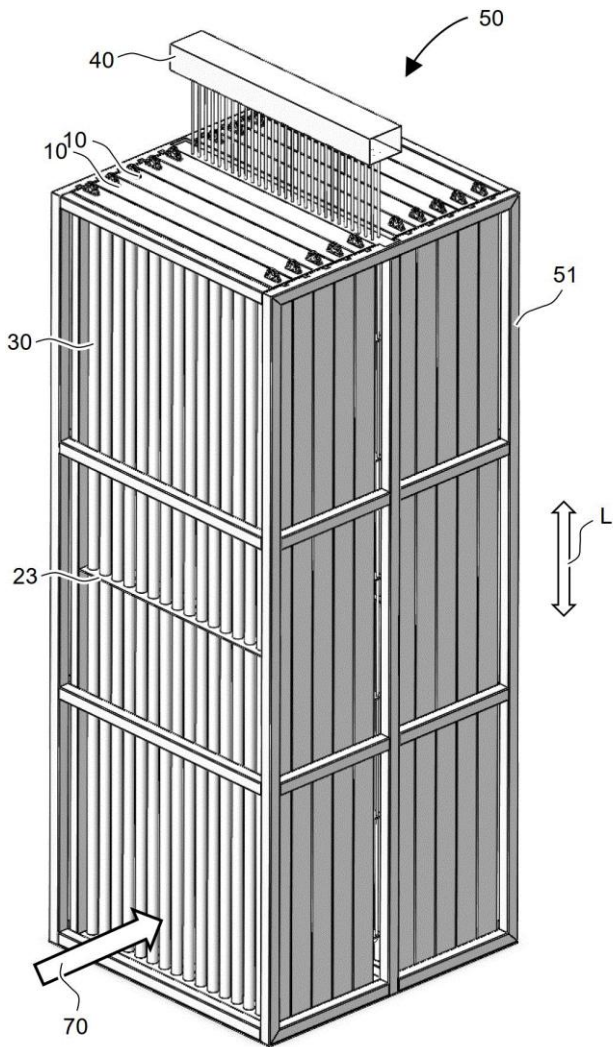
33: EP 31: 23181926.9 32: 2023-06-27

54: HEAT STORE WITH HEAT STORAGE CASSETTES

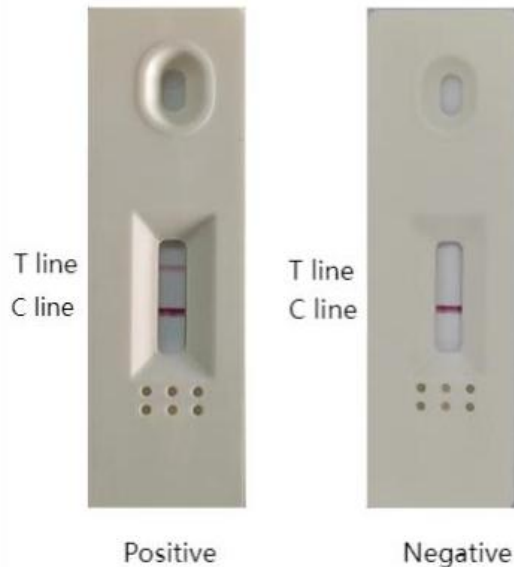
00: -

A heat storage device for storing electrical energy in the form of thermal energy comprises at least one electric heating device (40) for converting electrical energy into thermal energy and a plurality of heat storage cassettes (10). Each heat storage cassette (10) comprises a cassette frame (20) and a plurality of heat storage rods (30) held in the cassette frame (20). Each heat storage cassette (10) comprises retainers (22) for holding the heat storage rods (30) in a predetermined position, wherein at least one end (31) of each heat storage rod (30) is left unfixed so as to allow a free thermal expansion of the heat storage rods (30) in a longitudinal direction (L) of the heat storage rods (30) inside the cassette frame (20).





nucleotide sequence of the upstream primer PEFF3 is shown in SEQ ID NO.1, a nucleotide sequence of the downstream primer PEFR1G is shown in SEQ ID NO.2, and a nucleotide sequence of the probe PEFT1 is shown in SEQ ID NO.3. The primer probe group of the present invention can determine whether the sample to be tested contains *Anisakis simplex*/*Anisakis pegreffii*. It has a high sensitivity, does not require precision instruments and equipment and reduces the temperature control requirements of detection, which improves the detection efficiency and convenience, and provides technical support for the on-site detection of simple *Anisakis simplex*/*Anisakis pegreffii*.



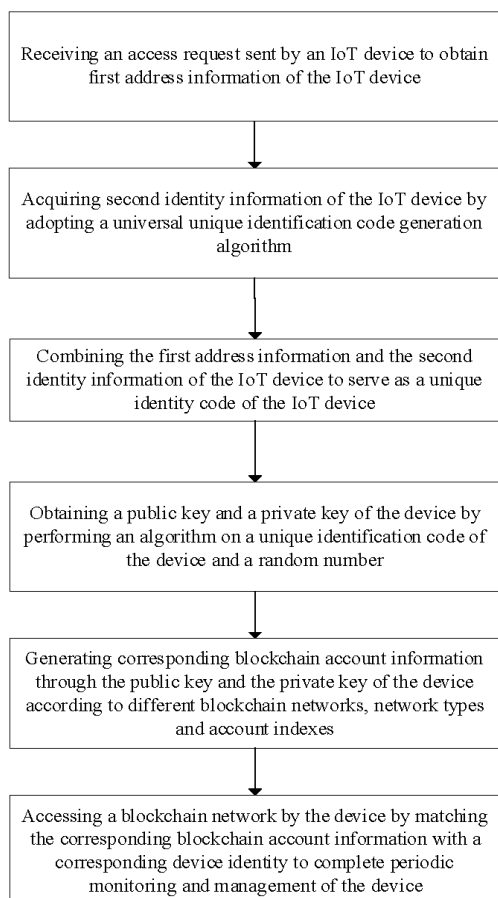
21: 2024/04702. 22: 2024/06/18. 43: 2024/12/24
 51: C12N; C12Q
 71: CHINA JILIANG UNIVERSITY, THE FIRST PEOPLE'S HOSPITAL OF XIANYANG
 72: SONG, Xiao, ZHANG, Yueqi, ZHAO, Shanshan, GUAN, Feng
 33: CN 31: 202311413011.8 32: 2023-09-23
54: RPA-LFD PRIMER PROBE GROUP AND ITS KIT FOR IDENTIFYING ANISAKIS SIMPLEX/ANISAKIS PEGREFFII AND APPLICATIONS

00: -
 The present invention relates to the technical field of parasite detection. The present invention provides an RPA-LFD primer probe group and its kit for identifying *Anisakis simplex*/*Anisakis pegreffii* and applications, including an upstream primer PEFF3, a downstream primer PEFR1G and a probe PEFT1, a

21: 2024/04704. 22: 2024/06/18. 43: 2024/12/24
 51: G06Q
 71: WEIFANG UNIVERSITY
 72: Lijun HAN, Huihui ZHANG, Renlin WANG
54: BLOCKCHAIN-BASED METHOD FOR ENCRYPTING AND IDENTIFYING IDENTITY CODE OF INTERNET OF THINGS DEVICE

00: -
 The present invention discloses a blockchain-based method for encrypting and identifying an identity code of an Internet of Things (IoT) device, and relates to the technical field of Internet of Things. The method comprises: receiving an access request sent by the IoT device to obtain first address information of the IoT device; acquiring second identity information of the IoT device by adopting a

universal unique identification code generation algorithm; combining the first address information and the second identity information of the IoT device to serve as a unique identity code of the IoT device; obtaining a public key and a private key of the device by performing an algorithm on a unique identification code of the device and a random number; generating corresponding blockchain account information through the public key and the private key of the device according to different blockchain networks, network types and account indexes; and accessing a blockchain network by the device by matching the corresponding blockchain account information with a corresponding device identity to complete periodic monitoring and management of the device. According to the present invention, the effective management of an identity of an IoT device by an IoT platform can be realized, and the identity security of the IoT device is improved.



21: 2024/04705. 22: 2024/06/18. 43: 2024/12/24
51: B09C; C04B; C05F

71: WUHAN ACADEMY OF AGRICULTURAL SCIENCES

72: LUO, Xi, CHENG, Weishun, CHEN, Gang, HONG, Juan, DU, Lei, ZHANG, Lihong, JIANG, Li, YE, Lixia

33: CN 31: 202410729535.6 32: 2024-06-06

54: COMPOUND PASSIVATOR FOR HEAVY METAL CONTAMINATED SOIL IN TRADITIONAL CHINESE MEDICINAL MATERIAL LAND, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention discloses a preparation method of a compound passivator for heavy metal contaminated soil in traditional Chinese medicinal material land, comprising the following steps: (1) conducting wet granulation for plant materials, natural mineral powder and fly ash to obtain prefabricated particles with a diameter range of 5-10 mm; (2) putting the prefabricated particles into a high-temperature sintering furnace, introducing high-purity nitrogen, maintaining nitrogen pressure in a hearth at 30-40 Pa, raising the temperature to 1000°C firstly at 3-5°C/min, holding the temperature for 0.5-1 h, and conducting primary sintering; (3) then, rapidly heating the particles after primary sintering at 8-10°C/min to 1300°C for constant temperature sintering for 1-2 h, conducting secondary sintering, then cooling to be less than 200°C and taking out of the furnace to prepare a soil compound passivator

21: 2024/04706. 22: 2024/06/18. 43: 2024/12/24
51: G09B

71: Yan an University

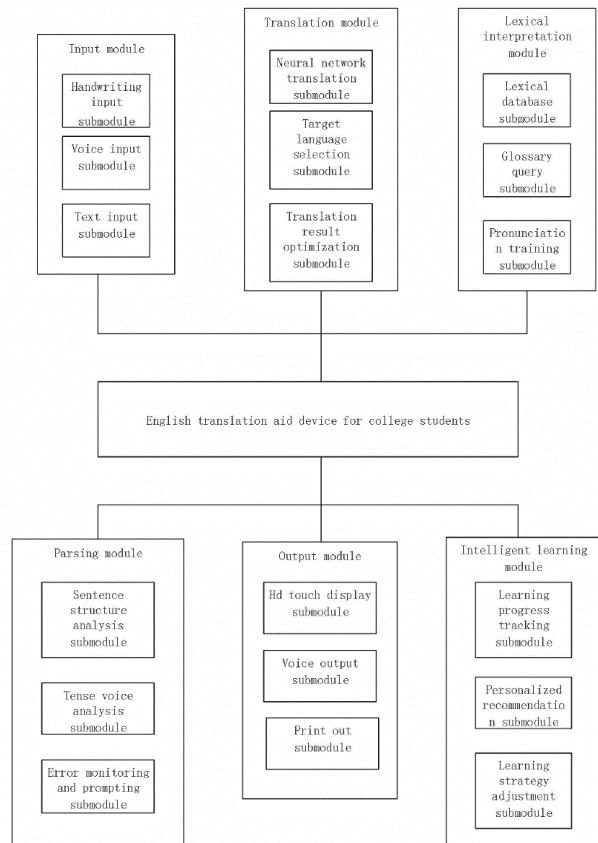
72: Zhang Jie, Wang Xiaohan, Liang Li e, Chao Yan 33: CN 31: 2024105879663 32: 2024-05-13

54: A COLLEGE STUDENT ENGLISH TRANSLATION LEARNING AID DEVICE

00: -

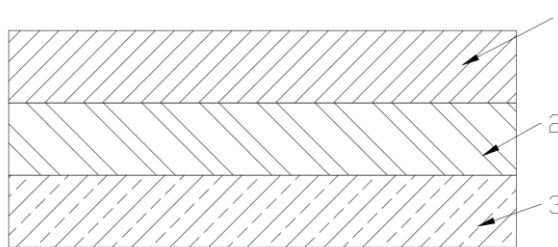
This invention provides a comprehensive, accurate, and personalized English translation learning aid for college students. The device comprises an input module for receiving the user's input English text, a translation module for automatically translating the input English text into the target language, a vocabulary explanation module for providing in-depth explanations of the vocabulary in the original text and detailed analysis of the grammatical structure, an output module for displaying the translation results, vocabulary explanations, and grammar analysis results to the user via a high-

definition display screen, and an intelligent learning module for intelligently recommending relevant learning materials and exercises based on the user's learning progress and feedback, providing personalized learning suggestions and improvement plans for the user. This invention meets the diverse needs of college students in English learning by offering a multifunctional, precise, and personalized English translation learning aid.



21: 2024/04707. 22: 2024/06/18. 43: 2024/12/24
 51: A01G
 71: State Key Laboratory of Nutrient Use and Management, Shandong Institute of Pomology
 72: LI Huifeng, NIE Peixian, DU Dongliang, YAN Zhenhua, HU Bin, LI Fangdong
54: NOVEL AGRICULTURAL LAND COVER
 00: -
 The invention discloses a novel agricultural land cover, and relates to the technical field of agricultural land covers. The invention includes a cotton felt layer, a horticultural floor cloth layer, and a gas-permeable but water-impermeable film layer between the cotton felt layer and the horticultural

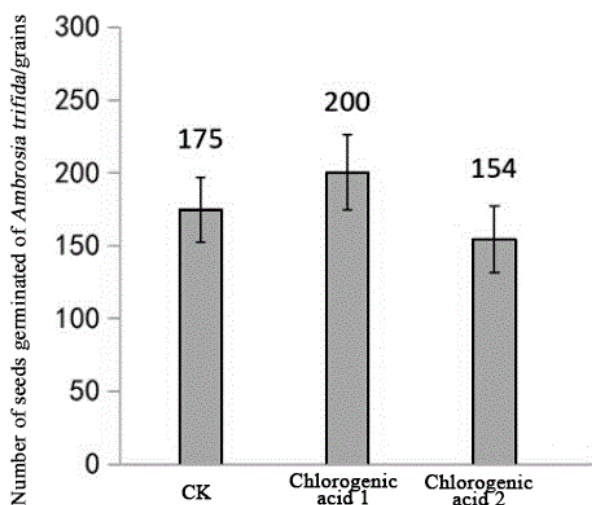
floor cloth layer; Among them, the cotton felt layer is used to maintain soil moisture, the horticultural floor cloth layer is used to prevent weeds from growing and maintain soil structure, and the film layer is used to optimize soil permeability and water retention capacity. By combining the horticultural floor cloth layer and the cotton felt layer, the invention not only maintains the water permeability and ventilation of the soil, but also provides sufficient moisture retention, and obviously improves the efficiency of soil management and the growth quality of aboveground crops compared with the prior art. By adding a gas-permeable but water-impermeable film layer between the horticultural floor cloth layer and the cotton felt layer, the soil environment is further optimized, and the air permeability and water retention capacity of the soil are improved.



21: 2024/04708. 22: 2024/06/18. 43: 2024/12/24
 51: C05F
 71: SHIHEZI UNIVERSITY
 72: WANG Hanyue, LIU Tong, DONG Shengtianzi, ZHAO Wenxuan, QIN Tiantian
54: METHOD FOR EFFECTIVELY PREVENTING AND CONTROLLING AMBROSIA TRIFIDA BY COMBINING ABOVEGROUND AND UNDERGROUND
 00: -

The invention belongs to the technical field of biological prevention and control, and relates to a method for effectively preventing and controlling Ambrosia trifida by combining aboveground and underground. According to the invention, chlorogenic acid solution is used to infiltrate soil 10-15 days before the germination of Ambrosia trifida seeds, so as to promote the germination of Ambrosia trifida seeds; then, when Ambrosia trifida is in vegetative growth period, 21 percent mass concentration of chlorpyrifos is sprayed to kill Ambrosia trifida in vegetative growth period, so as to achieve the effect of effectively preventing and controlling Ambrosia trifida by combining aboveground and underground.

According to the invention, the allelochemicals of *Ambrosia trifida* can promote seed germination at a low concentration, so that a reagent is prepared, and the reagent is applied in the early stage of germination to promote a large number of seeds to germinate, so that the underground seed bank of *Ambrosia trifida* is consumed, and the chemical prevention and control efficiency in that year is improved. At the same time, due to a large number of seedlings, the mortality rate of *Ambrosia trifida* species is increased. Comprehensively play that role of reducing the prevention and control cost, reduce the prevention and control time and polluting the environment.

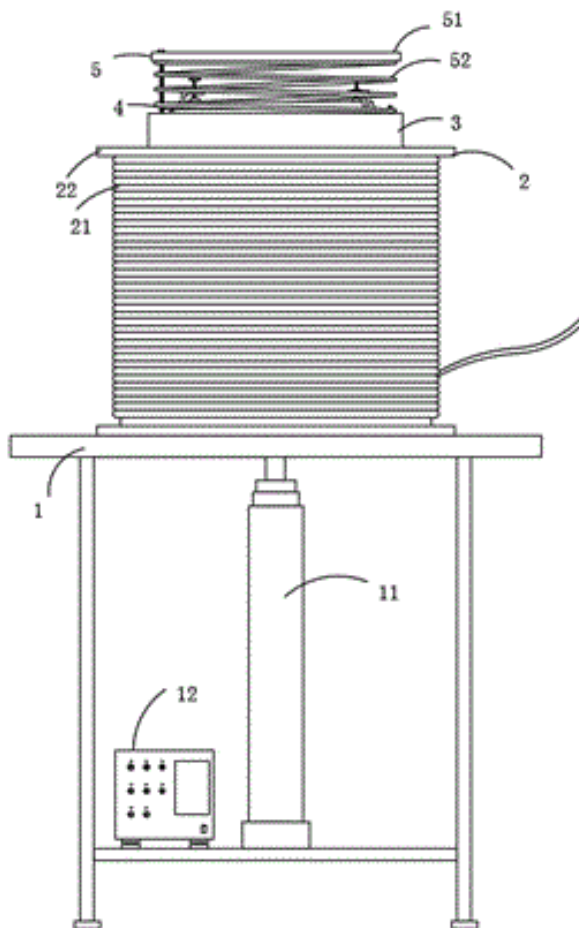


21: 2024/04709. 22: 2024/06/18. 43: 2024/12/24
 51: C23C
 71: Tongling University, Anhui Zhongke Chungu Laser Industry Technology Research Institute Co., Ltd
 72: WANG, Dongsheng, SUN, Jian, ZHANG, Chao, YANG, Youwen, LI, Zansong, GAO, Xuesong, LI, Rong
 33: CN 31: 2024105506615 32: 2024-05-06

54: DEVICE AND METHOD FOR HIGH-CONTENT CERAMIC PARTICLE-REINFORCED EUTECTIC HIGH-ENTROPY ALLOY COMPOSITE COATING ASSISTED BY LASER CLADDING

00: -
 The present invention provides a device and method for high-content ceramic particle-reinforced eutectic high-entropy alloy composite coating assisted by laser cladding, comprising a support, wherein an auxiliary magnetic field mechanism is installed on the top of the support, the interior of the auxiliary

magnetic field mechanism is slidably connected to an adjustment mechanism and a heating mechanism, the adjustment mechanism comprises a storage cylinder, the output shaft of the motor on the sidewall of the storage cylinder is connected to a first screw rod, the output shaft of the motor on the sidewall of the second fixing ring is connected to a second screw rod; the first screw rod is threadedly connected to the second fixing ring, the second screw is threadedly connected to the first fixing ring, the spiral induction heating coil is installed between the first fixing ring and the second fixing ring, and a connecting mechanism is installed between the second fixing ring and the fixing mechanism; the a device and method for high-content ceramic particle-reinforced eutectic high-entropy alloy composite coating assisted by laser cladding provided by the present invention possess the advantage of effectively avoiding cracking in the coating.



21: 2024/04710. 22: 2024/06/18. 43: 2024/12/24

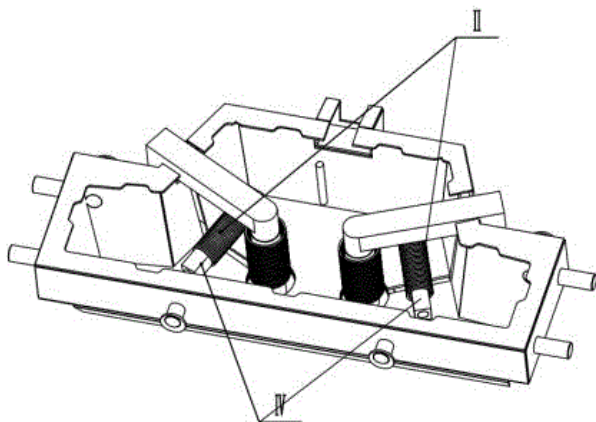
51: B22D

71: Kunming University of Science and Technology
 72: Bing Yi, Guifang Zhang, Qi Jiang, Peng Yan, Xiaoliang Wang, Daiwei Liu, Xincheng Pang, Zhixiang Xiao, Li Zhang, Weidong Zhao, Yuandong Yan, Jincai Li

54: A MULTI-FORM INDUCTION HEATER COOPERATIVE MODULATION TUNDISH

00: -

The invention belongs to the technical field of continuous casting metallurgy, in particular to a multi-form induction heater cooperative modulation tundish. The multi-form induction heater cooperative modulation tundish is composed of induction heater A, induction heater B, flow steel channel, tundish shell, refractory material and temperature measuring system. The induction heater A is composed of an iron core, a set of coils, an insulating refractory material and a temperature monitor. The induction heater B is composed of a set of coils, an insulating refractory material and a temperature monitor. The invention can add at least 2 sets of induction heater B to the equipment, increase the heating equipment to 4 sets or more, and realize the high-power heating of the equipment without greatly changing the tundish structure; Or it can reduce the power of a single set of equipment, reduce the size of the equipment, and increase the life of the equipment while maintaining the original power level.



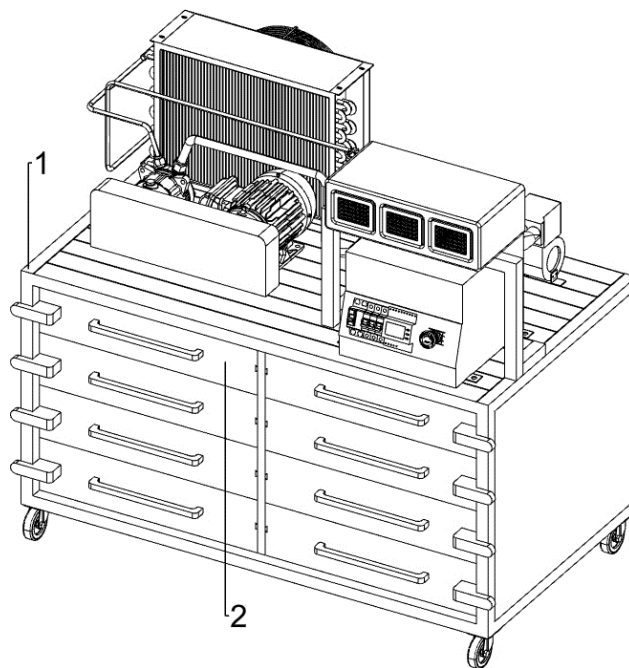
21: 2024/04711. 22: 2024/06/18. 43: 2024/12/24
 51: G09B

71: Kunming Metallurgy College
 72: Zhongbo Hao

54: A MECHATRONICS PRACTICAL TRAINING PLATFORM AND AN OPERATION METHOD

00: -

The invention discloses a mechatronics practical training platform and an operation method, which relates to the technical field of mechatronics practical training. It includes a supporting part, a storage part and a matching part, through the instruments on the operation platform, mechatronics practical training operation, when we need to use supporting tools and other items, pull out the slot by the handle. When changing different placement slot, pull the other slot by the side handle, and connect the placement slot by the connecting rope of the matching part. This automatically retracts the slot that has been pulled out. It will not block the placement slot on the lower side, and will not tilt the center of gravity of the operation platform and tip over. The two groups of placement slots on both sides work independently and can pull out either side at the same time.



21: 2024/04712. 22: 2024/06/18. 43: 2024/12/24

51: A23L; A61K

71: SUPRAPHARM CC

72: TERPIZIS, COSTAS LAMBROS, TERPIZIS, DIMITRI JOHN

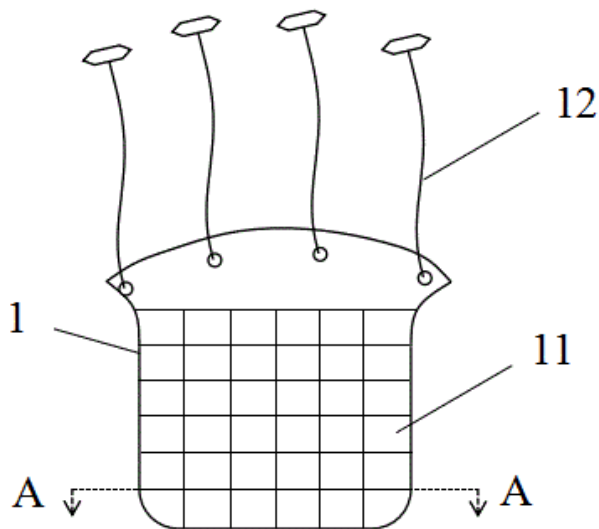
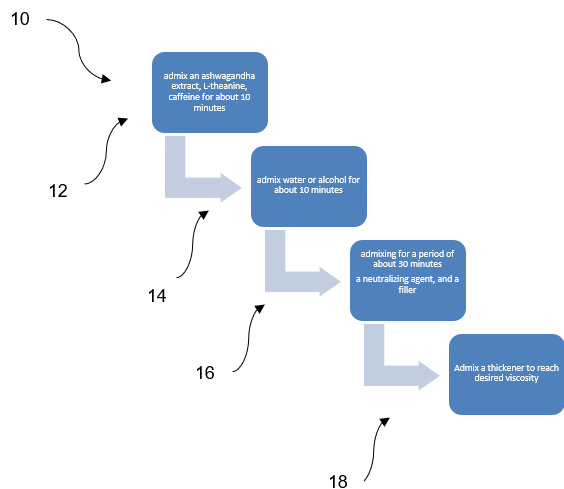
33: ZA 31: 2023/06582 32: 2023-06-27

54: COMPOSITION AND METHOD TO ENHANCE COGNITIVE ABILITY WHILST ELEVATING ENERGY LEVELS

00: -

A composition, and a method of manufacturing same, is disclosed for enhancing cognitive ability

whilst elevating energy levels. The composition comprises a first plant extract from the flowering plant family Theaceae; a preparation of the methylxanthine class in a therapeutic effective amount to elevate energy levels; and an adaptogen formulated in a therapeutic effective amount to lower cortisol levels released by adrenal glands.



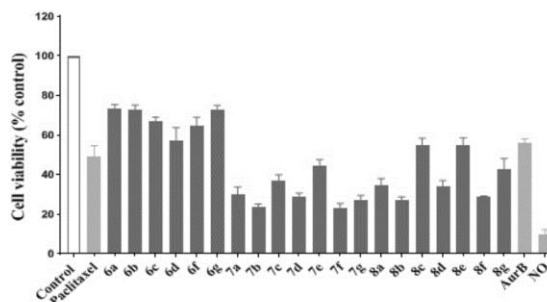
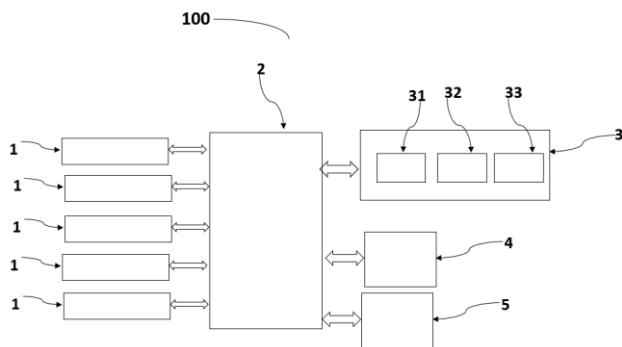
21: 2024/04714. 22: 2024/06/18. 43: 2024/12/24
 51: C04B
 71: Jingdezhen Ceramic University
 72: Shi Jijun, Sun Guoliang
 33: CN 31: 2023107260808 32: 2023-06-19
54: ZIRCONIA CERAMIC MICROBEAD AND PREPARATION METHOD THEREOF
 00: -

The invention discloses a zirconia ceramic microbead and preparation method thereof, which belong to the technical field of ceramic materials. The green body of zirconia ceramic bead with a particle size of submillimeter is prepared by using the liquid phase method of gel casting of acrylamide system, and provides a ball core with suitable size for the invention; the in-situ precipitation of zirconia precursors $Zr(OH)_4$ and $Y(OH)_3$ is carried out on the surface of the zirconia ceramic microbead green body by using an in-situ immobilization method, and the zirconia ceramic microbead with the core-shell structure is formed by high-temperature calcination. Due to the high specific surface energy, high surface activity, and improved surface sintering performance of nano zirconia, the surface density of zirconia ceramic microbead is improved, leading to an improvement in their wear resistance.

21: 2024/04715. 22: 2024/06/18. 43: 2024/12/24
 51: G06Q
 71: Dr. Murugesan Selvam, Dr. Gengatharan Ramesh, Dr. Anthonisamy Ananth, Dr. J.M. Velmurugan, Dr. Santanu Dasgupta, Mr. Asik Rahaman Jamader
 72: Dr. Murugesan Selvam, Dr. Gengatharan Ramesh, Dr. Anthonisamy Ananth, Dr. J.M. Velmurugan, Dr. Santanu Dasgupta, Mr. Asik Rahaman Jamader

54: SUSTAINABLE FINANCIAL SYSTEM USING IOT FOR DETECTION OF FAKE LINKS AND SUPPORT SECURE TRANSACTION

00: -
 The present invention discloses a sustainable financial system using Internet of Things (IoT) devices for detecting fake links and supporting secure transactions. The system includes multiple IoT devices connected to a central processing unit, equipped with intelligent circuits for protection against electrical issues, and modules for link detection and secure transactions. The link detection module utilizes databases and deep learning algorithms to identify malicious content, while the secure transaction module ensures the legitimacy of links and alerts users of potential threats. The system enhances security in financial applications, integrating with existing platforms and providing real-time protection.



21: 2024/04717. 22: 2024/06/18. 43: 2024/12/24
51: C07K

71: ZHEJIANG CANCER HOSPITAL, ZHEJIANG UNIVERSITY OF TECHNOLOGY

72: FANG, Luo, ZHAN, Zhajun, ZHU, Junfeng, DING, Haiying, XIN, Wenxiu, WANG, Jiaqi, SONG, Yu

54: NO-S-S-AURB CONJUGATE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present disclosure relates to an NO-S-S-AurB conjugate and a preparation method of the NO-S-S-AurB conjugate, and an application of the NO-S-S-AurB conjugate in drugs with anti-TNBC activity and selectivity, and belongs to the technical field of medicines. According to the present disclosure, the NO-S-S-AurB conjugate is synthesized based on a self-immolative strategy, a twin drug is prepared by combining a benzenesulfonylfuraxan nitric oxide (NO) donor and AurB, a plurality of NO-S-S-AurB conjugates are synthesized, and structures of the NO-S-S-AurB conjugates are determined through spectral characterization. The preparation method of the NO-S-S-AurB conjugate is provided, a route is reasonable, and the product is high in yield, convenient to separate and high in purity. Since tumour tissue has the characteristic of high glutathione (GSH) expression, anti-TNBC activity and selectivity of the mother drug AurB are significantly improved by means of GSH-sensitive disulfide-based self-immolative linkers of this series of NO-S-S-AurB conjugates.

21: 2024/04753. 22: 2024/06/19. 43: 2024/12/24
51: E21F

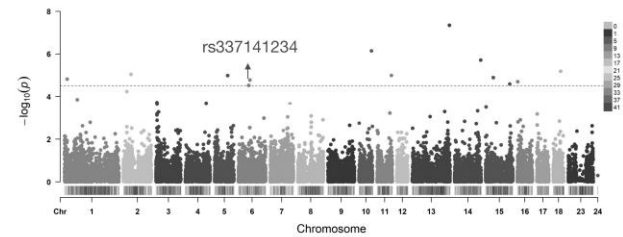
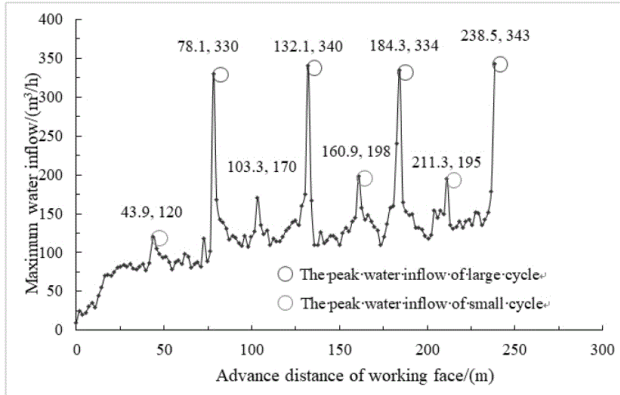
71: SUZHOU UNIVERSITY

72: HU, Ru, JIANG, Chuang, GUO, Xiaoyan, ZHAO, Mingkun, GUO, Yan

54: METHOD FOR IDENTIFYING AND PREVENTING WATER DISASTERS IN UNDERGROUND BED SEPARATION

00: -

The present invention relates to the recognition and prevention of types of water disasters in coal mines, specifically a method of identifying and preventing water disasters in underground bed separation, which comprises the following steps:determination of whether overlying rock layers in a gob have conditions to form bed separation water;classification of hazard classes of bed separation water;determination of location of a bed separation space;identification and probing of a bed separation space;calculation of the relationship between breakage of overburden rocks and periodic water inflow at the working face;Prevention and control of bed separation water. In the present invention, a “trapezoidal platform” model for the damage of overlying rock is applied to the positioning of a bed separation space for the first time, and a plate theory for the breakage of rock layers is introduced, which can more accurately predict a spatial development location of bed separation water and a water inflow law of bed separation water, and provides a more reliable basis for the management of bed separation water.



21: 2024/04754. 22: 2024/06/19. 43: 2024/12/24
51: C12Q

71: Institute of Subtropical Agriculture, Chinese Academy of Sciences

72: Kang XU, Yulong YIN, Xiaoxiao DENG, Yawei FU, Hu GAO

54: A SNP MOLECULAR MARKER ASSOCIATED WITH DUROC IMF CONTENT

00: -

The invention relates to a SNP molecular marker associated with Duroc IMF content, using this molecular marker to provide guidance for Duroc breeding can accurately and efficiently predict IMF content and typing, this use can also identify and screen pig breeds with high IMF content and excellent meat quality, and improve breeding efficiency. The sequencing primer pair and KASP primer pair for detecting SNP molecular marker associated with Duroc IMF content are provided, the primer pair has strong specificity and high accuracy, and can accurately obtain the sequence containing the SNP molecular marker loci of the invention, it can be applied to the breeding of Duroc pork quality and efficiently identify the level of IMF content, the designed primer pair can be applied to high-throughput SNP typing platform, high-throughput KASP detection platform and other platforms, it can also be applied to large-scale population breeding and analysis.

21: 2024/04755. 22: 2024/06/19. 43: 2024/12/24
51: A01C

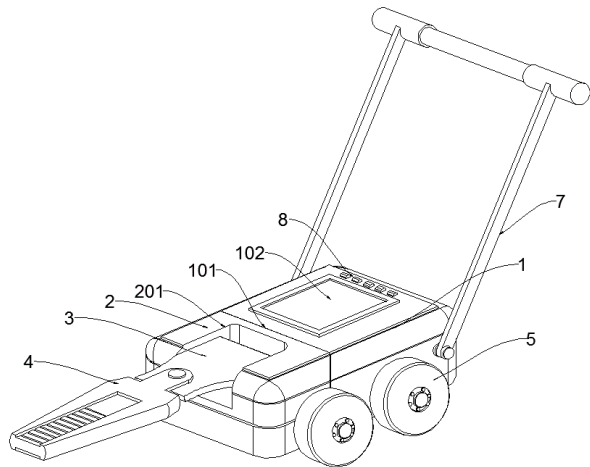
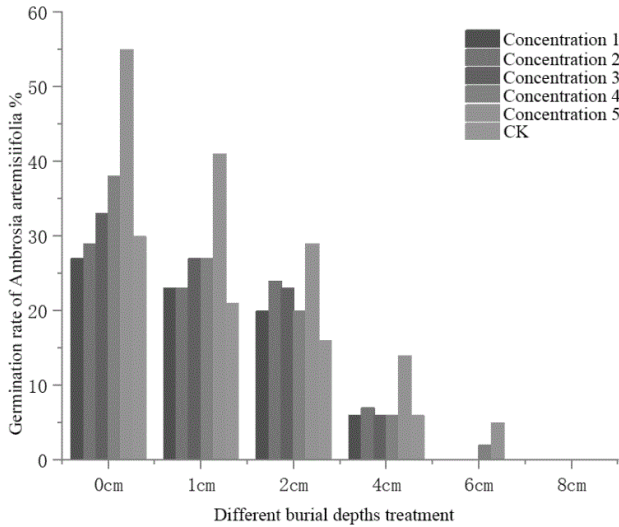
71: SHIHEZI UNIVERSITY

72: LIU Tong, DONG Shengtianzi, WANG Hanyue, ZHAO Wenxuan, QIN Tiantian

54: METHOD FOR PROMOTING SOIL SEED GERMINATION AND RAPIDLY CONSUMING AMBROSIA ARTEMISIIFOLIA UNDERGROUND SEED BANK

00: -

The invention belongs to the technical field of biological invasion prevention and control, and relates to a method for promoting soil seed germination and rapidly consuming *Ambrosia artemisiifolia* underground seed bank. According to the invention, vanillin is prepared into a solution with the concentration of 0.01-0.2 mg/L, and then the vanillin solution is used to infiltrate the soil before the *Ambrosia artemisiifolia* seeds germinate, so as to promote the *Ambrosia artemisiifolia* seeds to germinate. Aiming at the problem that the annual invasive plants such as *Ambrosia artemisiifolia* can only kill the plants in the same year, but there are still a large number of seeds in the soil, which needs continuous drug treatment for many years in the later period, the invention prepares vanillin into a solution with the concentration of 0.01-0.2 mg/L, and irrigates the soil in the invaded area before the *Ambrosia artemisiifolia* seeds germinate, so as to promote the germination of the persistent seeds in the *Ambrosia artemisiifolia* soil, further rapidly consume the *Ambrosia artemisiifolia* underground seed bank, improve the *Ambrosia artemisiifolia* prevention and control efficiency, and shorten the prevention and control time period and cost.



21: 2024/04756. 22: 2024/06/19. 43: 2024/12/24
 51: G01B
 71: Nantong Institute of Technology, Nantong
 Wanbo surveying and mapping consulting co., LTD
 72: Zhang Chengyue, Zhu Gesheng, Gu Jian, Lv
 Xiao

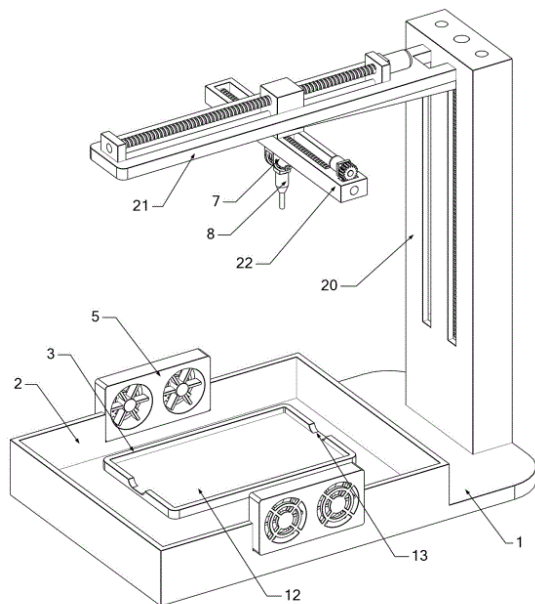
54: A MEASURING DEVICE FOR BUILDING PIPELINES

00: -
 The present invention discloses a building pipeline measurement device, which belongs to the field of pipeline measurement technology. There are push rods on both sides of the measuring instrument body, and two rollers on both sides of the measuring instrument body. The front end of the measuring instrument body is provided with a groove 1, and the lifting platform is located in the groove 1. The front end of the lifting platform is provided with an opening, and a movable plate is connected to the opening. The front end of the movable plate is connected to a probe plate. The present invention solves the problem that the existing pipeline measurement device is not suitable for large-scale measurement in the construction field, increases the workload of workers, and reduces measurement efficiency. The detection head used for detection is separated from the measuring instrument body through a lifting platform, and a movable lifting combined with the rotation function of the rotating rod is used to increase the detection area of the detection head during measurement, which is more conducive to large-scale use in the construction field. At the same time, it replaces manual operation by workers to improve measurement efficiency.

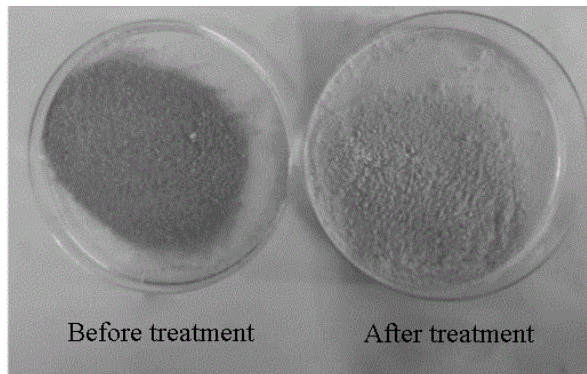
21: 2024/04757. 22: 2024/06/19. 43: 2024/12/24
 51: C03C
 71: Zhejiang Green Glass Industry Co., Ltd.
 72: Weijun Jiang, Dongbao Lei, Fen Ren, Zhongbiao
 Zhong, Yanhong Wu

54: AUTOMATIC SEALING DEVICE FOR INSULATING GLASS EDGES

00: -
 The invention belongs to the technical field of insulating glass processing, and specifically relates to an automatic sealing device for insulating glass edges. The invention provides an automatic sealing device for insulating glass edges, including a base, a placing groove is provided on one side above the base, and a three axis moving mechanism is provided on an other side; a placing platform is provided on an inner side of the placing groove, and the placing groove located underneath the placing platform is rotatably connected to a first driving motor, and a plurality of fans are provided on two sides of the placing groove; a mobile platform is provided at a bottom of the three-axis moving mechanism; a movable platform is provided at a bottom of the mobile platform, and a glue gun is rotatably connected underneath the movable platform. Two edges of the movable platform are provided with limit sliding slots, and two sides of the glue gun are connected with nuts by means of a stud passing through the limit sliding slots.



adsorbent with excellent dye adsorption performance is prepared through a series of steps such as acidic ethanol, so that the removal rate of dyes in dye wastewater is greatly improved.



21: 2024/04758. 22: 2024/06/19. 43: 2024/12/24
 51: B01J
 71: Zhejiang Academy of Agricultural Sciences, Chun'an County Jiesshou Township People's Government Comprehensive Service Center, Zhejiang Yuanjian Biopharmaceutical Co., Ltd, Hangzhou Xingbao Mushroom Specialized Cooperative
 72: LV Guoying, ZHANG Zuofa, WANG Mengyu, ZHAO Ruimeng, LAN Liuxin, CHEN Jinrong, WANG Fugen

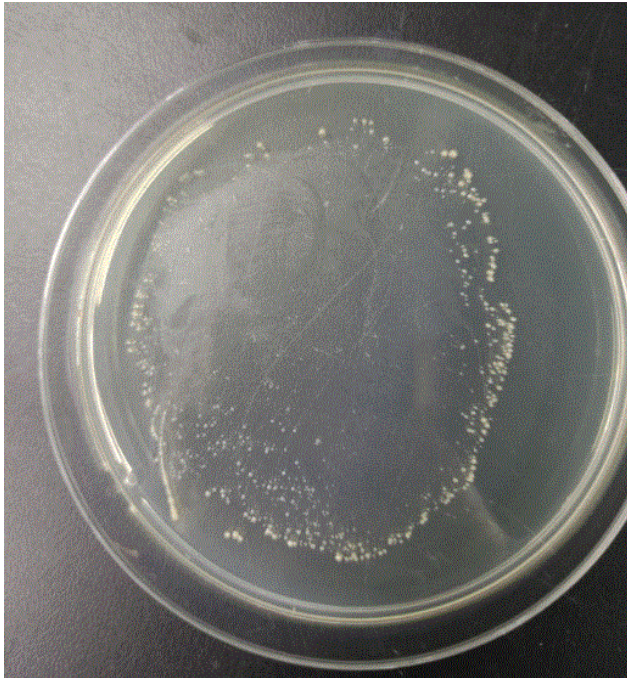
54: NOVEL DYE ADSORBENT AND PREPARATION METHOD THEREOF

00: -
 The invention disclose a novel dye adsorbent and a preparation method thereof, belonging to that technical field of wastewater treatment. A dye adsorbent prepared by using Sparassis crispa fruiting body residue, including acid ethanol pretreatment, sodium hypochlorite treatment and freeze drying; the dye adsorbent prepared by using the Sparassis crispa fruiting body residue to prepare the dye adsorbent; the invention relates to a method for treating dye wastewater, which includes the following steps: adding the dye adsorbent into dye-containing wastewater under stirring, and carrying out adsorption reaction at normal temperature and natural pH; and then solid-liquid separation is carried out to obtain treated effluent. According to the invention, the agricultural waste, namely, Sparassis crispa fruiting body residue after polysaccharide extraction, is used as a raw material, and the dye

21: 2024/04759. 22: 2024/06/19. 43: 2024/12/24
 51: C12N
 71: Shandong Academy of Agricultural Sciences
 72: Fei Bian, Pengfei Ren, Donghui Li, Ning Zheng, Gao Chen, Deyuan Ma, Yan Zhang, Jinhui Yu
 33: CN 31: 202410703852.0 32: 2024-06-03

54: A BACTERIUM STRAIN OF (GYMNODINIALIMONAS) SP. 57CJ19 AND ITS APPLICATIONS

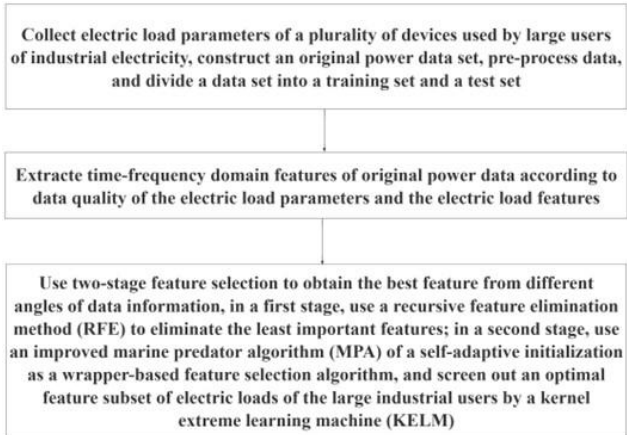
00: -
 This invention pertains to the field of microbiology and ecological restoration technologies, specifically involving a bacterial strain (*Gymnodinialimonas*) sp. 57CJ19 and its applications. This bacterial strain is preserved at the China General Microbiological Culture Collection Center under the accession number CGMCC No. 30521. When this bacterial strain was inoculated into a PHBA-stressed medium and cultured, the results demonstrated its ability to utilize PHBA for growth. Within less than 10 hours of inoculation, the strain showed significant proliferation, and the PHBA concentration rapidly decreased. After approximately 30 hours of cultivation, the PHBA concentration was reduced to half of its original level, proving the excellent degradation efficiency of *G. sp. 57CJ19* for PHBA.



21: 2024/04760. 22: 2024/06/19. 43: 2024/12/24
 51: G01R; H02J; G06Q
 71: STATE GRID FUYANG POWER SUPPLY COMPANY, ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
 72: WU, Youzhong, NIE, Shiguang, TANG, Lei, PANG, Qingqing, LIU, Zhitian, LI, Xia, YANG, Mingfang, WANG, Zhenyun, YAN, Yan, GONG, Yanyan, ZHOU, Mengran, HU, Feng, ZHU, Ziwei, WANG, Kun
 33: CN 31: 2024105310281 32: 2024-04-29
54: SCREENING METHOD FOR ELECTRIC LOAD FEATURES OF LARGE INDUSTRIAL USERS

00: -
 The present invention discloses a screening method for electric load features of large industrial users, falling within the technical field of industrial electric load. The method includes the following steps: S-1: collecting electric load parameters of a plurality of devices used by large users of industrial electricity, constructing an original power data set, pre-processing data, and dividing a data set into a training set and a test set; and S-2: extracting time-frequency domain features of original power data according to data quality of the electric load parameters and the electric load features. The more comprehensive data collection and a plurality of time-frequency domain features enable us to fully understand the electric load features from a plurality of dimensions. This comprehensiveness is helpful in

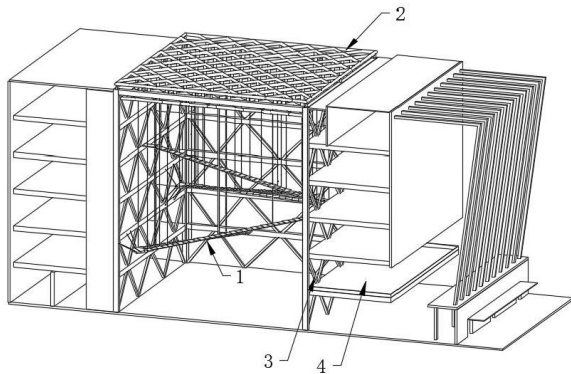
describing complex load fluctuations and patterns more accurately.



21: 2024/04766. 22: 2024/06/19. 43: 2024/12/24
 51: E02B
 71: 2ND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION 5TH ENGINEERING BUREAU
 72: ZHENG, Zhitao, LI, Sheng, DENG, Hongliang, SHEN, Wenbing, LI, Chuang, PENG, Wanjun, SHI, Xuguang, XIE, Fumei
 33: CN 31: 2024104365450 32: 2024-04-11
54: SPATIAL THREE-DIMENSIONAL SUSPENSION CORRIDOR AND METHOD FOR OPTIMIZING SAME

00: -
 Disclosed is a spatial three-dimensional suspension corridor, including a suspension corridor body connected between indoor floor aisles. Edges of the indoor floor aisles are all provided with oblique crossing latticed columns. The suspension corridor body includes a plurality of fixed sections and a plurality of deck sections from top to bottom. The fixed sections or corner sections are all connected to the corresponding deck sections through joint connecting members. On the basis of preliminary understanding of the stress performance of a corridor structure through partially implementable experiments, the present invention also establishes a corridor simulation model, continuously optimizes model parameters for repeated debugging, then performs preliminary stress performance calculation and compares same with previous partial experimental results; if results are very similar to the experimental results, it is proven that the model is comparatively superior, i.e. an optimized model is obtained; then other more complex performances of the corridor are analyzed by means of the model.

The purpose of optimization of the present invention is to make the structure and stress of an aerial corridor safer, more reliable, and more comfortable.



21: 2024/04767. 22: 2024/06/19. 43: 2024/12/24
 51: E02B
 71: 2ND CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION 5TH ENGINEERING BUREAU, CHINA CONSTRUCTION FIFTH ENGINEERING DIVISION CORP., LTD.

72: ZHENG, Zhitao, LI, Chuang, DENG, Hongliang, LI, Sheng, SHEN, Wenbing, CHEN, Honggen, SHI, Xuguang, XIE, Fumei

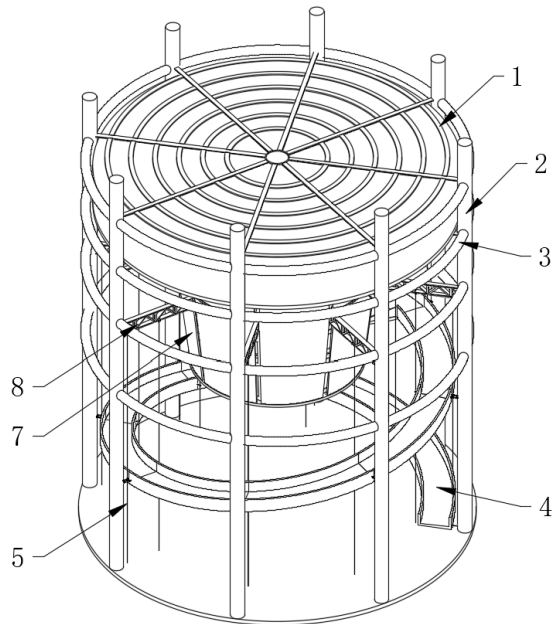
33: CN 31: 2024104365357 32: 2024-04-11

54: SPATIAL SUSPENSION CORRIDOR FOR INDOOR VENUE AND HOISTING AND UNLOADING METHOD THEREFOR

00: -

Disclosed are a spiral suspension corridor for an indoor venue and a hoisting and unloading method therefor. The spiral suspension corridor for an indoor venue includes a bridge body, mounted in a venue and arranged spirally upward. The bridge body is divided into a plurality of deck sections from top to bottom, an initial position is connected to a suspended visiting room arranged at a top of the venue, and an end position is connected to a ground through a multistage shock absorption apparatus. The present invention arranges a primary support system, a secondary support system, and corresponding unloading control systems. After the hoisting of components of the corridor is completed, the primary support system and the secondary support system are unloaded by a cooperatively graded circulation method from top to bottom, and the removal of the support systems is completed. An aerial corridor is transitioned reliably from a temporary support state to a self-bearing stress state of the corridor, so that the overall stability of the

aerial corridor is effectively guaranteed, structural destruction and damage caused by concentrated stress of the support systems and load sudden change of suspension rods in an unloading process are avoided, and the safety and comfortability of the aerial corridor in service are ensured.



21: 2024/04770. 22: 2024/06/19. 43: 2024/12/24
 51: C04B

71: YUMMET LLC

72: ZIMMERMAN, Brittany, L., COGSWELL, Christopher, F., MACDONALD, Kevin, A.

33: US 31: 63/284,399 32: 2021-11-30

54: A CEMENTITIOUS MATERIAL BINDER AND METHODS AND SYSTEMS FOR PRODUCING THE SAME WHICH DO NOT RELY ON A SURFACE-ALONE REACTION

00: -

Methods and systems for producing cement binder without wall packing or interfacial transition zones are provided. A metal hydroxide is reacted with a silicate to produce a silicate precursor. The silicate precursor is then mixed with aluminosilicate material which forms a condensation reaction directly in the solution, resulting in a binder that does not rely on a surface-alone reaction.

21: 2024/04774. 22: 2024/06/19. 43: 2024/12/24
 51: B26D

71: LINQUAN HENGDA FOODSTUFF CO., LTD.

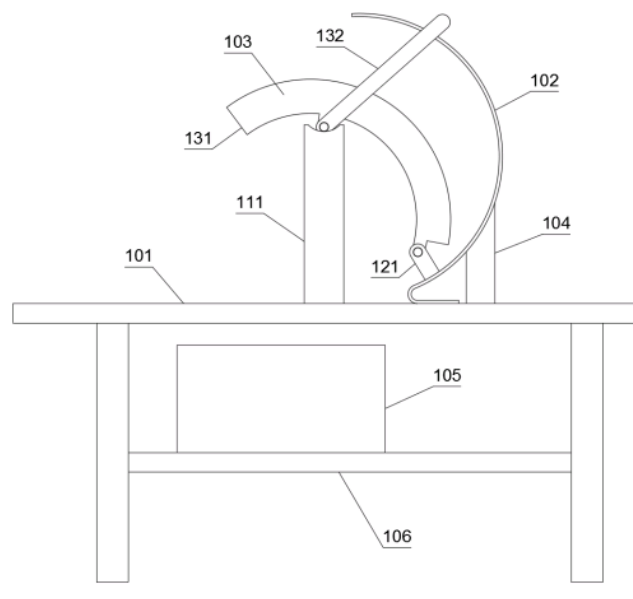
72: Wu Junfeng

33: CN 31: 202310335471.7 32: 2023-03-31

54: ROOT VEGETABLE SLICER

00: -

Disclosed is a root vegetable slicer. The root vegetable slicer includes a table board, a curved slicing plate and a slicing holder, where the curved slicing plate is welded to an upper surface of the table board, and a reinforcing beam is welded between a right side of the curved slicing plate and the table board. In the solution, a swing type slicing method is used to slice root vegetables from bottom to top; during slicing, the vegetables are put in through a feed port, and the vegetables are arranged between slicing tools and the curved slicing plate; then, a hand holds a slicing handle, and the slicing handle is pulled towards a right rear, such that the slicing tools slice the vegetables under the action of a pulling force; and in the whole slicing process, an operator is far away from the slicing tools and is only required to hold the slicing handle, and the curved slicing plate also isolates the operator from the slicing tools, such that a safer effect is achieved. Since in the solution, the swing type slicing method is used to slice the root vegetables from bottom to top, and the sliced vegetables automatically fall into a collection basket under the action of gravity, the sliced vegetables are not required to be manually collected, so as to improve working efficiency.



21: 2024/04790. 22: 2024/06/19. 43: 2024/12/24
51: G21D; G06Q

71: CHINA NUCLEAR POWER OPERATION TECHNOLOGY CORPORATION, LTD.

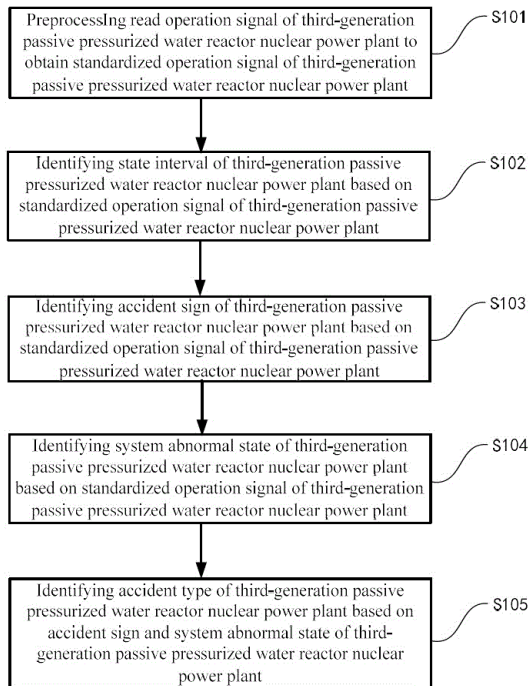
72: WEI, Wei, MA, Guoyang, HUANG, Xiong, HOU, Xueyan, LIU, Wei

33: CN 31: 202310669291.2 32: 2023-06-06

54: ACCIDENT ONLINE DIAGNOSIS METHOD FOR THIRD-GENERATION PASSIVE PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT

00: -

The present disclosure relates to an accident online diagnosis method for a third-generation advanced passive pressurized water reactor nuclear power plant, comprising: obtaining standardized an operation signal of the third-generation passive pressurized water reactor nuclear power plant; identifying a state interval of the third-generation passive pressurized water reactor nuclear power plant; identifying an accident sign of the third-generation passive pressurized water reactor nuclear power plant; identifying a system abnormal state of the third-generation passive pressurized water reactor nuclear power plant; and identifying an accident type of the third-generation passive pressurized water reactor nuclear power plant based on the accident sign and the system abnormal state of the third-generation passive pressurized water reactor nuclear power plant. The present disclosure also relates to an accident online diagnosis system of a third-generation advanced passive pressurized water reactor nuclear power plant, a computer device, and a storage medium. The present disclosure realizes completing rapid, accurate, and comprehensive accident diagnosis for the third-generation advanced passive pressurized water reactor nuclear power plant based on a few operation signals of the third-generation advanced passive pressurized water reactor nuclear power plant.



21: 2024/04803. 22: 2024/06/19. 43: 2024/12/24
51: G08C; H04B

71: NANTONG UNIVERSITY

72: JIANG, Hua, JIANG, Jianwei, YANG, Yongjie, ZHANG, Guoan

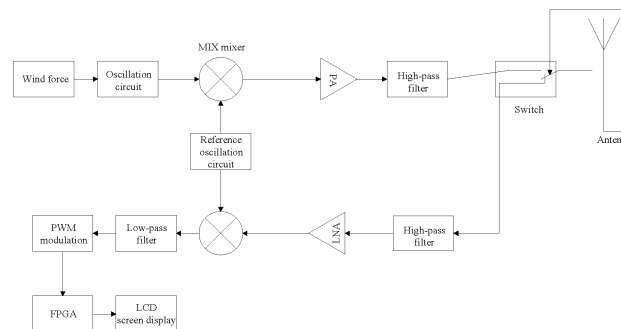
33: CN 31: 202210029790.0 32: 2022-01-12

54: OFFSHORE WIND SCALE MEASUREMENT RADIO FREQUENCY TRANSCEIVER SYSTEM AND OPERATION METHOD THEREOF

00: -

The present invention belongs to a technical field of surface acoustic wave sensors, and discloses an offshore wind scale measurement radio frequency transceiver system based on a surface acoustic wave sensor, comprising a measurement channel, a reference channel, a wireless transmission module, a wireless receiving module, and a data processing unit; the measurement channel is composed of the surface acoustic wave sensor and a peripheral circuit to form an oscillation circuit, wherein the surface acoustic wave sensor comprises three substrates, one of which is fixed, and the other two of which are selected by a switch, wherein when a wind force is small, only the right substrate can slide, and when the wind force is large, only the left substrate can slide, so as to cause a center frequency of an oscillator to change. High-frequency signals of the measurement channel and the reference channel obtained after frequency mixing

and high-pass filtering are remotely transmitted to a ground by an antenna, signals having the same frequency as that of the measurement channel can be restored at a receiving end by frequency mixing and high-pass filtering, and after the signals pass through the data processing unit, a conversion from the frequency to the wind scale can be realized. It has characteristics of being high in measurement precision, being capable of operating in severe weather, and being capable of realizing remote transmission.



21: 2024/04804. 22: 2024/06/19. 43: 2024/12/24
51: G01L

71: NANTONG UNIVERSITY

72: JIANG, Hua, JIANG, Jianwei, YANG, Yongjie, ZHANG, Guoan

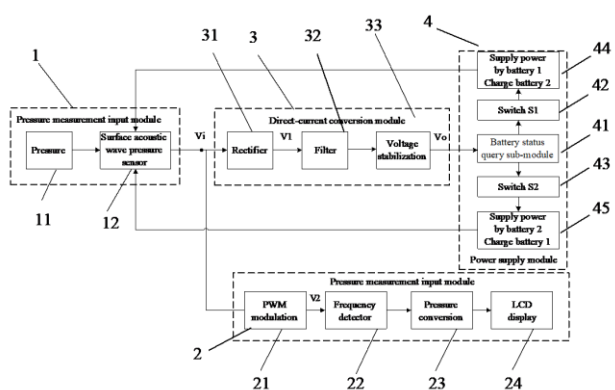
33: CN 31: 202210029789.8 32: 2022-01-12

54: SELF-POWERED PRESSURE MEASUREMENT SYSTEM BASED ON SURFACE ACOUSTIC WAVE SENSOR AND OPERATING METHOD THEREFOR

00: -

A self-powered pressure measurement system based on a pressure-controlled surface acoustic wave sensor, comprising: a pressure measurement input module (1), a pressure measurement output module (2), a direct-current conversion module (3), and a power supply module (4), wherein when the pressure measurement input module (1) obtains information of pressure (11), an offset occurs in a center frequency of the pressure-controlled surface acoustic wave sensor (12) by deformation of a pressure-sensitive thin film, and the pressure measurement output module (2) is processed such that the different pressures (11) and corresponding frequencies can be matched and displayed; at the same time, an oscillation signal output by the

pressure-controlled surface acoustic wave sensor (12) can be converted by the direct-current conversion module (3) into a direct-current signal having a constant amplitude to charge two batteries of the power supply module (4) in turn, and the batteries can also supply power to the pressure measurement system. The system can quickly and accurately measure the pressure, and self-powering of the pressure measurement system can be achieved by direct-current conversion. An operation method of the self-powered pressure measurement system based on a pressure-controlled surface acoustic wave sensor is also comprised.

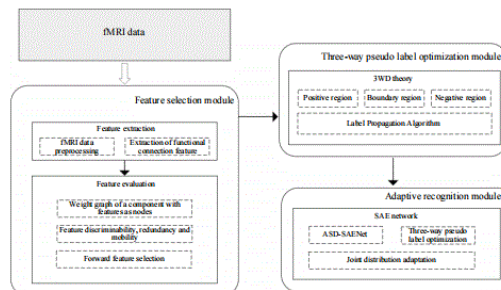


21: 2024/04809. 22: 2024/06/20. 43: 2024/12/24
 51: A61B
 71: Henan University of Urban Construction
 72: SHI, Chunlei, LIU, Yunchang, ZHANG, Zhimin, WAN, Fei, DONG, Zhaofeng, SHANG, Chaoyang, ZHANG, Yanyan, JING, Weina, CHEN, Hongjun, LI, Hengbin, LIU, Lele

54: AUTISM AUXILIARY DIAGNOSIS SYSTEM BASED ON DEEP DOMAIN ADAPTATION

00: -
 Disclosed is an autism auxiliary diagnosis system based on deep domain adaptation, including a feature selection module, a three-way pseudo label optimization module and a SAE-based autism adaptive recognition module; wherein the feature selection module is configured to improve the performance of classification models, and screen features with low redundancy, high discriminability and strong mobility from a functional connection network of fMRI to discover biomarkers associated with autism; the three-way pseudo label optimization module is configured to improve the accuracy of target domain pseudo label, train one basic classifier on labelled source domain data, and predict the

target domain label to obtain a pseudo label; and the SAE-based autism adaptive recognition module is configured to integrate the obtained optimal features and three-way pseudo label optimization model, and construct a SAE-based autism recognition network. The present invention improves the efficiency of artificial intelligence-assisted diagnosis of autism.



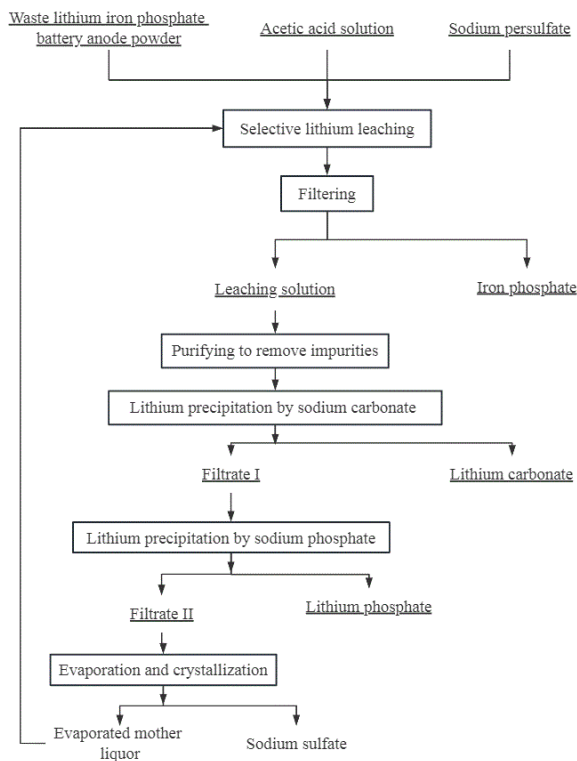
21: 2024/04810. 22: 2024/06/20. 43: 2024/12/24
 51: H01M

71: Zhengzhou Institute of Multipurpose Utilization of Mineral Resources, CAGS
 72: WANG Wei, LIU Hongzhao, LIU Lin, CAO Yaohua, WANG Hongliang

33: CN 31: 2023115235526 32: 2023-11-15
54: METHOD FOR COMPREHENSIVELY RECOVERING VALUABLE COMPONENTS OF ANODE MATERIALS OF WASTE LITHIUM IRON PHOSPHATE BATTERIES

00: -
 The invention provides a method for comprehensively recovering valuable components of anode materials of waste lithium iron phosphate batteries, and belongs to the technical field of hydrometallurgy and comprehensive recovery of secondary resources. The method includes the following steps: leaching waste lithium iron phosphate battery anode powder by using a sodium persulfate-acetic acid solution system to realize selective lithium leaching, filtering to obtain leachate and iron phosphate, then adjusting the pH value of the leachate by using sodium hydroxide to remove a small amount of iron and aluminum in the leachate to obtain a purified leachate, recovering lithium in the purified leachate by using a sodium carbonate precipitation method to obtain filtrate I and lithium carbonate, recovering lithium in the filtrate I by using a sodium phosphate precipitation method to obtain filtrate II and lithium phosphate, and evaporating and crystallizing the filtrate II to obtain sodium sulfate. The recovery method of the invention has simple

operation and high efficiency, synchronously realizes efficient recovery of lithium, phosphorus and iron elements in Ferrous lithium phosphate anode powder, and has a wide application prospect.

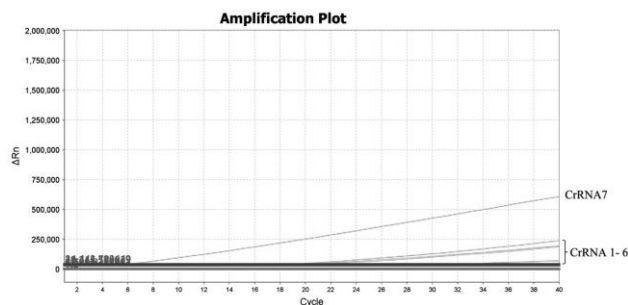


21: 2024/04811. 22: 2024/06/20. 43: 2024/12/24
 51: G01N
 71: Aifu Yang
 72: Aifu Yang, Daliang Huang, Chao Wan, Na Zhao, Dandan Nie, Rizeng Meng, Xiaoyan Zhu, Xuehua Liu, Qiang Hu, Huiqiu Liu, Weijun Duan, Zhijia Wang, Lingling Jiang

54: A METHOD, KIT AND APPLICATION FOR RAPID DETECTION OF CHICKPEA INGREDIENTS BASED ON RPA-CRISPR-CAS12A

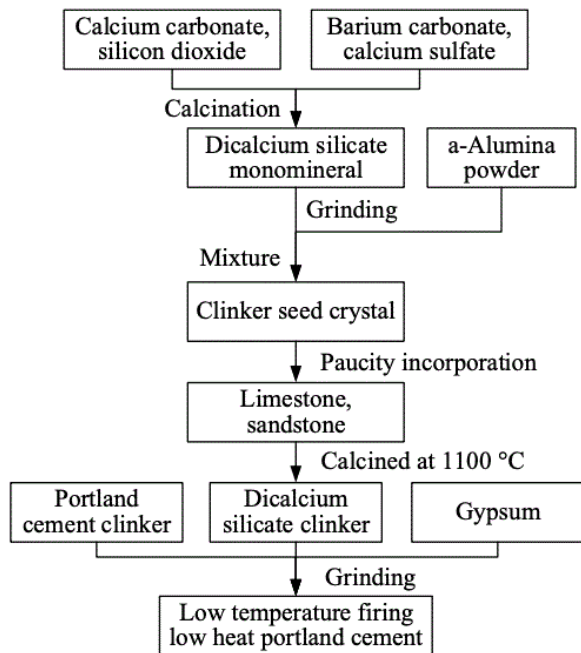
00: -
 The invention discloses a method, kit and application for rapid detection of chickpea ingredients based on RPA-CRISPR-Cas12a. The invention applies RPA-CRISPR-Cas12a technology for the first time for food authenticity detection, using primers specific for detection of chickpea and its derived ingredients for amplification of chickpea genes in an isothermal system, generating specific amplified curves, and specific primer combinations, crRNA, and ssDNA comprising sequences shown in SEQ ID NO. 1 to SEQ ID NO. 4; the specific primer combination, crRNA, ssDNA are prepared into a detection kit,

which can shorten detection time, improve detection efficiency and accuracy, and is suitable for rapid and accurate detection in the field.



21: 2024/04812. 22: 2024/06/20. 43: 2024/12/24
 51: C04B
 71: China Building Materials Academy Co., Ltd., China National Building Material Group Co., Ltd.
 72: Xin SHEN, Xiao ZHI, Wen HUANG, Min WANG, Suihua GUO, Yang YU, Guang YAO, Zhajun WEN, Xianshu GAO, Kunyue ZHANG, Guanbao TANG, Yun LIU, Xianbin WANG, Jing WANG, Mingming SUN, Ao LIU
 33: CN 31: 202310775269.6 32: 2023-06-28
54: LOW-TEMPERATURE FIRED LOW HEAT PORTLAND CEMENT AND ITS PREPARATION METHOD
 00: -

A method for preparing low-temperature fired low heat Portland cement, including: 1) mixing raw materials of calcium carbonate, silicon dioxide, barium carbonate, and calcium sulfate and calcining, to yield a dicalcium silicate monomineral and grinding the dicalcium silicate monomineral, wherein a total weight of alpha-prime- dicalcium silicate and alpha- dicalcium silicate in the dicalcium silicate monomineral is greater than 65%; 2) mixing dicalcium silicate monomineral powders obtained in 1) and alpha-alumina powders to produce clinker seeds; 3) mixing limestone and sandstone to yield a raw material, and mixing the raw material with the clinker seeds accounting for 0.8-1.2 wt. % of the raw material, and calcining at 1100°C, to yield dicalcium silicate cement clinker; 4) mixing 35-45 parts by weight of the dicalcium silicate cement clinker, 50-60 parts by weight of Portland cement clinker and 3-8 parts by weight of gypsum, and grinding, to yield low heat Portland cement.



21: 2024/04813. 22: 2024/06/20. 43: 2024/12/24
 51: C04B
 71: China Building Materials Academy Co., Ltd., China National Building Material Group Co., Ltd.
 72: Wen HUANG, Xiao ZHI, Min WANG, Zhajun WEN, Yang YU, Guang YAO, Xin SHEN, Guanbao TANG, Xianshu GAO, Kunyue ZHANG, Suihua GUO, Yun LIU, Xianbin WANG, Jing WANG, Tingting BAO, Mingming SUN, Ao LIU, Yirui LI
 33: CN 31: 202310779394.4 32: 2023-06-29
54: LOW HEAT PORTLAND CEMENT WITH HIGH TEMPERATURE RESISTANCE AND PREPARATION METHOD THEREOF
 00: -

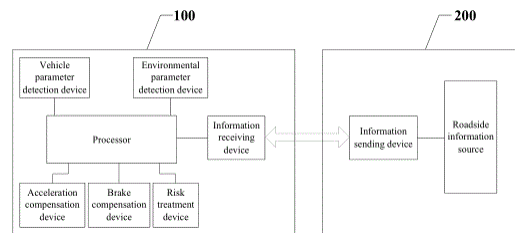
A preparation method of low heat Portland cement with high temperature resistance, including: 1) preparing clinker A: placing first raw materials at 1000 -1200°C for 30 -60 min to produce a clinker A comprising 60.0% -75% belite and 20% -40% melilite; 2) preparing clinker B: mixing second raw materials and 0.5% -3% crystalline silica and/or aluminum trioxide at 1400 -1500°C for 30 -60 min to produce low heat Portland cement clinker B with C2S content greater or equal to 42%; and 3) mixing and grinding the clinker A, the clinker B, and gypsum, evenly mixing a resulting mixture and ceramic micro powders, to yield a final product. The ratio of the clinker A to the clinker B to the gypsum and to the ceramic micro powders is 10-30: 50-70: 4-

8: 5-10. The low heat Portland cement of the disclosure can maintain strength in environments of 80°C or even higher.

21: 2024/04814. 22: 2024/06/20. 43: 2024/12/24
 51: F02D
 71: Yazhou Bay Innovation Institute of Hainan Tropical Ocean University
 72: FENG, Yuqin, WU, Jianing, HAN, Jiale, ZHANG, Wei, FENG, Yanhong

54: ECOLOGICAL DRIVING ASSISTANCE SYSTEM

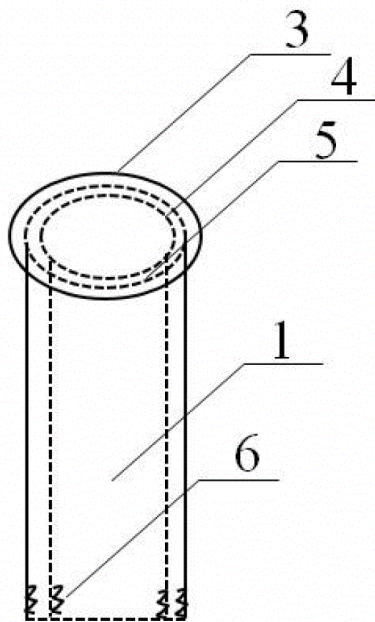
00: -
 Disclosed is an ecological driving assistance system, which relates to the field of vehicle electronic apparatuses. The system includes a vehicle-mounted apparatus and a roadside apparatus which are connected in a communication manner, where a vehicle parameter detection device and an environmental parameter detection device in the vehicle-mounted apparatus detect vehicle parameters and environmental parameters in real time and transmit the vehicle parameters and the environmental parameters to a processor. When a vehicle enters a receiving range, an information receiving device in the vehicle-mounted apparatus can receive road section information sent by an information sending device in the roadside apparatus and transmit a receiving distance and the road section information to the processor, such that the processor can perform assisted driving based on the above information and control an acceleration compensation device, a brake compensation device and a risk treatment device to perform driving economically and safely.



21: 2024/04815. 22: 2024/06/20. 43: 2024/12/24
 51: G01N
 71: Shandong Institute of Pomology
 72: WU Haibin, ZHANG Yong, XIANG Kun, GAO Rui, ZHANG Ganyu, WU Haibo, WANG Zhongtang, DONG Fang

54: IMPROVED DEVICE AND METHOD FOR DETECTING POPULATION DENSITY OF ENTOMOPATHOGENIC NEMATODES

00: -
 The invention relates to an improved device and method for detecting the population density of entomopathogenic nematodes. The device comprises a collection tube and a catching tube, wherein the collection tube comprises an inner collection tube and an outer collection tube; the bottom end of the inner collection tube is threadedly connected with a trapping net cover; the trapping net cover is located in the outer collection tube; the side wall surrounding the trap tube is provided with 2-3 trap holes; clear water is filled in the trap tube; and a sealed trap is arranged on the inner wall of the trap tube. During detection, leek maggots and leek roots are added into the net cover as trapping substances, and both of them release volatile substances and carbon dioxide to trap nematodes. The invention can be used for the field collection of entomopathogenic nematodes and the tracking and determination of nematode population density in field soil.



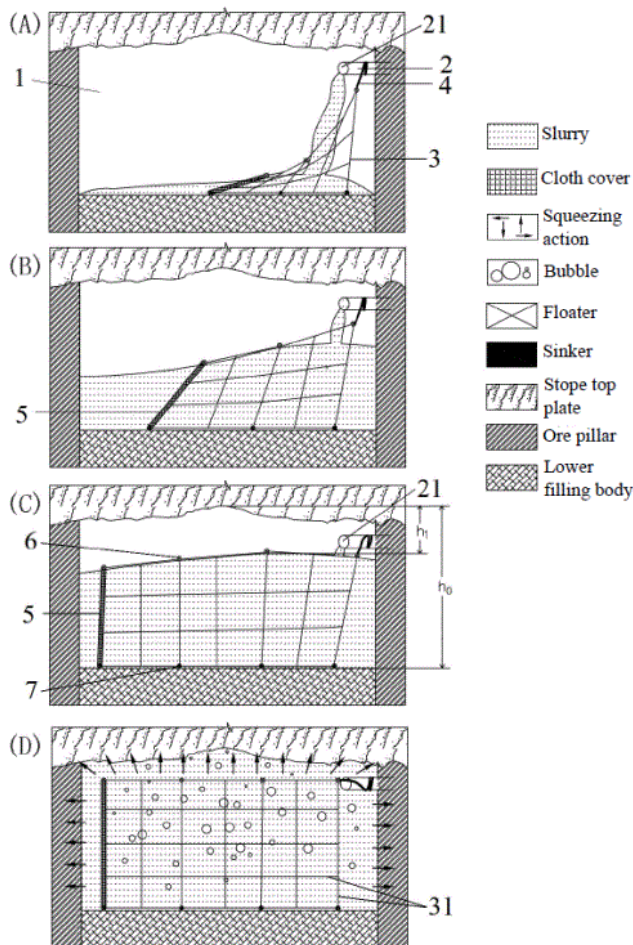
72: Yao Nan, Yu Zhenjian, Ye Yicheng, Shi Lei, Chen Shunman, Ruan Zhu'en, Xu Min, Wang Bowen, Liu Xuliang, Xu Lulu

54: METHOD FOR FILLING ROOF-CONTACTED AREA OF GOAF IN UNDERGROUND MINE

00: -
 The present invention relates to the technical field of goaf filling, and in particular to a method for filling a roof-contacted area of a goaf in an underground mine. A method for filling a roof-contacted area uses a three-dimensional flexible geotextile woven net as a filling body skeleton, floaters and sinkers are arranged on two opposite sides of the three-dimensional flexible geotextile woven net, and a cloth cover is arranged at one end of the three-dimensional flexible geotextile woven net. The specific method for filling a roof-contacted area includes the following steps, fixing one end of the three-dimensional flexible geotextile woven net to a wall surface of a roof-contacted area, injecting a slurry into the roof-contacted area, and pushing the cloth cover of the three-dimensional flexible geotextile woven net to move along a movement direction of slurry; unfolding the three-dimensional flexible geotextile woven net with the rising of slurry level under the action of floaters and sinkers, and forming a three-dimensional frame structure in the roof-contacted area; and adding a foaming agent into the slurry to foam and expand the slurry until reaching a top plate of the goaf by self-expansion. The method of the present invention enhances the stability of the roof-contacted area and solves the problems of low roof-contacted filling rate and difficulty in secondary roof-contacted filling by conventional filling materials.

21: 2024/04817. 22: 2024/06/20. 43: 2025/01/02
 51: E21F

71: Wuhan University of Science and Technology, Anhui Development Mining Co., Ltd., East China Jiaotong University, University of Science and Technology Beijing



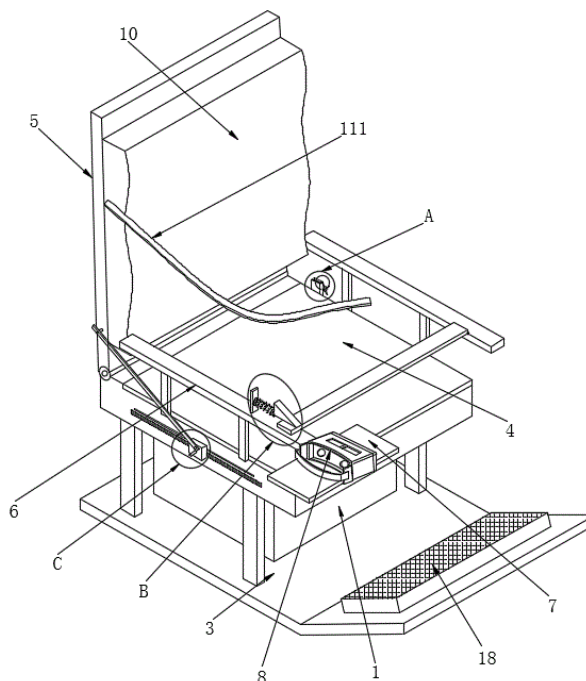
21: 2024/04818. 22: 2024/06/20. 43: 2024/12/24
51: G09B

71: Zhejiang Normal University
72: Jin Baiyan, Fang Xiaosheng

54: ONLINE EDUCATION SYSTEM BASED ON VIRTUAL REALITY

00: -
Disclosed is an online education system based on virtual reality (VR), including a student operating end and a teacher operating end, the student operating end including a support base, and a seat plate being fixed to a top of the support base. The present invention relates to the field of VR teaching technology. According to the online education system based on VR, a rotating disk is driven to rotate by a rotating rod, a sliding plate is driven to move by a threaded rod, and a binding belt is pressed tightly and fixed by locking teeth, thus protecting students and reducing the risk of falling; by rotating an enclosure plate, a right-angled triangular block is squeezed, so that the right-angled triangular block drives a sliding rod to move

backward until the enclosure plate is located under the right-angled triangular block, and the right-angled triangular block is reset to limit the enclosure plate, realizing the enclosure protection of the students, and improving the protective properties; by the arrangement of a hydraulic cylinder, the angle of a backrest can be freely adjusted to obtain a high comfort in use; and by the arrangement of a locking protection mechanism, it is easy to protect the hydraulic cylinder and reduce the load on the hydraulic cylinder.



21: 2024/04819. 22: 2024/06/20. 43: 2024/12/24
51: G06F

71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.

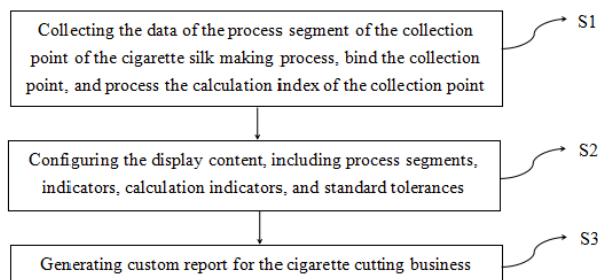
72: QIN, Guoxin, ZHANG, Kai, WANG, Quan, WANG, Yixin, WU, Lianlian, QI, Senwang, YANG, Zhongpan, YANG, Xiaogang, HUO, Chao

33: CN 31: 202410610882.7 32: 2024-05-16

54: METHOD, SYSTEM FOR AUTOMATICALLY GENERATING CUSTOM STATEMENT FOR CIGARETTE SILK MAKING BUSINESS BY CUSTOM CONFIGURATION

00: -
The embodiment of the present invention discloses a method, system for automatically generating custom statement for cigarette silk making business by custom configuration. The method comprising: S1: Collecting the data of the process segment of the

collection point of the cigarette silk making process, bind the collection point, and process the calculation index of the collection point;S2. Configuring the display content, including process segments, indicators, calculation indicators, and standard tolerances.S3. Generating custom report for the cigarette cutting business. Include a step of personalizing configuration of the display content before S3.By the method for automatically generating custom statement for cigarette silk making business by custom configuration, it can configure personalized statistical reports for the cigarette cutting process based on different user needs and can also change the display content as needed. If the selectable indicators are insufficient for the user, developers can configure the new process indicators for the reports in the system's indicator configuration interface. After configuration, users can personalize the display according to their needs, making it convenient and efficient.



21: 2024/04820. 22: 2024/06/20. 43: 2024/12/24
51: G06F

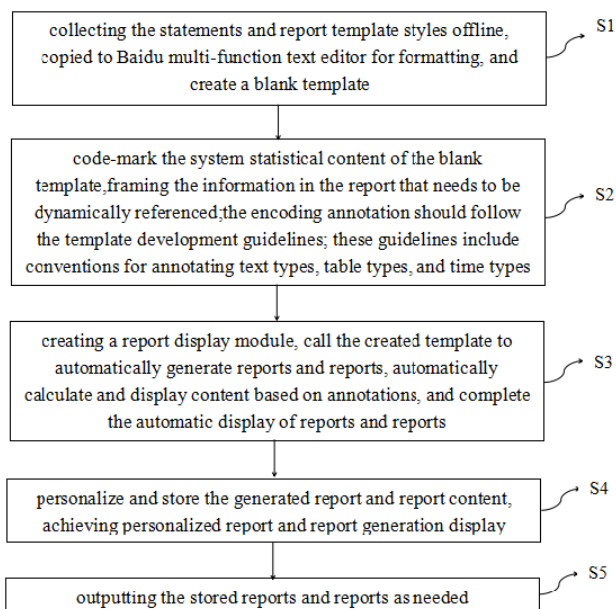
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.

72: WANG, Quan, QIN, Guoxin, ZHANG, Kai, WANG, Yixin, YANG, Xiaogang, ZHANG, Bin, ZHU, Shan, LIU, Xiaofei, WU, Lianlian, HUO, Chao
33: CN 31: 202410610960.3 32: 2024-05-16

54: METHOD AND COMPUTER READABLE MEDIUM FOR REALIZING BULK REPORTING IN TOBACCO INDUSTRY BASED ON MULTI-FUNCTION TEXT EDITOR

00: -
The embodiment of the present invention discloses a method and computer readable medium for realizing bulk reporting in tobacco industry based on multi-function text;comprising the following steps:S1,collecting the statements and report template styles offline, copied to Baidu multi-function text editor for formatting, and create a blank

template;S2, code-mark the system statistical content of the blank template,framing the information in the report that needs to be dynamically referenced;the encoding annotation should follow the template development guidelines; these guidelines include conventions for annotating text types, table types, and time types;S3, creating a report display module, call the created template to automatically generate reports and reports, automatically calculate and display content based on annotations, and complete the automatic display of reports and reports;S4, personalize and store the generated report and report content, achieving personalized report and report generation display; S5, outputting the stored reports and reports as needed.



21: 2024/04824. 22: 2024/06/20. 43: 2024/12/24
51: B02C; F16B

71: IMS ENGINEERING (PTY) LTD

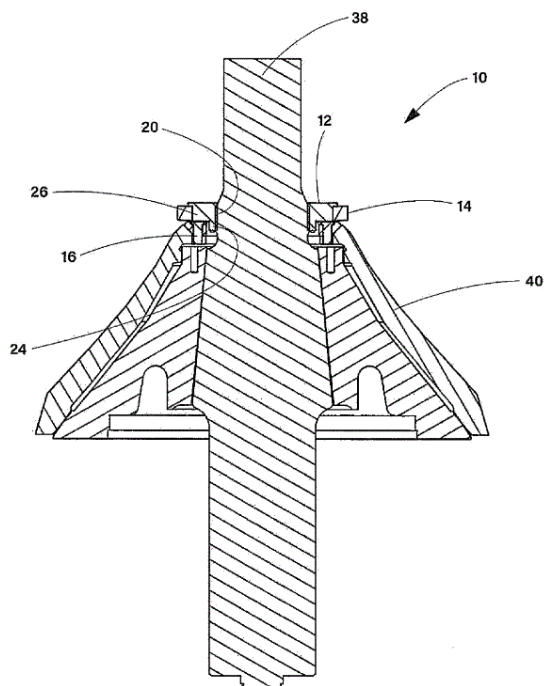
72: MYHILL, Athol David

33: ZA 31: 2021/10754 32: 2021-12-22

54: SPLIT NUT ASSEMBLY

00: -
A split nut assembly includes a body that defines: (i) a primary threaded bore that extends along a longitudinal axis of the body; and (i) a first pair of secondary bores that: (a) extend through the body parallel to the longitudinal axis of the body; (b) are spaced radially outwards from the primary threaded

bore; and (c) are aligned diametrically in respect of the primary threaded bore. The body is split into two parts along a plane that extends: along the longitudinal axis of the body; diametrically in respect of the primary threaded bore; and diametrically in respect of each of the first pair of secondary bores.



device further comprises a control means adapted to identify each card of the plurality of series of randomly ordered cards; assign each identified card to one of the plurality of card storage means and control the card supply means and/or the card grouping means to merge one or more identified cards being assigned to the same card storage means, into the group of cards. The device further comprises a group delivering means, adapted to deliver the group of cards in said card grouping means into the card storage means to which the identified cards in said card grouping means are assigned.

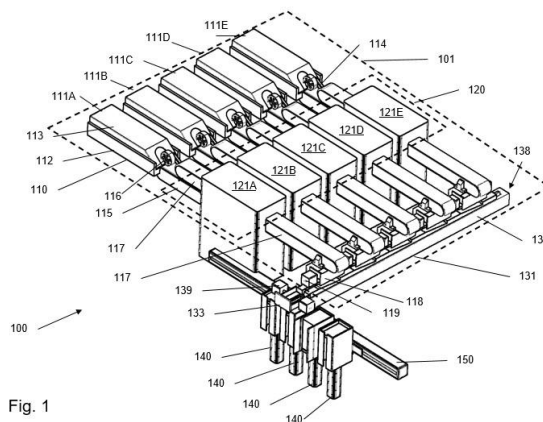


Fig. 1

21: 2024/04845. 22: 2024/06/20. 43: 2025/01/13
 51: A63F
 71: CARTAMUNDI SERVICES NV
 72: NIETVELT, Steven Karel Maria
 33: EP 31: 22152602.3 32: 2022-01-21

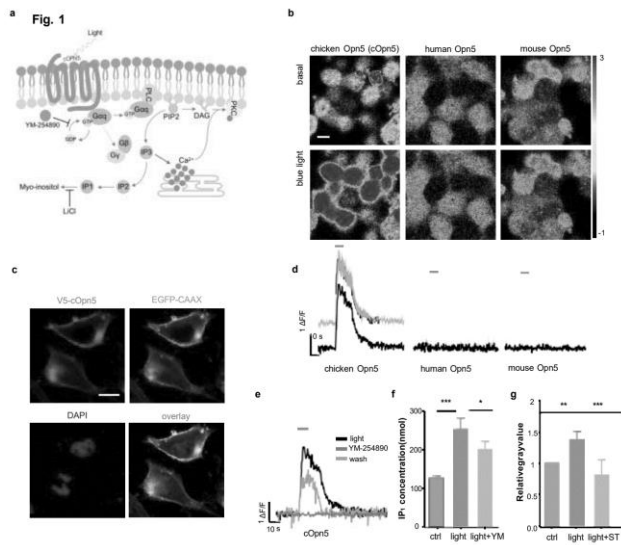
54: A DEVICE FOR PROVIDING SETS OF CARDS
 00: -

A device for providing sets of cards comprising repurposed cards comprises at least a first card handling means comprising a card supply means being adapted to supply a plurality of series of randomly ordered cards, which plurality of series of randomly ordered cards comprises repurposed cards, and a plurality of card storage means, in which the cards of the plurality of series of randomly ordered cards are to be stored, thereby providing sets of cards comprising repurposed cards. The card handling means further comprises at least one card grouping means, in between said card supply means and said card storage means, adapted to merge cards from different series of the plurality of series of randomly ordered cards, into a group of cards. The

21: 2024/04854. 22: 2024/06/20. 43: 2024/12/24
 51: A61K; A61N; C07K; A61P
 71: GENANS BIOTECHNOLOGY CO., LTD
 72: YU, Tao, DAI, Ruicheng, WENG, Danwei, LUO, Minmin

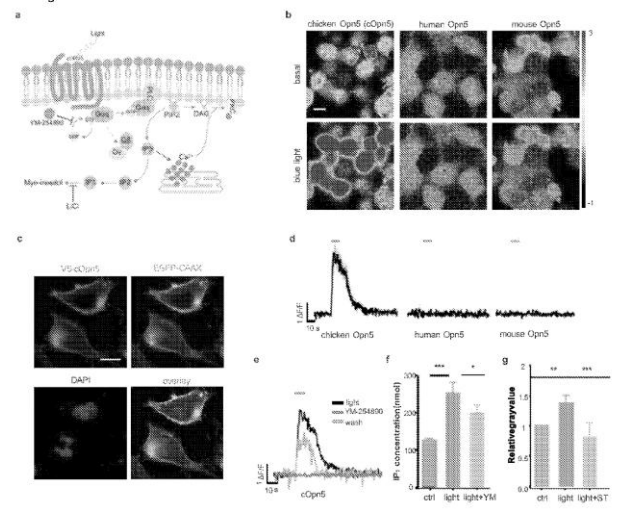
33: CN 31: PCT/CN2021/139751 32: 2021-12-20
54: ULTRA LIGHT-SENSITIVE NEUROPSIN-BASED OPTOGENETIC TOOL FOR ACTIVATING G Q -COUPLED SIGNALING AND/OR ACTIVATING CELLS
 00: -

The present invention relates to an isolated light-sensitive opsin for rapidly, reversibly, and precisely activating G q signaling and/or activating cells.



21: 2024/04855. 22: 2024/06/20. 43: 2024/12/24
 51: A61K; C07K; C12N; A61P
 71: GENANS BIOTECHNOLOGY CO., LTD
 72: YU, Tao, DAI, Ruicheng, WENG, Danwei, LUO, Minmin
 33: CN 31: PCT/CN2021/139750 32: 2021-12-20
54: OPTOGENETIC VISUAL RESTORATION USING LIGHT-SENSITIVE GQ-COUPLED NEUROPSIN (OP SIN 5)

00: -
 Provided is an isolated light-sensitive opsin for rapidly, reversibly, and precisely restoring sensitivity to light of the retinal cell through activating Gq signaling.

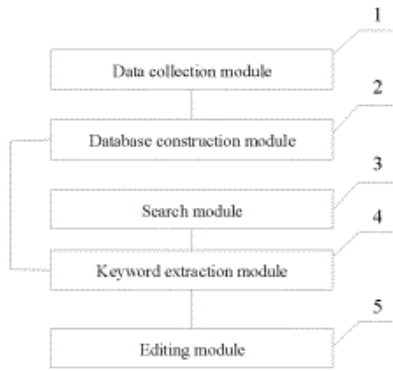


21: 2024/04863. 22: 2024/06/21. 43: 2025/01/02
 51: G06F
 71: Hubei Institute of Standardization and Quality (Hubei WTO/TBT Notification Consulting Center)

72: CHEN, Yanming, LU, Xi, XU, Shukun, SHI, Ying, SHU, Cheng, HAN, Yangyu, CHEN, Lei, SHAO, Xuan

54: EDITING SYSTEM AND METHOD FOR STANDARD FILE

00: -
 The present invention discloses an editing system and method for a standard file, and relates to the technical field of standard editing. A data collection module is configured for collecting national standard data, industrial standard data, local standard data, group standard data, and enterprise standard data. A database construction module is configured for constructing a standard file database according to the national standard data, the industrial standard data, the local standard data, the group standard data, and the enterprise standard data. A search module is configured for inputting a standard name. A keyword extraction module uses a word segmentation algorithm of an n-gram model to perform word segmentation on the standard name to obtain a keyword, and performs data matching in the standard file database according to the keyword to obtain standard file data to be edited. An editing module is connected to the keyword extraction.



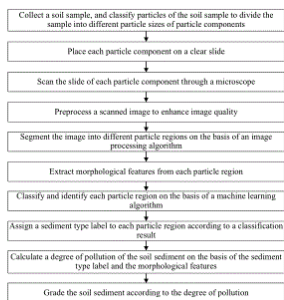
21: 2024/04864. 22: 2024/06/21. 43: 2025/01/02
 51: G01N

71: Qinghai Geological and Mineral Testing Center (Qinghai Province Eco-environmental Geology Inspection and Testing Center)
 72: ZHANG, Qiyun, ZHANG, Ming, ZHU, Lin, LIU, Dao, SHI, Hua, ZHAO, Yuqing, DU, Zuopeng, ZHANG, Jianmin, BAO, Caihong

54: METHOD FOR TESTING SOIL SEDIMENT

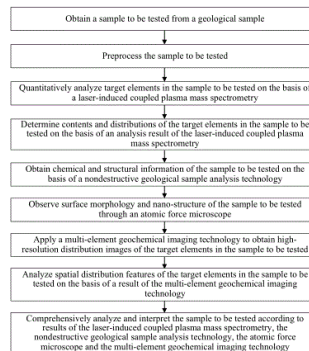
00: -
 Disclosed is a method for testing soil sediment, which relates to the field of soil sediment testing.

The method includes: collecting a soil sample, and classifying particles of the soil sample to divide the sample into different particle sizes of particle components; placing each particle component on a clear slide; scanning the slide of each particle component through a microscope; preprocessing a scanned image to enhance image quality; and segmenting the image into different particle regions on the basis of an image processing algorithm. The present invention can improve accuracy of testing of the soil sediment on the basis of a combination of a plurality of technical features, including particle classification, image processing, morphological feature extraction, a machine learning algorithm, etc.

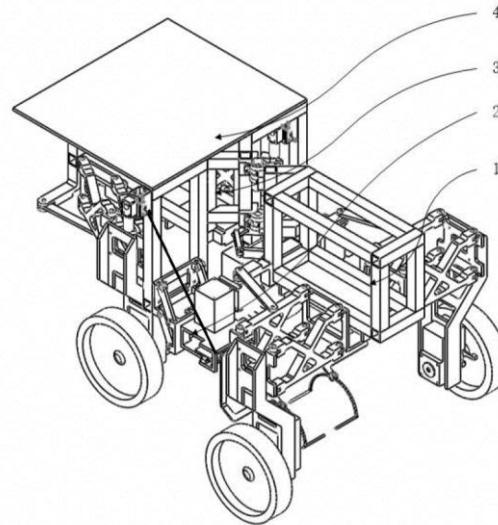
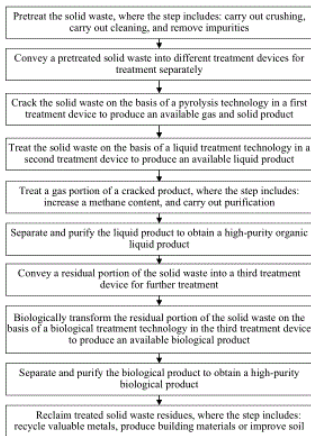


21: 2024/04865. 22: 2024/06/21. 43: 2025/01/02
 51: G01N
 71: Qinghai Geological and Mineral Testing Center (Qinghai Province Eco-environmental Geology Inspection and Testing Center)
 72: WEI, Zhenhong, DU, Zuopeng, LIU, Dao, ZHAO, Yuqing, ZHANG, Guolong, ZHANG, Qiyun, CHEN, Xiuna, KONG, Xiaoyan, HUO, Chengyu
54: METHOD FOR TESTING GEOLOGICAL SAMPLE
 00: -
 Disclosed is a method for testing a geological sample, which relates to the field of geological testing. The method includes: obtaining a sample to be tested from a geological sample; preprocessing the sample to be tested; quantitatively analyzing target elements in the sample to be tested on the basis of a laser-induced coupled plasma mass spectrometry; determining contents and distributions of the target elements in the sample to be tested on the basis of an analysis result of the laser-induced coupled plasma mass spectrometry; obtaining chemical and structural information of the sample to be tested on the basis of a nondestructive geological sample analysis technology; and observing surface

morphology and nano-structure of the sample to be tested through an atomic force microscope.



21: 2024/04866. 22: 2024/06/21. 43: 2025/01/02
 51: B09B
 71: Qinghai Geological and Mineral Testing Center (Qinghai Province Eco-environmental Geology Inspection and Testing Center)
 72: ZHANG, Ming, ZHU, Lin, ZHANG, Qiyun, LIU, Dao, ZHAO, Yuqing, ZHANG, Jianmin, SHI, Hua, MA, Lingui, ZHU, Jiajia, SU, Yuping
54: METHOD FOR COMPREHENSIVE UTILIZATION OF SOLID WASTE
 00: -
 Disclosed is a method for comprehensive utilization of a solid waste, which relates to the field of waste treatment. The method includes: pretreating the solid waste; conveying a pretreated solid waste into different treatment devices for treatment separately; cracking the solid waste on the basis of a pyrolysis technology in a first treatment device to produce an available gas and solid product; and treating the solid waste on the basis of a liquid treatment technology in a second treatment device to produce an available liquid product. The present invention can efficiently treat a large amount of solid wastes on the basis of microwave pyrolysis and bioreactor anaerobic digestion technologies, thereby shortening treatment time, and improving a treatment capability.



21: 2024/04869. 22: 2024/06/21. 43: 2025/01/02
51: A01D

71: GUANGXI VOCATIONAL UNIVERSITY OF AGRICULTURE

72: Jiang Honghai, Zhou Ning, Lu Zhihong

33: CN 31: 2024105584296 32: 2024-05-07

54: A RIDGE-CULTIVATED CROP WEEDING ROBOT

00: -

The present invention relates to a ridge-cultivated crop weeding robot, belonging to the field of plant protection technology. The invention consists of a front walking unit, a rear walking unit, and a weeding mechanism. The front walking unit and the rear walking unit include walking wheels, walking wheel support arms, walking motors, rocker arms, frames, adjusting screw rods, and other devices. The weeding mechanism includes a weeding motor, gears, racks, weeding blades, and other devices. The invention can achieve automatic weeding of large-scale ridge-cultivated crops.

21: 2024/04870. 22: 2024/06/21. 43: 2025/01/02
51: G02C

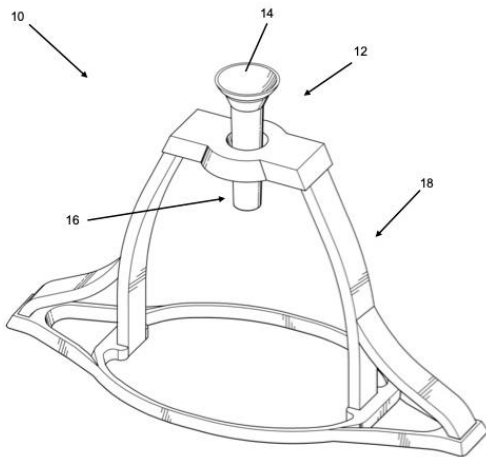
71: BLIGNAUT, Marisa

72: BLIGNAUT, Marisa, BLIGNAUT, Ernst Adriaan Lodewyk, GOOSEN, Renaldo

54: CONTACT LENS PLACEMENT

00: -

The invention relates to a contact lens placement device including a placement body with a retaining portion for holding a contact lens and an actuation portion, allowing relative movement between the placement body and the eyeball. The device includes a base member to hold the placement body spaced from a support surface. The placement body can be axially moved relative to the base member to transfer the contact lens onto the eyeball. The retaining portion may utilise suction to hold the lens, and the base member can be either rigid or deformable. Constructed from polymer materials, the device is designed with a reflection zone, enabling the user to see the alignment of the eyeball with the lens. An alignment mechanism, such as a mirror or laser within the reflection zone, assists in guiding the lens onto the eye.



21: 2024/04871. 22: 2024/06/21. 43: 2025/01/02
51: H05K

71: Xinyu University

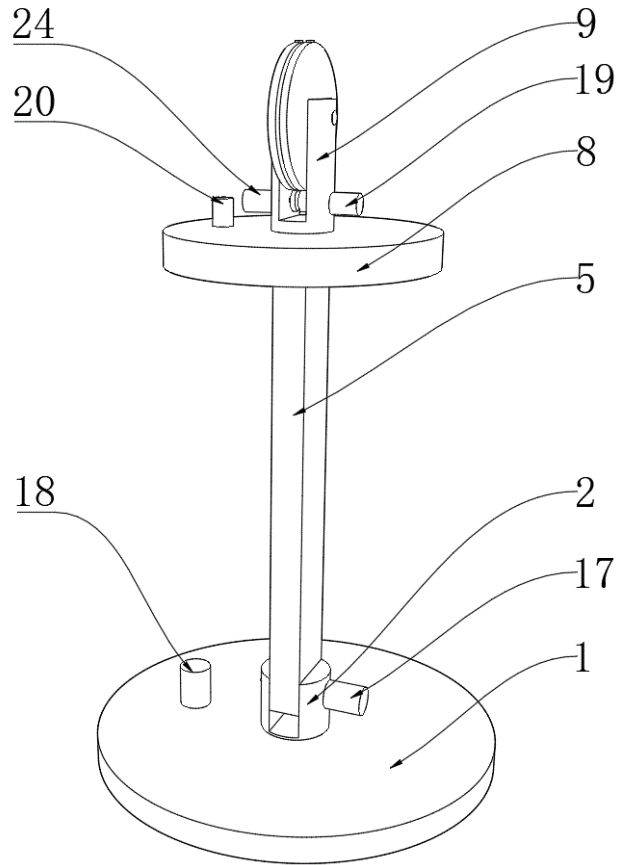
72: Xiang Zhongqi, Lin Chunxia, Xu Zhaosheng

33: CN 31: 2024106621095 32: 2024-05-27

54: DATA PROCESSING DEVICE FOR IMAGE TRANSMISSION

00: -

The present invention provides a data processing device for image transmission, including a bottom base. A first rotating column is rotatably connected to a top middle inner wall of the bottom base, a first gear is fixedly connected to an outer ring of a bottom of the first rotating column, a second servo motor is fixedly connected to one side of a top of the bottom base, and a second gear is fixedly connected to an output end of the second servo motor. In the present invention, firstly, servo motors, gears, a connecting rod, rotating columns and cameras cooperate with each other to check the situation inside a vehicle from multiple angles by remote control, thereby improving vehicle safety.



21: 2024/04873. 22: 2024/06/21. 43: 2025/01/02
51: C04B

71: China Building Materials Academy Co., Ltd.,
China National Building Material Group Co., Ltd.,
CNBM Zhongyanyi Technology Co., Ltd.

72: Guang YAO, Xiao ZHI, Min WANG, Zhajun WEN, Guanbao TANG, Yang YU, Wen HUANG, Kunyue ZHANG, Xianshu GAO, Suihua GUO, Yun LIU, Xianbin WANG, Mingming SUN, Yirui LI, Ao LIU
33: CN 31: 202311121485.5 32: 2023-09-01

54: LOW-HEAT CEMENT CONCRETE FOR COMPLEX HIGH-ALTITUDE ENVIRONMENTS AND PREPARATION METHOD THEREOF

00: -

A method for preparing low-heat cement concrete includes: weighing and adding low-heat cement, fly ash, steel slag, sand, crushed stone, water, a water reducer, a shrinkage reducing agent, an air entraining agent, and a nucleating agent to a concrete mixer, to yield a low-heat cement concrete adapted to complex high-altitude environments. The disclosure employs the low-heat cement, fly ash, steel slag, sand, crushed stone, water, water reducer, shrinkage reducing agent, air entraining agent, and nucleating agent as raw materials to

prepare the low-heat cement concrete adapted to complex high-altitude environments. The cement concrete has advantages of low temperature rise in early stage, fast strength development in later stage, dense cement hydration products, and good durability, thus effectively preventing the problem of concrete shrinkage and cracking due to drying and water loss in complex high-altitude environments.

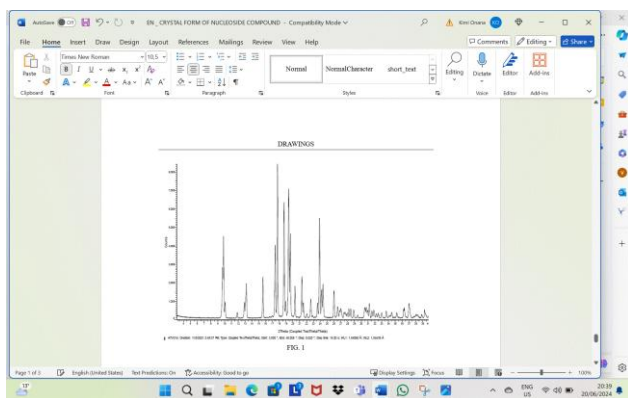
21: 2024/04878. 22: 2024/06/21. 43: 2025/01/02
51: A61K; C07D; A61P

71: Shenzhen AntiV Pharma Co., Ltd.
72: LI Shuo, LI Guanguan, LIU Xinjun, LI Yingjun, ZHOU Qifan

33: CN 31: 202111593324.7 32: 2021-12-23

54: CRYSTAL FORM OF NUCLEOSIDE COMPOUND

00: -
The present invention provides a crystalline form of a nucleoside compound. The crystalline form is ATV014 crystalline form I, which has good solubility and thermal stability, and better bioavailability and dissolution profile in specific formulations. The good permeability and thermal stability of the crystalline form make it suitable for use in specific pharmaceutical formulations.



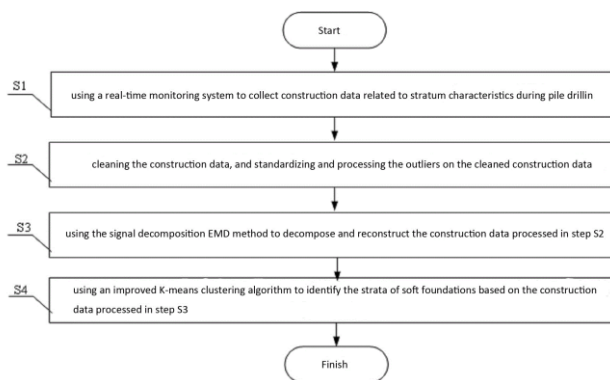
21: 2024/04922. 22: 2024/06/24. 43: 2025/01/02
51: G06F

71: China Institute of Water Resources and Hydropower Research
72: LIU, Biao, ZHAO, Yufei, WANG, Wenbo, JIANG, Long, YAN, Chunli, LIANG, Hui, SUN, Ping, CAO, Ruilang, LIN, Xingchao, YANG, Yongsun, ZHANG, Qiang, ZHANG, Yunpei

33: CN 31: 2023108277469 32: 2023-07-06

54: INTELLIGENT IDENTIFICATION METHOD OF VIBRO-REPLACEMENT GRAVEL PILE REINFORCED STRATUM

00: -
The present application provides an intelligent identification method for vibro-stone pile reinforced strata, belonging to the field of strata identification technology, the method comprising collecting construction data related to strata characteristics during pile hole forming using a real-time monitoring system; cleaning the construction data, and standardizing and processing the outliers on the cleaned construction data; decomposing and reconstructing the pre-processed construction data using a signal decomposition EMD method; and identifying the strata of a soft foundation using an improved K-means clustering algorithm based on the decomposed and reconstructed construction data. The present invention overcomes the defects of determining soil strata geological information using traditional geological exploration methods, and realizes rapid identification of soil strata.



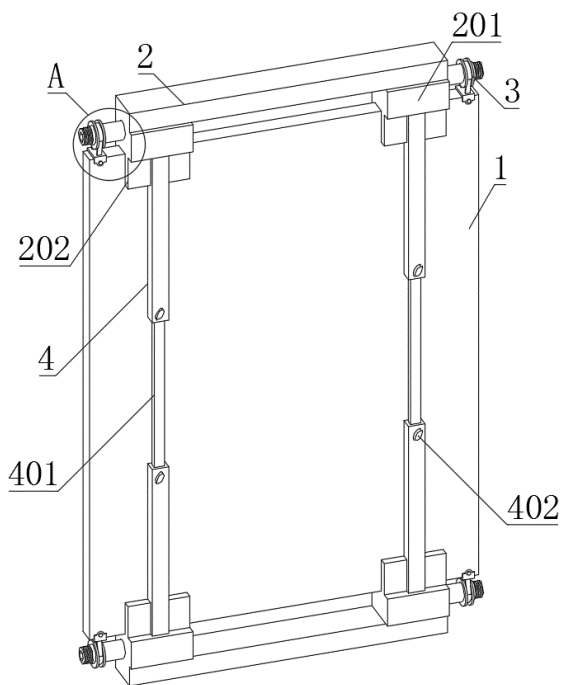
21: 2024/04923. 22: 2024/06/24. 43: 2025/01/02
51: E04G

71: Nantong Institute of Technology, Nanjing Hefeng Construction Engineering Co., Ltd
72: Xu Jiabin, Bao Jijun, Liu Ronggui, Hu Xiaowen, Peng Shengnan, Zhang Chengyue, Zhou Qiang

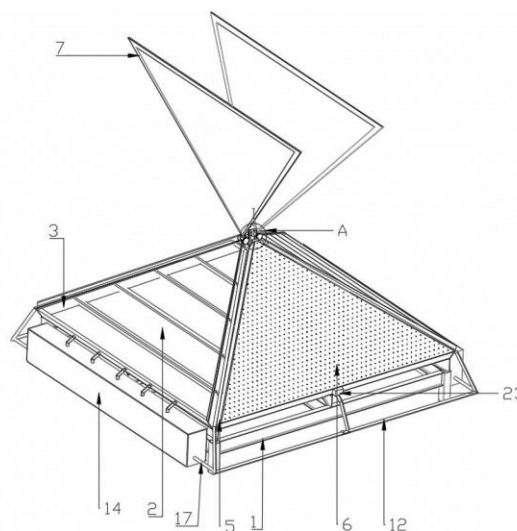
54: A BUILDING CARBON FIBER REINFORCED STRUCTURE

00: -
The present invention discloses a building carbon fiber reinforced structure, which belongs to the field of building reinforcement technology. The present invention relates to a building carbon fiber reinforced structure, which includes carbon fiber cloth. The upper and lower ends of the carbon fiber cloth are equipped with mounting brackets, and both ends of the mounting bracket are equipped with adjustment heads. The interior of the adjustment head is penetrated with threaded rods. The present

invention solves the problem that existing reinforcement structures only limit the upper and lower ends of carbon fiber materials, which cannot meet the uniform coverage on both sides and affect the actual reinforcement effect. The present invention uses an adjusting head to fix the two ends of carbon fiber cloth, and drives the threaded rod to rotate through a hexagonal wrench. The threaded rod rotates inside the adjusting head, and the adjusting head is moved by the limit. The adjusting head drives the elastic band and fixing block to pull the side edges of carbon fiber cloth, so that all four corners of the carbon fiber cloth are stretched by the limit, maintaining a uniform position and coverage effect, improving the reinforcement effect. The structure is simple, convenient to operate, and facilitates long-term reinforcement work.



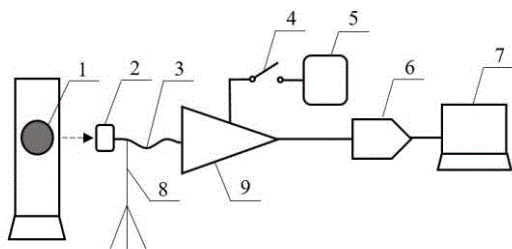
A building structure for green roofing includes: a roof frame with four sides, each side of the roof frame is fixedly connected with wall panels. The upper parts of the wall panels on the front and rear sides of the frame are connected with an installation frame. The installation frame is sequentially equipped with multiple perforated partitions from top to bottom, forming planting spaces between every two adjacent partitions. Protective mechanisms are hinged on the upper parts of the wall panels on the front and rear sides of the frame; sealing frames are connected on the upper parts of the wall panels on the left and right sides of the frame, and a filter net is fixedly connected above the sealing frame, forming a water collection cavity for rainwater between the filter net and the sealing frame; an adjustment mechanism is installed at the center of the upper part of the frame.



21: 2024/04962. 22: 2024/06/25. 43: 2025/01/13
 51: E04B
 71: Bengbu Architectural Design Research Institute Group Co., Ltd, Anhui Science and Technology University
 72: LING Jianxiang, PENG Xiaohong, HONG Shanzheng, YIN Jing, WU Yusong
 33: CN 31: 202410785193X 32: 2024-06-18
54: A BUILDING STRUCTURE FOR GREEN ROOFING OF BUILDINGS
 00: -

21: 2024/04964. 22: 2024/06/25. 43: 2025/01/02
 51: G01K
 71: Kunming University of Science and Technology
 72: Xiaoliang Wang, Guifang Zhang, Qi Jiang, Peng Yan, Pengchao Li, Bing Yi, Daiwei Liu, Nan Tian, Zhenhua Feng, Xincheng Pang, Zhixiang Xiao, Li Zhang, Weidong Zhao, Yuandong Yan, Jincai Li
54: A TEMPERATURE DETECTION METHOD FOR ELECTROMAGNETIC LEVITATION MOLTEN DROPLETS
 00: -
 The invention belongs to the technical field of electromagnetic metallurgy and temperature detection. In particular, the invention relates to a temperature detection method for electromagnetic

levitation molten droplets. It includes electromagnetic levitation molten droplet, high-speed photodiode, extension lead, control switch, power module, ADC acquisition module, computer, fixed bracket and I/V conversion amplifier module. The current signal is generated by the high-speed photodiode after receiving the light signal radiated by the high-temperature droplet in the electromagnetic levitation refining process. The current signal is converted into voltage signal and amplified by the cross-impedance amplifier circuit in the I/V conversion amplifier module. The filter processing circuit can reduce the influence of low frequency background noise and voltage noise in the detection process. The amplified voltage signal is converted to A/D by the acquisition module and transmitted to the computer by USB port. The data acquisition system program can store and calculate the data, and can display the voltage and temperature change curve, which realizes the high precision and high frequency detection of the rapid temperature changes of molten droplets during the electromagnetic levitation refining and rapid solidification process.

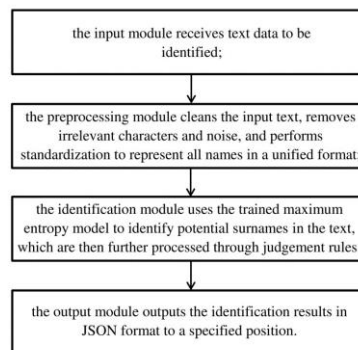


21: 2024/04965. 22: 2024/06/25. 43: 2025/01/02
 51: G06F
 71: Beijing Tianmixuan Cultural Communication Co., Ltd
 72: Baojun Yan

54: METHOD FOR IDENTIFYING COMPLEX NAMES

00: -
 The invention discloses a method for identifying complex names, including an input module, a preprocessing module, an identification module, and an output module, wherein the input module is used to receive text data to be identified, the preprocessing module cleans and standardizes the input text, the identification module uses a method combining statistical models and rules to perform

name identification, and the output module outputs the identification results in a structured format.



21: 2024/04966. 22: 2024/06/25. 43: 2025/01/02
 51: A01G
 71: Zhongyi Agricultural Science and Technology Development (Shandong) Co., Ltd.
 72: Haoran LIU, Hua LUO, Zhaoxiang HAO, Ming Ji, Guangliang LIU, Chao LI, Yongshuai LI, Dapeng LIU, Shanfang NIE, Shaobiao ZHANG
 33: CN 31: 202410662685X 32: 2024-05-27
54: A ROOTING METHOD FOR POMEGRANATE TISSUE CULTURE

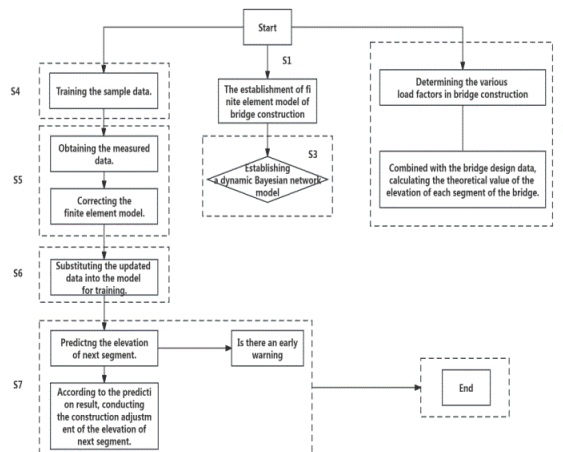
00: -
 The present invention discloses a rooting method for pomegranate tissue culture, comprising the following steps: a, cutting a growing and robust branch (one-year-old) with a diameter of more than 0.3cm from a growing and robust, disease-free and leafy pomegranate tree; b, pruning the branch obtained in step a, after pruning, immersing the branch in 5% Junduqing 300 times solution for 5-10 minutes to perform a bactericidal treatment, and then immersing the lower end of the branch in an aqueous rooting powder solution for 2-3 hours; c, placing the branch treated in step b into a rooting medium for rooting culture, and placing the branch into a culture chamber for variable temperature preservation; d, planting the rooting branch cultured in step c into a substrate for intensified culture, and after 40-60 days of survival, the branch can be transplanted. The present invention adopts the above-mentioned rooting method for pomegranate tissue culture to solve the problems of low survival rate, slow rooting and affecting production efficiency caused by the low production efficiency and difficulty in mastering practical operation techniques of pomegranate reproduction.

21: 2024/04967. 22: 2024/06/25. 43: 2025/01/02
51: G06F

71: Hefei University of Technology
72: Zongzu LIU, Yu XIN, Zuocai WANG, Kai PENG,
Dingtang WANG, Xudong MENG, Yunpeng JIANG
33: CN 31: 2024108025918 32: 2024-06-20

54: AN ESTABLISHMENT METHOD FOR DIGITAL TWIN MODEL OF BRIDGE CONSTRUCTION BASED ON DYNAMIC BAYESIAN NETWORK

00: -
The invention relates to an establishment method for digital twin model of bridge construction based on dynamic Bayesian network, which belongs to the field of bridge construction technology, comprising the following steps: S1, the finite element model of the construction bridge is established; S2, considering the various load factors in the process of bridge construction, and combined with the bridge design data, the theoretical value of the bridge elevation of each segment is calculated; S3, the dynamic Bayesian network model is established; S4, the sample data is trained; S5, the real elevation data is obtained to correct the finite element model; S6, the updated data is substitute into the dynamic Bayesian network model for training; S7, the predictive inference and safety early warning of bridge construction are conducted. The invention adopts the above-mentioned establishment method for digital twin model of bridge construction based on dynamic Bayesian network, which can realize the real-time interaction between digital model and physical model, effectively guarantee the safety and reliability of bridge construction process, and it also has important theoretical significance and engineering practical value for the control of elevation in bridge construction.

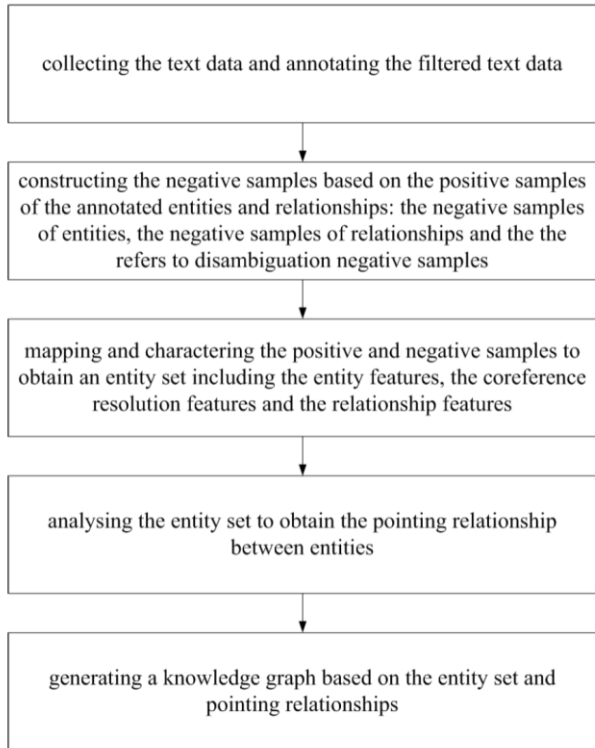


21: 2024/04971. 22: 2024/06/25. 43: 2025/01/02
51: G06F

71: NINGBO UNIVERSITY OF FINANCE AND ECONOMICS
72: XIONG, Songquan, HE, Jianwei
33: CN 31: 2024100863758 32: 2024-01-22

54: METHOD AND SYSTEM FOR GENERATING GRAPH BASED ON TEXT BIG DATA

00: -
A method and a system for generating a graph based on text big data are provided by the present disclosure. The method includes collecting the text data and annotating the filtered text data; constructing the negative samples based on the positive samples of the annotated entities and relationships: the entity negative sample, the relationship negative sample and the coreference resolution negative sample; mapping and charactering the positive sample and the negative sample to obtain an entity set including the entity features, the coreference resolution features and the relationship features; analysing the entity set to obtain the pointing relationship between entities; and generating a knowledge graph based on the entity set and pointing relationships.

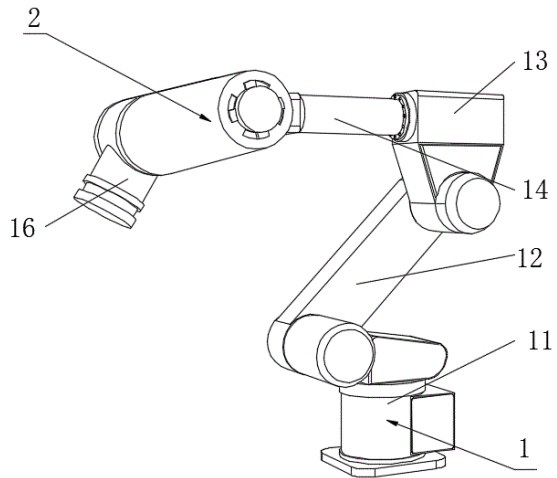


21: 2024/04972. 22: 2024/06/25. 43: 2025/01/02
 51: B25J
 71: Chuzhou University
 72: XIE Guoxiong

54: ELECTRICAL APPARATUS COMBINED MOUNTING MANIPULATOR

00: -
 The present invention provides an electrical apparatus combined mounting manipulator, including a manipulator body. In the present invention, a worker fixes a fixing mounting plate I and a fixing mounting plate II at two ends of two sets of connecting plates, guide rods and guide grooves are convenient for the worker to quickly penetrate a mounting fixing rod through the fixing mounting plate I, a fixing seat and the fixing mounting plate II; a plugging fixing rod is plugged by the worker into an interior of the mounting fixing rod to complete quick fixing of a grasping end; at the same time, by placing plugging blocks at ends of fixing blocks which are uniformly arranged at a periphery of a plugging fixing rod are placed into rotating grooves, and the plugging fixing rod is rotated to rotate the plugging blocks to plugging grooves; when the plugging blocks rotate to the plugging grooves, the plugging blocks are sprung into the plugging grooves by spiral springs inside the fixing blocks to achieve the quick fixing, and the stability of the plugging and fixing is increased; and a replacement assembly can facilitate the worker to quickly replace the grasping

end for grasping different electrical apparatuses, thereby increasing the work efficiency.



21: 2024/04973. 22: 2024/06/25. 43: 2025/01/02
 51: A23K
 71: Shan Huajia
 72: Shan Huajia

54: A KIND OF COMPOSITE LIVESTOCK LICKING BRICK

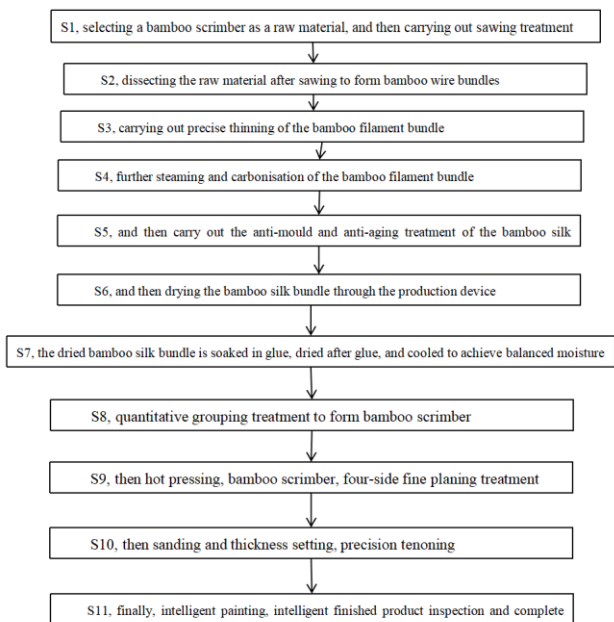
00: -
 The present invention relates to a composite livestock licking brick for supplementing salt and trace elements for livestock, comprising the following ingredients: calcium, iron, zinc, iodine, selenium, salt, binder, calcium oxide and curing agent; their content ranges are as follows, in parts by weight: calcium 10 to 40, iron 1.3 to 12, zinc 0.52 to 5, iodine 0.02 to 0.04, selenium 0.005 to 0.01, salt 700 to 800
 The present invention makes lick bricks after reasonable matching and combination of the trace elements needed for the growth of cattle and sheep which are missing in pasture and water, solving the problem of supplementation of trace elements during the period of free-range raising of livestock.

21: 2024/04974. 22: 2024/06/25. 43: 2025/01/02
 51: B65G
 71: Renhua County Aoda Plywood Co., Ltd
 72: Kong Lingyan, Pan Jinshan, Pan Yuan

54: A NEW MATERIAL CONTAINER BOTTOM PLATE PRODUCTION METHOD TECHNICAL FIELD

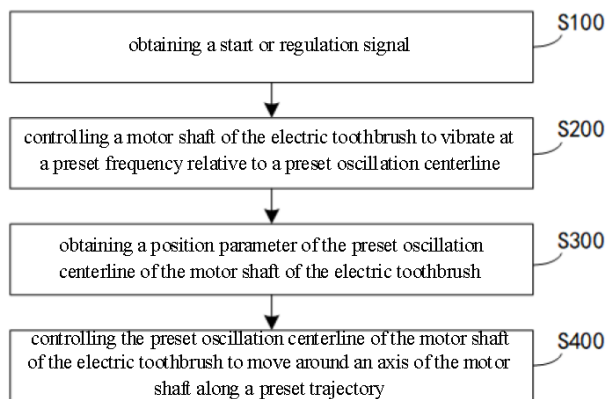
00: -
 The present invention discloses a new material container bottom board production method, specifically including the following steps: S1,

selecting bamboo scrimber as raw material, and then carrying out sawing treatment; S2, dissecting the raw material after sawing to form bamboo filament bundles; S3, carrying out precise thinning of the bamboo filament bundles; S4, further steaming and carbonisation of the bamboo filament bundles; S5, and then carrying out the mildew-proofing and anti-ageing treatment of the bamboo filament bundles, the present invention relates to the technical field of container bottom board production. The new material container floor production device and its production method, the process used in the present invention to produce a container floor with better anti-mould effect, improve the production quality of the floor, and in the bamboo bundle drying treatment, so that the bamboo bundle can be heated more uniformly, and further improve the production quality of the floor.



21: 2024/04975. 22: 2024/06/25. 43: 2025/01/02
 51: A61B; A61C; H02P
 71: SHENZHEN SHUYE TECHNOLOGY CO., LTD.
 72: YE, Hongxin
 33: CN 31: 202311324493.X 32: 2023-10-12
54: ELECTRIC TOOTHBRUSH, AND MOTOR CONTROL METHOD, DEVICE, SYSTEM, CONTROL BOARD, AND MEDIUM FOR THE SAME
 00: -
 An electric toothbrush, and a motor control method, a device, a system, a control board, and a storage

medium for the same. The motor control method for an electric toothbrush includes: obtaining a start or regulation signal; controlling a motor shaft of the electric toothbrush to vibrate at a preset frequency relative to a preset oscillation centerline according to the start or regulation signal; obtaining a position parameter of the preset oscillation centerline of the motor shaft of the electric toothbrush; and controlling the preset oscillation centerline of the motor shaft of the electric toothbrush to move around an axis of the motor shaft along a preset trajectory.



21: 2024/04976. 22: 2024/06/25. 43: 2025/01/03
 51: A61K; C07K; C12N
 71: CHENGDU ORIGEN BIOTECHNOLOGY CO., LTD.
 72: KE, Xiao, ZHENG, Qiang, LUO, Shuang, JIANG, Hao
 33: CN 31: 202111628667.2 32: 2021-12-28
54: MODIFIED AAV CAPSID PROTEIN AND USE THEREOF
 00: -
 The present invention relates to a modified adeno-associated virus (AAV) capsid protein and use thereof; said capsid protein comprises substitutions of approximately 5–14 amino acids with respect to a parent AAV capsid protein; furthermore, the AAV containing the modified capsid protein has increased infectiousness with respect to a target tissue or target cell (e.g. retinal cell) in comparison with an AAV comprising an unmodified parent AAV capsid protein.

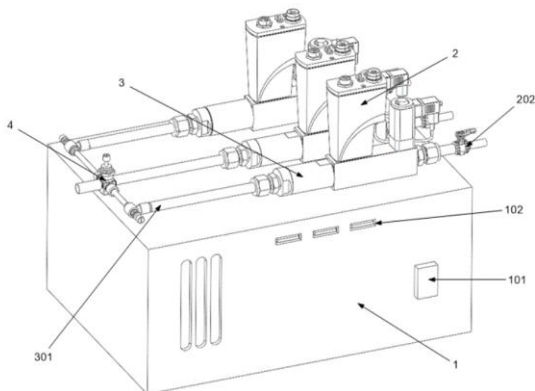
21: 2024/04982. 22: 2024/06/25. 43: 2025/01/03
 51: F23D
 71: SUZHOU KEYITE AUTOMATION TECHNOLOGY CO., LTD.

72: CHEN, Shenghu

54: ADJUSTING DEVICE FOR FLOW CONTROLLERS

00: -

The present invention relates to the technical field of gas flow controllers, in particular to a adjusting device for flow controllers, comprising an operating platform and a plurality of flow controllers arranged at a top portion of the operating platform, wherein the flow controllers are provided with a plurality of adjusting assemblies and shunting assemblies; an adjusting assembly, comprising a brake pipe, a brake body and a handle, wherein the brake pipe is embedded in the brake body, and a top portion of the brake body is provided with the handle; a shunting assembly, comprising an air pipe, a shunt valve and a pressing button, wherein the air pipe is embedded in the shunt valve, and a top portion of the shunt valve is provide with the pressing button. According to the present invention, the handle at the top portion of the brake body can keep the inside of the flow controllers in a closed state, so that gas leakage is prevented; meanwhile, the flow controllers are convenient to detect because the gas is emitted by the shunt valve; the troublesome process of repeated measurement is omitted because a plurality of flow controllers work together; meanwhile, the measurement result can be obtained more accurately by averaging the measurement results, and the contingency of one-time measurement is also avoided.



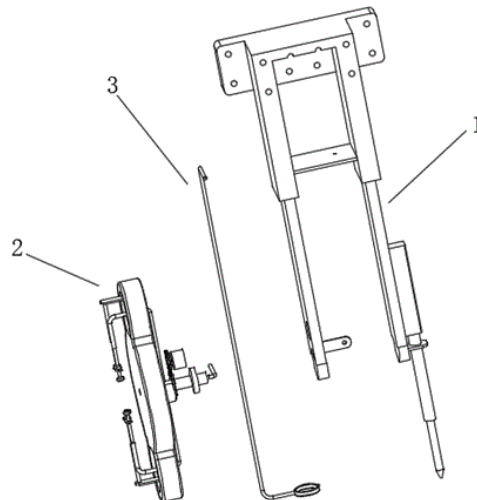
21: 2024/04983. 22: 2024/06/25. 43: 2025/01/03
 51: B05C
 71: TAICANG MINGKONG INFORMATION TECHNOLOGY CO., LTD.

72: CHENG, Liang

54: FULL-AUTOMATIC GLUE DISPENSER MOUNTER

00: -

The present invention relates to the technical field of mounters, and provides a full-automatic glue dispenser mouter, which comprises an automatic turnover mouter mechanism, wherein the automatic turnover mouter mechanism comprises a first flip assembly and a second flip assembly, a first driving part in the first flip assembly is in transmission connection with a housing, the second flip assembly comprises a driving part, a first turnover adsorption part and a second turnover adsorption part, a second driving part in the driving part is in transmission connection with a driving gear, the driving gear in the first turnover adsorption part is in transmission connection with a driven gear, an elbow and a third cylinder are fixedly arranged on a surface of the driven gear, one end of a telescopic pipe is movably connected in the elbow, a vacuum suction nozzle is fixedly connected with the other end of the telescopic pipe, the third cylinder is connected with the telescopic pipe, and a CCD camera group is arranged between the third cylinder and the telescopic pipe, which has the characteristics of automatic turnover and reverse placement of the attachment, high success rate of the patch and high patch efficiency.



21: 2024/04996. 22: 2024/06/25. 43: 2025/01/03
 51: B09B; C08J; H05H

71: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich, SERGEEV, Anton Viktorovich

72: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich

33: RU 31: 2021140063 32: 2021-12-30

54: REACTOR FOR A WASTE TRANSFORMATION DEVICE

00: -

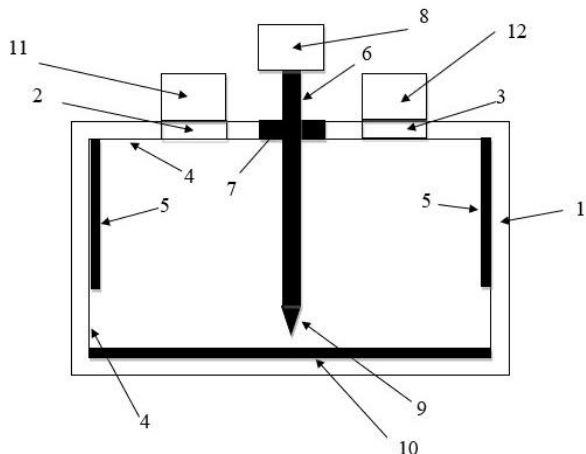
The invention relates to devices for disposal of waste in solid, liquid and gaseous state thereof, in particular, it relates to devices for providing waste disposal by plasma-chemical destruction. A technical effect obtained by this invention is implementation of a reactor providing destruction of both organic and inorganic substances of residential solid and/or liquid waste. The technical effect is obtained by a reactor provided in form of a closed cavity having an input orifice connected to a waste feed apparatus and an output orifice for outputting gaseous products of destruction. Inner surfaces of the cavity are made electrically conductive entirely or partially and an electrode is inserted into the reactor. The electrode is isolated from the conductive surfaces and connected to a source of high-voltage pulses, and size of a gap between the electrode and the conductive surfaces of the cavity provides formation of streamers of plasma by corona discharge.

33: RU 31: 2022104158 32: 2022-02-17

54: ELECTROSTATIC FRICTION PULSE GENERATOR

00: -

Disclosed are electrostatic frictional generators having a movable member in form of flow of substance particles and attains a technical effect of providing electrostatic frictional pulse generator having innovative configuration by an electrostatic frictional pulse generator implemented in form of a hollow cylinder and having an airflow means with substance particles along the cylinder surface. Materials of the cylinder and the substance provide induction of opposite electric charges on the cylinder surface and the substance particles due to friction of the substance particle flow against the cylinder surface. An electrode and a current collector connected to a load are spaced along axis of the cylinder. The airflow means in form of screens located in upper and lower portions of the cylinder and configured to repel flows of air with substance particles, an intake fan under the upper screen has blades of a lesser diameter than that of the cylinder.

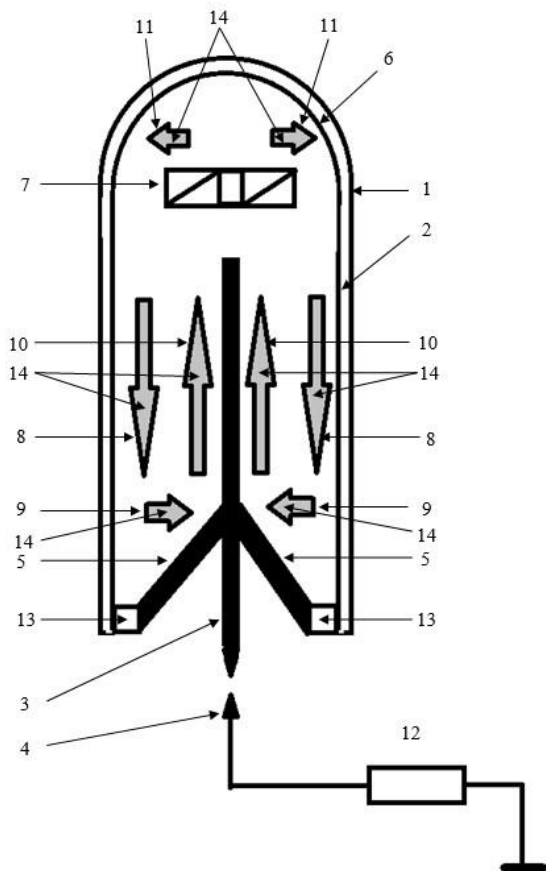


21: 2024/04997. 22: 2024/06/25. 43: 2025/01/03

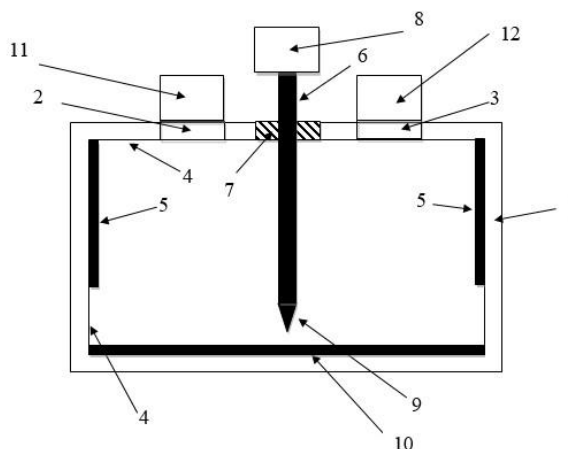
51: H02N

71: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich, SERGEEV, Anton Viktorovich

72: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich



partially and grounded. An electrode protrudes into the reactor, and this electrode is isolated from the grounded surface. High-voltage pulses are supplied to the electrode. The pulses cause formation of corona discharge streamers in a gap between the electrode and the conductive surface of the reactor.



21: 2024/04998. 22: 2024/06/25. 43: 2025/01/03
51: B03C; B09B

71: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich, SERGEEV, Anton Viktorovich

72: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich

33: RU 31: 2021140063 32: 2021-12-30

54: METHOD FOR LOW-TEMPERATURE TRANSFORMATION OF DOMESTIC WAST

00: -

The invention relates to methods of household waste management, in particular, to methods of disposing waste by plasma-chemical destruction method. The invention is directed to attaining a technical effect of broadening range of technical solutions by providing a method of destruction of household waste at low temperature of treatment that is comparable to environment temperature. This technical effect is attained by a destruction method, where household waste is fed into a reactor via an input opening, and entry of atmospheric air into the reactor is restricted. The reactor is provided in form of a closed cavity, which inner surface is made conductive entirely or

21: 2024/04999. 22: 2024/06/25. 43: 2025/01/03
51: B03C; B09B

71: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich, SERGEEV, Anton Viktorovich

72: MESHCHANINOV, Mikhail Aleksandrovich, AGASAROV, Dmitrii Yanovich

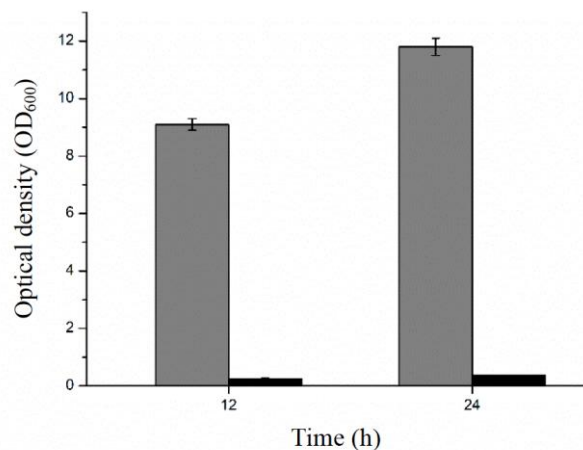
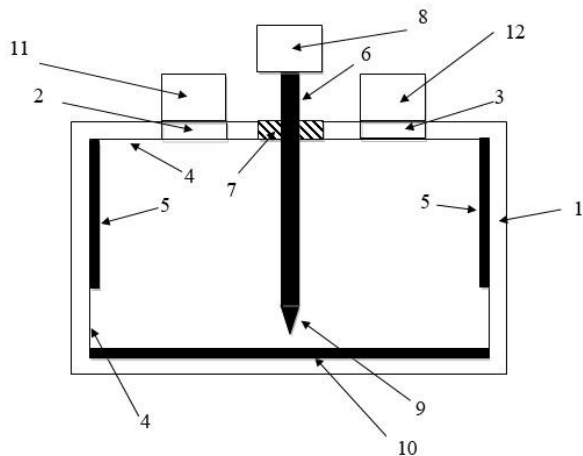
33: RU 31: 2021140063 32: 2021-12-30

54: METHOD FOR DESTROYING ORGANIC WASTE WITH A LOW WATER CONTENT

00: -

The invention relates to methods of disposing household waste, in particular, to methods of disposing waste with low content of water by plasma-chemical destruction. The invention is directed to attaining a technical effect of broadening range of technical solutions by providing a method of destruction of organic waste with low content of water. The technical effect is attained by a destruction method, where organic waste with low content of water is loaded into a reactor via an input opening, and waste of biological origin is loaded additionally. The reactor is provided in form of a closed cavity, which inner surface is made conductive entirely or partially and grounded. An electrode protrudes into the reactor, which is isolated from the grounded surface. High-voltage pulses are supplied to the electrode. The pulses cause formation of corona discharge streamers in a gap

between the electrode and the conductive surface of the reactor.



21: 2024/05002. 22: 2024/06/26. 43: 2025/01/03
51: A23C

71: Henan University of Urban Construction
72: YE, Yanxin, LI, Leilei, LI, Bingbing, CHEN, Yanyan, LIU, Junhong

54: METHOD FOR PRODUCING SWEET YOGURT BY FERMENTATION OF LACTOBACILLUS PLANTARUM

00: -

In the present invention, *Lactobacillus plantarum* WCFS1 is used as an original strain, the glucose-6-phosphate dehydrogenase coding gene *gpd* and glucose-6-phosphate isomerase coding gene *pgi* of the *Lactobacillus plantarum* WCFS1 are knocked out by a gene editing technology, and thus a glucose metabolism-deficient *Lactobacillus plantarum* Delta *gpd* Delta *pgi* is obtained. When the strain uses lactose as a carbon source, only galactose of the lactose is used and glucose is secreted to the extracellular. By combining *Lactobacillus plantarum* Delta *gpd* Delta *pgi* with traditional yogurt fermentation strains (*Streptococcus thermophilus* and *Lactobacillus bulgaricus*) to ferment milk, yogurt with a low lactose content, a moderate galactose content and a high glucose content can be produced. As glucose tastes much sweeter than lactose or galactose, the sweetness of yogurt is significantly enhanced. Moreover, the *Lactobacillus plantarum* Delta *gpd* Delta *pgi* can reduce a lactose content and is suitable for lactose intolerant patients.

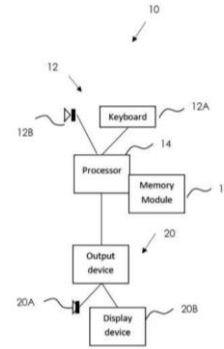
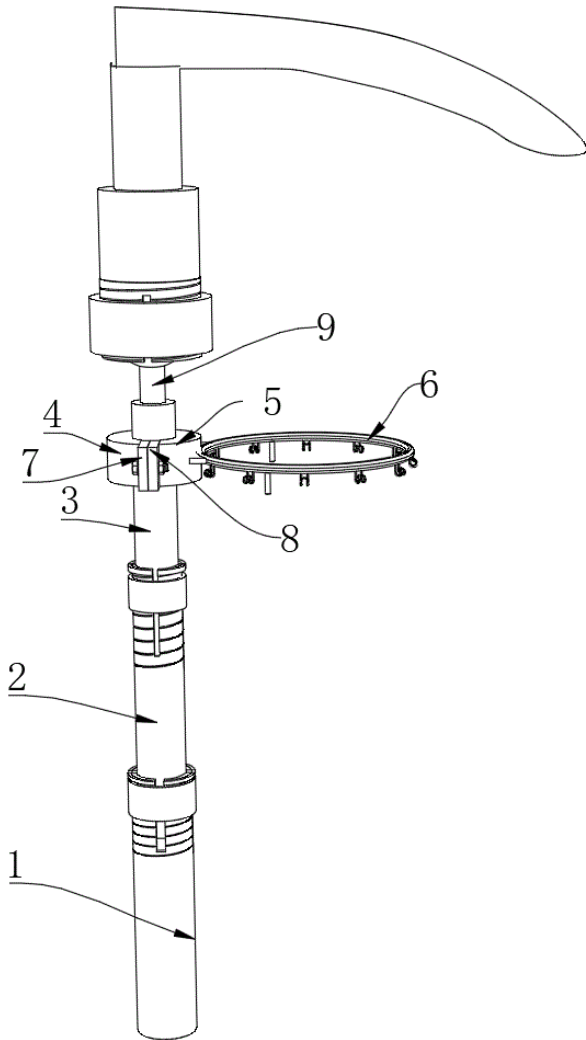
21: 2024/05004. 22: 2024/06/26. 43: 2025/01/03
51: A01D

71: Henan University of Urban Construction
72: Lv Shiqi, Fu Taotao, Kuang Xu

54: PICKER FOR BUDS OF MAGNOLIAE FLOS

00: -

The present invention provides a picker for buds of *Magnoliae Flos*, including a fixing rod. A telescopic rod is slidably connected to an interior of a top of the fixing rod, a support rod is slidably connected to an interior of the telescopic rod, and first slotted holes are disposed at the interior of the top of the fixing rod. In the present invention, a second moving sleeve is rotated to cause the support rod to slide on an inner wall of the telescopic rod to limit the support rod; a first moving sleeve is rotated upwards to lift the telescopic rod upwards, thereby picking buds of *Magnoliae Flos* with different heights; and a sphere is sheathed by an insertion sleeve, and an exterior of the insertion sleeve is locked via a limiting sleeve to adjust different positions.



21: 2024/05005. 22: 2024/06/26. 43: 2025/01/03
51: F42D

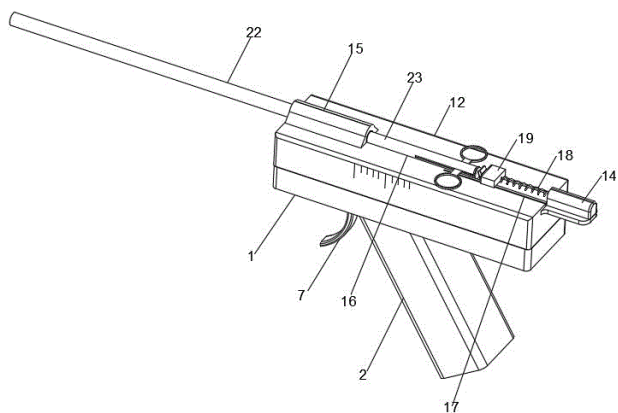
71: DETNET SOUTH AFRICA (PTY) LTD
72: SCHLENTER, Craig Charles
33: ZA 31: 2023/06542 32: 2023-06-26
54: METHOD OF PRODUCING A BLAST DESIGN
00: -

A method of producing a blast design, the method including the steps of providing a first set of instructions in the form of a user input relating to blast design characteristics in a natural language to a human-computer interface to produce input data, operating a first processor to execute a large language model which is responsive to the input data to produce output data, dependent on the input data, in the form of blast design parameters, and using a second processor to run blast design software to convert the blast design parameters into a blast design.

21: 2024/05007. 22: 2024/06/26. 43: 2025/01/03
51: A61B

71: Jilin University
72: Yingchao Zhang, Taiyuan Liu, Ziwen Gao, Xu Huang, Ying Shi, Xuying Gong
33: CN 31: 202410620151.0 32: 2024-05-17
54: A BREAST TUMOR BIOPSY DEVICE
00: -

The invention relates to the technical field of medical appliance, in particular to a breast tumor biopsy device, which comprises a gun base and an outer shell, the outer shell is fixed on the upper end of the gun base, the lower end of the gun base is inclined and fixed with a handle, the gun base is connected with a back arm through an elastic rotation of the trigger, and the upper side of one end of the back arm is fixed with a trigger clasp; By contacting one end of the sleeving pipe with the tumor wall, and then pushing the gun barrel and graduated tube out of the sleeving pipe through the stimulating component, the gun barrel punctures the tumor wall, inserting two thrust rings with your finger to push the graduated tube and push the target block into the tumor. The depth of the target block can be adjusted by yourself according to the scale. After the target block is pushed into the tumor, pull the thrust ring and pull the graduated tube back into the gun barrel, and then continue to pull the thrust ring. Both the gun barrel and the graduated tube can be pushed back into the sleeving pipe, and the sleeving pipe can be pulled out to avoid the residual tumor cells in the needle path and avoid causing tumor planting.



21: 2024/05008. 22: 2024/06/26. 43: 2025/01/03
51: C12G

71: Hanzhong Ruijiahong Agriculture Co., Ltd.

72: Long Wang

33: CN 31: 202310853189.8 32: 2023-07-12

54: A PURE GRAIN RHIZOMA POLYGONATI RICE WINE AND A BREWING METHOD THEREOF

00: -

The invention relates to the technical field of wine making, in particular to a pure grain rhizoma polygonati rice wine and a brewing method thereof. It includes the following weight ratio components: Rhizoma polygonati is 20%, excipient is 75% and distiller's yeast is 5%; The beneficial effects of the invention are as follows: The invention proposes a pure grain rhizoma polygonati rice wine and the brewing method thereof. By adding rhizoma polygonati as brewing raw material, the rice wine has better and richer taste, and has the effects of invigorating energy and nourishing body and benefiting kidney; Due to the addition of honey, on the basis of ensuring the nutritional value of rice wine itself, it can improve the taste of rice wine, and its brewing method is simple and easy to achieve.

21: 2024/05009. 22: 2024/06/26. 43: 2025/01/03
51: C12N; C12Q

71: ZHOUSHAN FOOD AND DRUG INSPECTION AND TESTING INSTITUTE, CHINA JILIANG UNIVERSITY

72: CHEN, Xiang, GUAN, Feng, HUANG, Zhuliang, WU, Xiansu, TANG, Leiming, LIU, Ting

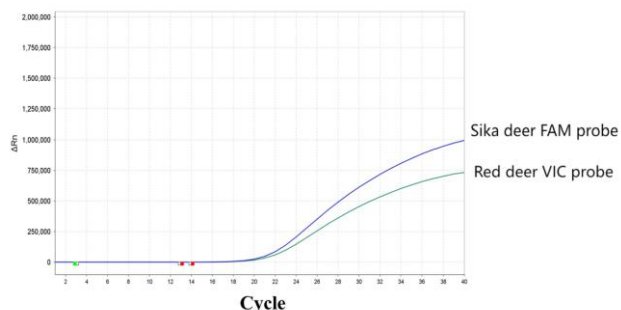
33: CN 31: 202310932112.X 32: 2023-07-26

54: PRIMER-PROBE SET AND A KIT FOR IDENTIFYING SOURCE COMPONENTS OF FEMALE DEER PRODUCTS BASED ON TWO-

PROBE TECHNIQUE, AN IDENTIFICATION METHOD AND APPLICATIONS

00: -

The present disclosure relates to the technical field of detection and identification of animal-derived components. The present disclosure provides a primer-probe set and a kit for identifying the source components of female deer products based on two-probe technique, an identification method and applications, including an upstream primer X221-F, a downstream primer X221-R, a sika deer FAM probe X221-nippon and a red deer VIC probe X221-elaphu. Using the identification and detection method of the present disclosure, the authenticity of female deer products and the identification of their hybrid source can be realized, the operation is convenient, the accuracy is high, and it can provide detection methods of deer products for the food and drug supervision department.



21: 2024/05011. 22: 2024/06/26. 43: 2025/01/03
51: B01J; C10G

71: VERSALIS S.P.A.

72: FELISARI, Riccardo, GALEOTTI, Armando, NODARI, Mirco, BONACINI, Francesco, PONTICIELLO, Antonio

33: IT 31: 102021000033059 32: 2021-12-30

54: METHOD FOR MONITORING A CONTROL PARAMETER ON A SUBSTANTIALLY PLASTIC MATERIAL, RELATING TO APPARATUS AND PYROLYSIS PROCESS WHICH USES THIS METHOD

00: -

The present invention is related to the treatment of plastic material to be destined for chemical recycling processes for the valorisation of substantially plastic material otherwise destined for disposal. In particular, the invention concerns a process for the pyrolysis of substantially plastic material to obtain at least liquid hydrocarbons at 25 degrees C comprising the following steps: a) feeding to a

pyrolysis reactor a substantially plastic material at least partially in the molten state; b) subjecting said substantially plastic material fed to a pyrolysis reactor to at least an analytical measurement "Ax" with in-line mode; c) determining the value of at least one "Px" property of said substantially plastic material by means of said at least one analytical measure "Ax"; d) installing at least one "Ox" parameter of the pyrolysis process based on the value of this at least one "Px" property; characterised by the fact that at least one analytical measurement "Ax" provides or consists of the measurement of the spectrum in reflection of the light of the substantially plastic material.

21: 2024/05017. 22: 2024/06/26. 43: 2025/01/03
51: H01M

71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY

72: YANG, Qiuyun, WANG, Na, FAN, Xiaoyu, XIE, Ke, LV, Chengyun, CHEN, Yuan, LIU, Zining, ZHANG, Lan

33: CN 31: 202211340300.5 32: 2022-10-28

54: NITROGEN-DOPED CARBON-FILM-COATED MANGANESE MONOXIDE NANOWIRE LITHIUM BATTERY MATERIAL AND PREPARATION METHOD THEREFOR

00: -

A nitrogen-doped carbon-film-coated manganese monoxide nanowire lithium battery material and a preparation method therefor. The preparation method comprises the following steps: preparing a manganese dioxide nanowire precursor by means of hydrothermal synthesis; mixing the obtained manganese dioxide nanowire precursor with dopamine hydrochloride in a water-ethanol solution, to which ammonia water is added in a dropwise manner, and continuously and magnetically stirring same to prepare a manganese dioxide nanowire coated with a polydopamine film; and annealing the obtained manganese dioxide nanowire coated with a polydopamine film in an inert atmosphere to obtain a nitrogen-doped carbon-film-coated manganese monoxide nanowire (N-C@MnO).

21: 2024/05018. 22: 2024/06/26. 43: 2025/01/03
51: A61K; C07H

71: ACADEMY OF MILITARY MEDICAL SCIENCES

72: HE, Xiaoyang, WANG, Shengqi, DENG, Xinxiu, SHI, Anzhe

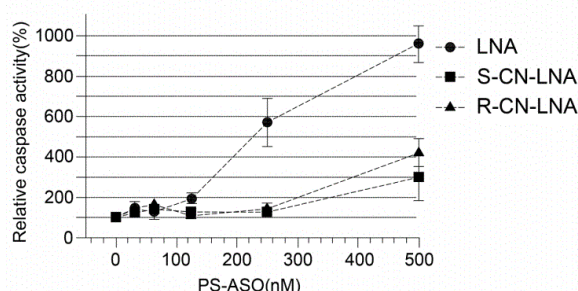
33: CN 31: 202310565102.7 32: 2023-05-18

54: 6'-CYANO-MODIFIED LOCKED NUCLEOSIDES, NUCLEOTIDES, AND NUCLEIC ACID POLYMERS

00: -

Disclosed is a 6'-cyano (CN)-modified locked nucleoside, a nucleotide, and a nucleic acid polymer (NAP), which relates to the field of biotechnology. In the present disclosure, the 6'-CN-modified locked nucleoside has a structure of R configuration or S configuration, and is further modified to obtain the nucleotide and the NAP.

Caspase 3/7 assay (Hela transfection)



21: 2024/05029. 22: 2024/06/26. 43: 2025/01/03
51: H01M

71: CENTRAL SOUTH UNIVERSITY

72: LAI, Yanqing, HONG, Bo, JIANG, Huai, LAI, Junquan, WANG, Mengran, WANG, Qiyu, LI, Jie, ZHOU, Yangen, ZHANG, Zhian, ZHANG, Kai, QIN, Furong

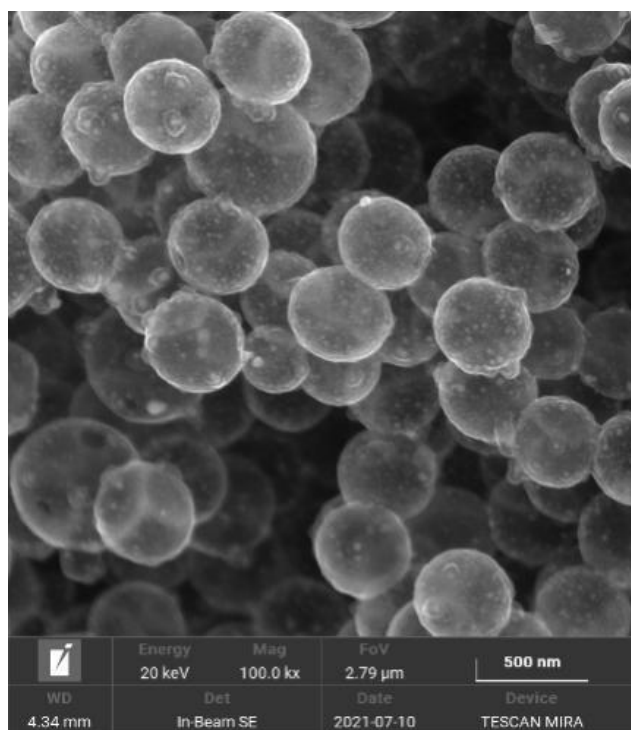
33: CN 31: 202111442827.4 32: 2021-11-30

54: LITHIUM-LOADED COMPOSITE FRAMEWORK MATERIAL, PREPARATION METHOD THEREFOR AND USE THEREOF

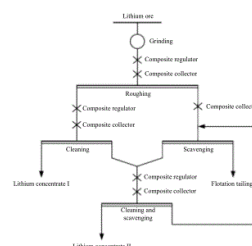
00: -

The present invention provides a lithium-loaded composite framework material, a preparation method therefor, and use thereof. The lithium-loaded composite framework material is a thin-film encapsulation structure in which a plurality of hollow thin-walled carbon nanospheres are encapsulated; the inner walls of the hollow thin-walled carbon nanospheres are compounded with low lithium precipitation overpotential nanoparticles; a thin film is a high lithium precipitation overpotential film layer; the film layer is a single-layer or multilayer; the film layer is selected from a carbon layer, a polymer film layer, a solid electrolyte film layer, an oxide film layer, or ion/electron mixed conductor film layer; the low lithium precipitation overpotential nanoparticle is

defined as a simple substance or compound having a lithium reaction potential of greater than 0 V; the high lithium precipitation overpotential film layer is defined as a film layer in which an electrodeposition potential of lithium on the surface is less than 0 V. Compared with the thin film, the inner wall of the lithium-loaded composite framework material in the present invention has a lower lithium precipitation potential, so that lithium ions are selectively induced into a carbon cavity and uniformly deposited in the carbon nanosphere, thereby achieving the encapsulation and continuous and uniform deposition/dissolution of lithium metal.



traditional flotation process used by lepidolite ore with high slime content, the present invention uses a composite regulator and a composite collector to cooperatively control froth and inhibit slime, such that an enrichment effect and a sorting index of lepidolite in the ore are promoted, most lepidolite in the ore can be recovered only by primary roughing operation, the grade of lithium ore can be ensured only by primary cleaning operation, and recovery of the lepidolite ore by short-process flotation is realized. Middlings produced by flotation do not return to roughing and cleaning operations, which avoids accumulation and circulation of the slime in a flotation system.



21: 2024/05035. 22: 2024/06/27. 43: 2025/01/03
51: A01N

71: Lingnan Normal University
72: SONG, Xiuli, YAO, Yanpo, ZHANG, Wu, QU, Zheng, ZHANG, Chenchen, ZHANG, Pinmiao, ZHAO, Jingwen

54: METHOD FOR INHIBITING PLANT PATHOGENIC BACTERIA AND/OR CONTROLLING PLANT DISEASES, COMPOUND BACTERIOSTATIC AGENT AND APPLICATION
00: -

Disclosed in the present invention is an application of a strain composite in preparation of a product for inhibiting plant pathogenic bacteria and/or controlling plant diseases. The strain composite includes Bacillus sp. ZJh and Trichoderma atroviride T1 strains. The Bacillus sp. ZJh strain was preserved in Guangdong Microbial Culture Collection Center on December 13, 2021 with the preservation number of GDMCC No: 62122. Research of the present invention shows that the compound bacteriostatic agent has broad-spectrum bacteriostasis on a plurality of plant pathogenic bacteria of different differentiation types, and a bacteriostatic rate can reach 73.27-95.41 percent. Moreover, the compound bacteriostatic agent can strongly inhibit Botrytis

21: 2024/05034. 22: 2024/06/27. 43: 2025/01/03
51: B03D

71: Kunming University of Science and Technology
72: FENG, Qicheng, WEN, Shuming, HAN, Guang, ZHANG, Qian

33: CN 31: 202310885363.7 32: 2023-07-19
54: METHOD FOR RECOVERING LEPIDOLITE BY SHORT-PROCESS FLOTATION
00: -

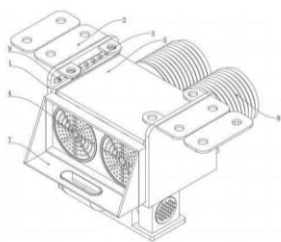
The present relates to a method for recovering lepidolite by short-process flotation. Aiming at the technical problems such as a long process, complicated operation procedures, middlings returning to deteriorated roughing and cleaning indexes, and an unstable production process in a

cinerea Pers., and an inhibition rate reaches 95.41 percent.

21: 2024/05039. 22: 2024/06/27. 43: 2025/01/03
 51: E21F
 71: Henan University of Urban Construction
 72: REN, Mingyang, LIU, Heng, AN, Dingchao, WANG, Qingguo, SHEN, Tong, SONG, Shuaiqi, LV, Dawei

54: VENTILATION SYSTEM WITH CLEANING FUNCTION FOR TUNNEL CONSTRUCTION, AND USING METHOD THEREFOR

00: -
 The present invention discloses a ventilation system with a cleaning function for tunnel construction, and a using method therefor. The ventilation system includes a top construction frame, suspension assemblies, ventilators, a protective gland, a buffer bracket, a purification assembly, diversion assemblies, and a cleaning spray frame. An outer side of the ventilators is provided with the purification assembly, and the purification assembly filters dust and cleans the protective gland. When the cleaning spray frame does not work and an amount of sludge on a bottom of a water storage tank is greater than a preset value, a stirrer stirs the sludge, and sewage stirred is discharged out of the water storage tank by means of a sewage pump.

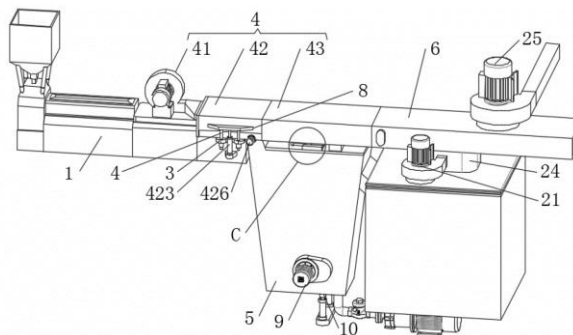


21: 2024/05044. 22: 2024/06/27. 43: 2025/01/03
 51: B29C
 71: Zhejiang Xinhengtai Advanced Material Co., Ltd.
 72: Chenglong Weng, Xin Xu, Junhua Chen, Jialin Wang, Kailiang Zhang, Lei Tang, Zhen Wang, Jun Yu, Jiahuan Qian, Chunping Chen

33: CN 31: 2023116748030 32: 2023-12-08
54: INTEGRATED FOAMING AND COOLING DEVICE FOR ULTRA-SOFT ELECTRONIC CROSS-LINKED FOAM MATERIALS

00: -
 Disclosed is an integrated foaming and cooling device for ultra-soft electronic cross-linked foam materials, including a foam molding machine, further

including an air cooling apparatus, a water cooling apparatus, and a drying apparatus, where one end of the air cooling apparatus is arranged at a discharge opening of the foam molding machine, the other end thereof is connected to the drying apparatus, and the water cooling apparatus is arranged below the air cooling apparatus and the drying apparatus. The air cooling apparatus includes a first fan, a guide assembly, and a connecting square box, where the first fan is fixedly arranged on one side above the discharge opening of the foam molding machine. The present disclosure flattens a reticular independent closed-cell structure of the foam material. Hot air in the connecting square box can be used to evaporate and remove the moisture on the surface of the foam material.



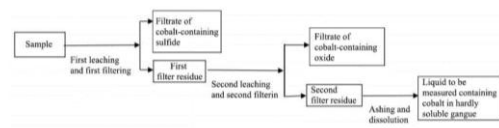
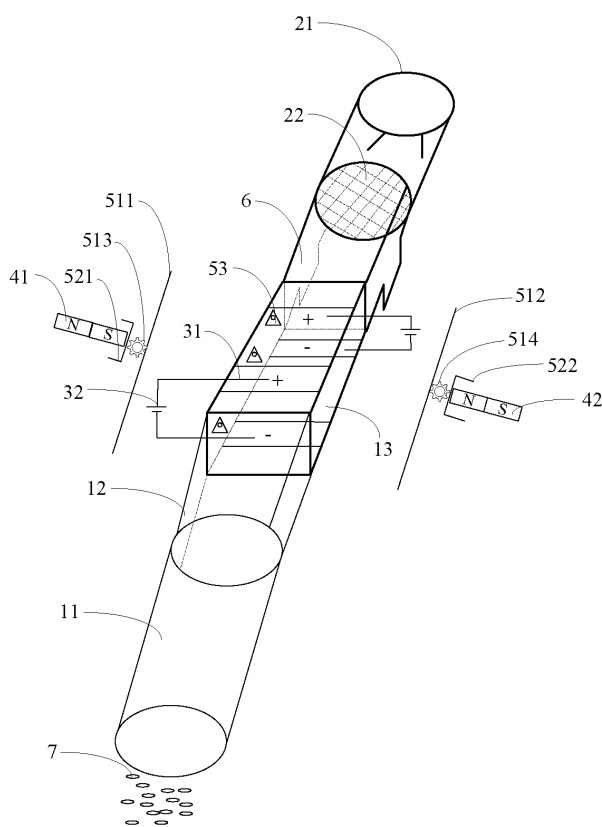
21: 2024/05078. 22: 2024/06/28. 43: 2025/01/03
 51: A01D
 71: SHIHEZI UNIVERSITY
 72: LI, Yang, NIE, Jing, LI, Jingbin, DING, Longpeng, CHAO, Xuwei, LI, Hongwei, WANG, Xianfei, YUAN, Yichen, JIANG, Jiashun, LIU, Changguo, CHEN, Jiguo, WANG, Yi

33: CN 31: 202310856425.1 32: 2023-07-12
54: JUJUBE HARVESTING APPARATUS WITH ADJUSTABLE SUCTION VECTOR AND METHOD THEREFOR

00: -
 The present disclosure provides a jujube harvesting apparatus with adjustable suction vector and a method therefor, relating to the technical field of agricultural machines. The jujube harvesting apparatus with adjustable suction vector includes: an air duct assembly, where one end of which is arranged with an air duct inlet; a wind power device arranged on one end of the air duct assembly deviating from the air duct inlet and connected to the air duct assembly, where the wind power device is used for generating wind power; an ionization device

arranged on the air duct assembly and positioned between the air duct inlet and the wind power device, where the ionization device is used for ionizing air in the air duct assembly to generate plasma; a magnetic field generating device including a first strip-shaped permanent magnet and a second strip-shaped permanent magnet; and a suction vector adjusting device including two moving assemblies, two rotating assemblies, an electromagnetic sensor component, and a control module, where the two moving assemblies are respectively arranged on the air duct assembly and located at two sides of the ionization device.

The present invention falls within the technical field of phase analysis, and particularly relates to a phase analysis method for cobalt in a copper-nickel deposit. In the present invention, cobalt-containing sulfide in copper-nickel ore is leached using saturated bromine water, cobalt-containing oxide is leached using a hydrochloric acid-hydroxylamine hydrochloride solution, and a liquid to be measured containing cobalt in hardly soluble gangue is obtained by ashing and dissolution. In the present invention, an inductively coupled plasma emission spectrometer is used to measure the radiation intensity of cobalt in a filtrate of cobalt-containing sulfide, a filtrate of cobalt-containing oxide, and the liquid to be measured containing cobalt in hardly soluble gangue, and cobalt contents in cobalt-containing sulfide, cobalt-containing oxide, and the hardly soluble gangue are obtained by combining a calibration curve of cobalt. The phase analysis method provided by the present invention has a low detection limit.

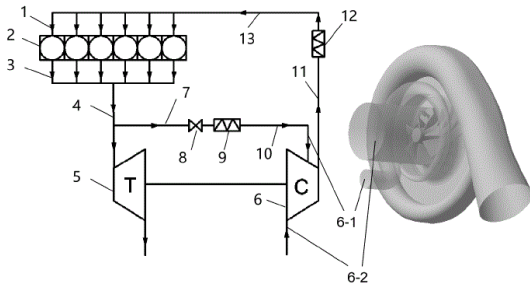


21: 2024/05081. 22: 2024/06/28. 43: 2025/01/03
 51: G01N
 71: Qinghai Geological and Mineral Testing Center (Qinghai Province Eco-environmental Geology Inspection and Testing Center)
 72: ZHU, Lin, ZHANG, Qiyun, ZHANG, Ming, LIU, Dao, SHI, Hua, ZHAO, Yuqing, ZHANG, Jianmin, ZHU, Jiajia, CHENG, Li, SU, Yuping
54: PHASE ANALYSIS METHOD FOR COBALT IN COPPER-NICKEL DEPOSIT
 00: -

21: 2024/05084. 22: 2024/06/28. 43: 2025/01/03
 51: F01B
 71: JinZhong University
 72: Wang Zhihui, Zhu Fei, Ma Chaochen
 33: CN 31: 2024105453389 32: 2024-04-30
54: HIGH-PRESSURE EGR SYSTEM FOR SUPERCHARGED ENGINE
 00: -

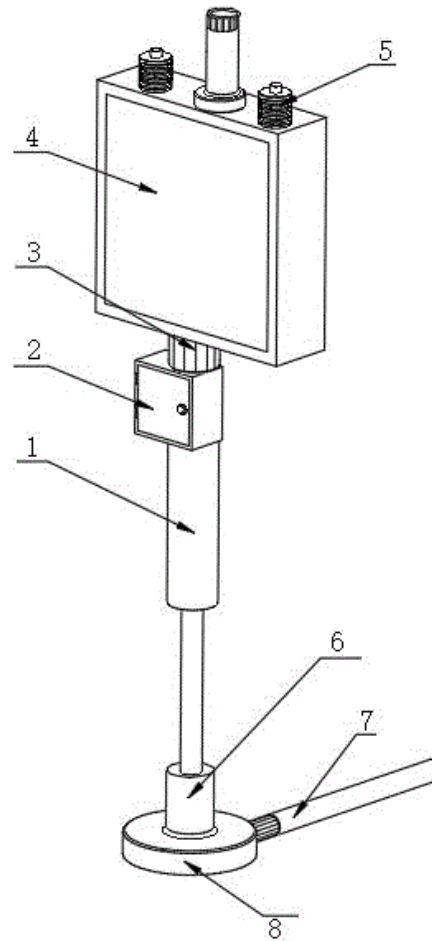
The invention discloses a high-pressure EGR system for a supercharged engine, including: an engine, an EGR loop, an intake manifold (1), an exhaust manifold (3), an exhaust pipeline (4), and a turbine (5), a compressor (6), a compressor gas induction structure inlet pipeline (10), a compressor outlet pipeline (11), a supercharger intercooler (12) and an intake pipeline (13); wherein the engine comprises at least one engine cylinder (2). The beneficial effect of the present invention lies in that exhaust gas enters the diffuser (6-5) of the compressor (6) through the gas induction structure (6-4) of the compressor, and with a low static pressure at the inlet of the diffuser (6-5), it can increase the driving force for recirculation, reduce

the exhaust back pressure of the engine, and improve the engine fuel economy. Also, the exhaust gas will still not flow through the impeller (6-6) of the compressor (6), preventing from pollution, corrosion and damage to blades of the impeller.



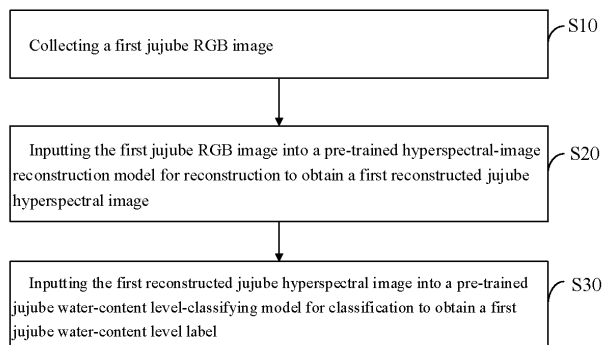
21: 2024/05085. 22: 2024/06/28. 43: 2025/01/03
 51: G01C
 71: Heilongjiang Institute of Construction Technology
 72: Sheng Guan
 33: CN 31: 202421399152.9 32: 2024-06-18
54: A MEASURING DEVICE FOR CONSTRUCTION PROJECT MANAGEMENT
 00: -

The present invention relates to the technical field of construction project management measurement, specifically to a measuring device for construction project management. The device includes a support rod, a control box, an LED screen display frame, and a measuring component. The control box is fixedly installed in the middle of the support rod, and the LED screen display frame is provided at the connection point of the control box. The support rod is installed at the support point of the measuring component. The device also includes a lifting assembly installed on the support rod and a position fixing assembly set on the support rod. In this invention, the hydraulic cylinder power can drive the hydraulic rod and the fixing column for lifting, simultaneously driving the LED screen display frame for lifting. This facilitates the overall height adjustment during the use of the construction project management measuring device. The communication installation rack on the LED screen display frame can be adjusted and replaced, allowing the communication installation rack to be used at different heights according to the regional height space requirements of construction project management after lifting.



21: 2024/05090. 22: 2024/06/28. 43: 2025/01/03
 51: G06N
 71: SHIHEZI UNIVERSITY
 72: LI, Yang, NIE, Jing, LI, Jingbin, CHEN, Jiguo, DING, Longpeng, CHAO, Xuewei, LIU, Changguo, LI, Hongwei, JIANG, Jiachen, LIU, Yajie
 33: CN 31: 202311032473.5 32: 2023-08-15
54: METHOD FOR DETECTING JUJUBE WATER-CONTENT LEVEL BASED ON HYPERSPECTRAL IMAGE RECONSTRUCTED BY RGB IMAGE
 00: -
 This application discloses a method for detecting jujube water-content level based on hyperspectral image reconstructed by RGB image, relating to the technical field of agricultural intelligence, aiming to solve a problem that the prior art uses a drying method or a distillation method to detect jujube water content, causing high time cost and high energy cost which is not facilitated detection of batch jujubes. The method for detecting jujube water-content level based on hyperspectral image reconstructed by

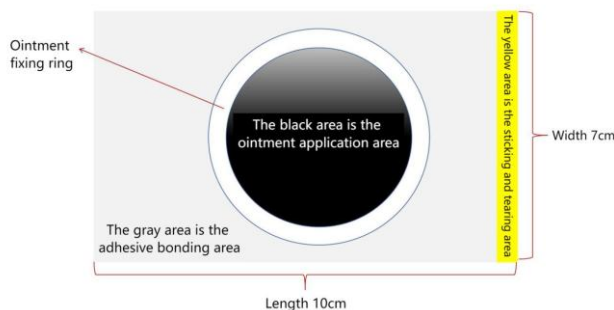
RGB image includes steps of: collecting a first jujube RGB image, where the first jujube RGB image is collected through an industrial camera; inputting the first jujube RGB image into a pre-trained hyperspectral-image reconstruction model for reconstruction to obtain a first reconstructed jujube hyperspectral image; and inputting the first reconstructed jujube hyperspectral image into a pre-trained jujube water-content level-classifying model for classification to obtain a first jujube water-content level label.



21: 2024/05091. 22: 2024/06/28. 43: 2025/01/03
 51: A61K; A61P
 71: AFFILIATED HOSPITAL OF SHAANXI UNIVERSITY OF CHINESE MEDICINE
 72: WANG, Jiehong, WANG, Qian, SHA, Zhihui, YANG, Yanyan, XU, Yongpan, LI, Li, WANG, Xianning, YOU, Jinzhi, MU, Heng, ZHAO, Lizhi, LIU, Fangfang
 33: CN 31: 2024101542345 32: 2024-02-02
54: AN EXTERNAL APPLICATION COMBINATION FOR WARMING THE STOMACH AND STOPPING PAIN, A STICKING PLASTER FOR WARMING THE STOMACH AND STOPPING PAIN AND PREPARATION METHODS

00: -
 The present disclosure relates to the technical field of traditional Chinese medicine. The present disclosure provides an external application combination for warming the stomach and stopping pain, a sticking plaster for warming the stomach and stopping pain and preparation methods. The external application combination for warming the stomach and stopping pain includes components of the following mass fractions: Folium Artemisiae Argyi 10~40 portions, Radix Aconiti 10~40 portions, Radix Aconiti Kusnezoffii 10~40 portions, Cassia Twig 10~40 portions, Ramulus Mori 10~40 portions,

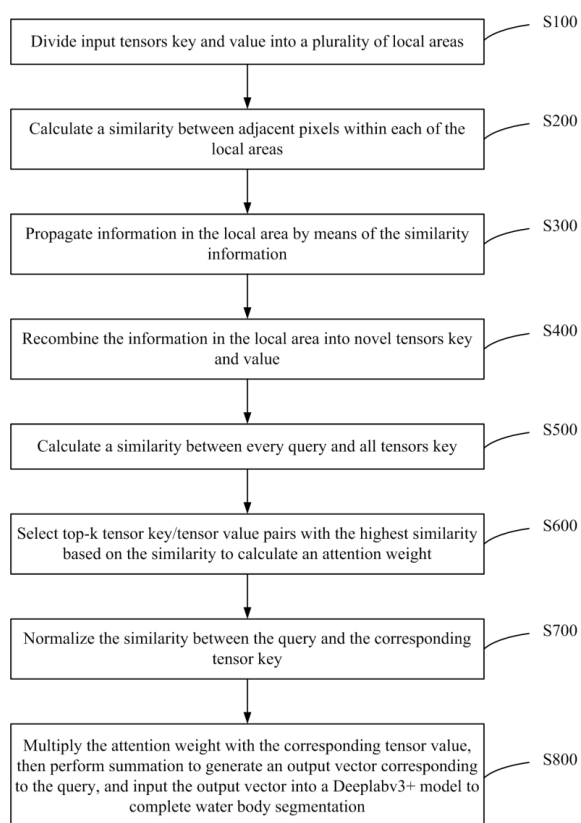
Artemisia Anomala 10~40 portions, Radix Cyathulae 10~40 portions, Papaya 10~40 portions, Olibanum (processed) 10~40 portions, Myrrh(processed) 10~40 portions, Radix Clematidis 10~40 portions, Rhizoma Homalonemae 10~40 portions, Zanthoxylum bungeanum Maxim 10~40 portions and Ligusticum Wallichii 10~40 portions. Through the synergistic effect of various crude drug, the sticking plaster for warming the stomach and stopping pain of the present disclosure has the effects of strengthening spleen to warm middle warmer, dispelling dampness and removing cold, nourishing heart and quieting spirit, etc., and it can treat insomnia caused by chronic gastritis and its accompanying anxiety, depression, mental fatigue and neurasthenia from multiple aspects.



21: 2024/05132. 22: 2024/07/01. 43: 2025/01/06
 51: G06T
 71: Shihezi University
 72: YIN Xiaojun, MA Anqiang, SHU Jikai, DING Mingrui, LIU Pengshuai, PAN Shaoliang, LI Benhao
 33: CN 31: 2024104784651 32: 2024-04-19
54: METHOD FOR SEGMENTING SMALL WATER BODY WITH HIGH ACCURACY BASED ON SPARSE ATTENTION MECHANISM

00: -
 The present invention discloses a method for segmenting a small water body with high accuracy based on a sparse attention mechanism. The method for segmenting a small water body with high accuracy based on a sparse attention mechanism includes: a lateral excitation propagation operation and global routing selection, including: dividing input tensors key and value into a plurality of local areas; calculating a similarity between adjacent pixels within each of the local areas; propagating information in the local area by means of the similarity information; recombining the information in the local area into novel tensors key and value; and

calculating a similarity between each query and all tensors key. By adding the sparse attention mechanism, features of important information are further focused; by using a local sparse method, the calculating complexity is reduced; and moreover, parameters of a DeepLabv3+ model are optimized to improve the accuracy of the DeepLabv3+ in water body segmentation.



21: 2024/05133. 22: 2024/07/01. 43: 2025/01/06
51: C05G

71: Shandong Academy of Agricultural Sciences
72: SHEN, Yuwen, LIN, Haitao, LI, Zongxin, LIU, Ping, SONG, Xiaozong, XUE, Rui

54: NITROGEN-CONTROLLING AND PHOSPHORUS-PROMOTING SYNERGISTIC COMPOUND FERTILIZER AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention relates to a nitrogen-controlling and phosphorus-promoting synergistic compound fertilizer and a preparation method and application thereof. Raw materials of the compound fertilizer include: urea, double superphosphate,

potassium chloride, trace elements, polymers, microbial mixed enzymes, modified bentonite, and modified zeolite. The compound fertilizer of the present invention enhances the slow-release effect of nitrogen in the fertilizer, slows down the fixation of phosphorus, and improves the fertilizer utilization rate by 5 percent to 7 percent.

21: 2024/05134. 22: 2024/07/01. 43: 2025/01/06
51: B24B

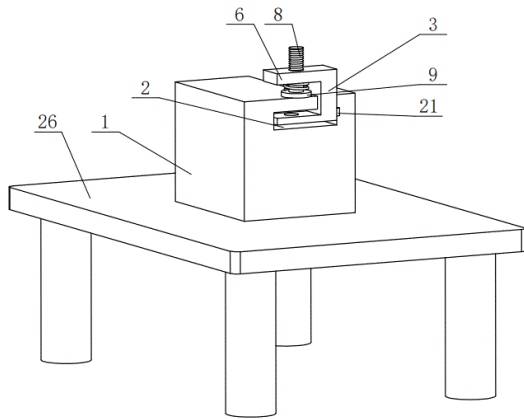
71: Nanyang Haiyuan Optoelectronic Instrument Co., Ltd

72: Tian Jiapeng

54: A DIMMING MIRROR PROCESSING AND POLISHING MACHINE

00: -

The present invention discloses a dimming mirror processing and polishing machine, comprising a rectangular block, with an L-shaped hole on top of the rectangular block. The L-shaped hole passes through the rectangular block, and the horizontal hole of the L-shaped hole is placed on the left side of the vertical hole. The upper end of the vertical hole of the L-shaped hole passes through the upper end face of the rectangular block. The L-shaped hole is equipped with an L-shaped plate, and the horizontal plate of the L-shaped plate moves up and down within the horizontal hole of the L-shaped hole. A clamping device is fixed on the horizontal plate of the L-shaped plate, and the clamping device clamps the dimming mirror to slide horizontally within the L-shaped hole; The L-shaped hole has a first polishing device and a second polishing device inside the transverse hole. The first polishing device and the second polishing device polish the upper and lower end faces of the dimming mirror; When the center of the dimming mirror on the clamping device slides to the center of the first polishing device, the lower end face of the dimming mirror is polished through the first polishing device; When the center of the dimming mirror on the clamping device slides to the center of the second polishing device, the upper end face of the dimming mirror is polished by the second polishing device, solving the problem of dismantling the dimming mirror from the clamping device after single-sided polishing.



21: 2024/05135. 22: 2024/07/01. 43: 2025/01/06
51: F16M

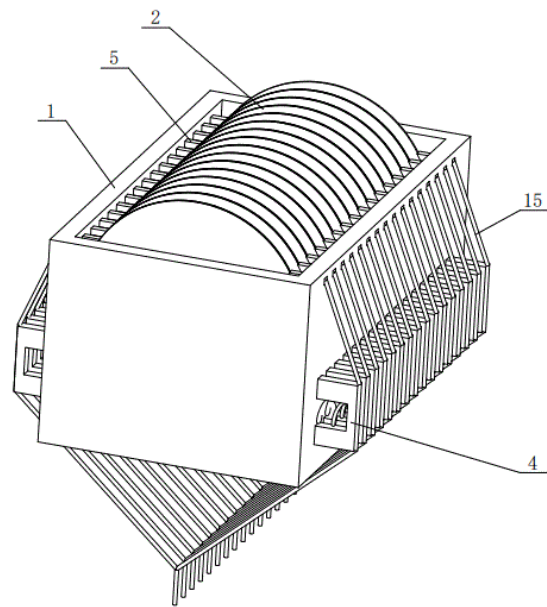
71: Nanyang Haiyuan Optoelectronic Instrument Co., Ltd

72: Tian Jiapeng

54: A PRODUCTION DEVICE AND METHOD FOR REDUCING LIGHT POLARIZATION MIRROR

00: -

The present invention discloses a production device for a light reducing polarizing mirror, comprising an upper and lower penetrating shell, with multiple light reducing polarizing mirrors sliding inside and outside the opening of the upper end face of the shell. The upper half of the left and right side walls of the inner cavity of the shell is equipped with an adjustment device, which maintains each light reducing polarizing mirror in a vertical state inside the shell; There are multiple lifting devices on the lower half of the left and right side walls of the shell, each lifting device corresponds to each dimming polarizing mirror. Each dimming polarizing mirror slides down along the adjustment device to the corresponding upper end face of the lifting device. After the dimming polarizing mirror is cleaned, a single lifting device lifts the single dimming polarizing mirror; The upper part of the adjustment device is equipped with multiple limiting devices. After the dimming polarizing mirror slides down, the limiting device prevents the dimming polarizing mirror from shaking. The present invention also includes a cleaning device, and the shell is placed inside the cleaning device to clean the dimming polarizing mirror; This invention solves the problem of easy impact on the surface of adjacent light reducing polarizers when taking and placing light reducing polarizers.



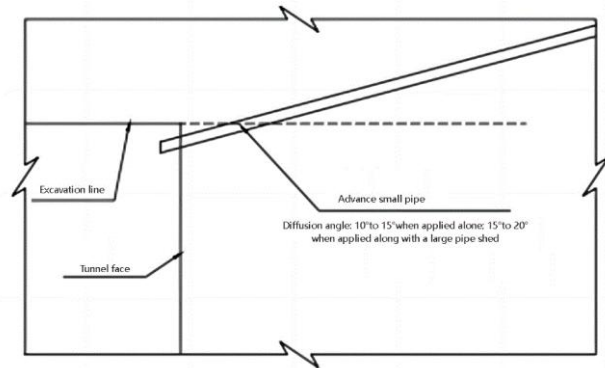
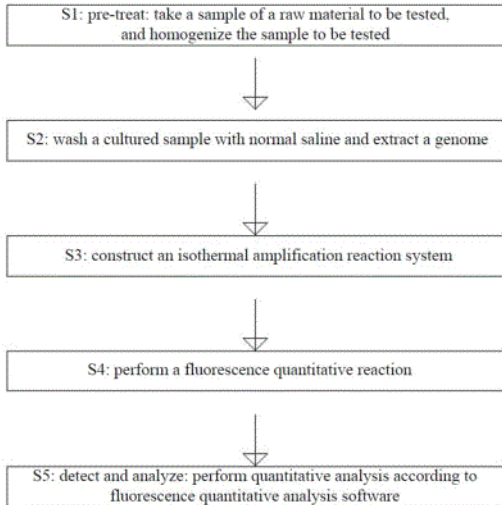
21: 2024/05137. 22: 2024/07/01. 43: 2025/01/06
51: C12M

71: JIAXING VOCATIONAL AND TECHNICAL COLLEGE, Jiaxing Shifa Poultry Industry Co., Ltd.
72: WANG, Jun, LIN, Yongqing, YU, Haijie

54: DETECTION METHOD FOR SALMONELLA IN MEAT AND EGG FOODS

00: -

A detection method for Salmonella in meat and egg foods is disclosed, including S1: pre-treating: taking a sample of a raw material to be tested, chopping and grinding the sample to be tested, then placing the sample into a sterile homogenization cup containing a diluent for homogenization, beating with a beating homogenizer, and shaking to mix well; and S2: taking out a cultured sample, washing repeatedly with normal saline, and then extracting DNA and RNA from a genome. According to the detection method, Salmonella in foods can be accurately and sensitively detected by quantitative analysis of DNA in an isothermal amplification reaction system with fluorescence quantitative analysis software. The method has a lower sample detection cost than traditional detection methods, has the advantages of simplicity, rapidity, specificity, sensitivity, and economy, and has a simple result determination method, which is suitable for use in clinical or primary laboratories.



21: 2024/05138. 22: 2024/07/01. 43: 2025/01/14
 51: E21D
 71: THE 5TH ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP, CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD.
 72: Wu Changfu, Shi Hongchao, Wang Jinbao, Yuan Yong, Yang Xing, Zhu Peng, Guo Jianqiang, He Shimei
 33: CN 31: 2023116735990 32: 2023-12-07

54: METHOD FOR TREATING DEFORMATION OF SOFT ROCK OF DIVERSION TUNNEL

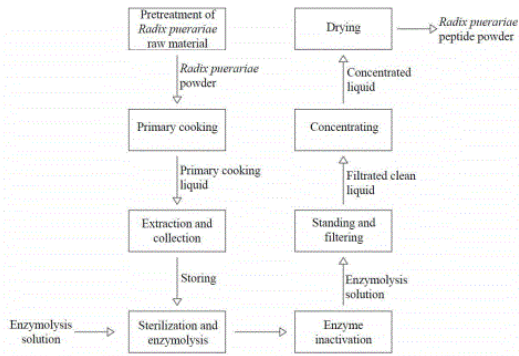
00: -
 The present invention discloses a method for treating a deformation of a soft rock of a diversion tunnel, including the following steps: (1) analyzing influencing factors on the deformation of the soft rock of the diversion tunnel; (2) taking, according to the influencing factors, preventive measures in advance for the diversion tunnel to prevent the deformation of the soft rock of the diversion tunnel; (3) treating the diversion tunnel with the deformation of the soft rock. By providing the treatment and prevention measures for the deformation of the soft rock of the soft rock tunnel, the present invention can effectively control the deformation of the soft rock tunnel, decrease the probability of deformation of the soft rock of the tunnel, greatly decrease the difficulty of construction, effectively guarantee the safety of constructors, lay a foundation for an increase in the efficiency of construction projects, provide reference for subsequent tunnel construction in a soft rock area, and promote the vigorous development of tunnel construction in China.

21: 2024/05151. 22: 2024/07/02. 43: 2025/01/06
 51: A23J

71: CHEN, Heping
 72: CHEN, Heping

54: PREPARATION PROCESS FOR HYDROLYZED AND SOLUBLE RADIX PUERARIAE PEPTIDE POWDER

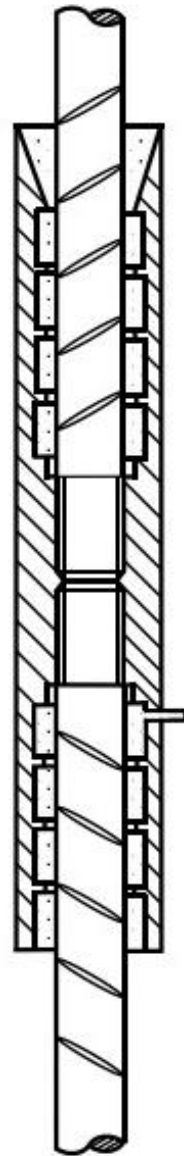
00: -
 The present invention is applied to the technical field of Radix puerariae peptide powder and discloses a preparation process for a hydrolyzed and soluble Radix puerariae peptide powder, including pretreatment of Radix puerariae raw material, primary cooking, extraction and collection, sterilization and enzymolysis, enzyme inactivation, standing and filtering, concentration, and drying. The preparation process for a hydrolyzed and soluble Radix puerariae peptide powder uses amylopectin to hydrolyze the starch molecules in the Radix puerariae powder to a certain extent, so as to reduce a branching degree of starch molecules, reduce the average molecular weight, and achieve the purpose of increasing the solubility. Based on this, citric acid added in enzymolysis solution carries out acetate chemical denaturation, and acetyl groups are added to the starch molecules, so as to increase hydrophilicity of the starch molecules, improve transparency of Radix puerariae peptide paste.



21: 2024/05152. 22: 2024/07/02. 43: 2025/01/06
 51: E04C
 71: JILIN JIANZHU UNIVERSITY
 72: SHA, Lirong, SUN, Hongfei, ZHANG, Ao, MENG, Fanlin

54: VERTICAL REINFORCEMENT JOINT SLEEVES FOR ORDINARY STEEL BARS, CONCRETE MEMBERS OR FINISHED STEEL BAR CAGES

00: -
 The present invention provides a new type reinforcement joint sleeve in the field of civil engineering. It offers vertical reinforcement joint sleeves for ordinary steel bars, concrete members, or a finished steel bar cage, and a connecting method. It addresses connections of steel bars and vertical steel bars of concrete members or finished steel bar cages. The new joint sleeve compensates for shortcomings of traditional joint sleeves and combines the advantages of screw threads and grouting methods. Made of steel or cast iron pipes, it is cost-effective and easy to purchase. The upper part cancels a grouting hole and vent hole, featuring a flared mouth for easy insertion and grouting. The sleeve can be twisted without rotating steel bars, allowing for connection force transmission. This innovation is suitable for high-strength steel bar connections, building construction, and prefabrication, enhancing safety, stability, and efficiency.

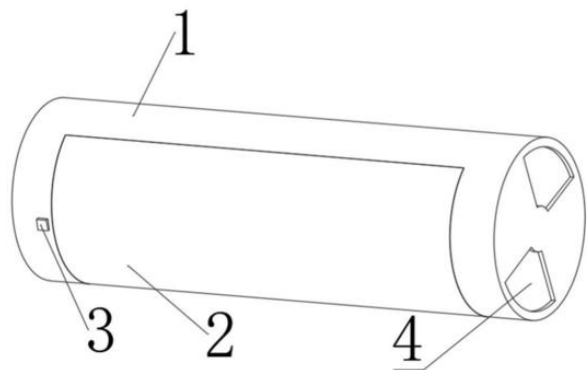


21: 2024/05154. 22: 2024/07/02. 43: 2025/01/06
 51: G06F
 71: NINGBO UNIVERSITY OF FINANCE & ECONOMICS, LINGZHI ENVIRONMENTAL CO., LTD
 72: ZHU, Zaisheng, WANG, Mingling, CHEN, Hao, LV, Xuejiao, LIU, Huiping, YE, Shunyi, LOU, Zhangli, CHEN, Fangzhe, YANG, Ziheng, SHAO, Mengkang
54: AN ENGLISH TRANSLATOR

00: -
 Disclosed is an English translator including a main frame with a front cover that is slidably connected to its side surface, a control button arranged on the front cover, a ventilation opening is provided in the side, far away from the control button, of the main

frame. A switch is connected to the inner side of the control button, a main control is connected to the side, close to the ventilation opening, of the switch structure, and the side, close to the ventilation opening, of the main control is fixedly connected to a ventilation structure. Heat dissipation of the translator increases by means of the one-button rotary switch and ventilation opening design in combination with a built-in heat dissipation fan. The design causes the main internal control to have good anti-fall and anti-shock capacity and direct contact between the main control and the outside is avoided, realizing moisture-proof waterproof function.

PUBLICATION



21: 2024/05156. 22: 2024/07/02. 43: 2025/01/06
51: C01F

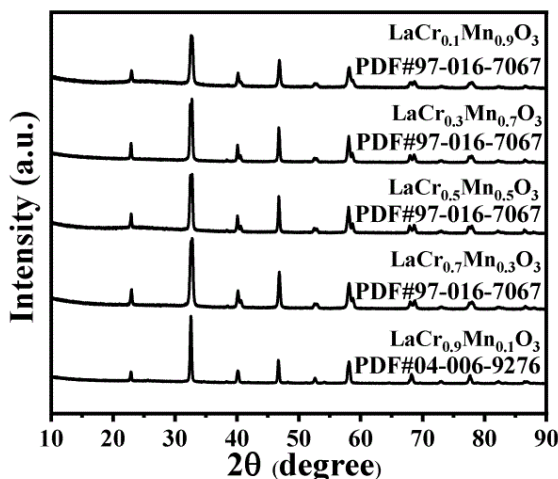
71: Inner Mongolia Minzu University
72: HU, Quanli, LIU, Jinghai, SU, Wang, LUO, Hanqiong, SONG, Chao

54: NANOTUBULAR RARE EARTH PEROVSKITE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention falls within the technical field of rare earth perovskite materials, and particularly relates to a nanotubular rare earth perovskite material and a preparation method and application thereof. The present invention provides a nanotubular rare earth perovskite material having Formula 1: $\text{LaCr}_x\text{Mn}_{1-x}\text{O}_3$ Formula 1, where x is any value from 0.1 to 0.9. The present invention increases the oxygen vacancy concentration by adding manganese in LaCrO_3 , effectively improving the charge storage capacity. The nanotubular rare earth perovskite material provided by the present invention has dual functional properties, exhibits high specific capacity and good magnetic

performance, and can be applied to supercapacitors and spintronic devices.



21: 2024/05157. 22: 2024/07/02. 43: 2025/01/06
51: A01G

71: South China Agricultural University, Zhongkai University of Agriculture and Engineering
72: Zhixiang ZHANG, Jiyongzi WU, Hanhong XU, Dongmei CHENG, Suqing HUANG

54: LIQUID MEDICINE FERTILIZER FOR DISEASE RESISTANCE AND PEST CONTROL AND ITS PREPARATION METHOD

00: -

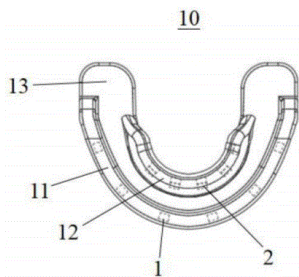
The invention discloses a liquid medicinal fertilizer for disease resistance and pest control and its preparation method. The liquid medicinal fertilizer comprises the following raw materials: citrus juice, microbial inoculant, macroelement fertilizer, microelement fertilizer, pesticide, water-soluble spacer, solvent, and the remaining amount is water. The liquid medicine fertilizer of the invention solves the pollution problem of citrus pulp in the environment.

21: 2024/05158. 22: 2024/07/02. 43: 2025/01/06
51: A61C

71: UNION HOSPITAL, TONGJI MEDICAL COLLEGE, HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: CHEN, Lili, SUN, Jiwei, TANG, Qingming, ZHANG, Junyuan

33: CN 31: 202210986748.8 32: 2022-08-17
54: MAGNETIC FIELD ADJUSTABLE MICRO-MAGNETIC ORTHODONTIC ACCELERATOR
00: -

The present disclosure provides a magnetic field adjustable micro-magnetic orthodontic accelerator (10), and relates to the technical field of medical instruments. The magnetic field adjustable micro-magnetic orthodontic accelerator is of a dental brace structure composed of a buccal side plate (11), a lingual side plate (12), and a support plate (13), and buccal side magnets (1) and lingual side magnets (2) are arranged in the buccal side plate (11) and the lingual side plate (12), respectively. The buccal side magnets (1) and the lingual side magnets (2) form a micro-magnetic field environment around the roots of the teeth to be moved by orthodontic treatment, effectively compensating the physiological magnetic field loss caused by the traction of the orthodontic accessories on the teeth, thus promoting the metabolism and reconstruction of the periodontal tissue of the teeth to be moved, and accelerating the process of orthodontic tooth movement.

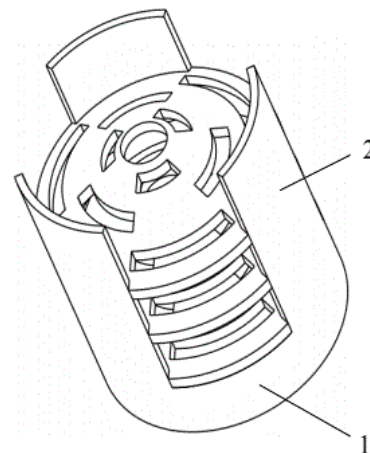


21: 2024/05177. 22: 2024/07/03. 43: 2025/01/06
 51: A01K
 71: HAINAN TROPICAL OCEAN UNIVERSITY
 72: YANG, Chaojie, CHEN, Yan, JIA, Chuan, TONG, Yuhe, WANG, Haishan, WEI, Yuan

54: JUVENILE FISH PROTECTION REEF

00: -
 Disclosed in the present invention is a juvenile fish protection reef. The juvenile fish protection reef includes a cylindrical bottom shell, where a top end of the bottom shell is open, and the top end of the bottom shell is provided with three circular arc-shaped vertical baffles at equal intervals. A first tapered baffle, a second tapered baffle and a third tapered baffle are sequentially and fixedly arranged on inner walls of the three vertical baffles from top to bottom, the first tapered baffle, the second tapered baffle and the third tapered baffle are provided with a plurality of juvenile fish passing holes, the first tapered baffle, the second tapered baffle and the third tapered baffle are parallel to one another, and

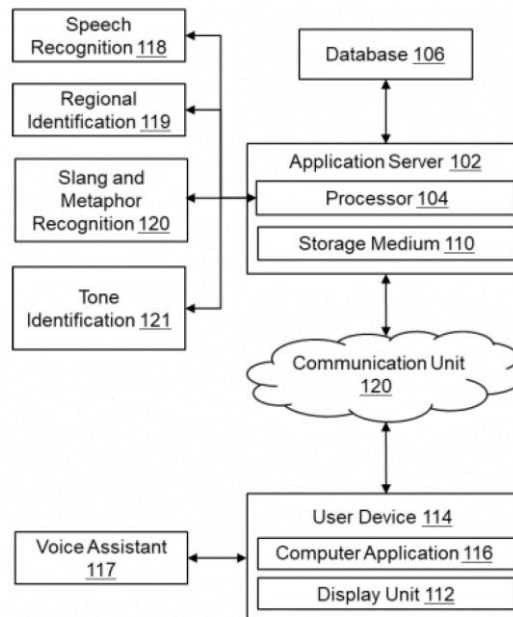
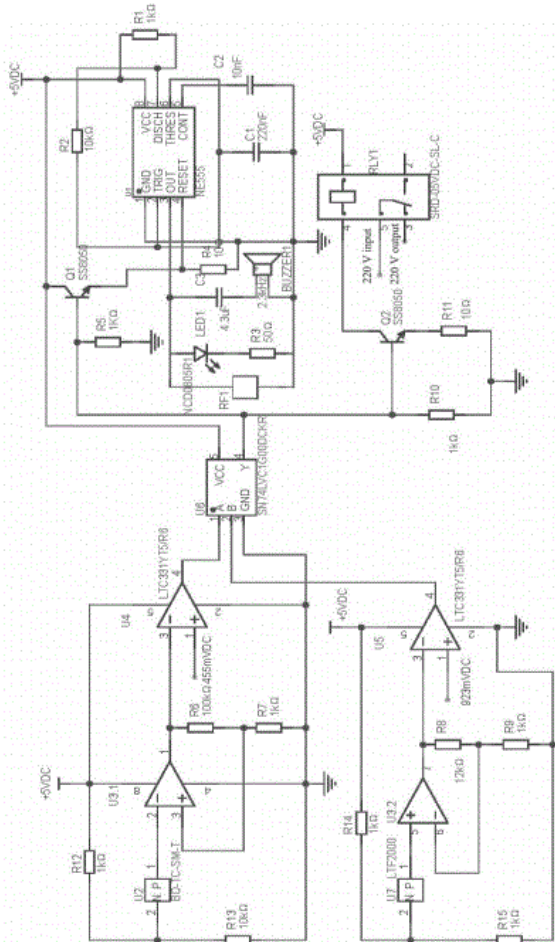
the first tapered baffle, the tapered conical baffle and the third tapered baffle protrude upwards.



21: 2024/05178. 22: 2024/07/03. 43: 2025/01/06
 51: H02H
 71: Kunming University of Science and Technology Oxbridge College
 72: XIONG, Hao

54: REMOTE ALARM CIRCUIT FOR ELECTRIC PRESSURE COOKER

00: -
 The present invention discloses a remote alarm circuit for an electric pressure cooker in the field of power electronics, including: one end of a temperature detection module is connected to pin 1 of a NAND gate U6, and the other end of the temperature detection module is grounded along with pin 3 of the NAND gate U6; one end of a pressure detection module is connected to pin 2 of the NAND gate U6; one end of an alarm module is connected to pin 4 of the NAND gate U6, and the other end of the alarm module is connected to pin 5 of the NAND gate U6; a wireless transmission module RF1 in the alarm module can perform remote wireless transmission of alarm signals.



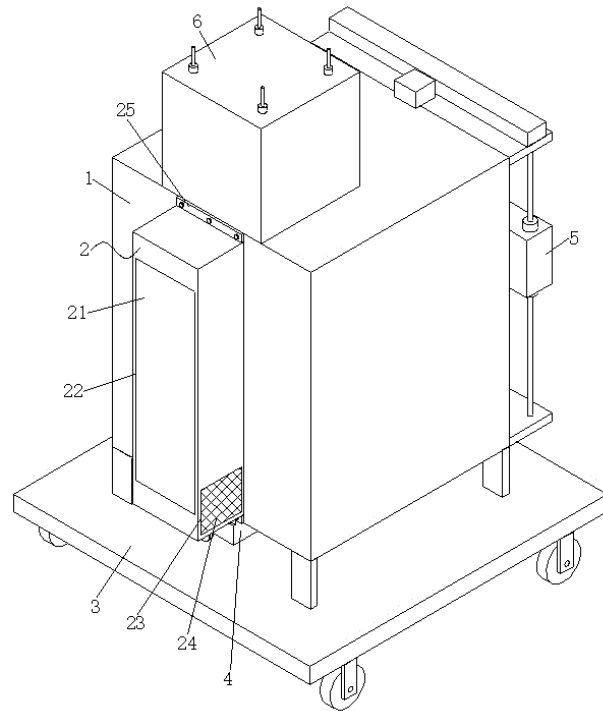
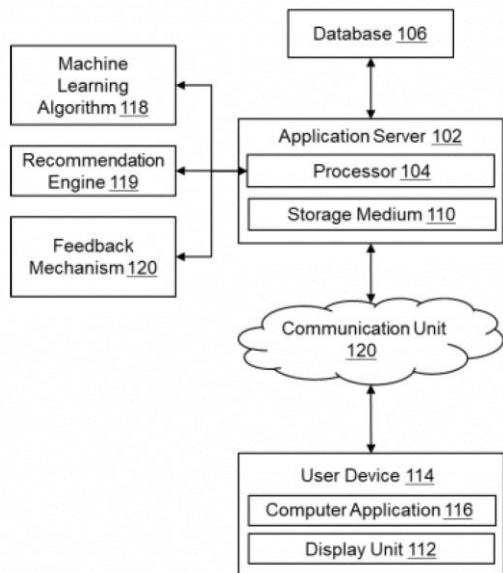
21: 2024/05180. 22: 2024/07/03. 43: 2025/01/08
 51: B65D
 71: Nagaland University
 72: Ashish Kumar, Kailash Chandra Juglan, Prateek Agrawal
 33: IN 31: 202431038028 32: 2024-05-15
54: A MOBILE APPLICATION USING MACHINE LEARNING FOR IDENTIFICATION OF HINDI LANGUAGE AS PER REGION

00: -
 This invention is a mobile application for identifying types of Hindi language. The system identifies types of Hindi based on regional variations, slang, metaphors, and tone using voice assistance. Further, the system combines linguistic analysis, natural language processing (NLP), and speech recognition technologies. The system further provides tone identification to analyze the tone and emotion of the speaker's voice, identifying patterns such as assertiveness, politeness, sarcasm, or humor.

21: 2024/05181. 22: 2024/07/03. 43: 2025/01/08
 51: B65D
 71: Nagaland University
 72: Mithilesh Kumar Sinha, Kailash Chandra Juglan, N Albert Khizho, Prateek Agrawal
 33: IN 31: 202431040906 32: 2024-06-27
54: MOBILE APPLICATION FOR SMART INVESTMENT SUGGESTIONS

00: -
 This invention is a mobile application for smart investment suggestions. The user creates a profile using mobile application by providing information such as income, expenditure, financial goals, risk tolerance, and investment preferences. The system utilizes machine learning algorithms to analyze the user's financial data and identify investment opportunities that align with their profile and goals. Based on the analysis, the application generates personalized investment recommendations. The application continuously monitors the user's financial situation and adjust recommendations accordingly. Users may provide feedback on the recommendations and overall experience, helping the application improve its algorithms and services over time.

100



21: 2024/05182. 22: 2024/07/03. 43: 2025/01/06
51: E04G

71: Chongqing Polytechnic University of Electronic Technology

72: Yan Liao

54: A CRACK REPAIR DEVICE FOR CONSTRUCTION

00: -

The present invention discloses a crack repair device for construction, belonging to the technical field of construction. It includes an automated mover, with a mixing box mounted on the upper end of the automated mover. The upper end of the mixing box is equipped with a pressurizing structure, and the interior of the mixing box contains a stirring structure. A protective assembly is positioned on one side of the mixing box corresponding to the stirring structure. This invention features a thermal insulation structure, with an empty slot inside the panel of the mixing box, fixed with a vacuum insulation panel and thermal insulation foil. The combination of these components provides excellent thermal insulation, effectively preventing heat dissipation from the box and offering superior thermal protection. The invention also includes a protective assembly that fixes a protective box to the surface of the mixing box. This protective box shields the stirring gear assembly and the stirring driver, effectively preventing dust contamination and reducing wear during gear operation.

21: 2024/05183. 22: 2024/07/03. 43: 2025/01/06
51: E02D

71: China First Highway Engineering Co., Ltd., Nanjing Tech University

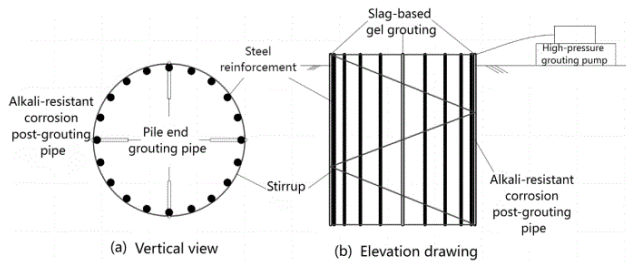
72: Leilei GU, Shengnian WANG, Haiyan JIANG, Zhijian WU, Jitao DAI, Jiancai HAO, Xingwang PENG

54: A POST-GROUTING METHOD AND CONSTRUCTION TECHNOLOGY FOR SLAG-BASED GEL MATERIAL CAST-IN-PLACE PILE

00: -

A post-grouting method and construction technology for slag-based gel material cast-in-place pile, comprising: at least four grouting pipes are arranged on the pile side along an outer circumference of a steel reinforcement cage, and at least two grouting pipes are arranged at the pile end, and the grouting pipe is connected to a grouting device; after the strength of the cast-in-place pile reaches a certain strength, grouting, filling and compacting a high-pressure slag-based gel material slurry flow through a grouting pump to combine soil around a pile with the pile, so as to increase friction resistance of a pile side and bearing capacity of a pile end; the slag-based gel material slurry flow is prepared by metakaolin, quicklime and water glass at a water-cement ratio of 1.0-1.2; the post-grouting construction technology effectively overcomes the

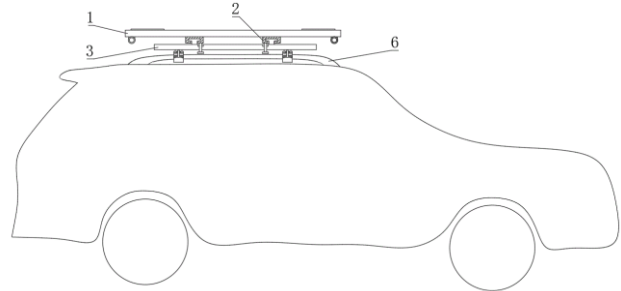
defect of large vertical settlement caused by the bottom sediment and the mudcake of the pile of the ordinary bored pile, and improves the grouting quality.



21: 2024/05184. 22: 2024/07/03. 43: 2025/01/14
 51: B64F
 71: Pastoral Water Conservancy Science Research Institute of the Ministry of Water Resources
 72: Dong Lei, Liu Yi, Li Yin, Lv Yang, Liu Yanling, Zhou Hui, Liu Yue, Li Huimin, Chai Shaoqi
 33: CN 31: 2024200976906 32: 2024-01-16

54: PORTABLE VEHICLE-MOUNTED APRON FOR UNMANNED AERIAL VEHICLES

00: -
 The invention discloses a portable vehicle-mounted apron for unmanned aerial vehicles, which comprises parking plates, the number of the parking plates is two, and the two parking plates are rotatably connected; a rigid connection mechanism is arranged between the two parking plates; a connecting assembly, which comprises a plurality of cross beams, and the cross beams are fixedly connected to bottom surfaces of the parking plates; the cross beam is connected with a moving rod in a sliding way; a fixing mechanism is arranged between the moving rod and the cross beam; the moving rod is fixedly connected with an upper splint; one end of the upper splint is rotatably connected with a lower splint; the upper splint is detachably connected with the other end of the lower splint, and the upper splint and the low splint are clamped on a car luggage rack. The invention is convenient to install and disassemble on the car luggage rack, and can avoid parking the unmanned aerial vehicle on the soil ground, so that it is more convenient to use.

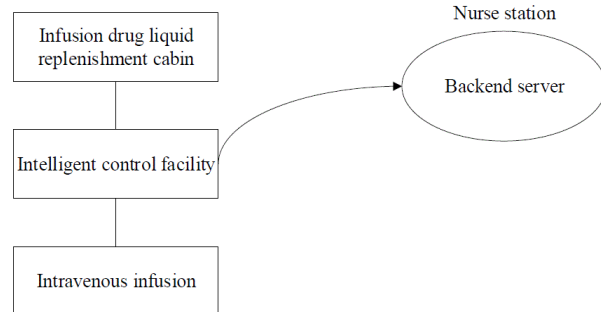
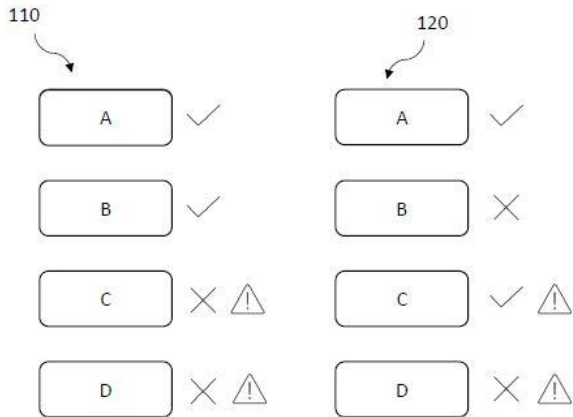


21: 2024/05185. 22: 2024/07/03. 43: 2025/01/06
 51: H04L; G06Q

71: VODAFONE GROUP SERVICES LIMITED
 72: BRISBOURNE, Simon

54: RESOURCE SHARING AND MANAGEMENT SYSTEM AND METHOD FOR DEVELOPING A TELECOMMUNICATIONS AND/OR NETWORK PRODUCT

00: -
 A resource sharing and management system comprising one or more servers of a computer network, the one or more servers configured to: provide a web page to a device connected to the computer network, the web page providing access to one or more resources provided by or located at one or more nodes of the computer network, wherein the one or more resources include information related to one or more steps in a telecommunications and/or network product development procedure. A method for developing a telecommunications and/or network product, the method comprising: providing a web page to a device connected to a computer network, the web page providing access to one or more resources provided by or located at one or more nodes of the computer network, wherein the one or more resources includes information related to one or more steps in a telecommunications and/or network product development procedure.



21: 2024/05193. 22: 2024/07/03. 43: 2025/01/07
 51: A61M
 71: Affiliated Tumor Hospital of Guangzhou Medical University
 72: Yuxiu Kong, Yumei Li, Yalan Song, Juanjuan Zhao, Meihui Sun, Long Bai
 33: CN 31: 202311542607.8 32: 2023-11-17
54: INFUSION APPARATUS, INFUSION CONTROL METHOD, AND ELECTRONIC DEVICE
 00: -

The present application relates to an infusion apparatus, an infusion control method, and an electronic device. By applying a remote and intelligent control monitoring device to an infusion system, infusion situation of patients may be seen remotely, and remote regulation and control is performed, the waste of nursing manpower and time is avoided. By applying an intelligent recognition system to the infusion system, the need for 2-person check may be reduced, and the waste of nursing manpower is reduced through combined check by a patient, a nurse, the intelligent recognition system. Economic burdens of the patient are relieved by applying intelligent alarm, anti-detachment, automatic heating systems to a clinical infusion system, so as to improve the comfort and satisfaction of the patient, such that the purpose of one machine for multiple purposes is achieved, light-shielding liquid replenishment can be performed, light avoidance and non-light avoidance conventional drugs can be preserved.

21: 2024/05205. 22: 2024/07/03. 43: 2025/01/07
 51: F42D
 71: DETNET SOUTH AFRICA (PTY) LTD
 72: LIEBENBERG, Abraham Johannes, MEYER, Tielman Christiaan
 33: ZA 31: 2022/09857 32: 2022-09-05
54: METHOD OF MANAGING A BLASTING SYSTEM
 00: -

A blasting system (10) wherein a test through-the-earth signal of predetermined strength is sent from a defined position and the strength of the signal, as received at each of a plurality of locations (24) within a blast site, is measured thereby to enable an operative zone (56) to be defined wherein at any location within the operative zone a fire command through-the-earth magnetic signal, of such predetermined strength, transmitted from the defined position, as received at such location, will have a strength above a threshold signal strength.

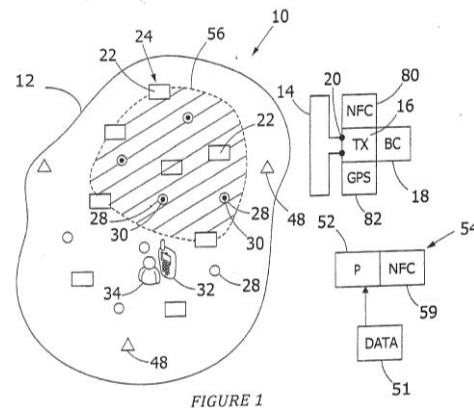


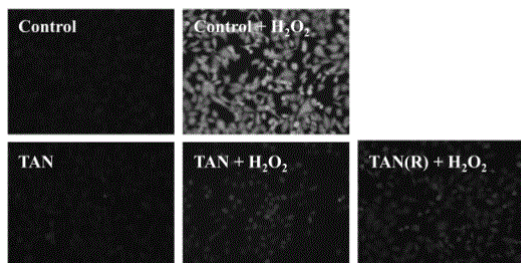
FIGURE 1

21: 2024/05212. 22: 2024/07/04. 43: 2025/01/07
 51: A23L; A61K; A61P
 71: Zhejiang University
 72: WANG, Yue, SUN, Chongde, CAO, Jinping, CHEN, Yunyi, CHEN, Jiebiao
54: APPLICATION OF TANGERETIN AND NOBILETIN MIXTURE IN PREPARING FUNCTIONAL PRODUCTS TO ACTIVATE

ABILITY OF CELLS TO RESIST OXIDATIVE STRESS

00: -

The present invention provides an application of a tangeretin (TAN) and nobiletin mixture in preparing functional products to activate ability of cells to resist oxidative stress. The products include functional foods, health care products or drugs. The TAN and nobiletin mixture can significantly increase the ability of human liver L02 cells to resist hydrogen peroxide-induced oxidative stress injury, and enhance the expression of antioxidant quinone oxidoreductase NQO1 and catalase CAT by regulating the oxidative stress-related Nrf2-Keap1-Cul3 pathways, and inhibit the ubiquitination degradation of Nrf2 by inhibiting the expression of Cul3, so as to maintain the ability of L02 cells to resist oxidative stress.

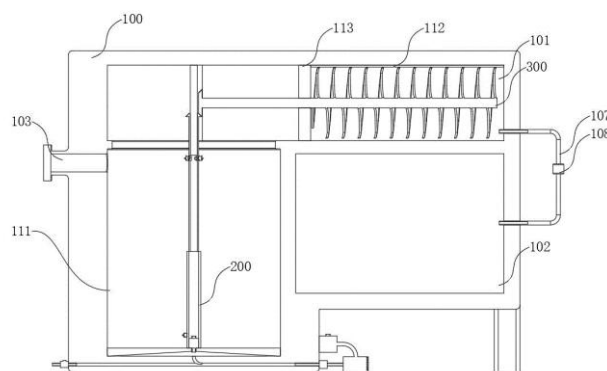


21: 2024/05214. 22: 2024/07/04. 43: 2025/01/07
 51: B01D
 71: Xichuan Coal Mine Branch, Huaneng Tongchuan Zhaojin Coal Power Co., Ltd.
 72: Jiangbo Di, Wei Yi, Tao Hu, Yuhui Miao, Bo Liu, Zhongyan Jiang
 33: CN 31: 202410781185.8 32: 2024-06-17
54: AN UNDERGROUND COAL MINE WATER RESOURCE RECYCLING DEVICE AND APPLICATION METHOD

00: -

The invention discloses an underground coal mine water resource recycling device and application method, belonging to the technical field of underground coal mine waste water treatment. The device comprises a waste water treatment shell, a waste water treatment box is arranged inside the waste water treatment shell, and a piston chassis is arranged at the inner bottom of the waste water treatment box. The upper end of the piston chassis is rotated and connected with a multi-section expansion tube. The upper end of the multi-section expansion tube is rotated and connected with a connecting shaft. The connecting shaft is

disassembled and connected with the inner top of the waste water treatment tank. The bottom of the waste water treatment box is provided with a connecting trough, and the outer wall of the waste water treatment shell is provided with a conveying pump, and the intake end of the conveying pump is communicated with the connecting trough. The delivery pump is provided to bring the external air through the through trough and connecting trough into the bottom of the piston chassis and close the second solenoid valve. Subsequently, the piston chassis is pushed upward, which enables the water inside the waste water treatment box to be pushed into the inside of the adsorption tank without residue.

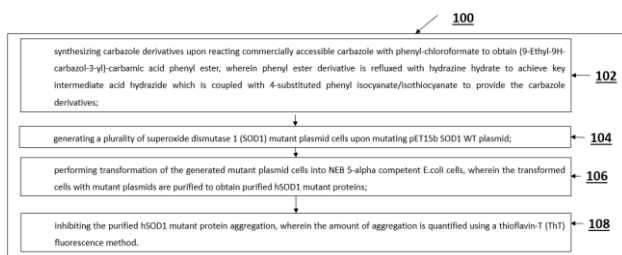


21: 2024/05217. 22: 2024/07/04. 43: 2025/01/07
 51: G01N
 71: Prof. Manisha Tiwari, Dr. Siddharth Gusain, Kajal Yadav, Dr. Chandrabhushan Mishra
 72: Prof. Manisha Tiwari, Dr. Siddharth Gusain, Kajal Yadav, Dr. Chandrabhushan Mishra
54: METHOD FOR SYNTHESIZING AND CHARACTERIZING CARBAZOLE DERIVATIVES AS MUTANT HSOD1 PROTEIN AGGREGATION INHIBITORS

00: -

A method for synthesizing carbazole derivatives as mutant hSOD1 protein aggregation inhibitors, wherein the method comprises of: synthesizing carbazole derivatives upon reacting commercially accessible carbazole with phenyl-chloroformate to obtain (9-Ethyl-9H-carbazol-3-yl)-carbamic acid phenyl ester, wherein phenyl ester derivative is refluxed with hydrazine hydrate to achieve key intermediate acid hydrazide which is coupled with 4-substituted phenyl isocyanate/isothiocyanate to provide the carbazole derivatives; generating a plurality of superoxide dismutase 1 (SOD1) mutant plasmid cells upon mutating pET15b SOD1 WT

plasmid; performing transformation of the generated mutant plasmid cells into NEB 5-alpha competent E.coli cells, wherein the transformed cells with mutant plasmids are purified to obtain purified hSOD1 mutant proteins; an inhibiting the purified hSOD1 mutant protein aggregation, wherein the amount of aggregation is quantified using a thioflavin-T (ThT) fluorescence method.



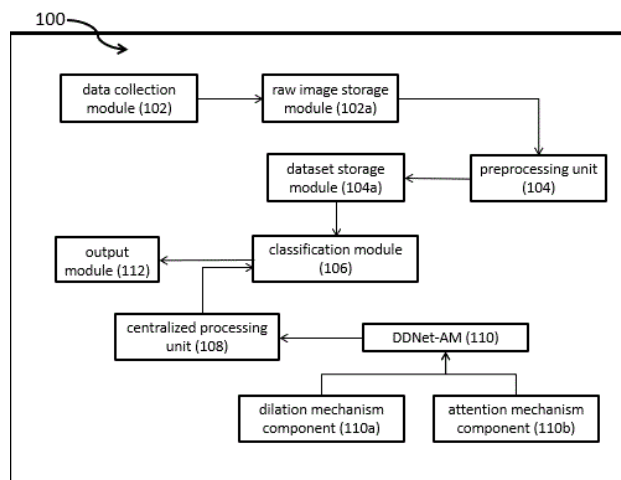
21: 2024/05218. 22: 2024/07/04. 43: 2025/01/07
51: G06F

71: Dr.Geetanjali Surange, Dr. Pallavi Khatri, Dr. Vaishali Joshi, Dr. Keerti Shrivastava

72: Dr.Geetanjali Surange, Dr. Pallavi Khatri, Dr. Vaishali Joshi, Dr. Keerti Shrivastava

54: AN IOT FORENSIC DATA ACQUISITION SYSTEM

00: -
The present invention relates to an IoT forensic data acquisition system, specifically to a system for performing data acquisition for forensic analysis applications. The proposed IoT forensic data acquisition system acquires and analyzes digital data from IoT devices for forensic purposes. The system comprises an IoT device, an edge device with an Android Debug Bridge (ADB) interface to extract data from the IoT device using ADB shell commands, and a disk dump utility to create a binary disk image of the IoT device's storage. An analysis module processes the extracted ADB data in plain text format and reconstructs the binary disk image into human-readable form. A network traffic capture module analyzes network packets exchanged between the devices. The analysis module performs artifact search and forensic analysis on the processed data, enabling unified analysis of artifacts collected from various IoT ecosystem sources. The system streamlines legally and forensically sound IoT data acquisition and analysis, overcoming limitations of existing tools.



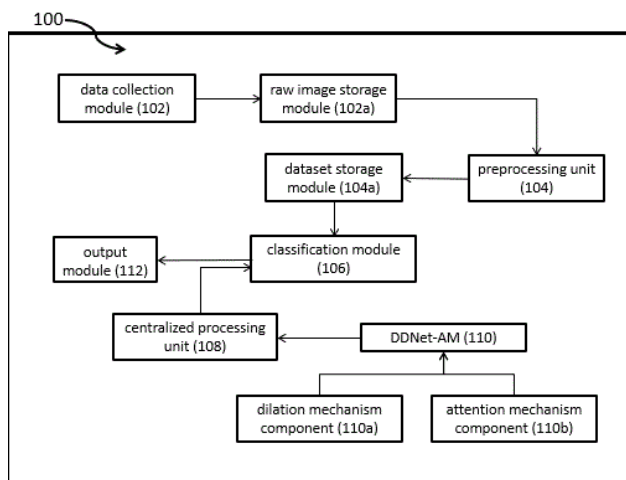
21: 2024/05219. 22: 2024/07/04. 43: 2025/01/07
51: G01N

71: PRASANALAKSHMI BALAJI, SYARIFAH BAHYAH RAHAYU, RAJALAKSHIMI VASUDEVAN, GEETHA KANDASAMY, AYESHA SIDDIQUA, VENKATESAN KOTTESWARAN, SANDEEP SINGH SENGAR

72: PRASANALAKSHMI BALAJI, SYARIFAH BAHYAH RAHAYU, RAJALAKSHIMI VASUDEVAN, GEETHA KANDASAMY, AYESHA SIDDIQUA, VENKATESAN KOTTESWARAN, SANDEEP SINGH SENGAR

54: A SYSTEM AND METHOD FOR LUNG AND BREAST CANCER DETECTION USING HISTOPATHOLOGICAL IMAGES

00: -
The present invention relates to a system and method for lung and breast cancer detection using histopathological images from biopsies, utilizing a novel Dilated Densenet with Attention Mechanism (DDNet-AM). The system comprises a data collection module for lung and breast HPI datasets, and a classification module with the DDNet-AM model integrating densenet, dilated convolutions, and attention mechanisms. The method involves collecting HPis, inputting them into the DDNet-AM, applying dilated convolutions and attention focusing, and classifying lung/breast cancer from the processed outputs. Experimental analysis demonstrates the DDNet-AM's superior performance compared to traditional models, with up to 7% higher recall for lung cancer detection over DNN, CNN, VGG19, and Densenet models, validating its efficacy for efficient cancer diagnosis using HPis.



21: 2024/05220. 22: 2024/07/04. 43: 2025/01/07
51: G05D

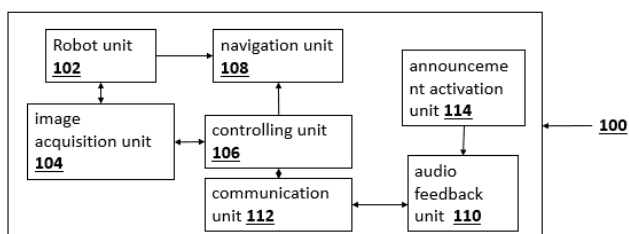
71: Vaibhav Malviya, Rahul Kala

72: Vaibhav Malviya, Rahul Kala

54: ROBOT NAVIGATION SYSTEM BASED ON BEHAVIOURAL FINITE STATE SOCIAL MACHINE AND A METHOD THEREOF

00: -

A robot navigation system (100), comprises of: a robot unit (102) comprising: an image acquisition unit (104) for capturing real-time image of a visitor; a controlling unit (106) for generating command signals to manage speed of the robot unit; a navigation unit (108) for generating a navigation route for moment of the robot unit (102) from source site to a plurality of destination sites based on a behavioural finite state social machine; a plurality of audio feedback unit (110) for providing a plurality of audio feedback to the visitor separately for the missing visitor and explaining details of a site; and an announcement activation unit (114) for controlling the function of the plurality of audio feedback unit (110) by activating a single audio feedback unit at a time from the plurality of audio feedback unit (110) to provide the audio feedback.



21: 2024/05221. 22: 2024/07/04. 43: 2025/01/14
51: C07D

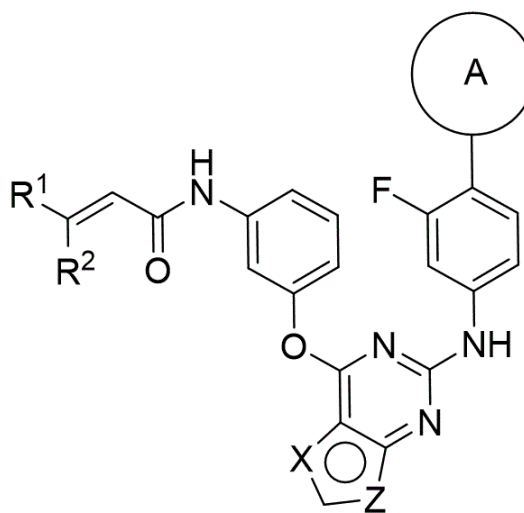
71: Chuzhou University

72: JIN Xin, XIE Yuliang, LIU Changzhi, XIE Yuxiang, QIAN Hu

54: THIENOPYRIMIDINE HETEROCYCLIC COMPOUND WITH TARGETED TYROSINE KINASE INHIBITORY ACTIVITY, PREPARATION METHOD AND MEDICAL APPLICATION THEREOF

00: -

The present invention relates to a heterocyclic compound with targeted tyrosine kinase inhibitory activity of epidermal growth factor receptor (EGFR) mutation, a preparation method and a medical application thereof. Specifically, the present invention relates to a compound having formula (I), a preparation method thereof, a pharmaceutical composition containing the same and an application as a tyrosine kinase inhibitor (TKI) of EGFR mutation in medicine for preventing and/or treating abnormal cell growth such as cancer. The definition of each group in formula (I) is the same as that in the specification.



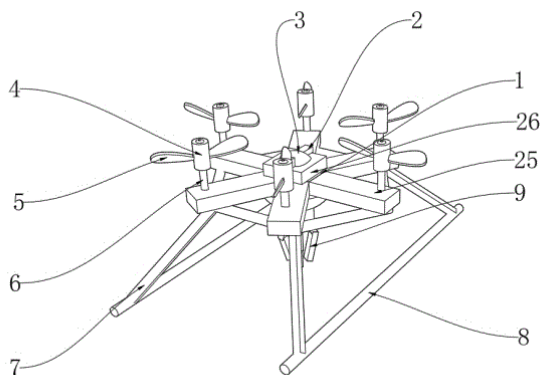
(I).

21: 2024/05222. 22: 2024/07/04. 43: 2025/01/15
51: B64C

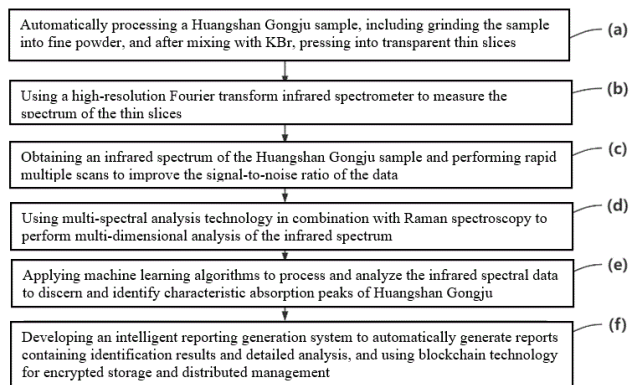
71: Fuxing (Zhejiang) Digital Technology Co., Ltd
72: LI Kai, ZHAN Kui, SHEN Fenglei, XIAO Huajie, LI Zeang, CAO Haoran, SONG Zhenfeng, MA Xihe, YANG Yubin, ZHOU Ying, XU Ruixue, GE Liuqiang, XIAO Kelin, SU Yuping

54: UNMANNED AERIAL VEHICLE FOR EMERGENCY RESCUE

00: -
 The present invention provides an unmanned aerial vehicle (UAV) for emergency rescue, including a base plate; six sides of the base plate are fixedly connected and a frame plate is uniformly distributed, a servo motor is fixedly connected at the bottom of the inner side of the frame plate, a connecting shaft is fixedly connected at the output end of the servo motor, and a rotating shaft is fixedly connected at the top of the connecting shaft. In the present invention, firstly, an infrared detector is provided inside an UAV for searching personnel and detecting on-site conditions, and an image, a map and an audio are synchronously transmitted to a search and rescue center via a signal transmitter, so as to facilitate search and rescue personnel to clarify on-site conditions and rescue.



the Huangshan Gongju sample and performing rapid multiple scans to improve the signal-to-noise ratio of the data; (d) using multi-spectral analysis technology in combination with Raman spectroscopy to perform multi-dimensional analysis of the infrared spectrum; (e) applying machine learning algorithms to process and analyze the infrared spectral data to discern and identify characteristic absorption peaks of Huangshan Gongju. The present invention improves the consistency and efficiency of sample processing through automated sample processing, achieving the technical effect of reducing human operation errors and improving the reliability of measurement results, and solving the problem of inconsistent results caused by manual sample processing in existing technologies.



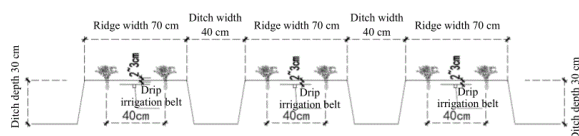
21: 2024/05246. 22: 2024/07/05. 43: 2025/01/08
 51: G01N
 71: Huangshan University
 72: ZHANG Yanfei, PAN Le, ZHANG Hujun, ZHANG Mingliang, YAO Xinzhe, SHEN Biru, YANG Yujie
54: METHOD FOR IDENTIFYING HUANGSHAN GONGJU USING FOURIER INFRARED SPECTROSCOPY

00: -
 This application relates to the technical field of plant composition identification, and discloses a method for identifying Huangshan Gongju using Fourier infrared spectroscopy, including (a) automatically processing a Huangshan Gongju sample, comprising grinding the sample into fine powder, and after mixing with KBr, pressing into transparent thin slices; (b) using a high-resolution Fourier transform infrared spectrometer to measure the spectrum of the thin slices; (c) obtaining an infrared spectrum of

21: 2024/05248. 22: 2024/07/05. 43: 2025/01/08
 51: C05G
 71: Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences
 72: HUANG, Chunyan, HAN, Kang, GUO, Xiaoxia, LI, Zhi, SU, Wenbin, TIAN, Lu, JIAN, Caiyuan, WEI, Zhigang, LIANG, Yahui, HAN, Ping'an, LIU, Chang, SONG, Jianjun, REN, Huimin, ZHANG, Peng, LIU, Jia, KONG, Dejuan, WANG, Zhenzhen, LI, Yinghao, GAO, Qiang, SUN, Mingqi, LIU, Huiyu
54: EFFICIENT RIDGING AND SALINE-INHIBITING CULTIVATION METHOD FOR SUGAR BEET IN MODERATE SALINE-ALKALI LAND

00: -
 Disclosed is an efficient ridging and saline-inhibiting cultivation method for sugar beet in moderate saline-alkali land. The method includes: carrying out autumn soil mixing, downward saline pressing, flood irrigation with an irrigation amount of 150-180 m³ during planting the sugar beet in the moderate saline-alkali land; planting the sugar beet in a two-row wide ridge, where shallow-buried drip irrigation

is employed, and drip irrigation is carried out 5-6 times in a growth stage of the sugar beet; and transplanting sugar beet seedlings with paper tubes, and applying a decomposed organic fertilizer, a humic acid type modifier, and a compound biological bacterial fertilizer as a base; where for the two-row wide ridge, a ridge distance is 110 cm, a width of an upper portion of the ridge is 70 cm, a ditch width of the ridge is 40 cm, and a height of the ridge is 30 cm.



21: 2024/05249. 22: 2024/07/05. 43: 2025/01/08
 51: G01N
 71: Tai'an Institute For Food and Drug Control (Tai'an Fiber Inspection Institute)
 72: Cuihua LIN, Guoli JI, Chao YIN, Xia CHEN, Qing YU

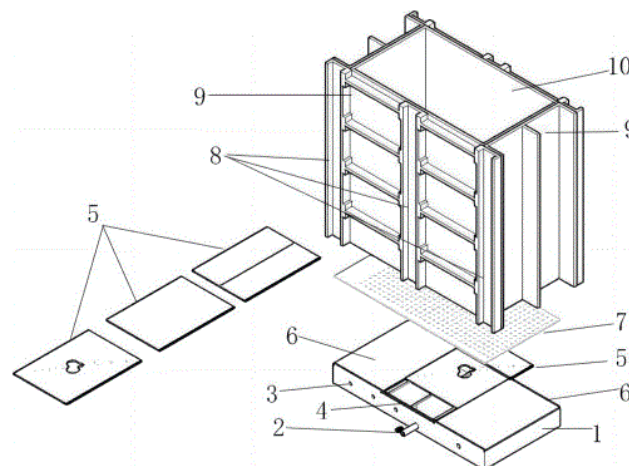
54: RAPID SAMPLING DEVICE AND METHOD FOR FOOD AND DRUG TESTING

00: -
 The disclosure relates to the technical field of sampling devices, and discloses a rapid sampling device and method for food and drug testing. The rapid sampling device for food and drug testing includes a worktable. A top of the worktable is fixedly provided with a tank. One side of a top of the tank is communicated with a hose. One side of the hose is communicated with a transparent sampling tube for sampling a food or drug. One side of the top of the worktable is fixedly provided with a sampling box for placing the food or drug. An inner side of the tank is provided with a power assembly. The power assembly is configured to pulverize the sampled food or drug, and one side of the power assembly is provided with a cleaning assembly. While blades rotate at high speed to cut and pulverize the food or drug, the pulverizing box rotating in an opposite direction can continuously push the material to the blades so as to increase frequency of contact between the material and the blades, thereby improving pulverization efficiency. The rotation of the pulverizing box in the opposite direction helps the material form convection and rolling in the tank, so that the material can be distributed more uniformly,

thereby ensuring accuracy of a detection result of the pulverized food and drug.

21: 2024/05250. 22: 2024/07/05. 43: 2025/01/08
 51: G01N
 71: Guizhou University
 72: Bo LI, Tao WEI, Pu LIU, Lulin ZHENG, Yu YANG, Lei YANG, Beibei ZHANG, Ye LUO
54: A SIMULATION TEST DEVICE FOR CONTROLLING WATER INRUSH DISASTER AND ITS APPLICATION METHOD

00: -
 The present invention discloses a simulation test device for controlling water inrush disaster and its application method, which belongs to the field of hydrogeology research technology, the device comprises a box body and a water storage tank, the periphery of the box body has a reinforcing rib, and the bottom of the box body has the water storage tank, the outer wall of the box body is provided with a number of monitoring components, the top of the water storage tank has a variable channel partition board and a water baffle, the upper part of the variable channel partition board and the water baffle is provided with a permeable plate. There are a number of water inlets on the side wall of the water storage tank and a drainage valve at the bottom of the inlet plate. The device can achieve the water inrush phenomenon of pressure through different water channels and water injection pressure through multiple water injection holes, the device can carry out water inrush test on different test materials, with simple structure and complete functions.

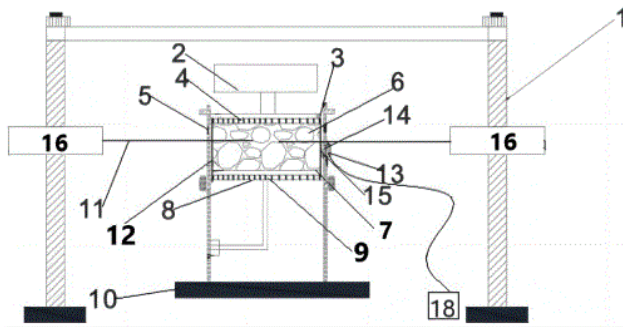


21: 2024/05251. 22: 2024/07/05. 43: 2025/01/08
 51: G01N

71: Guizhou University
 72: Bo LI, Lei LIU, Yu YANG, Xianggui KONG, Hongfei DUAN, Beibei ZHANG, Ye LUO, Lulu CHE, Menghua LI

54: A SEEPAGE WATER INRUSH SIMULATION DEVICE, SYSTEM AND METHOD FOR ROCK MASS FAILURE IN COAL SEAM MINING

00: -
 The present invention discloses a seepage water inrush simulation device, system and method for rock mass failure in coal seam mining, which belongs to the technical field of rock seepage testing in coal seam mining. The present invention uses the controller to control the vibration exciter to drive the interference rod to perform stress disturbance simulation of coal seam mining rock sample at different frequencies, at the same time, through the setting of temperature control pipeline, deflector fan, thermoelectric cooling sheet, and cooling fan, it realizes the temperature field simulation of coal seam mining rock sample, solves the problem that the simulation of seepage performance of deep mining under the coupling of disturbance field and temperature field can not be realized at the same time in the existing technology, which leads to the problem that the accurate basis of field simulation can not be obtained, and the problem that the cooling treatment of the device after the testing can not be realized, which leads to the problem of equipment loss under high-temperature conditions. The present invention improves the efficiency of experimental operation and the accuracy of simulation and provides an accurate basis for studying the seepage characteristics test of rock mass in coal seam mining at different temperatures and different disturbance frequencies.



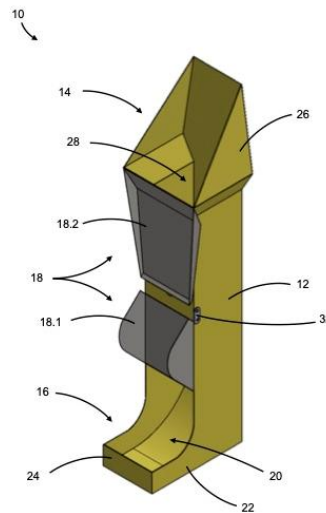
21: 2024/05253. 22: 2024/07/05. 43: 2025/01/08
 51: A47F; B65D; F42B
 71: COMEC INDUSTRIES (PTY) LTD

72: MORETTI, Gian Mauro, MEYER, Christofel Jacobus Johannes

33: ZA 31: 2023/06160 32: 2023-06-12

54: STORAGE CHUTE

00: -
 This invention relates to the storage of a product for efficient stock rotation. In particular, the invention relates to a dispensing chute, for storing and dispensing chemical bags. The dispensing chute includes an anti-static and flame-retardant elongate container defining a storage channel therein. The storage channel is shaped and dimensioned to receive a plurality of chemical bags. The dispensing chute has a loading end provided on an operably upper end of the elongate container and a dispensing end provided on an operably lower end of the elongate container. A lockable closure is provided on any one or both of the loading end and dispensing end. The dispensing chute is operable to dispense chemical bags in a first-in-first-out fashion.



21: 2024/05258. 22: 2024/07/05. 43: 2025/01/08
 51: A61F

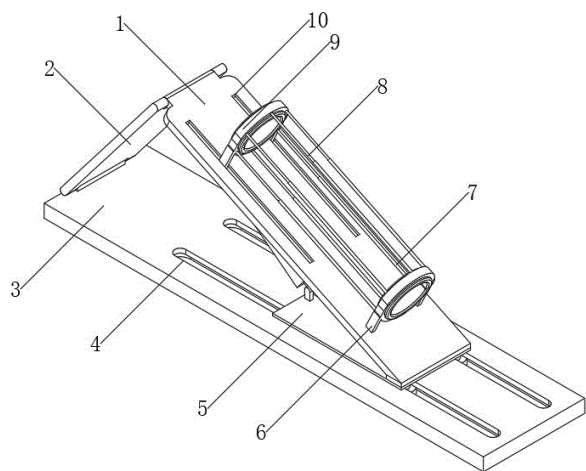
71: The Fourth Affiliated Hospital of Guangzhou Medical University (Guangzhou Zengcheng District People's Hospital)

72: Weiqiong Zhang, Xiang Zheng, Maolin Zhang

54: A TYPE OF ORTHOPEDIC DOCTOR'S ASSISTIVE TRACTION DEVICE

00: -
 The invention discloses an assistive traction device for orthopedic doctors, relating to the field of orthopedic technology. It includes a base plate, with the upper end of the base plate rotatably connected to an inclined plate. The upper end of the inclined

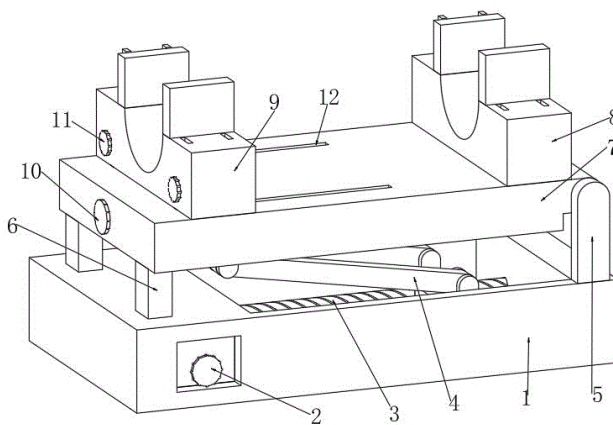
plate is rotatably connected to a sliding plate. The surface of the sliding plate is equipped with a lower fixing ring and an upper fixing ring. The lower end of the sliding plate is connected to a sliding board, which is slidably connected to the base plate. The surface of the sliding board is rotatably connected to an electric push rod. This invention changes the angles of the inclined plate and the sliding plate through the electric push rod, thereby lifting the patient's leg to facilitate movement, preventing paralysis caused by the leg being stationary for a long time. Meanwhile, the connecting column and spring prevent the electric push rod from directly acting on the surface of the inclined plate, ensuring patient safety by stopping immediately if the patient feels pain.



21: 2024/05262. 22: 2024/07/05. 43: 2025/01/08
51: A61B
71: The Fourth Affiliated Hospital of Guangzhou Medical University (Guangzhou Zengcheng District People's Hospital)
72: Xiang Zheng, Maolin Zhang, Weiqiong Zhang
54: A REDUCTION AND FIXATION DEVICE FOR ORTHOPEDICS DEPARTMENT
00: -

The invention relates to the technical field of medical instruments, and discloses a reduction and fixation device for orthopedics department. The base plate comprises a base plate, the top of the base plate is respectively fixed and installed with a supporting block and a stability column, the internal activity of the supporting block is installed with a placing frame, the other end of the placing frame is connected with the stability column. The top side of the placing

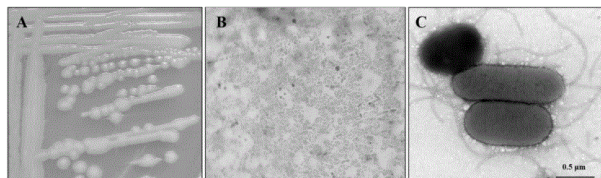
frame is fixed with a first placing frame, and the top of the placing frame is movable with a second placing frame. The top surface of the second placing frame is provided with a placing slot. The invention rotates a third rotating column, which drives a rotating tooth block to rotate when it rotates. When the rotating gear rotates, the second sliding block is driven by the tooth block column to slide on the second fixing column. When the second sliding block moves, it drives the clamping plate to move to the side of the placing slot through the connecting rod, which can fix the limbs placed in the placing slot, which can prevent the limbs of the patient from shaking and ensure the fixation of the limbs of the patient.



21: 2024/05289. 22: 2024/07/08. 43: 2025/01/08
51: A61K; A61P
71: Yancheng Teachers University
72: YAO, Li, WEN, Yue, JIA, Yan, LU, Yu'ang, YAN, Lin, LI, Jing, XUE, Fei
33: CN 31: 202311691833.2 32: 2023-12-11
54: STRAIN S119 FOR DEGRADING URACIL HERBICIDE AND APPLICATION THEREOF
00: -

The present invention belongs to the technical field of microbial degradation and remediation in environmental pollution, and particularly relates to a Pseudomonas S119 for degrading uracil herbicide saflufenacil and an application thereof. The strain provided by the present invention has been preserved in the China General Microbiological Culture Collection Center (CGMCC) on July 25, 2023, and the preservation number is CGMCC NO.28015. The strain can enrich the current microbial resources for degrading saflufenacil. In addition, the optimization of culture medium

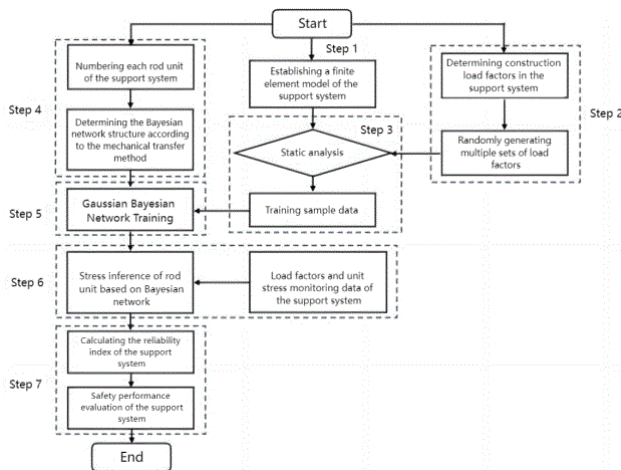
composition and culture conditions, the speculated metabolic pathways of degradation, the study on degradative characteristics of crude enzymes and other results in the present invention provide a theoretical basis for further research on residual saflufenacil in the metabolic environment of the strain, with a broad application prospect.



21: 2024/05297. 22: 2024/07/08. 43: 2025/01/08
 51: G06F
 71: Hefei University of Technology
 72: Huan CHEN, Yu XIN, Zuocai WANG, Yutian BI, Xingchen KUANG, Xianyang FAN, Kai PENG, Zhengdi Chen

54: SAFETY PERFORMANCE EVALUATION METHOD FOR BRIDGE CONSTRUCTION SUPPORT SYSTEM

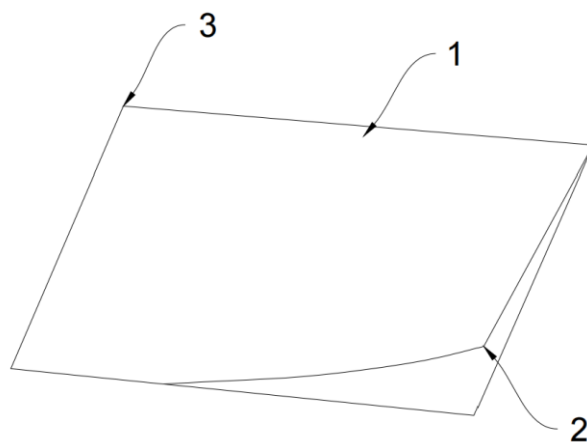
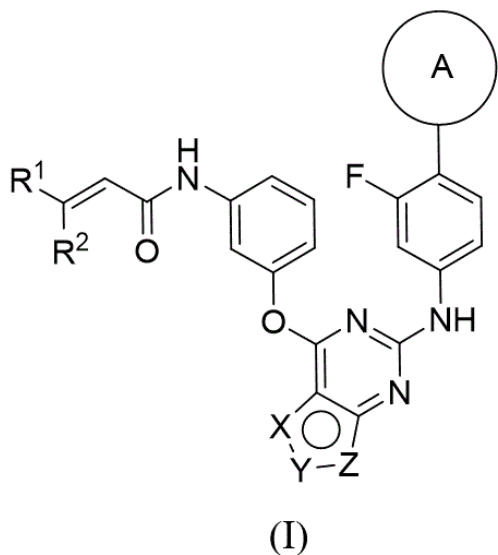
00: -
 The invention discloses a safety performance evaluation method for a bridge construction support system, including the following steps: establishing a finite element model, obtaining the training data of the structural system under different construction load combinations by performing static finite element analysis, and further training the established network model, inferring the stress of the overall construction support system, and realizing the safety performance evaluation of the overall support system by further combining the reliability index. The invention adopts the above-mentioned safety performance evaluation method for the bridge construction support system, this method realizes the safety performance evaluation of the construction support system with a small amount of rod unit stress monitoring data as input, which can effectively reduce the safety risk of support in the construction process, and has important application value for improving the safety performance of support construction method.



21: 2024/05298. 22: 2024/07/08. 43: 2025/01/14
 51: C07D
 71: Chuzhou University
 72: Jin Xin, Xie Yuliang, Xie Yuxiang, Qian Hu, Liu Changzhi

54: HETEROCYCLIC COMPOUNDS WITH TYROSINE KINASE INHIBITORY ACTIVITY, PREPARATION METHODS THEREFOR AND PHARMACEUTICAL USES THEREOF

00: -
 The present invention relates to heterocyclic compounds having tyrosine kinase (TK) inhibitory activity targeting epidermal growth factor receptor (EGFR) mutations, preparation methods therefor and pharmaceutical uses thereof. Specifically, the present invention relates to a compound shown in a general formula (I), a preparation method therefor, a pharmaceutical composition containing the same, and a use thereof as a TK inhibitor (TKI) against EGFR mutations for the prevention and/or treatment of abnormal cell growth such as cancer. The definition of various groups in the general formula (I) is the same as that in specification.



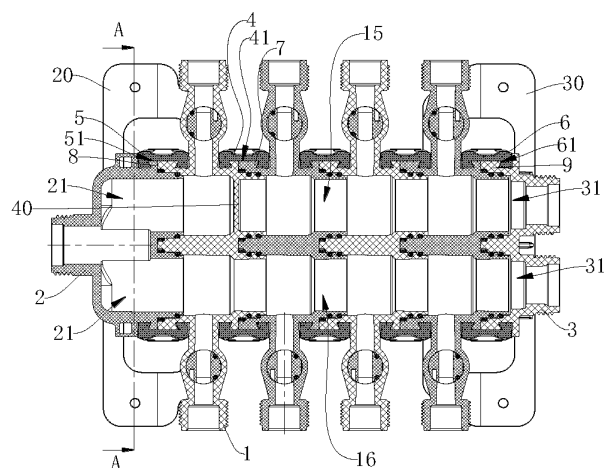
21: 2024/05299. 22: 2024/07/08. 43: 2025/01/08
 51: A45C
 71: SUN, Dongsheng
 72: SUN, Dongsheng, HU, Shanqing
54: PORTABLE MASK STORAGE BAG
 00: -

A portable mask storage bag is provided, which relates to the technical field of protective articles. It includes two pieces of polyvinyl alcohol films, the two pieces of polyvinyl alcohol film are fit to each other to form a square soft bag body, the square soft bag body includes at least one opening bag corner and at least one sealing bag corner, and a part of two bag edges that intersect at the opening bag corner is sealed; and in the initial state, the two pieces of polyvinyl alcohol film of the square soft bag body adsorb each other, in the use state, one piece of the polyvinyl alcohol film of the square soft bag body can be uncovered along the unsealed two bag edges from the opening bag corner. Compared with the existing mask storage clips, the present invention is more in line with the current use requirements, more practical and more conducive to promotion. After the disposable mask is loaded, it can effectively isolate the contact between the mask and the surrounding environment, the structure is simple, the cost is low, the weight is light, and after the mask is loaded, it can also be folded, which is more conducive to the storage of the mask.

21: 2024/05315. 22: 2024/07/08. 43: 2025/01/08
 51: F16K
 71: RIFENG ENTERPRISE (FOSHAN) CO., LTD., RIFENG ENTERPRISE GROUP CO., LTD., RIFENG TECHNOLOGY CO., LTD.
 72: WANG, Hui, LIN, Xiyong, YAO, Yijie, XU, Peng, ZHUAN, Wuchao
 33: CN 31: 202111515241.6 32: 2021-12-10
54: WATER DISTRIBUTOR
 00: -

The present disclosure provides a water distributor, including a water distribution assembly, a second splicing element, a third splicing element, a first lock element, a second lock element, and a third lock element. The water distribution assembly includes at least two first splicing elements sequentially spliced, wherein each of the at least two first splicing elements has a first channel and a second channel that respectively run through two ends, first channels of the at least two first splicing elements are sequentially connected to form a first water distribution water path, and second channels of the at least two first splicing elements are sequentially connected to form a second water distribution water path. A sealing element is provided in the first or second water distribution water path. The second splicing element has two third channels that respectively run through two ends of the second splicing element. The third splicing element has two fourth channels that respectively run through two ends of the third splicing element. The second splicing element, the water distribution assembly, and the third splicing element are sequentially spliced, wherein one of the third channels, the first water distribution water path, and one of the fourth channels are sequentially connected, and the other

of the third channels, the second water distribution water path, and the other of the fourth channels are sequentially connected.



21: 2024/05319. 22: 2024/07/09. 43: 2025/01/14
 51: C08J
 71: Beijing Polytechnic College
 72: YANG, Wenwen, ZHANG, Wei, LIU, Chong, ZHOU, Wei

54: POLYANILINE COATED CARBON NANOFIBER COMPOSITE, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -
 The present invention provides a polyaniline coated carbon nanofiber composite, and a preparation method and application thereof, which relates to the technical field of secondary batteries. The polyaniline coated carbon nanofiber composite provided by the present invention includes modified carbon nanofibers and polyaniline with surfaces of the modified carbon nanofibers being coated with. The modified carbon nanofibers include nitrogen-doped carbon nanofibers and cobalt-molybdenum bimetallic sulfide with surfaces of the nitrogen-doped carbon nanofibers being coated with. The polyaniline coated carbon nanofiber composite provided by the present invention has good structural stability and high electron and ion transmission capacity.

21: 2024/05320. 22: 2024/07/09. 43: 2025/01/14
 51: C12N
 71: Yazhou Bay Innovation Institute of Hainan Tropical Ocean University
 72: CHEN, Yan, HUANG, Hai, YANG, Chaojie, CHEN, Pan, LI, Wenfeng, LOH Jiun Yan, YANG, Ning

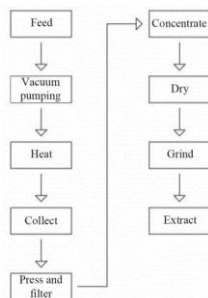
54: COMPOSITE MICROBIAL PREPARATION FOR IMPROVING QUALITY OF GROUPEL CULTURE WASTEWATER, AND PREPARATION METHOD THEREFOR

00: -
 Disclosed in the present invention are a composite microbial preparation for improving quality of grouper culture wastewater, and a preparation method therefor. The composite microbial preparation contains *Bacillus subtilis*, *Bacillus licheniformis*, photosynthetic bacteria, denitrification bacteria and lactic acid bacteria at a weight ratio of 2:2-4:1-2:1-2:1-2, and can effectively absorb harmful substances such as ammonia nitrogen and nitrite nitrogen and improves the culture wastewater.

21: 2024/05322. 22: 2024/07/09. 43: 2025/01/14
 51: C07H
 71: Inner Mongolia Agricultural University
 72: WU, Jindi, YANG, Xujin, BAI, Fan, YAN, Xinlei
 33: CN 31: 202410591440.2 32: 2024-05-14

54: METHOD FOR EFFICIENTLY EXTRACTING PECTIN FROM SUNFLOWER HEADS AS RAW MATERIAL AND APPLICATION THEREOF

00: -
 The present invention falls within the technical field of pectin extraction, and discloses a method for efficiently extracting pectin from sunflower heads as a raw material. The extraction process of the method includes the following steps: feeding, vacuum pumping, heating, collecting, pressing and filtering, concentrating, drying, grinding, and extracting. In the method for efficiently extracting pectin from sunflower heads as a raw material, sunflower heads are subjected to infiltration and steaming using low temperature steam in a low pressure environment, pectin in the sunflower heads can be continuously precipitated with the falling of distilled water. The low temperature and longtime steaming method ensures the stable precipitation of pectin and avoids the change of the property of pectin by high temperature steaming, so that the separation difficulty is reduced, and the finished product after separation has high purity and a light color.



21: 2024/05323. 22: 2024/07/09. 43: 2025/01/14
51: C09K

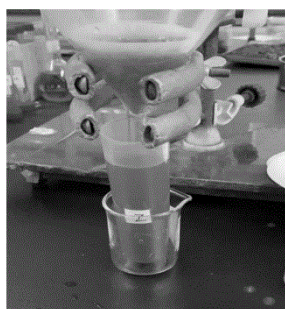
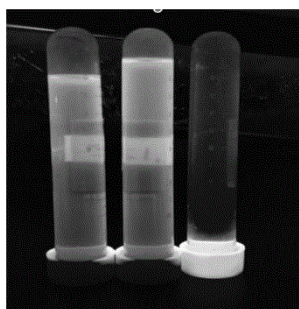
71: Huangshan University

72: PAN Le, ZHANG Yanfei, ZHANG Hui, ZHANG Mingliang, SHEN Biru, YANG Yujie

54: PREPARATION METHOD AND APPLICATION OF FLUORESCENT CARBON DOTS FROM PEANUT POWDER

00: -

This application relates to the field of nanomaterials and discloses a preparation method and application of fluorescent carbon dots from peanut powder, including the following steps: S1. mixing peanut powder with deionized water, wherein the mass of the peanut powder is between 0.1 g and 0.5 g, and the volume of the deionized water is between 5 mL and 15 mL, to form a reaction mixture; S2. placing the reaction mixture in a hydrothermal reactor; S3. heating the reaction mixture at a temperature range of 150 to 170°C for 6 to 10 hours. The present invention uses peanut powder as a raw material, takes advantage of its abundant natural carbon and nitrogen sources, avoids the use of expensive and toxic chemical reagents, which not only reduces the cost of materials, but also reduces environmental pollution.



21: 2024/05325. 22: 2024/07/09. 43: 2025/01/14
51: G01N

71: China Railway Seventh Group Co., LTD, Overseas Company of China Railway Seventh Bureau Group Co., Ltd.

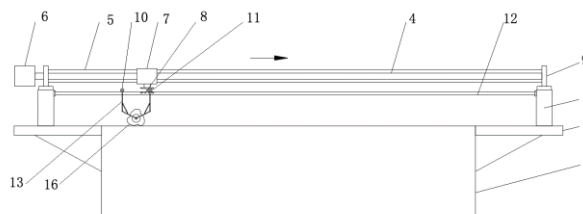
72: Shuqiang Ma, Haitao Yang, Yang Jiang, Haigang Wang, Chi Yang, Dongsheng Chang, Hongjiang Wang, Tao Zhang, Ping Lu, Liang Pan, Shuguang Wei, Xiaoping Huang, Mingjian Zhang, Yunlong Liu, Jun Zeng, Songxian Li

33: CN 31: CN202421280635.7(DAS: EB44) 32: 2024-06-05

54: IMPACT COMPACTION MODEL TESTING DEVICE

00: -

An impact compaction model testing device comprises a model box, an impact wheel, two walking rails provided above the model box, and a linear motion mechanism centrally provided above the two walking rails; the model box is laid with a test material, and a first connection rod and a second connection rod are walked on the two walking rails, the first connection rod and the second connection rod are respectively connected to the impact wheel through connecting rod mechanisms; a toggler is fixed below the linear motion mechanism, and is located between the first connection rod and the second connection rod, and the toggler is provided with toggle holes corresponding to the first connection rod and the second connection rod; a length of the toggler is less than a distance between the first connection rod and the second connection rod, and the toggler is only contacted to one of the first connection rod and the second Li connection rod; this application does not require the manual resetting of the impact wheel, and can achieve the bidirectional multiple impact compaction of the test material, which improves the testing efficiency.



21: 2024/05326. 22: 2024/07/09. 43: 2025/01/14
51: E01D

71: China Railway Seventh Group Co., LTD, Overseas Company of China Railway Seventh Bureau Group Co., Ltd.

72: Shuqiang Ma, Haitao Yang, Yang Jiang, Haigang Wang, Chi Yang, Dongsheng Chang,

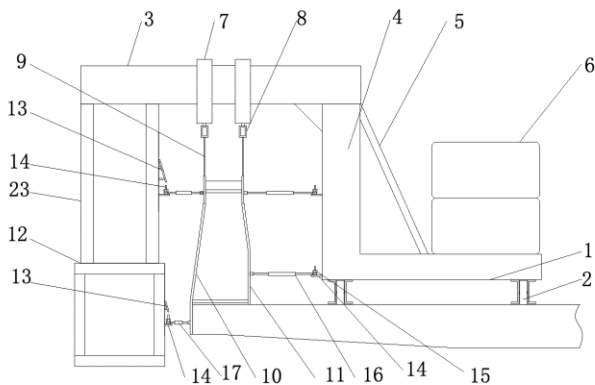
Hongjiang Wang, Tao Zhang, Ping Lu, Liang Pan, Shuguang Wei, Xiaoping Huang, Mingjian Zhang, Yunlong Liu, Jun Zeng, Songxian Li
 33: CN 31: CN202421310391.2 (DAS:F0FC) 32: 2024-06-07

54: MOBILE HANGING BASKET FOR BRIDGE CONCRETE GUARDRAIL CONSTRUCTION

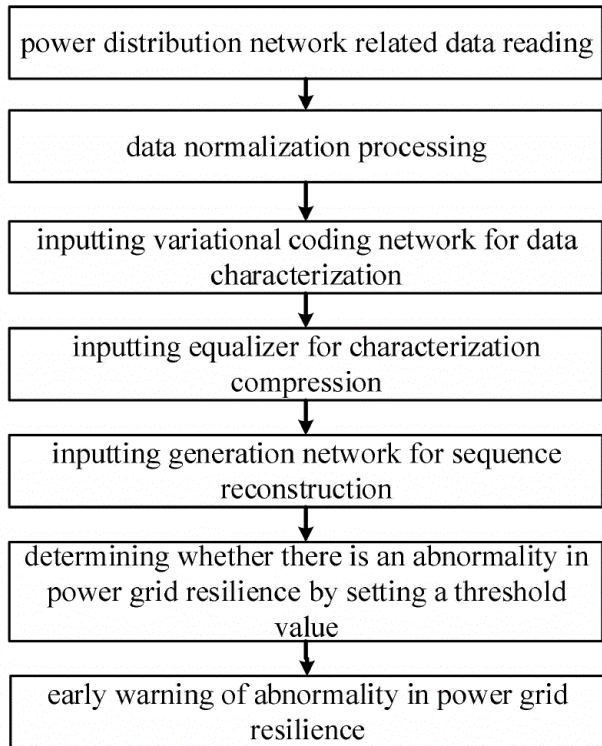
00: -
 A mobile hanging basket for bridge concrete guardrail construction, which comprises a base, a vertical beam fixed on the base, a cantilever beam fixed on a top portion of the vertical beam, a davit fixed on an outer end of the cantilever beam, a hanging basket fixed on a lower end of the davit, a sliding sleeve slidably provided on the cantilever beam and a lifting mechanism provided on the sliding sleeve, the lifting mechanism is connected with an outer side template and an inner side template as a bridge guardrail formwork via a sling, a clump weight is placed on the base, wherein, an outer side of the outer side template is vertically provided with an outer side expansion member, and several positioning members are fixed on an inner side of the davit and the hanging basket; the present application uses the positioning members to assist in locating the final position of the outer side expansion member, which can achieve the auxiliary positioning of the guardrail template after falling, ensuring that the outer side template is ultimately positioned on the established location of the bridge, which improves the positioning efficiency of bridge guardrail template by the construction personnel.

54: UNMANNED INTELLIGENT PERCEPTION AND EARLY WARNING METHOD, DEVICE AND MEDIUM FOR URBAN POWER DISTRIBUTION NETWORK RESILIENCE

00: -
 An unmanned intelligent perception and early warning method, device and medium for urban power distribution network resilience, wherein multi-dimensional indicators of a power distribution network are read, normalization processing is performed, data characterization is performed via variational coding network, characterization compression is performed via an equalizer, and then sequence reconstruction is performed via a generation network, and it is determined whether there is an abnormality in power grid resilience according to a reconstruction result combined with a set threshold value so as to realize early warning of abnormality in power grid resilience. The present disclosure intelligently determines whether there is a resilience abnormality by using multi-dimensional resilience related parameter signals of a power grid, and constructs a perception network with a fast inference speed, and can quickly perceive a change in power grid environment, so as to make the early warning on the abnormality in power grid resilience more timely, and to timely alert an abnormal situation of power grid resilience, which is of great significance for ensuring safety and avoiding economic losses.

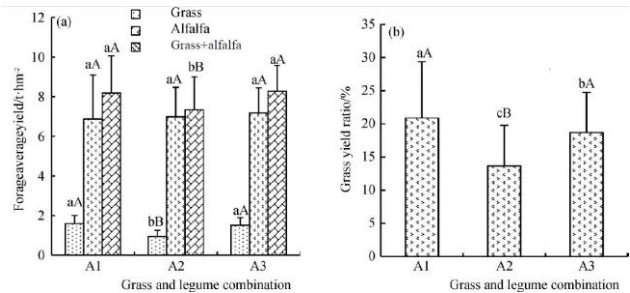


21: 2024/05327. 22: 2024/07/09. 43: 2025/01/14
 51: G06F
 71: NANJING TECH UNIVERSITY
 72: Yi Chen, Xiaogang Cheng, Yong Shi, Limin Song
 33: CN 31: CN 202311347113.4 32: 2023-10-17



21: 2024/05328. 22: 2024/07/09. 43: 2025/01/14
 51: A01G
 71: Inner Mongolia Minzu University, Inner Mongolia Pratacultural Technology Innovation Center Co. Ltd
 72: Yu Tiefeng, Wang Zhaoming, Hao Feng, Gao Kai, Chen Xiang, Zhang Jian
54: APPLICATION OF EFFECTS OF LEGUME AND GRASS COMBINATION AND PLANTING METHODS ON FORAGE YIELD IN SANDY LAND
 00: -
 Disclosed in the present invention is an application of the effects of legume and grass combination and planting methods on forage yield in sandy land. alfalfa, awnless brome, phalaris arundinacea and elymus nutans are selected to establish a mixed grass with two components of legume and grass and different intercropping methods; two factors are set as A factor and B factor, respectively. In the present invention, it is possible to clearly determine the effects of different legume and grass combinations and planting methods on forage yield in sandy land, and the yield and yield stability of mixed alfalfa-awnless brome and alfalfa-phalaris arundinacea grass are stronger than that of mixed alfalfa-elymus nutans; the total yield of 1:1 and 2:1 mixed seedlings is higher, but the stability of grass components is poor. The stability and yield sustainability of 1:2

mixed planting of soybean and wheat are better, but the total yield of soybean is lower; and the 2:2 mixed sowing of alfalfa-awnless brome or alfalfa-phalaris arundinacea is in the middle of the total yield, yield stability, yield sustainability, land equivalent and grass yield ratio, which is an ideal legume and grass combination and planting methods.

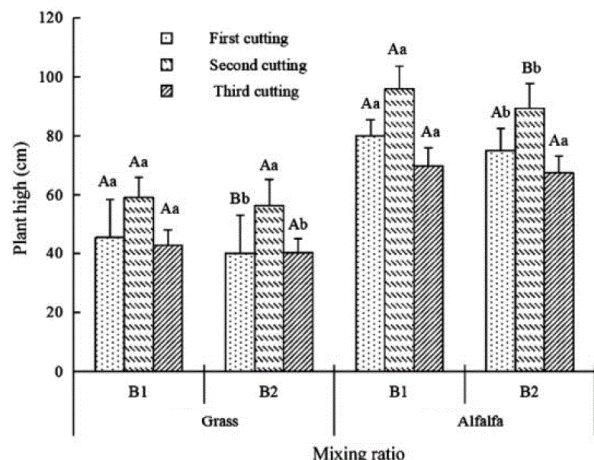


21: 2024/05329. 22: 2024/07/09. 43: 2025/01/14
 51: A01G

71: Inner Mongolia Minzu University
 72: Hao Feng, Yu Tiefeng

54: METHOD FOR MIXING SOWING AND FERTILIZING ON SANDY LAND FOR FORAGE PRODUCTION WITH MIXED SOWING OF LEGUME AND GRASS

00: -
 Disclosed in the present invention is a method for mixing sowing and fertilizing on sandy land for forage production with mixed sowing of legume and grass, S1, selecting a test producing area; S2, test material selection and test design; S3, forage yield, plant height and nutrient content determination; S4, data processing; and S5, results and analysis. The present invention relates to the technical field of agricultural planting. With the increase of nitrogen application rate, the crude protein content of alfalfa and awnless brome rate, while the content of acid detergent fiber (ADF) decreased with the increase of nitrogen application rate. The total yield of alfalfa and crude protein in 2: 2 mixed planting was significantly higher than that in 1: 2 mixed planting. Considering the forage yield, quality and fertilizer use efficiency, it was suitable to use N140P100K120 in 2: 2 mixed planting of alfalfa and awnless brome.



21: 2024/05330. 22: 2024/07/09. 43: 2025/01/14
 51: C04B
 71: THE 5TH ENGINEERING CO., LTD. OF CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP, CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD.

72: He Shimei, Shi Hongchao, Jiang Bo, Zhang Lei, Meng Jianbing, Peng Zhongwen, He Guochun, Zhu Peng
 33: CN 31: 202311796072.7 32: 2023-12-25

54: SULFATE CORROSION-RESISTANT CONCRETE

00: -
 Disclosed is a sulfate corrosion-resistant concrete, including 150 to 200 parts by mass ratio of water, 400 to 500 parts by mass ratio of binder material, 700 to 750 parts by mass ratio of fine aggregate, 1,000 to 1,100 parts by mass ratio of graded coarse aggregate, 3 to 5 parts by mass ratio of water-reducing agent, and 1 to 3 parts by mass ratio of air-entraining agent, where the concrete has a the water to binder ratio of 0.2 to 0.5, a sand rate of 30% to 50%, and a design slump of 150 mm to 200mm.

Through strict quality control and a large number of test screenings of raw materials of each component, a sulfate corrosion-resistant concrete for use in gypsum surrounding rock tunnels is obtained herein, which can meet standards for concrete construction in gypsum surrounding rock tunnels. Through the interaction of various raw materials, the prepared product of concrete can resist the erosion of sulfate ions, increase the durability of concrete, extend the service life of concrete, and have good social benefits, especially suitable for construction projects with high concentration of sulfate surrounding rock.

21: 2024/05342. 22: 2024/07/09. 43: 2025/01/20
 51: A61K; C07C
 71: SUZHOU ABOGEN BIOSCIENCES CO., LTD.
 72: WANG, XiuLian, YING, Bo
 33: CN 31: PCT/CN2022/072694 32: 2022-01-19
 33: CN 31: PCT/CN2022/116960 32: 2022-09-05
 33: CN 31: 202211741985.4 32: 2022-12-29

54: LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS

00: -
 Provided herein are lipid compounds that can be used in combination with other lipid components, such as neutral lipids, cholesterol and polymer conjugated lipids, to form lipid nanoparticles for delivery of therapeutic agents (e.g., nucleic acid molecules) for therapeutic or prophylactic purposes, including vaccination. Also provided herein are lipid nanoparticle compositions comprising said lipid compounds.

21: 2024/05362. 22: 2024/07/10. 43: 2025/01/20
 51: A01H
 71: Guizhou Botanical Garden (Guizhou Landscape Science Institute, Guizhou Botanical Institute)
 72: Li Yuanyuan, Zou Jun, Liu Haiyan, Huang Fengyan

54: PROPAGATION METHOD OF PHOEBE ZHENNAN

00: -
 The present invention provides a propagation method of Phoebe zhennan, including the following steps: S1, seed collection: selecting 20-60 years old and robust seed trees, harvesting seeds from November to the next January; S2, seed treatment: storing the seeds in fine sand layer, and the moisture content of fine sand being 55-65%; S3, sowing: planting the seeds in treated nursery from late February to late March, and arching and shading; S4, seedling management: uncovering the shed, irrigating with water, loosening the soil and weeding when the seeds germinate and come out; transplanting the seeds into non-woven bags with 10 cm×12 cm when the seedlings grow to 10 cm-15 cm, covering the surface of the non-woven bags with pastoral soil with the thickness of 0.5 cm, and applying fertilizer and pest control management to transplanted seedlings; and S5, seedling for sell: taking the seedlings out of the nursery, raising and planting when the height of the seedlings being more than 30 cm and the ground diameter being more

than 0.3 cm. With the propagation method of the present invention, the operation is difficult, the cost is low, the steps are simple and easy to popularize, and the germination rate of Phoebe zhennan seeds obtained is up to 85% or more; the survival rate of transplanted seedlings is 96%. The survival rate of seedlings is up to 91%.

21: 2024/05363. 22: 2024/07/10. 43: 2025/01/17
51: C12N

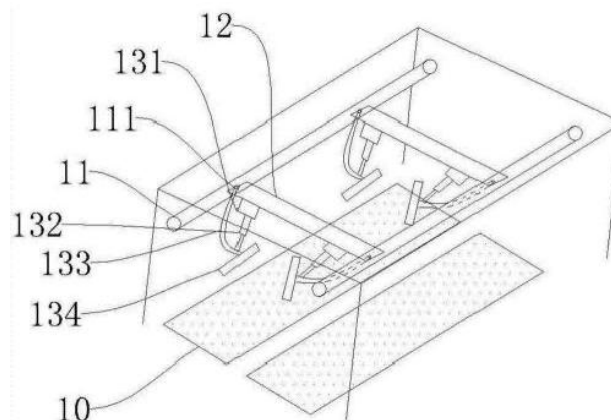
71: GUANGXI BOTANICAL GARDEN OF MEDICINAL PLANTS

72: ZHAI, Yongjin, BAI, Longhua, ZHANG, Zhanjiang, HUANG, Hao, WEI, Ying, WEI, Shugen, WAN, Lingyun

54: METHOD FOR INDUCING SEEDLINGS OF UNCARIAE RAMULUS CUM UNCIS

00: -

The present disclosure provides a method for inducing seedlings of *Uncariae ramulus cum uncis*, which belongs to the technical field of plant tissue culture. Cultivating seeds of *Uncariae ramulus cum uncis* in a seed medium to obtain seedling hypocotyls; cutting hypocotyl explants from the seedling hypocotyls, placing in a first callus tissue medium to culture in dark until two ends of the hypocotyl explants are expanded, transferring hypocotyl explants to a second callus tissue medium to culture in dark, to obtain callus tissue; transferring the callus tissue to a differentiation medium to culture for 30~40 d, to obtain cluster buds; and transferring the cluster buds to a seedling-strengthening medium to culture, when a length of an individual seedling is 5~6cm, cutting off at the base of the stem, and transferring to a rooting medium to culture for 12-15 d, to obtain seedlings of *Uncariae ramulus cum uncis*. The *Uncariae ramulus cum uncis* obtained by the present disclosure has a high yield and a high medicinal component content.



21: 2024/05395. 22: 2024/07/11. 43: 2025/01/20
51: A23F

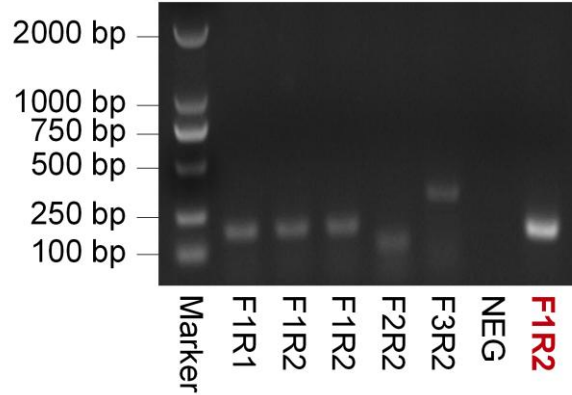
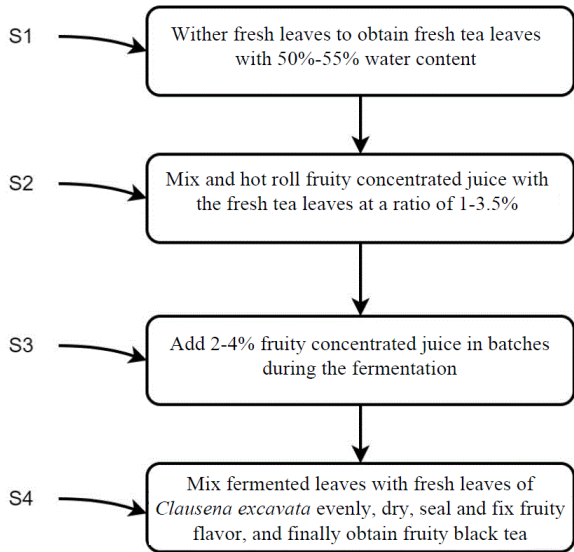
71: Guangxi South Asian Tropical Agricultural Science Research Institute

72: Luo Lianfeng

54: PROCESSING METHOD FOR MAKING FRUITY BLACK TEA FROM SUMMER AND AUTUMN TEA PICKED BY MACHINE

00: -

The present invention provides a processing method for making fruity black tea from summer and autumn tea picked by machine, including the following steps: S1: fresh leaves withering: withering one bud with three leaves and four leaves of fresh tea leaves picked by a machine in summer and autumn by a withering machine to obtain fresh tea leaves with 50%-55% water content; S2: hot rolling: fully mixing and rolling prepared fruity concentrated juice and the fresh tea leaves to obtain rolling leaves, and a ratio of the fruity concentrated juice to summer and autumn fresh tea leaves picked by the machine being 1-3.5%; S3: complex fermentation: placing the rolling leaves into a tea fermenting machine for fermentation to obtain fermented leaves, and adding the fruity concentrated juice in batches during the fermentation, and a ratio of the fruity concentrated juice to the fermented leaves being 2-4%; and S4: composite drying: evenly mixing the fermented leaves with fresh leaves of *Clausena excavata* for drying, sealing for 7-10 days to fix fruity flavor after drying, and removing the leaves of *Clausena excavata* to obtain fruity black tea. The present invention effectively promotes the fruity flavor smell of tea leaves, and avoids the disadvantages of heavy bitter and astringent taste and poor flavor of summer and autumn tea.

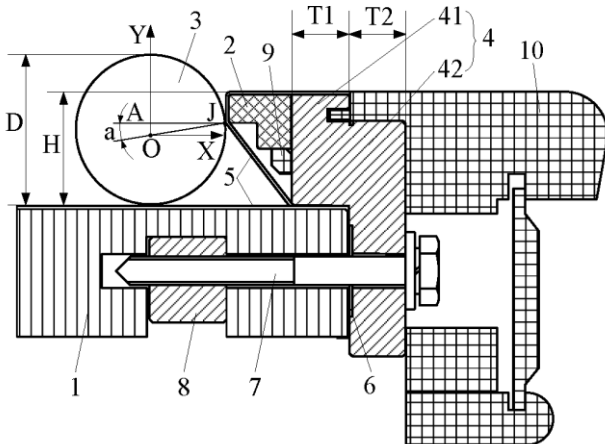
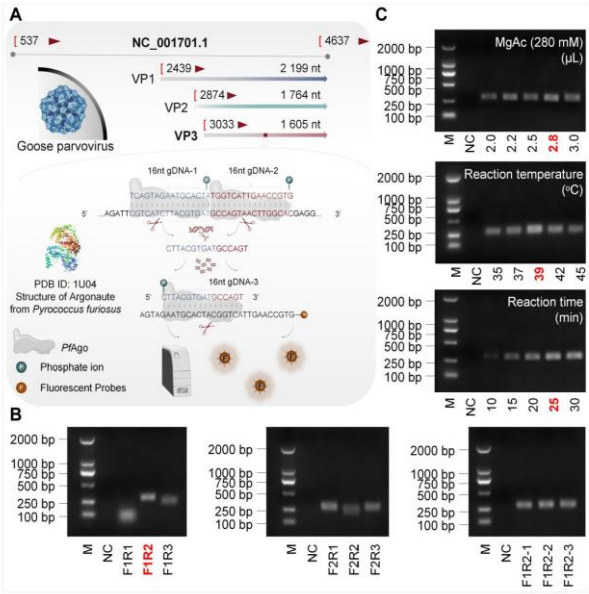


21: 2024/05439. 22: 2024/07/12. 43: 2025/01/17
 51: C12N; C12Q
 71: HANSHAN NORMAL UNIVERSITY
 72: LIU, Yaqun, ZHENG, Yuzhong, ZHANG, Zhenxia, CHEN, Lianghui, HUANG, Yongping, SUN, Yanjie, ZHANG, Kang, WANG, Jialin, HAN, Jinkun, LIN, Min, XIE, Chengsong, CHEN, Yicun
 33: CN 31: 2024103163019 32: 2024-03-19
54: RPA AMPLIFICATION PRIMER SET USED FOR DETECTING GENE MTHFR POLYMORPHISM AND ITS APPLICATIONS

00: -
 The present invention relates to the technical field of gene detection, and in particular, to an RPA amplification primer set used for detecting gene MTHFR polymorphism and its applications. The present invention provides an RPA amplification primer set used for detecting gene MTHFR polymorphism, including primer pairs, gDNA and probes. The detection method provided by the invention has a short detection time and can be completed within 1 h, which saves time. Clinically, blood tissue DNA can be collected for detection, thereby avoiding low sensitivity and improving the accuracy of detection.

21: 2024/05440. 22: 2024/07/12. 43: 2025/01/17
 51: H04H
 71: HANSHAN NORMAL UNIVERSITY
 72: LIU, Yaqun, ZHENG, Yuzhong, ZHANG, Zhenxia, CHEN, Lianghui, HUANG, Yongping, SUN, Yanjie, WANG, Jialin, HAN, Jinkun, LIN, Min, XIE, Chengsong, CHEN, Yicun
 33: CN 31: 2024106386466 32: 2024-05-21
54: RPA-PFAGO SYSTEM FOR IDENTIFYING GOOSE PARVOVIRUS AND ITS APPLICATIONS
 00: -

The present invention relates to an RPA-PfAgo system for identifying goose parvovirus and its applications, which belongs to the field of virus detection technology. The present invention provides an RPA-PfAgo system for identifying goose parvovirus, including primer pairs for RPA amplification aiming at GPVVP3 gene; guided DNA31-1, guided DNA31-2 and a molecular beacon of PfAgo reaction. The RPA-PfAgo system of the present invention can be operated under isothermal conditions, eliminating the need for thermal cycling, thereby enabling to use simplified portable devices and being suitable for large-scale rapid detection, the specificity for goose parvovirus is 100%, and the sensitivity is 102 copies/μL. Compared with the traditional PCR technology, the RPA-PfAgo system significantly shortens the detection time, and compared with the traditional PCR technology, the RPA-PfAgo system can provide the prepared accurate detection results within 1 h.



21: 2024/05467. 22: 2024/07/12. 43: 2025/01/17
 51: A63D
 71: QIAO, Yuanxu
 72: QIAO, Yuanxu
 33: CN 31: 202111542227.5 32: 2021-12-16
54: POOL TABLE CAPABLE OF AVOIDING BALL BOUNCE

00: -
 A pool table capable of avoiding ball bounce, including a playing field and a rail structure mounted along an edge thereof. The rail structure includes a steel rail and a rubber strip mounted at an inner side thereof. A ratio of height difference H between top surfaces of the rubber strip and the playing field to diameter D of a billiard ball is 0.68-0.74. A position of the rubber strip in contact with the billiard ball is configured as a striking point. A coordinate system is established with a center of the billiard ball as origin, a horizontal line passing through the origin as abscissa axis, and a vertical line passing through the origin as ordinate axis. The striking point is higher than the center of the billiard ball. An angle between a line connecting the origin to the striking point and the abscissa axis is 2°-8°.

21: 2024/05519. 22: 2024/07/16. 43: 2025/01/17
 51: A23K
 71: SUN YAT-SEN UNIVERSITY, SOUTHERN MARINE SCIENCE AND ENGINEERING GUANGDONG LABORATORY (ZHUHAI)
 72: NIU, Jin, ZHAO, Wei, XIE, Shihua, CHEN, Mengdie, YAO, Rong, CHEN, Anqi, CHEN, Baoyang
 33: CN 31: 2023108917520 32: 2023-07-19
54: KIND OF LOW FISH MEAL COMPOUND FEED FOR LITOPENAEUS VANNAMEI SUITABLE FOR LOW WATER TEMPERATURE CULTURE CONDITIONS

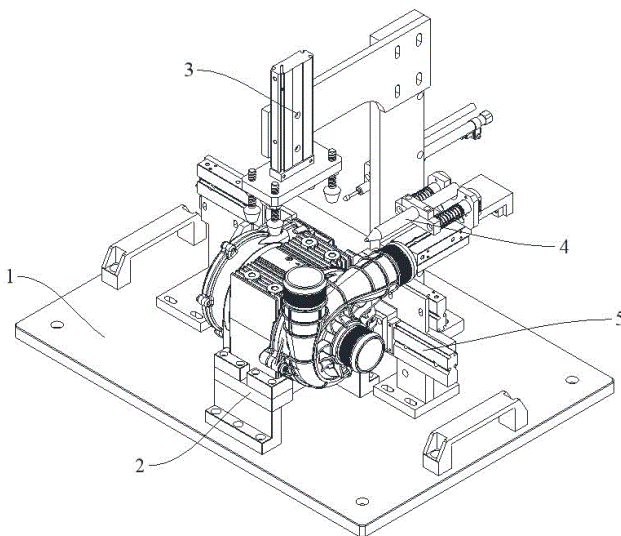
00: -
 The present invention relates to the technical field of shrimp culture feed. The present invention provides a low fish meal compound feed for Litopenaeus vannamei suitable for low water temperature culture conditions, and the raw material components include protein sources, fat sources, sugar sources, compound feeding attractants, monomer feeding attractants, anti-temperature stressors, immunopotentiators, antioxidants, essential amino acids, vitamin complex, monomer vitamins, compound mineral salts, phosphorus raw materials, calcium raw materials, anti-mildew agents and feed adhesives. The present invention further provides applications of the low fish meal compound feed in culturing the Litopenaeus vannamei at low water temperatures, and the temperature can reach 16°C~24°C, at the same time, the combination of various raw material components make the Litopenaeus vannamei have the characteristics of fast growth rate, high feed utilization rate, high survival rate, good oxidation resistance, and strong resistance to temperature stress in low water temperature environments.

21: 2024/06040. 22: 2024/08/06. 43: 2024/12/13
 51: G01R
 71: Henan Feilong (Wuhu) Auto Components Co., Ltd.

72: Feng Zhang, Minghao Wu, Lintao Zhang
 33: CN 31: 202310688373.1 32: 2023-06-09

54: AN INSULATED VOLTAGE RESISTANCE DETECTION DEVICE AND A DETECTION SYSTEM THEREOF

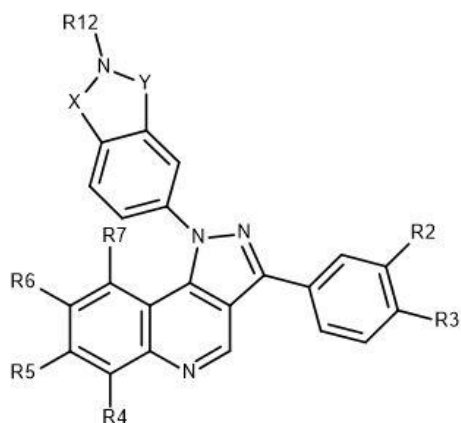
00: -
 The invention relates to the technical field of insulation and pressure resistance detection, in particular to an insulation and pressure resistance detection device, which is applied to the detection of an electronic water pump component, including a workbench, which is provided with a carrier tool, a compression component, a pressure resistance detection component and two insulation detection components. The pressure resistance detection component comprises a first supporting frame, a first biaxial cylinder, a connecting plate, an elastic component and a manometric pen. The electronic water pump component is fixed on the carrier tool by pressing the component, the insulation detection component is connected with the socket of the electronic water pump component, and the insulation performance of the socket is tested. The connecting plate is driven by the first biaxial cylinder, and the elastic component is driven by the connecting plate. The manometric pen is applied to the shell of the electronic water pump component in the form of gradually increasing pressure through the elastic component. Thus, the force effect of each electronic water pump component is the same, which improves the accuracy of the detection, and solves the problem that the existing insulation pressure detection method is not very accurate for pressure detection.



21: 2024/06375. 22: 2024/08/20. 43: 2024/12/09
 51: C07D; A61P
 71: LOMOND THERAPEUTICS, INC.
 72: ABAGYAN, Ruben, MITKIN, Oleg, PARCHINSKY, Vladislav Zenonovich, PUSHECHNIKOV, Alexei, IVACHTCHENKO, Alexandre Vasilievich, SAVCHUK, Nikolay
 33: US 31: 63/256,260 32: 2021-10-15

54: SUBSTITUTED 1H-PYRAZOLO [4,3-C] QUINOLINES, METHODS OF PREPARATION, AND USE THEREOF

00: -
 The present invention is generally directed to inhibitors of FMS-like tyrosine kinase 3 (FLT3) gene, useful in the treatment of diseases and disorders modulated by said FLT3 having the Formula I-A:



(I-A).

21: 2024/06929. 22: 2024/09/09. 43: 2024/12/10
 51: E02B; G01M

71: SEPCO ELECTRIC POWER CONSTRUCTION CORP.

72: LIU, Hongtao

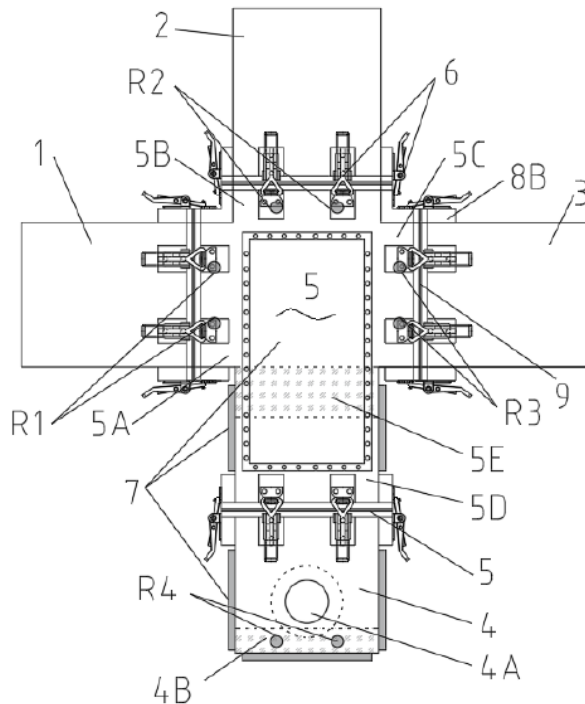
33: CN 31: 202310129015.7 32: 2023-02-17

33: CN 31: 202320241632.1 32: 2023-02-17

54: DOCK DRAINAGE PUMP POOL RECTIFICATION AND WHIRL ELIMINATION TEST APPARATUS AND TEST METHOD

00: -

The present invention provides a dock drainage pump pool rectification and whirl elimination test apparatus and a test method and belongs to the field of dock drainage design. The present invention aims to simulate the influence of various factors on the flow state of a flow field and provide effective guidance for rectification and whirl elimination measures for a dock drainage system. The apparatus comprises a first inlet part, a second inlet part, and a third inlet part for simulating a dock drainage passage, a test part for simulating a pump pool, and a connecting part for simulating a connection area of the dock drainage passage and the pump pool. The connecting part comprises a first connecting opening, a second connecting opening, a third connecting opening, and a fourth connecting opening. The first inlet part is detachably docked with the first connecting opening. The second inlet part is detachably docked with the second connecting opening. The third inlet part is detachably docked with the third connecting opening. The test part is detachably docked with the fourth connecting opening. Rectification apparatus placement areas are arranged at the four connecting openings. The test part is provided with a drainage pump suction inlet. A whirl elimination apparatus placement area is arranged at one end of the test part away from the connecting part and close to the drainage pump suction inlet. The test is comprehensive, and the apparatus is simple, which is beneficial for guiding practical design.



21: 2024/07027. 22: 2024/09/12. 43: 2024/12/11

51: H02K

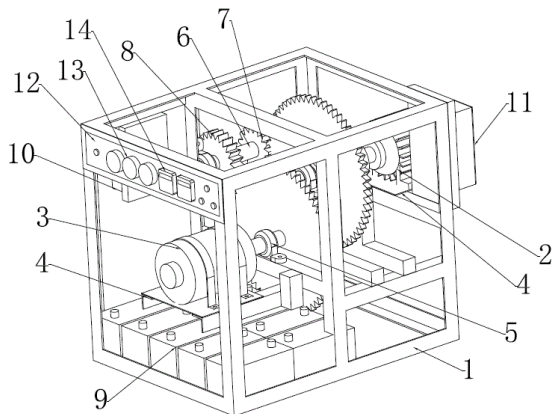
71: ZHANG, Tiankai

72: ZHANG, Tiankai

54: ELECTRIC POWER DEVICE USING GEAR TRANSMISSION

00: -

The invention relates to the technical field of electric power devices, and in particular to an electric power device using gear transmission, comprising a frame, and an electric motor and a generator are provided on the frame; the output end of the electric motor is connected to the input end of the generator through gear transmission; the gear transmission structure is also connected to external device. With a reasonable structure, the invention can provide power to external device while generating electricity and storing electricity for other uses; in addition, the motor adopts a small motor, which drives the generator to generate electricity through the gear transmission of the driving gear, the driven gear and the transmission connection mechanism, thereby realizing the purpose of small-sized motors driving large-sized devices; the gear transmission ratio can be adjusted according to needs to apply to different equipment, with a wide range of applications and strong practicability.



21: 2024/07246. 22: 2024/09/23. 43: 2024/09/26
51: F24S

71: SIMONSEN, David

72: SIMONSEN, David

33: US 31: 63/312,134 32: 2022-02-21

54: SOLAR MOUNTING SOLUTIONS

00: -

Disclosed herein a novel and useful solar mounting solution that includes a plurality of specially shaped structural thermal clips, specially shaped structural and thermal mounting washers, structural hardware struts, a cooler/heat sink, structural solar panel mounting clips, and solar panel frames, which aid to provide better thermal performance that can be used on any structure, but particularly on the sides of buildings, or Building Integrated Photovoltaics (BIPV). The solar mounting solution also aids to minimize vibration and support hardware such as, but not limited to, conductors, conduits, pipes, equipment such as microinverters. The seismic rated solar mounting system is lightweight, strong, durable, inexpensive, and facilitates mounting of solar panels onto buildings and other structures.

21: 2024/07419. 22: 2024/09/30. 43: 2024/12/13
51: H04B; G06F

71: STATE GRID ZHEJIANG HANGZHOU FUYANG POWER SUPPLY COMPANY, STATE GRID ZHEJIANG HANGZHOU POWER SUPPLY COMPANY

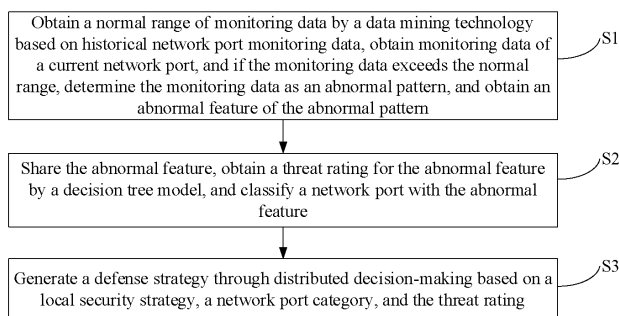
72: XU, Li, MAO, Donghua, QIAN, Jin, LUO, Shaojie, CHEN, Chao, ZHAO, Zongluo, CHI, Jianfei, HAN, Rongjie, SUN, Zhiqing, SHEN, Siqi, ZHOU, Bo, LI, Qiangqiang, LAI, Yibo, WAN, Yanzhen, LUO, Jun

33: CN 31: 202410917205.X 32: 2024-07-10

54: MULTI-NETWORK PORT PROTECTION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM

00: -

The present disclosure provides a multi-network port protection method and apparatus, an electronic device, and a storage medium. The multi-network port protection method includes: obtaining a normal range by a data mining technology based on historical network port monitoring data, obtaining monitoring data of a current network port, and if the monitoring data exceeds the normal range, determining the monitoring data as an abnormal pattern, and obtaining an abnormal feature of the abnormal pattern; sharing the abnormal feature, obtaining a threat rating for the abnormal feature by a decision tree model, and classifying a network port with the abnormal feature; and generating a defense strategy through distributed decision-making based on a local security strategy, a network port category, and the threat rating. The present disclosure shares threat information in real time, and obtains the threat rating by the decision tree model, thereby enabling a network security protection system to quickly cope with a high-threat attack and improving a coping capability of an overall network. A suitable defense strategy can be generated in a timely manner based on a current threat rating by equipping the local security strategy and a distributed decision-making mechanism.



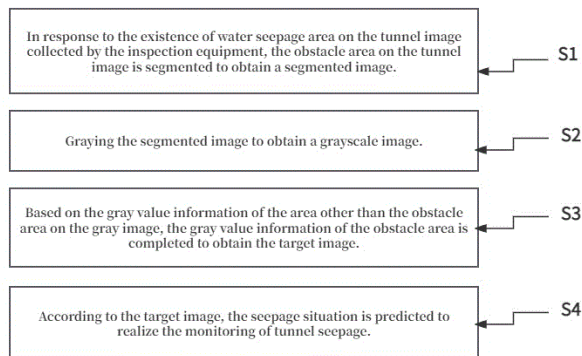
21: 2024/07706. 22: 2024/10/11. 43: 2024/12/13
51: G06T

71: Sichuan Gaolu Information Technology Co., Ltd.
72: Zhang Qian, Liu Yi, Song Zhoulin, Liang Yucen, Wu Yunqiang, Liu Gang, Chen Huiyu, Dai Yang

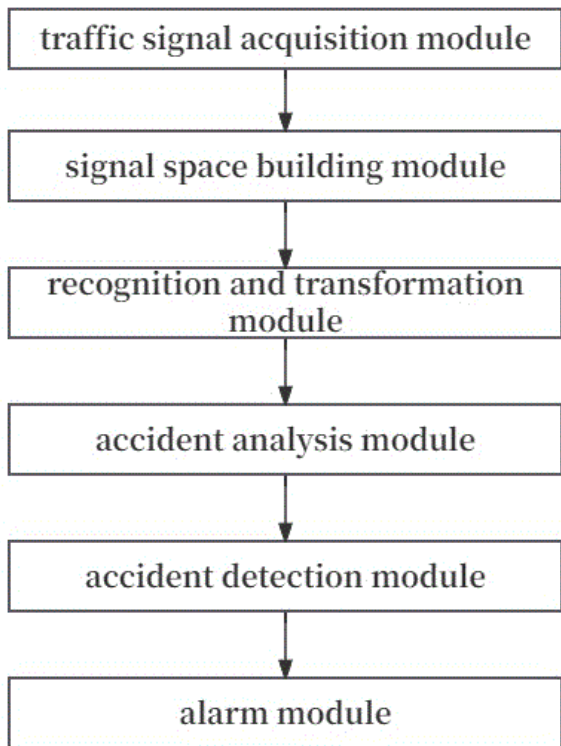
54: INTELLIGENT TUNNEL COMPREHENSIVE CONTROL METHOD DEVICE MEDIUM AND EQUIPMENT FOR TUNNEL CONSTRUCTION

00: -
 This application discloses a method, device, medium, and equipment for comprehensive control of smart tunnels used in tunnel construction, which relates to the field of tunnel smart control technology. The aim is to solve the problem of incomplete water seepage areas caused by occlusion of the captured images when using inspection equipment for water seepage monitoring in the existing technology, and thus unable to extract effective water seepage information in a timely manner. This application first segments the tunnel images with water seepage areas collected by the inspection equipment, divides the obstacle areas captured, and performs grayscale transformation after segmentation to reduce the image dimension and characterize the degree of water seepage with the depth of grayscale. Therefore, the grayscale values of the segmented obstacle areas can be completed based on the grayscale value information of areas other than the obstacle areas, that is, a more complete water seepage area can be restored through prediction, and the completed image can be used as the predicted water seepage situation image, which can extract more effective water seepage situations to achieve more efficient and better quality tunnel monitoring.

The present invention relates to the field of road traffic safety control technology, and specifically discloses a highway sound recognition accident detection system, comprising a traffic signal acquisition module that real-time collects the first sound signal and the second sound signal of a preset road section; The signal space establishment module is based on the MUSIC algorithm's vector space, which decomposes the characteristic frequency values of the first sound signal and matches the accident noise related feature vectors of the second sound signal to extract the noise feature signals and their direction angle estimates of the target sound source segment; The recognition and conversion module inputs the noise feature signal and its direction angle estimation into a three-dimensional spatial model, identifies the output noise feature signal strength, and confirms the target sound source position information; The accident analysis module inputs the noise accident occurrence table and noise characteristic signal strength into a preset analysis model for training, and outputs the accident occurrence parameters of the target sound source segment; The accident detection module analyzes the accident occurrence parameters to obtain the magnitude of the accident correlation coefficient.



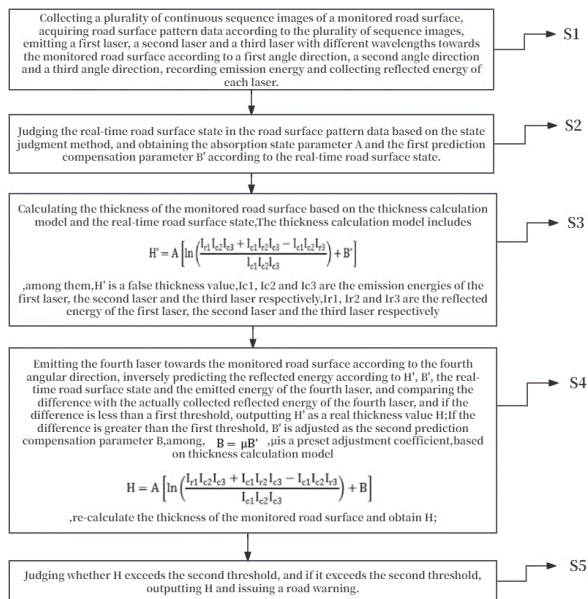
21: 2024/07707. 22: 2024/10/11. 43: 2024/12/13
 51: G08G
 71: Sichuan Gaolu Information Technology Co., Ltd.
 72: Zhang Qian, Wu Yunqiang, Liu Gang, Chen Huiyu, Dai Yang, Liu Yi, Song Zhoulun, Liang Yucen
 33: CN 31: 202411112373.8 32: 2024-08-14
54: A HIGHWAY SOUND RECOGNITION ACCIDENT DETECTION SYSTEM
 00: -



21: 2024/07708. 22: 2024/10/11. 43: 2024/12/13
 51: G08B
 71: Sichuan Gaolu Information Technology Co., Ltd.
 72: Lei Bingchuan, Dai Chao, Xia Weifeng, Jia Haowei, Yu Zhihao, Wang Yanchen, Zhang Ying
 33: CN 31: 202410910663.0 32: 2024-07-09
54: A SENSOR-BASED ROAD ICING EARLY WARNING METHOD AND SYSTEM

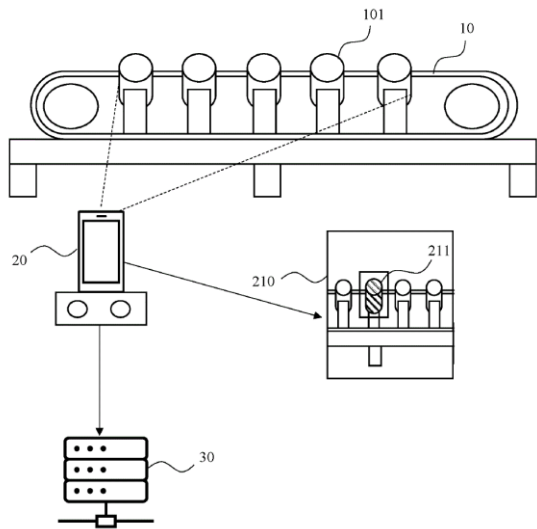
00: -
 The invention discloses a sensor-based road icing early warning method, which relates to the technical field of road early warning. Comprises S1, collecting pavement pattern data, emitting a first laser, a second laser and a third laser, recording the emission energy and collecting the reflected energy of each laser; S2, acquiring an absorption state parameter A and a first prediction compensation parameter B'; S3, thickness calculation is carried out based on the thickness calculation model, and H' is obtained as a false thickness value; S4, emitting a fourth laser, performing inverse calculation on the predicted reflected energy, and comparing with the actual reflected energy, if the difference is less than a first threshold, outputting H' as a real thickness value H; If the difference is greater than the first threshold, adjust B' as the second prediction

compensation parameter B, and re-calculate the thickness to obtain H; S5, if H exceeds the second threshold, outputting H and giving a road warning. The invention also provides a sensor-based road icing early warning system. The invention has the advantages of high data processing efficiency, accuracy and stability and good early warning effect.



21: 2024/07882. 22: 2024/10/17. 43: 2024/12/17
 51: B65G
 71: Aleksey Gennadevich PRIDOROZHNYI
 72: Aleksey Gennadevich PRIDOROZHNYI
 33: RU 31: 2022114413 32: 2022-05-28
54: MONITORING THE TECHNICAL CONDITION OF CONVEYOR BELT COMPONENTS

00: -
 The claimed technical solution relates to methods for visually monitoring the technical condition of conveyor belt components, and allows more efficient monitoring of the technical condition of conveyor belt components by means of automation and by precisely determining the heating of conveyor belt components with the aid of video identification in the visible and infrared ranges, generating an image of the inspected objects using augmented reality technology, and also identifying the position of components by obtaining the geo-coordinates of a recording.



21: 2024/07883. 22: 2024/10/17. 43: 2024/11/14
51: E02D

71: CHINA CONSTRUCTION THIRD ENGINEERING BUREAU GROUP (ZHEJIANG) CO., LTD., THE THIRD CONSTRUCTION CO., LTD OF CHINA CONSTRUCTION THIRD ENGINEERING BUREAU

72: YOU, PENGCHAO, SUN, HAIWEI, HUANG, YAJUN, MEI, XIAOFENG, SHI, YANG, LI, YING, LIN, XIAHUA, WANG, YANHUI, ZHAO, LIANG, CHEN, KAI, CHEN, JINHAO

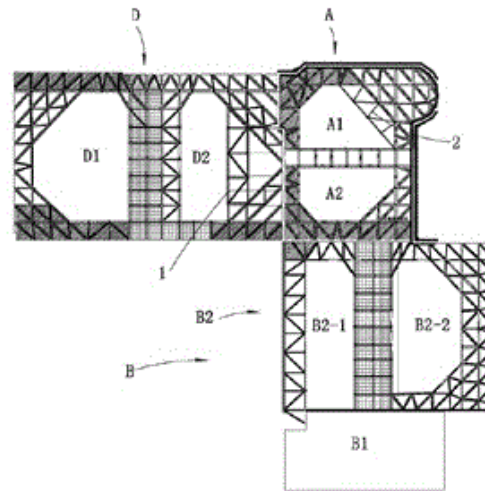
33: CN 31: 202211001529.6 32: 2022-08-19

54: DOUBLE-FOUNDATION-PIT DOUBLE-WORKING-CONDITION CONSTRUCTION METHOD

00: -

The present application relates to the field of foundation pit construction, and in particular to a double-foundation-pit double-working-condition construction method. The method comprises the following steps: foundation pit D and foundation pit B are both adjacent to foundation pit A, and surfaces of foundation pit A, foundation pit B and foundation pit D are cleaned; foundation pit D comprises area D1 and area D2, foundation pit A comprises area A1 and area A2, and foundation pit B comprises area B1 and area B2, wherein area B2 is adjacent to foundation pit A, and the order of earthwork excavation is sequentially: area B1, area B2, foundation pit A and foundation pit D; foundation pit B is provided with a basement structure; when the earthwork excavation of area B2 is performed, the basement structure in area B1 has positive and

negative zeroes; when the earthwork excavation of the foundation pit A is performed, the basement structure in area B2 is completed, and the construction of the floor of foundation pit D is completed; and when the earthwork excavation of foundation pit D is performed, first supporting construction of area B2 is completed. The present application has the effects of shortening a construction period and increasing construction speed.



21: 2024/08129. 22: 2024/10/28. 43: 2024/12/24
51: A61K; A61P

71: HEBEI JUNYU PHARMACEUTICAL CO., LTD.
72: ZHANG, Xiaoyun, FENG, Yingzhen, FENG, Xinpu

33: CN 31: 202311060692.4 32: 2023-08-22

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING POULTRY BRONCHIAL EMBOLISM, PREPARATION, PREPARATION METHOD AND APPLICATION THEREOF

00: -

A traditional Chinese medicine composition for treating poultry bronchial embolism, preparation, preparation method and application thereof. The traditional Chinese medicine composition comprises the following raw material components in parts by mass: 10-30 parts of Rhizoma Fagopyri Dibotryist, 5-15 parts of Flos Lonicerae, 5-15 parts of Agrimoniae Herba, 4-12 parts of Semen Armeniacae Amarum, 4-12 parts of Fructus Trichosanthis, 2-6 parts of Borneolum Syntheticum and 1-5 parts of Radix Glycyrrhizae.

21: 2024/08191. 22: 2024/10/30. 43: 2024/11/14
51: C02F

71: LOVE-SOIL ENGINEERING ENVIRONMENTAL TECHNOLOGY CO., LTD., LOVE-SOIL WATER AND ENVIRONMENTAL TECHNOLOGY (HUNAN) CO., LTD.

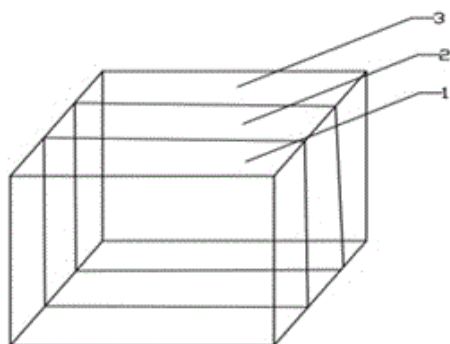
72: ZHOU, YUYAO, LI, NA, ZHANG, FENGYING , XIAO, WEI, GUO, XIAOWEI, LIU, SHAOJIE , MA, DEYUN, HE, LYU

33: CN 31: 202311801283.5 32: 2023-12-26

54: COMPOSITE FILLER FOR ANTIMONY-CONTAINING WASTEWATER TREATMENT AND PREPARATION METHOD THEREFOR

00: -

The invention provides a composite filler for antimony-containing wastewater treatment and a preparation method therefor and belongs to the technical field of wastewater treatment. The composite filler of the invention is processed and produced from a variety of mineral raw materials. The structure of the filler is changed by purifying, modifying, and compounding the filler, and the composite filler is prepared by rationally arranging the loading manner of the filler, thereby significantly increasing the specific surface area of the filler and enhancing the adsorption capacity of the filler for antimony in wastewater. In this way, under the same conditions, the composite filter has excellent removal effect in wastewater with high antimony concentration, which is significantly better than the conventional single filler form. The composite filler has the advantages of good adaptability, easy operation and low cost.



21: 2024/08288. 22: 2024/11/01. 43: 2025/01/17
51: G01M

71: Jiangsu YDF Valve Co., Ltd.

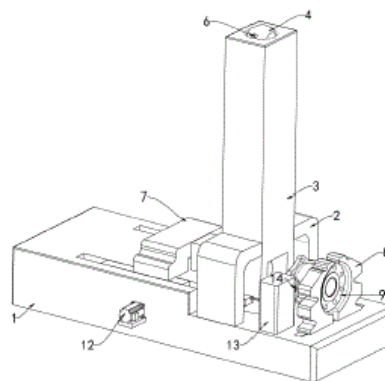
72: XIA, Yong, WANG, Shiming, LI, Changyue, XU, Chuan, CHU, Zhenhua, MA, Haifeng, LIU, Jiang

33: CN 31: 202311379872.9 32: 2023-10-24

54: AUTOMATIC ASSEMBLY DEVICE FOR INTELLIGENT PRODUCTION OF BALL VALVES

00: -

The present invention relates to the technical field of ball valve assembly, and specifically discloses an automatic assembly device for intelligent production of ball valves, comprising a workbench and a material receiving frame installed on the workbench, wherein a rotating ball is installed inside the material receiving frame, a main valve body is installed on the workbench, a driving frame is slidably connected to the workbench, a clamping member is installed inside the driving frame, and a driving mechanism for driving the driving frame to slide is arranged on the workbench; a valve stem is slidably connected to the workbench, and the valve stem is located on one side of the main valve body; and a pressure-applying assembly is arranged between the valve stem and the workbench. Before entering the main valve body, the rotating ball is limited by the plug strip and the clamping member and will not deviate, and can smoothly enter the main valve body; there is no need to drive the rotating ball installed inside the main valve body to rotate, so the valve stem can be easily installed, and the rotating ball will not rotate or deviate, thereby meeting the working needs.



21: 2024/08291. 22: 2024/11/01. 43: 2025/01/17
51: B09B

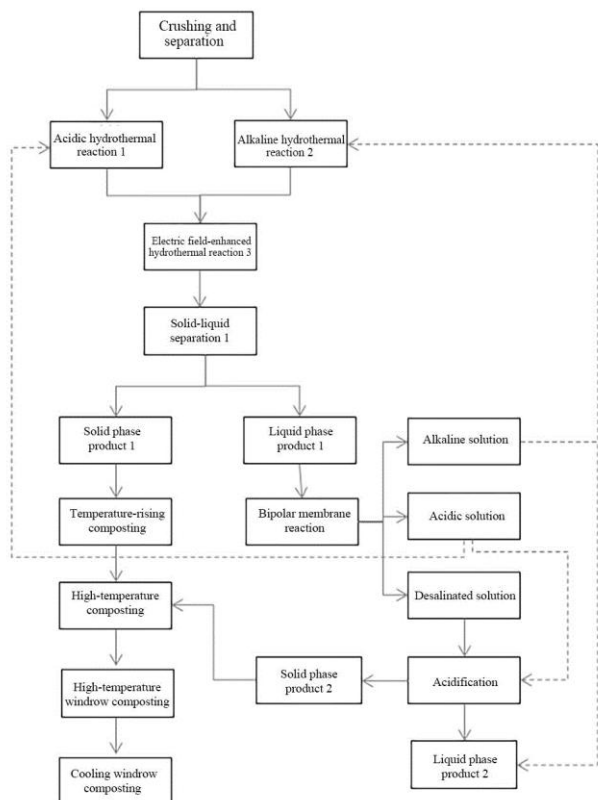
71: Xingzhi College Zhejiang Normal University
72: Man Yu, Ting Wu, Jie Zhang, Hansong Chen, Yue Chen

54: AN ELECTRIC FIELD-ENHANCED ORGANIC WASTE TREATMENT METHOD

00: -

The invention relates to the field of waste resource utilization technology, specifically to an electric field-enhanced organic waste treatment method,

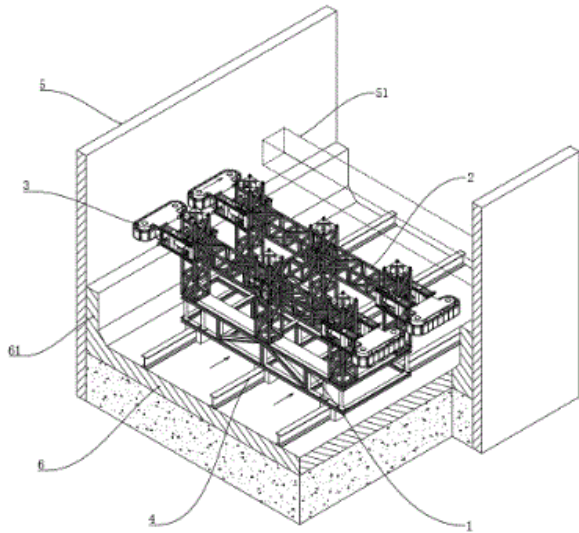
comprising the following steps: (1) crushing and separating organic waste to obtain crushed products; (2) mixing the crushed products with water to form a mixed product; (3) conducting a hydrothermal reaction on the mixed product to obtain a hydrothermal product; (4) performing solid-liquid separation on the hydrothermal product to obtain a first liquid phase product and a first solid phase product; (5) introducing the first liquid phase product into a bipolar membrane reaction tank, and after an electrified reaction, obtaining an acid solution, an alkaline solution, and a second liquid phase product, with the acid and alkaline solutions being added to step (3) for participation in the reaction; (6) subjecting the first solid phase product to electric field-enhanced composting treatment to produce organic fertilizer containing humic acid. The beneficial effects of this method include the effective utilization of organic waste, closely combining two treatment routes—solid phase and liquid phase—for kitchen waste, livestock, or poultry manure, reducing external additives, improving processing efficiency, and minimizing costs.



51: E04G
 71: CHINA RAILWAY INVESTMENT GROUP LIMITED, CHINA RAILWAY CONSTRUCTION ENGINEERING GROUP, CHINA RAILWAY CONSTRUCTION GROUP THIRD CONSTRUCTION CO., LTD, CHINA RAILWAY BINHAI (TIANJIN) RAIL TRANSIT INVESTMENT AND DEVELOPMENT CO., LTD., China RAILWAY Sixth Group Co., Ltd., Gansu Tieke Construction Engineering Consulting Co., Ltd.
 72: MA Xianggang, ZHANG Fan, WU Haonan, MA Shuaishuai, ZHANG Chenke, LI Jianxun, WANG Feng, WANG Fuchun, LONG Juan, LIAN Xia, WEI Desheng, WANG Jinping, LIU Yingpei, LIANG Fang, YUE Ting, QI Wei, WANG Qingtao, FAN Zhenwei, YI Min, XIE Qilin, LIU Changfu, HOU Di, HAN Yanxu, LIN Xiaoyang, LI Guangwei, DING Hui, TIAN Yunhe, CHEN Wenpeng, GUO Lei, YANG Wenyu, DONG Xiuhuan, XU Zhiyou
 33: CN 31: 202410986373.4 32: 2024-07-23
54: SUPPORT REPLACING CONSTRUCTION DEVICE FOR STEEL TUBE TRUSS OF STANDARD SECTION OF SUBWAY STATION
 00: -

Disclosed in the present invention is a support replacing construction device for a steel tube truss of a standard section of a subway station, which particularly relates to the technical field of deep foundation pit construction. The device includes a movable base, a support assembly, a support replacing assembly and a guide rail assembly. The support assembly includes a truss assembly, and the truss assembly is fixedly mounted on the guide rail assembly. The support replacing assembly includes a track frame, and the track frame is connected to the truss assembly through an adjusting frame assembly. A plurality of track shoes are arranged on the track frame, the track shoes are hinged in turn and surround a track wheel in the track frame to form a track structure, and an exterior of the track shoe is provided with a support replacing plate corresponding to a foundation pit diaphragm wall.

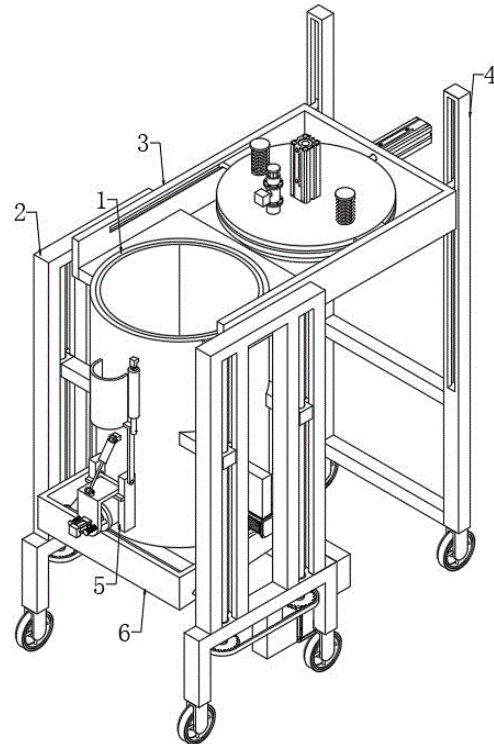
21: 2024/08319. 22: 2024/11/04. 43: 2025/01/13



21: 2024/08339. 22: 2024/11/04. 43: 2024/12/05
 51: B22D
 71: INNER MONGOLIA PUYUAN FERROALLOY CO., LTD
 72: Zhanbin Hu
 33: CN 31: 202410509945.X 32: 2024-04-26
54: AN ENERGY-SAVING SILICON MANGANESE ALLOY CASTING DEVICE AND A PRODUCTION METHOD THEREOF

00: -
 The invention discloses an energy-saving silicon manganese alloy casting device and a production method thereof. It relates to the technical field of silicon manganese alloy production, including a hot metal ladle shell, the top of the outer wall of the hot metal ladle shell is provided with a sealing bearing protection mechanism. The middle part of one side of the shell is provided with a plugging mechanism, and the bottom of the outer wall of the shell is provided with a bearing protection mechanism to bearing, and the bottom of one side of the shell is fixed and connected with a hot metal ladle port. The hot metal inlet connected with the hot metal ladle shell is connected with an inner brick pipe, and the plugging mechanism connected with the hot metal ladle shell can ensure the sealing of the hot metal inlet, and the plugging mechanism is cooperated with the undertaking bearing protection mechanism to ensure the casting process. Simanganic alloy is produced by side casting, which not only ensures stable casting flow pressure, improves product quality, but also avoids frequent action of hot metal ladle. This facilitates the treatment of the flue gas

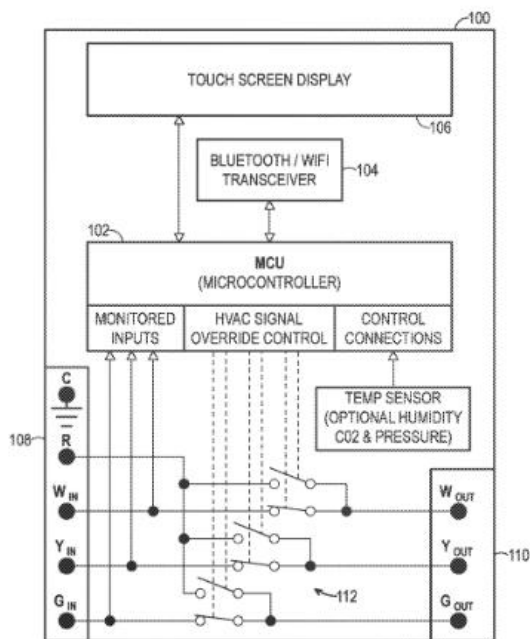
generated by the device, and the plugging mechanism works with the undertaking bearing protection mechanism. This is convenient for personnel to control the outflow of hot metal and ensure the casting process.



21: 2024/08944. 22: 2024/11/25. 43: 2025/01/16
 51: F24F
 71: INTEGRITY CIRCUITS LLC
 72: SULLINS, Jason L.
 33: US 31: 17/842,705 32: 2022-06-16
54: APPARATUS AND METHOD FOR FRESH AIR COOLING OF A RESIDENCE OR BUILDING

00: -
 A system and method for transporting cool fresh outside air into an occupied quarters which has an interface member, input connectors, output connectors, switches, and a microcontroller controllably coupled to the plurality of switches. When the thermostat controller system is operating during a heating period, the switches are closed by the microcontroller such that the thermostat controller system controls the operation of the remote air-handling unit that heats air provided to an occupied quarters. When the thermostat controller system is operating during a cooling period, the switches are opened by the microcontroller such that the thermostat controller system no longer controls

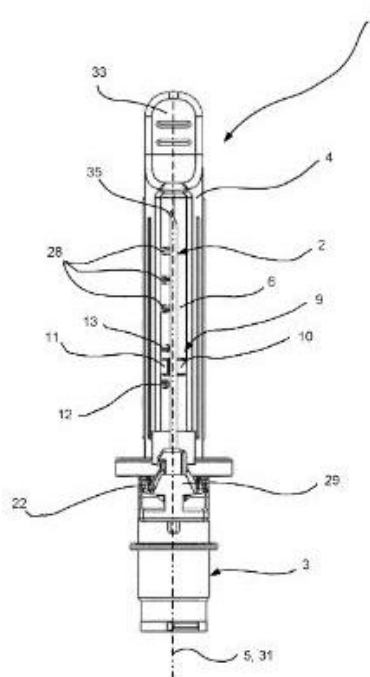
the operation of the remote air-handling unit when a temperature of outside air is at least less than a cooling set point. The microcontroller operates a remote fan to draw the outside air into the occupied quarters when the outdoor air temperature is less than the cooling set point.



21: 2024/09226. 22: 2024/12/02. 43: 2024/12/10
 51: A61M
 71: SAFEJECT INTERNATIONAL PTE LTD
 72: FISCHER, Stephan, MOHR, Bernd, WILKE, Tobias
 33: DE 31: 10 2022 111 083.4 32: 2022-05-05
54: PROTECTIVE DEVICE FOR A NEEDLE TUBE OF A SYRINGE
 00: -

The present invention relates to a protective device (1) for a needle tube (2) of a syringe, comprising a base (3) and a cover (4) connected to the base (3), wherein the cover (4) is pivotably mounted on the base (3) such that the cover (4) can be moved within a pivot plane (8) from a starting position relative to the base (3) in a first pivoting direction into a usage position and then in a second pivoting direction opposite the first pivoting direction into a protective position, wherein the cover (4) has, in the interior (6), a holding apparatus (9) by means of which the needle tube (2) can be interlockingly latched when the cover (4) is moved into the protective position. In order to provide a protective device which can be particularly easily placed on a needle carrier in an

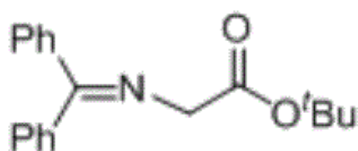
automated manner and at the same time offers a high degree of safety, preventing the needle tube from accidentally exiting the cover after the needle tube has been used for injection, according to the invention the holding apparatus (9) has a deformable tab (10), a stop (11) allocated to the tab (10) and at least one guide element (12, 13), wherein the stop (11) is designed such that the tab (10) can strike a stop surface (34) of the stop (11), wherein the guide element (12, 13) is allocated to the stop (11) and is designed to guide the needle tube (2).



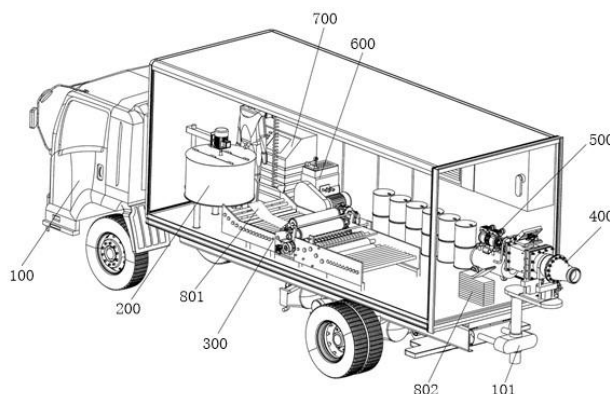
21: 2024/09450. 22: 2024/12/09. 43: 2024/12/13
 51: C07C
 71: INNER MONGOLIA UNIVERSITY, INNER MONGOLIA DUHE INNOVATION R AND D TECHNOLOGY CO., LTD
 72: LIU, Guodu, LI, Zongwei, YAN, Xinlong
 33: CN 31: 202410257052.0 32: 2024-03-07
54: PREPARATION METHOD FOR (2S,3R,4R)-4,5-DIHYDROXY ISOLEUCINE DERIVATIVE AND INTERMEDIATE
 00: -

The present invention belongs to the technical field of organic synthesis, and provides a preparation method for a (2S,3R,4R)-4,5-dihydroxy isoleucine derivative and an intermediate. The present invention provides a preparation method for a plurality of intermediates of a (2S,3R,4R)-4,5-

dihydroxy isoleucine derivative, and a (2S,3R,4R)-4,5-dihydroxy isoleucine derivative can be prepared on this basis. Specifically, in the present invention, a glycine derivative, i.e. benzophenone imine glycine tert-butyl ester (compound 1 having the structural formula as shown in formula 1), is selected as an initial reaction raw material, is convenient to purchase in a commercialized way and has a low price; efficient asymmetric synthesis of a target product is achieved by means of asymmetric allylation, asymmetric dihydroxylation, introduction or removal of a protecting group and other reactions.

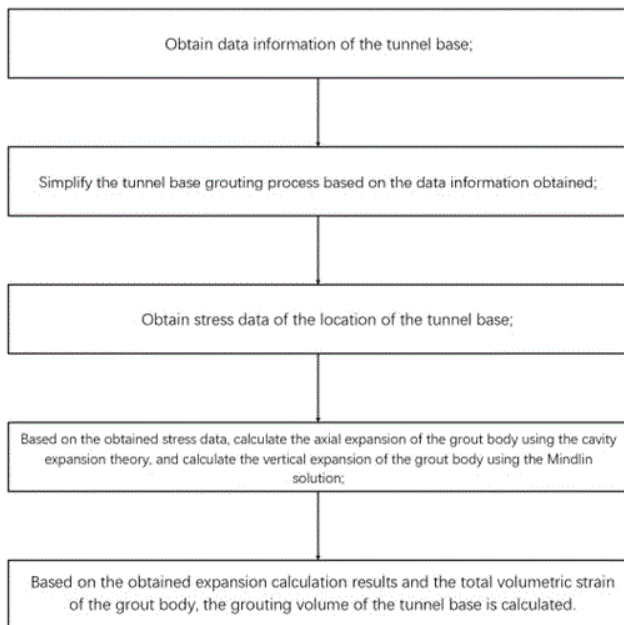


Formula 1



21: 2024/09541. 22: 2024/12/11. 43: 2024/12/17
 51: F16L
 71: SUN YAT-SEN UNIVERSITY
 72: MA, Baosong, HE, Chunliang, HUANG, Sheng
 33: CN 31: 2024101559454 32: 2024-02-04
54: INVERSION LINING REHABILITATION EQUIPMENT AND METHOD FOR PIPE REHABILITATION AND REINFORCEMENT
 00: -
 Inversion lining rehabilitation equipment and method for pipe rehabilitation and reinforcement are disclosed. The equipment includes a working vehicle, a power supply unit, a matrix mixing device, a hose impregnating and flattening device, a hose inversion device and a movable bracket. The working vehicle has a box body and a vehicle-mounted support frame. The box body has a first accommodation space, which accommodates a dry hose material storage area, a matrix material storage area, a guide tube storage area, the power supply unit, the matrix mixing device and the hose impregnating and flattening device. The hose inversion device includes an inversion machine and an air pump. The movable bracket includes a bracket body. The top of the vehicle-mounted support frame and the top of the bracket body are respectively provided with a first mounting seat and a second mounting seat to be detachably connected to the inversion machine.

21: 2024/09590. 22: 2024/12/12. 43: 2024/12/17
 51: G06F
 71: CENTRAL SOUTH UNIVERSITY
 72: You Wang, Yue Ma, Can Huang, Siyuan Yu, Tianya Gao, Zixi Yin, Weihang Li, Xijun Fan
 33: CN 31: 202410807302.3 32: 2024-06-21
54: CALCULATION METHOD AND SYSTEM FOR TUNNEL BASE GROUTING VOLUME
 00: -
 The present invention discloses a calculation method for tunnel base grouting volume, which includes the following steps: obtain data information about the tunnel base; simplify the tunnel base grouting process; obtain stress data of the location of the tunnel base; calculate the axial expansion of the grout body using the cavity expansion theory, and calculate the vertical expansion of the grout body using the Mindlin solution; and calculate the grouting volume of the tunnel base based on the expansion results obtained. The present invention also discloses a system for implementing the above-mentioned calculation method for tunnel base grouting volume. By simplifying the grout body of tunnel base, the present invention solves the axial and vertical expansions of the grout body separately based on Cavity Expansion Theory and Mindlin solution, ultimately calculating the grouting volume of the grout body. Moreover, the present invention offers higher reliability and better accuracy.



21: 2024/09598. 22: 2024/12/12. 43: 2024/12/17
 51: C12N
 71: SHANDONG SHUNFENG BIOTECHNOLOGY CO. LTD.
 72: LIANG, Yafeng, DUAN, Zhiqiang
 33: CN 31: 202211326596.5 32: 2022-10-25

54: CAS PROTEIN WITH IMPROVED EDITING ACTIVITY AND USE THEREOF

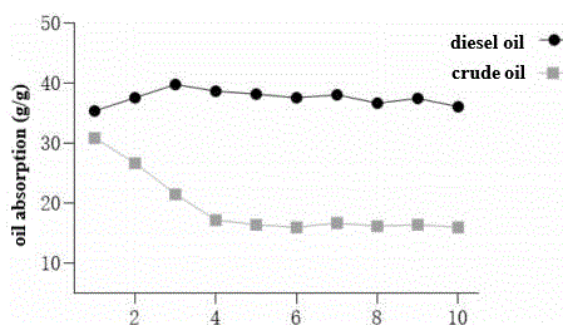
00: -
 A clustered regularly interspaced short palindromic repeats (CRISPR)-associated (Cas) mutant protein is disclosed. Compared with a parental Cas protein, the Cas mutant protein exhibits a significantly-improved editing activity, and has a promising application prospect.

21: 2024/09629. 22: 2024/12/13. 43: 2024/12/17
 51: C08J
 71: Hainan Normal University
 72: Haitao LV
 33: CN 31: 202410221674.8 32: 2024-02-28

54: METHOD FOR PREPARING THE POLYURETHANE FOAM APPLIED IN OIL-WATER SEPARATION

00: -
 This invention pertains to the field of oil-water separation technologies, especially relating to a method for preparing the polyurethane foam applied in oil-water separation. Nanostructured fibers with a

hydrophobic surface are prepared by hydrophobically modified chitosan and electrospinning technology in this invention, compounded with the polyurethane foam, thus loaded within the foam's pores to enhance the foam's surface roughness. And owing to the high specific surface area with a hydrophobic surface of the nanostructured fibers, these characteristics collectively significantly improve the hydrophobicity of the polyurethane foam, resulting in extremely high oil absorption rate and very low water absorption rate.

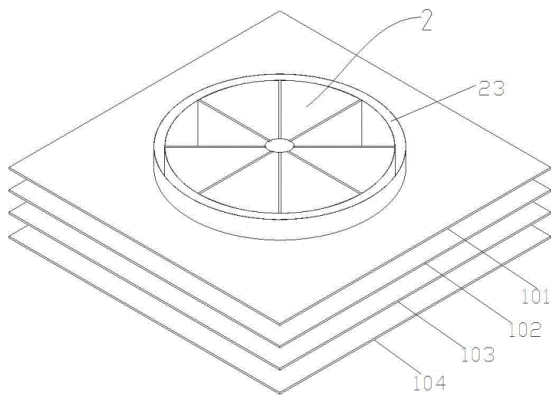


21: 2024/09654. 22: 2024/12/13. 43: 2024/12/17
 51: C02F
 71: QINGDAO SHANQING HOTONE ENVIRONMENTAL TECHNOLOGY CO., LTD
 72: Shilian MAO, Xianlian YANG, Zhengkai MAO, Jianmeng DU, Haofeng LUAN
 33: CN 31: 202210626485.X 32: 2022-06-02
 33: CN 31: 202310034476.6 32: 2023-01-10

54: SEWAGE TREATMENT SYSTEM, CONSTRUCTION METHOD FOR SEWAGE TREATMENT SYSTEM, AND SEWAGE TREATMENT CYLINDER

00: -
 The present invention provides a sewage treatment system, a construction method for a sewage treatment system, and a sewage treatment cylinder. The sewage treatment system comprises a foundation layer and a cylindrical sewage treatment tank arranged on the foundation layer, wherein the sewage treatment tank comprises a first treatment space enclosed by side walls, the first treatment space is divided into three sub-areas which are sequentially adjacent, namely, an anaerobic sub-area, an anoxic subarea and an aerobic sub-area, each sub-area respectively runs vertically from the top to the bottom of the sewage treatment tank, and two adjacent subareas are sequentially in communication, such that sewage in the sewage

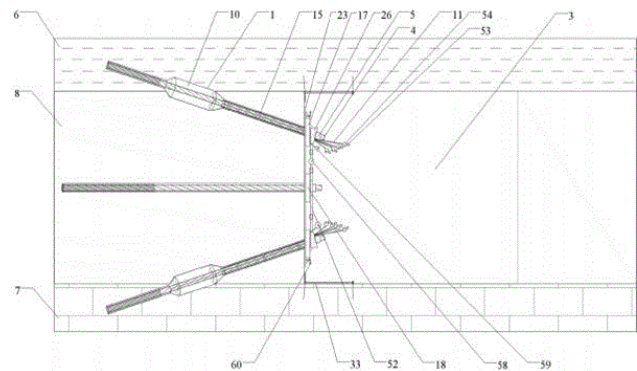
treatment tank sequentially flows through the anaerobic sub-area, the anoxic sub-area and the aerobic sub-area along a vertical serpentine path; and a plurality of layers of process platforms which are sequentially arranged from top to bottom are built around the sewage treatment tank above the foundation layer, and the process platforms are configured for carrying a secondary sedimentation apparatus and an advanced treatment apparatus that treat the sewage discharged from the sewage treatment tank, and carrying a power distribution apparatus that sustains operations of the sewage treatment tank. Construction land is reduced, and the space utilization in a horizontal plane is improved.



21: 2024/09688. 22: 2024/12/17. 43: 2025/01/17
 51: E01D
 71: CHINA UNIVERSITY MINING AND TECHNOLOGY-BEIJING, Henan Polytechnic University
 72: CHEN, Dongdong, YUE, Shuishuai, HE, Fulian, ZOU, Jun, GU, Wenzhe, TIAN, Chunyang, ZHU, Lei, YE, Qing, ZHANG, Jianzhong, XING, Shikun, PAN, Hao, Li, Hui
 33: CN 31: 202410142394.8 32: 2024-02-01
54: ANTI-SHEAR LOCKING CONTROL SYSTEM AND MONITORING METHOD OF TUNNEL SURROUNDING ROCKS

00: -
 The present invention discloses an anti-shear locking control system and monitoring method of tunnel surrounding rocks, belonging to the field of the anti-shear control and monitoring of tunnel surrounding rocks, wherein the system comprises an internal shear resistance and monitoring system of tunnel surrounding rocks, an external shear resistance and monitoring system of tunnel

surrounding rocks, a relative shear displacement monitoring system of the tunnel walls and the roof and floor layers, and an anchor agent installation system; holes are expanded in the anchor cable drilling holes passing through coal-rock interface areas of the coal walls and roof and floor rock layers to form shear misalignment tolerance cavities; monitoring pressure values of measuring bags and liquid discharge in the shear misalignment tolerance cavities to determine shear deformations of the shear misalignment tolerance cavities, monitoring forces on anchor cables, compensating pull rods and shear resistance steel strips, and adjusting the shear resistance of the anchor cable and steel belt through the compensation rod structure; the system and method adopted by the present invention solves the problem of easy breakage and failure of the anchor cables when the anchor cables are arranged obliquely on the tunnel walls inside and outside the surrounding rocks, and realizes anti-shear locking control and monitoring of the tunnel surrounding rocks, which has very broad and important promotion and application value.



21: 2025/00224. 22: 2025/01/07. 43: 2025/01/17
 51: E04B
 71: China MCC22 Group Corporation Ltd.
 72: Yupeng SUI, Chuang ZHAI, Qingyong MENG, Junyong WANG, Bin YAO, Tao SUN
 33: CN 31: 2024100437977 32: 2024-01-12
54: COMBINATION INSTALLATION CONSTRUCTION STRUCTURE OF REACTION WALL LOADING HOLE MODULE AND CONSTRUCTION METHOD THEREOF

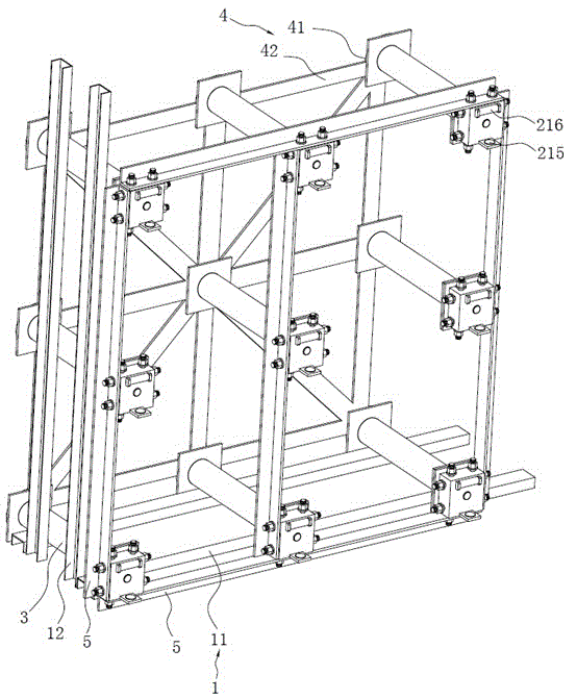
00: -
 The present invention relates to the technical field of reaction wall loading hole construction, specifically a reaction wall loading hole module assembly installation construction structure and a construction

method thereof, comprising at least two parallel X-axis support rods and a plurality of loading holes, the ends of the X-axis support rods are fixed with Y-axis support rods, each loading hole corresponds to a connection base, one end of the connection base close to the loading hole is threadedly connected with a connection bolt, the connection bolt passes through the loading hole, an expansion plugging assembly is provided on the connection bolt to prevent the connection bolt from offsetting the loading hole, the side wall of the connection base is installed with alloy angle steel, the remaining connection bases are connected vertically and horizontally by a plurality of alloy angle steels, a back plate is provided at the end of each loading hole, two adjacent back plates are connected by a connection plate, the connection bolt passes through the back plate and is threadedly connected with a fixing nut, and the fixing nut is pressed against the back plate. The present invention has the technical effects of fast construction speed and high construction precision of reaction wall loading holes.

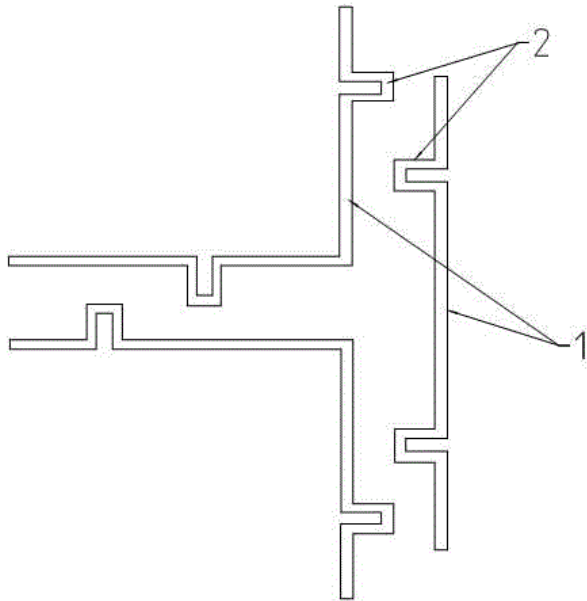
54: STRUCTURAL COLUMN FORMWORK STRUCTURE AND ITS SPECIAL FORMWORK AND CONSTRUCTION METHOD

00: -

The present invention provides a structural column formwork structure and a special formwork and a construction method thereof. The structural column formwork structure has a wall groove on the wall surface; an U-shaped curved protrusion is provided at the end of the formwork, and the convex surface of the U-shaped curved protrusion is inserted into the wall groove; a fixing piece is anchored in the U-shaped curved protrusion to fix the formwork and the wall; the structural column formwork has U-shaped curved protrusions at both ends, which protrude toward a side of the formwork close to the wall, and form a groove on a side of the formwork away from the wall; the construction method of the structural column formwork structure comprises the following steps: providing a notch that does not penetrate the wall on the wall surface; during installation, the U-shaped curved protrusion of the formwork is pressed into the wall groove, and then expanded and fixed with a fixing piece; the formwork is removed after the structural column concrete is poured and reaches a certain strength; the notch on the wall surface is filled with cement mortar; the formwork support of the present invention does not cause penetration damage to the wall and does not destroy the waterproof performance of the wall.



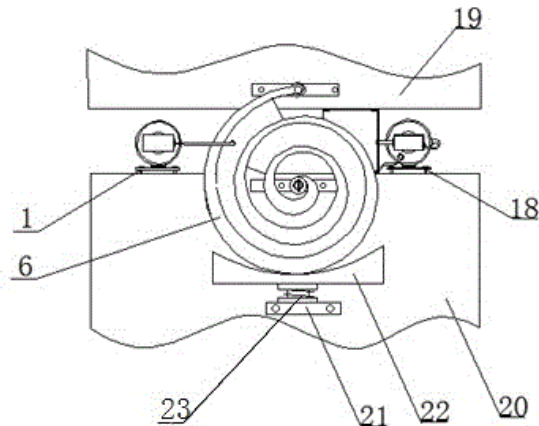
21: 2025/00225. 22: 2025/01/07. 43: 2025/01/17
 51: E04B
 71: China MCC22 Group Corporation Ltd.
 72: Kai MIAO, Feng CHEN, Shixiong YAO, Lilei ZHU, Junyong WANG
 33: CN 31: 2024103675534 32: 2024-03-28



21: 2025/00226. 22: 2025/01/07. 43: 2025/01/17
 51: E04B
 71: China MCC22 Group Corporation Ltd.
 72: Qingbo GUO, Xiaohui ZHAO, Tong LIU,
 Guoqiang CI
 33: CN 31: 2024101530738 32: 2024-02-04
**54: SELF-REPAIRING DAMPER USED BETWEEN
 CONNECTING BEAMS**

00: -
 The present invention relates to the field of building dampers, and specifically to a self-repairing damper used between connecting beams. It includes a first mounting bar fixed to the bottom of the front face of the upper connecting beam, a second mounting bar fixed to the top of the front face of the lower connecting beam, and a third mounting bar fixed to the front face of the lower connecting beam and located below the second mounting bar. A volute spring is arranged between the first mounting bar and the second mounting bar, the outer end of the volute spring is fixed to the first mounting bar, a connecting ring is arranged at the inner end of the volute spring, a bolt is fixed in the connecting ring, a threaded hole is provided on the second mounting bar, the bolt is screwed into the threaded hole, and a support assembly is arranged between the third mounting bar and the bottom of the volute spring. The supporting force of the volute spring can be adjusted by rotating the bolt, thereby facilitating the adjustment of the supporting force of the damper, and can be adaptively adjusted according to the

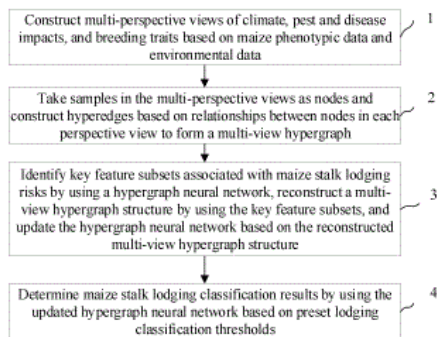
spacing between the connecting beams, can well cope with spring deformation, and better support between the building connecting beams.



21: 2025/00265. 22: 2025/01/08. 43: 2025/01/17
 51: G06N
 71: Information Technology Research Center,
 Beijing Academy of Agriculture and Forestry
 Sciences
 72: WANG, Kaiyi, ZHAO, Xiangyu, HE, Xuliang,
 YANG, Feng, ZHANG, Dongfeng, PAN, Shouhui,
 WANG, Xiaofeng
 33: CN 31: 202410489072.0 32: 2024-04-23
**54: METHOD AND APPARATUS FOR
 CLASSIFYING MAIZE STALK LODGING BASED
 ON HYPERGRAPH NEURAL NETWORK**

00: -
 A method and apparatus for classifying maize stalk lodging based on a hypergraph neural network are provided, and relate to the technical field of intelligent agricultural information processing. The method includes: constructing multi-perspective views of climate, pest and disease impacts, and breeding traits based on maize phenotypic data and environmental data; using samples in the multi-perspective views as nodes and constructing hyperedges based on relationships between nodes in each perspective view to form a multi-view hypergraph; identifying key feature subsets associated with maize stalk lodging risks by using a hypergraph neural network, reconstructing a multi-view hypergraph structure by using the key feature subsets, and updating the hypergraph neural network based on the reconstructed multi-view hypergraph structure; and determining maize stalk lodging classification results by using the updated

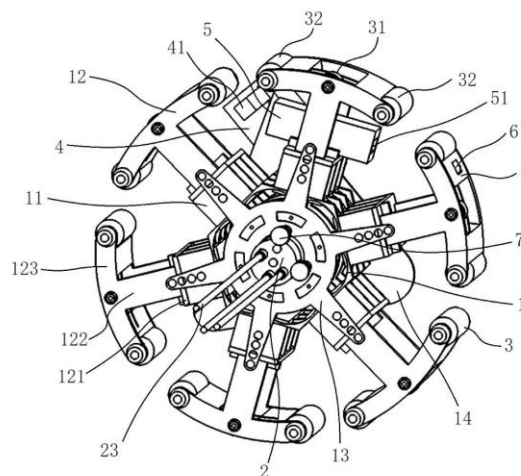
hypergraph neural network based on preset lodging classification thresholds.



21: 2025/00429. 22: 2025/01/13. 43: 2025/01/17
 51: F16L
 71: SUN YAT-SEN UNIVERSITY
 72: MA, Baosong, HUANG, Sheng, ZHAO, Yahong, BI, Jingjie
 33: CN 31: 202311305457.9 32: 2023-10-10
54: SPIRAL WINDING REPAIR DEVICE FOR UNDERGROUND PIPE

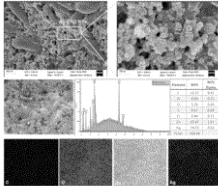
00: -
 The present disclosure relates to the field of trenchless pipe repair technology and discloses a spiral winding repair device for an underground pipe. The spiral winding repair device comprises: a swivel mount, a plurality of rolling assemblies, and a first guide block, a second guide block and a third guide block, wherein each rolling assembly comprises a walking wheel and one or more pressure rollers, the second guide block and the first guide block are arranged at intervals in a radial direction of the swivel mount, the second guide block is located at an outer side of the first guide block and in front of the first guide block, the third guide block and the second guide block are arranged at intervals in the radial direction of the swivel mount; and a circumferential angle is respectively provided between the first guide block and the second guide block, and between the second guide block and the third guide block in the circumferential direction of the swivel mount. The guide direction and the position of the stainless steel liner are changed twice, and the change in the radial position and in the guide direction of the stainless steel liner allows a buffer distance in the circumferential direction of the swivel mount, thereby achieving a smooth transition with a certain bend and ensuring that the

stainless steel liner will not be damaged due to bending during the spiral winding process.



21: 2025/00479. 22: 2025/01/15. 43: 2025/01/17
 51: C12N
 71: Yangtze University
 72: SHE, Yuehui, SI, Yinfang, ZHANG, Fan, DONG, Hao, SUN, Shanshan, YU, Gaoming
 33: CN 31: 202410073863.5 32: 2024-01-18
54: BACILLUS SUBTILIS BC23 MEDIATED SYNTHETIC NANOSCALE OIL DISPLACEMENT AGENT AND APPLICATION

00: -
 The present invention provides a Bacillus subtilis BC23 mediated synthetic nanoscale oil displacement agent and an application. The present invention provides a strain of Bacillus subtilis BC23 with a preservation number of CCTCC NO. M2023700. The strain of Bacillus subtilis BC23 is fermented and cultured to obtain a fermentation broth. The fermentation broth contains surfactant and emulsifier components, which can reduce surface tension of liquid, emulsify crude oil and promote an oil displacement process. The fermentation broth can be used for preparing bimetallic nano-particles, and the bimetallic nano-particles can reduce oil-water interfacial tension, expand sweep efficiency, change reservoir wettability, and increase the influence of a surfactant solution on an oil extraction process, thereby enhancing crude oil recovery. The strain of Bacillus subtilis BC23 provided by the present invention can be specially used for preparing an oil displacement agent and enhancing crude oil recovery.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

DESIGNS**APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993**

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

- APPLIED ON 2024/12/13 -

A2024/01311 - H & A Manufacturing (Pty) Ltd Class 20. LUMINOUS ADVERTISING DEVICES

A2024/01312 - Castrol Limited Class 09. CONTAINERS

- APPLIED ON 2024/12/17 -

F2024/01313 - INTERIOR CONCEPTS CC Class 07. END COVER CAP BLINDS

A2024/01346 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

F2024/01315 - INTERIOR CONCEPTS CC Class 07. BLIND END CAP

A2024/01323 - INTERIOR CONCEPTS CC Class 07. VERTICAL BLIND FRAME

A2024/01324 - INTERIOR CONCEPTS CC Class 07. MOUNT SCREWS COVER

A2024/01325 - INTERIOR CONCEPTS CC Class 07. COVER MOUNTING SCREWS

A2024/01326 - INTERIOR CONCEPTS CC Class 07. HOUSING BLIND MOTORS

F2024/01327 - SECURI-LID (PTY) LTD. Class 12. END CAPS FOR VEHICLE COVERS

A2024/01328 - SECURI-LID (PTY) LTD. Class 12. END CAPS FOR VEHICLE COVERS

F2024/01329 - MATTHYS MARTINUS VAN MOLENDORFF Class 19. ORNAMENTAL DESIGN FOR A FRAGRANCED STICKER WITH ADVERTISING PLACED ON AN AIRSICK BAG

A2024/01338 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01341 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01342 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01343 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01344 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01345 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01347 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01348 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01350 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

F2024/01356 - MATTHYS MARTINUS VAN MOLENDORFF Class 19. ORNAMENTAL DESIGN FOR A MULTI LAYER FRAGRANCED STICKER WITH ADVERTISING PLACED ON AN AIRSICK BAG

A2024/01316 - INTERIOR CONCEPTS CC Class 07. END CAP FOR BLINDS

A2024/01319 - INTERIOR CONCEPTS CC Class 07. BLINDS CURTAINS BRACKET

A2024/01320 - INTERIOR CONCEPTS CC Class 07. MODERN CURTAIN TRACK

A2024/01321 - INTERIOR CONCEPTS CC Class 07. MODERN CURTAIN TRACK

A2024/01330 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01333 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01334 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01335 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01339 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01340 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01349 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01351 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01352 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01353 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01354 - MATTHYS MARTINUS VAN MOLENDORFF Class 19. ORNAMENTAL DESIGN FOR A MULTI LAYER FRAGRANCED STICKER WITH ADVERTISING PLACED ON AN AIRSICK BAG

F2024/01355 - MATTHYS MARTINUS VAN MOLENDORFF Class 19. ORNAMENTAL DESIGN FOR A MULTI LAYER FRAGRANCED STICKER WITH ADVERTISING PLACED ON AN AIRSICK BAG

A2024/01317 - INTERIOR CONCEPTS CC Class 07. CURTAIN TRACK

A2024/01318 - INTERIOR CONCEPTS CC Class 07. UNIQUE CURTAIN TRACK

A2024/01322 - INTERIOR CONCEPTS CC Class 07. VERTICAL FRAME BLINDS

A2024/01331 - Caterpillar Inc. Class 15. CUTTING EDGES FOR MOTOR GRADERS

A2024/01332 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01336 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01337 - Caterpillar Inc. Class 15. CUTTING EDGE BITS FOR MOTOR GRADERS

A2024/01314 - INTERIOR CONCEPTS CC Class 07. END CAP FOR BLINDS

- APPLIED ON 2024/12/18 -

F2024/01366 - BRASIL FRANK AND ASSOCIATES (PTY) LTD Class 08. LOCKS

F2024/01365 - BRASIL FRANK AND ASSOCIATES (PTY) LTD Class 08. LOCK MOUNTS

A2024/01357 - PARFUMS CHRISTIAN DIOR Class 04. MASCARA BRUSHES

A2024/01367 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. DASHBOARD FOR VEHICLE

A2024/01371 - BYD COMPANY LIMITED Class 12. AUTOMOBILE

F2024/01359 - FISH, Christopher Class 22. BAIT LAUNCHERS

F2024/01364 - CAWOOD, Christopher, Dudley Class 24. LARYNGOSCOPE

A2024/01369 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. DASHBOARD FOR VEHICLE

F2024/01370 - CONTROL CHEMICALS (PTY) LTD Class 9. FLOATING CHEMICAL DISPENSING CONTAINER BASE MEMBERS

A2024/01358 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. BUMPER FOR VEHICLE

A2024/01361 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 26. HEADLIGHTS FOR VEHICLE

A2024/01360 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 26. HEADLIGHTS FOR VEHICLE

A2024/01362 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. STEERING WHEEL

A2024/01363 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. TRUCK CAB

A2024/01368 - DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED Class 12. TRUCK CAB

- APPLIED ON 2024/12/19 -

A2024/01376 - ALLIANCE SPORTS GROUP, L.P. Class 13. POWER STATION

F2024/01372 - CHICK, Graham Leslie Class 13. ELECTRICAL SOCKET OUTLETS AND ADAPTERS

A2024/01374 - ALLIANCE SPORTS GROUP, L.P. Class 26. FLASHLIGHT

A2024/01375 - ALLIANCE SPORTS GROUP, L.P. Class 13. POWER BANK

A2024/01373 - CHICK, Graham Leslie Class 13. ELECTRICAL SOCKET OUTLETS AND ADAPTERS

- APPLIED ON 2024/12/20 -

F2024/01380 - MSND Holding Class 02. GOLF GLOVE

F2024/01377 - PRIOR FAMILY TRUST (IT000007/2021 (M)) Class 12. TRAILER

A2024/01385 - Personnel Hygiene Services Limited Class 23. FLUID DISPENSERS

A2024/01378 - PRIOR FAMILY TRUST (IT000007/2021 (M)) Class 12. TRAILER

F2024/01379 - VAN DER MERWE, Jacobus Quintus Class 23. STORAGE TANKS

A2024/01382 - Essity Hygiene and Health Aktiebolag Class 24. SANITARY ARTICLES

F2024/01381 - Sandvik Mining and Construction Oy Class 15. PRESSURE ACCUMULATORS FOR ROCK DRILLS

A2024/01386 - IRONMAN 4 X 4 PTY LTD Class 12. VEHICLE CANOPY

A2024/01383 - Essity Hygiene and Health Aktiebolag Class 24. SANITARY ARTICLES

A2024/01384 - Essity Hygiene and Health Aktiebolag Class 24. SANITARY ARTICLES

- APPLIED ON 2024/12/23 -

A2024/01387 - HYUNDAI MOTOR COMPANY, KIA CORPORATION Class 12. TRUCK

A2024/01389 - Colgate-Palmolive Company Class 4. PERSONAL CARE IMPLEMENTS

A2024/01391 - Colgate-Palmolive Company Class 28. PERSONAL CARE IMPLEMENTS

A2024/01392 - Colgate-Palmolive Company Class 28. PERSONAL CARE IMPLEMENTS

A2024/01390 - Colgate-Palmolive Company Class 4. PERSONAL CARE IMPLEMENTS

F2024/01395 - Rim NextGen Ltd. Class 10. GAS MEASURING INSTRUMENTS

A2024/01388 - GEE, Lindsey Class 28. PICK COMB

A2024/01393 - Sky CP Limited Class 14. TELEVISIONS

A2024/01394 - Rim NextGen Ltd. Class 10. GAS MEASURING INSTRUMENTS

- APPLIED ON 2025/01/02 -

A2025/00009 - TORRENT INNOVA, S.L. Class 9. CAPSULE FOR A BOTTLE

A2025/00004 - The Active Business Trust Class 09. 250 ML PET BOTTLE

A2025/00007 - Taahirah Demaine Class 12. STROLLER WAGON

A2025/00002 - The Active Business Trust Class 09. MUSHROOM BOTTLE

A2025/00005 - JIANGSU YUEKAI BIOTECHNOLOGY CO., LTD., JIANGSU YUWELL-POCT BIOLOGICAL TECHNOLOGY CO., LTD., ZHEJIANG KAILITE MEDICAL INSTRUMENT CO., LTD. Class 24. CONTINUOUS GLUCOSE MONITORING TRANSMITTER

A2025/00006 - JIANGSU YUEKAI BIOTECHNOLOGY CO., LTD., JIANGSU YUWELL-POCT BIOLOGICAL TECHNOLOGY CO., LTD., ZHEJIANG KAILITE MEDICAL INSTRUMENT CO., LTD. Class 24. CONTINUOUS GLUCOSE MONITORING TRANSMITTER

A2025/00010 - Personnel Hygiene Services Limited Class 28. AIR FRESHENERS

A2025/00001 - The Active Business Trust Class 09. 435ML HDPE BOTTLE

F2025/00008 - Sabeliwe Thela Class 28. COSMETIC AND FOAM DISPENSER

A2025/00003 - The Active Business Trust Class 09. 500ML PET BOTTLE

- APPLIED ON 2025/01/07 -

A2025/00011 - HANVON UGEE TECHNOLOGY CO., LTD. Class 14. COMPUTING INPUT DEVICE

A2025/00015 - Caterpillar Inc. Class 15. ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS

A2025/00012 - Caterpillar Inc. Class 15. TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS

A2025/00013 - Caterpillar Inc. Class 15. ADAPTERS FOR GROUND ENGAGING MACHINE IMPLEMENTS

A2025/00014 - Caterpillar Inc. Class 15. TIPS FOR GROUND ENGAGING MACHINE IMPLEMENTS

- APPLIED ON 2025/01/08 -

A2025/00017 - Skechers U.S.A., Inc. II Class 02. FOOTWEAR

A2025/00016 - Skechers U.S.A., Inc. II Class 02. FOOTWEAR

- APPLIED ON 2025/01/09 -

A2025/00019 - ORKLA HEALTH AS Class 04. TOOTHBRUSH HEAD

A2025/00020 - ORKLA HEALTH AS Class 04. TOOTHBRUSH HEAD

A2025/00023 - CEAT LIMITED Class 12. TYRE

A2025/00021 - ORKLA HEALTH AS Class 28. ELECTRIC TOOTHBRUSH

A2025/00022 - ORKLA HEALTH AS Class 28. ELECTRIC TOOTHBRUSH

F2025/00018 - THASASA (PTY) LTD Class 15. PORTABLE STONE DUSTER MACHINE

- APPLIED ON 2025/01/10 -

F2025/00026 - WANG, Guanwen Class 6. CABINET SIDE PANELS

A2025/00030 - BEIJING XIAOMI MOBILE SOFTWARE CO., LTD., XIAOMI SMART APPLIANCES (WUHAN) CO., LTD., XIAOMI TECHNOLOGY (WUHAN) CO., LTD. Class 15. DOOR FOR A LAUNDRY APPARATUS

A2025/00032 - OMEGA SA (OMEGA AG) (OMEGA LTD.) Class 10. WATCH

F2025/00028 - WANG, Guanwen Class 6. DRAWER SIDE PANELS

A2025/00031 - BEIJING XIAOMI MOBILE SOFTWARE CO., LTD., XIAOMI SMART APPLIANCES (WUHAN) CO., LTD., XIAOMI TECHNOLOGY (WUHAN) CO., LTD. Class 15. FRONT PART OF A LAUNDRY APPARATUS

A2025/00024 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. SOFA BED

F2025/00025 - WANG, Guanwen Class 6. DRAWER SIDE PANELS

F2025/00029 - WANG, Guanwen Class 6. CABINET SIDE PANELS

F2025/00027 - WANG, Guanwen Class 6. DRAWER TRACKS

- APPLIED ON 2025/01/13 -

F2025/00033 - COMPOSITE CONVEYOR EQUIPMENT COMPANY (PTY) LIMITED Class 12. IDLER SHAFT
END

- APPLIED ON 2025/01/14 -

A2025/00034 - lewis emmanuel Class 02. THATS IT

- APPLIED ON 2025/01/16 -

A2025/00038 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

A2025/00040 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

A2025/00037 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

A2025/00036 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

A2025/00041 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

A2025/00035 - THE ALESSIO TRUST Class 7. DISPENSER

A2025/00039 - QATAR AIRWAYS GROUP (Q.C.S.C.) Class 06. AIRCRAFT FURNITURE

- APPLIED ON 2025/01/17 -

A2025/00047 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

F2025/00086 - MARAIS, Hendrik Jacobus Petrus Class 08. SLIDING GATE SECURITY MEMBERS

A2025/00049 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00055 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00059 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00060 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00077 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/00081 - YETI COOLERS, LLC Class 9. CONTAINER

A2025/00082 - YETI COOLERS, LLC Class 9. LID

A2025/00083 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/00087 - Chantalle Senekal Class 21. GRIP RIP

A2025/00043 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00050 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00078 - YETI COOLERS, LLC Class 9. CONTAINER

A2025/00085 - YETI COOLERS, LLC Class 9. LID

A2025/00042 - New-Tec Integration (Xiamen) Co., Ltd. Class 09. PACKAGING BOX

A2025/00044 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00073 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00080 - YETI COOLERS, LLC Class 9. CONTAINER AND LID

A2025/00045 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00063 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00065 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00051 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00056 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00058 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00062 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00064 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00066 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00069 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00070 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00072 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00079 - YETI COOLERS, LLC Class 9. LID

A2025/00084 - YETI COOLERS, LLC Class 9. CONTAINER

A2025/00074 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00075 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00046 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00052 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00053 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00054 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00057 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00071 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00076 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00061 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00067 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00068 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

A2025/00048 - Huawei Technologies Co., Ltd. Class 14. MOBILE PHONES

- APPLIED ON 2025/01/20 -

A2025/00089 - KAP Automotive (Pty) Ltd Class 12. SPORTS BAR

A2025/00088 - STASHER, INC. Class 3. CONTAINER

- APPLIED ON 2025/01/21 -

A2025/00090 - Caterpillar Inc. Class 15. BACK-UP RINGS

- APPLIED ON 2025/01/22 -

A2025/00091 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. SOFA BED

F2025/00092 - APL Cartons (Pty) Ltd Class 09. CONTAINER

F2025/00095 - Overland Shoes Limited Class 02. SHOE OUTSOLE

A2025/00094 - Caterpillar Inc. Class 15. CUSHION SLEEVES

A2025/00093 - LE CREUSET GROUP AG Class 07. LID HANDLE FOR COOKING PANS

- APPLIED ON 2025/01/23 -

A2025/00103 - VERSAH, LLC Class 24. LID FOR SURGICAL BUR KIT HOLDER

F2025/00097 - VASSILAKIS DEMETRIOU Class 07. HEATING APPARATUS

A2025/00101 - LONATI S.P.A. Class 15. PART OF A TEXTILE MACHINE

A2025/00104 - VERSAH, LLC Class 24. BASE FOR SURGICAL BUR KIT HOLDER

A2025/00102 - VERSAH, LLC Class 24. SURGICAL BUR KIT HOLDER ASSEMBLY

A2025/00098 - LONATI S.P.A. Class 15. PART OF A TEXTILE MACHINE

A2025/00099 - LONATI S.P.A. Class 15. PART OF A TEXTILE MACHINE

A2025/00100 - LONATI S.P.A. Class 15. PART OF A TEXTILE MACHINE

A2025/00096 - VASSILAKIS DEMETRIOU Class 07. HEATING APPARATUS

- APPLIED ON 2025/01/24 -

F2025/00108 - NIENHUIS, Jan, Balster Class 13. HINGED M430 ROOF SHEET CLAMP FOR MOUNTING SOLAR PANELS

A2025/00107 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2025/00109 - JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. Class 25. TRANSITION SECTION OF A TOWER OF A WIND TURBINE

A2025/00111 - JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. Class 25. TRANSITION SECTION OF A TOWER OF A WIND TURBINE

A2025/00110 - New-Tec Integration (Xiamen) Co., Ltd. Class 06. FOLDING SOFA BED

A2025/00105 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2025/00106 - PHILIP MORRIS PRODUCTS S.A. Class 27. ELECTRONIC CIGARETTE

A2025/00112 - JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD. Class 25. TRANSITION SECTION OF A TOWER OF A WIND TURBINE

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

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgment. **(23)** release date (if applicable). **(43)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

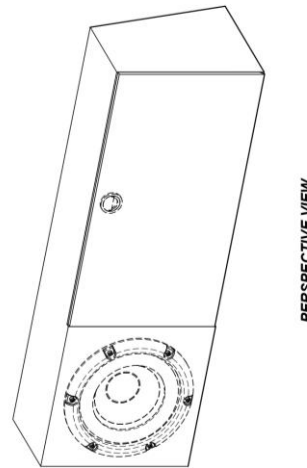
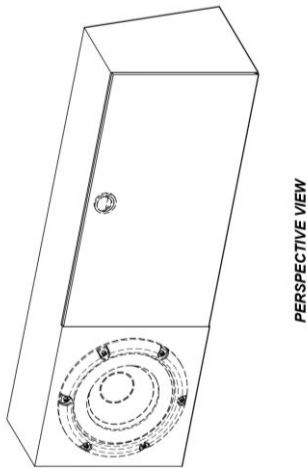
N.B.: Date of registration (43) is either Date of lodgment (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2021/01561 22: 2021-12-23 23:
 43: 2024-11-14
 52: Class 07 24: Part A
 71: SIBISI, PHUMLANI ERICK

54: A COOLER

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 COOLER as shown in the accompanying representations, irrespective of the features shown in broken lines.



21: A2022/00478 22: 2022-05-05 23:
 43: 2024-11-14
 52: Class 21 24: Part A
 71: VENTER, BRENDON

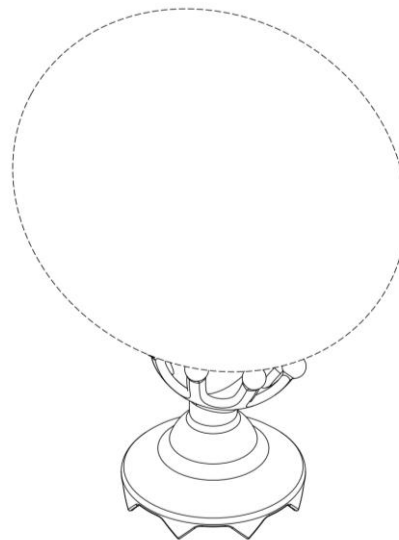
54: KICKING TEE

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 KICKING TEE as shown in the accompanying representations, irrespective of the features shown in broken lines.

21: A2021/01563 22: 2021-12-23 23:
 43: 2024-11-14
 52: Class 14 24: Part A
 71: SIBISI, PHUMLANI ERICK

54: A COOLER

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 COOLER as shown in the accompanying representations, irrespective of the features shown in broken lines.

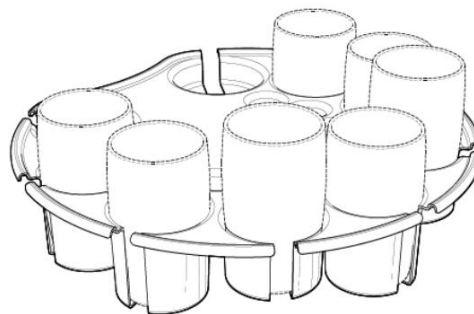


PERSPECTIVE VIEW OF
 ARTICLE IN USE

21: A2022/01293 22: 2022-10-14 23:
 43: 2022-04-15
 52: Class 21 24: Part A
 71: Puttshack LTD
 33: US 31: 29/835,143 32: 2022-04-15

54: MINIATURE GOLF HOLES

57: The design is for a miniature golf hole that has a front part and a rear part separated by an upright wall, resembling a 4-in-a-row game, that has a rectangular profile and is provided in the middle of the miniature golf hole. The wall defines a 7x6 array of circular elements, with a central element in the lowest row defining an opening through which a golf ball can pass. An inclined ramp extends from the front part up to the central element. A transverse trench is provided beneath the inclined ramp. A stepped declined ramp extends between the central element and the rear part, which includes a hole in register with the stepped declined ramp.



PERSPECTIVE VIEW OF TRAY IN USE

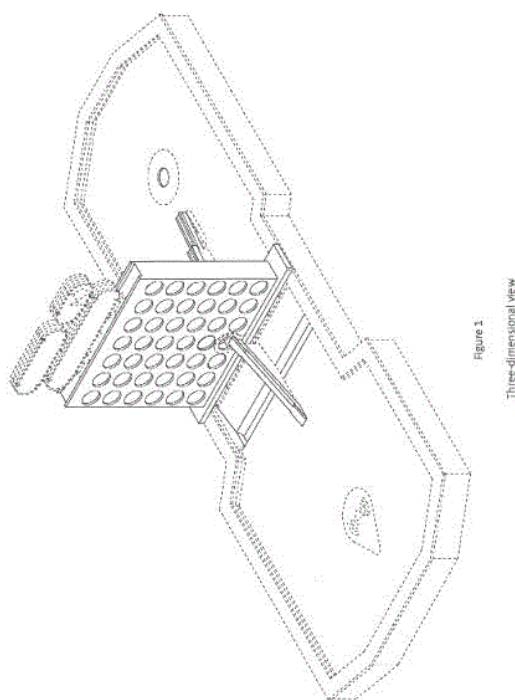
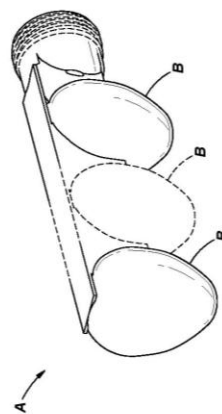


Figure 1
Three-dimensional view

21: A2023/00952 22: 2023-08-31 23:
43: 2024-11-14
52: Class 07 24: Part A
71: GRADUS-SAMSON, Kyle

54: TABLEWARE

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a TABLEWARE as shown in the accompanying representations, irrespective of the features shown in broken lines.



FIRST PERSPECTIVE VIEW

21: A2023/00441 22: 2023-04-11 23: 2023-01-01
43: 2024-11-14
52: Class 07 24: Part A
71: PIJO PLASTICS (PTY) LTD

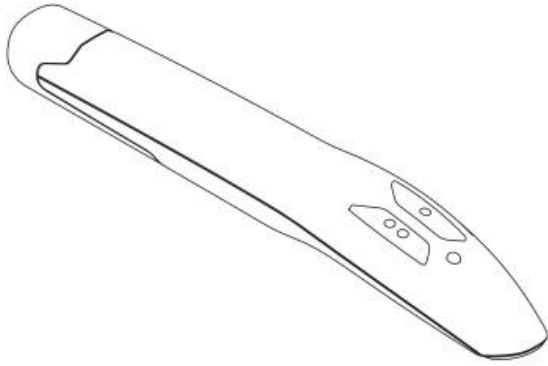
54: TRAY FOR HOUSEHOLD GOODS

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 TRAY FOR HOUSEHOLD GOODS as shown in the accompanying representations, irrespective of the features shown in broken lines.

21: A2023/01125 22: 2023-10-18 23:
43: 2024-12-10
52: Class 24 24: Part A
71: DERMAPHARM AG
33: EP 31: 015018638-0002 32: 2023-04-19

54: APPARATUS FOR THERMOTHERAPY

57: The design is for apparatus for thermotherapy that has an elongate shape with two button on its top and a circular, downturned front end.



21: A2023/01208 22: 2023-11-09 23:
43: 2023-05-19

52: Class 24 24: Part A

71: Cilag GmbH International

33: US 31: 29/892,596 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge comprises an elongate body having a generally rectangular cross-section. The cartridge has a rounded tip and a rounded protrusion projecting therefrom. The cartridge has a top surface which is substantially flat with an elevation near the tip, and a downward slope from the elevation to the tip. The slope has three substantially rectangular apertures. Two apertures are positioned laterally and extend longitudinally, and the third aperture is positioned centrally and extends laterally. The top surface has two notches on each with a tab between the two notches extending downwardly. A bottom surface of the cartridge has a rectangular shape with a groove extending longitudinally and centrally. Sides of the cartridge body are generally rectangular and cooperate with the rounded tip.

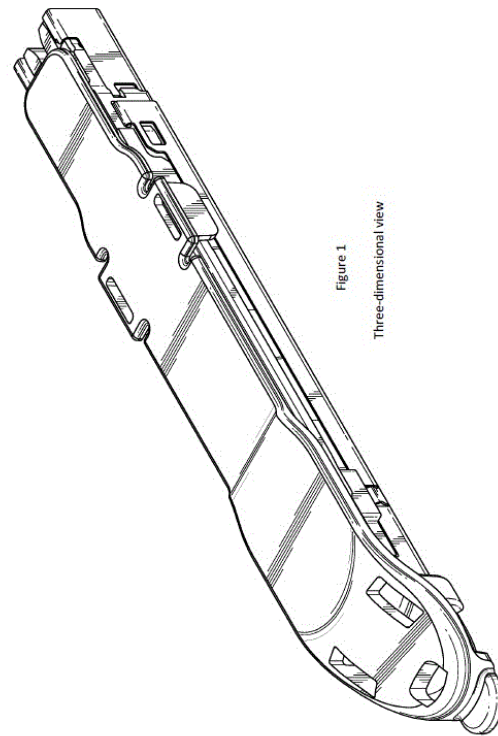


Figure 1
Three-dimensional view

21: A2023/01209 22: 2023-11-09 23:
43: 2023-05-19

52: Class 24 24: Part A

71: Cilag GmbH International

33: US 31: 29/892,597 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge comprises an elongate body having a generally rectangular cross-section and has a rounded tip which slopes downwardly. The cartridge further has a top surface and a bottom surface and two sides. At the top surface, the cartridge has a pair of transversely spaced elongate tracks separated by a central elongate channel. Each of the elongate tracks accommodates staples having pointed ends. The sides of the cartridge body are generally rectangular and join the rounded tip. The cartridge body has interconnections on each side between top and bottom portions. The bottom surface is flat with the central channel separating it into two side-by-side halves.

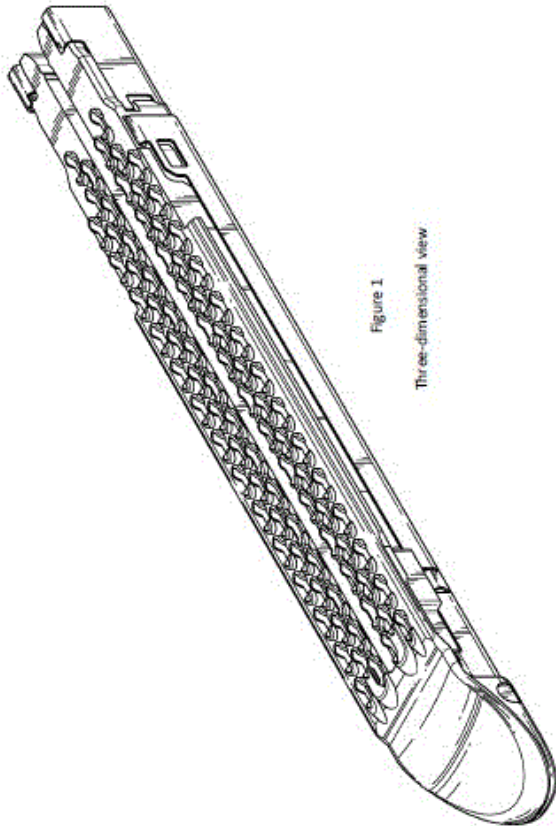


Figure 1
Three-dimensional view

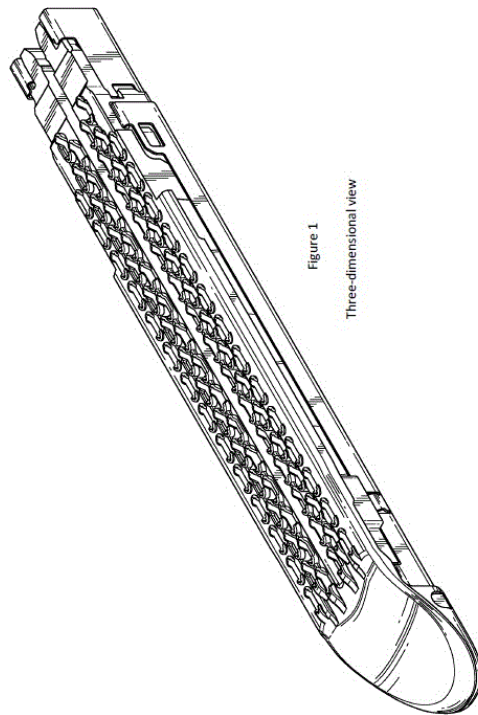


Figure 1
Three-dimensional view

21: A2023/01210 22: 2023-11-09 23:
43: 2023-05-19

52: Class 24 24: Part A

71: Cilag GmbH International

33: US 31: 29/892,596 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge comprises an elongate body having a generally rectangular cross-section and has a rounded tip which slopes downwardly. The cartridge further has a top surface and a bottom surface and two sides. At the top surface, the cartridge has a pair of transversely spaced elongate tracks separated by a central elongate channel. Each of the elongate tracks accommodates staples having pointed ends. The sides of the cartridge body are generally rectangular and join the rounded tip. The cartridge body has interconnections on each side between top and bottom portions. The bottom surface is flat with the central channel separating it into two side-by-side halves.

21: A2023/01211 22: 2023-11-09 23:

43: 2023-05-19

52: Class 24 24: Part A

71: Cilag GmbH International

33: US 31: 29/892,596 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge.

The cartridge comprises an elongate body having a generally rectangular cross-section and has a rounded tip which slopes downwardly. The cartridge further has a top surface and a bottom surface and two sides. At the top surface, the cartridge has a pair of transversely spaced elongate tracks separated by a central elongate channel. The sides of the cartridge body are generally rectangular and join the rounded tip. The cartridge body has interconnections on each side between top and bottom portions. The bottom surface is flat with the central channel separating it into two side-by-side halves. The cartridge is of indefinite length.

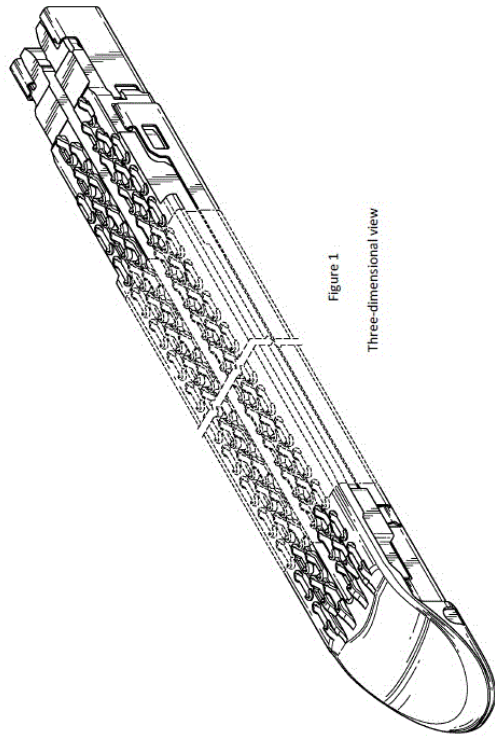


Figure 1
Three-dimensional view

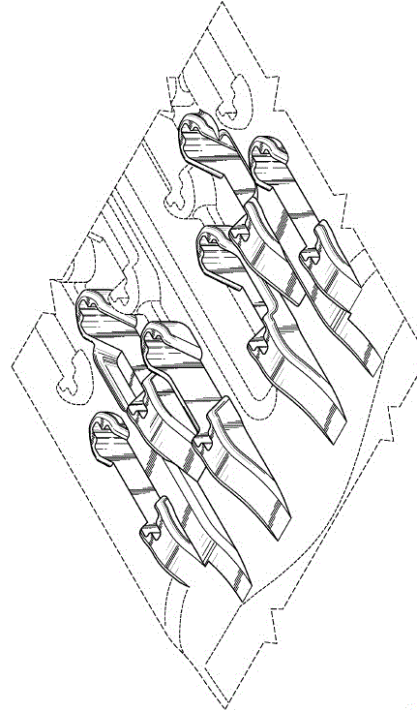


Figure 1
Three-dimensional view

21: A2023/01212 22: 2023-11-09 23:
43: 2023-05-19
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/892,596 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge has irregularly-shaped elongate cartridge bodies. Each cartridge body defines a central cavity. Each central cavity is elongate and rectangular with a recess at each of the top and bottom ends thereof. Each body has a sloped front end and a rounded rear end. The cartridge bodies are arranged in two groups of three, with the groups being side-by-side and mirrored. Each group includes laterally aligned inner and outer bodies with an intermediate body being longitudinally offset by half. Each outer body lacks raised sides. Each intermediate body has a recessed outer side. Each inner body has a raised outer side.

21: A2023/01213 22: 2023-11-09 23:
43: 2023-05-19
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/892,596 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge has irregularly-shaped elongate cartridge bodies. Each cartridge body defines a central cavity. Each central cavity is elongate and rectangular with a recess at each of the top and bottom ends thereof. Each body has a rounded front end and a rounded rear end. The cartridge bodies are arranged in rows of three. Each rows includes laterally aligned inner and outer bodies with an intermediate body being longitudinally offset by half. Each outer body lacks raised sides. Each intermediate body has a recessed outer side. Each inner body has a raised outer side.

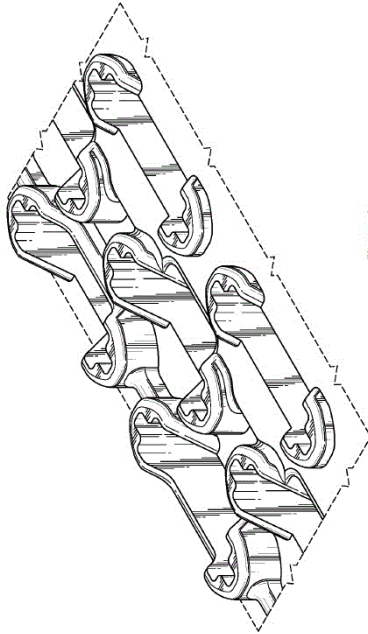


Figure 1
Three-dimensional view

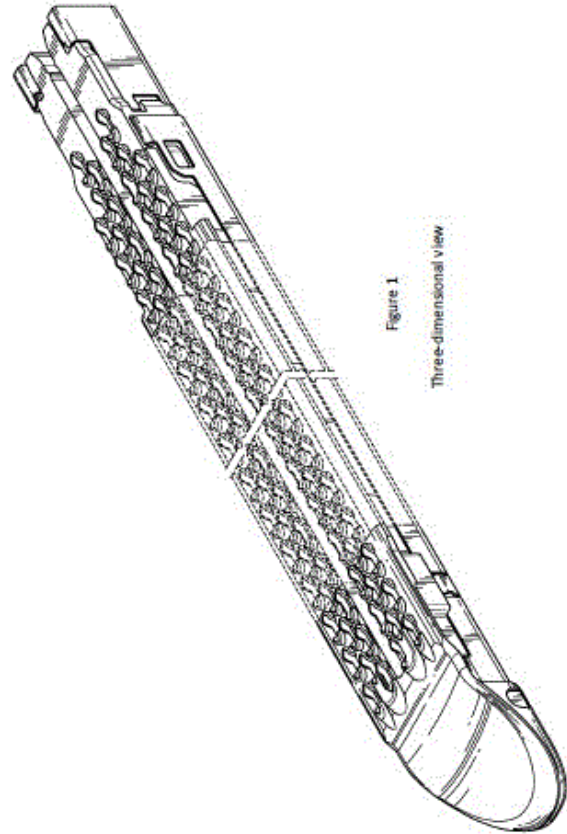


Figure 1
Three-dimensional view

21: A2023/01214 22: 2023-11-09 23:
43: 2023-05-19
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/892,597 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge comprises an elongate body having a generally rectangular cross-section and has a curved tip which inclines downwardly. The cartridge further has a top surface and a bottom surface and two sides. At the top surface, the cartridge has a pair of transversely spaced elongate tracks separated by a central elongate channel. The sides of the cartridge body are generally rectangular and join the rounded tip. The cartridge body has interconnections on each side between top and bottom portions. The bottom surface is flat with the central channel separating it into two side-by-side halves. The cartridge is of indefinite length.

21: A2023/01215 22: 2023-11-09 23:
43: 2023-05-19
52: Class 24 24: Part A
71: Cilag GmbH International
33: US 31: 29/892,597 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge has imbedded irregularly-shaped elongated cartridge bodies. Each cartridge body describes a central cavity. Each central cavity is elongated and rectangular with a recess at each of the top and bottom ends thereof. Each pair of the body has a sloped front end and a rounded rear end. The cartridge bodies are arranged in two groups of three rows, with the groups being side-by-side and mirrored. Each group has an outer body which has a sloped ramp at its front. Each group has a middle and inner front body which are connected by a common sloped ramp at their front. An inner rear body is connected to the inner front body by a ridge.

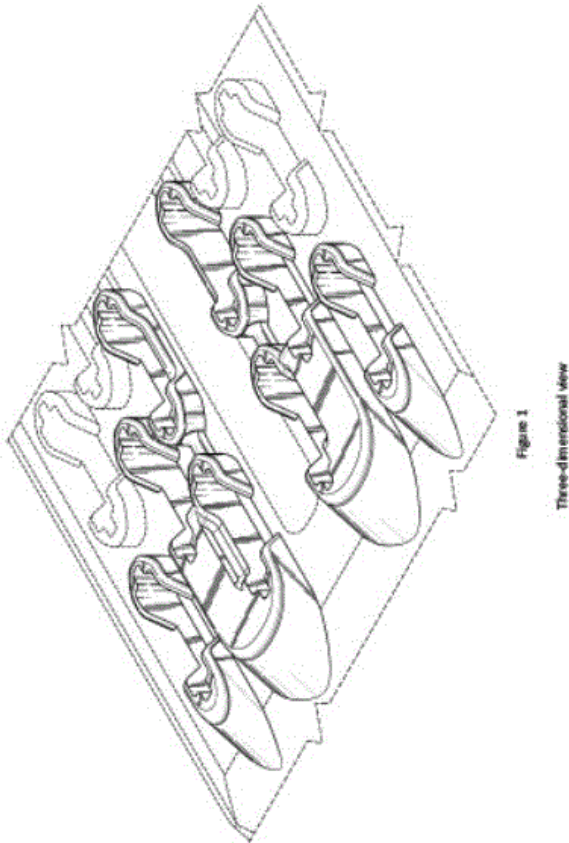


Figure 1
Three-dimensional view

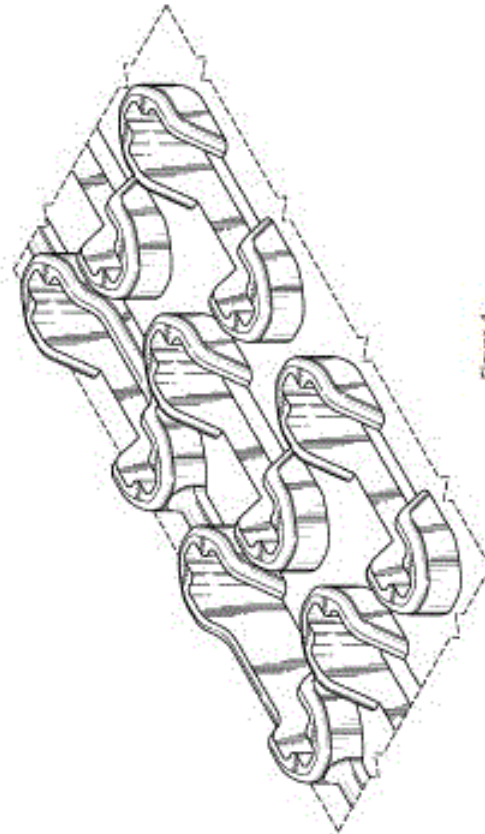


Figure 1
Three-dimensional view

21: A2023/01216 22: 2023-11-09 23:
43: 2023-05-19

52: Class 24 24: Part A

71: Cilag GmbH International

33: US 31: 29/892,597 32: 2023-05-19

54: SURGICAL STAPLER CARTRIDGES

57: The design is for a surgical stapler cartridge. The cartridge has irregularly-shaped elongate cartridge bodies. Each cartridge body defines a central cavity. Each central cavity is elongate and rectangular with a recess at each of the top and bottom ends thereof. Each body has a rounded front end and a rounded rear end. The cartridge bodies are arranged in three rows. Each row includes laterally aligned inner and outer bodies with an intermediate body being longitudinally offset by half. The outer and intermediate bodies lack raised sides. Each inner body has a raised outer side and adjacent inner bodies are connected to each other by a longitudinal ridge.

21: A2024/00044 22: 2024-01-15 23:

43: 2024-11-08

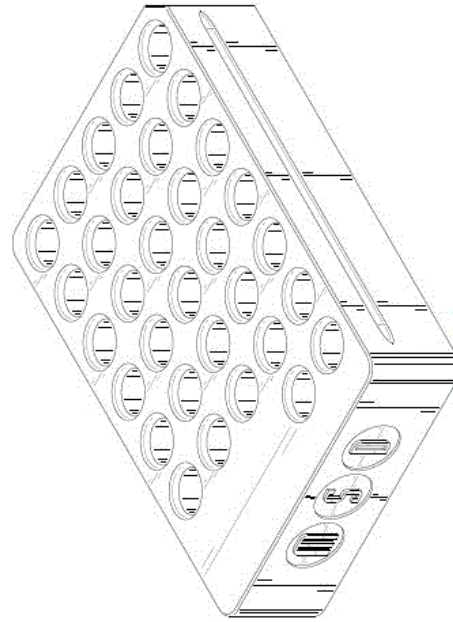
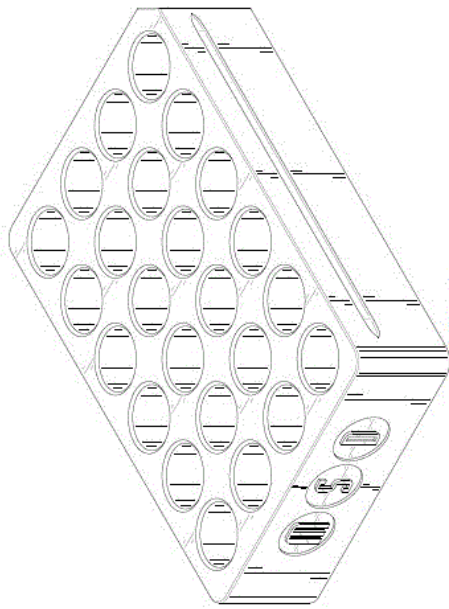
52: Class 24 24: Part A

71: MESO SCALE TECHNOLOGIES, LLC.

33: US 31: 29/897,297 32: 2023-07-13

54: VIAL AND TUBE RACK

57: The design is to be applied to a vial and tube rack. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



21: A2024/00045 22: 2024-01-15 23:
43: 2024-11-08
52: Class 24 24: Part A
71: MESO SCALE TECHNOLOGIES, LLC.
33: US 31: 29/897,300 32: 2023-07-13

54: VIAL AND TUBE RACK

57: The design is to be applied to a vial and tube rack. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

21: A2024/00051 22: 2024-01-16 23:
43: 2023-07-17
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/880,072 32: 2023-07-17

54: FOOTWEAR

57: The design is for footwear. The footwear features a sole with segments extending from the medial side to the lateral side. Five longitudinally spaced circular features are also defined on the sole between the segments. The circular features have a concentric inner ring and the centre circular feature has a series of concentric rings radiating outwardly.

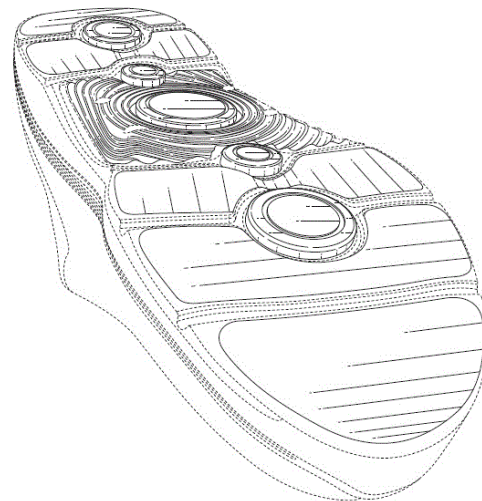


Figure 8

Another three-dimensional view

21: A2024/00174 22: 2024-02-09 23:
43: 2023-08-11
52: Class 9 24: Part A
71: UPL Mauritius Limited
33: IN 31: 392569-001 32: 2023-08-11

54: CONTAINERS

57: The design is for a container, comprising an elongate body, which is circular in transverse cross-section and a cap dismountably mounted on the body. The body includes a side extending upwardly from a circular base. The side includes a lower portion, a waisted intermediate portion, and an upper or shoulder portion. The diameter of the lower portion increases away from the base such that the lower portion is slightly concave when viewed from the side. The diameter of the upper portion increases downwardly towards the intermediate portion. The cap has a circular top and a skirt depending therefrom. An annular shoulder is provided at a lower portion of the skirt.



Figure 1

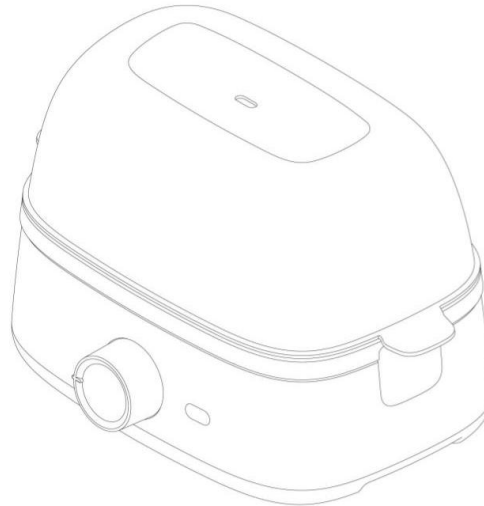
Three-dimensional view

21: A2024/00222 22: 2024-02-23 23:
43: 2024-09-05
52: Class 07 24: Part A

71: Versuni Holding B.V.
33: EU 31: 015033226-0001 32: 2023-09-06

54: EGG BOILER

57: The design is for an egg boiler substantially as shown in the representations.



21: A2024/00257 22: 2024-03-08 23:
43: 2023-09-11
52: Class 8 24: Part A
71: Lycopodium Minerals Pty Ltd
33: AU 31: 202316052 32: 2023-09-11

54: FASTENERS

57: The design is for a fastener. The features of the design are illustrated in the overall appearance of the fastener. It is this overall appearance that is particular to the claimed design. The fastener is in the form of a one-piece fastener that has a cylindrical head portion with a conical part tapering toward an attachment portion. The head portion includes three apertures on a flat upper face thereof which are configured to receive a specialized tool to be able to turn the fastener. The conical portion defines three radially spaced apertures.

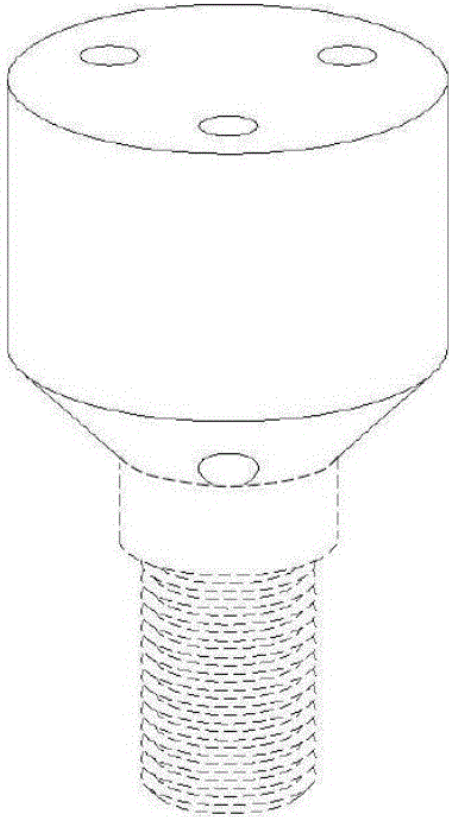
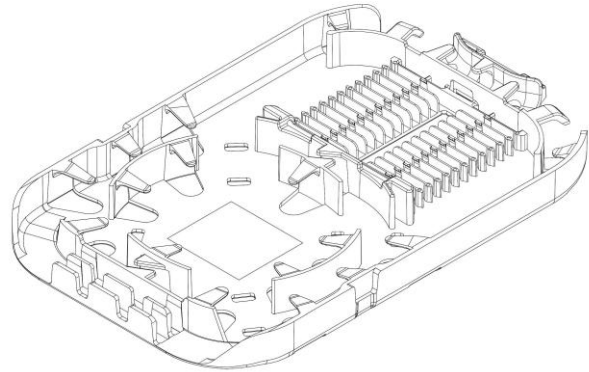


Figure 1

Three-dimensional view



21: A2024/00274 22: 2024-03-18 23:
43: 2024-10-11

52: Class 13 24: Part A

71: PIMMS Group (Pty) Ltd

54: SPLICE BAY CASSETTE

57: The features of the design for which protection is claimed include the shape and/or configuration of the SPLICE BAY CASSETTE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. The SPLICE BAY CASSETTE may be installed in a fibre management tray and is movable from an upright installation position to an installed position.

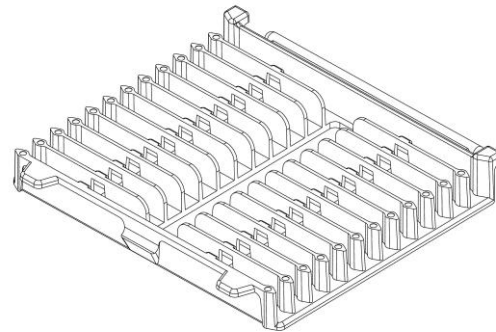
21: A2024/00272 22: 2024-03-18 23:
43: 2024-10-11

52: Class 13 24: Part A

71: PIMMS Group (Pty) Ltd

54: FIBRE MANAGEMENT TRAY

57: The features of the design for which protection is claimed include the shape and/or configuration of the FIBRE MANAGEMENT TRAY 'A' substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. The FIBRE MANAGEMENT TRAY 'A' may have a splice bay cassette 'B' installed thereon.



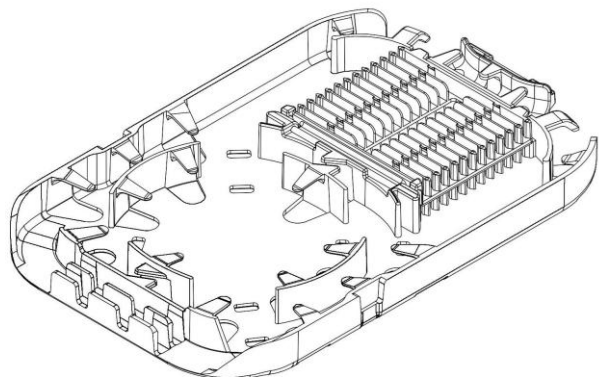
21: A2024/00276 22: 2024-03-18 23:
43: 2024-10-11

52: Class 13 24: Part A

71: PIMMS Group (Pty) Ltd

54: FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT

57: The features of the design for which protection is claimed include shape and/or configuration of the FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT substantially as illustrated in the accompanying representations.



54: TRACTOR FT7110-IIIA OPEN STATION PLATFORM

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 TRACTOR as shown in the accompanying representations.



21: A2024/00306 22: 2024-04-02 23:
43: 2023-10-03
52: Class 10 24: Part A
71: Gridspertise S.r.l.
33: HSIRID(IT) 31: DM/232210 32: 2023-10-03

54: METERS

57: The design is for a meter. The meter has a rectangular housing, and a front of the housing is divided into three sections. A top section is about a quarter of a height of the housing and is in the form of an access flap. A middle section is about half the height of the housing and defines an upper display and a prominent circular button below the display. A bottom section is about a quarter of the height of the housing and has a removeable cover. A bottom of the housing defines spaced apart electrical and electronic ports. The cover defines a small hinged access flap on one side.

21: A2024/00309 22: 2024-04-02 23:
43: 2024-04-02
52: Class 9 24: Part A
71: Rocbolt Technologies (Pty) Ltd.

54: A Box and a Blank for Making the Box

57: The design is for a box and a blank for making the box. The box is assembled from the blank. The box is rectangular and elongate, but of indeterminate width. The box is for containing resin capsules for use in mining.

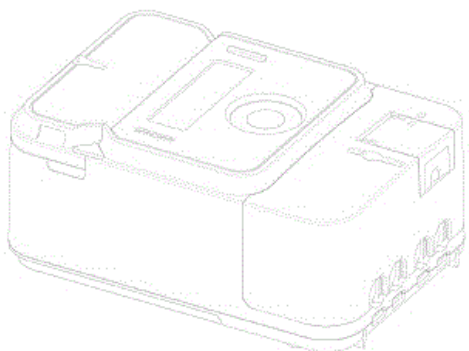
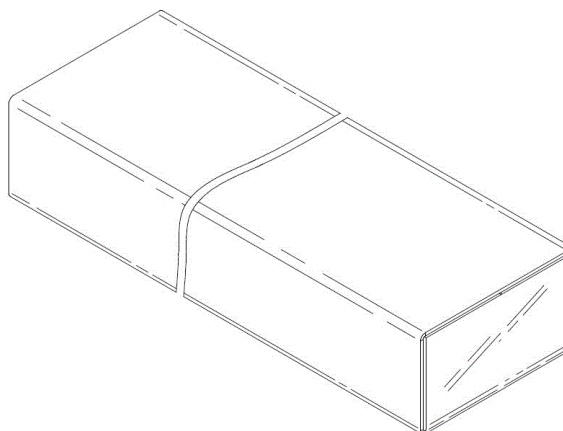


Figure 1
Three-dimensional view



Three-dimensional view of assembled box

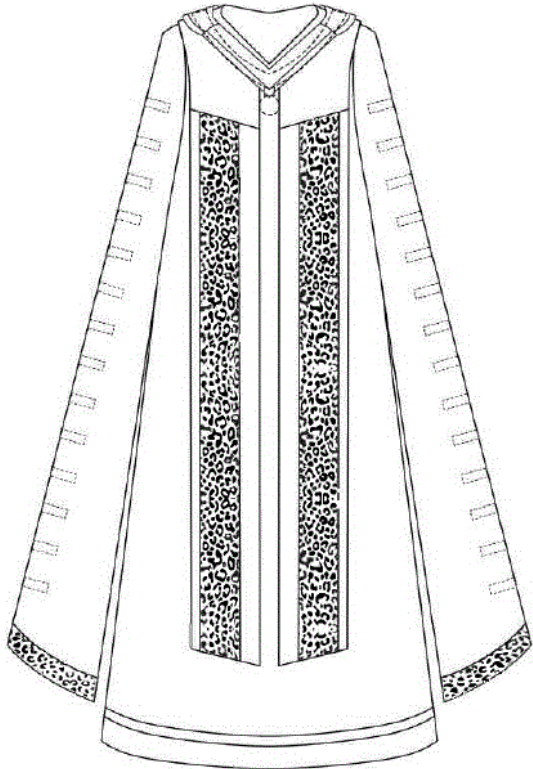
21: A2024/00307 22: 2024-04-02 23:
43: 2024-11-08
52: Class 12 24: Part A
71: Escorts Kubota Limited

21: A2024/00310 22: 2024-04-02 23:
43: 2024-04-02

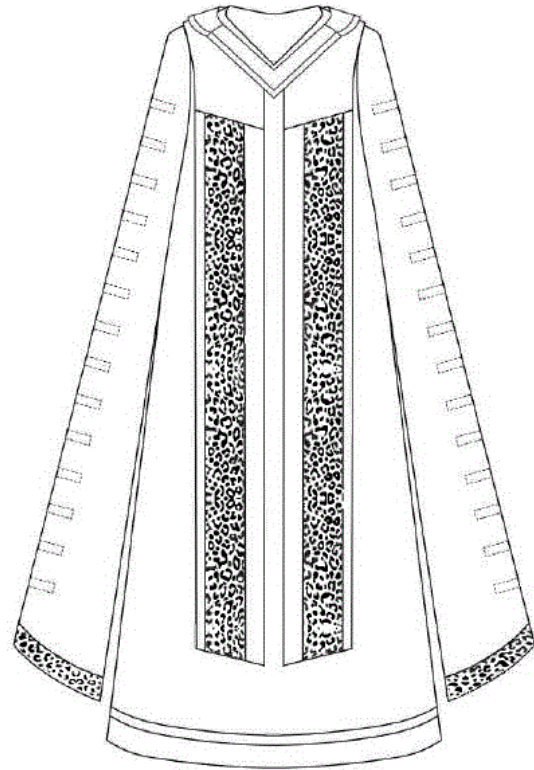
52: Class 2 24: Part A
 71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

21: A2024/00311 22: 2024-04-02 23:
 43: 2024-04-02

52: Class 2 24: Part A
 71: Tshwane University of Technology

54: ACADEMIC GOWNS

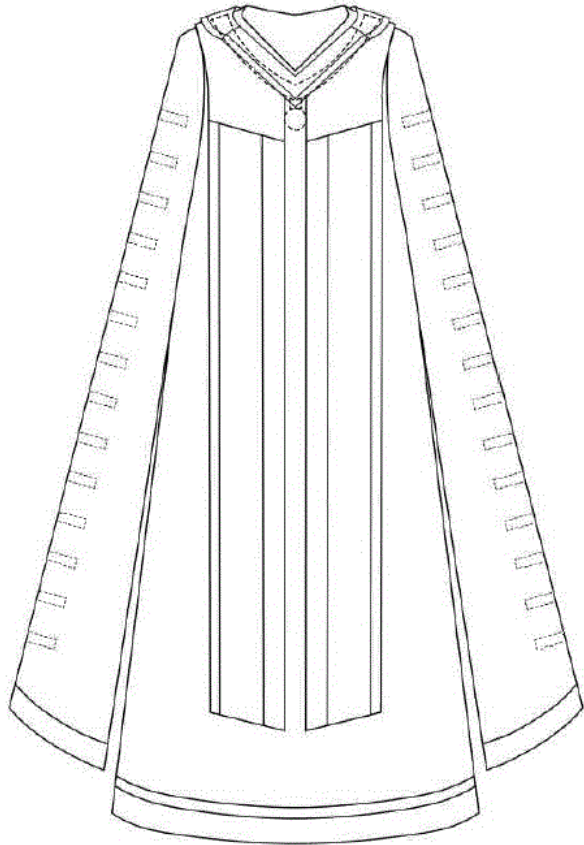
57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

21: A2024/00312 22: 2024-04-02 23:
 43: 2024-04-02

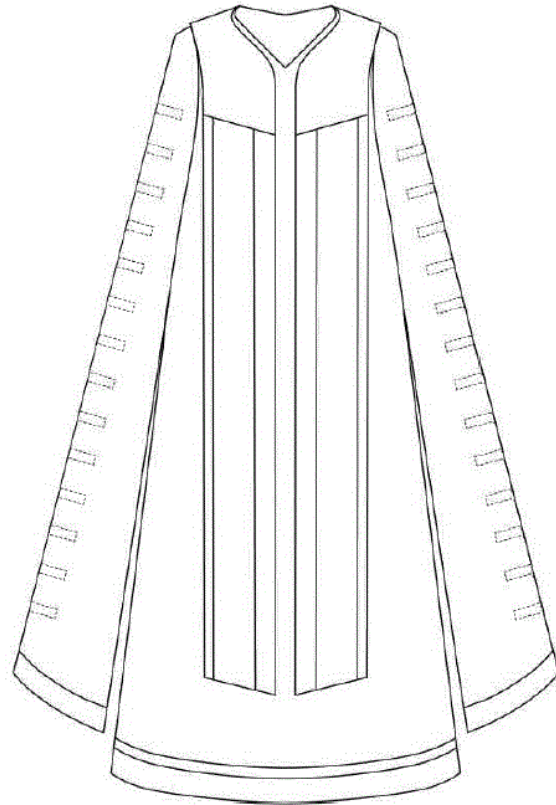
52: Class 2 24: Part A
 71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

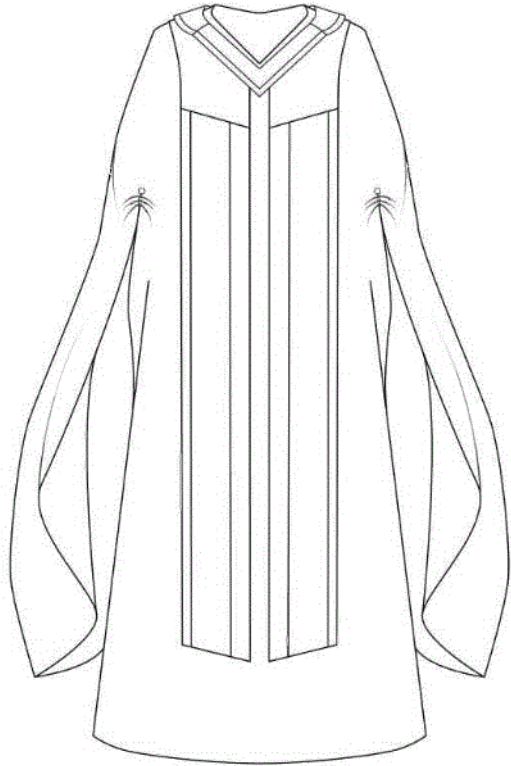
21: A2024/00313 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology
54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

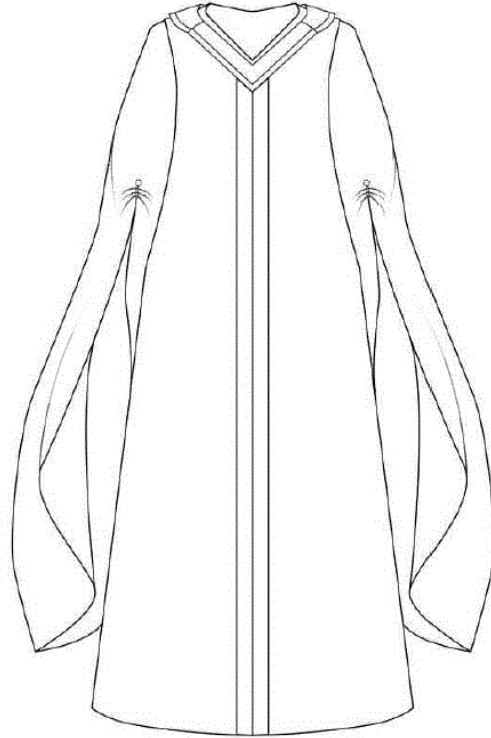
21: A2024/00314 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

21: A2024/00315 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

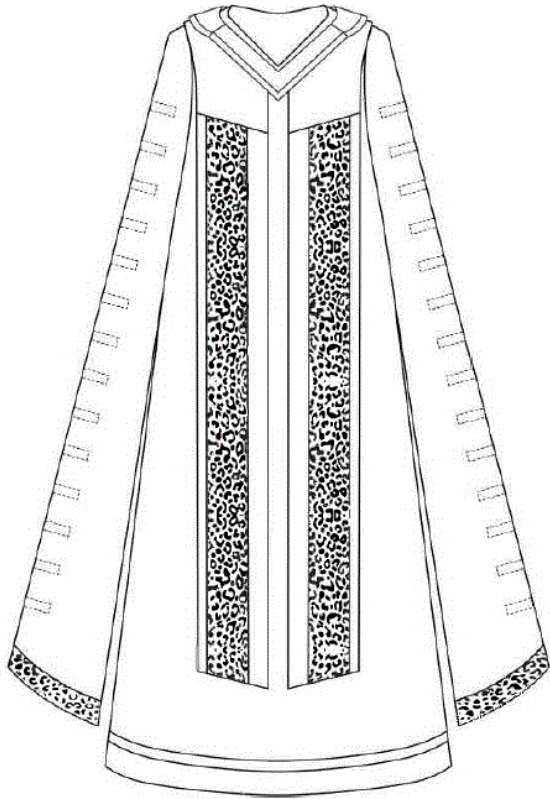
54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

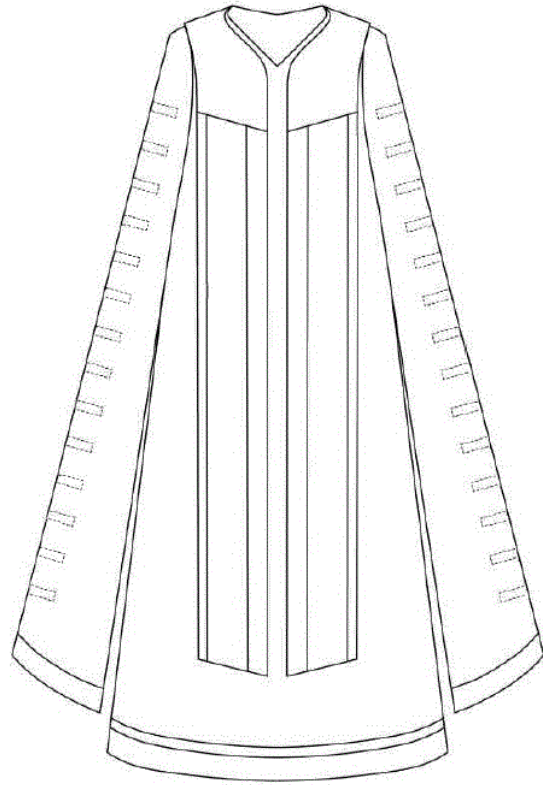
21: A2024/00316 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

21: A2024/00317 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

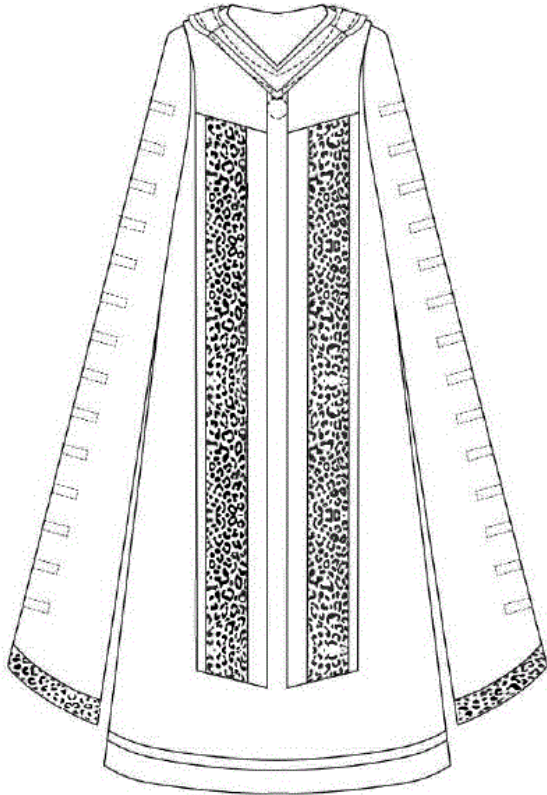
54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

21: A2024/00318 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

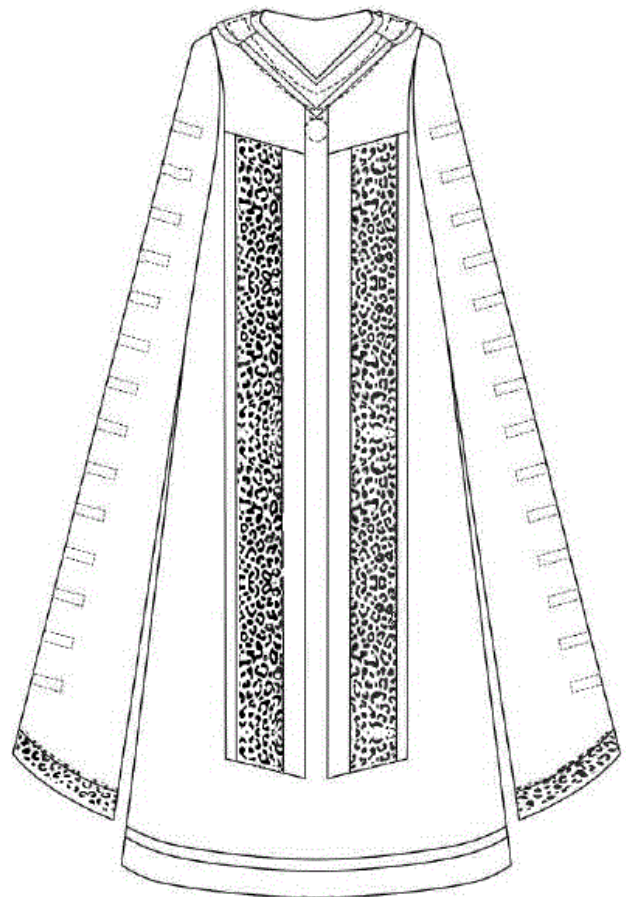


Front view

21: A2024/00319 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

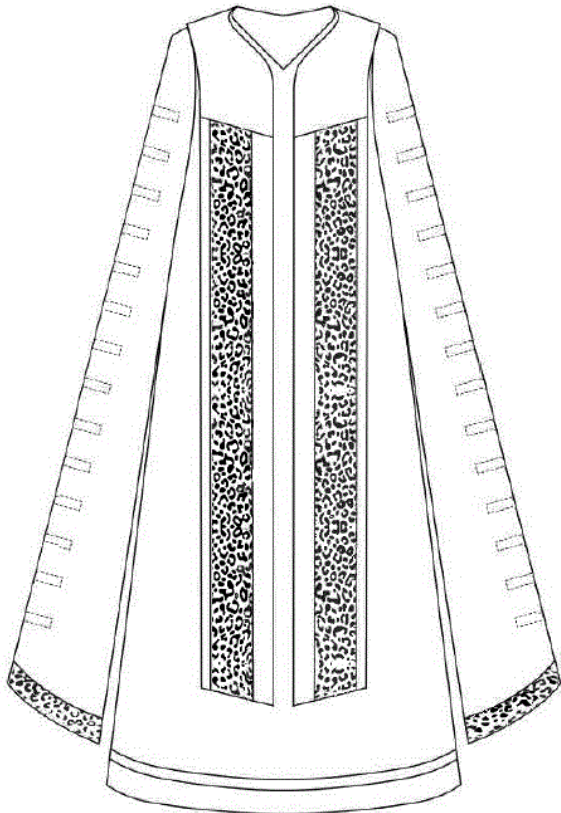


Front view

21: A2024/00320 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view

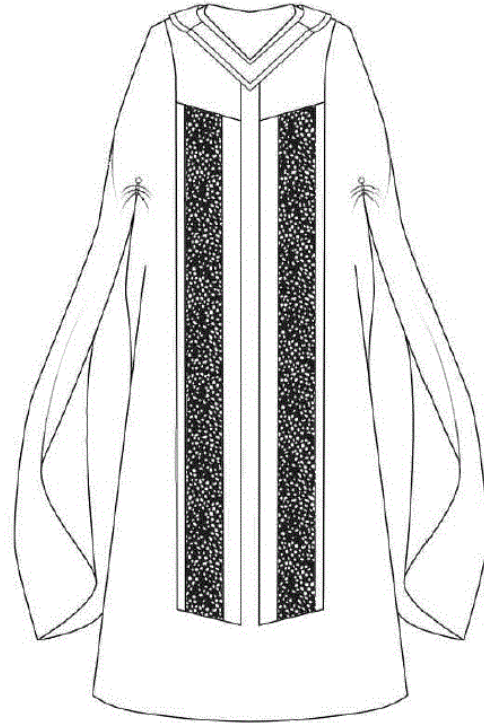
21: A2024/00321 22: 2024-04-02 23:
43: 2024-04-02

52: Class 2 24: Part A

71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view

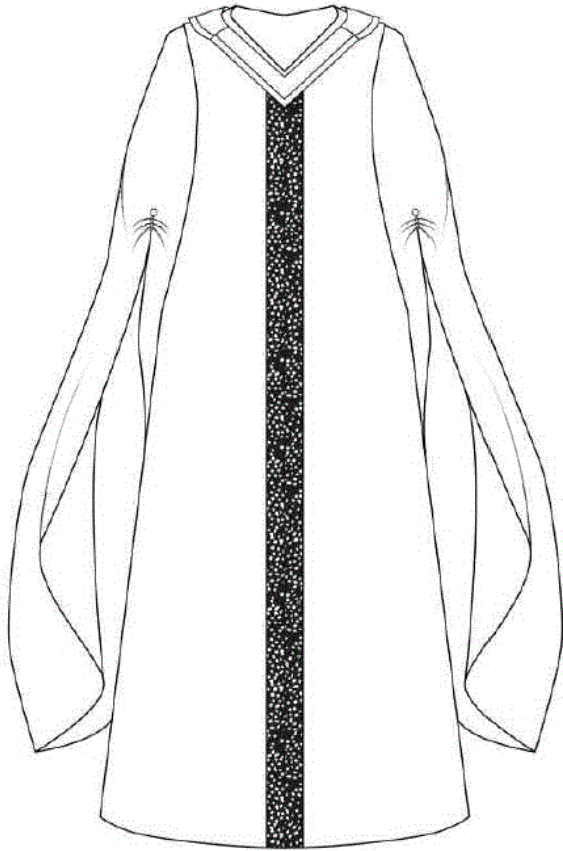
21: A2024/00322 22: 2024-04-02 23:
43: 2024-04-02

52: Class 2 24: Part A

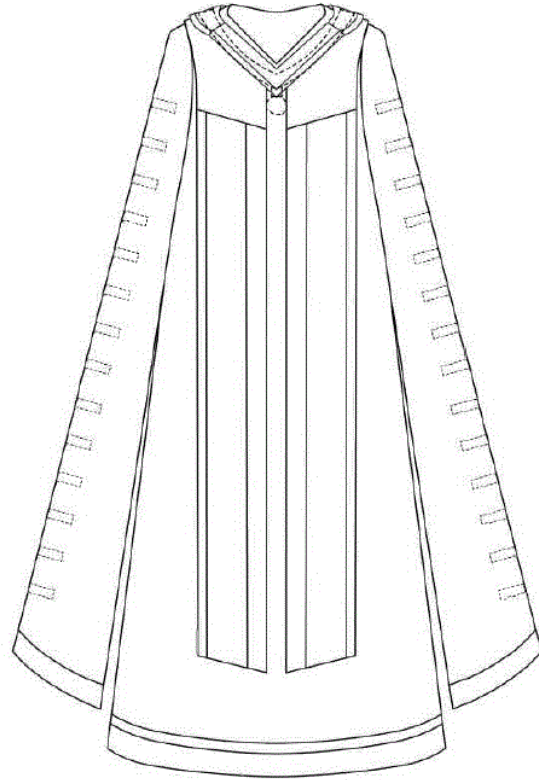
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

21: A2024/00323 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

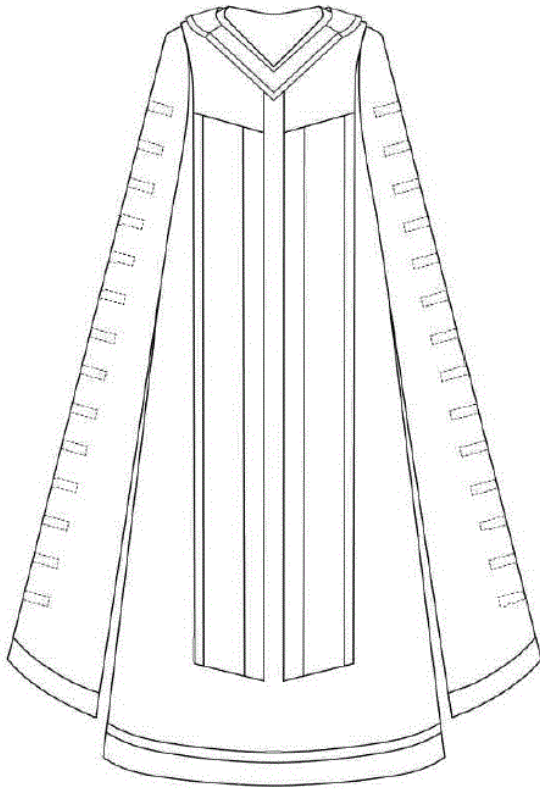
54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

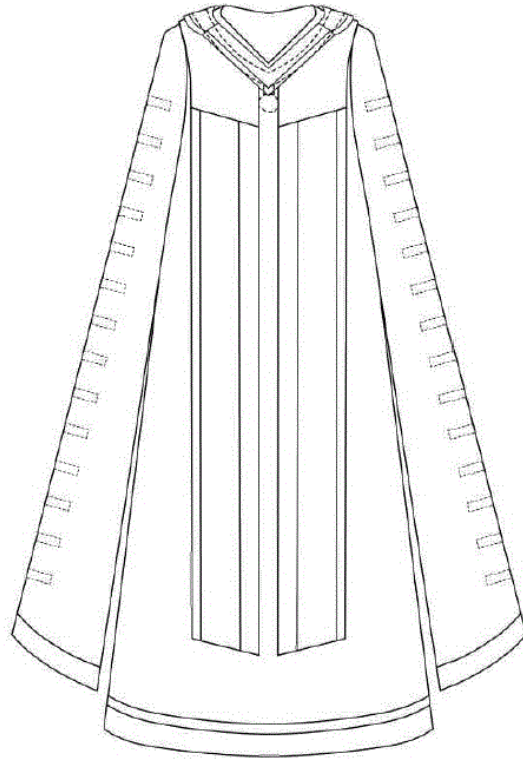
21: A2024/00324 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.



Front view



Front view

21: A2024/00325 22: 2024-04-02 23:
43: 2024-04-02
52: Class 2 24: Part A
71: Tshwane University of Technology

54: ACADEMIC GOWNS

57: The design is for an academic gown. The features of the design are illustrated in the overall appearance of the academic gown. It is this overall appearance that is particular to the claimed design.

21: A2024/00326 22: 2024-04-03 23:
43: 2023-10-04
52: Class 10 24: Part A
71: QLOCKTWO License GmbH
33: EM(DE) 31: 015036124-0004 32: 2023-10-04

54: ASTRONOMICAL CLOCKS

57: The design is for a display element of an astronomical clock. The display element has a circular shape with fourteen upright fixed-width strips arranged in parallel, and which are evenly spaced apart. Each of the strips may be in a light or dark condition, collectively to indicate an astronomical condition.

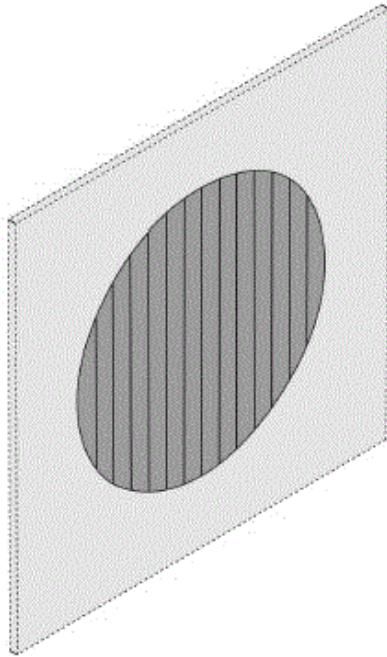


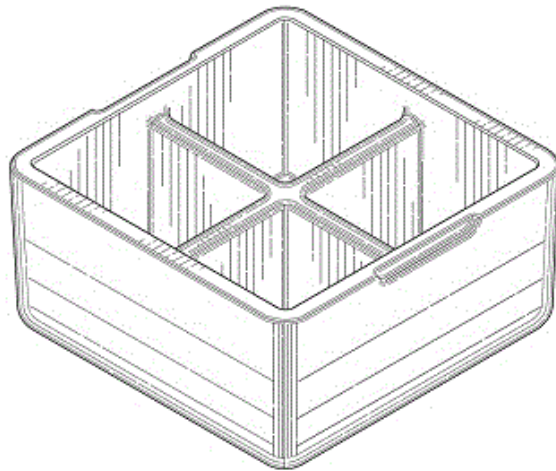
Figure 1

Three-dimensional view

21: A2024/00331 22: 2024-04-04 23:
43: 2024-11-08
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/904,455 32: 2023-10-06

54: Ice Tray

57: The design relates to an ice tray. The features of the design are those of shape and/or configuration.

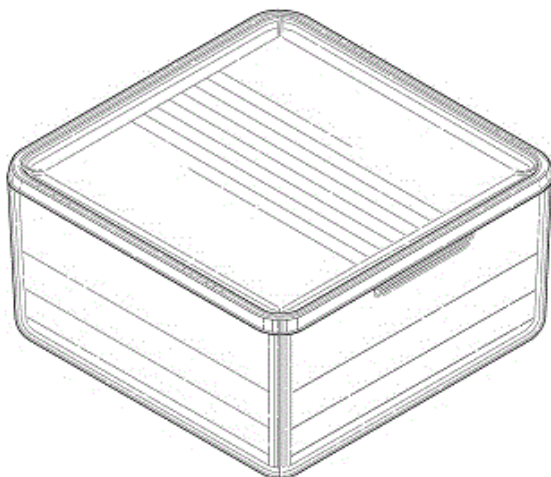


TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00330 22: 2024-04-04 23:
43: 2024-11-08
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/904,455 32: 2023-10-06

54: Ice Tray

57: The design relates to an ice tray. The features of the design are those of shape and/or configuration.



TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00342 22: 2024-04-05 23:
43: 2023-10-05
52: Class 10 24: Part A
71: R.J. Goldspink Pty Limited
33: AU 31: 202316706 32: 2023-10-05

54: MOVEMENT MONITORS

57: The design is for a movement monitor having a body that has substantially flat front and rear faces, and vertical side walls extending between upper and lower outwardly curved walls thereof. A vertically arranged measure strip is mounted on a vertically arranged rectangular member. A pair of pointers pointing inwardly is provided at the centre of the rectangular member to indicate a measurement on the measure strip. The body has a top pair of large, inverted triangular-shaped spaces with curved upper edges provided on either upper side of the rectangular member. The body also has a bottom pair of smaller, triangular shaped spaces provided on either lower side of the rectangular member. Either the upper pair of spaces or the lower pair of spaces is occupied by flag members, depending on activation of the movement monitor.

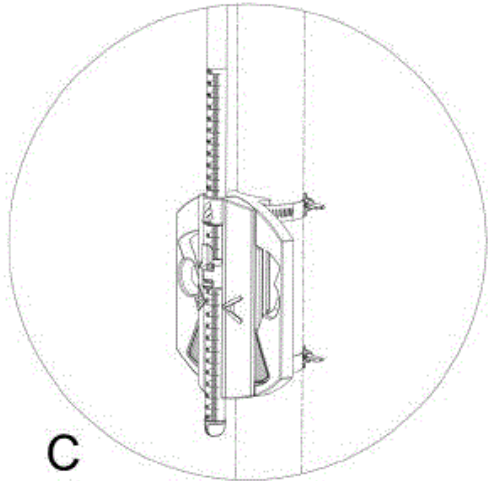
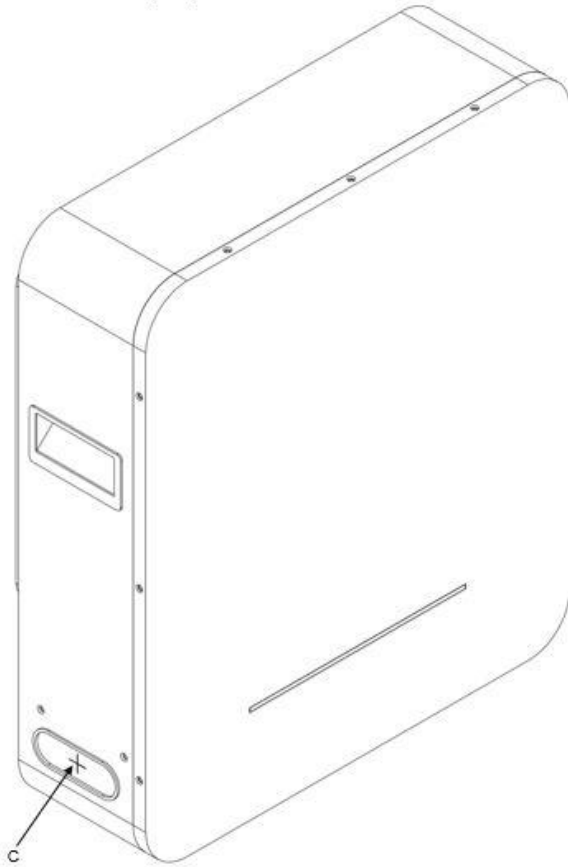


Figure 2
Enlarged three-dimensional view of section C



21: A2024/00347 22: 2024-04-09 23:
43: 2024-11-08

52: Class 13 24: Part A

71: HUBBLE ENERGY (PTY) LTD

54: BATTERY ENCLOSURE

57: The design is applied to a battery enclosure. 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 battery enclosure, substantially as illustrated in the accompanying representation.

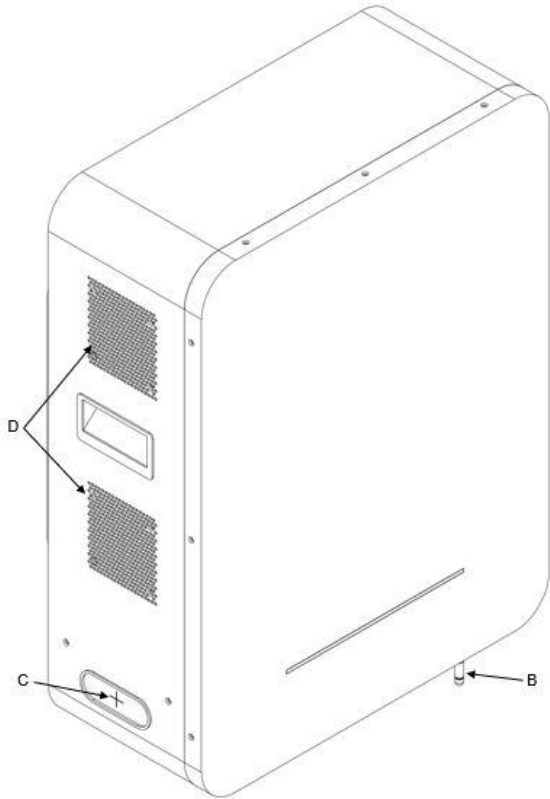
21: A2024/00349 22: 2024-04-09 23:
43: 2024-11-08

52: Class 13 24: Part A

71: HUBBLE ENERGY (PTY) LTD

54: BATTERY ENCLOSURE

57: The design is applied to a battery enclosure. 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 battery enclosure, substantially as illustrated in the accompanying representation.



21: A2024/00350 22: 2024-04-10 23:
43: 2024-11-12
52: Class 12 24: Part A
71: HYUNDAI MOTOR COMPANY, KIA
CORPORATION
33: KR 31: 30-2023-0040420 32: 2023-10-17

54: AUTOMOBILE

57: The representation shows a front perspective view of an automobile in accordance with the present design showing the overall appearance thereof.

Fig. 1



21: A2024/00358 22: 2024-04-11 23:
43: 2024-11-08
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/904,910 32: 2023-10-13

54: Cup

57: The design relates to a cup. The features of the design are those of shape and/or configuration.



TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00359 22: 2024-04-11 23:
43: 2024-11-08
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/904,910 32: 2023-10-13

54: Cup

57: The design relates to a cup. The features of the design are those of shape and/or configuration.



TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00360 22: 2024-04-11 23:
43: 2024-11-08
52: Class 7. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/904,934 32: 2023-10-13

54: Cup

57: The design relates to a cup. The features of the design are those of shape and/or configuration and/or ornamentation.

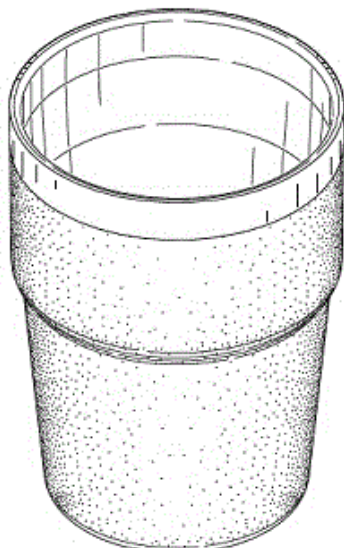


TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00361 22: 2024-04-11 23: 43: 2024-11-08
 52: Class 7. 24: Part A
 71: YETI COOLERS, LLC
 33: US 31: 29/904,934 32: 2023-10-13

54: Cup

57: The design relates to a cup. The features of the design are those of shape and/or configuration and/or ornamentation.

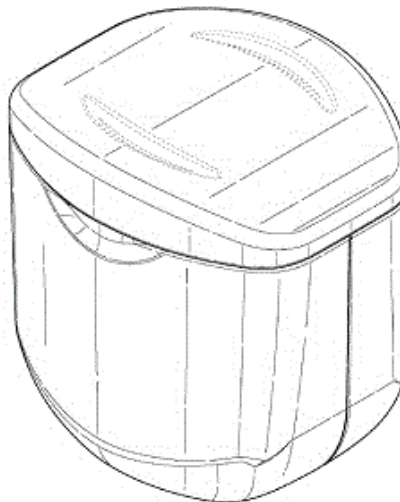


TOP FRONT RIGHT PERSPECTIVE VIEW

21: A2024/00362 22: 2024-04-11 23: 43: 2024-11-08
 52: Class 9. 24: Part A
 71: UNILEVER GLOBAL IP LIMITED
 33: US 31: 29/904,924 32: 2023-10-13

54: Jar

57: The design relates to a jar. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2024/00363 22: 2024-04-12 23: 43: 2023-10-13
 52: Class 12 24: Part A
 71: Honda Motor Co., Ltd.
 33: JP 31: 2023-021167 32: 2023-10-13

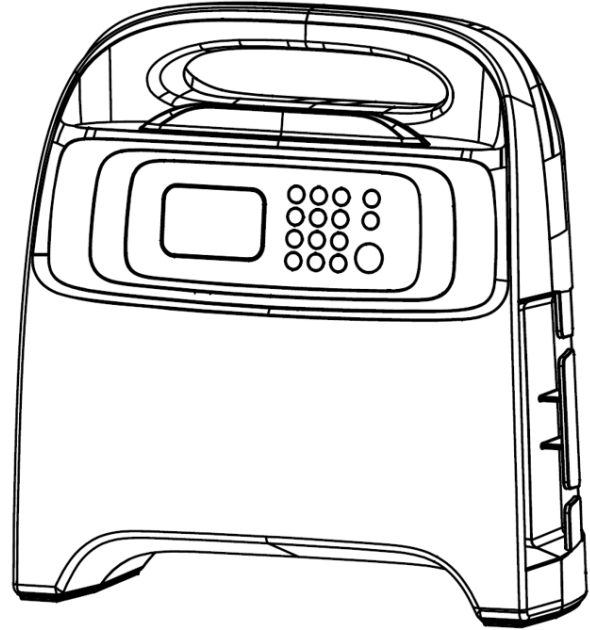
54: MOTORCYCLES

57: The design is for a motorcycle, particularly an offroad motorcycle. The motorcycle has a front fender arranged a considerable distance above a front wheel, and it has a generally crescent shape with a flecion near a front end. A front-side cowl has a combined shape of a small triangle connecting to an upper half of one oblique side of an inverted triangle, and a vertically elongated right-angled trapezium recess is arranged near a centre of the inverted triangle. A seat extends horizontally from a rear end of the front-side cowl towards a rear of the motorcycle; the seat is thin, gradually tapering toward the rear, and extends slightly diagonally upward at the forefront where a slanted rear edge of the front-side cowl adjoins. A rear fender has a sharp, needle-like shape and projects horizontally rearward from the rear end of the seat.



Figure 1

Three-dimensional view



21: A2024/00365 22: 2024-04-15 23:
43: 2024-11-08

52: Class 13 24: Part A

71: GREENLIGHT PLANET INCORPORATED

54: AN INVERTER

57: The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation, substantially as shown in the representations, and irrespective of the features shown in broken lines which are disclaimed.

21: A2024/00368 22: 2024-04-16 23:
43: 2024-11-08

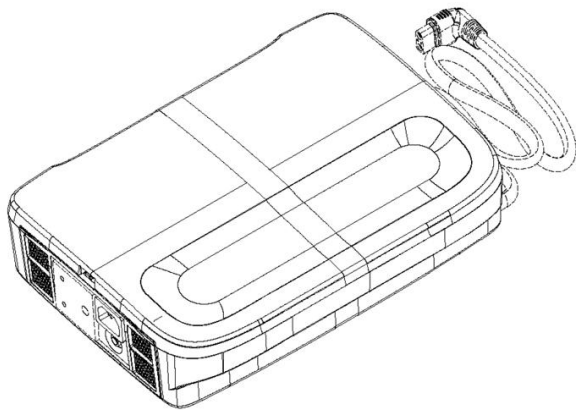
52: Class 09 24: Part A

71: HALEWOOD SALES LIMITED

33: EU 31: 015037390-0001 32: 2023-10-17

54: BEVERAGE BOTTLES

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 bottle substantially as illustrated in the accompanying representations.



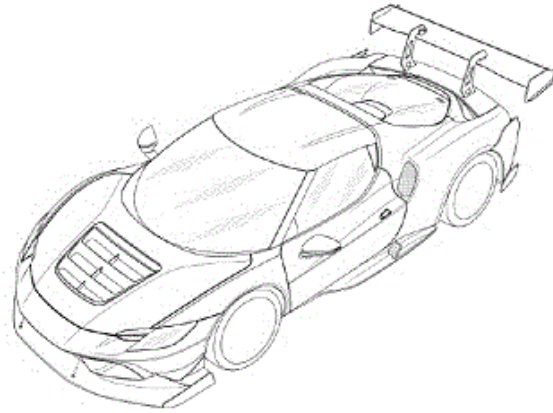
21: A2024/00366 22: 2024-04-15 23:
43: 2024-11-08

52: Class 13 24: Part A

71: GREENLIGHT PLANET INCORPORATED

54: A POWER CONTROL UNIT

57: The features of the design are those of pattern and/or shape and/or configuration and/or ornamentation, substantially as shown in the representations.

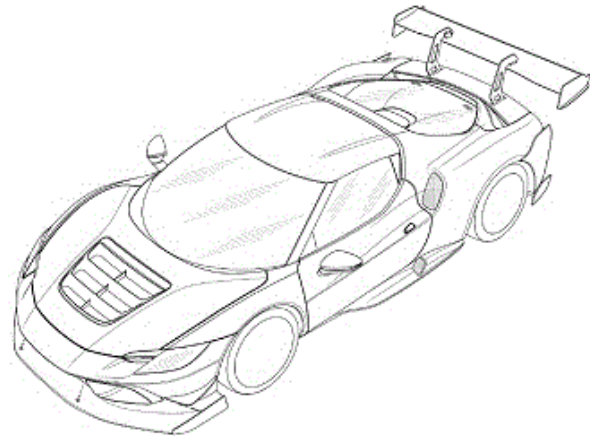


FRONT PERSPECTIVE VIEW

21: A2024/00375 22: 2024-04-17 23: 2023-10-19
 43: 2024-11-08
 52: Class 21. 24: Part A
 71: FERRARI S.P.A.
 33: IB 31: WIPO139771 32: 2023-10-18

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: A2024/00379 22: 2024-04-19 23:
 43: 2024-11-08
 52: Class 12. 24: Part A
 71: OMNI UNITED (S) PTE LTD
 33: US 31: 29/928,638 32: 2024-02-14

54: Tire Sidewall

57: The design relates to a tire sidewall. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

21: A2024/00374 22: 2024-04-17 23: 2023-10-19
 43: 2024-11-08
 52: Class 12. 24: Part A
 71: FERRARI S.P.A.
 33: IB 31: WIPO139761 32: 2023-10-18

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.

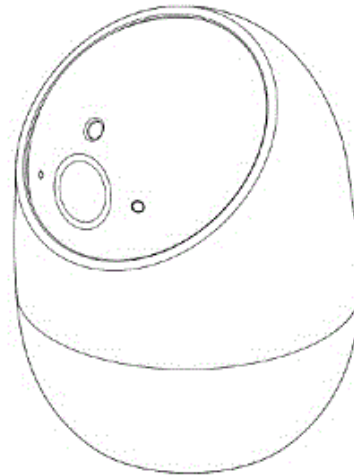


FRONT VIEW

21: A2024/00388 22: 2024-04-24 23:
43: 2024-11-08
52: Class 16. 24: Part A
71: HANGZHOU EZVIZ SOFTWARE CO., LTD.
33: CN 31: 202330777721.3 32: 2023-11-27

54: Camera

57: The design relates to a camera. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT, TOP AND RIGHT SIDE PERSPECTIVE VIEW

21: A2024/00384 22: 2024-04-22 23:
43: 2024-11-08
52: Class 9 24: Part A
71: ZYDUS LIFESCIENCES LIMITED
33: IN 31: 398855-001 32: 2023-10-31

54: FLIP TOP CAP WITH STORAGE

57: The design is to be applied to a flip top cap with storage. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations.

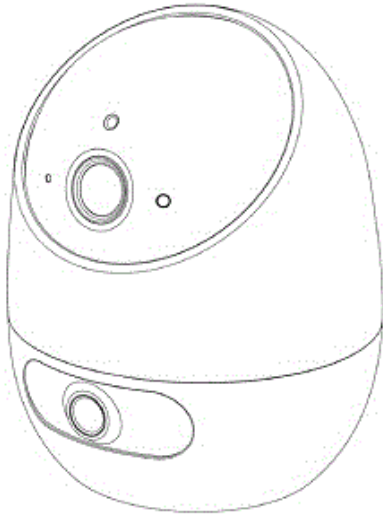


SIDE PERSPECTIVE VIEW

21: A2024/00389 22: 2024-04-24 23:
43: 2024-11-08
52: Class 16. 24: Part A
71: HANGZHOU EZVIZ SOFTWARE CO., LTD.
33: CN 31: 202330777721.3 32: 2023-11-27

54: Camera

57: The design relates to a camera. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT, TOP AND RIGHT SIDE PERSPECTIVE VIEW

21: A2024/00391 22: 2024-04-24 23:
 43: 2024-11-08
 52: Class 14 24: Part A
 71: 180 DEGREES MARKETING (PTY) LTD
54: SCREEN DISPLAY
 57: The design is applied to a screen display. 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 screen display, substantially as illustrated in the accompanying representation.

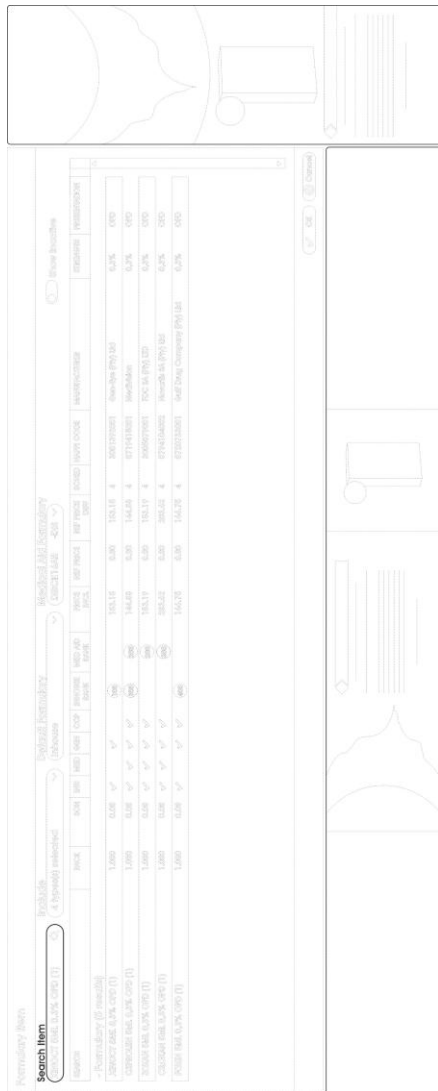
MARKET	CLASS	NO.	DATE	STATUS	APPLICANT	INVENTOR	ATTORNEY	AGENCY	STATUS	CLASS	NO.	DATE	STATUS	APPLICANT	INVENTOR	ATTORNEY	AGENCY	STATUS	
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000

21: A2024/00390 22: 2024-04-24 23:
 43: 2024-11-08
 52: Class 14 24: Part A
 71: 180 DEGREES MARKETING (PTY) LTD
54: SCREEN DISPLAY
 57: The design is applied to a screen display. 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 screen display, substantially as illustrated in the accompanying representation.

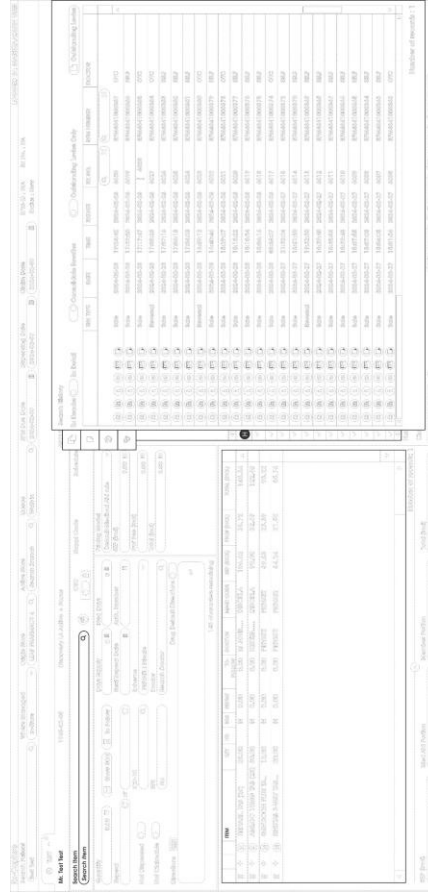
MARKET	CLASS	NO.	DATE	STATUS	APPLICANT	INVENTOR	ATTORNEY	AGENCY	STATUS	CLASS	NO.	DATE	STATUS	APPLICANT	INVENTOR	ATTORNEY	AGENCY	STATUS	
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED	SEARCHED	INDEXED	CLASSIFIED	FILED
1,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000

21: A2024/00392 22: 2024-04-24 23:
 43: 2024-11-08
 52: Class 14 24: Part A
 71: 180 DEGREES MARKETING (PTY) LTD
54: SCREEN DISPLAY
 57: The design is applied to a screen display. 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 screen display, substantially as illustrated in the accompanying representation.

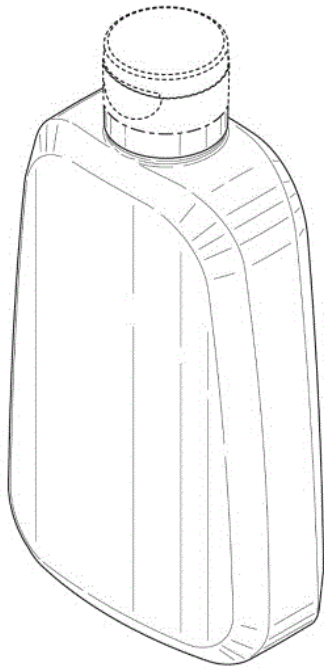


21: A2024/00393 22: 2024-04-24 23:
 43: 2024-11-08
 52: Class 14 24: Part A
 71: 180 DEGREES MARKETING (PTY) LTD
54: SET OF SCREEN DISPLAYS
 57: The design is applied to a set of screen displays. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the set of screen displays, substantially as illustrated in the accompanying representation.



21: A2024/00394 22: 2024-04-24 23:
 43: 2024-11-20
 52: Class 09 24: Part A
 71: GALDERMA HOLDING SA
 33: US 31: 29/930,456 32: 2024-02-29
 33: WO 31: 970231631 32: 2024-04-04
54: BOTTLE

57: The design is to be applied to a bottle. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design. The shading and/or hatching in the design drawings are intended to show the contours and/or relief of the designs only and are not intended to show surface ornamentation.



PERSPECTIVE VIEW



PERSPECTIVE VIEW

21: A2024/00395 22: 2024-04-24 23:
43: 2024-11-20
52: Class 09 24: Part A
71: GALDERMA HOLDING SA
33: US 31: 29/930,456 32: 2024-02-29
33: WO 31: 970231631 32: 2024-04-04

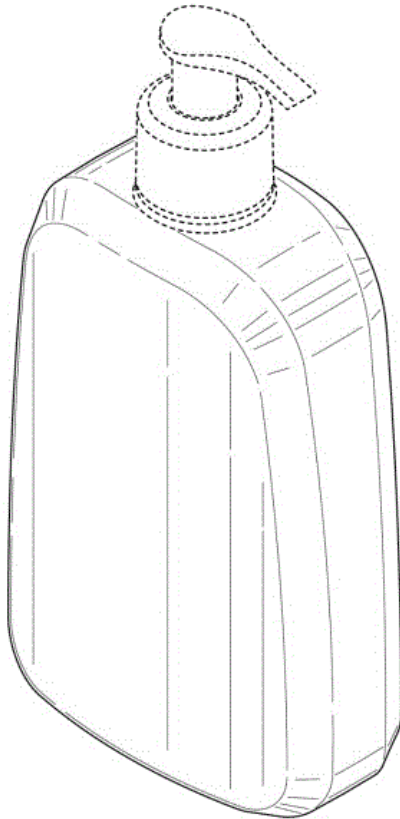
54: BOTTLE

57: The design is to be applied to a bottle. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design. The shading and/or hatching in the design drawings are intended to show the contours and/or relief of the designs only and are not intended to show surface ornamentation.

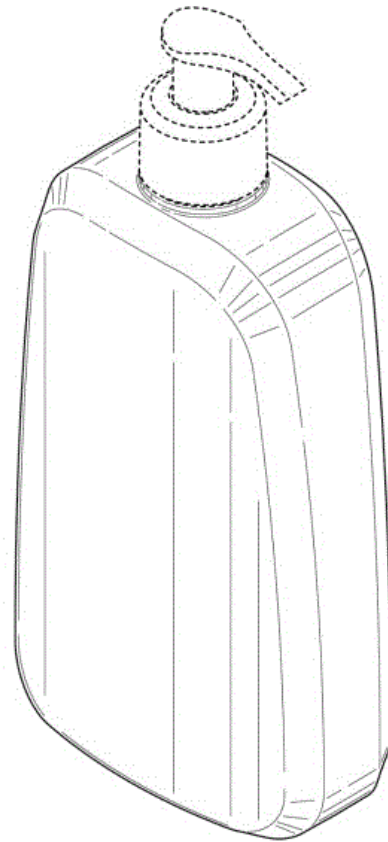
21: A2024/00396 22: 2024-04-24 23:
43: 2024-08-20
52: Class 09 24: Part A
71: GALDERMA HOLDING SA
33: US 31: 29/930,456 32: 2024-02-29
33: WO 31: 970231631 32: 2024-04-04

54: BOTTLE

57: The design is to be applied to a bottle. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design. The shading and/or hatching in the design drawings are intended to show the contours and/or relief of the designs only and are not intended to show surface ornamentation.



PERSPECTIVE VIEW



PERSPECTIVE VIEW

21: A2024/00397 22: 2024-04-24 23:
43: 2024-11-20
52: Class 09 24: Part A
71: GALDERMA HOLDING SA
33: US 31: 29/930,456 32: 2024-02-29
33: WO 31: 970231631 32: 2024-04-04

54: BOTTLE

57: The design is to be applied to a bottle. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design. The shading and/or hatching in the design drawings are intended to show the contours and/or relief of the designs only and are not intended to show surface ornamentation.

21: A2024/00398 22: 2024-04-25 23:
43: 2023-10-26
52: Class 10 24: Part A
71: SMEG S.p.A.
33: HSIRID 31: DM/233034 32: 2023-10-26

54: SCALES

57: The design is for a kitchen scale. The kitchen scale has an ovoid base with four circumferentially spaced feet. A top surface of the base defines a round recess for accommodating a bowl or other article to be weighed. A round gauge is supported at an elevated position by a support member. The support member rises upwardly from the base and tapers inwardly, having a flattened frusto-conical appearance. A lever terminating in a spherical knob is provided on one side of the support member.

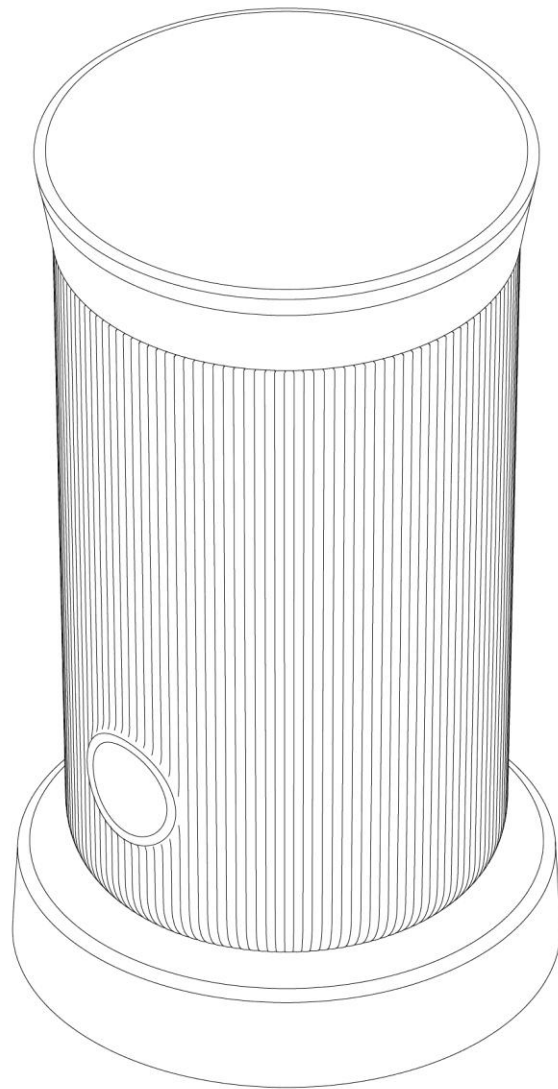


Figure 1
Three-dimensional view

21: A2024/00399 22: 2024-04-25 23:
43: 2024-11-08
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EP 31: 015039247 32: 2023-11-02

54: MILK FROTHER

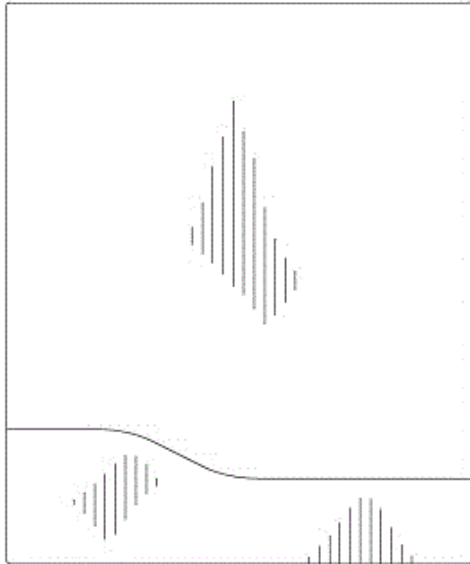
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a Milk frother as shown in the accompanying representations.



21: A2024/00402 22: 2024-04-26 23:
43: 2024-11-08
52: Class 6. 24: Part A
71: TEMPUR WORLD, LLC
33: US 31: 29/915,454 32: 2023-10-31

54: Mattress Cover

57: The design relates to a mattress cover. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

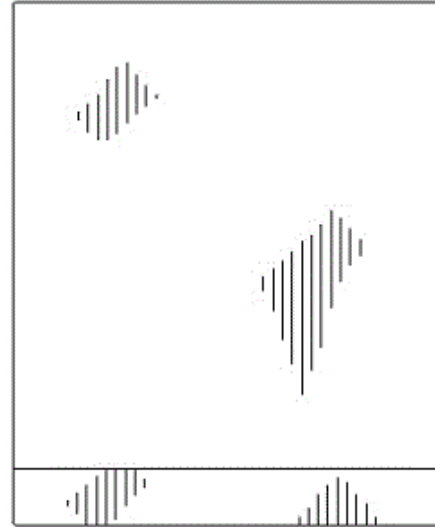


TOP PLAN VIEW

21: A2024/00403 22: 2024-04-26 23:
43: 2024-11-08
52: Class 6. 24: Part A
71: TEMPUR WORLD, LLC
33: US 31: 29/915,454 32: 2023-10-31

54: Mattress Cover

57: The design relates to a mattress cover. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

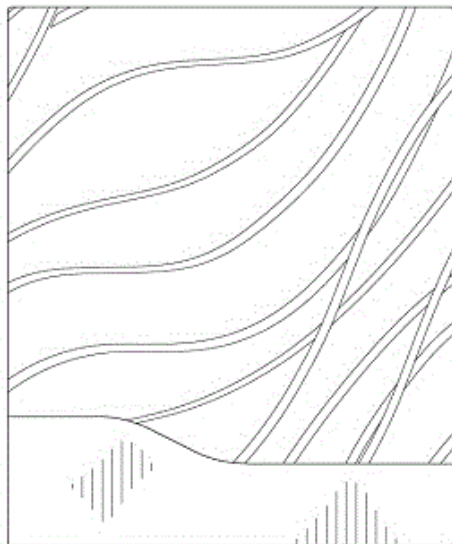


TOP PLAN VIEW

21: A2024/00407 22: 2024-04-30 23:
43: 2024-02-16
52: Class 12 24: Part A
71: Omni United (S) PTE Ltd.
33: US 31: 29/928,912 32: 2024-02-16

54: TYRES AND TYRE TREAD SIDEWALLS

57: The design is for tyres and tyre tread sidewalls. The tyre tread sidewall has a circumferential embellishment pattern having four arcuate parts consisting of two diametrically opposed shorter parts and two diametrically opposed longer parts. Each shorter part has a continuous arcuate outer side, a primarily continuous arcuate inner side having an inwardly projecting ridge at its clockwise side, and short lateral sides. Each longer part has a continuous arcuate outer side with a jagged and stepped inner side having irregularly positioned raised portions, further having short oblique lateral sides separating it from the shorter parts.



TOP PLAN VIEW

21: A2024/00404 22: 2024-04-26 23:
43: 2024-11-08
52: Class 6. 24: Part A
71: TEMPUR WORLD, LLC

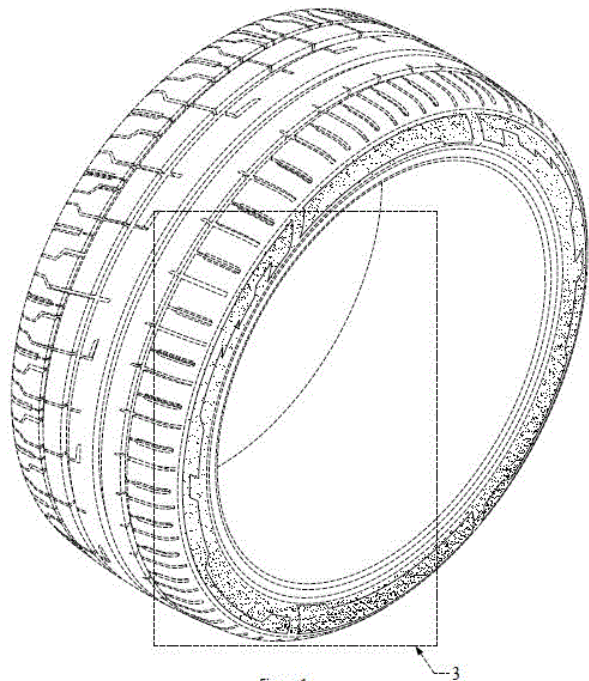


Figure 1
Three-dimensional view

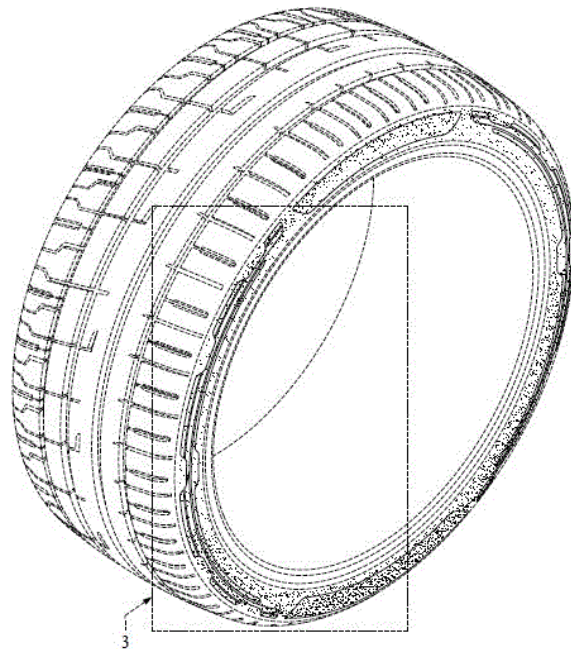


Figure 1
Three-dimensional view

21: A2024/00408 22: 2024-04-30 23:
43: 2024-02-20
52: Class 12 24: Part A
71: Omni United (S) PTE Ltd.
33: US 31: 29/929,131 32: 2024-02-20

54: TYRES AND TYRE TREAD SIDEWALLS

57: The design is for tyres and tyre tread sidewalls. The tyre tread sidewall has a circumferential embellishment pattern having four arcuate parts consisting of two diametrically opposed shorter parts and two diametrically opposed longer parts. Each shorter part has continuous arcuate outer and inner sides, oblique lateral sides, and rounded corners. Each longer side consists of a series of arcuate strips or slices which are radially spaced in three layers and extend circumferentially. The strips together constitute each longer part with five circumferentially spaced depressions in an outer side and a central ridge on an inner side. Each strip is generally arcuate with at least some rounded corners.

21: A2024/00409 22: 2024-04-30 23:
43: 2023-11-02
52: Class 9 24: Part A
71: Beaute Prestige International
33: EM(FR) 31: 015039347-0001 32: 2023-11-02

54: BOTTLES

57: The design is for a bottle which resembles, from the front, a pair of unfurled wings. Each wing comprises large feathers in relief, with the feathers being orientated generally horizontally but two feathers at each wing tip being inclined upwardly. A U-shaped feature, resembling a horseshoe, is provided centrally between the wings. The U-shaped feature is hollow and defines therein a series of dots which extends along a length of the feature, the dots being largest at the bottom and smallest at the top. Sides and a top of the bottle lack prominent features, being mainly an extrusion of the front. A boundary line is provided on one wing which indicates a separation between a lid and body of the bottle, the boundary line being substantially upright but slightly inclined.



Figure 3
Three-dimensional view

21: A2024/00410 22: 2024-04-30 23:
43: 2023-11-02
52: Class 9 24: Part A
71: Beaute Prestige International
33: EM(FR) 31: 015039347-0002 32: 2023-11-02

54: BOTTLES

57: The design is for a bottle which resembles, from the front, a pair of unfurled wings. Each wing comprises large feathers in relief, with the feathers being orientated generally horizontally but two feathers at each wing tip being inclined upwardly. A U-shaped feature, resembling a horseshoe, is provided centrally between the wings. The U-shaped feature is hollow and defines therein a series of dots which extends along a length of the feature, the dots being largest at the bottom and smallest at the top. Sides and a top of the bottle lack prominent features, being mainly an extrusion of the front. A boundary line is provided on one wing which indicates a separation between a lid and body of the bottle, the boundary line being substantially upright but slightly inclined.



Figure 3
Three-dimensional view

21: A2024/00411 22: 2024-04-30 23:
43: 2023-11-02
52: Class 9 24: Part A
71: Beaute Prestige International
33: EM(FR) 31: 015039347-0003 32: 2023-11-02

54: BOTTLES

57: The design is for a bottle which resembles, from the front, a pair of unfurled wings. Each wing comprises large feathers in relief, with the feathers being orientated generally horizontally but two feathers at each wing tip being inclined upwardly. A U-shaped feature, resembling a horseshoe, is provided centrally between the wings. The U-shaped feature is hollow and defines therein a series of dots which extends along a length of the feature, the dots being largest at the bottom and smallest at the top. Sides and a top of the bottle lack prominent features, being mainly an extrusion of the front. A boundary line is provided on one wing which indicates a separation between a lid and body of the bottle, the boundary line being substantially upright but slightly inclined.

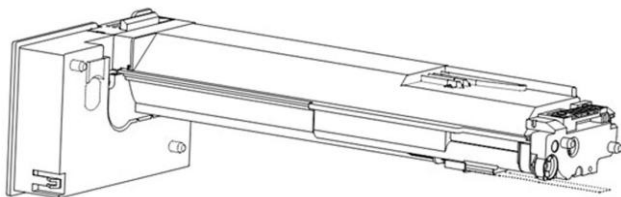


Figure 3
Three-dimensional view

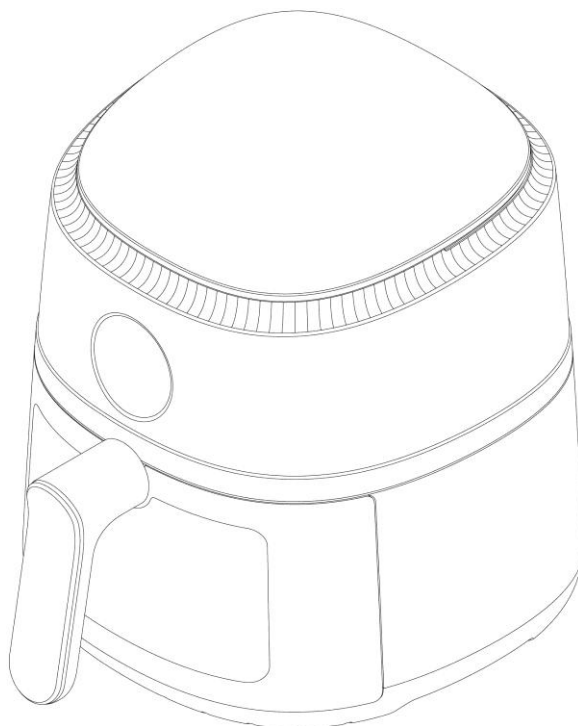
21: A2024/00414 22: 2024-05-02 23:
43: 2024-12-04
52: Class 18 24: Part A
71: ZHUHAI PANTUM ELECTRONICS CO., LTD.
33: CN 31: 202330714188.6 32: 2023-11-02

54: TONER CARTRIDGE

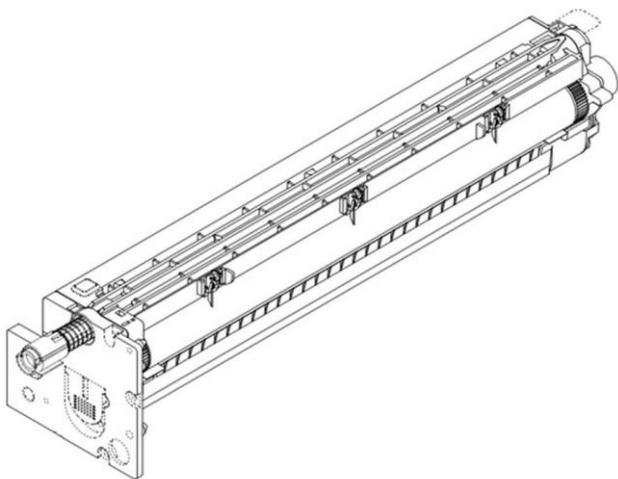
57: The design is applied to a toner cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration of the toner cartridge, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



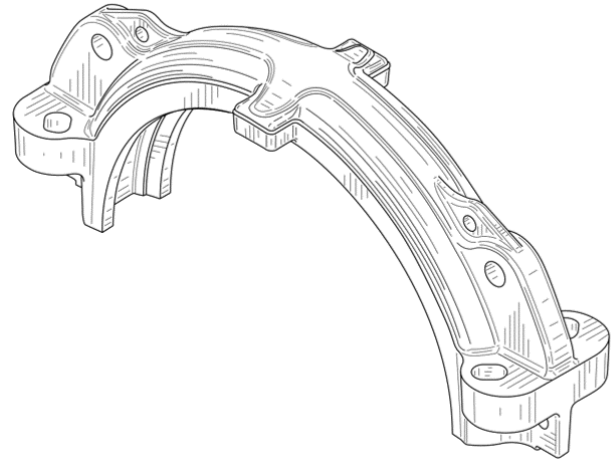
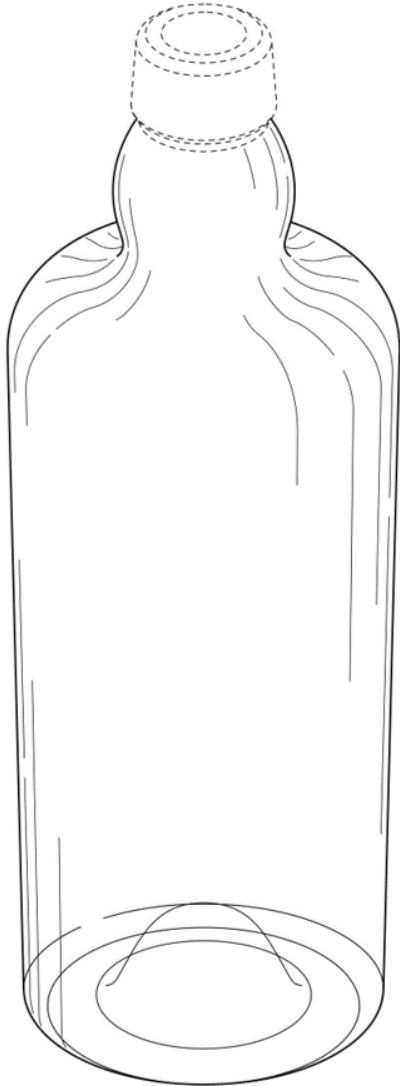
21: A2024/00415 22: 2024-05-02 23:
 43: 2024-12-04
 52: Class 14 24: Part A
 71: ZHUHAI PANTUM ELECTRONICS CO., LTD.
 33: CN 31: 202330714133.5 32: 2023-11-02
54: PROCESSING CARTRIDGE
 57: The design is applied to a processing cartridge. The features of the design for which protection is claimed are those of the shape and/or configuration of the processing cartridge, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2024/00434 22: 2024-05-08 23:
 43: 2024-12-04
 52: Class 09 24: Part A
 71: SAVERGLASS
 33: EU 31: 015046094-0001 32: 2023-12-29
54: BOTTLE
 57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration of the bottle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface lines are included to indicate the surface character and contours of the bottle and such lines do not constitute a surface pattern or ornamentation.



21: A2024/00422 22: 2024-05-06 23:
 43: 2024-12-04
 52: Class 07 24: Part A
 71: Versuni Holding B.V.
 33: EU 31: 015040348 32: 2023-11-08
54: AIR FRYERS
 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 Air fryer as shown in the accompanying representations.



21: A2024/00455 22: 2024-05-10 23:
43: 2024-12-04
52: Class 23 24: Part A
71: VICTAULIC COMPANY
33: US 31: 29/917,812 32: 2023-11-22

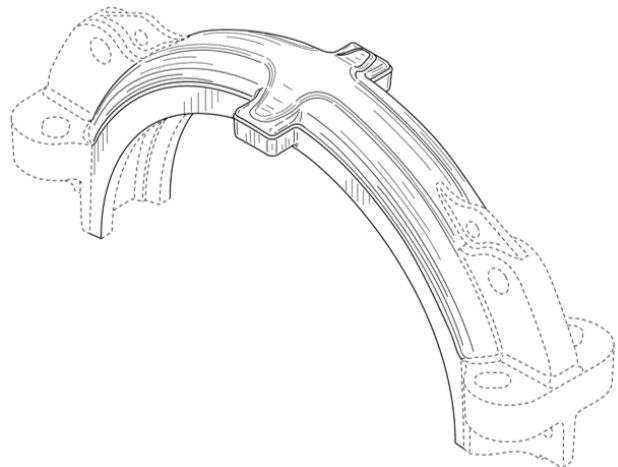
54: COUPLING SEGMENT

57: The design is applied to a coupling segment. 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 coupling segment, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading lines are provided to indicate contours and the surface character but do not form part of the design and are also disclaimed.

21: A2024/00447 22: 2024-05-10 23:
43: 2024-12-04
52: Class 23 24: Part A
71: VICTAULIC COMPANY
33: US 31: 29/917,812 32: 2023-11-22

54: COUPLING SEGMENT

57: The design is applied to a coupling segment. 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 coupling segment, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate contours and the surface character but do not form part of the design and are disclaimed.

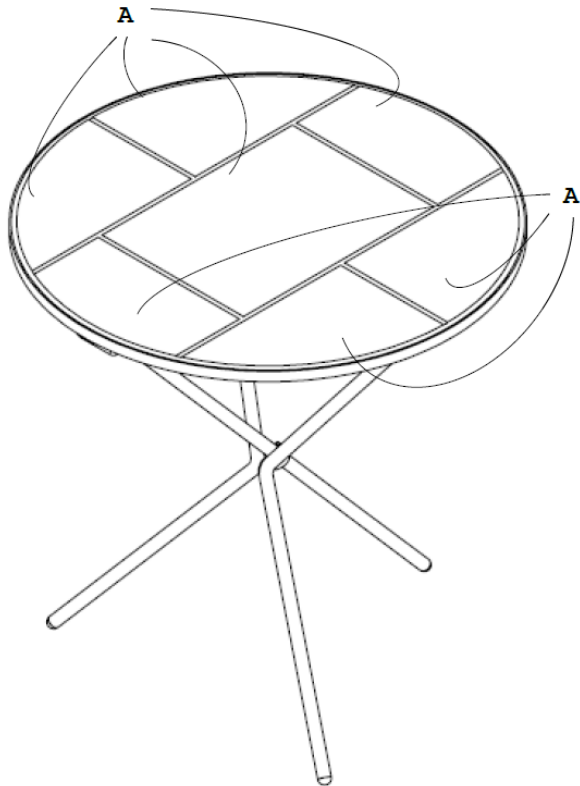


21: A2024/00463 22: 2024-05-17 23: 2024-02-14
43: 2024-12-04
52: Class 06 24: Part A

71: WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED

54: TABLE INCORPORATING ADORNED CERAMICS

57: The features of the design for which protection is claimed resides in shape and/or configuration and/or ornamentation of a collapsible table having a table top which incorporates adorned ceramics A, substantially as shown in the accompanying representations.



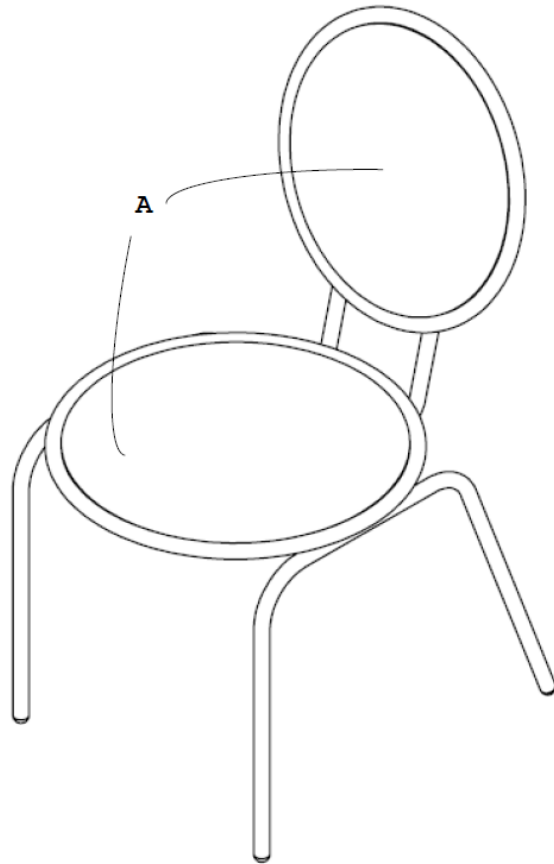
21: A2024/00464 22: 2024-05-17 23: 2024-02-14 43: 2024-12-04

52: Class 06 24: Part A

71: WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED

54: CHAIR INCORPORATING ADORNED CERAMICS

57: The features of the design for which protection is claimed resides in shape and/or configuration and/or ornamentation of a chair which incorporates adorned ceramics A, substantially as shown in the accompanying representations.



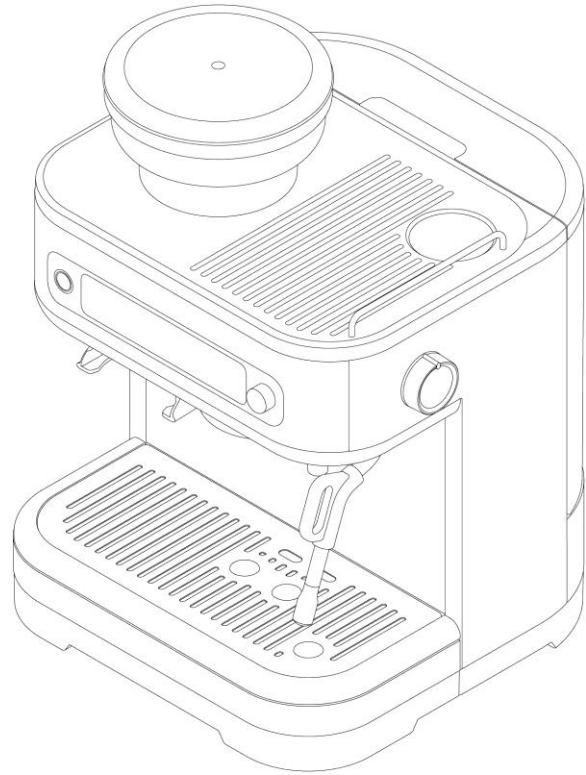
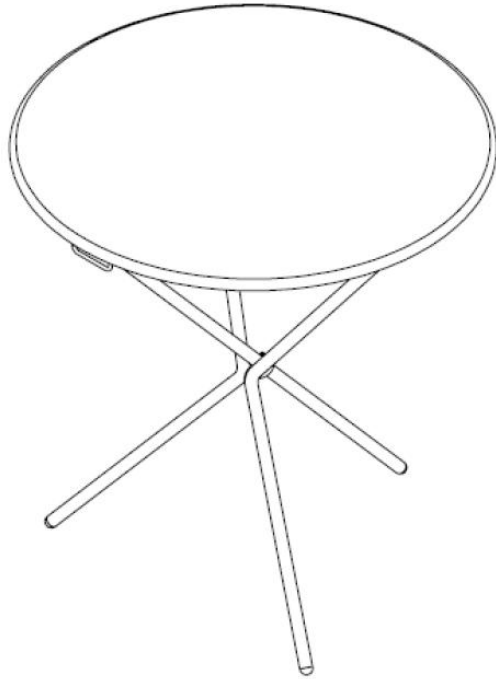
21: A2024/00465 22: 2024-05-17 23: 2024-02-14 43: 2024-12-04

52: Class 06 24: Part A

71: WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED

54: TABLE INCORPORATING STONE

57: The features of the design for which protection is claimed resides in shape and/or configuration and/or ornamentation of a collapsible table having a stone table top, substantially as shown in the accompanying representations.



21: A2024/00466 22: 2024-05-17 23:
43: 2024-12-04

52: Class 07 24: Part A

71: Versuni Holding B.V.

33: EU 31: 015042267-0005 32: 2023-11-24

54: ESPRESSO COFFEE MACHINE

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 ESPRESSO COFFEE MACHINE as shown in the accompanying representations.

21: A2024/00467 22: 2024-05-17 23:
43: 2024-12-04

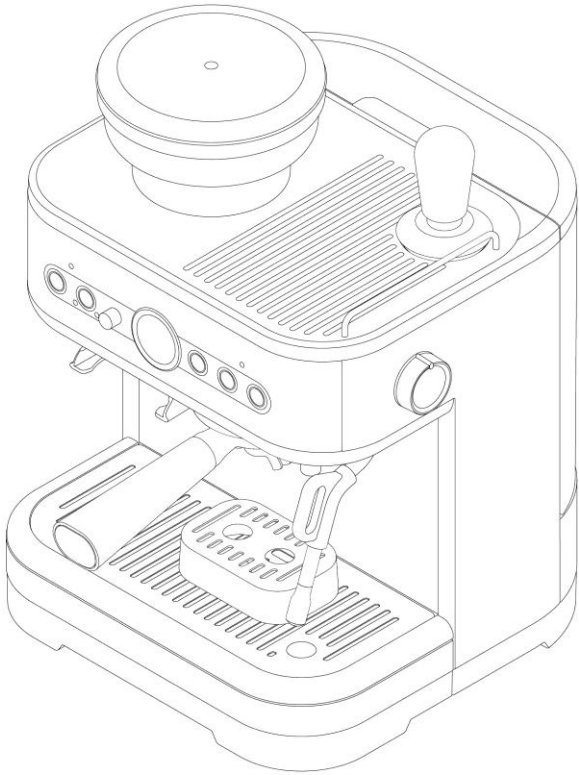
52: Class 07 24: Part A

71: Versuni Holding B.V.

33: EU 31: 015042267-0001 32: 2023-11-24

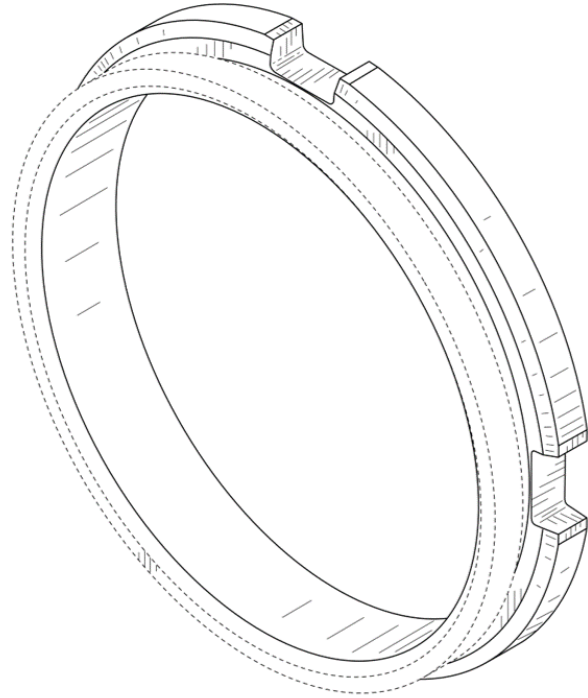
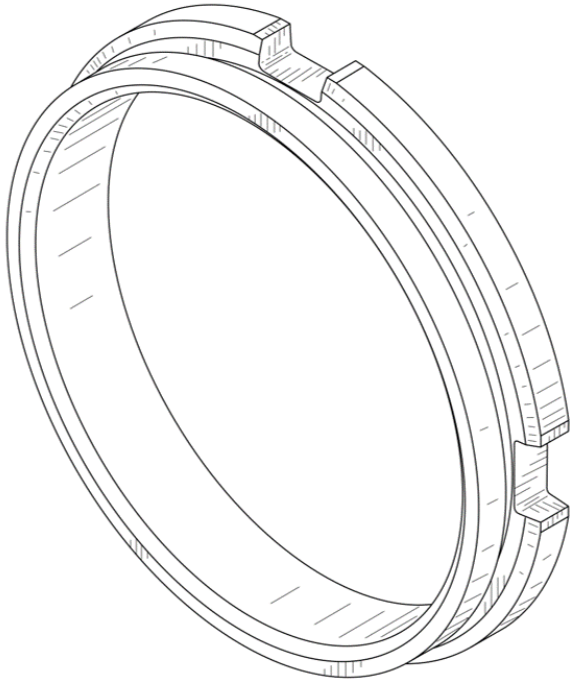
54: ESPRESSO COFFEE MACHINE

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 ESPRESSO COFFEE MACHINE as shown in the accompanying representations.



21: A2024/00468 22: 2024-05-17 23:
 43: 2024-12-04
 52: Class 07 24: Part A
 71: Versuni Holding B.V.
 33: EU 31: 015042267-0006 32: 2023-11-24
54: ESPRESSO COFFEE MACHINE
 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 ESPRESSO COFFEE MACHINE as shown in the accompanying representations.

21: A2024/00478 22: 2024-05-22 23:
 43: 2024-12-04
 52: Class 23 24: Part A
 71: VICTAULIC COMPANY
 33: US 31: 29/917,822 32: 2023-11-22
54: PIPE ADAPTER
 57: The design is applied to a pipe adapter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the pipe adapter, substantially as illustrated in the accompanying representation. Surface shading lines are provided to indicate the surface character but do not form part of the design and are disclaimed.

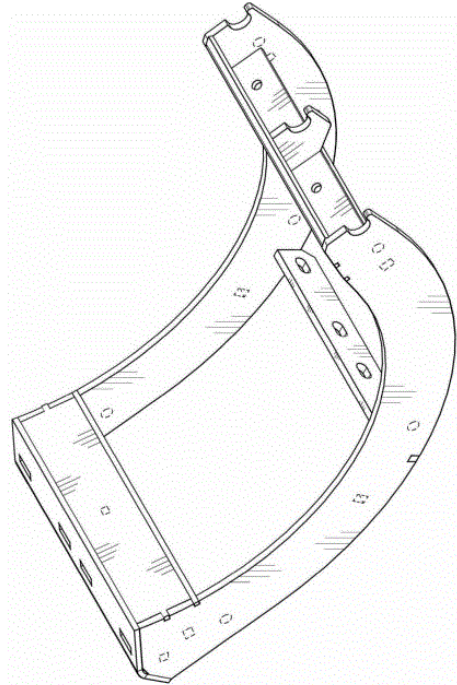
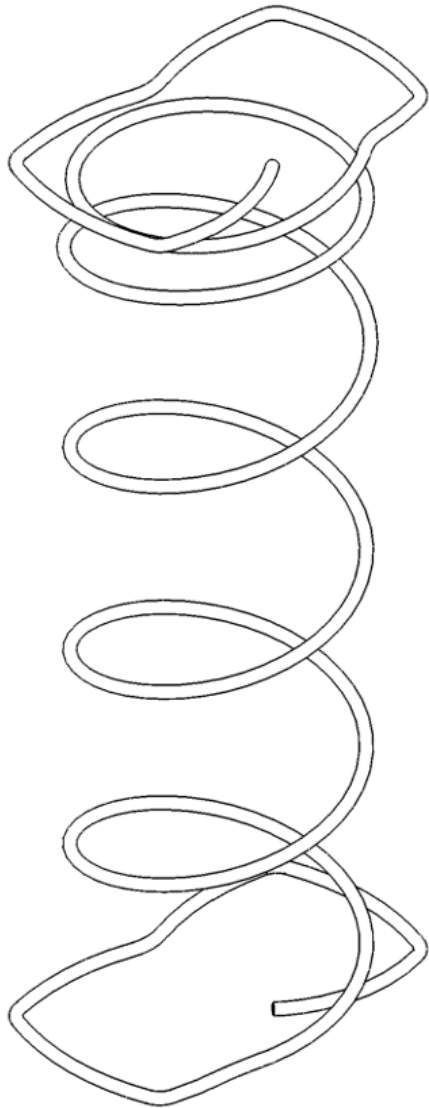


21: A2024/00480 22: 2024-05-22 23:
 43: 2024-12-04
 52: Class 23 24: Part A
 71: VICTAULIC COMPANY
 33: US 31: 29/917,822 32: 2023-11-22
54: PIPE ADAPTER

57: The design is applied to a pipe adapter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the pipe adapter, 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 disclaimed.

21: A2024/00483 22: 2024-05-22 23:
 43: 2024-12-04
 52: Class 06 24: Part A
 71: MADAD PTY LTD
 33: AU 31: 202317998 32: 2023-11-29
54: MATTRESS COIL SPRING WITH TIGHT TOP PITCH

57: The design is applied to a mattress coil spring. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the mattress coil spring, substantially as illustrated in the accompanying representation.



FRONT UPPER PERSPECTIVE VIEW

21: A2024/00495 22: 2024-05-27 23:
43: 2024-12-04
52: Class 07 24: Part A
71: Versuni Holding B.V.
33: EU 31: 015042970-0004 32: 2023-12-01

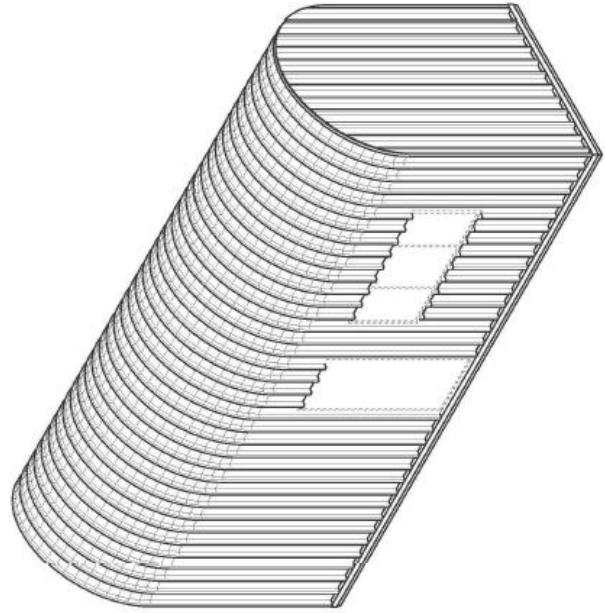
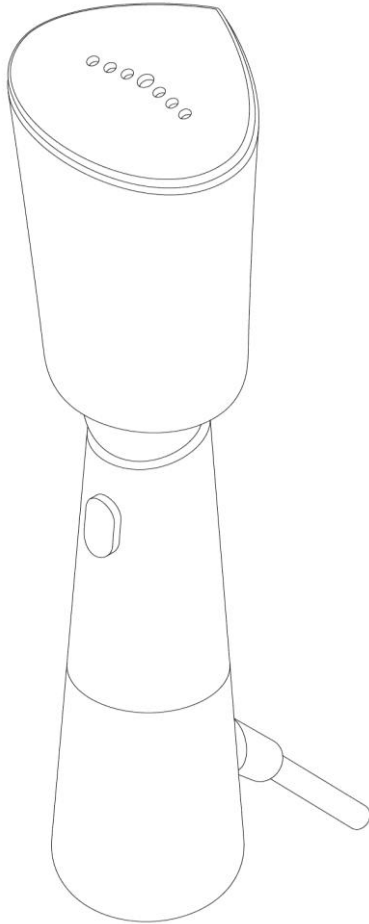
54: HAND-HELD STEAMER

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 Hand-held steamer as shown in the accompanying representations.

21: A2024/00484 22: 2024-05-23 23:
43: 2024-12-04
52: Class 15 24: Part A
71: BUSHEL PLUS LTD.
33: US 31: 29/918,135 32: 2023-11-24

54: FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

57: The design is to be applied to a frame member for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration and/or ornamentation, substantially as shown in the representations. The broken lines showing apertures in some of the surfaces of the frame member are for illustrative purposes only and form no part of the claimed design.



PERSPECTIVE VIEW (Assembled Building Unit)

21: A2024/00497 22: 2024-05-28 23:
43: 2024-12-10

52: Class 25 24: Part A

71: FOURIE, Marthinus Christiaan Johannes

54: A SET OF ARTICLES FORMING A BUILDING UNIT

57: The design is in respect of a set of articles forming a building unit having a substantially inverted U-shaped body, when viewed from the front. The body is integrally formed by an interconnected series of elongate substantially planar ribbed roof sheeting panels, wherein each roof sheeting panel is bent about its centre portion to define an arched roof portion straddled by two identically shaped side wall portions. A generally rectangular planar base and rectangular roof sheet sections close off the building unit from the bottom and front/rear respectively; with doors or windows optionally forming part of the building unit.

21: A2024/00510 22: 2024-06-04 23:

43: 2025-01-06

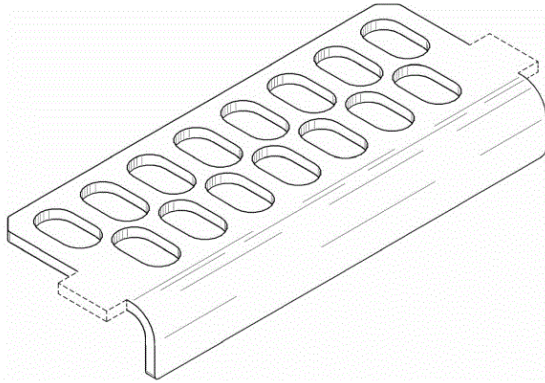
52: Class 15 24: Part A

71: BUSHEL PLUS LTD.

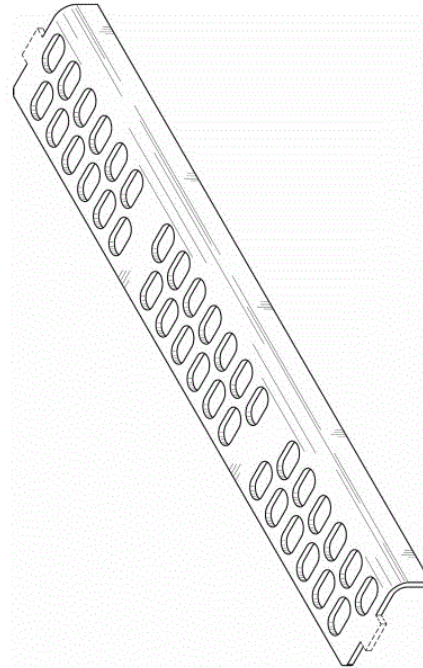
33: US 31: 29/919,470 32: 2023-12-04

54: GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

57: The design is to be applied to a grate segment for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.



FRONT PERSPECTIVE VIEW
OF GRATE SEGMENT



FRONT PERSPECTIVE VIEW
OF GRATE SEGMENT

21: A2024/00511 22: 2024-06-04 23:

43: 2025-01-06

52: Class 15 24: Part A

71: BUSHEL PLUS LTD.

33: US 31: 29/919,579 32: 2023-12-05

**54: GRATE SEGMENT FOR AGRICULTURAL
COMBINE HARVESTER CONCAVES**

57: The design is to be applied to a grate segment for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

21: A2024/00609 22: 2024-06-21 23:

43: 2025-01-06

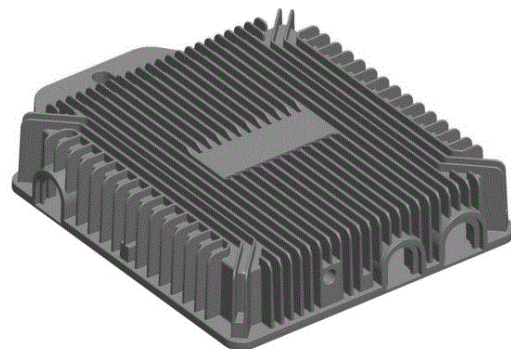
52: Class 13 24: Part A

71: FOSHAN LYTRAN ELECTRICAL EQUIPMENT
CO., LTD.

33: CN 31: 202430020977.4 32: 2024-01-12

54: PHOTOVOLTAIC INVERTER

57: The design is to be applied to a photovoltaic inverter. The features for which protection is claimed are those of shape and/or configuration and/or ornamentation, substantially as shown in the representations.



FRONT PERSPECTIVE VIEW

21: A2024/00617 22: 2024-06-24 23:

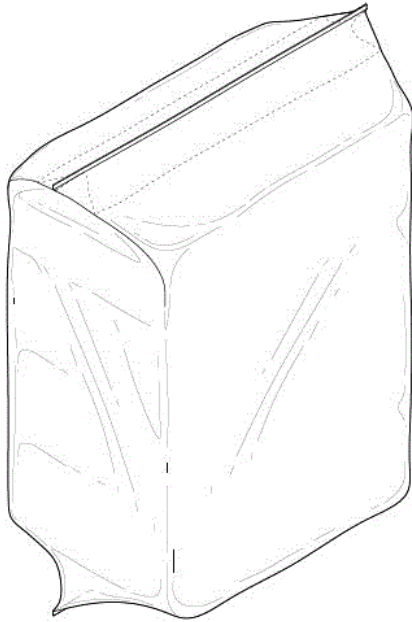
43: 2025-01-06

52: Class 9 24: Part A

71: SERRA MANUFACTURING (PTY) LIMITED

54: CONTAINER

57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

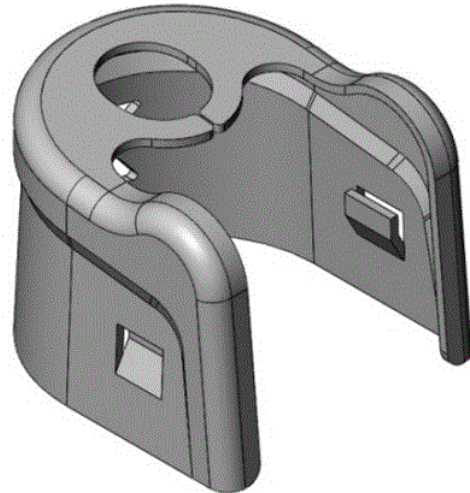


TOP PERSPECTIVE VIEW OF ARTICLE IN PRIMARY USE

21: A2024/00622 22: 2024-06-26 23: 43: 2025-01-06
 52: Class 27 24: Part A
 71: HUNAN ZHUOYE ELECTRONICS CO., LTD
 33: CN 31: 2024301066903 32: 2024-03-04

54: WINDPROOF COVER FOR A LIGHTER

57: The design is to be applied to a windproof cover for a lighter. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.

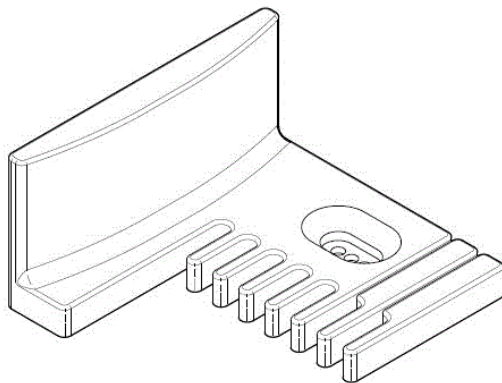


PERSPECTIVE VIEW

21: A2024/00620 22: 2024-06-25 23: 43: 2025-01-06
 52: Class 8 24: Part A
 71: GRACE HAVEN INDUSTRIES (PTY) LTD

54: GUIDE FOR A SLIDING DOOR

57: The design relates to a guide for a sliding door. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

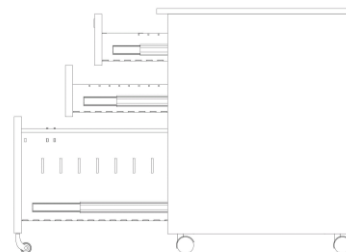


FIRST PERSPECTIVE VIEW

21: A2024/01137 22: 2024-11-05 23: 43: 2025-01-07
 52: Class 6 24: Part A
 71: Wang Chong

54: OFFICE CABINETS

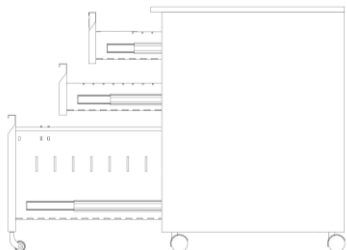
57: The design relates to a Office cabinets. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: A2024/01138 22: 2024-11-05 23: 43: 2025-01-07
 52: Class 6 24: Part A
 71: Wang Chong

54: OFFICE CABINETS

57: The design relates to a Office cabinets. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.

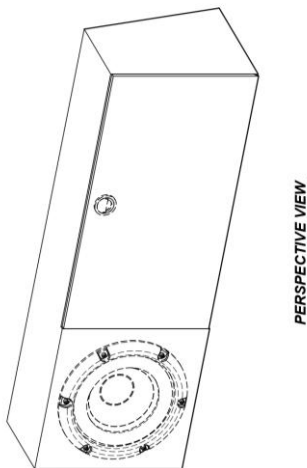


21: F2021/01562 22: 2021-12-23 23:
43: 2024-11-14

52: Class 07 24: Part F
71: SIBISI, PHUMLANI ERICK

54: A COOLER

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a COOLER as shown in the accompanying representations, irrespective of the features shown in broken lines.

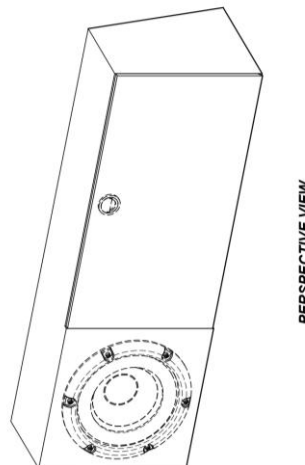


21: F2021/01564 22: 2021-12-23 23:
43: 2024-11-14

52: Class 14 24: Part F
71: SIBISI, PHUMLANI ERICK

54: A COOLER

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a COOLER as shown in the accompanying representations, irrespective of the features shown in broken lines.

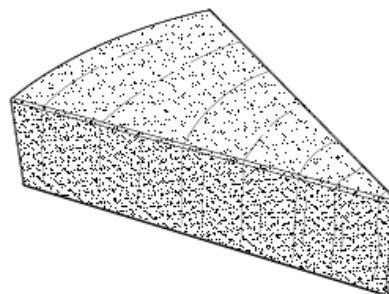


21: F2022/00253 22: 2022-03-11 23:
43: 2024-11-14

52: Class 23 24: Part F
71: FIRE STARTER ZA (PTY) LTD

54: A FIRELIGHTER

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a FIRELIGHTER obtained from an Agave sisalana plant as shown in the accompanying representations.



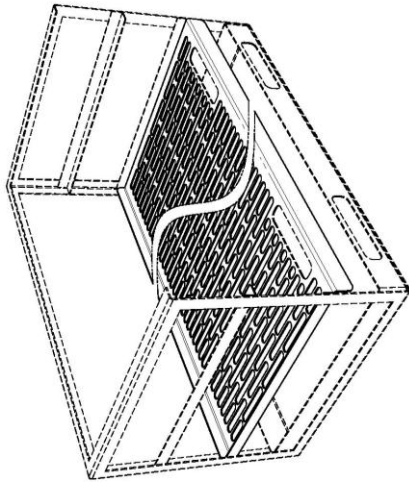
FIRST PERSPECTIVE VIEW

21: F2022/00974 22: 2022-08-22 23: 2022-03-01
43: 2024-11-14

52: Class 07 24: Part F
71: Albertus, Kyle Graham

54: GRID

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a GRID as shown in the accompanying representations, irrespective of the features shown in broken lines.

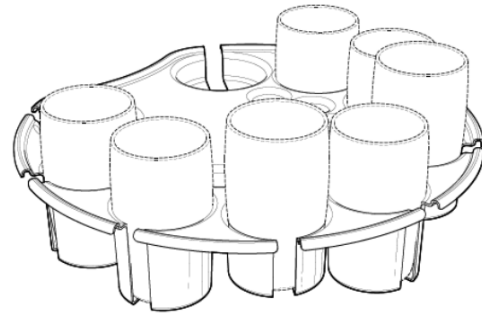


ENVIRONMENTAL VIEW
OF ARTICLE IN USE

21: F2023/00442 22: 2023-04-11 23: 2023-01-01
43: 2024-11-14
52: Class 07 24: Part F
71: PIJO PLASTICS (PTY) LTD

54: TRAY FOR HOUSEHOLD GOODS

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a TRAY FOR HOUSEHOLD GOODS as shown in the accompanying representations, irrespective of the features shown in broken lines.

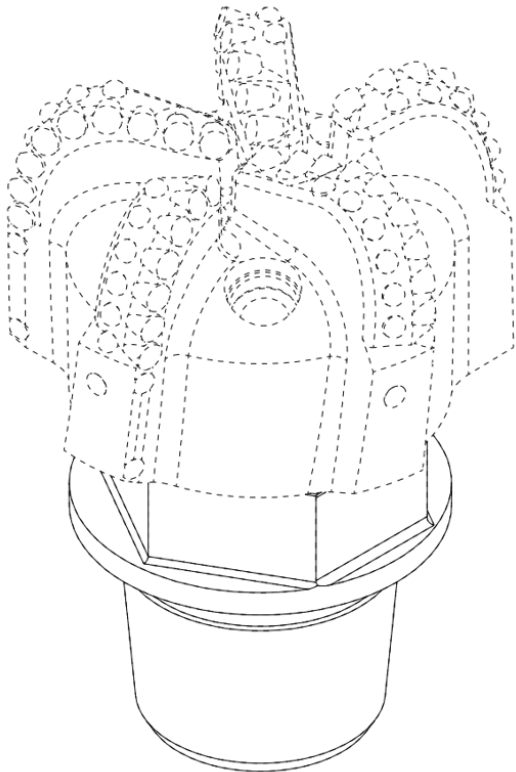


PERSPECTIVE VIEW
OF TRAY IN USE

21: F2023/00195 22: 2023-02-13 23:
43: 2024-12-10
52: Class 08 24: Part F
71: iCutter Industries Australia Pty Ltd
33: AU 31: 202215233 32: 2022-09-02

54: A DRILL BIT

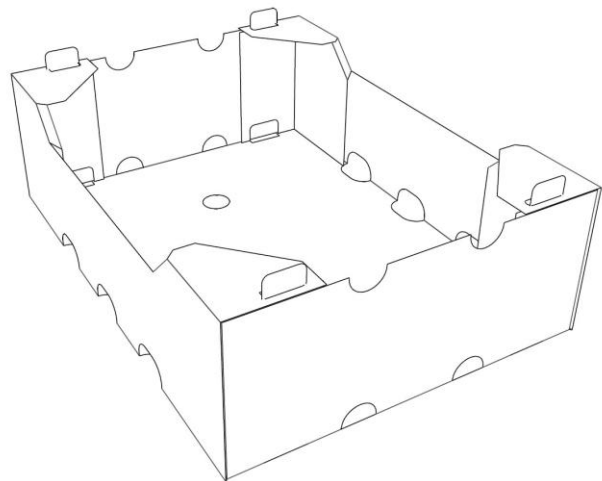
57: The design is for a drill bit with cutting structures, but with particular emphasis on a collar below the cutting structures, said collar including a hexagonal part and a tapering part.



21: F2023/00920 22: 2023-08-22 23:
43: 2024-12-10
52: Class 09 24: Part F
71: APL CARTONS (PTY) LTD

54: CONTAINER

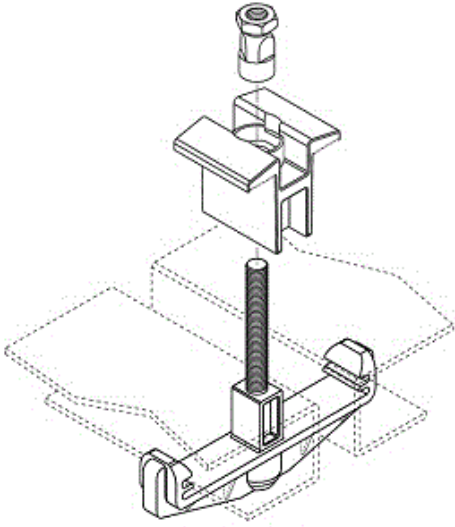
57: The design is for a rectangular, stackable container with diagonally folded corner flaps.



21: F2024/00049 22: 2024-01-16 23:
43: 2024-11-20
52: Class 8. 24: Part F
71: HRH RUBBER PRODUCTS CC

54: Panel Lock Mechanism

57: The design relates to a panel lock mechanism. The features of the design are those of shape and/or configuration.

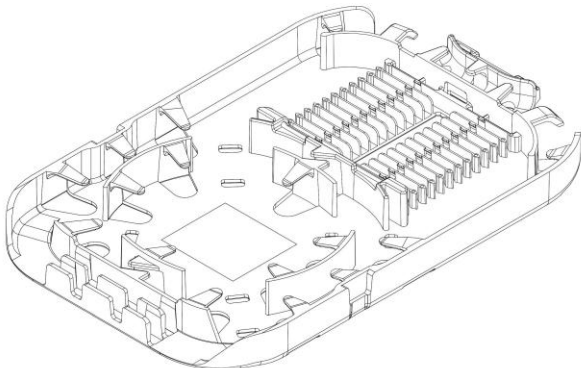


EXPLODED PERSPECTIVE VIEW

21: F2024/00273 22: 2024-03-18 23: 43: 2024-10-11
52: Class 13 24: Part F
71: PIMMS Group (Pty) Ltd

54: FIBRE MANAGEMENT TRAY

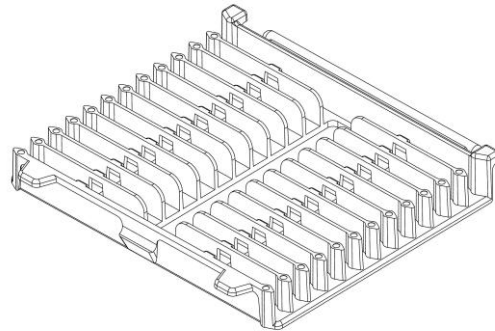
57: The features of the design for which protection is claimed include the shape and/or configuration of the FIBRE MANAGEMENT TRAY 'A' substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. The FIBRE MANAGEMENT TRAY 'A' may have a splice bay cassette 'B' installed thereon.



21: F2024/00275 22: 2024-03-18 23: 43: 2024-10-11
52: Class 13 24: Part F
71: PIMMS Group (Pty) Ltd

54: SPLICE BAY CASSETTE

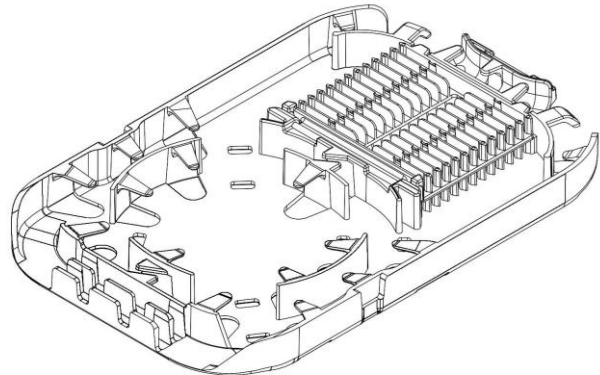
57: The features of the design for which protection is claimed include the shape and/or configuration of the SPLICE BAY CASSETTE substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed. The SPLICE BAY CASSETTE may be installed in a fibre management tray and is movable from an upright installation position to an installed position.



21: F2024/00277 22: 2024-03-18 23: 43: 2024-10-11
52: Class 13 24: Part F
71: PIMMS Group (Pty) Ltd

54: FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT

57: The features of the design for which protection is claimed include shape and/or configuration of the FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT substantially as illustrated in the accompanying representations.

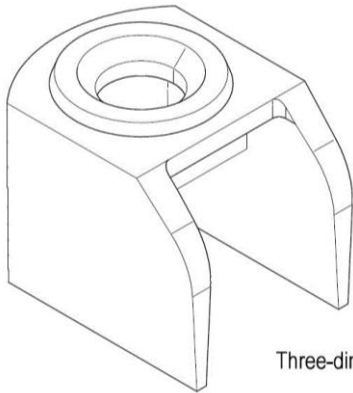


21: F2024/00308 22: 2024-04-02 23: 43: 2024-04-02
52: Class 8 24: Part F
71: Rocbolt Technologies (Pty) Ltd.

54: A Structural Spacer Member for a Rock Bolt

57: The design is for a structural spacer member for a rock bolt. The spacer member has a cuboid,

hollow body and defines longitudinally outer and inner ends with a main channel extending longitudinally between the outer and inner ends. The body defines an auxiliary opening at a side of the body and an auxiliary channel extending laterally between the auxiliary opening and the inner end.



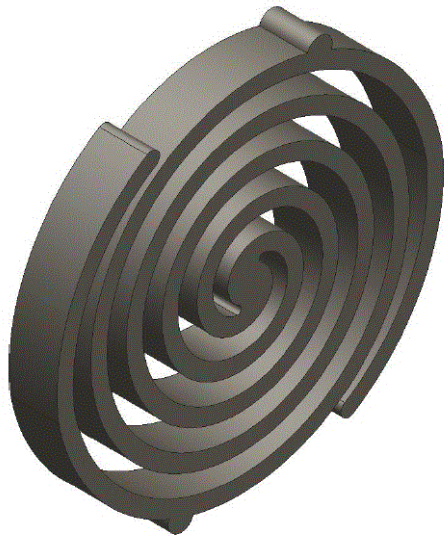
Three-dimensional view from outer end

21: F2024/00329 22: 2024-04-04 23:
43: 2024-11-12
52: Class 9 24: Part F
71: HYDROGEN ENERGY APPLICATIONS (PTY) LTD

54: CLOSURE MEANS

57: The functional design relates to a securing means for containing solid particles in a tubular container. The features of the design are those of shape and/or configuration as shown and described.

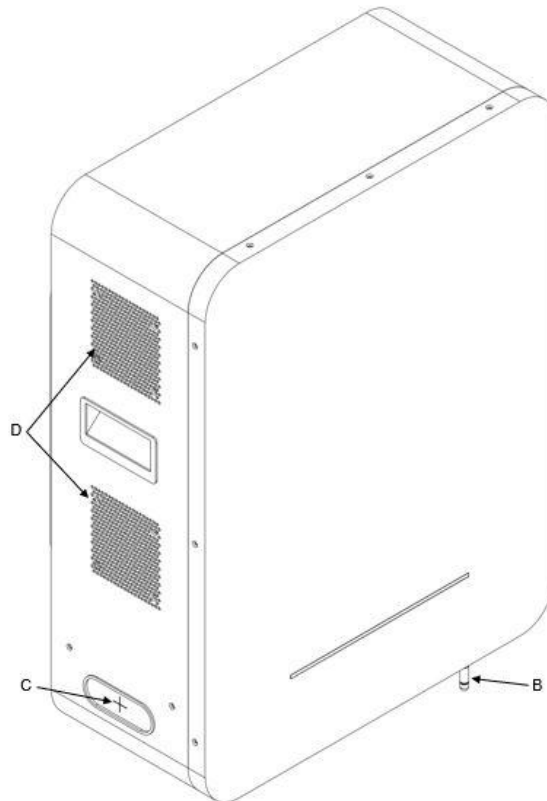
Figure 2: A perspective view



21: F2024/00348 22: 2024-04-09 23:
43: 2024-11-08

52: Class 13 24: Part F
71: HUBBLE ENERGY (PTY) LTD
54: BATTERY ENCLOSURE

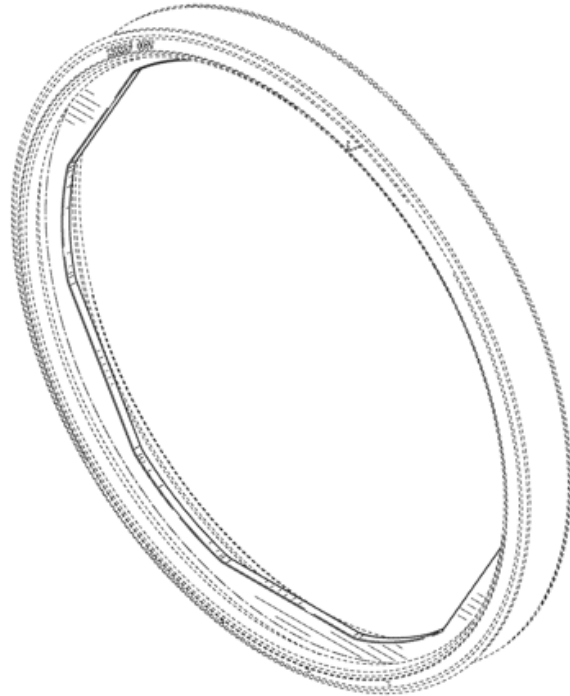
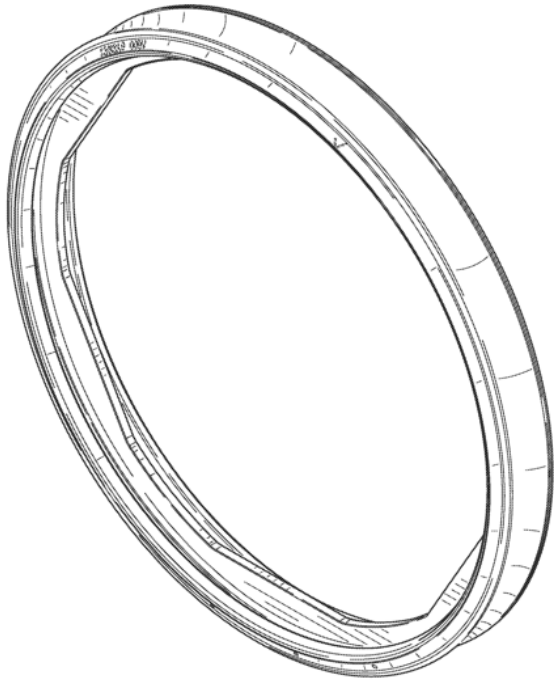
57: The design is applied to a battery enclosure. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the battery enclosure, substantially as illustrated in the accompanying representation.



21: F2024/00351 22: 2024-04-10 23:
43: 2024-11-08
52: Class 23 24: Part F
71: VICTAULIC COMPANY
33: US 31: 29/913,914 32: 2023-10-10

54: GASKET

57: The design is applied to a gasket. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gasket, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate the surface contours and surface character but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2024/00352 22: 2024-04-10 23:
 43: 2024-11-08
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/913,914 32: 2023-10-10

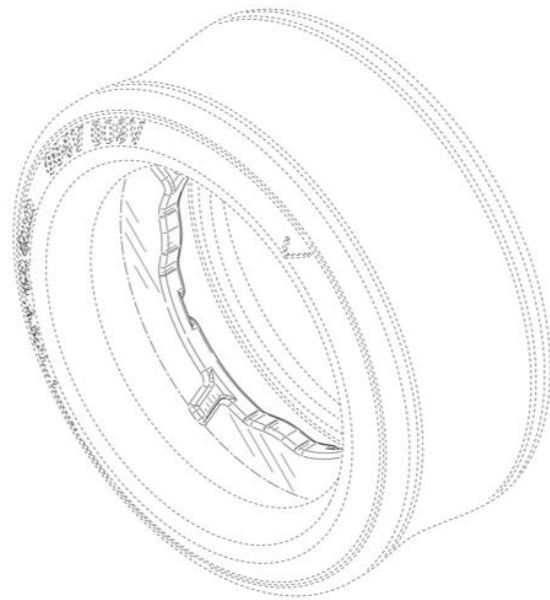
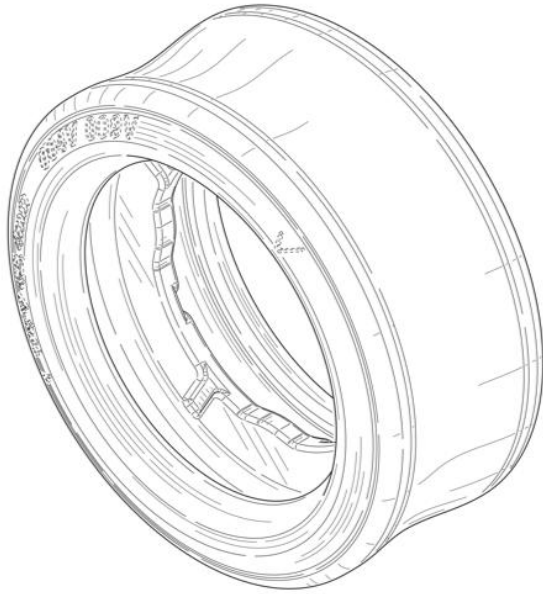
54: GASKET

57: The design is applied to a gasket. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gasket, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate the surface contours and surface character but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.

21: F2024/00354 22: 2024-04-10 23:
 43: 2024-11-08
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/913,915 32: 2023-10-10

54: GASKET

57: The design is applied to a gasket. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gasket, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate the surface contours and surface character but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2024/00355 22: 2024-04-10 23:
 43: 2024-11-08
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/913,915 32: 2023-10-10

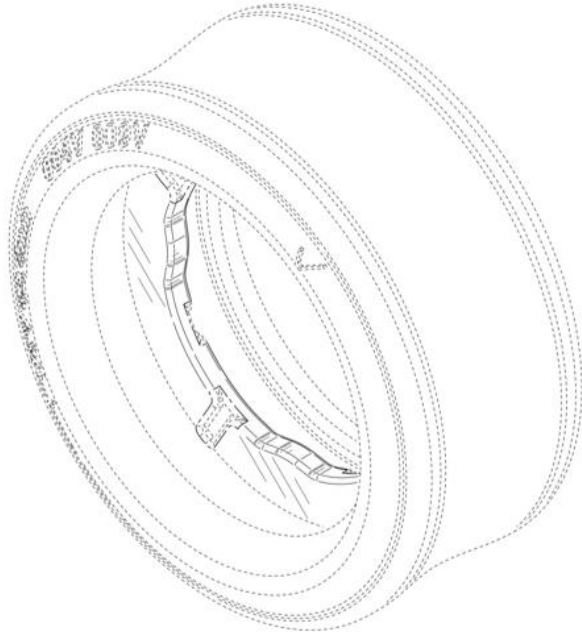
54: GASKET

57: The design is applied to a gasket. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gasket, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate the surface contours and surface character but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.

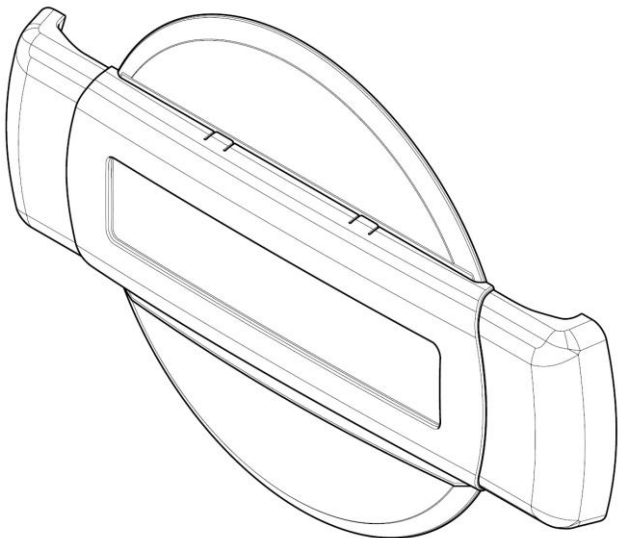
21: F2024/00356 22: 2024-04-10 23:
 43: 2024-11-08
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/913,915 32: 2023-10-10

54: GASKET

57: The design is applied to a gasket. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the gasket, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate the surface contours and surface character but do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.

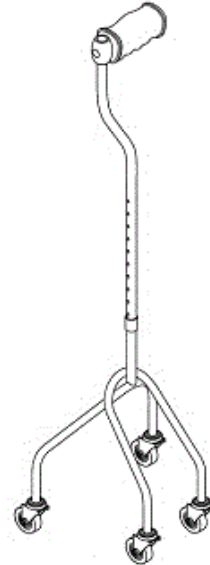


21: F2024/00357 22: 2024-04-11 23:
 43: 2024-11-12
 52: Class 12 24: Part F
 71: OCIN PRODUCTS, S.L
54: SPARE WHEEL COVER
 57: The features of this design for which protection are claimed include the shape and/or configuration of a spare wheel cover substantially as illustrated in the accompanying representations.



21: F2024/00377 22: 2024-04-18 23:
 43: 2024-11-08
 52: Class 24. 24: Part F
 71: LEVIN, TALYA NECHAMA
54: Wheeled Walking Aid

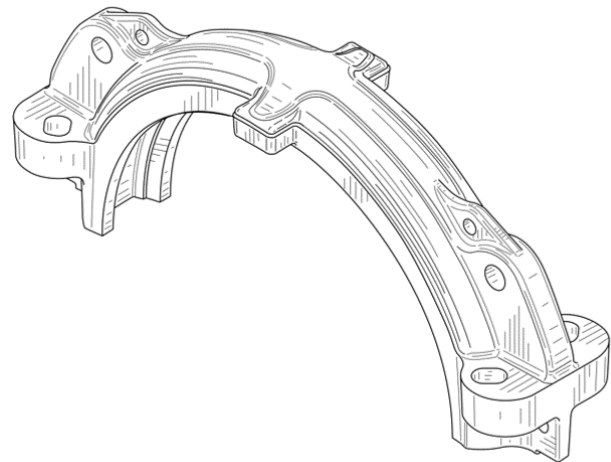
57: The design relates to a wheeled walking aid. The features of the design are those of shape and/or configuration.



PERSPECTIVE VIEW

21: F2024/00454 22: 2024-05-10 23:
 43: 2024-12-04
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/917,812 32: 2023-11-22
54: COUPLING SEGMENT

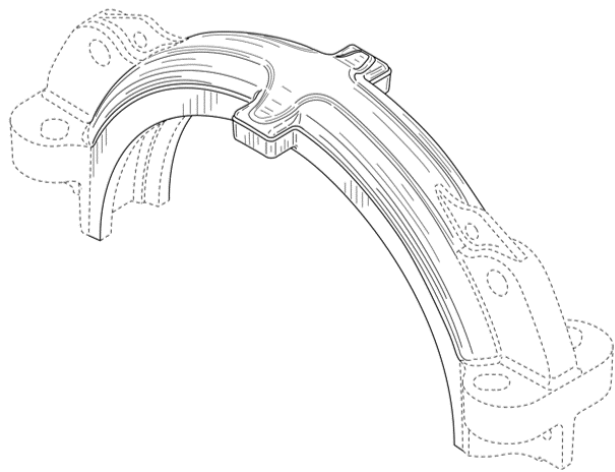
57: The design is applied to a coupling segment. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the coupling segment, substantially as illustrated in the accompanying representation. Contour lines and surface shading lines are provided to indicate contours and the surface character but do not form part of the design and are disclaimed.



21: F2024/00456 22: 2024-05-10 23:
 43: 2024-12-04
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/917,812 32: 2023-11-22

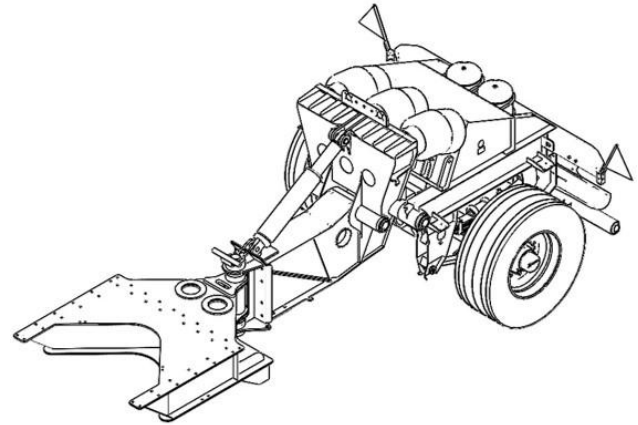
54: COUPLING SEGMENT

57: The design is applied to a coupling segment. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the coupling segment, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading lines are provided to indicate contours and the surface character but do not form part of the design and are also disclaimed.



21: F2024/00458 22: 2024-05-14 23:
 43: 2024-12-04
 52: Class 12 24: Part F
 71: ROUTE HOLDINGS (PTY) LTD
54: TRAILER

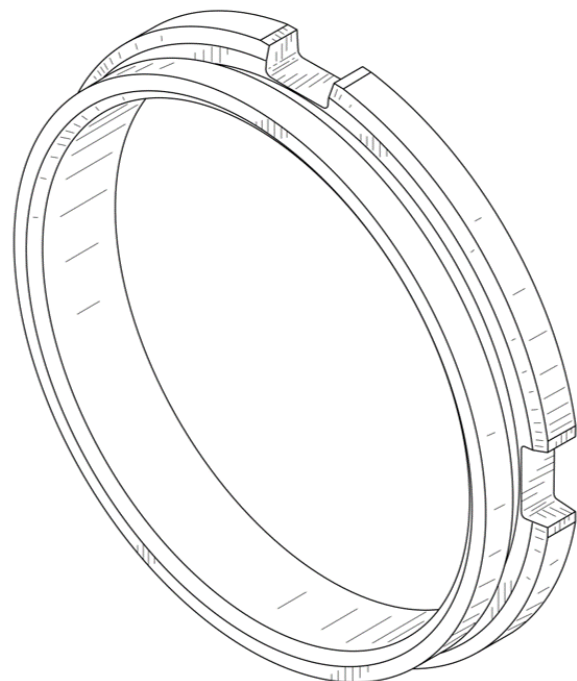
57: The design is applied to a trailer. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the trailer, substantially as illustrated in the accompanying representation.



21: F2024/00479 22: 2024-05-22 23:
 43: 2024-12-04
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/917,822 32: 2023-11-22

54: PIPE ADAPTER

57: The design is applied to a pipe adapter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the pipe adapter, substantially as illustrated in the accompanying representation. Surface shading lines are provided to indicate the surface character but do not form part of the design and are disclaimed.

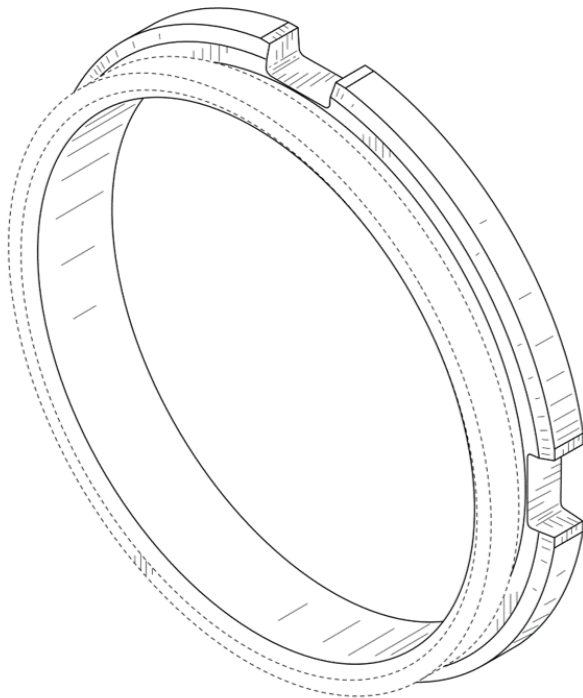


21: F2024/00481 22: 2024-05-22 23:

43: 2024-12-04
 52: Class 23 24: Part F
 71: VICTAULIC COMPANY
 33: US 31: 29/917,822 32: 2023-11-22

54: PIPE ADAPTER

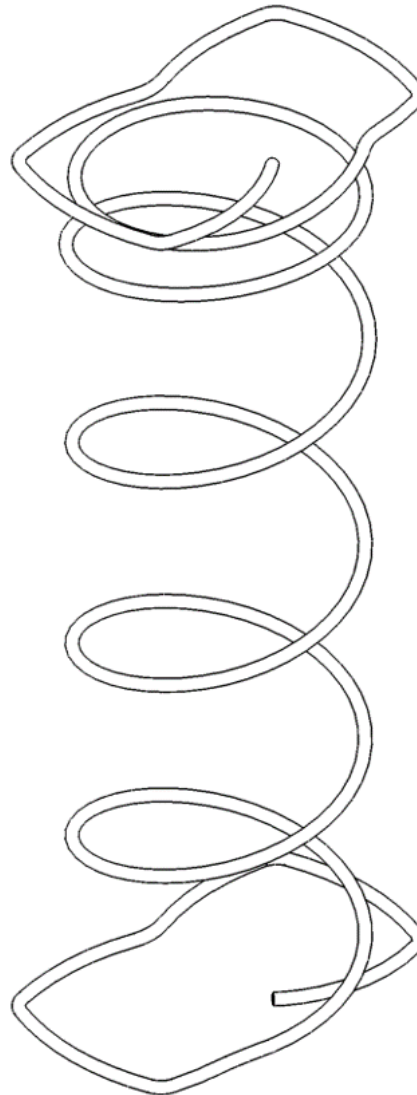
57: The design is applied to a pipe adapter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the pipe adapter, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Surface shading lines are provided to indicate the surface character but do not form part of the design and are disclaimed.



21: F2024/00482 22: 2024-05-22 23:
 43: 2024-12-04
 52: Class 08 24: Part F
 71: MADAD PTY LTD

54: COIL SPRING WITH TIGHT TOP PITCH

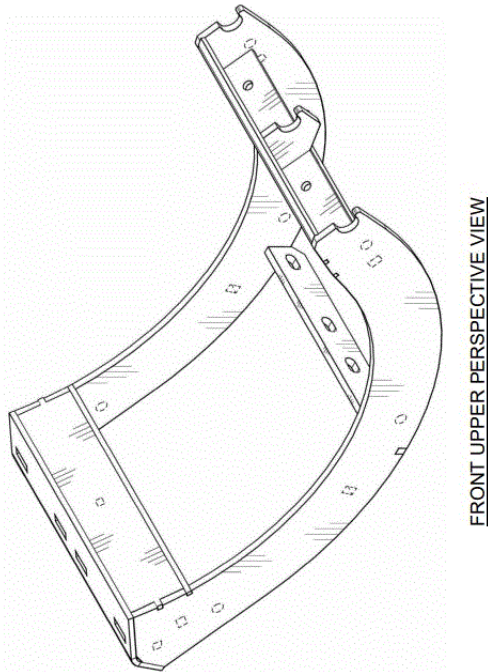
57: The design is applied to a coil spring. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the coil spring, substantially as illustrated in the accompanying representation.



21: F2024/00485 22: 2024-05-23 23:
 43: 2024-12-11
 52: Class 15 24: Part F
 71: BUSHEL PLUS LTD.
 33: US 31: 29/918,135 32: 2023-11-24

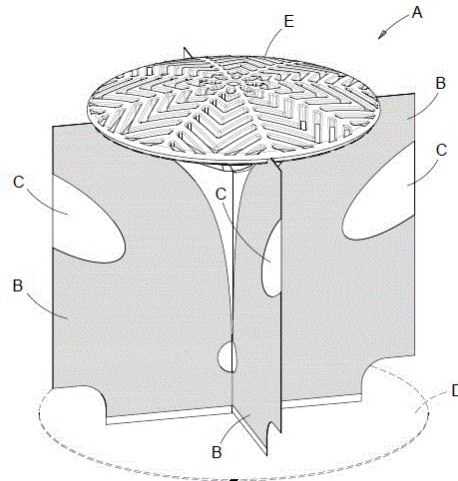
54: FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

57: The design is to be applied to a frame member for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The broken lines showing apertures in some of the surfaces of the frame member are for illustrative purposes only and form no part of the claimed design.



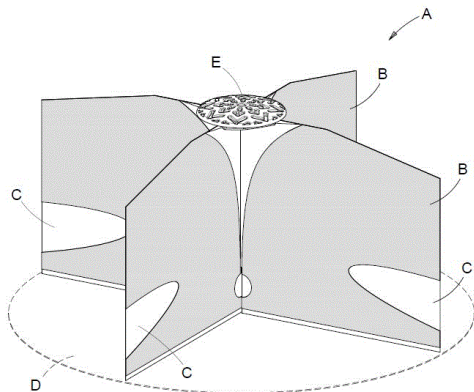
52: Class 14 24: Part F
 71: POYNTING ANTENNAS (PTY) LIMITED
54: ANTENNA ASSEMBLY

57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of an antenna assembly A comprising functional radiating elements B on substrates C, a ground plane D and a lens E irrespective of the shapes of the substrates C, the ground plane D and the lens E.



21: F2024/00490 22: 2024-05-24 23:
 43: 2024-12-04
 52: Class 14 24: Part F
 71: POYNTING ANTENNAS (PTY) LIMITED
54: ANTENNA ASSEMBLY

57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of an antenna assembly A comprising functional radiating elements B on substrates C, a ground plane D and an optional lens E as illustrated in the accompanying representations, irrespective of the shapes of the substrates C, the ground plane D and the lens E.



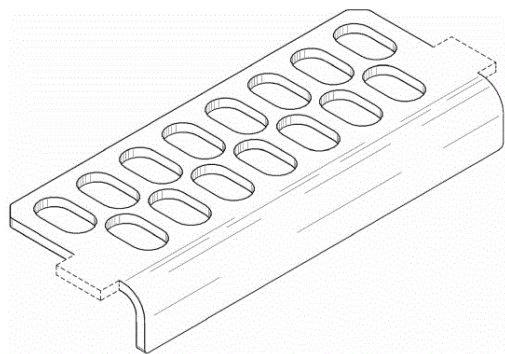
FIRST PERSPECTIVE VIEW

21: F2024/00491 22: 2024-05-24 23:
 43: 2024-12-04

21: F2024/00512 22: 2024-06-04 23:
 43: 2025-01-06
 52: Class 15 24: Part F
 71: BUSHEL PLUS LTD.

33: US 31: 29/919,470 32: 2023-12-04
54: GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

57: The design is to be applied to a grate segment for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

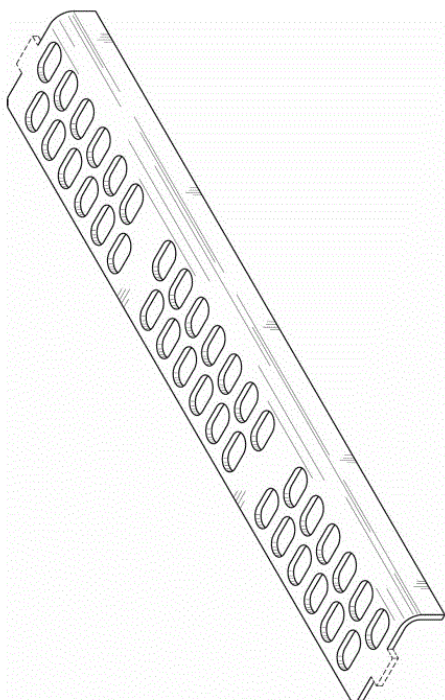


FRONT PERSPECTIVE VIEW
OF GRATE SEGMENT

21: F2024/00513 22: 2024-06-04 23:
43: 2025-01-06
52: Class 15 24: Part F
71: BUSHEL PLUS LTD.

**54: GRATE SEGMENT FOR AGRICULTURAL
COMBINE HARVESTER CONCAVES**

57: The design is to be applied to a grate segment for agricultural combine harvester concaves. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

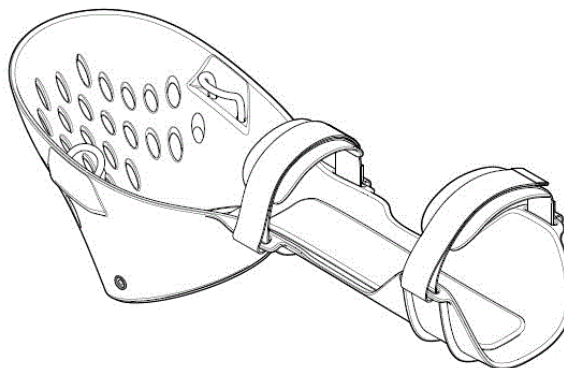


FRONT PERSPECTIVE VIEW
OF GRATE SEGMENT

21: F2024/00598 22: 2024-06-20 23:
43: 2025-01-06
52: Class 9 24: Part F
71: OESDRAG (PTY) LTD

54: WEARABLE HARVESTING AID

57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of a wearable harvesting aid, substantially as illustrated in the accompanying representations.

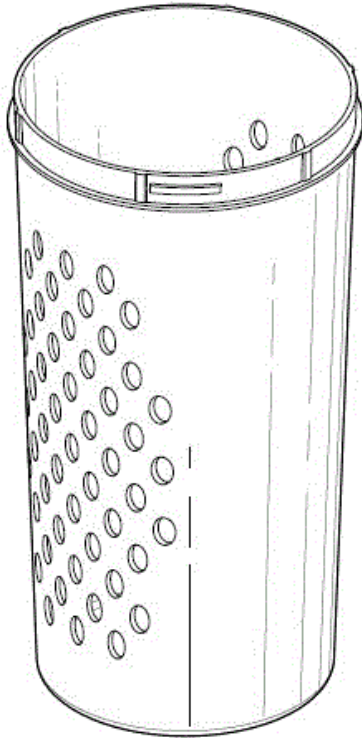


FIRST PERSPECTIVE VIEW

21: F2024/00599 22: 2024-06-20 23:
43: 2025-01-06
52: Class 9 24: Part F
71: OESDRAG (PTY) LTD

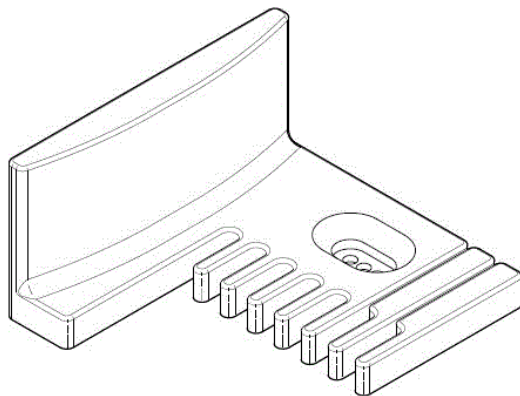
54: CONTAINER

57: The features of the design for which protection is claimed comprise the shape and/or configuration and/or pattern of a container, substantially as illustrated in the accompanying representations.



TOP PERSPECTIVE VIEW

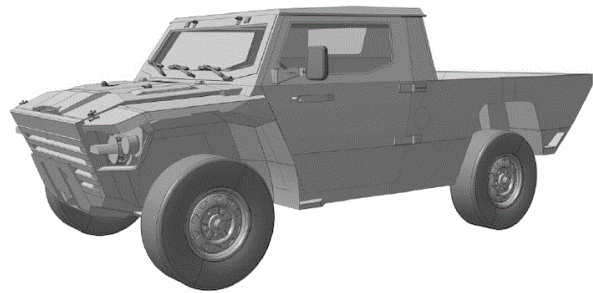
21: F2024/00621 22: 2024-06-25 23:
43: 2025-01-06
52: Class 8 24: Part F
71: GRACE HAVEN INDUSTRIES (PTY) LTD
54: GUIDE FOR A SLIDING DOOR
57: The design relates to a guide for a sliding door.
The features of the design are those of shape and/or
configuration and/or pattern.



FIRST PERSPECTIVE VIEW

21: F2024/01031 22: 2024-10-09 23:
43: 2024-12-04
52: Class 12 24: Part F
71: LEYRIKH Anatoliy Andreevich
33: RU 31: 2024503042 32: 2024-05-28
54: VEHICLE

57: The design relates to a VEHICLE. The features
of the design are those of shape and/or pattern
and/or configuration.



21: F2024/01086 22: 2024-10-17 23: 2024-05-20
43: 2024-12-04
52: Class 8 24: Part F
71: Matome Stephen Maponya
54: DOOR ACCESSORY

57: The design relates to a Door accessory. The
features of the design are those of shape and/or
pattern and/or configuration.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE 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 January 2025

Number of Advertised Patents: 749

Application Number	Patent Title	Filing Date
2009/08894	PHARMACEUTICAL COMPOSITION CONTAINING GESTAGENS AND/OR ESTROGENS AND 5-METHYL-(6S)-TETRAHYDROFOLATE	2009/12/14
2011/02599	HUMANIZED ANTIBODIES TO AMYLOID BETA	2011/04/07
2015/02923	VIDEO DECODING APPARATUS	2015/04/29
2016/04529	ETHYLENE OLIGOMERIZATION WITH MIXED LIGANDS	2016/07/04
2016/06135	PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS	2016/09/05
2016/06434	CONTAINER, NEBULIZER AND USE	2016/09/19
2017/06596	LANDING PAD FOR UNMANNED AERIAL VEHICLE DELIVERY	2017/10/02
2017/08645	CRYSTALLINE FORM OF THE COMPOUND (S)-3-{4-[5-(2-CYCLOPENTYL-6-METHOXY-PYRIDIN-4-YL)-[1,2,4]OXADIAZOL-3-YL]-2-ETHYL-6-METHYL-PHENOXY}-PROPANE-1,2-DIOL	2017/12/19
2018/01087	INTEGRATED HIGH DENSITY SERVER VAULT WITH HVAC UPS BACKUP	2018/02/16
2018/02496	JAK KINASE INHIBITOR COMPOUNDS FOR TREATMENT OF RESPIRATORY DISEASE	2018/04/16
2018/03207	MR-proADM AS MARKER FOR THE EXTRACELLULAR VOLUME STATUS OF A SUBJECT	2018/05/15
2018/04363	A MEMBRANE SEPARATION PROCESS	2018/06/28
2018/06105	CATALYST AND METHOD FOR SYNTHESIS OF AROMATIC HYDROCARBONS THROUGH DIRECT CONVERSION OF SYNTHESIS GAS	2018/09/12
2019/03756	PROCESS FOR PREPARING METHOXY METHYL PYRIDINE DICARBOXYLATE	2019/06/11

Application Number	Patent Title	Filing Date
2019/05371	MACROCYCLIC BROAD SPECTRUM ANTIBIOTICS	2019/08/14
2019/05895	KITS AND METHODS FOR PREPARING PATHOGEN-INACTIVATED PLATELET COMPOSITIONS	2019/09/06
2019/06009	PROCESS AND APPARATUS FOR ROASTING OF METAL SULFIDE CONCENTRATES AND/OR RESIDUES	2019/09/11
2019/06217	OPTICAL ACOUSTIC SENSING SYSTEM AND METHOD	2019/09/19
2019/06257	COLOUR CHANGING COMPOSITIONS	2019/09/20
2019/06327	PYRROLOPYRIMIDINE DERIVATIVES USEFUL AS INHIBITORS OF INFLUENZA VIRUS REPLICATION	2019/09/25
2019/07052	N-((HET)ARYLMETHYL)-HETEROARYL-CARBOXAMIDES COMPOUNDS AS PLASMA KALLIKREIN INHIBITORS	2019/10/25
2019/07395	COMBINATION THERAPIES FOR TREATING CANCER	2019/11/07
2019/07543	ANTIBODIES SPECIFIC FOR FLT3 AND THEIR USES	2019/11/14
2020/00873	IMPROVEMENTS TO TRUCK BODIES	2020/02/11
2020/02281	ANIMAL FEED ADDITIVES COMPRISING A POLYPEPTIDE HAVING PROTEASE ACTIVITY AND USES THEREOF	2020/05/04
2020/03408	A MICROCAPSULE FOR DETECTING AND/OR QUANTITATING AN ANALYTE IN A SAMPLE	2020/06/08
2020/05476	BIODEGRADABLE PLASTIC	2020/09/02
2020/05703	A METHOD AND APPARATUS FOR ENCODING/DECODING A POINT CLOUD REPRESENTING A 3D OBJECT	2020/09/14
2020/05818	METHODS OF TREATING CENTRAL NERVOUS SYSTEM DISORDERS VIA ADMINISTRATION OF NANOPARTICLES OF AN MTOR INHIBITOR AND AN ALBUMIN	2020/09/18
2020/05875	LFA3 VARIANTS AND COMPOSITIONS AND USES THEREOF	2020/09/22
2020/06075	GLASS CONTAINER WITH EMBOSSED INDICIA	2020/09/30

Application Number	Patent Title	Filing Date
2021/00254	HYDROCARBON SCRUBBER	2021/01/13
2021/00548	PORTABLE INSULATED FOOD CONTAINER	2021/01/26
2021/00978	COMPOSITION COMPRISING EUTECTIC MIXTURE OF BOSCALID AND A STROBILURIN FUNGICIDE	2021/02/12
2021/01276	PALLET CONTAINER	2021/02/25
2021/01290	MAGNETIC CORE AND TRANSFORMER	2021/02/25
2021/02304	NON-DAIRY DRINK WITH RICE AND PEA PROTEINS	2021/04/07
2021/02390	APPARATUS AND METHOD FOR PROCESSING AUDIOVISUAL DATA	2021/04/12
2021/02401	SEALING FOR AN INTERMITTENT AND PARTIAL ROTATING AND TRANSLATING SHAFT	2021/04/13
2021/03258	RAIN GUTTER ASSEMBLY	2021/05/13
2021/03529	FLOW DIVIDER FOR SPINNER SPREADER	2021/05/24
2021/03848	LIQUID CREAMER	2021/06/04
2021/03902	PERSONAL CARE COMPOSITIONS	2021/06/07
2021/04114	PEDICLE SCREWS	2021/06/15
2021/04202	INFANT NUTRITIONAL COMPOSITION FOR USE IN THE ENHANCEMENT OF PANCREATIC MATURATION AND INSULIN BIOSYNTHESIS	2021/06/18
2021/04422	ADVANCED GRAVITY-MOMENT-HYDRO POWER SYSTEM	2021/06/25
2021/04466	DOSE REGIMENS FOR USE OF LY3154207 IN THE TREATMENT OF DOPAMINERGIC CNS DISORDERS	2021/06/28
2021/04754	THERMALLY INHIBITED STARCH AND PROCESS FOR MAKING	2021/07/07
2021/04830	IMAGE-BASED IRRIGATION RECOMMENDATIONS	2021/07/09
2021/04874	VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A	2021/07/12
2021/05389	EFFICIENT SPATIALLY-HETEROGENEOUS AUDIO	2021/07/29

Application Number	Patent Title	Filing Date
	ELEMENTS FOR VIRTUAL REALITY	
2021/05690	COMBINATION OF SILICON AND MAGNESIUM FOR THE PREVENTION AND TREATMENT OF MUSCLE CRAMPS	2021/08/11
2021/05746	COMPOSITIONS	2021/08/04
2021/05747	COMPOSITIONS	2021/08/04
2021/05789	CHARGE-BEARING CYCLODEXTRIN POLYMERIC MATERIALS AND METHODS OF MAKING AND USING SAME	2021/08/13
2021/06053	WEAR MEMBER FOR EARTH WORKING EQUIPMENT	2021/08/23
2021/06203	RAPID DETECTION OF GENE FUSIONS	2021/08/26
2021/06245	MEDICATION DELIVERY SYSTEMS AND METHODS	2021/08/27
2021/06293	APPARATUS AND METHOD FOR PRESERVING THE AROMA OF A FERMENTABLE BEVERAGE	2021/08/30
2021/06299	ATOMISER FOR A VAPOUR PROVISION SYSTEM	2021/08/30
2021/06369	GIP/GLP1 CO-AGONIST COMPOUNDS	2021/09/01
2021/06437	COMPOUND FORM HAVING ENHANCED BIOAVAILABILITY AND FORMULATIONS THEREOF	2021/09/02
2021/06453	COMPOSITIONS, METHODS AND USES FOR INDUCING VIRAL GROWTH	2021/09/03
2021/06513	SOLAR RECEIVER	2021/09/06
2021/06518	THERAPEUTIC MICROVESICLES OF PROBIOTIC BACTERIA	2021/09/06
2021/06524	INTER-INTRA PREDICTION MODE FOR VIDEO DATA	2021/09/06
2021/06559	COMPOSITIONS OF MATTER WITH ACTIVITY TO REMOVE LIPOFUSCIN FROM RETINAL CELLS	2021/09/07
2021/06570	NEUREGULIN-4 COMPOUNDS AND METHODS OF USE	2021/09/07
2021/06737	COEFFICIENT CODING FOR TRANSFORM SKIP MODE	2021/09/10
2021/06768	TRIAMTERENE OR NOLATREXED FOR USE IN THE	2021/09/13

Application Number	Patent Title	Filing Date
	TREATMENT OF PHENYLKETONURIA	
2021/06772	FLOW SYNTHESIS PROCESS FOR THE PRODUCTION OF OSELTAMIVIR	2021/09/13
2021/06776	DYNAMIC HYBRID AUTOMATIC REPEAT REQUEST (HARQ) CODEBOOK FOR MULTI-TRANSMIT RECEIVE POINT (TRP) COMMUNICATION	2021/09/13
2021/06778	GAP CONFIGURATION FOR MULTIPLE TRANSPORT BLOCKS	2021/09/13
2021/06807	ANTIBODIES HAVING SPECIFICITY FOR BTN2 AND USES THEREOF	2021/09/14
2021/06848	2'-SUBSTITUTED-N6-SUBSTITUTED PURINE NUCLEOTIDES FOR RNA VIRUS TREATMENT	2021/09/17
2021/06997	INTERVENTION TOOL FOR USING AN ELECTROLYTIC CELL	2021/09/20
2021/07014	HANDLING DEVICE INTENDED TO TRANSPORT AN INTERVENTION TOOL FOR AN ELECTROLYTIC CELL	2021/09/20
2021/07283	COATED SUBSTRATE AND PROCESS OF PREPARATION	2021/09/28
2021/07291	METHOD AND ARRANGEMENT FOR CONTROLLING ELECTRIC CURRENT IN TETHER CABLE OF A MINING VEHICLE	2021/09/28
2021/07358	METHOD FOR TREATING ALZHEIMER'S DISEASE	2021/09/30
2021/07424	PROTECTIVE LINER FOR CRUSHER	2021/10/01
2021/07528	CONNECTING DEVICE	2021/10/06
2021/07577	SYSTEM, METHOD, OPERATOR SERVER, AND PROGRAM FOR FINANCIAL DEMAND RESPONSE PROVISION SERVICES	2021/10/08
2021/07638	VIDEO PICTURE PREDICTION METHOD AND APPARATUS	2021/10/11
2021/07661	IMPLICIT TRANSFORM SELECTION IN VIDEO CODING	2021/10/11
2021/07664	PROBABILITY INITIALIZATION FOR VIDEO CODING	2021/10/11
2021/07668	METHODS OF TREATING NON-HODGKIN	2021/10/11

Application Number	Patent Title	Filing Date
	LYMPHOMA USING 2-(2,6-DIOXOPIPERIDIN-3-YL)-4-((2-FLUORO-4-((3-MORPHOLINOAZETIDIN-1-YL)METHYL)BENZYL)AMINO)ISOINDOLINE-1,3-DIONE	
2021/07820	SELECTIVE ENRICHMENT BROTH FOR DETECTION OF ONE OR MORE PATHOGENS	2021/10/14
2021/08166	BLOCK-BASED QUANTIZED RESIDUAL DOMAIN PULSE CODE MODULATION ASSIGNMENT FOR INTRA PREDICTION MODE DERIVATION	2021/10/22
2021/08245	OPERATING MECHANISM FOR OPENING AND CLOSING AT LEAST TWO CONTACTS SIMULTANEOUSLY	2021/10/26
2021/08432	COPPER EXTRUDATE CATALYST AND APPLICATIONS FOR HYDROGENATION AND HYDROGENOLYSIS	2021/10/29
2021/08525	FURNITURE DEVICE FOR AN ITEM OF FURNITURE	2021/11/02
2021/08781	AFFINE LINEAR WEIGHTED INTRA PREDICTION IN VIDEO CODING	2021/11/08
2021/08783	PREDICTION SIGNAL FILTERING IN AFFINE LINEAR WEIGHTED INTRA PREDICTION	2021/11/08
2021/08955	FLYWHEEL ENERGY STORAGE DEVICE	2021/11/11
2021/08987	1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID HUDROCHLORIDE FORMULATIONS	2021/11/12
2021/09003	SUBSTITUTED 1-OXO-ISOINDOLINE-5-CARBOXAMIDE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH	2021/11/12
2021/09042	METHODS OF REDUCING SERUM LEVELS OF FC-CONTAINING AGENTS USING FCRN ANTAGONISTS	2021/11/15
2021/09044	SWITCH HAVING A POSITION INDICATOR	2021/11/15
2021/09165	RADIOMETRIC MEASURING DEVICE FOR DETERMINING A MASS FLOW RATE	2021/11/17
2021/09652	HELICALLY BAFFLED HEAT EXCHANGER	2021/11/26
2021/09907	PROCESSES AND INTERMEDIATES FOR THE PREPARATION OF 2-(2,6-DICHLOROPHENYL)-1-	2021/12/02

Application Number	Patent Title	Filing Date
	[(1S,3R)-3-(HYDROXYMETHYL)-5-(3-HYDROXY-3-METHYLBUTYL)-1-METHYL-3,4-DIHYDROISOQUINOLIN-2(1??)-YL]ETHENONE	
2021/09963	COMMON PREPARATION OF LIGNOCELLULOSIC FEEDSTOCK AND A PRODUCT CONTAINING CELLULOSE BUT FREE FROM LIGNIN	2021/12/03
2021/10269	CLIPPING INDICES CODING FOR ADAPTIVE LOOP FILTER IN VIDEO CODING	2021/12/10
2021/10489	METHOD FOR PRODUCING A BIOCIDES	2021/12/15
2021/10490	AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR SUB-BLOCK PARTITIONING MODE	2021/12/15
2021/10594	DC INTRA MODE PREDICTION IN VIDEO CODING	2021/12/17
2021/10599	DEVICE FOR EJECTING AMMUNITION LINKS	2021/12/17
2021/10688	PLANT PRODUCT HARVESTING MACHINE FEEDERHOUSE	2021/12/20
2021/10693	METHOD FOR CONSTRUCTING MERGE CANDIDATE MOTION INFORMATION LIST, APPARATUS, AND CODEC	2021/12/20
2021/10805	PROCESSES AND INTERMEDIATE FOR THE LARGE-SCALE PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-PYRIDIN-2-YL]-BENZAMIDE HEMISUCCINATE, AND PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-PYRIDIN-2-YL]-BENZAMIDE ACETATE	2021/12/22
2021/10869	NETWORK NODE, METHOD FOR A NETWORK NODE, USER EQUIPMENT AND METHOD FOR USER EQUIPMENT FOR NETWORK SLICE USAGE CONTROL	2021/12/23
2022/02474	CONNECTING COMPONENT	2022/02/28
2022/03264	REPELLENT COMPOSITION AND USES	2022/03/18
2022/03881	A SHOWER HEAD INSERT	2022/04/05
2022/04156	IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS	2022/04/12
2022/04421	PALLET CONTAINER	2022/04/20

Application Number	Patent Title	Filing Date
2022/04426	PALLET CONTAINER	2022/04/20
2022/05987	AEROSOL-GENERATING DEVICE FOR INDUCTIVE HEATING OF AN AEROSOL-FORMING SUBSTRATE	2022/05/30
2022/07380	QUANTIFICATION OF POLYNUCLEOTIDE ANALYTES FROM DRIED SAMPLES	2022/07/04
2022/07713	OSCILLATION MECHANISM FOR A CHAIR OR ARMCHAIR	2022/07/12
2022/08469	ROLLER CUTTING TOOL WITH IMPROVED SEALING	2022/07/28
2022/08613	METHODS FOR IMPROVING CELL VIABILITY IN A PRODUCTION BIOREACTOR	2022/08/01
2022/09076	PRODUCTION OF SOLUBLE RECOMBINANT PROTEIN	2022/08/12
2022/09187	MULTIVALENT STREPTOCOCCUS VACCINES	2022/08/16
2022/09792	METHODS FOR PREPARING TYROSINE RECEPTOR KINASE INHIBITORS	2022/09/01
2022/09984	A STABLE FOOD-GRADE MICROCAPSULE FOR THE DELIVERY OF UNSTABLE AND FOOD-INCOMPATIBLE ACTIVE INGREDIENTS TO FOOD PRODUCTS	2022/09/07
2022/10075	CRYSTAL FORM OF NITROXOLINE PRODRUG, PHARMACEUTICAL COMPOSITION CONTAINING SAME, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2022/09/09
2022/10126	A GYRATORY CRUSHER, A METHOD FOR ROTATING AN UPPER CRUSHER FRAME AND A RETROFITTING KIT	2022/09/12
2022/10213	PRISM FOR REPOINTING REFLECTOR ANTENNA MAIN BEAM	2022/09/14
2022/10359	A CASH BAG SEALING DEVICE, A CASH DEPOSITING SYSTEM AND A METHOD FOR CONTROLLING THE SAME	2022/09/19
2022/10476	CLAD 2XXX-SERIES AEROSPACE PRODUCT	2022/09/21
2022/10526	RNA CONSTRUCTS AND USES THEREOF	2022/09/22

Application Number	Patent Title	Filing Date
2022/10527	SYSTEMS AND METHODS FOR PREDICTIVE IRRIGATION SYSTEM MAINTENANCE	2022/09/22
2022/10628	ANTIBODIES BINDING IL4R AND USES THEREOF	2022/09/26
2022/10629	PHARMACEUTICAL COMPOSITION COMPRISING BENZIMIDAZOLE DERIVATIVE COMPOUND	2022/09/26
2022/10633	METHODS FOR DOSE INITIATION OF ARIPIPRAZOLE TREATMENTS	2022/09/26
2022/10700	SYSTEMS AND METHODS FOR PROCESSING RETINAL SIGNAL DATA AND IDENTIFYING CONDITIONS	2022/09/27
2022/10847	ENCODING AND DECODING METHOD AND APPARATUS, AND DEVICE THEREFOR	2022/09/30
2022/10848	DECODING, ENCODING, AND ENCODING/DECODING METHODS, APPARATUSES AND DEVICES	2022/09/30
2022/12410	INJECTION-MOLDABLE AERATOR MIXING ROD AND METHOD OF MANUFACTURING THEREOF	2022/11/14
2022/12696	SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND CYPROSULFAMIDE	2022/11/22
2022/12843	SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND CLOQUINTOCET-MEXYL	2022/11/25
2022/12844	SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND BENOXACOR	2022/11/25
2022/12918	SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND FURILAZOLE	2022/11/28
2022/12958	SELECTIVE HERBICIDES BASED ON SUBSTITUTED ISOXAZOLIN CARBOXAMIDES AND MEFENPYR-DIETHYL	2022/11/29
2022/13568	GIS-TYPE ZEOLITE	2022/12/14
2022/13772	CANOPY STRUCTURE FOR TRUCK BODY	2022/12/20
2023/00829	MAGNETIC ADAPTOR FOR MACHINE MONITORING DEVICE	2023/01/18

Application Number	Patent Title	Filing Date
2023/03807	A MAGNETIC SENSOR	2023/03/24
2023/04297	DUAL PRESSURE PLANT FOR THE PRODUCTION OF NITRIC ACID AND METHOD FOR OPERATING SAME	2023/04/11
2023/04921	SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS	2023/05/02
2023/05001	DEVICE FOR GENERATING A JET OF TWO-PHASE FLUID	2023/05/05
2023/05017	SYSTEM FOR EMBRYO TRANSFER	2023/05/05
2023/05694	ELECTRONIC DEVICE COMPRISING ANTENNA	2023/05/26
2023/05793	A METHOD OF EVALUATING CIRCUIT PROTECTION OF A POWER NETWORK	2023/05/30
2023/06242	NOVEL FORMULATION FOR ORAL ADMINISTRATION, COMPRISING 1-(5-(2,4-DIFLUOROPHENYL)-1-((3-FLUOROPHENYL)SULFONYL)-4-METHOXY-1H-PYRROL-3-YL)-N-METHYLMETHANAMINE	2023/06/14
2023/06332	TARGET RESIDUAL MOISTURE CONTENT FOR LYOPHILIZED DRUG PRODUCT	2023/06/19
2023/06399	LOW COMPLEXITY HISTORY USAGE FOR RICE PARAMETER DERIVATION FOR HIGH BIT-DEPTH VIDEO CODING	2023/06/20
2023/06403	PROCESS FOR PRODUCING A NON-FLAT ARTICLE	2023/06/20
2023/06409	PERCOLATING CONTAINER	2023/06/20
2023/06695	BUCKET WHEEL CHUTE ASSEMBLY	2023/06/29
2023/07000	COMPOSITION	2023/07/11
2023/07165	GENOMIC DELETION IN AFRICAN SWINE FEVER VACCINE ALLOWING EFFICIENT GROWTH IN STABLE CELL LINES	2023/07/17
2023/07946	PRIMER-PROBE COMPOSITION, KIT, AND DETECTION METHOD	2023/08/16
2023/07959	ACCESS AND MOBILITY POLICY CONTROL	2023/08/16
2023/08417	SOLAR POWER GENERATION SYSTEM AND REFLECTOR FOR SOLAR POWER GENERATION	2023/08/31

Application Number	Patent Title	Filing Date
	SYSTEM	
2023/08464	RESIDUAL AND COEFFICIENTS CODING FOR VIDEO CODING	2023/09/01
2023/08465	ELECTRONIC DEVICE FOR APPLYING DIRECTIONALITY TO AUDIO SIGNAL, AND METHOD THEREFOR	2023/09/01
2023/08495	PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS	2023/09/04
2023/08496	PHARMACEUTICAL COMPOSITIONS OF THERAPEUTICALLY ACTIVE COMPOUNDS	2023/09/04
2023/08507	DRIVER EVALUATION DEVICE AND DRIVER EVALUATION SYSTEM	2023/09/04
2023/08508	ELECTRONIC DEVICE COMPRISING FOLDABLE FLEXIBLE PLATE	2023/09/04
2023/08539	STORAGE AND PRODUCTION OF DIHYDROGEN BY A SUSPENSION OF METAL HYDRIDE PARTICLES IN LIQUID ALKALI METAL ALLOYS	2023/09/05
2023/08568	METHOD AND USE OF AN ENANTIOMER OF 3,4-DIHYDROXYPHENYLALANINE (DOPA) FOR ENHANCING PLANT ATTRACTIVENESS TO BENEFICIAL INSECTS	2023/09/06
2023/08572	COSMETIC SKIN CARE COMPOSITION	2023/09/06
2023/08599	ELECTRONIC DEVICE COMPRISING SPEAKER STRUCTURE	2023/09/07
2023/08600	METHODS AND PHARMACEUTICAL COMPOSITION FOR TREATING DISEASES	2023/09/07
2023/08633	LINKAGE FOR ARM ASSEMBLY WITH REDUCED WELD FATIGUE	2023/09/08
2023/08684	GROUSER PIN PRESS	2023/09/11
2023/08720	OPTICAL REACTION WELL FOR ASSAY DEVICE	2023/09/13
2023/08741	LIQUID DISINFECTANT COMPOSITION AND USE THEREOF	2023/09/13
2023/08756	DECODING AUDIO BITSTREAMS WITH ENHANCED	2023/09/14

Application Number	Patent Title	Filing Date
	SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT	
2023/08769	FOLDABLE ELECTRONIC DEVICE COMPRISING ANTENNA	2023/09/14
2023/08802	SCREW CONVEYOR	2023/09/15
2023/08822	SIDE SPAN CLOSING DEVICE OF CONTINUOUS BEAM	2023/09/18
2023/08823	GANTRY CRANE	2023/09/18
2023/08824	BRIDGE MOUNTING AND POSITIONING METHOD	2023/09/18
2023/08825	COFFERDAM-FREE HYDRAULIC-FILL CONSTRUCTION METHOD FOR ARTIFICIAL ISLAND	2023/09/18
2023/08826	TREPANNING DEVICE FOR ROAD CONSTRUCTION BLASTING	2023/09/18
2023/08827	FOUNDATION PIT SUPPORTING AND ANCHORING DEVICE	2023/09/18
2023/08828	CONCRETE POURING DEVICE	2023/09/18
2023/08829	HIGH-FORMWORK MONITORING SYSTEM AND METHOD	2023/09/18
2023/08830	FLEXIBLE CLOSED SLIDING AND GUIDING DEVICE FOR BRIDGE SIDE SPAN CLOSURE	2023/09/18
2023/08831	GLASS CURTAIN WALL	2023/09/18
2023/08832	AIRPORT LIGHTING SIMULATION ANALYSIS METHOD	2023/09/18
2023/08833	TRANSPORTATION METHOD OF BRIDGE ERECTING MACHINE	2023/09/18
2023/08834	STEEL STRUCTURE PAINT SPRAYING DEVICE	2023/09/18
2023/08861	AROMATIC COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF	2023/09/19
2023/08868	SYSTEM AND METHOD FOR COOLING A FREQUENCY INVERTER	2023/09/19
2023/08869	REFUELING NOZZLE	2023/09/19

Application Number	Patent Title	Filing Date
2023/08870	CYCLOPROPANE ANALOGUES OF N-(TRANS-4-HYDROXYCYCLOHEXYL)-6-PHENYLHEXANAMIDE AND RELATED COMPOUNDS	2023/09/19
2023/08877	CONFORMATIONAL CONSTRAINED SOMATOSTATIN RECEPTOR 3 PEPTIDE LIGANDS AND THEIR CONJUGATES AND USES THEREOF	2023/09/19
2023/08911	SYSTEMS AND METHODS FOR SMART FARMING	2023/09/20
2023/08912	ANTIMICROBIAL COMPOSITION OF CARBOXYLIC ACIDS WITH ALDEHYDE AND ANTIOXIDANTS COMBINATION	2023/09/20
2023/08913	MELATONIN COMPOSITION WITH METALS AND A METHOD FOR ENHANCING ENZYMATIC REACTIONS AND METABOLIC PATHWAYS IN PLANTS	2023/09/20
2023/08914	AGRICULTURAL COMPOSITION COMPRISING MELATONIN AND CARBOXYLIC COMPOUNDS FOR ENHANCING ANTIOXIDANT PROPERTY TO INCREASE CROP YIELD	2023/09/20
2023/08953	SYSTEMS, METHODS, AND APPARATUSES FOR REAL-TIME CHARACTERIZATION OF ROCK CUTTINGS DURING ROCK DRILL CUTTING	2023/09/21
2023/09011	ELECTRONIC DEVICE AND OPERATION METHOD THEREFOR	2023/09/22
2023/09012	DISPLAY STRUCTURE COMPRISING DIELECTRIC LAYER AND ELECTRONIC APPARATUS COMPRISING SAME	2023/09/22
2023/09036	METHOD FOR AND APPARATUS FOR DECODING AN AMBISONICS AUDIO SOUNDFIELD REPRESENTATION FOR AUDIO PLAYBACK USING 2D SETUPS	2023/09/26
2023/09050	COMPOSITION FOR PROMOTING PLANTS GROWTH AND/OR FOR PROTECTING PLANTS AGAINST AT LEAST ONE PLANT PEST AND/OR ONE PLANT DISEASE	2023/09/26
2023/09117	ELECTRONIC DEVICE COMPRISING CAMERA MODULE	2023/09/27
2023/09120	COMPOSITIONS AND METHODS FOR THE	2023/09/27

Application Number	Patent Title	Filing Date
	TREATMENT OF ALOPECIA	
2023/09123	HYDROFORMYLATION PROCESSES	2023/09/27
2023/09155	USEFUL HYDROCARBON PRODUCTION METHOD AND USEFUL HYDROCARBON PRODUCTION DEVICE	2023/09/28
2023/09180	METHOD AND DEVICE FOR CONTINUOUS MONITORING AND IMPROVED AUTOMATIC CONTROL OF TEMPERATURE, AND OF AERATION-OXYGENATION, OF THE PROCESS OF ALCOHOLIC FERMENTATION IN WINE BY MEANS OF ACOUSTIC EMISSION TECHNIQUES	2023/09/29
2023/09182	ROBOT ARM AND ARTICULATED ROBOT ARM	2023/09/29
2023/09183	DEVICE FOR CONNECTING AN IMPLANTABLE HEART PROSTHESIS TO THE VASCULAR SYSTEM OF A PATIENT, AND HEART PROSTHESIS PROVIDED WITH SUCH A CONNECTING DEVICE	2023/09/29
2023/09185	APTAMERS FOR USE IN THE TREATMENT OF CORONAVIRIDAE INFECTIONS	2023/09/29
2023/10887	IN-LOOP FILTER-BASED IMAGE ENCODING/DECODING METHOD AND APPARATUS	2023/11/24
2023/11574	COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD	2023/12/18
2023/11575	COOLING SYSTEM OF BATTERY PACK AND ITS MANUFACTURING METHOD	2023/12/18
2023/11578	STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD	2023/12/18
2023/11580	STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD	2023/12/18
2023/11581	STEEL SHEET FOR TOP COVER OF BATTERY PACK AND ITS MANUFACTURING METHOD	2023/12/18
2024/00574	WATER-SAVING CORN CULTIVATION METHOD USING UNDER-FILM DRIP IRRIGATION	2024/01/17
2024/01329	AN ELECTRODE BODY OF AN ELECTRODE FOR THE ELECTROLYTIC PRODUCTION OF A METAL	2024/02/13

Application Number	Patent Title	Filing Date
2024/02015	METHOD FOR PREPARING PHOSPHORUS PENTAFLUORIDE	2024/03/11
2024/02019	PURIFICATION METHOD AND SYSTEM OF ELECTRONIC-GRADE LITHIUM HEXAFLUOROPHOSPHATE	2024/03/11
2024/02178	3CLPRO PROTEASE INHIBITOR	2024/03/18
2024/02329	INTELLIGENT TOXIC AND HARMFUL GAS ALARM SYSTEM FOR NITRIC ACID PREPARATION	2024/03/22
2024/02539	A SYSTEM AND METHOD FOR TRANSPORTING THE NON-BIODEGRADABLE PRODUCTS TO LUNAR SURFACE	2024/04/02
2024/02592	SIMULATION DRIVING CALIBRATION SYSTEM FOR UNMANNED SHIP	2024/04/03
2024/02816	ARTEMISIA CARVIFOLIA RESIDUE FERMENTED FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF LAYING HENS AND PREPARATION METHOD THEREOF	2024/04/11
2024/02842	EMBRYO GRAFTING METHOD FOR CITRUS HYBRID SEEDS	2024/04/12
2024/02861	PREPARATION METHOD OF BACILLUS AMYLOLIQUEFACIENS POWDER	2024/04/12
2024/02911	RAZOR	2024/04/15
2024/02925	A NANO EMULSIFIED PHYTO-DRUG FOR TRANSDERMAL TREATMENT OF DIABETES	2024/04/16
2024/02973	A DUST REDUCTION DEVICE FOR CONSTRUCTION	2024/04/17
2024/02976	MOBILE ROBOT REALIZING ACTIVE OBSTACLE AVOIDANCE	2024/04/17
2024/02978	DEVICE FOR DETECTING WATER CONTENT IN SOIL	2024/04/17
2024/02999	A STRAW-BASED WPC FLOORBOARD AND ITS FABRICATION PROCESS	2024/04/18
2024/03004	COMPREHENSIVE QUALITY MANAGEMENT SYSTEM AND METHOD FOR UNIVERSITY STUDENTS BASED ON BIG DATA ANALYSIS	2024/04/18

Application Number	Patent Title	Filing Date
2024/03010	METHOD FOR PROMOTING EFFICIENT REPLACEMENT AND HOMOGENIZATION OF CHLAMYDOMONAS CHLOROPLAST GENOME	2024/04/18
2024/03022	GIS-TYPE ZEOLITE, ADSORBENT, AND SEPARATION METHOD	2024/04/18
2024/03037	SOIL DETECTION DEVICE	2024/04/18
2024/03038	MOBILE ROBOT REALIZING AUTOMATIC CONTROL	2024/04/18
2024/03043	EFFICIENT AND SAFE GOLD MINE EXPLORATION METHOD AND SYSTEM	2024/04/19
2024/03064	ALUMINUM FOIL LIDDING AND METHOD OF MAKING THE SAME	2024/04/19
2024/03084	APPARATUS FOR SERVICING A STRUCTURE	2024/04/19
2024/03087	DAMPING ASSEMBLY FOR WIND TURBINES	2024/04/19
2024/03104	PHARMACEUTICAL FORMULATION COMPRISING TACROLIMUS, METHOD FOR THE PREPARATION THEREOF AND USE	2024/04/22
2024/03105	SYSTEMS AND METHODS FOR PRODUCING HEMP EXTRACTS AND COMPOSITIONS	2024/04/22
2024/03106	METHODS OF TREATING ENDOMETRIOSIS AND OTHER NON-CANCER GYNECOLOGICAL	2024/04/22
2024/03108	A METHOD OF ADJUSTING OXOACIDITY	2024/04/22
2024/03124	MICA ANTIBODY WITH AFFINITY MATURATION AND USE THEREOF	2024/04/23
2024/03131	A PANDA BEHAVIOR RECOGNITION SYSTEM INTEGRATING OCCLUSION FACTORS AND TOPOLOGICAL RELATIONS	2024/04/23
2024/03133	A HIGH-ENTROPY YIG FERRITE WITH HIGH SATURATION MAGNETIZATION AND ITS PREPARATION METHOD	2024/04/23
2024/03168	SEPARATION DEVICE OF MICRO-REACTION APPARATUS	2024/04/24
2024/03169	MICRO-REACTION EQUIPMENT	2024/04/24

Application Number	Patent Title	Filing Date
2024/03172	INTERCHANGEABLE TOOL BIT HOLDER	2024/04/24
2024/03188	A METHOD OF CAPTURING CRISPR ENDONUCLEASE CLEAVAGE PRODUCTS	2024/04/24
2024/03192	METHOD FOR MANUFACTURING EXHAUST GAS PURIFICATION CATALYST DEVICE	2024/04/24
2024/03201	METHOD FOR GROWING YAG LASER CRYSTALS BY USING LARGE-INTERFACE SEED CRYSTALS IN PLANAR INTERFACE	2024/04/25
2024/03203	COOLANT RESERVOIR AND COOLANT RESERVOIR FILLING SYSTEM	2024/04/25
2024/03240	AN ANALYSIS METHOD FOR THE EFFECT OF SUPPLEMENTARY IRRIGATION ON THE MICROBIAL STATUS OF WHEAT FIELD UNDER RIDGE-FURROW MULCHING SYSTEM	2024/04/26
2024/03241	ROCK BOLT WITH INFORMATION DISPLAY REGION	2024/04/26
2024/03244	A VALVE MECHANISM FOR A TAP	2024/04/26
2024/03246	MANAGEMENT SYSTEM FOR STANDARDIZATION OF CLINICAL MEDICAL TREATMENT TRAINING	2024/04/26
2024/03247	DEVICE FOR PLANTING EDIBLE FUNGI	2024/04/26
2024/03250	METHOD FOR CONSTRUCTING DEEP LEARNING BASED PREDICTION MODEL OF CEMENT CLINKER PERFORMANCE AND USE THEREOF	2024/04/26
2024/03271	POLYGLYCOSYLATED RUTIN DERIVATIVES FOR REDUCING FACIAL SKIN REACTIONS	2024/04/26
2024/03273	ANTI-LAG3 BISPECIFIC ANTIBODY, PHARMACEUTICAL COMPOSITION AND USE	2024/04/26
2024/03291	DRUG LIQUID MIXING DEVICE FOR SEWAGE TREATMENT	2024/04/26
2024/03307	VISIBLE LIGHT ENHANCEMENT FILM	2024/04/29
2024/03315	A METHOD AND SYSTEM TO SEGMENT THE POINT CLOUDS OF WHEAT SPIKE BASED ON DEEP LEARNING AND GEOMETRIC CORRECTION	2024/04/29
2024/03338	DEVICE FOR COLLECTING AND COMPACTING	2024/04/29

Application Number	Patent Title	Filing Date
	WASTE	
2024/03348	AR-BASED MEDICAL ENGLISH LISTENING AND SPEAKING TEACHING SYSTEM AND METHOD	2024/04/30
2024/03354	REMOTE SENSING DEVICE APPLIED TO IDENTIFYING ANCIENT TREES	2024/04/30
2024/03361	SYSTEM, METHOD AND APPARATUS FOR FILTER AND OVERHANG PLUGGING DETECTION	2024/04/30
2024/03364	APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING MODIFICATION DATA ON A POTENTIALLY MODIFYING OBJECT	2024/04/30
2024/03388	SMALL MOLECULES FOR TREATMENT OF CANCER	2024/04/30
2024/03411	SUSTAINED RELEASE INJECTABLE PHARMACEUTICAL FORMULATION OF LEVOTHYROXINE AND PROCESS FOR PREPARATION THEREOF	2024/05/02
2024/03420	HIGH-STRENGTH AND HIGH-HARDNESS REINFORCED WEAR-RESISTANT STEEL AND MANUFACTURING METHOD THEREFOR	2024/05/02
2024/03437	APPARATUS AND METHOD FOR MAINTAINING GAS PRESSURE IN AN ELECTROLYZER USING AN ELECTRIC GENERATOR CONFIGURED TO CAPTURE KINETIC ENERGY OF ELECTROLYSIS PRODUCTS	2024/05/03
2024/03439	SURGE ARRESTER INCLUDING A DISCONNECTOR AND RELATED EXTINGUISHING/DEIONIZATION CHAMBER	2024/05/03
2024/03449	METHOD AND SYSTEM FOR QUERYING FOREST AND GRASS RESOURCES DATA WITH QUICK SPATIAL POSITIONING	2024/05/06
2024/03481	APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING VARIANCE OR COVARIANCE DATA	2024/05/07
2024/03482	EARLY REFLECTION CONCEPT FOR AURALIZATION	2024/05/07
2024/03483	CONCEPTS FOR AURALIZATION USING EARLY	2024/05/07

Application Number	Patent Title	Filing Date
	REFLECTION PATTERNS	
2024/03485	EARLY REFLECTION PATTERN GENERATION CONCEPT FOR AURALIZATION	2024/05/07
2024/03487	RENDERERS, DECODERS, ENCODERS, METHODS AND BITSTREAMS USING SPATIALLY EXTENDED SOUND SOURCES	2024/05/07
2024/03513	LATE REVERBERATION DISTANCE ATTENUATION	2024/05/07
2024/03520	FLUE GAS PURIFICATION DEVICE	2024/05/08
2024/03521	AN OPTIMAL DESIGN METHOD AND SYSTEM FOR QUASI-OPTICAL MODE CONVERTER	2024/05/08
2024/03524	HEAT DISSIPATION POWER DISTRIBUTION CABINET	2024/05/08
2024/03543	A FILTER PLATE SHIFTING DEVICE FOR A HORIZONTAL FILTER PRESS	2024/05/08
2024/03546	A MULTIMEDIA TEACHING RESOURCE GENERATOR FOR INTEGRATED TEACHING IN COLLEGES	2024/05/08
2024/03552	SOUND PROCESSING APPARATUS, DECODER, ENCODER, BITSTREAM AND CORRESPONDING METHODS	2024/05/08
2024/03580	PACKAGING MATERIAL MADE OF UNBLEACHED KRAFT PAPER, SLEEVE PRODUCED THEREFROM, AND METHOD FOR MANUFACTURING SAME	2024/05/09
2024/03604	PERSONAL DOSE MANAGEMENT SYSTEM FOR NUCLEAR POWER PLANT	2024/05/10
2024/03605	CUTTING DEVICE FOR FOREIGN OBJECT BETWEEN HEAT TRANSFER PIPES ON SECONDARY SIDE OF STEAM GENERATOR IN NUCLEAR POWER PLANT	2024/05/10
2024/03606	METHOD FOR BLINDLY MEASURING COAXIALITY OF UNDERWATER DEEP HOLE CHANNEL OF HEAVY WATER REACTOR	2024/05/10
2024/03646	COIN SORTING MACHINE	2024/05/13
2024/03653	A VARIABLE-FOCUS MICROLENS ARRAY BASED ON PIEZOELECTRIC CERAMICS AND ITS PREPARATION METHOD	2024/05/13

Application Number	Patent Title	Filing Date
2024/03655	LOW DENSITY AND HIGH STRENGTH SHALE GAS WELL CEMENTING SLURRY	2024/05/13
2024/03664	KIND OF TRADITIONAL CHINESE MEDICINE POWDER FOR TREATING FATTY LIVER	2024/05/13
2024/03665	PERFORMANCE DETECTION DEVICE AND METHOD FOR GAS-LOCK VALVE	2024/05/13
2024/03667	THE LAWNMOWER SYSTEM AND MOWING METHOD BASED ON SOLAR POLARIZED LIGHT POSITIONING	2024/05/13
2024/03669	A 3D PRINTED BIODEGRADABLE AURICLE FIXING DEVICE	2024/05/13
2024/03675	TRAJECTORY PLANNING METHOD BASED ON PSO WITH PARAMETERS DECREASED NONLINEARLY AND HYBRID POPULATIONS	2024/05/13
2024/03676	A CULTIVATION METHOD FOR DELAYED GRAPE RIPENING	2024/05/13
2024/03684	METHOD OF CUTTING TOP AND UNLOADING PRESSURE IN COAL SEAM WORKING FACE	2024/05/13
2024/03687	A FOOD ANTIOXIDANT TREATMENT DEVICE BASED ON POLYPHENOLIC SUBSTANCES	2024/05/13
2024/03688	A WATER PURIFIER BASED ON RICE STRAW ACTIVATED CARBON AND ITS USAGE METHOD	2024/05/13
2024/03696	AN IMPROVED METHOD OF MANUFACTURING A FLEXIBLE CONTAINER	2024/05/13
2024/03712	BULLETPROOF PILLOW	2024/05/14
2024/03713	AN INTELLIGENT MONITORING DEVICE FOR PUBLIC CULTURAL VENUES	2024/05/14
2024/03717	A VIRTUAL SIMULATION COMPUTER EXPERIMENT TEACHING PLATFORM	2024/05/14
2024/03718	METHOD FOR IMPROVING SOIL ACIDITY BY ACCURATELY APPLYING LIME SUBSTANCES	2024/05/14
2024/03719	LIVESTOCK IDENTIFICATION AND TRACEABILITY SYSTEM	2024/05/14
2024/03735	MULTI-FUNCTIONAL U-SHAPED ANTI-DECUBITUS	2024/05/15

Application Number	Patent Title	Filing Date
	AIR CUSHION	
2024/03736	MACHINING POSITIONING DEVICE	2024/05/15
2024/03741	A COMPUTER SECURITY CONTROLLER BASED ON BIG DATA	2024/05/15
2024/03742	INTELLIGENT RECOGNITION METHOD FOR ROCK FORMATION BASED ON VIBRATION SIGNALS WHILE DRILLING UNDER STRONG NOISE	2024/05/15
2024/03743	A COMPUTER SOFTWARE ENGINEERING TEST CONTENT DISPLAY DEVICE	2024/05/15
2024/03761	MEDICINAL COMPOSITION COMPRISING RIBOSE AND AMINO ACIDS	2024/05/15
2024/03771	METHOD AND DEVICE FOR BLINDLY MEASURING INNER HOLE OF UNDERWATER VERTICAL DEEP HOLE CHANNEL OF HEAVY WATER REACTOR	2024/05/16
2024/03772	OPTICAL FIBER-BASED CORROSION MONITORING METHOD AND DEVICE FOR CHILLED WATER PIPELINE UNDER THERMAL INSULATION LAYER	2024/05/16
2024/03774	A SPEECH DATA PRIVACY PROTECTION METHOD BASED ON MULTIPLE ATTENTION MECHANISM ADVERSARIAL SAMPLES	2024/05/16
2024/03775	A CLOUD DATA PROTECTION METHOD BASED ON DISTRIBUTED REDUNDANT BACKUP MECHANISM STORAGE	2024/05/16
2024/03776	A COMPUTER COLOR MATCHING METHOD BASED ON IMPROVED ELMAN NEURAL NETWORK	2024/05/16
2024/03777	AN INTELLIGENT DEDUCTIVE ANTI-CRAWLER DESIGN MODEL BASED ON MARKOV DECISION-MAKING PROCESS	2024/05/16
2024/03778	A METHOD FOR IDENTIFYING MALICIOUS SPAM COMMENT ATTACKS BASED ON NATURAL LANGUAGE PROCESSING	2024/05/16
2024/03781	VEGETABLE PROCESSING DEVICE CONVENIENT FOR VEGETABLE DEHYDRATION	2024/05/16
2024/03782	ADJUSTABLE DYNAMIC BATH TUB	2024/05/16

Application Number	Patent Title	Filing Date
2024/03783	PHOTOVOLTAIC MODULE RECOVERY APPARATUS	2024/05/16
2024/03785	A GUIDE HANDCART AND GUIDE METHODS	2024/05/16
2024/03786	SURFACE TREATMENT PROCESS FOR SEAMLESS STEEL PIPES	2024/05/16
2024/03787	STEEL PIPE OUT-OF-ROUNDNESS MEASUREMENT DEVICE AND METHOD	2024/05/16
2024/03788	PRESSURE TESTING DEVICE FOR STEEL PIPE PRODUCTION	2024/05/16
2024/03790	HEALTH DATA MANAGEMENT METHOD	2024/05/16
2024/03791	CONCRETE ADDITIVE AND ITS PREPARATION METHOD AND APPLICATION	2024/05/16
2024/03792	A KIND OF FIXER FOR LIVESTOCK AND VETERINARY LIVESTOCK INFUSION	2024/05/16
2024/03793	A METHOD FOR PREDICTING THE HEIGHT OF A HYDRAULIC FRACTURE ZONE	2024/05/16
2024/03794	A METHOD FOR UNDERGROUND COAL MINE WORKING FACE OVER ENTRAPMENT GANGUE	2024/05/16
2024/03828	METHOD FOR ESTABLISHING EFFICIENT RAPID PROPAGATION SYSTEM OF M. 'BAIYUN' STEM SEGMENT	2024/05/17
2024/03829	TURNING DRUM ASSEMBLY CAPABLE OF SYNCHRONOUSLY REALIZING TURNING AND CRUSHING FUNCTIONS	2024/05/17
2024/03830	SOLID WASTE-BASED COMPOSITE INSULATION MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF	2024/05/17
2024/03831	MODIFIED WASTE BRICK RECYCLED AGGREGATE, PREPARATION METHOD THEREOF, RECYCLED AGGREGATE PERMEABLE BRICK, AND RECYCLED AGGREGATE CONCRETE BLOCK	2024/05/17
2024/03832	CONNECTING STRUCTURE FOR PRECAST FACADE PANEL AND FABRICATED STEEL FRAME BEAM	2024/05/17
2024/03833	CONNECTING JOINT FOR FULLY FABRICATED COAL GANGUE CONCRETE COLUMN AND STEEL BEAM	2024/05/17

Application Number	Patent Title	Filing Date
2024/03834	MULTI-POINT RECEIVING DEVICE FOR BULK MATERIALS MATCHED WITH BELT CONVEYOR	2024/05/17
2024/03835	A GEOGRAPHIC INFORMATION COLLECTION AND SURVEYING DEVICE	2024/05/17
2024/03836	A KIND OF PIG FEEDING TROUGH FOR LIVESTOCK BREEDING WHICH IS EASY TO CLEAN	2024/05/17
2024/03840	METHOD FOR HEALTH DATA MANAGEMENT THROUGH SUPERCONDUCTING NEUROMORPHIC PROCESSORS	2024/05/17
2024/03865	PROCESSING METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM	2024/05/17
2024/03866	DATA TRANSMISSION METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM	2024/05/17
2024/03874	A METHOD FOR DETERMINING MEMBERSHIP FUNCTION	2024/05/17
2024/03875	EVALUATION METHOD OF ULTRAFINE GRINDING PRODUCTS BASED ON FUZZY COMPREHENSIVE EVALUATION	2024/05/17
2024/03876	ON-LINE MULTIFUNCTIONAL QUALITY MONITORING METHOD AND SYSTEM FOR CASTING PROCESS OF FUSED REFRACTORY	2024/05/20
2024/03877	BUILDING BIM MODULE MANAGEMENT SYSTEM BASED ON NEURAL NETWORK	2024/05/20
2024/03878	TELESCOPIC TRUSS PLUG-IN BELT CONVEYOR	2024/05/20
2024/03917	PROXIMITY DETECTION SYSTEM CAP LAMP	2024/05/21
2024/03918	CALCULATION METHOD OF ENERGY LOSS COEFFICIENT OF ASME ORIFICE PLATE	2024/05/21
2024/03920	CLAMPING DEVICE FOR RARE EARTH SINTERING BOX	2024/05/21
2024/03921	BLOCKCHAIN-BASED SECURITY SERVICE NEGOTIATION MECHANISM AND METHOD BETWEEN SDN DOMAINS	2024/05/21
2024/03922	A PREPARATION METHOD FOR BIMETALLIC SELENIDE/THREE-DIMENSIONAL CARBON	2024/05/21

Application Number	Patent Title	Filing Date
	COMPOSITES AND APPLICATION THEREOF	
2024/03926	METHOD FOR MEASURING SOIL MOISTURE BASED ON SMART TERMINAL	2024/05/21
2024/03927	DETECTION SYSTEM OF RIVER BOUNDARY BASED ON GNSS BI-SAR	2024/05/21
2024/03928	ACQUISITION METHOD AND DEVICE FOR THE INITIAL PHASE OF GNSS REFLECTED SIGNAL	2024/05/21
2024/03931	A LIGHTWEIGHT CONSTRUCTION ELEMENT	2024/05/21
2024/03948	A SECOND-GENERATION B1-CLASS MEDIUM AND HIGH VOLTAGE CABLE FOR URBAN PUBLIC FACILITIES AND A MANUFACTURING METHOD THEREOF	2024/05/21
2024/03956	METHOD FOR CONSTRUCTING MOFS ARTIFICIAL INTERFACE LAYER ON AZIB ANODE	2024/05/22
2024/03957	AIRBORNE WATER QUALITY SAMPLING AND FIXED DEPTH SEDIMENT SAMPLING METHOD FOR UNMANNED AERIAL VEHICLE	2024/05/22
2024/03958	METHOD FOR PREPARING H ₂ S BY DECOMPOSING ACID WASTE NEUTRALIZATION SLAG	2024/05/22
2024/03959	METHOD AND SYSTEM FOR VIRTUALLY COUPLED TRAIN SET CONTROL	2024/05/22
2024/03962	AN ECO-FRIENDLY ELECTRONIC INFORMATION IDENTIFICATION DEVICE	2024/05/22
2024/03963	STEEL-GFRP STRIPS-UHPC LIGHTWEIGHT COMPOSITE BRIDGE STRUCTURE	2024/05/22
2024/03964	AN ELECTRONIC INFORMATION RECEIVER WITH EASY WIRING INSTALLATION	2024/05/22
2024/03965	AN AUXILIARY DEVICE FOR BONE TUMOR BIOPSY PUNCTURE	2024/05/22
2024/03966	A METHOD AND SYSTEM FOR PHASE-LOCKED AND POWER ADJUSTMENT CONTROL IN AN INDUCTION HEATING POWER SUPPLY	2024/05/22
2024/03970	INFORMATIONALIZED SAFETY APPLICATION DEVICE FOR COMPUTER	2024/05/22

Application Number	Patent Title	Filing Date
2024/03979	DETONATOR ASSEMBLY PLACEMENT	2024/05/22
2024/03980	MIXING DEVICE FOR MIXING AT LEAST ANODE EXHAUST GAS AND CATHODE EXHAUST GAS FROM A FUEL CELL STACK OF A FUEL CELL SYSTEM	2024/05/22
2024/03984	INTELLIGENT SMOKE ALARM CIRCUIT	2024/05/22
2024/04012	TOUGHENED CEMENT FOR SHALE GAS WELL WITH HIGH TEMPERATURE AND PRESSURE RESISTANCE AND PREPARATION METHOD THEREOF	2024/05/23
2024/04013	METHOD FOR REPAIRING HEAVY METAL-CONTAMINATED SOIL AND INCREASING FERTILITY BY SPRAYING AND LEACHING WITH ALCOHOL WASTE MASH	2024/05/23
2024/04014	A HELMET WITH ADJUSTABLE AIR SUPPLY	2024/05/23
2024/04015	TRANSGENIC METHOD OF BLATTARIA INSECTS	2024/05/23
2024/04016	AN ANALYTICAL DEVICE BASED ON DEEP LEARNING	2024/05/23
2024/04017	ADAPTIVE CONTROL HIGH TEMPERATURE TEST METHOD FOR TURBINE DISCS	2024/05/23
2024/04018	OMNI-DIRECTIONAL HIGH-RELIABILITY COMMUNICATION OF UNMANNED AERIAL VEHICLES BY USING THREE-DIMENSIONAL LDPC CODES	2024/05/23
2024/04019	NEW TYPE OF HIGH CALORIFIC VALUE FECAL AND BIOMASS HYDROGEN PRODUCTION DEVICE	2024/05/23
2024/04020	AN ENTERPRISE MANAGEMENT PERFORMANCE EVALUATION METHOD BASED ON FUZZY COMPREHENSIVE EVALUATION	2024/05/23
2024/04022	A STEAM FIXATION AND STAINING DEVICE FOR CHROMOSOME SLIDES USED IN THE FIXATION AND STAINING OF CHROMOSOMES	2024/05/23
2024/04027	AN OCCLUSAL DEVICE FOR GASTROSCOPY WITH THE FUNCTION OF SALIVA CONTAINMENT	2024/05/23
2024/04028	A KIND OF ANTIMICROBIAL MULTI-LIGHT SOURCE MEAT INSPECTION TEST BENCH	2024/05/23
2024/04029	NOVEL FORMULATION OF AN ALMOND HULL-BASED	2024/05/23

Application Number	Patent Title	Filing Date
	TOPICAL EXTRACT COMBINED WITH HERBS IN TREATING SKIN-RELATED FUNGAL INFECTIONS, PSORIASIS, ECZEMA, AND ALOPECIA ARETA	
2024/04048	MUTUAL AUTHENTICATION SYSTEM AND METHOD	2024/05/23
2024/04055	NUMERICAL SIMULATION METHOD OF NUT SHELL CRUSHING BASED ON DISCRETE ELEMENT	2024/05/24
2024/04056	METHOD SUITABLE FOR RAINBOW TROUT FULL-FEMALE DIPLOID BREEDING	2024/05/24
2024/04057	MACHINE LEARNING-BASED SAP PREDICTION MODEL BUILDING METHOD, DEVICE AND PRODUCT	2024/05/24
2024/04058	A COMPUTER INFORMATION SECURITY STORAGE ANTI-THEFT DEVICE	2024/05/24
2024/04068	INTELLIGENT MULTIPLE DATA TEST AND MEASUREMENT CIRCUIT	2024/05/24
2024/04078	CLEANING ROBOT AND MOTION CONTROL METHOD THEREOF	2024/05/24
2024/04100	METHOD FOR IMPROVING EGG LAYING PERFORMANCE OF GEESE	2024/05/27
2024/04101	A CATALYST POWDER PRODUCTION DEVICE FOR DIAMOND SYNTHESIS	2024/05/27
2024/04102	A DIAMOND POLISHING AND POLISHING DEVICE	2024/05/27
2024/04103	RELATED GENE SCREENING METHOD OF GOOSE LAYING PERFORMANCE	2024/05/27
2024/04105	WEIGHTED K-NEAREST NEIGHBOR LOCALIZATION METHOD BASED ON DUAL FINGERPRINT PARAMETERS AND LOCALIZATION SYSTEM	2024/05/27
2024/04106	EARLY-WARNING METHOD FOR SLOPE MONITORING, COMPUTER-READABLE STORAGE MEDIUM AND COMPUTER DEVICE	2024/05/27
2024/04107	SYSTEM FOR OPTIMIZATION OF SUPPLY CHAIN FINANCE MANAGEMENT BASED ON BIG DATA	2024/05/27
2024/04108	UMBRELLA TYPE SOLAR COOKER WITH TRACKING SYSTEM	2024/05/27

Application Number	Patent Title	Filing Date
2024/04110	METHOD FOR IMPROVING ACCURACY OF BLOOD PRESSURE MEASUREMENT IN PATIENT WITH ATRIAL FIBRILLATION	2024/05/27
2024/04111	WASTE CLASSIFICATION SYSTEM AND METHOD FOR SAME	2024/05/27
2024/04112	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR ALLEVIATING ACUTE LUNG INJURY IN SEPSIS, AND PREPARATION METHOD THEREOF	2024/05/27
2024/04114	INSECT-RESISTANT AND HERBICIDE-RESISTANT TRANSGENIC CORN AND CULTIVATION METHOD THEREFOR	2024/05/27
2024/04126	METHOD FOR PRODUCING HIGH BOILING POINT SOLVENT OIL AS BY-PRODUCT BY CRUDE BENZOL REFINING	2024/05/27
2024/04127	IMPROVEMENT OF GLASS STRENGTH AND FRACTURE TOUGHNESS BY A NON-BRITTLE COATING	2024/05/27
2024/04132	SENSING HEAD FOR DETERMINING THE LENGTH OF THE ABDOMINAL CAVITY OF A SLAUGHTERED, DECAPITATED AND GUTTED FISH, PROCESSING STATION HAVING A KNIFE UNIT AND A SENSING HEAD OF THIS TYPE, AND DEVICE AND METHOD FOR PROCESSING, IN PARTICULAR FILLETING, SLAUGHTERED, DECAPITATED AND GUTTED FISH	2024/05/27
2024/04161	LOW-POWER LONG-DISTANCE COMMUNICATION OF UNMANNED AERIAL VEHICLES BY USING LDPC CODES	2024/05/28
2024/04162	AIRCRAFT ENGINE FAULT PREDICTION METHOD	2024/05/28
2024/04165	ARCH-BREAKING DEVICE AND METHOD FOR MATERIAL BLOCKAGE OF EXPLOSIVE ON-SITE MIXING AND CHARGING TRUCK	2024/05/28
2024/04167	HEALTH DATA MANAGEMENT METHOD	2024/05/28
2024/04168	PHOTOVOLTAIC CATTLE FARM WITH COMPLEMENTARY ANIMAL HUSBANDRY AND PHOTOVOLTAIC POWER GENERATION	2024/05/28
2024/04191	LIFTABLE STAGE	2024/05/28

Application Number	Patent Title	Filing Date
2024/04199	FISH FEED OF ACACIA PENNATA (L.) FOR FISHES IN-AQUARIA	2024/05/30
2024/04200	MEDICATED SHAMPOO SOAP FOR PREVENTING HAIR LOSS	2024/05/30
2024/04201	A THERMOSTATIC BIRTHING ROOM FOR LAMB BREEDING	2024/05/30
2024/04202	AN ARTIFICIAL INSEMINATION AUXILIARY DEVICE FOR SHEEP BREEDING	2024/05/30
2024/04203	SOIL CARBON SEQUESTRATION ENHANCER FOR DRY FIELD AND PREPARATION METHOD THEREOF	2024/05/30
2024/04204	PRESTRESSED GLULAM T-BEAM BRIDGE AND CONSTRUCTION METHOD THEREOF	2024/05/30
2024/04207	A CARTILAGE REPAIR MATERIAL FOR GUIDING TISSUE REGENERATION AND A PREPARATION METHOD THEREOF	2024/05/30
2024/04208	A METHOD FOR IMPROVING THE INDUCIBLE ACTIVITY OF BIODERIVED HYDROXYAPATITE BONE	2024/05/30
2024/04209	MODULAR ASSEMBLY STRUCTURE	2024/05/30
2024/04210	VIBRATION REDUCTION METHOD BASED ON BLASTING VIBRATION PREDICTION TECHNIQUES	2024/05/30
2024/04211	ORGANIC WASTEWATER TREATMENT SYSTEM AND TREATMENT METHOD	2024/05/30
2024/04213	A PREPARATION METHOD FOR MIXED SILAGE AND THE OBTAINED SILAGE	2024/05/30
2024/04214	A DYNAMIC PERFORMANCE ANALYSIS METHOD FOR ELECTRIC DRIVE SYSTEM BASED ON 92-DOF MODEL	2024/05/30
2024/04247	ENRICHMENT MEDIUM, PREPARATION METHOD, AND APPLICATION THEREOF	2024/05/30
2024/04252	SELF-TENSIONING DRUM SCREENING MACHINE	2024/05/30
2024/04258	DIRECT-DRIVE OIL-DRIVEN FIXED-SPEED VARIABLE-PITCH MULTI-ROTOR UNMANNED AERIAL VEHICLE AND CONTROL METHOD THEREOF	2024/05/31

Application Number	Patent Title	Filing Date
2024/04259	DEEPGBM-BASED VEHICLE COLLISION DETECTION METHOD AND SYSTEM BASED	2024/05/31
2024/04261	MULTIFUNCTIONAL CROP STRAW RETURNING DEVICE AND LAYERED RETURNING METHOD	2024/05/31
2024/04263	SAFE STORAGE METHOD OF DISTRIBUTED ACCOUNTING INFORMATION BASED ON BLOCKCHAIN	2024/05/31
2024/04264	ELECTRONICALLY CONTROLLED PRODUCT PACKAGING MOLDING DEVICE	2024/05/31
2024/04265	AUTOMATIC SEEDLING RAISING AND SOWING ALL-IN-ONE MACHINE	2024/05/31
2024/04266	HEALTH-NOURISHING TONIC WINE AND PREPARATION METHOD THEREOF	2024/05/31
2024/04268	A MOUNTAIN ECOLOGICAL RESTORATION DEVICE AND RESTORATION METHOD	2024/05/31
2024/04269	A METHOD FOR DETERMINING THE PERMEABILITY AND STRENGTH INDEX OF SAND BASED ON PARTICLE MORPHOLOGY PARAMETERS	2024/05/31
2024/04270	A CALCULATION METHOD FOR PRESSURE AMPLIFICATION EFFECT OF TUNNEL SURROUNDING SOIL UNDER DRY-WET CYCLE ACTION IN LOESS STRATUM	2024/05/31
2024/04274	HIGH-FLAME-RETARDANT B1-LEVEL DIGITAL COMMUNICATION CABLE AND PREPARATION METHOD THEREOF	2024/05/31
2024/04275	METHOD AND DEVICE FOR PREPARING TRIVALENT CHROMIUM SALT BY ELECTROCHEMICAL OXIDATION OF FERROCHROME IN ACIDIC SYSTEM	2024/05/31
2024/04320	A NETWORK INFORMATION SECURITY HOST INSTALLATION CABINET	2024/06/03
2024/04321	SOUND INSULATION BOARD FIXING DEVICE FOR ROADS AND BRIDGES	2024/06/03
2024/04322	CRACK REINFORCING STRUCTURE FOR ROADS AND BRIDGES	2024/06/03
2024/04324	REAL-TIME MONITORING AND CONTROL SYSTEM	2024/06/03

Application Number	Patent Title	Filing Date
	FOR DRIP IRRIGATION IN SOLAR GREENHOUSE PLANTING	
2024/04325	A SMART EVALUATION DEVICE FOR LABOR EDUCATION OF COLLEGE STUDENTS	2024/06/03
2024/04327	A METHOD FOR SIMULATING THE PERFORMANCE OF QUANTUM KEY DISTRIBUTION (QKD) PROTOCOLS USING FREQUENCY UP-CONVERSION	2024/06/03
2024/04329	A SYSTEM FOR SECURE DATA AUTHENTICATION AND SHARING BETWEEN ELECTRIC VEHICLES IN A BLOCKCHAIN NETWORK	2024/06/03
2024/04335	MYCOBACTERIUM TUBERCULOSIS FUSION PROTEIN, PREPARATION METHOD THEREFOR AND USE THEREOF	2024/06/03
2024/04350	LOW-POWER-CONSUMPTION WIRELESS FIRE ALARM SYSTEM TERMINAL WAKE-UP INSPECTION METHOD AND SYSTEM	2024/06/04
2024/04351	AN ELECTRONIC COMMERCE MANAGEMENT PLATFORM DEVICE	2024/06/04
2024/04355	A SYSTEM FOR SAFE STORAGE OF RECHARGEABLE BATTERY KITS IN ELECTRIC VEHICLES AND A METHOD FOR CONSTRUCTING THE SAME	2024/06/04
2024/04357	BOREHOLE TEMPERATURE MONITORING	2024/06/04
2024/04377	INTELLIGENT MONITORING SYSTEM FOR TANK SERVO SAMPLING BASED ON ARTIFICIAL INTELLIGENCE	2024/06/05
2024/04378	SCREENING DEVICE BASED ON METALLURGICAL RAW MATERIAL	2024/06/05
2024/04380	WINDOW BLIND FRAME	2024/06/05
2024/04384	A GRANULAR BIOSTIMULANT AS PLANT GROWTH PROMOTER, PROCESSES FOR PREPARING THE SAME AND USES THEREOF	2024/06/05
2024/04385	ANTI-OX40 ANTIBODIES AND METHODS OF USE	2024/06/05
2024/04398	ANTI-OX40 ANTIBODIES, MULTISPECIFIC	2024/06/05

Application Number	Patent Title	Filing Date
	ANTIBODIES AND METHODS OF USE	
2024/04405	NON-CONTACT WEIGHING AND DEVIATION WARNING DEVICE FOR BELT CONVEYING	2024/06/06
2024/04406	A LOW RELAXATION PRESTRESSED STEEL STRAND PRODUCTION DEVICE AND PRODUCTION PROCESS	2024/06/06
2024/04407	METHOD FOR HYBRID BREEDING OF WAXY HULLESS BARLEY FOR GRAIN	2024/06/06
2024/04408	SIMULATION OPTIMIZATION SYSTEM AND METHOD FOR ALUMINUM GATE CMP	2024/06/06
2024/04409	ORGANIC HYDROPHOBIC GROUP METAL CARBIDE COUPLING FILM AND ITS PREPARATION METHOD AND APPLICATION	2024/06/06
2024/04410	EARTH PRESSURE BALANCE SHIELD TUNNELING METHOD FOR UPPER SOFT AND LOWER HARD AND FULL-FACE HARD ROCK STRATA	2024/06/06
2024/04411	NON-CONTACT WEIGHING AND DEVIATION WARNING APPARATUS FOR BELT CONVEYOR	2024/06/06
2024/04420	CATHODE ASSEMBLY	2024/06/06
2024/04429	ACTIVE/PASSIVE COOLING SYSTEM WITH PUMPED REFRIGERANT	2024/06/06
2024/04431	5G PLANAR ELECTROMAGNETIC SENSOR BASED ON COMPLEMENTARY SPLIT RING, AND MEASURING METHOD	2024/06/06
2024/04435	BUSINESS ADMINISTRATION MAJOR TEACHING SYSTEM	2024/06/07
2024/04436	SHENPU OINTMENT FOR TREATING PERIANAL ECZEMA AND PRURITUS AND PREPARATION METHOD	2024/06/07
2024/04437	A RECONNAISSANCE PATH PLANNING SYSTEM FOR UNMANNED AERIAL VEHICLE BASED ON WIRELESS COMMUNICATION TECHNOLOGY	2024/06/07
2024/04438	METHOD FOR QUANTITATIVE EVALUATION OF URBAN HEAT ISLAND EFFECT BASED ON MULTI-SOURCE SATELLITE REMOTE SENSING	2024/06/07

Application Number	Patent Title	Filing Date
2024/04442	SOLAR POWERED ROOF VENTILATOR	2024/06/07
2024/04466	INSULATING GLASS TESTING DEVICE	2024/06/10
2024/04468	A METHOD FOR FORMING A DEMINERALIZED BONE MATRIX AND PROMOTING ITS VASCULARIZATION	2024/06/10
2024/04474	SYSTEM AND METHOD FOR REPURPOSING DRUGS AGAINST HUMAN PAPILLOMAVIRUS (HPV) E6	2024/06/10
2024/04475	A WEARABLE DEVICE FOR EARLY DETECTION OF PARKINSON'S DISEASE, AND A METHOD THEREOF	2024/06/10
2024/04476	A GRIP STRENGTH MEASURING SYSTEM AND A METHOD THEREOF	2024/06/10
2024/04481	PROCESS FOR THE PYROLYSIS OF SUBSTANTIALLY PLASTICS MATERIAL OF INCONSTANT COMPOSITION, RELATIVE REACTOR, APPARATUS AND PRODUCT OBTAINED	2024/06/10
2024/04493	PYROLYSIS PROCESS FOR THE PRODUCTION OF A PYROLYSIS OIL SUITABLE FOR CLOSED LOOP RECYCLING, RELATED APPARATUS, PRODUCT AND USE THEREOF	2024/06/10
2024/04498	RECOMBINANT PROTEIN FOR SARS-COV2 DISEASE	2024/06/10
2024/04499	A MAGNETIC TOROID AND A MAGNETICALLY ACTUATED ROTARY COUPLING DEVICE COMPRISING THEREOF	2024/06/10
2024/04508	FROTH-CONTROLLED FLOTATION METHOD FOR MICRO-FINE ZINC OXIDE ORE	2024/06/11
2024/04509	A NOVEL FORMULATION FOR DRY EYE AND PROCESS THEREOF	2024/06/11
2024/04510	INTELLIGENT ULTRASONIC VIBRATION-ASSISTED CNC TURNING DEVICE AND METHOD THEREOF	2024/06/11
2024/04511	UNMANNED AERIAL VEHICLE DEVICE FOR NOVEL ROTARY-WING	2024/06/11
2024/04512	A METHOD FOR REMOVING IMPURITIES FROM THE CHROMIUM-BASED ALLOY	2024/06/11
2024/04513	G-4 APTAMER-BASED QDS ELECTROLUMINESCENT SENSOR AS WELL AS PREPARATION METHOD AND	2024/06/11

Application Number	Patent Title	Filing Date
	APPLICATION IN PB2+ DETECTION THEREOF	
2024/04514	FIRE-RESISTANT AND HEAT-INSULATING COATING, PREPARATION METHOD AND HIGH-PRESSURE GAS CYLINDER CONTAINING THE SAME	2024/06/11
2024/04515	APPARATUS FOR TESTING COMPUTER CHIP PACKAGING AND USE METHOD THEREFOR	2024/06/11
2024/04516	DEVICE AND METHOD FOR CATCHING AND KILLING CNAPHALOCROCIS MEDINALIS	2024/06/11
2024/04517	AN AUTOMATIC CLIMBING ROBOT FOR UNMANNED DOCKING OF A SINGLE-COLUMN STEEL PIPE RODS	2024/06/11
2024/04520	STEVIA REBAUDIANA RESIDUE FERMENTED FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF LIVESTOCK AND POULTRY AND PREPARATION METHOD THEREOF	2024/06/11
2024/04521	KNIFE MACHINE, AND APPARATUS AND METHOD FOR PROCESSING ANIMAL PRODUCTS	2024/06/11
2024/04540	REAL-TIME FLUORESCENCE-SPECIFIC TAQMAN PRIMER PROBES AND METHOD FOR IDENTIFYING PHYTOLACCA AMERICANA	2024/06/12
2024/04541	BATTERY PROTECTION DEVICE FOR NEW ENERGY VEHICLES	2024/06/12
2024/04542	ELBOW JOINT FIXING BRACE HAVING THERMOTHERAPY FUNCTION	2024/06/12
2024/04543	HYDRAULIC CONTROL SYSTEM FOR SELF-PROPELLED ALL-DAY GRAIN SPREADER	2024/06/12
2024/04544	POLYANILINE-GRAPHENE COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF	2024/06/12
2024/04545	A IRIS RECOGNITION METHOD BASED ON CONVOLUTIONAL NEURAL NETWORKS	2024/06/12
2024/04546	A TEXT ENCRYPTION SYSTEM	2024/06/12
2024/04549	DEMONSTRATION MODEL FOR PSYCHOLOGICAL BALANCE OF TRADITIONAL CHINESE MEDICINE	2024/06/12
2024/04550	A DECENTRALISED ENERGY SYSTEM FOR GENERATING ELECTRICITY	2024/06/12

Application Number	Patent Title	Filing Date
2024/04561	FERMENTED FEED ADDITIVE OF GANODERMA LUCIDUM FRUITING BODY FOR IMPROVING PRODUCTION PERFORMANCE OF LAYING HENS AND APPLICATION THEREOF	2024/06/12
2024/04569	DRILLING AND BOLTING TOOL	2024/06/12
2024/04571	ANTI-TFR1 ANTIBODY MAB11-22.1 CONJUGATES FOR CANCER TREATMENT	2024/06/12
2024/04578	LIMIT STOP	2024/06/12
2024/04581	TANK FOR GARBAGE FILTRATION AND COLLECTION	2024/06/12
2024/04587	UNMANNED AERIAL VEHICLE-MOUNTED WATER QUALITY SAMPLING METHOD	2024/06/13
2024/04588	HEAT DISSIPATING DEVICE FOR BATTERY MANAGEMENT OF NEW ENERGY VEHICLES	2024/06/13
2024/04590	RAPID SEEDLING RAISING METHOD FOR PYRUS BETULAEFOLIA BUNGE	2024/06/13
2024/04591	REMOTE INTERCONNECTION SYSTEM OF SOLID HYDROGEN ENERGY ROBOT	2024/06/13
2024/04592	DAMPING DEVICE FOR INTELLIGENT NETWORKED AUTOMOBILE	2024/06/13
2024/04594	JINGGANG HONEY POMELO EXTRACT CONTAINING NARINGIN AND PREPARATION METHOD THEREFOR	2024/06/13
2024/04598	A STRONG ENERGY-ABSORBING ANCHOR BOLT TRAY	2024/06/13
2024/04602	ELECTRICAL GENERATOR SYSTEM	2024/06/13
2024/04604	METHOD FOR SYNTHESIZING FLUDIOXONIL INTERMEDIATE 2, 2-DIFLUORO-1, 3-BENZODIOXOLE-4-CARBOXALDEHYDE	2024/06/13
2024/04606	CLINICAL SIGN DATA PROCESSING METHOD AND SYSTEM	2024/06/13
2024/04630	DISPERSIBLE OIL-BASED SUSPENSION CONCENTRATE CONTAINING 3-(2-CHLORO-4-FLUORO-5-(3-METHYL-2,6-DIOXO-4-TRIFLUOROMETHYL-3,6-DIHYDROPYRIMIDINE-1(2H)-YL)PHENYL)-5-METHYL-4,5-	2024/06/13

Application Number	Patent Title	Filing Date
	DIHYDROISOXAZOLE-5-CARBOXYLIC ACID ETHYL ESTER AND PREPARATION METHOD THEREFOR	
2024/04637	A SOIL SAMPLER	2024/06/14
2024/04638	INSECT PEST PREVENTION DEVICE FOR FORESTRY	2024/06/14
2024/04639	METHOD FOR PROCESSING INSTANT MULTIGRAIN RICE	2024/06/14
2024/04640	MIXED BEAN NUTRITIONAL NOODLES AND PREPARATION METHOD THEREOF	2024/06/14
2024/04641	INSTANT MIXING POWDER OF COARSE CEREALS AND MIXED BEANS AND PREPARATION METHOD THEREOF	2024/06/14
2024/04642	INTELLIGENT NETWORKED STEERING TESTING DEVICE FOR AUTOMOBILES	2024/06/14
2024/04643	A WASTE RECYCLING DEVICE FOR CONSTRUCTION PROJECTS	2024/06/14
2024/04644	DATA ENCRYPTION ALGORITHM BASED ON CHAOTIC SYSTEM	2024/06/14
2024/04645	TRAM EMBEDDED TRACK PAVEMENT STRUCTURE CLEANING VEHICLE	2024/06/14
2024/04646	A MULTI-SOURCE POI DATA CLEANING METHOD OF FUSING LOCATION CONSTRAINTS AND SEMANTIC CONSTRAINTS	2024/06/14
2024/04647	URBAN DEVELOPMENT BOUNDARY DELIMITATION METHOD BASED ON SUPERPIXEL SEGMENTATION	2024/06/14
2024/04649	CORN STRAW NANOCELLULOSE-BASED AEROGEL FRESH-KEEPING PAD AND PREPARATION METHOD THEREOF	2024/06/14
2024/04652	METHOD FOR ANALYSING MERCURY ADSORPTION ABILITY OF OXYGENATED FUNCTIONALS BROMINATED ACTIVATED CARBON	2024/06/14
2024/04653	COMPOSITION AND METHOD FOR FABRICATION OF SURFACE PLASMON RESONANCE FOR IMMUNOGLOBULIN G (IGG) DETECTION	2024/06/14
2024/04667	METHOD FOR ENHANCING EFFICIENT	2024/06/14

Application Number	Patent Title	Filing Date
	METHANOGENESIS OF SLUDGE ANAEROBIC DIGESTION	
2024/04668	METHOD FOR PREPARING BIOCHAR BY HYDROTHERMAL CARBONIZATION OF SLUDGE AND STRAW	2024/06/14
2024/04687	COPPER ALLOY MATERIAL AND PREPARATION METHOD THEREOF	2024/06/18
2024/04688	ALLOY STEEL LINER PLATE MATERIAL AND PREPARATION METHOD THEREOF	2024/06/18
2024/04689	ENVIRONMENTALLY FRIENDLY FREE-CUTTING NICKEL-COPPER ALLOY MATERIAL AND PREPARATION METHOD THEREOF	2024/06/18
2024/04690	METHOD FOR PREPARING STEEL ALLOY MATERIAL AND COPPER ALLOY MATERIAL	2024/06/18
2024/04691	HIGH-MANGANESE FREE-CUTTING BRASS ALLOY MATERIAL AND PREPARATION METHOD THEREOF	2024/06/18
2024/04692	BASIC NURSING INTELLIGENT TEACHING SYSTEM AND METHOD	2024/06/18
2024/04693	DIGITAL INTELLIGENT TEACHING EVALUATION SYSTEM	2024/06/18
2024/04694	BIOANALYTICAL METHOD AND SYSTEM FOR QUANTIFYING MOLNUPIRAVIR IN BIOLOGICAL SAMPLE	2024/06/18
2024/04695	METHOD FOR SEPARATING AND CULTURING DERMAL PAPILLA CELL OF REX RABBIT SKIN	2024/06/18
2024/04696	A TWIN SCENE MOBILE SCANNING DEVICE	2024/06/18
2024/04697	WINDING EQUIPMENT FOR RECYCLING MULCH FILM	2024/06/18
2024/04698	GROUP OF VECTORS EXPRESSING PROTEINS IN YEAST CELLS AND ORGANELLE LOCALIZATION SYSTEM AND APPLICATIONS THEREOF	2024/06/18
2024/04699	A COATING LIQUID PREPARATION PROCESS FOR A DOUBLE-LAYER ANTIREFLECTIVE FILM ON PHOTOVOLTAIC PANELS	2024/06/18

Application Number	Patent Title	Filing Date
2024/04700	COTTON S-LOCUS PROTEIN KINASE GENES AND THEIR APPLICATIONS IN REGULATING RESPONSES TO HIGH TEMPERATURE STRESS	2024/06/18
2024/04701	HEAT STORE WITH HEAT STORAGE CASSETTES	2024/06/18
2024/04702	RPA-LFD PRIMER PROBE GROUP AND ITS KIT FOR IDENTIFYING ANISAKIS SIMPLEX/ANISAKIS PEGREFFII AND APPLICATIONS	2024/06/18
2024/04704	BLOCKCHAIN-BASED METHOD FOR ENCRYPTING AND IDENTIFYING IDENTITY CODE OF INTERNET OF THINGS DEVICE	2024/06/18
2024/04705	COMPOUND PASSIVATOR FOR HEAVY METAL CONTAMINATED SOIL IN TRADITIONAL CHINESE MEDICINAL MATERIAL LAND, AND PREPARATION METHOD AND APPLICATION THEREOF	2024/06/18
2024/04706	A COLLEGE STUDENT ENGLISH TRANSLATION LEARNING AID DEVICE	2024/06/18
2024/04707	NOVEL AGRICULTURAL LAND COVER	2024/06/18
2024/04708	METHOD FOR EFFECTIVELY PREVENTING AND CONTROLLING AMBROSIA TRIFIDA BY COMBINING ABOVEGROUND AND UNDERGROUND	2024/06/18
2024/04709	DEVICE AND METHOD FOR HIGH-CONTENT CERAMIC PARTICLE-REINFORCED EUTECTIC HIGH-ENTROPY ALLOY COMPOSITE COATING ASSISTED BY LASER CLADDING	2024/06/18
2024/04710	A MULTI-FORM INDUCTION HEATER COOPERATIVE MODULATION TUNDISH	2024/06/18
2024/04711	A MECHATRONICS PRACTICAL TRAINING PLATFORM AND AN OPERATION METHOD	2024/06/18
2024/04712	COMPOSITION AND METHOD TO ENHANCE COGNITIVE ABILITY WHILST ELEVATING ENERGY LEVELS	2024/06/18
2024/04714	ZIRCONIA CERAMIC MICROBEAD AND PREPARATION METHOD THEREOF	2024/06/18
2024/04715	SUSTAINABLE FINANCIAL SYSTEM USING IOT FOR DETECTION OF FAKE LINKS AND SUPPORT SECURE	2024/06/18

Application Number	Patent Title	Filing Date
	TRANSACTION	
2024/04717	NO-S-S-AURB CONJUGATE AND PREPARATION METHOD AND APPLICATION THEREOF	2024/06/18
2024/04753	METHOD FOR IDENTIFYING AND PREVENTING WATER DISASTERS IN UNDERGROUND BED SEPARATION	2024/06/19
2024/04754	A SNP MOLECULAR MARKER ASSOCIATED WITH DUROC IMF CONTENT	2024/06/19
2024/04755	METHOD FOR PROMOTING SOIL SEED GERMINATION AND RAPIDLY CONSUMING AMBROSIA ARTEMISIIFOLIA UNDERGROUND SEED BANK	2024/06/19
2024/04756	A MEASURING DEVICE FOR BUILDING PIPELINES	2024/06/19
2024/04757	AUTOMATIC SEALING DEVICE FOR INSULATING GLASS EDGES	2024/06/19
2024/04758	NOVEL DYE ADSORBENT AND PREPARATION METHOD THEREOF	2024/06/19
2024/04759	A BACTERIUM STRAIN OF (GYMNODINIALIMONAS) SP. 57CJ19 AND ITS APPLICATIONS	2024/06/19
2024/04760	SCREENING METHOD FOR ELECTRIC LOAD FEATURES OF LARGE INDUSTRIAL USERS	2024/06/19
2024/04766	SPATIAL THREE-DIMENSIONAL SUSPENSION CORRIDOR AND METHOD FOR OPTIMIZING SAME	2024/06/19
2024/04767	SPATIAL SUSPENSION CORRIDOR FOR INDOOR VENUE AND HOISTING AND UNLOADING METHOD THEREFOR	2024/06/19
2024/04770	A CEMENTITIOUS MATERIAL BINDER AND METHODS AND SYSTEMS FOR PRODUCING THE SAME WHICH DO NOT RELY ON A SURFACE-ALONE REACTION	2024/06/19
2024/04774	ROOT VEGETABLE SLICER	2024/06/19
2024/04790	ACCIDENT ONLINE DIAGNOSIS METHOD FOR THIRD-GENERATION PASSIVE PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT	2024/06/19

Application Number	Patent Title	Filing Date
2024/04803	OFFSHORE WIND SCALE MEASUREMENT RADIO FREQUENCY TRANSCEIVER SYSTEM AND OPERATION METHOD THEREOF	2024/06/19
2024/04804	SELF-POWERED PRESSURE MEASUREMENT SYSTEM BASED ON SURFACE ACOUSTIC WAVE SENSOR AND OPERATING METHOD THEREFOR	2024/06/19
2024/04809	AUTISM AUXILIARY DIAGNOSIS SYSTEM BASED ON DEEP DOMAIN ADAPTATION	2024/06/20
2024/04810	METHOD FOR COMPREHENSIVELY RECOVERING VALUABLE COMPONENTS OF ANODE MATERIALS OF WASTE LITHIUM IRON PHOSPHATE BATTERIES	2024/06/20
2024/04811	A METHOD, KIT AND APPLICATION FOR RAPID DETECTION OF CHICKPEA INGREDIENTS BASED ON RPA-CRISPR-CAS12A	2024/06/20
2024/04812	LOW-TEMPERATURE FIRED LOW HEAT PORTLAND CEMENT AND ITS PREPARATION METHOD	2024/06/20
2024/04813	LOW HEAT PORTLAND CEMENT WITH HIGH TEMPERATURE RESISTANCE AND PREPARATION METHOD THEREOF	2024/06/20
2024/04814	ECOLOGICAL DRIVING ASSISTANCE SYSTEM	2024/06/20
2024/04815	IMPROVED DEVICE AND METHOD FOR DETECTING POPULATION DENSITY OF ENTOMOPATHOGENIC NEMATODES	2024/06/20
2024/04817	METHOD FOR FILLING ROOF-CONTACTED AREA OF GOAF IN UNDERGROUND MINE	2024/06/20
2024/04818	ONLINE EDUCATION SYSTEM BASED ON VIRTUAL REALITY	2024/06/20
2024/04819	METHOD, SYSTEM FOR AUTOMATICALLY GENERATING CUSTOM STATEMENT FOR CIGARETTE SILK MAKING BUSINESS BY CUSTOM CONFIGURATION	2024/06/20
2024/04820	METHOD AND COMPUTER READABLE MEDIUM FOR REALIZING BULK REPORTING IN TOBACCO INDUSTRY BASED ON MULTI-FUNCTION TEXT EDITOR	2024/06/20

Application Number	Patent Title	Filing Date
2024/04824	SPLIT NUT ASSEMBLY	2024/06/20
2024/04845	A DEVICE FOR PROVIDING SETS OF CARDS	2024/06/20
2024/04854	ULTRA LIGHT-SENSITIVE NEUROPSIN-BASED OPTOGENETIC TOOL FOR ACTIVATING G Q - COUPLED SIGNALING AND/OR ACTIVATING CELLS	2024/06/20
2024/04855	OPTOGENETIC VISUAL RESTORATION USING LIGHT-SENSITIVE GQ-COUPLED NEUROPSIN (OP SIN 5)	2024/06/20
2024/04863	EDITING SYSTEM AND METHOD FOR STANDARD FILE	2024/06/21
2024/04864	METHOD FOR TESTING SOIL SEDIMENT	2024/06/21
2024/04865	METHOD FOR TESTING GEOLOGICAL SAMPLE	2024/06/21
2024/04866	METHOD FOR COMPREHENSIVE UTILIZATION OF SOLID WASTE	2024/06/21
2024/04869	A RIDGE-CULTIVATED CROP WEEDING ROBOT	2024/06/21
2024/04870	CONTACT LENS PLACEMENT	2024/06/21
2024/04871	DATA PROCESSING DEVICE FOR IMAGE TRANSMISSION	2024/06/21
2024/04873	LOW-HEAT CEMENT CONCRETE FOR COMPLEX HIGH-ALTITUDE ENVIRONMENTS AND PREPARATION METHOD THEREOF	2024/06/21
2024/04878	CRYSTAL FORM OF NUCLEOSIDE COMPOUND	2024/06/21
2024/04922	INTELLIGENT IDENTIFICATION METHOD OF VIBRO-REPLACEMENT GRAVEL PILE REINFORCED STRATUM	2024/06/24
2024/04923	A BUILDING CARBON FIBER REINFORCED STRUCTURE	2024/06/24
2024/04962	A BUILDING STRUCTURE FOR GREEN ROOFING OF BUILDINGS	2024/06/25
2024/04964	A TEMPERATURE DETECTION METHOD FOR ELECTROMAGNETIC LEVITATION MOLTEN DROPLETS	2024/06/25

Application Number	Patent Title	Filing Date
2024/04965	METHOD FOR IDENTIFYING COMPLEX NAMES	2024/06/25
2024/04966	A ROOTING METHOD FOR POMEGRANATE TISSUE CULTURE	2024/06/25
2024/04967	AN ESTABLISHMENT METHOD FOR DIGITAL TWIN MODEL OF BRIDGE CONSTRUCTION BASED ON DYNAMIC BAYESIAN NETWORK	2024/06/25
2024/04971	METHOD AND SYSTEM FOR GENERATING GRAPH BASED ON TEXT BIG DATA	2024/06/25
2024/04972	ELECTRICAL APPARATUS COMBINED MOUNTING MANIPULATOR	2024/06/25
2024/04973	A KIND OF COMPOSITE LIVESTOCK LICKING BRICK	2024/06/25
2024/04974	A NEW MATERIAL CONTAINER BOTTOM PLATE PRODUCTION METHOD TECHNICAL FIELD	2024/06/25
2024/04975	ELECTRIC TOOTHBRUSH, AND MOTOR CONTROL METHOD, DEVICE, SYSTEM, CONTROL BOARD, AND MEDIUM FOR THE SAME	2024/06/25
2024/04976	MODIFIED AAV CAPSID PROTEIN AND USE THEREOF	2024/06/25
2024/04982	ADJUSTING DEVICE FOR FLOW CONTROLLERS	2024/06/25
2024/04983	FULL-AUTOMATIC GLUE DISPENSER MOUNTER	2024/06/25
2024/04996	REACTOR FOR A WASTE TRANSFORMATION DEVICE	2024/06/25
2024/04997	ELECTROSTATIC FRICTION PULSE GENERATOR	2024/06/25
2024/04998	METHOD FOR LOW-TEMPERATURE TRANSFORMATION OF DOMESTIC WAST	2024/06/25
2024/04999	METHOD FOR DESTROYING ORGANIC WASTE WITH A LOW WATER CONTENT	2024/06/25
2024/05002	METHOD FOR PRODUCING SWEET YOGURT BY FERMENTATION OF LACTOBACILLUS PLANTARUM	2024/06/26
2024/05004	PICKER FOR BUDS OF MAGNOLIAE FLOS	2024/06/26
2024/05005	METHOD OF PRODUCING A BLAST DESIGN	2024/06/26

Application Number	Patent Title	Filing Date
2024/05007	A BREAST TUMOR BIOPSY DEVICE	2024/06/26
2024/05008	A PURE GRAIN RHIZOMA POLYGONATI RICE WINE AND A BREWING METHOD THEREOF	2024/06/26
2024/05009	PRIMER-PROBE SET AND A KIT FOR IDENTIFYING SOURCE COMPONENTS OF FEMALE DEER PRODUCTS BASED ON TWO-PROBE TECHNIQUE, AN IDENTIFICATION METHOD AND APPLICATIONS	2024/06/26
2024/05011	METHOD FOR MONITORING A CONTROL PARAMETER ON A SUBSTANTIALLY PLASTIC MATERIAL, RELATING TO APPARATUS AND PYROLYSIS PROCESS WHICH USES THIS METHOD	2024/06/26
2024/05017	NITROGEN-DOPED CARBON-FILM-COATED MANGANESE MONOXIDE NANOWIRE LITHIUM BATTERY MATERIAL AND PREPARATION METHOD THEREFOR	2024/06/26
2024/05018	6'-CYANO-MODIFIED LOCKED NUCLEOSIDES, NUCLEOTIDES, AND NUCLEIC ACID POLYMERS	2024/06/26
2024/05029	LITHIUM-LOADED COMPOSITE FRAMEWORK MATERIAL, PREPARATION METHOD THEREFOR AND USE THEREOF	2024/06/26
2024/05034	METHOD FOR RECOVERING LEPIDOLITE BY SHORT-PROCESS FLOTATION	2024/06/27
2024/05035	METHOD FOR INHIBITING PLANT PATHOGENIC BACTERIA AND/OR CONTROLLING PLANT DISEASES, COMPOUND BACTERIOSTATIC AGENT AND APPLICATION	2024/06/27
2024/05039	VENTILATION SYSTEM WITH CLEANING FUNCTION FOR TUNNEL CONSTRUCTION, AND USING METHOD THEREFOR	2024/06/27
2024/05044	INTEGRATED FOAMING AND COOLING DEVICE FOR ULTRA-SOFT ELECTRONIC CROSS-LINKED FOAM MATERIALS	2024/06/27
2024/05078	JUJUBE HARVESTING APPARATUS WITH ADJUSTABLE SUCTION VECTOR AND METHOD THEREFOR	2024/06/28
2024/05081	PHASE ANALYSIS METHOD FOR COBALT IN	2024/06/28

Application Number	Patent Title	Filing Date
	COPPER-NICKEL DEPOSIT	
2024/05084	HIGH-PRESSURE EGR SYSTEM FOR SUPERCHARGED ENGINE	2024/06/28
2024/05085	A MEASURING DEVICE FOR CONSTRUCTION PROJECT MANAGEMENT	2024/06/28
2024/05090	METHOD FOR DETECTING JUJUBE WATER-CONTENT LEVEL BASED ON HYPERSPECTRAL IMAGE RECONSTRUCTED BY RGB IMAGE	2024/06/28
2024/05091	AN EXTERNAL APPLICATION COMBINATION FOR WARMING THE STOMACH AND STOPPING PAIN, A STICKING PLASTER FOR WARMING THE STOMACH AND STOPPING PAIN AND PREPARATION METHODS	2024/06/28
2024/05132	METHOD FOR SEGMENTING SMALL WATER BODY WITH HIGH ACCURACY BASED ON SPARSE ATTENTION MECHANISM	2024/07/01
2024/05133	NITROGEN-CONTROLLING AND PHOSPHORUS-PROMOTING SYNERGISTIC COMPOUND FERTILIZER AND PREPARATION METHOD AND APPLICATION THEREOF	2024/07/01
2024/05134	A DIMMING MIRROR PROCESSING AND POLISHING MACHINE	2024/07/01
2024/05135	A PRODUCTION DEVICE AND METHOD FOR REDUCING LIGHT POLARIZATION MIRROR	2024/07/01
2024/05137	DETECTION METHOD FOR SALMONELLA IN MEAT AND EGG FOODS	2024/07/01
2024/05138	METHOD FOR TREATING DEFORMATION OF SOFT ROCK OF DIVERSION TUNNEL	2024/07/01
2024/05151	PREPARATION PROCESS FOR HYDROLYZED AND SOLUBLE RADIX PUERARIAE PEPTIDE POWDER	2024/07/02
2024/05152	VERTICAL REINFORCEMENT JOINT SLEEVES FOR ORDINARY STEEL BARS, CONCRETE MEMBERS OR FINISHED STEEL BAR CAGES	2024/07/02
2024/05154	AN ENGLISH TRANSLATOR	2024/07/02
2024/05156	NANOTUBULAR RARE EARTH PEROVSKITE MATERIAL AND PREPARATION METHOD AND	2024/07/02

Application Number	Patent Title	Filing Date
	APPLICATION THEREOF	
2024/05157	LIQUID MEDICINE FERTILIZER FOR DISEASE RESISTANCE AND PEST CONTROL AND ITS PREPARATION METHOD	2024/07/02
2024/05158	MAGNETIC FIELD ADJUSTABLE MICRO-MAGNETIC ORTHODONTIC ACCELERATOR	2024/07/02
2024/05177	JUVENILE FISH PROTECTION REEF	2024/07/03
2024/05178	REMOTE ALARM CIRCUIT FOR ELECTRIC PRESSURE COOKER	2024/07/03
2024/05180	A MOBILE APPLICATION USING MACHINE LEARNING FOR IDENTIFICATION OF HINDI LANGUAGE AS PER REGION	2024/07/03
2024/05181	MOBILE APPLICATION FOR SMART INVESTMENT SUGGESTIONS	2024/07/03
2024/05182	A CRACK REPAIR DEVICE FOR CONSTRUCTION	2024/07/03
2024/05183	A POST-GROUTING METHOD AND CONSTRUCTION TECHNOLOGY FOR SLAG-BASED GEL MATERIAL CAST-IN-PLACE PILE	2024/07/03
2024/05184	PORTABLE VEHICLE-MOUNTED APRON FOR UNMANNED AERIAL VEHICLES	2024/07/03
2024/05185	RESOURCE SHARING AND MANAGEMENT SYSTEM AND METHOD FOR DEVELOPING A TELECOMMUNICATIONS AND/OR NETWORK PRODUCT	2024/07/03
2024/05193	INFUSION APPARATUS, INFUSION CONTROL METHOD, AND ELECTRONIC DEVICE	2024/07/03
2024/05205	METHOD OF MANAGING A BLASTING SYSTEM	2024/07/03
2024/05212	APPLICATION OF TANGERETIN AND NOBILETIN MIXTURE IN PREPARING FUNCTIONAL PRODUCTS TO ACTIVATE ABILITY OF CELLS TO RESIST OXIDATIVE STRESS	2024/07/04
2024/05214	AN UNDERGROUND COAL MINE WATER RESOURCE RECYCLING DEVICE AND APPLICATION METHOD	2024/07/04
2024/05217	METHOD FOR SYNTHESIZING AND	2024/07/04

Application Number	Patent Title	Filing Date
	CHARACTERIZING CARBAZOLE DERIVATIVES AS MUTANT HSOD1 PROTEIN AGGREGATION INHIBITORS	
2024/05218	AN IOT FORENSIC DATA ACQUISITION SYSTEM	2024/07/04
2024/05219	A SYSTEM AND METHOD FOR LUNG AND BREAST CANCER DETECTION USING HISTOPATHOLOGICAL IMAGES	2024/07/04
2024/05220	ROBOT NAVIGATION SYSTEM BASED ON BEHAVIOURAL FINITE STATE SOCIAL MACHINE AND A METHOD THEREOF	2024/07/04
2024/05221	THIENOPYRIMIDINE HETEROCYCLIC COMPOUND WITH TARGETED TYROSINE KINASE INHIBITORY ACTIVITY, PREPARATION METHOD AND MEDICAL APPLICATION THEREOF	2024/07/04
2024/05222	UNMANNED AERIAL VEHICLE FOR EMERGENCY RESCUE	2024/07/04
2024/05246	METHOD FOR IDENTIFYING HUANGSHAN GONGJU USING FOURIER INFRARED SPECTROSCOPY	2024/07/05
2024/05248	EFFICIENT RIDGING AND SALINE-INHIBITING CULTIVATION METHOD FOR SUGAR BEET IN MODERATE SALINE-ALKALI LAND	2024/07/05
2024/05249	RAPID SAMPLING DEVICE AND METHOD FOR FOOD AND DRUG TESTING	2024/07/05
2024/05250	A SIMULATION TEST DEVICE FOR CONTROLLING WATER INRUSH DISASTER AND ITS APPLICATION METHOD	2024/07/05
2024/05251	A SEEPAGE WATER INRUSH SIMULATION DEVICE, SYSTEM AND METHOD FOR ROCK MASS FAILURE IN COAL SEAM MINING	2024/07/05
2024/05253	STORAGE CHUTE	2024/07/05
2024/05258	A TYPE OF ORTHOPEDIC DOCTOR'S ASSISTIVE TRACTION DEVICE	2024/07/05
2024/05262	A REDUCTION AND FIXATION DEVICE FOR ORTHOPEDICS DEPARTMENT	2024/07/05
2024/05289	STRAIN S119 FOR DEGRADING URACIL HERBICIDE	2024/07/08

Application Number	Patent Title	Filing Date
	AND APPLICATION THEREOF	
2024/05297	SAFETY PERFORMANCE EVALUATION METHOD FOR BRIDGE CONSTRUCTION SUPPORT SYSTEM	2024/07/08
2024/05298	HETEROCYCLIC COMPOUNDS WITH TYROSINE KINASE INHIBITORY ACTIVITY, PREPARATION METHODS THEREFOR AND PHARMACEUTICAL USES THEREOF	2024/07/08
2024/05299	PORTABLE MASK STORAGE BAG	2024/07/08
2024/05315	WATER DISTRIBUTOR	2024/07/08
2024/05319	POLYANILINE COATED CARBON NANOFIBER COMPOSITE, AND PREPARATION METHOD AND APPLICATION THEREOF	2024/07/09
2024/05320	COMPOSITE MICROBIAL PREPARATION FOR IMPROVING QUALITY OF GROUPER CULTURE WASTEWATER, AND PREPARATION METHOD THEREFOR	2024/07/09
2024/05322	METHOD FOR EFFICIENTLY EXTRACTING PECTIN FROM SUNFLOWER HEADS AS RAW MATERIAL AND APPLICATION THEREOF	2024/07/09
2024/05323	PREPARATION METHOD AND APPLICATION OF FLUORESCENT CARBON DOTS FROM PEANUT POWDER	2024/07/09
2024/05325	IMPACT COMPACTION MODEL TESTING DEVICE	2024/07/09
2024/05326	MOBILE HANGING BASKET FOR BRIDGE CONCRETE GUARDRAIL CONSTRUCTION	2024/07/09
2024/05327	UNMANNED INTELLIGENT PERCEPTION AND EARLY WARNING METHOD, DEVICE AND MEDIUM FOR URBAN POWER DISTRIBUTION NETWORK RESILIENCE	2024/07/09
2024/05328	APPLICATION OF EFFECTS OF LEGUME AND GRASS COMBINATION AND PLANTING METHODS ON FORAGE YIELD IN SANDY LAND	2024/07/09
2024/05329	METHOD FOR MIXING SOWING AND FERTILIZING ON SANDY LAND FOR FORAGE PRODUCTION WITH MIXED SOWING OF LEGUME AND GRASS	2024/07/09

Application Number	Patent Title	Filing Date
2024/05330	SULFATE CORROSION-RESISTANT CONCRETE	2024/07/09
2024/05342	LIPID COMPOUNDS AND LIPID NANOPARTICLE COMPOSITIONS	2024/07/09
2024/05362	PROPAGATION METHOD OF PHOEBE ZHENNAN	2024/07/10
2024/05363	METHOD FOR INDUCING SEEDLINGS OF UNCARIAE RAMULUS CUM UNCIS	2024/07/10
2024/05395	PROCESSING METHOD FOR MAKING FRUITY BLACK TEA FROM SUMMER AND AUTUMN TEA PICKED BY MACHINE	2024/07/11
2024/05439	RPA AMPLIFICATION PRIMER SET USED FOR DETECTING GENE MTHFR POLYMORPHISM AND ITS APPLICATIONS	2024/07/12
2024/05440	RPA-PFAGO SYSTEM FOR IDENTIFYING GOOSE PARVOVIRUS AND ITS APPLICATIONS	2024/07/12
2024/05467	POOL TABLE CAPABLE OF AVOIDING BALL BOUNCE	2024/07/12
2024/05519	KIND OF LOW FISH MEAL COMPOUND FEED FOR LITOPENAEUS VANNAMEI SUITABLE FOR LOW WATER TEMPERATURE CULTURE CONDITIONS	2024/07/16
2024/06040	AN INSULATED VOLTAGE RESISTANCE DETECTION DEVICE AND A DETECTION SYSTEM THEREOF	2024/08/06
2024/06375	SUBSTITUTED 1H-PYRAZOLO [4,3-C] QUINOLINES, METHODS OF PREPARATION, AND USE THEREOF	2024/08/20
2024/06929	DOCK DRAINAGE PUMP POOL RECTIFICATION AND WHIRL ELIMINATION TEST APPARATUS AND TEST METHOD	2024/09/09
2024/07027	ELECTRIC POWER DEVICE USING GEAR TRANSMISSION	2024/09/12
2024/07246	SOLAR MOUNTING SOLUTIONS	2024/09/23
2024/07419	MULTI-NETWORK PORT PROTECTION METHOD AND APPARATUS, ELECTRONIC DEVICE, AND STORAGE MEDIUM	2024/09/30
2024/07706	INTELLIGENT TUNNEL COMPREHENSIVE CONTROL METHOD DEVICE MEDIUM AND EQUIPMENT FOR TUNNEL CONSTRUCTION	2024/10/11

Application Number	Patent Title	Filing Date
2024/07707	A HIGHWAY SOUND RECOGNITION ACCIDENT DETECTION SYSTEM	2024/10/11
2024/07708	A SENSOR-BASED ROAD ICING EARLY WARNING METHOD AND SYSTEM	2024/10/11
2024/07882	MONITORING THE TECHNICAL CONDITION OF CONVEYOR BELT COMPONENTS	2024/10/17
2024/07883	DOUBLE-FOUNDATION-PIT DOUBLE-WORKING-CONDITION CONSTRUCTION METHOD	2024/10/17
2024/08129	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING POULTRY BRONCHIAL EMBOLISM, PREPARATION, PREPARATION METHOD AND APPLICATION THEREOF	2024/10/28
2024/08191	COMPOSITE FILLER FOR ANTIMONY-CONTAINING WASTEWATER TREATMENT AND PREPARATION METHOD THEREFOR	2024/10/30
2024/08288	AUTOMATIC ASSEMBLY DEVICE FOR INTELLIGENT PRODUCTION OF BALL VALVES	2024/11/01
2024/08291	AN ELECTRIC FIELD-ENHANCED ORGANIC WASTE TREATMENT METHOD	2024/11/01
2024/08319	SUPPORT REPLACING CONSTRUCTION DEVICE FOR STEEL TUBE TRUSS OF STANDARD SECTION OF SUBWAY STATION	2024/11/04
2024/08339	AN ENERGY-SAVING SILICON MANGANESE ALLOY CASTING DEVICE AND A PRODUCTION METHOD THEREOF	2024/11/04
2024/08944	APPARATUS AND METHOD FOR FRESH AIR COOLING OF A RESIDENCE OR BUILDING	2024/11/25
2024/09226	PROTECTIVE DEVICE FOR A NEEDLE TUBE OF A SYRINGE	2024/12/02
2024/09450	PREPARATION METHOD FOR (2S,3R,4R)-4,5-DIHYDROXY ISOLEUCINE DERIVATIVE AND INTERMEDIATE	2024/12/09
2024/09541	INVERSION LINING REHABILITATION EQUIPMENT AND METHOD FOR PIPE REHABILITATION AND REINFORCEMENT	2024/12/11

Application Number	Patent Title	Filing Date
2024/09590	CALCULATION METHOD AND SYSTEM FOR TUNNEL BASE GROUTING VOLUME	2024/12/12
2024/09598	CAS PROTEIN WITH IMPROVED EDITING ACTIVITY AND USE THEREOF	2024/12/12
2024/09629	METHOD FOR PREPARING THE POLYURETHANE FOAM APPLIED IN OIL-WATER SEPARATION	2024/12/13
2024/09654	SEWAGE TREATMENT SYSTEM, CONSTRUCTION METHOD FOR SEWAGE TREATMENT SYSTEM, AND SEWAGE TREATMENT CYLINDER	2024/12/13
2024/09688	ANTI-SHEAR LOCKING CONTROL SYSTEM AND MONITORING METHOD OF TUNNEL SURROUNDING ROCKS	2024/12/17
2025/00224	COMBINATION INSTALLATION CONSTRUCTION STRUCTURE OF REACTION WALL LOADING HOLE MODULE AND CONSTRUCTION METHOD THEREOF	2025/01/07
2025/00225	STRUCTURAL COLUMN FORMWORK STRUCTURE AND ITS SPECIAL FORMWORK AND CONSTRUCTION METHOD	2025/01/07
2025/00226	SELF-REPAIRING DAMPER USED BETWEEN CONNECTING BEAMS	2025/01/07
2025/00265	METHOD AND APPARATUS FOR CLASSIFYING MAIZE STALK LODGING BASED ON HYPERGRAPH NEURAL NETWORK	2025/01/08
2025/00429	SPIRAL WINDING REPAIR DEVICE FOR UNDERGROUND PIPE	2025/01/13
2025/00479	BACILLUS SUBTILIS BC23 MEDIATED SYNTHETIC NANOSCALE OIL DISPLACEMENT AGENT AND APPLICATION	2025/01/15

DESIGNS

Advertisement List for January 2025

Number of Advertised Designs: 149

Application Number	Design Articles	Filing Date
A2021/01561	A COOLER	2021/12/23
A2021/01563	A COOLER	2021/12/23
A2022/00478	KICKING TEE	2022/05/05
A2022/01293	MINIATURE GOLF HOLES	2022/10/14
A2023/00441	TRAY FOR HOUSEHOLD GOODS	2023/04/11
A2023/00952	TABLEWARE	2023/08/31
A2023/01125	APPARATUS FOR THERMOTHERAPY	2023/10/18
A2023/01208	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01209	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01210	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01211	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01212	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01213	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01214	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01215	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2023/01216	SURGICAL STAPLER CARTRIDGES	2023/11/09
A2024/00044	VIAL AND TUBE RACK	2024/01/15
A2024/00045	VIAL AND TUBE RACK	2024/01/15
A2024/00051	FOOTWEAR	2024/01/16
A2024/00174	CONTAINERS	2024/02/09
A2024/00222	EGG BOILER	2024/02/23
A2024/00257	FASTENERS	2024/03/08
A2024/00272	FIBRE MANAGEMENT TRAY	2024/03/18
A2024/00274	SPLICE BAY CASSETTE	2024/03/18
A2024/00276	FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT	2024/03/18
A2024/00306	METERS	2024/04/02
A2024/00307	TRACTOR FT7110-IIIA OPEN STATION PLATFORM	2024/04/02
A2024/00309	A Box and a Blank for Making the Box	2024/04/02
A2024/00310	ACADEMIC GOWNS	2024/04/02
A2024/00311	ACADEMIC GOWNS	2024/04/02
A2024/00312	ACADEMIC GOWNS	2024/04/02
A2024/00313	ACADEMIC GOWNS	2024/04/02
A2024/00314	ACADEMIC GOWNS	2024/04/02
A2024/00315	ACADEMIC GOWNS	2024/04/02
A2024/00316	ACADEMIC GOWNS	2024/04/02
A2024/00317	ACADEMIC GOWNS	2024/04/02
A2024/00318	ACADEMIC GOWNS	2024/04/02
A2024/00319	ACADEMIC GOWNS	2024/04/02
A2024/00320	ACADEMIC GOWNS	2024/04/02
A2024/00321	ACADEMIC GOWNS	2024/04/02
A2024/00322	ACADEMIC GOWNS	2024/04/02
A2024/00323	ACADEMIC GOWNS	2024/04/02
A2024/00324	ACADEMIC GOWNS	2024/04/02
A2024/00325	ACADEMIC GOWNS	2024/04/02
A2024/00326	ASTRONOMICAL CLOCKS	2024/04/03
A2024/00330	Ice Tray	2024/04/04
A2024/00331	Ice Tray	2024/04/04

Application Number	Design Articles	Filing Date
A2024/00342	MOVEMENT MONITORS	2024/04/05
A2024/00347	BATTERY ENCLOSURE	2024/04/09
A2024/00349	BATTERY ENCLOSURE	2024/04/09
A2024/00350	AUTOMOBILE	2024/04/10
A2024/00358	Cup	2024/04/11
A2024/00359	Cup	2024/04/11
A2024/00360	Cup	2024/04/11
A2024/00361	Cup	2024/04/11
A2024/00362	Jar	2024/04/11
A2024/00363	MOTORCYCLES	2024/04/12
A2024/00365	AN INVERTER	2024/04/15
A2024/00366	A POWER CONTROL UNIT	2024/04/15
A2024/00368	BEVERAGE BOTTLES	2024/04/16
A2024/00374	Car	2024/04/17
A2024/00375	Toy Car	2024/04/17
A2024/00379	Tire Sidewall	2024/04/19
A2024/00384	FLIP TOP CAP WITH STORAGE	2024/04/22
A2024/00388	Camera	2024/04/24
A2024/00389	Camera	2024/04/24
A2024/00390	SCREEN DISPLAY	2024/04/24
A2024/00391	SCREEN DISPLAY	2024/04/24
A2024/00392	SCREEN DISPLAY	2024/04/24
A2024/00393	SET OF SCREEN DISPLAYS	2024/04/24
A2024/00394	BOTTLE	2024/04/24
A2024/00395	BOTTLE	2024/04/24
A2024/00396	BOTTLE	2024/04/24
A2024/00397	BOTTLE	2024/04/24
A2024/00398	SCALES	2024/04/25
A2024/00399	MILK FROTHER	2024/04/25
A2024/00402	Mattress Cover	2024/04/26
A2024/00403	Mattress Cover	2024/04/26
A2024/00404	Mattress Cover	2024/04/26
A2024/00407	TYRES AND TYRE TREAD SIDEWALLS	2024/04/30
A2024/00408	TYRES AND TYRE TREAD SIDEWALLS	2024/04/30
A2024/00409	BOTTLES	2024/04/30
A2024/00410	BOTTLES	2024/04/30
A2024/00411	BOTTLES	2024/04/30
A2024/00414	TONER CARTRIDGE	2024/05/02
A2024/00415	PROCESSING CARTRIDGE	2024/05/02
A2024/00422	AIR FRYERS	2024/05/06
A2024/00434	BOTTLE	2024/05/08
A2024/00447	COUPLING SEGMENT	2024/05/10
A2024/00455	COUPLING SEGMENT	2024/05/10
A2024/00463	TABLE INCORPORATING ADORNED CERAMICS	2024/05/17
A2024/00464	CHAIR INCORPORATING ADORNED CERAMICS	2024/05/17
A2024/00465	TABLE INCORPORATING STONE	2024/05/17
A2024/00466	ESPRESSO COFFEE MACHINE	2024/05/17

Application Number	Design Articles	Filing Date
A2024/00467	ESPRESSO COFFEE MACHINE	2024/05/17
A2024/00468	ESPRESSO COFFEE MACHINE	2024/05/17
A2024/00478	PIPE ADAPTER	2024/05/22
A2024/00480	PIPE ADAPTER	2024/05/22
A2024/00483	MATTRESS COIL SPRING WITH TIGHT TOP PITCH	2024/05/22
A2024/00484	FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/05/23
A2024/00495	HAND-HELD STEAMER	2024/05/27
A2024/00497	A SET OF ARTICLES FORMING A BUILDING UNIT	2024/05/28
A2024/00510	GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/06/04
A2024/00511	GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/06/04
A2024/00609	PHOTOVOLTAIC INVERTER	2024/06/21
A2024/00617	CONTAINER	2024/06/24
A2024/00620	GUIDE FOR A SLIDING DOOR	2024/06/25
A2024/00622	WINDPROOF COVER FOR A LIGHTER	2024/06/26
A2024/01137	OFFICE CABINETS	2024/11/05
A2024/01138	OFFICE CABINETS	2024/11/05
F2021/01562	A COOLER	2021/12/23
F2021/01564	A COOLER	2021/12/23
F2022/00253	A FIRELIGHTER	2022/03/11
F2022/00974	GRID	2022/08/22
F2023/00195	A DRILL BIT	2023/02/13
F2023/00442	TRAY FOR HOUSEHOLD GOODS	2023/04/11
F2023/00920	CONTAINER	2023/08/22
F2024/00049	Panel Lock Mechanism	2024/01/16
F2024/00273	FIBRE MANAGEMENT TRAY	2024/03/18
F2024/00275	SPLICE BAY CASSETTE	2024/03/18
F2024/00277	FIBRE MANAGEMENT TRAY AND SPLICE BAY CASSETTE ARRANGEMENT	2024/03/18
F2024/00308	A Structural Spacer Member for a Rock Bolt	2024/04/02
F2024/00329	CLOSURE MEANS	2024/04/04
F2024/00348	BATTERY ENCLOSURE	2024/04/09
F2024/00351	GASKET	2024/04/10
F2024/00352	GASKET	2024/04/10
F2024/00354	GASKET	2024/04/10
F2024/00355	GASKET	2024/04/10
F2024/00356	GASKET	2024/04/10
F2024/00357	SPARE WHEEL COVER	2024/04/11
F2024/00377	Wheeled Walking Aid	2024/04/18
F2024/00454	COUPLING SEGMENT	2024/05/10
F2024/00456	COUPLING SEGMENT	2024/05/10

Application Number	Design Articles	Filing Date
F2024/00458	TRAILER	2024/05/14
F2024/00479	PIPE ADAPTER	2024/05/22
F2024/00481	PIPE ADAPTER	2024/05/22
F2024/00482	COIL SPRING WITH TIGHT TOP PITCH	2024/05/22
F2024/00485	FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/05/23
F2024/00490	ANTENNA ASSEMBLY	2024/05/24
F2024/00491	ANTENNA ASSEMBLY	2024/05/24
F2024/00512	GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/06/04
F2024/00513	GRATE SEGMENT FOR AGRICULTURAL COMBINE HARVESTER CONCAVES	2024/06/04
F2024/00598	WEARABLE HARVESTING AID	2024/06/20
F2024/00599	CONTAINER	2024/06/20
F2024/00621	GUIDE FOR A SLIDING DOOR	2024/06/25
F2024/01031	VEHICLE	2024/10/09
F2024/01086	DOOR ACCESSORY	2024/10/17

OTHER PRACTICE NOTICES



**NOTICE TO CUSTOMERS TO COMPANIES AND INTELLECTUAL PROPERTY COMMISSION
CUSTOMERS**

2025 SCHEDULE FOR ONLINE PUBLICATION OF THE PATENT JOURNAL

Please take note of the below dates regarding XML and online submissions for purposes of publishing in the Patent Journal. Further take note of the Patent Journal publication dates.

Month	Opening dates	Cut-off dates	Journal Publication Dates
January	02-January-2025	20-January-2025	29-January-2025
February	30-January-2025	17-February-2025	26-February-2025
March	27-February-2025	17-March-2025	26-March-2025
April	27-March-2025	22-April-2025	30-April-2025
May	02-May-2025	19-May-2025	28-May 2025
June	29-May-2025	17-June-2025	25-June-2025
July	26-June-2025	21-July-2025	30-July-2025
August	31-July-2025	18-August-2025	27-August-2025
September	28-August-2025	15-September-2025	25-September-2025
October	26-September-2025	20-October 2025	29-October-2025
November	30-October-2025	17-November-2025	26-November-2025
December	27-November-2025	08-December-2025	17-December-2025
January	02-January-2026	19-January-2026	28-January-2026

The above dates may be changed without a notice.

vskosana

Ms Velaphi Skosana

Senior Manager: Patents and Designs Registry
Patents, Design & Innovation Division

14/01/2025

The dtic Campus (Block F - Entfufukweni), 77 Meintjies Street, Sunnyside, Pretoria P O Box 429, Pretoria, 0001
Call Centre: 086 100 2472
Website: www.cipc.co.za