PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

FEBRUARY 2024 **VOL 57 • No. 02**

Companies and Intellectual Property Commission
a member of the dtic group

Part II of II

ISSUED MONTHLY **DATE OF ISSUE: 28 FEBRUARY 2024**

ISSN 2223-4837

PATENT JOURNAL

INCLUDING TRADE MARKS, DESIGNS AND COPYRIGHT IN CINEMATOGRAPH FILMS

VOL. 57 No. 02 **Date of Issue: 28 FEBRUARY 2024**

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) 74
CHANGE OF NAME IN TERMS OF REGULATION 39 74
PATENT LICENSES IN TERMS OF SECTION 60-REGULATIONS 58-60 AND 64 74
PATENT APPLICATIONS ABANDONED OR WITHDRAWN 74
APPLICATION FOR A RESTORATION OF A LAPSED PATENT 74
VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT 75
APPLICATION FOR CORRECTION IN TERMS OF SECTION 50 75
APPLICATIONS TO AMEND SPECIFICATION 76
INSPECTION OF SPECIFICATIONS 76
HYPOTHECATIONS 317
JUDGMENTS 317
OFFICE PRACTISE NOTICES 317
3. DESIGNS 319
APPLICATIONS FOR REGISTRATION OF DESIGNS IN TERMS OF ACT No. 195 OF 1993 320
CHANGE OF NAME IN TERMS OF REGULATION 24 325
APPLICATION FOR THE RESTORATION OF A LAPSED DESIGN UNDER SECTION 23 OF THE ACT 325
APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION 325
NOTICE OF REGISTRATION OF DESIGNS 325
HYPOTHECATIONS 367
JUDGMENTS 367
OFFICE PRACTISE NOTICES 367
4. COPYRIGHT 368
NOTICES OF ACCEPTANCE 369
HYPOTHECATIONS 370
JUDGMENTS 370
OFFICE PRACTISE NOTICES 370
5. CORRECTION NOTICES 371
TRADE MARK CORRECTION NOTICES 372
PATENT CORRECTION NOTICES 372
COPYRIGHT CORRECTION NOTICES 373
PATENTS 374
DESIGNS 408
OTHER NOTICES 411

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. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)** Title of invention. **(00)** Number of sheets.

. - APPLIED ON 2024/01/29 -

2024/00934 ~ Complete ~54:METHOD FOR EXTRACTING LITHIUM ELEMENT FROM WASTE LITHIUM-ION BATTERIES ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: DONG Peng;FEI Zitong;MENG Qi;SU Yongyou~

2024/00938 ~ Complete ~54:DEEP LEARNING METHOD FOR FREQUENCY-BASED SYNTHETIC CT IMAGES FROM MRI ~71:The First Affiliated Hospital, Sun Yat-sen University, No.58 Zhongshan Er Road, Guangzhou, Guangdong Province, 510080, People's Republic of China ~72: CHEN Jinping;HU Bin;LUO Yu;TAN Yiheng;WANG Haijun;WANG Jiaming;WANG Zongming;YAO Shun;ZHANG Shaowei~ 33:CN ~31:2023117681536 ~32:21/12/2023

2024/00942 ~ Complete ~54:A PRODUCT COLOR SPRAYING DEVICE FOR INDUSTRIAL DESIGN ~71:Jiaxing Vocational and Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Tianxing Wang~

2024/00953 ~ Complete ~54:SEED ACCELERATOR ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy~ 33:US ~31:63/262,361 ~32:11/10/2021;33:US ~31:63/262,362 ~32:11/10/2021

2024/00959 ~ Complete ~54:COMPOUNDS FOR THE TREATMENT OF PAIN, IN PARTICULAR NEUROPATHIC PAIN, AND/OR OTHER DISEASES OR DISORDERS THAT ARE ASSOCIATED WITH AT2R AND/OR AT2R MEDIATED SIGNALING ~71:Confo Therapeutics N.V., Technologiepark 30, GENT-ZWIJNAARDE 9052, BELGIUM, Belgium ~72: DE BLIECK, Ann;MENET, Christel Jeanne Marie~ 33:US ~31:63/227,552 ~32:30/07/2021;33:US ~31:63/227,555 ~32:30/07/2021

2024/00963 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND FORMULATIONS FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;PEIYI SHEN;ROMESH R SUBRAMANIAN;SCOTT HILDERBRAND;SEAN SPRING;TIMOTHY WEEDEN~ 33:US ~31:63/220,426 ~32:09/07/2021

2024/00968 ~ Complete ~54:B7H6 ANTIBODY AND USE THEREOF ~71:HEFEI TG IMMUNOPHARMA CO., LTD., Room #2001, Building 1#C, Hefei innovation and entrepreneurship park, 268 Furong Road, Jingkai District, Hefei, People's Republic of China ~72: CAO, Guoshuai;SUN, Haoyu;SUN, Rui;TIAN, Zhigang;XIAO, Weihua~ 33:CN ~31:202111485380.9 ~32:07/12/2021

2024/00969 ~ Provisional ~54:BRICK MAKING MACHINE ~71:Nkosi Mohau Petrus, 01 Pheletso Street, South Africa ~72: Nkosi Mohau Petrus~

2024/01178 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JAMES MCSWIGGEN;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/219,999 ~32:09/07/2021

2024/00949 ~ Complete ~54:A DETECTION METHOD FOR EXOSOMES CONTAINING PTK-7 ~71:GUANGDONG MEDICAL UNIVERSITY, No.1 Xincheng Blvd, Songshan Lake National High-tech Industrial Development Zone, Dongguan City, People's Republic of China ~72: CHEN, Huizhi;ZHOU, Yubin;ZHU, Xiaoxian~ 33:CN ~31:202310825282.8 ~32:06/07/2023

2024/00935 ~ Complete ~54:NETWORK SECURITY PROTECTION TERMINAL ~71:Jiaxing Vocational and Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Xinjie Fu~

2024/00946 ~ Complete ~54:GPU CARD HEALTH MANAGEMENT METHOD FOR DISTRIBUTED MULTI-GPU SERVER SYSTEM ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: CAI, Pan;FENG, Xia;LIN, Yongming;LIU, Enping;LIU, Sujun~

2024/00955 ~ Complete ~54:CYCLOPROPYL-(HETERO)ARYL-SUBSTITUTED ETHYLSULPHONYLPYRIDINE DERIVATIVES ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany;NIHON NOHYAKU CO., LTD, 19-8, Kyobashi 1- Chome, Japan ~72: GAGNEPAIN, Julien;HERLÉ, Bart;KOOLMAN, Hannes Fiepko;LONG, Alan;MEIER, Robin;YONEMURA, Ikki~ 33:US ~31:63/243,561 ~32:13/09/2021;33:EP ~31:21198461.2 ~32:23/09/2021

2024/00958 ~ Complete ~54:INTEGRATED PROCESS FOR THE SYNTHESIS OF AMMONIA AND NITRIC ACID ~71:Casale SA, Via Pocobelli 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: BIALKOWSKI, Michal Tadeusz;CORBETTA, Michele;MASANTI, Matteo;OLDANI, Fabio;OSTUNI, Raffaele~ 33:EP ~31:21188921.7 ~32:30/07/2021

2024/00962 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING MYOTONIC DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;STEFANO ZANOTTI;TIMOTHY WEEDEN;TYLER PICARIELLO~ 33:US ~31:63/220,000 ~32:09/07/2021;33:US ~31:63/316,905 ~32:04/03/2022

2024/00964 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JAMES MCSWIGGEN;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/219,977 ~32:09/07/2021

2024/00933 ~ Provisional ~54:SENSITISER STORAGE BOX ~71:GIAN-MAURO MORETTI, 43 tenth street, South Africa ~72: GIAN-MAURO MORETTI~

2024/00945 ~ Complete ~54:SYSTEM FOR MANAGING HEALTH DATA BY USING HYBRID CLOUD ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LI, Tao;LIU, Enping;LUO, Guilin;YANG, Baicheng~

2024/00952 ~ Complete ~54:SEED ACCELERATOR ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy~ 33:US ~31:63/262,360 ~32:11/10/2021

2024/00954 ~ Complete ~54:SEED ACCELERATOR ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy~ 33:US ~31:63/262,361 ~32:11/10/2021;33:US ~31:63/262,362 ~32:11/10/2021

2024/00950 ~ Complete ~54:TRANSCRIPTION ACTIVATOR-LIKE EFFECTORS FUSED TO INTEINS ~71:CIBUS EUROPE B.V., Goessestraatweg 19, 4421 AD, Kapelle, Netherlands;CIBUS US LLC, 6455 Nancy Ridge Drive, San Diego, CA, 92121, United States of America ~72: WILLIAMS, Robert W.;WIXON, Sara~ 33:US ~31:63/219,291 ~32:07/07/2021

2024/00931 ~ Provisional ~54:PROCESS FOR THE BENEFICIATION OF FLUORSPAR ~71:INNOVATIVE MANGANESE TECHNOLOGIES SA (PTY) LTD., 97 Broadbury Circle, Cornwall Hill Estate, IRENE 0178, Gauteng Province, SOUTH AFRICA, South Africa ~72: PRETORIUS, Gerard~

2024/00937 ~ Complete ~54:RESOURCEFUL TREATMENT METHOD OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: DONG Peng;FAN Yi;FEI Zitong;MENG Qi~

2024/00940 ~ Complete ~54:A MULTI-POINT CLAMPING STRUCTURAL PART FOR INDUSTRIAL DESIGN ~71:Jiaxing Vocational and Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Tianxing Wang~

2024/00947 ~ Complete ~54:METHOD FOR MANAGING HEALTH DATA USING TERAHERTZ TECHNOLOGY ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LI, Tao;LIU, Enping;LUO, Guilin;YANG, Baicheng~

2024/00956 ~ Complete ~54:AGRICULTURAL SAMPLE PACKAGING SYSTEM FOR EXTRUDING A SOIL SAMPLE ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;O'NEALL, Matthew;SWANSON, Todd~ 33:US ~31:63/245,278 ~32:17/09/2021;33:US ~31:63/264,059 ~32:15/11/2021;33:US ~31:63/264,062 ~32:15/11/2021;33:US ~31:63/264,065 ~32:15/11/2021;33:US ~31:63/370,072 ~32:01/08/2022;33:US ~31:63/370,077 ~32:01/08/2022

2024/00957 ~ Complete ~54:METHODS AND SYSTEMS FOR LIQUEFACTION OF CARBONACEOUS MATERIALS ~71:QWAVE SOLUTIONS INC., 326 First Avenue Hyde Park, United States of America ~72: BADAC, Jeffrey;BOOTH, Ryan;CONROY, Wesley;HARRIS, Kaitlin;RALEIGH, Cliff;SCHLAEGLE, Steven;TROIANO, Richard~ 33:US ~31:63/227,406 ~32:30/07/2021

2024/00960 ~ Complete ~54:OPTIMIZED MULTABODY CONSTRUCTS, COMPOSITIONS, AND METHODS ~71:THE GOVERNING COUNCIL OF THE UNIVERSITY OF TORONTO, 100 College Street, Suite 413, Toronto, Ontario, M5G 1L5, Canada;THE HOSPITAL FOR SICK CHILDREN, 555 University Avenue, Toronto, Ontario, M5G 1X8, Canada ~72: BEBHINN TREANOR;EDURNE RUJAS DIEZ;JEAN-PHILIPPE JULIEN;TIAN TIAN ZHAO~ 33:US ~31:63/220,920 ~32:12/07/2021;33:US ~31:63/289,016 ~32:13/12/2021

2024/00961 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JAMES MCSWIGGEN;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/220,016 ~32:09/07/2021;33:US ~31:63/316,466 ~32:04/03/2022

2024/00965 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JAMES MCSWIGGEN;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/220,108 ~32:09/07/2021

2024/00967 ~ Complete ~54:LIQUID PROLIPOSOME COMPOSITION OF PLANT PROTECTION AGENTS AND METHOD OF MAKING SAME ~71:SYVENTO SP. Z O.O., ul. Za Gora 19, Poland ~72: CYZA, Malgorzata;LIPKA, Dominik;ZAWILSKA, Patrycja~ 33:PL ~31:P.438569 ~32:22/07/2021

2024/00936 ~ Complete ~54:COMPOSITE SULFUR-BASED REDUCING AGENT AND APPLICATION THEREOF IN PREPARING REGENERATED TERNARY LITHIUM BATTERY CATHODE MATERIAL ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: DONG Peng;FEI Zitong;MENG Qi;ZHANG Yingjie~

2024/00939 ~ Complete ~54:LEGAL CONSULTATION SERVICE SYSTEM FOR URBAN AND RURAL CONSTRUCTION ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GAO Sheng;GU Sen;PAN Qiaohong;WANG Shaocheng;ZHANG Jiong;ZHAO Kehui~

2024/00943 ~ Complete ~54:A CROP YIELD ESTIMATION METHOD BASED ON REMOTE SENSING IMAGE AND METEOROLOGICAL DATA ~71:BAO, Junwei, No. 22, Zhaojun Road, Yuquan District, Hohhot, People's Republic of China ~72: BAO, Junwei;CHE, Youwei;GUO, Baomin;GUO, Jia;GUO, Shuting;HOU, Zhihui;JI, Shiyu;Tingting REN;WANG, Baolin;WU LAN, Tuya;WU YUN, Deji~

2024/00966 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JAMES MCSWIGGEN;JOHN NAJIM;KIM TANG;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/220,030 ~32:09/07/2021

2024/00932 ~ Provisional ~54:PLASTIC PROTECTION ENCLOSURE ~71:TIP TOP TOWERS (PTY) LTD., Farm 66 Bushy Park, Chelsea, PORT ELIZABETH 6070, Eastern Cape, SOUTH AFRICA, South Africa ~72: DELPORT, Richard Allan~

2024/00941 ~ Complete ~54:SOIL INFORMATION ACQUISITION AND FEEDBACK DEVICE BASED ON INTERNET OF THINGS ~71:Hebei Chemical & Pharmaceutical College, No.88 Fangxing Road, Shijiazhuang City, Hebei Province, China, 050026, People's Republic of China ~72: Yun Cui~

2024/00944 ~ Complete ~54:CALCULATION METHOD AND SYSTEM FOR INHERENT DEFORMATION OF WELDED JOINTS ~71:YANSHAN UNIVERSITY, No. 438 West Hebei Avenue, Haigang District, Qinhuangdao, People's Republic of China ~72: BI, Jiang;LI, Jun;LI, Wen;YUAN, Xiaoming;ZHANG, Lijie;ZHANG, Liping~ 33:CN ~31:202311817157.9 ~32:27/12/2023

2024/00948 ~ Complete ~54:HEALTH DATA MANAGEMENT METHOD AND SYSTEM BASED ON SILICON PHOTONICS TECHNOLOGY ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4/F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIN, Yongming;LIU, Enping;LIU, Sujun;WANG, Shengxiang~

2024/00951 ~ Complete ~54:PROCESS FOR KEEPING A SURFACE CLEAR WHICH IS SUSCEPTIBLE TO INORGANIC OR ORGANIC DEPOSITS ~71:HASYTEC ELECTRONICS AG, Liebigstraße 17, Germany ~72: HOFFMANN, Andreas;KELLING, Jan Peter~ 33:DE ~31:10 2021 121 611.7 ~32:20/08/2021

. - APPLIED ON 2024/01/30 -

2024/00971 ~ Provisional ~54:AN ENERGY EFFICIENT SMART BED ~71:PALE, Gift, 312 Donne Crescent, South Africa ~72: PALE, Gift~

2024/00997 ~ Complete ~54:CATALYST SUPPORT STRUCTURES AND METHODS ~71:UNIVERSITY OF CAPE TOWN, Lovers Walk, Rondebosch, South Africa ~72: CLAEYS, Michael Christian Maximilian;FISCHER, Nico Frederik~ 33:GB ~31:2109417.2 ~32:30/06/2021

2024/00978 ~ Complete ~54:A ZONING WATER PREVENTING METHOD FOR HEAVY-WATER DEPOSITS ~71:Changsha Institute of Mining Research, Co., Ltd, No. 343, South Lu Shan Road, Yuelu District, Changsha City, Hunan Province, People's Republic of China ~72: Chao Gao;Chengmin Zhu;Lei Xu;Shiping Xie;Weigong Yi;Zhu Yang~ 33:CN ~31:202310976994.X ~32:04/08/2023

2024/00985 ~ Complete ~54:SYSTEM AND METHOD OF THE PRODUCTION AND ISOLATION OF CHARGED RADIONUCLIDES ~71:NUCLEAR RESEARCH AND CONSULTANCY GROUP, 1755 ZG Petten, Netherlands ~72: BAKKER, Klaas;BUCHATSKAYA, Yulia;DE GROOT, Sander;NIEUWLAND, Pieter Jos;VAN DER BORN, Dion;ZWAAGSTRA, Oene~ 33:EP ~31:21190882.7 ~32:11/08/2021

2024/00975 ~ Complete ~54:LOW-CARBON CEMENTITIOUS MATERIAL, PREPARATION METHOD AND APPLICATION THEREOF ~71:Ningxia Jiyuan Juntai New Material Technology Co.Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;Ningxia Jiyuan Metallurgical Group Co.,Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing, 100000, People's Republic of China ~72: MO Junhong;MO Junning;MO Ruihao;QIU Zhiqiang;WANG Jie;WANG Zhiqing;WU Pengfei;YANG Jiaqing;ZHANG Suxian;ZHANG Yanbin~ 33:CN ~31:202311445293X ~32:02/11/2023

2024/00981 ~ Complete ~54:CATALYST FOR DEGRADING ORGANIC WASTEWATER 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 Zhuo;LUO Hongyu;MAO Yanli;PENG Lansi;YU Xiuna~

2024/00973 ~ Provisional ~54:COMPUTER-IMPLEMENTED SERVICE PROVIDER PLATFORM ~71:Bright Teeth with Dr Bafana (Pty) Ltd, F120 Osizweni, South Africa ~72: SIBANYONI, Joyce Thandi;SIBANYONI, Vusumuzi Isaac~

2024/00977 ~ Complete ~54:GLUCAGON-LIKE PEPTIDE 1 RECEPTOR AGONISTS AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: DAVIS, Samuel;GROMADA, Jesper;MURPHY, Andrew, J.;OKAMOTO, Haruka;WEI, Yang~ 33:US ~31:62/562,283 ~32:22/09/2017

2024/00980 ~ Complete ~54:VISUAL COMMUNICATION DISPLAY DEVICE ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GAO Peng;HUANG Wei;LI Shuting;LI Siyuan;REN Huijuan;TANG Xihui;WANG Xiaoning~

2024/00982 ~ Complete ~54:BELT CONVEYOR FOR DISMOUNTING AND MOUNTING SINGLE SUPPORT FRAME WITHOUT STOPPING ~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: FENG Baozhong;HU Qiulin;LAN Chunsen;MA Liwei;MA Yupeng;MAI Lin;TONG Jianzhong;WANG Hao;WANG Ning;YANG Hai;YANG Jie;YANG Ping;ZHANG Cheng~

2024/00984 ~ Complete ~54:CEMENT CLINKER PREPARED BY MICROWAVE ON LARGE SCALE AND PREPARATION METHOD THEREOF ~71:Zhengzhou University of Aeronautics, No. 15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Dong Binbin;Fan Bingbing;Fu Ruijie;Guan Li;Min Zhiyu;Song Bozhen;Wang Gaoyuan;Wang Hailong;Wang Xulei;Zhang Rui;Zhang Xinyue~ 33:CN ~31:202310054840.5 ~32:03/02/2023

2024/00993 ~ Complete ~54:GRAPHICAL USER INTERFACE SYSTEM GUIDE MODULE ~71:Methodical Mind, LLC., 1601 Research Blvd., ROCKVILLE 20850, MD, USA, United States of America ~72: NG, Kin;OBEROI, Pankaj;PANG, Louis W.;ROQUES, Edward J.S.;SIGAL, George;VOCK, Michael;WOHLSTADTER, Jacob N.~ 33:US ~31:63/224,181 ~32:21/07/2021

2024/00998 ~ Complete ~54:AXIAL PISTON PUMP MOUNTING FLANGE CONFIGURATION ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: HOPF, Darren Joseph;MALLEIN, Brice;MICKIEWICZ, Matthew G.;RAMALHO, Stive;ROUSSEAU, Paul Alan;SPEICHINGER, Justin Douglas~ 33:US ~31:17/393,685 ~32:04/08/2021

2024/00983 ~ Complete ~54:POLYMER PROTEIN MICROPARTICLES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: HUNTER CHEN;SCOTT WALSH~ 33:US ~31:61/561,525 ~32:18/11/2011

2024/00988 ~ Complete ~54:AAK1 INHIBITOR AND USE THEREOF ~71:XIZANG HAISCO PHARMACEUTICAL CO., LTD., Xingfu Jiayuan Economic Development Zone, Jieba Town, Naidong District, Lhoka, Tibet, 856099, People's Republic of China ~72: CHEN ZHANG;CHENGLONG DU;FENGKAI CHENG;HAOLIANG ZHANG;LONG WANG;PANGKE YAN;PINGMING TANG;WENJING WANG;XIAOZHUAN ZHANG;XIN LIU;YAN YU;YAO LI;ZONGJUN SHI~ 33:CN ~31:202110801701.5 ~32:15/07/2021;33:CN ~31:202111105950.7 ~32:22/09/2021;33:CN ~31:202111324545.4 ~32:10/11/2021;33:CN ~31:202111465224.6 ~32:03/12/2021

2024/00992 ~ Complete ~54:SEALING ARRANGEMENT ~71:Andritz Oy, Tammasaarenkatu 1, HELSINKI 00180, FINLAND, Finland ~72: HAMMARBERG, Tommi;HIRVASNIEMI, Sonja~ 33:FI ~31:20215776 ~32:02/07/2021

2024/00994 ~ Complete ~54:CYANOPYRIDINE AND CYANOPYRIMIDINE BCL6 DEGRADERS ~71:Dana-Farber Cancer Institute, Inc., 450 Brookline Avenue, BOSTON 02215, MA, USA, United States of America ~72: CHE, Jianwei;CRUITE, Justin;FERRAO, Silas;HUANG, Huang;JONES, Lyn Howard;KONG, Nikki;LIU, Yingpeng~ 33:US ~31:63/228,303 ~32:02/08/2021;33:US ~31:63/352,063 ~32:14/06/2022

2024/00970 ~ Provisional ~54:FORMWORK SUPPORT ~71:Francois Meyer, 7 Clifton road, South Africa ~72: Francois Meyer~

2024/00974 ~ Complete ~54:SILICON-MANGANESE SLAG-BASED LOW-CARBON CEMENTITIOUS MATERIAL FOR RECYCLING INDUSTRIAL SOLID WASTES AND PREPARATION METHOD THEREOF ~71:Ningxia Jiyuan Juntai New Material Technology Co.Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;Ningxia Jiyuan Metallurgical Group Co.,Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing,

100000, People's Republic of China ~72: MO Junhong;MO Junning;MO Ruihao;QIU Zhiqiang;WANG Jie;WANG Zhiqing;WU Pengfei;YANG Jiaqing;ZHANG Suxian;ZHANG Yanbin~ 33:CN ~31:202311452813X ~32:03/11/2023

2024/00976 ~ Complete ~54:AUTOMATIC RECOVERY AND TREATMENT DEVICE FOR WASTE LITHIUM ION BATTERY CATHODE PIECES ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: DONG Peng;FEI Zitong;LUO Yun;MENG Qi~

2024/00986 ~ Complete ~54:FORMULATIONS ~71:Immunocore Limited, 101 Park Drive, Milton Park, ABINGDON OX14 4RY, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: EBNER, Martin;GRUDZIEN, Lukasz;JOHNSON, Andy~ 33:GB ~31:1900658.4 ~32:17/01/2019;33:GB ~31:1905105.1 ~32:10/04/2019

2024/00989 ~ Complete ~54:HETEROARYL COMPOUNDS FOR TREATING HUNTINGTON'S DISEASE ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: ANURADHA BHATTACHARYYA;GARY MITCHELL KARP;GUANGMING CHEN;HONGYU REN;JANA NARASIMHAN;MATTHEW G WOLL;MATTHEW S EASTWOOD;NADIYA SYDORENKO;NANJING ZHANG;RAUFUL ALAM;SEYEDMORTEZA HOSSEYNI;SURESH BABU;YAO JIANG;YOUNG-CHOON MOON~ 33:US ~31:63/203,761 ~32:30/07/2021

2024/00991 ~ Complete ~54:GAS VALVE FOR A VENTILATION APPARATUS AND A CIRCUIT FOR A VENTILATION SYSTEM ~71:VYAIRE MEDICAL INC., 26125 N. Riverwoods Blvd., United States of America ~72: Christopher M. VARGA;Martin Björn HESS;Matthias VAN DER STAAY~

2024/00995 ~ Complete ~54:SALTS AND SOLID STATE FORMS OF A KIF18A INHIBITOR COMPOUND ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: AGARWAL, Prashant;FROHN, Michael J.;PARK, Hyunsoo;ROTHELI, Andreas R.;WU, Tian~ 33:US ~31:63/224,208 ~32:21/07/2021

2024/00972 ~ Provisional ~54:A PIPE COUPLING AND SYSTEM ~71:DE REUCK (Jnr), Dudley Howard, 5 Green Way, Mountainside, Gordon's Bay, Cape Town 7151, SOUTH AFRICA, South Africa;DE REUCK (Snr), Dudley Howard, 5 Green Way, Mountainside, Gordon's Bay, Cape Town 7151, SOUTH AFRICA, South Africa;DE REUCK, Willem Sarel, 70 Herschell Street, Strand, Cape Town 7140, SOUTH AFRICA, South Africa ~72: DE REUCK (Jnr), Dudley Howard;DE REUCK (Snr), Dudley Howard;DE REUCK, Willem Sarel~

2024/00987 ~ Complete ~54:PROCESSES AND SYSTEMS FOR PRODUCING A NICKEL SULFATE PRODUCT ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: RALF BOEHLING;SABINE FRISCHHUT;STEFAN PICHLMAIR;VINCENT SMITH~ 33:EP ~31:21188970.4 ~32:30/07/2021

2024/00990 ~ Complete ~54:METHOD FOR SHREDDING AND RECYCLING USED BIG-BAGS AND FACILITY FOR IMPLEMENTING THE METHOD ~71:ALL SUN, 10 Rue des Chasse-Marée, France;TECHNI-TERRE, 2 route du Mesnil Guilbert, France ~72: DURAND, Rémi;GIRODET, Laurent;LETIERCE, Luc;TOURNERIE, Jean-Pierre~ 33:EP ~31:21189417.5 ~32:03/08/2021

2024/00996 ~ Complete ~54:INEBILIZUMAB AND METHODS OF USING THE SAME IN THE TREATMENT OR PREVENTION OF IGG4-RELATED DISEASE ~71:Viela Bio, Inc., 1 Horizon Way, DEERFIELD 60015, IL, USA, United States of America ~72: CIMBORA, Daniel;DRAPPA, Jorn;FALLOON, Judith;KATZ, Eliezer~ 33:US ~31:63/232,131 ~32:11/08/2021;33:US ~31:63/285,297 ~32:02/12/2021

2024/00999 ~ Complete ~54:GRID BEAM SYSTEM FOR SLAB FORMWORK ~71:PERI SE, Rudolf-Diesel-Strasse 19, Germany ~72: ARUN, KS;RAO, CNVS;RATHOD, Ankush;ROUTH, Anibrata;SHARANAPPA, A~ 33:IN ~31:202111034969 ~32:03/08/2021;33:IN ~31:202111049578 ~32:29/10/2021;33:IN ~31:202211011077 ~32:01/03/2022

2024/00979 ~ Complete ~54:COMBINATION FOR CONTROLLING SOUTHERN ROOT-KNOT NEMATODES AND APPLICATION THEREOF ~71:Panzhihua City Company Branch of Sichuan Tobacco Company, No. 31 Longzhu Road, East District, Panzhihua City, Sichuan Province, 617000, People's Republic of China;Yunnan Lvye Biological Control Technology Co., Ltd., 24, Building 3, No. 21 Dongfeng South Road, High Tech Zone, Yuxi City, Yunnan Province, 653100, People's Republic of China ~72: BAI, Jialin;DING, Zhengjiao;FENG, Jun;PAN, Xingbing;REN, Wei;WANG, Zhengbing;WU, Caimi;YAN, Fangfang;YANG, Qingqing;ZHANG, Yingjie;ZHANG, Zongjin~

. - APPLIED ON 2024/01/31 -

2024/01030 ~ Complete ~54:NOVEL BETA-CAROTENE 15,15-OXYGENASE VARIANT AND RETINOID PRODUCTION METHOD USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: KIM, Jae Eung;LEE, Dong Pil;LEE, Peter;PARK, Hye Min~ 33:KR ~31:10-2021-0093034 ~32:15/07/2021

2024/01041 ~ Complete ~54:“WEARABLE FOREARM GEAR FOR ACHILLES TENDON STRETCHER” ~71:NIKAM, PRASANNAJEET PRAMOD, Department of Sports Physiotherapy, KrishnaInstitute ofMedicalSciences, Near Dhebewadi Road,Malkapur, Karad, Maharashtra, 415110, India ~72: NIKAM, PRASANNAJEET PRAMOD~ 33:IN ~31:202121031288 ~32:12/07/2021

2024/01014 ~ Complete ~54:PNEUMATIC FILM IMPURITY SEPARATION AND RESIDUAL FILM RECYCLING MACHINE ~71:NORTHWEST A&F UNIVERSITY, NORTHWEST A & F UNIVERSITY, NO.3 TAICHENG ROAD, People's Republic of China ~72: ALIAKSANDR, Ivanistau;FENG, Baili;GAO, Xiaoli;LI, Jiang;LIANG, Jibao;WANG, Honglu;XU, Liang;YANG, Qinghua~

2024/01020 ~ Complete ~54:TOY WATER BALL ~71:DONGGUAN YUEYING RUBBER CO., LTD., Room 1101, Building 6, Jin Long You Yi Cheng, No. 81, Jinfeng Road, Fenggang Town, Dongguan City, People's Republic of China ~72: XIONG, Bin~ 33:CN ~31:202320769008.9 ~32:07/04/2023

2024/01025 ~ Complete ~54:SALT TOLERANT PLANTS ~71:ALORA INNOVATIONS INC., 479 Jessie Street, San Francisco, United States of America;HORNBY, Rory James, c/o Velocity, 151 Charles Street West, Suite 199, Canada;YOUNG, Luke, c/o Velocity, 151 Charles Street West, Suite 199, Canada ~72: HORNBY, Rory James;YOUNG, Luke~ 33:GB ~31:2111268.5 ~32:04/08/2021;33:GB ~31:2111563.9 ~32:11/08/2021

2024/01001 ~ Provisional ~54:BUOYANCY COMPENSATOR INTEGRATED WEIGHT SYSTEM ~71:RHYS JAMES COUZYN, 14 Ilanga, Simbithi Eco Estate, Shakas Rock Road, South Africa ~72: COUZYN, Rhys James~

2024/01016 ~ Complete ~54:STABILITY MONITORING SYSTEM FOR FRACTURED ROCK SLOPE ~71:Huzhou Vocational and Technical College, No.299,Xuefu Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: CHEN Liangliang;NIU Jiangrui;SU Yingqiang;SUN Lu~

2024/01035 ~ Complete ~54:TREATMENT OF AGING FRAILTY COMPRISING ADMINISTERING BONE MARROW DERIVED MESENCHYMAL STEM CELLS ~71:LONGEVERON INC., 1951 NW 7th Avenue, Suite 520, Miami, Florida 33136, United States of America ~72: ANTHONY A OLIVA;BEN HITCHINSON;JOSHUA M HARE~ 33:US ~31:63/261,092 ~32:10/09/2021

2024/01045 ~ Complete ~54:COMPOSITIONS AND METHODS FOR MYOSIN HEAVY CHAIN BASE EDITING ~71:The Board of Regents of the University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA, United States of America ~72: BASSEL-DUBY, Rhonda;CHAI, Andreas;OLSON, Eric N.~ 33:US ~31:63/217,618 ~32:01/07/2021;33:US ~31:63/218,221 ~32:02/07/2021

2024/01049 ~ Complete ~54:AN AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: CHAO, Zhang;GUANGHUI, Li;SUTTON, Joesph;XIAOFENG, Xu~ 33:GB ~31:2112404.5 ~32:31/08/2021

2024/01052 ~ Provisional ~54:PUBLIC ALERT "PA" ~71:MZIMKHULU NKABINDE, 1286 Mokoena Str Orlando East Soweto, South Africa;PHILA STANFORD MCANYANA, 24 Yellowood Crescent Aspen Hills, South Africa ~72: MZIMKHULU NKABINDE;PHILA STANFORD MCANYANA~

2024/01000 ~ Provisional ~54:MODULAR DRIP IRRIGATION SYSTEM FOR CONTROLLED PLANT WATERING ~71:Sitholokuhle Ndwandwe, 24 Fredman Drive , Sandown, Sandton, South Africa ~72: Sitholokuhle Ndwandwe~

2024/01021 ~ Complete ~54:FOLDABLE ACCOMPANYING BED ~71:Quzhou People's Hospital, 100 Minjiang Avenue, Kecheng District, Quzhou, Zhejiang, People's Republic of China ~72: Sufang Ye;Xinmei Zhang~

2024/01024 ~ Complete ~54:AGRICULTURAL SAMPLING SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale;O'NEALL, Matthew;SWANSON, Todd~ 33:US ~31:63/260,772 ~32:31/08/2021;33:US ~31:63/260,776 ~32:31/08/2021;33:US ~31:63/260,777 ~32:31/08/2021

2024/01032 ~ Complete ~54:1'-ALKYL MODIFIED RIBOSE DERIVATIVES AND METHODS OF USE ~71:SANEGENE BIO USA INC., 1 Broadway, FL 14, United States of America ~72: CAI, Xiaochuan;WANG, Weimin~ 33:US ~31:63/229,628 ~32:05/08/2021

2024/01007 ~ Complete ~54:BATTERY THERMAL MANAGEMENT SYSTEM FOR ELECTRIC AUTOMOBILE AIR CONDITIONER ~71:SHANGHAI UNIVERSITY OF ENGINEERING TECHNOLOGY, 333 Longteng Road, Songjiang District, People's Republic of China ~72: GUO, Yun;PENG, Haiyong;SHEN, Jun;WU, Tao;YUAN, Weijian;ZHANG, Haibo~

2024/01028 ~ Complete ~54:LIGAND COMPOUNDS COMPRISING A CHELATING GROUP AS A BRIDGING GROUP ~71:TECHNISCHE UNIVERSITÄT MÜNCHEN, ARCISSTRAßE 21, D-80333, MÜNCHEN, GERMANY, Germany ~72: PARZINGER, Mara;WENDLINGER, Lennard;WESTER, Hans-Jürgen~ 33:EP ~31:21189855.6 ~32:05/08/2021

2024/01015 ~ Complete ~54:ABDOMINAL CAVITY DRAINAGE BOTTLE FOR DIGESTIVE TUMOR INTERNAL MEDICINE ~71:Jiaozuo People's Hospital, No.267 Jiefang Middle Road, Jiaozuo City, Henan Province, 454000, People's Republic of China ~72: Chen Linlin;Cui Huiting;Fan Hui;Li Zhiguo;Liu Miao;Wang Huahua;Zhang Mengmeng;Zhang Yuanying;Zhao Naikuo~

2024/01003 ~ Provisional ~54:BEVERAGE DOSAGE SYSTEM ~71:SAAD, Paul Anthony, 36 Ave St Bartholomew, Fresnaye, South Africa ~72: SAAD, Paul Anthony;STEYN, Peter John~

2024/01006 ~ Complete ~54:METHOD FOR PREPARING ANTIBACTERIAL SUBSTANCE OF BULLACTA EXARATA, AND APPLICATION ~71:Jiangsu Vocational College of Medicine, Research Platform, Jiangsu Vocational College of Medicine, No. 283 Jiefang South Road, Yancheng City, Jiangsu Province, 224005, People's Republic of China ~72: CHEN, Tianbao;CHEN, Yuping;CHRIS, Shaw;HUANG, Han;JIN, Chuli;SHEN, Xinya;SHU, Anmei;WANG, Jiamei;ZHU, Shibing~

2024/01033 ~ Complete ~54:APPLICATION OF MLPH GENE IN PREPARING DRUGS FOR TREATING PNEUMOCONIOSIS ~71:Anhui Shendong Biotechnology Development Co., Ltd., 501, Floor 5, Building A, Innovation and Entrepreneurship Center, Taining Street, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: LI Bing;MU Min;TAO Xinrong~ 33:CN ~31:2022108138118 ~32:12/07/2022

2024/01044 ~ Complete ~54:NEW SYNTHETIC AGONISTS OF TLR4 RECEPTOR ~71:Università degli Studi di Milano-Bicocca, Piazza dell'Ateneo Nuovo 1, MILANO MI 20126, ITALY, Italy ~72: D'AMATO, Simona;PERI, Francesco;ROMERIO, Alessio~ 33:IT ~31:102021000019544 ~32:22/07/2021;33:IT ~31:102022000006149 ~32:29/03/2022

2024/01005 ~ Provisional ~54:4G SMART TELEVISION BUILT-IN ELECTRONIC SIM CARD AND BUILT-IN CAMERA FOR CALLS AND MESSAGE NOTIFICATION AND MAKE CALLS AND VIDEO CALLS AFTER IT IS CONNECTED TO THE SMARTPHONE. THE NOTIFICATIONS AND MESSAGES OF DIFFERENT SOCIAL APPS ~71:AHMED WASEEF SAIIB, 24 Park Avenue, Desainager, South Africa ~72: AHMED WASEEF SAIB~

2024/01023 ~ Complete ~54:SUN PROTECTIVE SPORTS GARMENT ~71:KHAN, Nadeem, 11 4th Street, Maraisburg, South Africa ~72: KHAN, Nadeem~ 33:ZA ~31:2023/02177 ~32:22/02/2023

2024/01037 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193055.7 ~32:25/08/2021;33:EP ~31:21193056.5 ~32:25/08/2021

2024/01050 ~ Complete ~54:WAKING UP A DEVICE ~71:DABCO LIMITED, Vodafone House, The Connection, United Kingdom;VODAFONE GLOBAL ENTERPRISE LIMITED, Vodafone House, The Connection, United Kingdom ~72: BOURNE, Sophie Nicole;SNAPE, Timothy;TRICKEY, Daniel George~ 33:GB ~31:2110715.6 ~32:26/07/2021

2024/01026 ~ Complete ~54:SPECIES, STRAINS AND COMPOSITIONS OF LACTIC ACID BACTERIA CAPABLE OF MODULATING BODY OXYGENATION BY INCREASING HIF-1A LEVELS ~71:DE SIMONE, Claudio, ROUTE DES CHENOLETTES, 51, 1660 CHÂTEAU D'OEX, SWITZERLAND, Italy ~72: DE SIMONE, Claudio~ 33:IT ~31:102021000018152 ~32:09/07/2021

2024/01038 ~ Complete ~54:ANTIBODIES AND ANTIBODY CONJUGATES SPECIFIC FOR NECTIN-4 AND METHODS OF USE THEREOF ~71:R.P. SCHERER TECHNOLOGIES, LLC, 112 North Curry Street, Carson City, United States of America ~72: BARFIELD, Robyn M.;BAUZON, Maxine;CHUPRAKOV, Stepan;DRAKE, Penelope M.;KIM, Yun C.;YEO, Dominick;ZHANG, Fangjiu~ 33:US ~31:63/227,666 ~32:30/07/2021;33:US ~31:63/322,914 ~32:23/03/2022;33:US ~31:63/344,932 ~32:23/05/2022

2024/01048 ~ Complete ~54:PLANT REGULATORY ELEMENTS AND USES THEREOF ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: CHITTOOR, Jaishree M.;FLASINSKI, Stanislaw~ 33:US ~31:63/234,175 ~32:17/08/2021

2024/01011 ~ Complete ~54:MAGNETIC CARBON NANOCOMPOSITE AND PREPARATION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: HUA Chunfei;NING Yunfei;ZHANG Renqi~

2024/01031 ~ Complete ~54:TERMINAL, BASE STATION, AND COMMUNICATION METHOD ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: HORIUCHI, Ayako;MAKI, Shotaro;NISHIO, Akihiko;SUZUKI, Hidetoshi;YAMAMOTO, Tetsuya~ 33:JP ~31:2021-129188 ~32:05/08/2021

2024/01046 ~ Complete ~54:POUCH MADE OF A NONWOVEN, CONTAINING A TOBACCO MATERIAL AND/OR A DIFFERENT NICOTINE-CONTAINING MATERIAL ~71:Pely-Tex GmbH & Co. KG, Willy-Pelz-Str. 2-4, WAHLSTEDT 23812, GERMANY, Germany ~72: BASTIAN, Nikolas;ROETTGER, Henning~ 33:EP ~31:21183302.5 ~32:01/07/2021

2024/01051 ~ Complete ~54:NEW COATING OF IMPLANTS ~71:UNIVERSITAET MUENSTER, Schlossplatz 2, Germany ~72: FOBKER, Manfred;GOSHEGER, Georg;PÜTZLER, Jan;SCHULTE, Erhard;SCHULZE, Martin~ 33:EP ~31:21193637.2 ~32:27/08/2021;33:EP ~31:22168980.5 ~32:20/04/2022

2024/01086 ~ 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~

2024/01004 ~ Provisional ~54:HERITAGE TAG AUTHENTICATION ~71:DESMOND LAURENCE SEEKOLA, 70 Leo Ave, South Africa ~72: DESMOND LAURENCE SEEKOLA~

2024/01043 ~ Complete ~54:ANTIGEN-BINDING POLYPEPTIDE TARGETING B7H3 AND APPLICATION THEREOF ~71:Ningbo T-Maximum Biopharmaceuticals Co., Ltd., Room 212-11, Building 1, No. 39 Qiyuan Road, Hangzhou Bay New Area, NINGBO 315336, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Weijie;JIANG, Haijuan;LI, Jialu;MA, Li;MA, Shaowen;SHANG, Xiaoyun;SHEN, Hui;WANG, Dan~ 33:CN ~31:202110749481.6 ~32:01/07/2021

2024/01017 ~ Complete ~54:INTELLIGENT INTERACTIVE ANSWER SYSTEM FOR ENGINEERING LEGAL PROBLEMS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: GAO Sheng;GU Sen;PAN Qiaohong;WANG Shaocheng;ZHANG Jiong;ZHAO Kehui~

2024/01047 ~ Complete ~54:ENDOTHELIN A (ETA) RECEPTOR ANTAGONIST COMPOUND, PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF ~71:Shenzhen Salubris Pharmaceuticals Co., Ltd., Zone A, 4F, 289 Digitland, 2 Hongliu Road, Futian District, SHENZHEN 518017 , GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: HU, Hao;LU, Yinsuo;WU, Junjun;XIAO, Ying;XING, Wei~ 33:CN ~31:202111041046.4 ~32:03/09/2021;33:CN ~31:202210201633.3 ~32:03/03/2022

2024/01009 ~ Complete ~54:A METHOD FOR SIMULTANEOUSLY MEASURING THE CONTENT OF FIVE NEUROTRANSMITTERS ~71:Guizhou Medical University, No. 6, Ankang Avenue, Gui'an New District, Guiyang City, Guizhou Province, 561113, People's Republic of China ~72: CHEN Siying;CHEN Yi;GONG Zipeng;HUANG Jing;HUANG Yuanxing;JIN Yang;PENG Jianqing;ZHENG Lin~

2024/01013 ~ Complete ~54:SPECIFIC WAVELENGTH LIGHT CONTROL DEVICE FOR IMPROVING ESTRUS OF DAIRY SHEEP AND CONTROL METHOD THEREOF ~71:NORTHWEST A&F UNIVERSITY, NO. 3 TAICHENG ROAD, People's Republic of China ~72: CUI, Jiuzeng;LI, Danni;LIU, Xiaorui;MA, Yingtian;SONG, Yuxuan;YUAN, Hao;ZHANG, Lei~

2024/01012 ~ 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

2024/01019 ~ Complete ~54:AUTOMATIC SAMPLING APPARATUS FOR CHEMICAL ENGINEERING DETECTION AND USE METHOD THEREOF ~71:Qiuchan Wu, Room 105, Building 23, No. 228 Huaihai West Road, Qinghe District, Huaian, Jiangsu, People's Republic of China ~72: Linlin Zheng;Qiuchan Wu~

2024/01034 ~ Complete ~54:PRODUCTION OF SEMISOLID SLURRY WITH TWO OR MORE STIRRING DEVICES ~71:COMPTECH RHEOCASTING I SKILLINGARYD AB, c/o Comptech AB, Box 28, 56830 Skillingaryd, Sweden ~72: PER JANSSON~ 33:SE ~31:2150909-6 ~32:08/07/2021

2024/01039 ~ Complete ~54:METHOD FOR PREPARING SURFACTANTS BY COPOLYMERISATION OF EPOXIDES AND CO2 USING A MIXTURE OF A MACROCYCLIC BIMETAL CATALYST AND A DOUBLE METAL CYANIDE CATALYST ~71:ECONIC TECHNOLOGIES LTD, Block 19s, Alderley Park, United Kingdom ~72: KEMBER, Michael;LEELAND, James~ 33:GB ~31:2111555.5 ~32:11/08/2021

2024/01002 ~ Provisional ~54:PEDESTAL REINFORCEMENT AND COMPOSITE FOUNDATION ~71:ARROW POINT ENGINEERING (PTY) LTD, 26 Victoria Street, Oaklands, South Africa ~72: ELVIN, Alex;GEBREMESKEL, Amanuel~

2024/01008 ~ Complete ~54:METHOD FOR HEALTH DATA MANAGEMENT BASED ON HANDOVER ACCESS THROUGH RANDOM ACCESS CHANNEL ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 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~

2024/01027 ~ Complete ~54:PYRIMIDINE COMPOUNDS FOR USE AS MAP4K1 INHIBITORS ~71:GLENMARK SPECIALTY S.A., AVENUE LEOPOLD-ROBERT 37, 2300 LA CHAUX-DE-FONDS, SWITZERLAND, United States of America ~72: CHAUDHARI, Sachin;CHINNAPATTU, Murugan;DAHALE, Dnyaneshwar;DAS, Sanjib;GOWDA, Nagaraj;IYER, Pravin;KADLAG, Nanasaheb;MANDADI, Sravan;MISRA, Chandrasekhar;PANGARE, Priyanka;PATIL, Sandip;SAINI, Jagmohan~ 33:IN ~31:202121030204 ~32:06/07/2021

2024/01042 ~ Complete ~54:PROTEIN COMPOSITIONS FOR THE TREATMENT OF INFLAMMATORY DISEASES ~71:UNICHEM LABORATORIES LIMITED, Unichem Bhavan, Prabhat Estate, Off. S. V. Road, Jogeshwari (W), Mumbai, Maharashtra, 400102, India ~72: BAKSHI, Gautam;JOG, Sunil;MISHRA, Vivek;SATHE, Dhananjay~ 33:IN ~31:202121039213 ~32:30/08/2021

2024/01018 ~ Complete ~54:A FABRIC-BASED WEARABLE SENSOR AND ITS PREPARATION METHOD ~71:Tianjin University of Science and Technology, No.9, Thirteenth Street, Tianjin Economic and Technological Development Area, Binhai New Area, Tianjin City, 300457, People's Republic of China ~72: Ruihao Xiang;Yang Liu~ 33:CN ~31:202310696691.2 ~32:13/06/2023

2024/01010 ~ Complete ~54:FRUIT PICKLING METHOD AND ITS APPLICATION IN KATY APRICOT ~71:Shandong Institute of Pomology, No.66 Longtan Road, Tai'an City, Shandong Province, People's Republic of China;Taishan Academy of Forestry Sciences, Tai'an City, No.1 Luohanya Road, Tai'an City, Shandong Province, People's Republic of China ~72: LIU Lu;MENG Haifeng;QIN Ning;SUN Zhongkui;XUE Xiaomin;YU Yongchang;ZHANG Chunxiang~

2024/01022 ~ Complete ~54:A VITAL SIGN MONITORING AND NURSING DEVICE FOR CRITICALLY ILL PATIENTS ~71:PEOPLE’S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE, No. 140, Huangguoshu Street, Xixiu District, Anshun, Guizhou, People's Republic of China ~72: Deju Li;Hong Fu;Yan Lin~

2024/01029 ~ Complete ~54:METHOD FOR MONITORING THE GUT MICROBIOME STATUS IN BROILER PRODUCTION ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BÖHL, Florian;DARGATZ, Michelle;HUFNAGL, Marc;IGWE, Emeka, Ignatius;KAPPEL, Andreas;SMITH, Janet;WEISSMAN, Michaela~ 33:EP ~31:21184246.3 ~32:07/07/2021

2024/01036 ~ Complete ~54:SWITCHING DEVICE FOR CONDUCTING HIGH CONTINUOUS CURRENTS AND VERY HIGH SHORT-CIRCUIT CURRENTS ~71:SCHALTBAU GMBH, Hollerithstraße 5, 81829, München, Germany ~72: JENS KNEBEL~ 33:DE ~31:10 2021 118 585.8 ~32:19/07/2021

2024/01040 ~ Complete ~54:“A PROCESS FOR PREPARING PLASTICIZER FREE HARD CAPSULE SHELL COMPOSITION” ~71:PHATAK, ROHAN SHARADANAND, Krishna Institute of Medical Sciences, Near Dhebewadi Road, Malkapur, Karad, Maharashtra, 415110, India ~72: BHUTKAR, MANGESH ANIL;CHOPADE, ATUL RAMCHANDRA;PATIL, PRAMOD ANIL;PHATAK, ROHAN SHARADANAND~ 33:IN ~31:202121030394 ~32:06/07/2021

. - APPLIED ON 2024/02/01 -

2024/01081 ~ Complete ~54:ELECTRONIC APPARATUS HAVING VARIABLE DISPLAY AREA AND OPERATION METHOD THEREFOR ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: CHANGDO KIM;GISOO LEE;HYEONGTAEK IM;SANGHEON KIM;TAEYONG MOON;YEUNWOOK LIM~ 33:KR ~31:10-2021-0103276 ~32:05/08/2021

2024/01058 ~ Provisional ~54:CTC-RESONATOR ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2024/01059 ~ Complete ~54:A SYSTEM OF AUTOMATIC ELECTROMAGNETIC CLUTCH USING ULTRASONIC SENSOR ~71:AKSHIT KAMBOJ, #55/51 JARNAIL ENCLAVE, PHASE-2 ZIRAKPUR, PUNJAB - 140603, ZIRAKPUR, India;BHARTI, #7067, SECTOR 125, NEW SUNNY ENCLAVE, KHARAR - 140301, KHARAR, India;DR ASHWANI KUMAR, #7067, SECTOR 125, NEW SUNNY ENCLAVE, KHARAR - 140301, KHARAR, India;DR SUNITA KUMARI, #255C, SECTOR 51 A CHANDIGARH, 160047, CHANDIGARH, India;DR. RADHEY SHAM, # 255 C, SECTOR 51 A, CHANDIGARH - 160047, CHANDIGARH, India;MANINDER SINGH, #2 BLOCK A, POLICE LINE ROPAR, PUNJAB - 160071, ROPAR, India;VINOD CHAUHAN, #113, SECTOR 27, PANCHKULA, HARYANA - 134116, PANCHKULA, India ~72: AKSHIT KAMBOJ;BHARTI;DR ASHWANI KUMAR;DR SUNITA KUMARI;DR. RADHEY SHAM;MANINDER SINGH;VINOD CHAUHAN~ 33:IN ~31:202311039171 ~32:08/06/2023

2024/01076 ~ Complete ~54:NLRP3 INFLAMMASOME INHIBITORS ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden;Mitsubishi Tanabe Pharma Corporation, 3-2-10, Dosho-machi, Chuo-ku, OSAKA-SHI 5418505, OSAKA, JAPAN, Japan ~72: BERGONZINI, Giulia;GRADÉN, Henrik;JOHANSSON, Lars Anders Mikael;MATSUMURA, Takehiko;SUGAMA, Hiroshi~ 33:US ~31:63/217,970 ~32:02/07/2021

2024/01085 ~ Complete ~54:SELF-REPLICATING DNA EXPRESSION SYSTEM AND IMMUNOGEN ~71:UNIVERSITY OF CAPE TOWN, Bremner Building, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa ~72: EDWARD PETER RYBICKI;GUY LOUIS REGNARD;WARREN RALPH JOSEPHUS DE MOOR~ 33:GB ~31:2111290.9 ~32:04/08/2021

2024/01064 ~ Complete ~54:METHOD FOR SECONDARY UTILIZATION OF WASTE LITHIUM ION BATTERY CATHODE MATERIALS ~71:Kunming University of Science and Technology, No. 68 Wenchang Road, 121 Street, Kunming City, Yunnan Province, People's Republic of China ~72: DONG Peng;FEI Zitong;MENG Qi;TIAN Le~

2024/01079 ~ Complete ~54:CONCEALED STRUCTURAL ELEMENT FASTENING SYSTEM ~71:HICKLEY, Nicolaas Hendrik, 922 Carnoustie Crescent, Copperleaf Golf and Country Estate, South Africa ~72: HICKLEY, Nicolaas Hendrik~ 33:ZA ~31:2021/05327 ~32:28/07/2021

2024/01082 ~ Complete ~54:REAGENT FOR MEASURING ?-GLUCAN, METHOD FOR PRODUCING SAME AND USE THEREOF ~71:SEIKAGAKU CORPORATION, 6-1, Marunouchi 1-Chome Chiyoda-ku, Tokyo, 1000005, Japan ~72: HIKARU MIZUMURA;NAOKI TAKESHITA;TOSHIO ODA;YUKI KOBAYASHI~ 33:JP ~31:2021-128613 ~32:04/08/2021;33:JP ~31:2021-175670 ~32:27/10/2021;33:JP ~31:2022-010643 ~32:27/01/2022

2024/01053 ~ Provisional ~54:OMEGA GRAVITY ~71:Tshepo Mafatle, 1466/1 Mabitleng Street Meloding, South Africa ~72: Tshepo Mafatle~

2024/01063 ~ Complete ~54:A VISUAL DETECTION METHOD OF BOVINE CORONAVIRUS AND APPLICATION THEREOF ~71:Xinjiang Agricultural University, No. 311 East Nongda Road, Shayibak District, Urumqi City, Xinjiang Uygur Autonomous Region, 830052, People's Republic of China ~72: Haoran LIU;Huijun SHI;Qiang FU;Rezeguli·AIKEBAIER;Siqi MA;Xinyi LIU;Xinyuan LIU;Yan ZHAO;Yingxin LI;Yu WANG~

2024/01065 ~ Complete ~54:PYRIDAZINE COMPOUNDS FOR INHIBITING NLRP3 ~71:Ventus Therapeutics U.S., Inc., 100 Beaver Street, Suite 202, WALTHAM 02453, MA, USA, United States of America ~72: BEVERIDGE, Ramsay;BURCH, Jason;CHEFSON, Amandine;CIBLAT, Stéphane;CÔTÉ, Alexandre;DORICH, Stéphane;ST-ONGE, Miguel~ 33:US ~31:63/171,932 ~32:07/04/2021;33:US ~31:17/528,928 ~32:17/11/2021

2024/01070 ~ Complete ~54:DISPENSER AND METHOD OF USE THEREOF ~71:S. C. JOHNSON & SON, INC., 1525 Howe Street, Racine, Wisconsin, 53403, United States of America ~72: CAITLIN Y O'GARA;CALISTOR NYAMBO;CURTIS CONKLIN;JIA WANG;TODD ULRICH~ 33:US ~31:16/431,598 ~32:04/06/2019

2024/01075 ~ Complete ~54:SIDELINK COLLISION DETECTION AND INDICATION ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: DENG, Tao;FREDA, Martino M.;HOANG, Tuong Duc;LEE, Moon-il~ 33:US ~31:63/228,653 ~32:03/08/2021;33:US ~31:63/249,260 ~32:28/09/2021

2024/01077 ~ Complete ~54:ANTI-PROTAC ANTIBODIES AND COMPLEXES ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: JAEGER, Sebastian;KOENNING, Doreen;RASCHE, Nicolas;RIEKER, Marcel;SCHNEIDER, Hendrik;SCHROETER, Christian~ 33:EP ~31:21183460.1 ~32:02/07/2021

2024/01083 ~ Complete ~54:LIFT DRIVE SYSTEM FOR ENERGY STORAGE AND DELIVERY SYSTEM ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI~ 33:US ~31:63/203,070 ~32:07/07/2021

2024/01055 ~ Provisional ~54:A SHADING STRUCTURE FOR PLANTS ~71:KJA Group Holdings (Pty) Ltd, Portion1 Maloney's Eye Farm, Brandvlei Road, Magaliesburg, 1739, North West Province, SOUTH AFRICA, South Africa ~72: Kotze, Johannes Arnoldus~

2024/01060 ~ Complete ~54:METHOD FOR PREPARING HEAT-RESISTANT AND OXIDANT-RESISTANT PLANT FIBER REINFORCED POLYPROPYLENE COMPOSITE MATERIAL AND APPLICATION THEREOF IN HAIRBRUSH ~71:Guangzhou Aoqun Brush Industry Technology Co., Ltd., 3rd Floor, Building AB, No. 333, South Panyu Avenue, Dongyong Town, Nansha District, Guangzhou City, Guangdong Province, 511453, People's Republic of China ~72: LIU, Xueping;LIU, Xuezhen;WANG, Min~

2024/01071 ~ Complete ~54:DISPENSER AND METHOD OF USE THEREOF ~71:S. C. JOHNSON & SON, INC., 1525 Howe Street, Racine, Wisconsin, 53403, United States of America ~72: CAITLIN Y

O'GARA;CALISTOR NYAMBO;CURTIS CONKLIN;JIA WANG;TODD ULRICH~ 33:US ~31:16/431,598 ~32:04/06/2019

2024/01084 ~ Complete ~54:A METHOD FOR PROCESSING IRON ORE TO OBTAIN STEEL ~71:METSO METALS OY, Rauhalanpuisto 9, 02230 Espoo, Finland ~72: OLLI PEKKALA;TIMO HAIMI~

2024/01057 ~ Provisional ~54:A PROCESS FOR PREPARING FERRIC CHLORIDE FOR A WATER TREARMENT PROCESS FOR PRODUCING POTABLE WATER ~71:UNIVERSITY OF SOUTH AFRICA, Preller Street Muckleneuk, Pretoria, South Africa ~72: MAMILE BELINA MAHLOHLA;MEMORY TEKERE;VHAHANGWELE MASINDI~

2024/01061 ~ Complete ~54:COMPOSITE BIONIC GHOST IMAGING METHOD AND SYSTEM ~71:THE 41ST INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION, 800 Changsheng Road, Bengbu, Anhui Province, People's Republic of China;YANGTZE DELTA REGION ACADEMY OF BEIJING INSTITUTE OF TECHNOLOGY,JIAXING, 1940 Dongfang North Road, Youchegang Town, Xiuzhou District, Jiaxing City, Zhejiang Province, People's Republic of China ~72: CAO Jie;SHANG Fuzhou;XIONG Zhongxia;ZHAO Quanchao;ZHUANG Xingang~ 33:CN ~31:2023101266124 ~32:06/02/2023

2024/01068 ~ Complete ~54:SYSTEM FOR PERFORMING AND EVALUATING AUTOMATIC TEXT SUMMARIZATION ~71:Deepali Vaijinath Sawane, Assistant Professor, MGM Dr. G. Y. Pathrikar College of Computer Science and IT, Aurangabad, Dist: Aurangabad, Maharashtra, 431002, India;Dr. Sonali Gaikwad, Assistant Professor, Shri Shivaji Science and Arts college, Chikhli, Dist. Buldhana, Maharashtra, 443201, India;Jyotsna Gaikwad, Assistant Professor, Deogiri College, Aurangabad, Dist: Aurangabad, Maharashtra, 431005, India ~72: Deepali Vaijinath Sawane;Dr. Sonali Gaikwad;Jyotsna Gaikwad~

2024/01073 ~ Complete ~54:PROCESS OF MANUFACTURING A LIQUID BEER CONCENTRATE ~71:Heineken Supply Chain B.V., Burgemeester Smeetsweg 1, ZOETERWOUDE 2382 PH, THE NETHERLANDS, Netherlands ~72: BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert;BROUWER, Eric Richard~ 33:EP ~31:21189316.9 ~32:03/08/2021

2024/01080 ~ Complete ~54:CYCLOALKENE DERIVATIVE REGULATOR, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF ~71:JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, People's Republic of China;SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No. 3728 Jinke Road, People's Republic of China ~72: MAO, Xiaofeng;SU, Yidong;WANG, Jun;YU, Wensheng;ZHOU, Xiaohan~ 33:CN ~31:202110892791.3 ~32:04/08/2021;33:CN ~31:202111322097.4 ~32:09/11/2021;33:CN ~31:202210041958.X ~32:14/01/2022;33:CN ~31:202210540040.X ~32:17/05/2022

2024/01054 ~ Provisional ~54:WHEELBARROW ~71:ANDRE SONNEKUS, Villa Gardenia, No. 4, Wilgerhof, South Africa ~72: ANDRE SONNEKUS;KUYS, Francois Alexander~

2024/01062 ~ Complete ~54:IN-SITU LARGE-SCALE SHEAR TEST DEVICE AND METHOD FOR SHALLOW LANDSLIDES ON SOIL SLOPES COVERED WITH VEGETATION ~71:Northwest A&F University, No. 3 Taicheng Road, Yangling District, Xianyang City, Shaanxi Province, People's Republic of China ~72: GUO Wenzhao;LI Chengyao;LUO Jiawei;LUO Li~ 33:CN ~31:2023117522027 ~32:19/12/2023

2024/01066 ~ Complete ~54:NANO IRON-CATALYZED BIOFERTILIZER AND A METHOD OF PREPARATION THEREOF ~71:Dr. Dayana Raj, Associate Professor, Department of Electronics and Communication Engineering, College of Engineering and Technology, SRM Institute of Science & Technology (Category I University, NAAC: A++ Grade), Kattankulathur, Chennai, Tamil Nadu, 603203, India;Dr. Karthikeyan Vijayan, Head & Professor, Department of Biotechnology, Karpaga Vinayaga College of Engineering and Technology, Kanchipuram, Tamil

Nadu, 603308, India;Dr. P. Bharathi Purushothaman, Associate Professor, Department of Food Technology, Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai, Tamil Nadu, 602105, India;Rajalakshmi Engineering College, Rajalakshmi Nagar, Thandalam, Chennai, Tamil Nadu, 602105, India ~72: Dr. Dayana Raj;Dr. Karthikeyan Vijayan;Dr. P. Bharathi Purushothaman~ 33:IN ~31:202341068969 ~32:13/10/2023

2024/01074 ~ Complete ~54:CLOSTRIDIUM CHAUVOEI VACCINE AND METHOD OF MAKING ~71:Zoetis Services LLC, 10 Sylvan Way, PARSIPPANY 07054, NJ, USA, United States of America ~72: CAMERON, Anthony James~ 33:US ~31:63/230,176 ~32:06/08/2021

2024/01078 ~ Complete ~54:HERBICIDAL COMPOSITIONS CONTAINING CINMETHYLINE AND ETHOFUMESATE ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: AULER, Thomas;BICKERS, Udo;TOSSENS, Herve~ 33:EP ~31:21183576.4 ~32:02/07/2021

2024/01056 ~ Provisional ~54:SOLAR PANEL MOUNTING ~71:FARRELL, Gerhardus van Coppenhagen, Unit 5, Lynnwood Living, 475 Dereks Lane, Lynnwood, South Africa ~72: FARRELL, Gerhardus van Coppenhagen~

2024/01067 ~ Complete ~54:A MANGO DEFECT DETECTION METHOD BASED ON MULTI-SCALE FEATURE DENSITY ESTIMATION ~71:Shichao Wang, No. 169, Shiying Street, Guta District, Jinzhou City, Liaoning Province, 121012, People's Republic of China ~72: Hongzhen Cui;Longhao Zhang;Renhuan Wang;Shichao Wang;Yunfeng Ma~ 33:CN ~31:202311611244.9 ~32:28/11/2023

2024/01069 ~ Complete ~54:DEVICE FOR USE IN A RETAIL PRODUCT DISPLAY AND SHELF ORGANIZATION ~71:THREE NIGHT OWLS (PTY) LTD, 1 Homestead Road, Kya Sands, South Africa ~72: WOODLEY, Ryan~ 33:ZA ~31:2022/11880 ~32:01/11/2022

2024/01072 ~ Complete ~54:METHOD FOR CREMATION BY MEANS OF SUPERCRITICAL FLUIDS REACTION ~71:SCW TECHNOLOGIES LIMITED, 6 Carthall Park, United Kingdom ~72: DAWSON, Gregory Scott;HAMILTON, Stephen W~ 33:FR ~31:FR2109461 ~32:09/09/2021

. - APPLIED ON 2024/02/02 -

2024/01088 ~ Complete ~54:PHOTOVOLTAIC HEATING SYSTEM FOR CLOTHES ~71:Anhui Vocational and Technical College, 2600,Wenzhong Road, Xinzhan District, Hefei City, Anhui, People's Republic of China ~72: REN Xiaoli;SU Wei;Sun Wanying;ZHANG Li~

2024/01095 ~ Complete ~54:C-TYPE NATRIURETIC PEPTIDE VARIANTS TO TREAT SKELETAL DYSPLASIA IN CHILDREN ~71:BIOMARIN PHARMACEUTICAL INC., 105 Digital Drive, Novato, California, 94949, United States of America ~72: ELENA FISHELEVA;JONATHAN DAY~ 33:US ~31:63/220,275 ~32:09/07/2021;33:US ~31:63/350,196 ~32:08/06/2022

2024/01102 ~ Complete ~54:A CONSUMABLE FOR USE WITH A NON-COMBUSTIBLE AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BRAY, Andrew;ENGLAND, Will;RICHARDSON, John~ 33:GB ~31:2111269.3 ~32:04/08/2021

2024/01090 ~ Complete ~54:FEEDER ARRANGEMENT ~71:DILGER, Andrew, 11 Loop str.,Doorn, South Africa ~72: DILGER, Andrew~

2024/01097 ~ Complete ~54:METHOD FOR DETERMINING GUT MICROBIOTA STATUS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BANJAC, Jelena;DOGRA, Shaillay Kumar;SPRENGER, Norbert~ 33:EP ~31:21184684.5 ~32:09/07/2021

2024/01101 ~ Complete ~54:A CONSUMABLE FOR USE WITH A NON-COMBUSTIBLE AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: BRAY, Andrew;RICHARDSON, John~ 33:GB ~31:2111265.1 ~32:04/08/2021

2024/01087 ~ Provisional ~54:A BEARING ELEMENT FOR A ROCK ANCHOR ~71:DE BRUIN, Donovan John, 11 Withaak Street, Elspark, GERMISTON 1428, Gauteng Province, SOUTH AFRICA, South Africa;LEVITAN, Ian, 27 Silvermonte Village, Sandringham, JOHANNESBURG 2192, Gauteng Province, SOUTH AFRICA, South Africa ~72: DE BRUIN, Donovan John;LEVITAN, Ian~

2024/01098 ~ Complete ~54:AUTOMATIC SYSTEM AND METHOD FOR EXCHANGING, STORING AND LUBRICATING TRICONE BITS ~71:Dv Technology SpA, Padre Mariano 391, Of. 704, Providencia, SANTIAGO 7500015 , CHILE, Chile ~72: GONZÁLEZ MENDILAHAXOU, José Damián~

2024/01096 ~ Complete ~54:METHOD ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ELORTEGUI PASCUAL, Paloma;LAMOTHE, Lisa;LE ROY, Caroline;MAK, Tsz Ning~ 33:EP ~31:21184919.5 ~32:09/07/2021

2024/01089 ~ Complete ~54:ADJUSTABLE ADVERTISING RACK FOR BILLBOARDS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: HUANG Wei;KE Yue;REN Huijuan;WANG Judong;XIE Lidan;YANG Bing~

2024/01103 ~ Complete ~54:METHODS OF TREATING MIGRAINE WITH MNK INHIBITORS ~71:4E Therapeutics, Inc., 3800 N. Lamar Blvd, Ste. 200, AUSTIN 78756, TX, USA, United States of America;Board of Regents, The University of Texas System, 210 West 7th St., AUSTIN 78701, TX, USA, United States of America ~72: PRICE, Theodore J.;SAHN, James J.~ 33:US ~31:63/229,882 ~32:05/08/2021

2024/01091 ~ Complete ~54:A FIRE MONITORING DEVICE BASED ON OXIDATION MAGNET EFFECT ~71:FUZHOU UNIVERSITY, 2 Wulong Jiangbei Avenue, Fuzhou University Town, Fuzhou City, People's Republic of China ~72: YANG, Yan;ZHANG, Wei~ 33:CN ~31:2024200840272 ~32:12/01/2024

2024/01100 ~ Complete ~54:HUMAN INTERLEUKIN-4 RECEPTOR ALPHA ANTIBODIES ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ATWELL, Shane Krummen;FENG, Yiqing;KARTA, Maya Rachel;LEUNG, Donmienne Doen Mun;NA, Songqing;PELLETIER, Laura Anne;RUIZ, Diana Isabel;STOKELL, David John~ 33:US ~31:63/229,836 ~32:05/08/2021;33:US ~31:63/348,388 ~32:02/06/2022

2024/01094 ~ Complete ~54:COMPOUNDS THAT INHIBIT PI3K ISOFORM ALPHA AND METHODS FOR TREATING CANCER ~71:SCORPION THERAPEUTICS, INC., One Winthrop Square, Suite 400, Boston, Massachusetts, 02110, United States of America ~72: JR. DAVID ST. JEAN~ 33:US ~31:63/231,156 ~32:09/08/2021

2024/01284 ~ Provisional ~54:MULTI TELEVISION PARKING MOVIES AND ROLL COASTER ~71:HILTON BRIAN THOMAS, 309 THORA COURT, KITE STR, HORISON, South Africa ~72: HILTON BRIAN THOMAS~

2024/01093 ~ Complete ~54:AGROCHEMICAL COMBINATION, APPLICATION METHOD AND USE THEREOF ~71:DVA AGRO GMBH, Valentinskamp, 70/EMPORIO, Hamburg 20355, Germany ~72: BRUNO FRANCISCHELLI;HECTOR VELASQUES CACERES;LUIS LEOPOLDO BRUEL OCAMPOS;NATÁLIA GONÇALVES~ 33:BR ~31:1020210146737 ~32:26/07/2021;33:BR ~31:1020220144583 ~32:21/07/2022

2024/01099 ~ Complete ~54:IL-13 ANTIBODIES FOR THE TREATMENT OF ATOPIC DERMATITIS ~71:Dermira, Inc., Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BAUER, Eugene A.;DREW, Janice Suzann;LIMA, Renata Gontijo;WITCHER, Jennifer Wright~ 33:US ~31:63/232,977 ~32:13/08/2021;33:US ~31:63/233,544 ~32:16/08/2021;33:US ~31:63/247,821 ~32:24/09/2021;33:US ~31:63/327,539 ~32:05/04/2022;33:US ~31:63/343,315 ~32:18/05/2022

2024/01092 ~ Complete ~54:POLYETHYLENE FOR USE IN THE PRODUCTION OF CROSSLINKED POLYETHYLENE (PEX) ~71:BOREALIS AG, Trabrennstrasse 6-8, Vienna, Austria ~72: CASCONE, Sara;POMAKHINA, Elena~ 33:EP ~31:21184421.2 ~32:08/07/2021

. - APPLIED ON 2024/02/05 -

2024/01131 ~ Complete ~54:AEROSOL-FORMING SUBSTRATE WITH IMPROVED THERMAL CONDUCTIVITY ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: DE PALO, Damien;FEDELI, Francesco;HUANG, Houxue~ 33:EP ~31:21184365.1 ~32:07/07/2021

2024/01136 ~ Complete ~54:MEANS AND METHODS FOR THE TREATMENT OF CALCIUM CRYSTAL DEPOSITION DISEASES ~71:ACADEMISCH ZIEKENHUIS MAASTRICHT, P. Debyelaan 25, Netherlands;UNIVERSITEIT MAASTRICHT, Minderbroedersberg 4-6, Netherlands ~72: SCHURGERS, Leon Johannes;VAN DEN AKKER, Guus Gijsbertus Hubert;VAN RHIJN, Lodewijk Willem;WELTING, Tim Johannes Maria~ 33:EP ~31:21183609.3 ~32:05/07/2021

2024/01151 ~ Complete ~54:PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ABRAHAM CHACKO;GIRISH KUMAR;KUNAL SHANKAR PAWAR;NADEEM SHAIKH;SATYENDRA PRASAD SINGH;SHARAVAN KUMAR~ 33:EP ~31:21196783.1 ~32:15/09/2021

2024/01125 ~ Complete ~54:DEVICE FOR TESTING VISCOSITY REDUCTION EFFECT OF HEAVY-OIL VISCOSITY REDUCER ~71:Liaoning Petrochemical University, No. 1, West Section of Dandong Road, Wanghua District, Fushun City, Liaoning Province, 113001, People's Republic of China ~72: Li Shengke;Liu Hailing;Yang Jiang;Zhao Xiaolong~

2024/01135 ~ Complete ~54:TRANSFER MECHANISM FOR POWER TRANSMISSION, CHARGING SOCKET, AND MOTOR VEHICLE ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110991360.2 ~32:26/08/2021

2024/01140 ~ Complete ~54:SYSTEM FOR GENERATING LIGHT RADIATION TO NEUTRALIZE MICROORGANISMS ~71:Leonardo - Societa' Per Azioni, Piazza Monte Grappa, 4, ROMA (RM) 00195, ITALY, Italy ~72: FAZIO, Eugenio;FELLA, Paolo~ 33:IT ~31:102021000018290 ~32:12/07/2021

2024/01118 ~ Complete ~54:SIMPLE INSECT-PROOF NET WALL FOR BLOCKING MIGRATION OF CITRUS PSYLLA AND CONSTRUCTION METHOD THEREOF ~71:Guangxi Academy of Specialty Crops, No. 40 Putuo Road, Qixing District, Guilin City, Guangxi Province, People's Republic of China ~72: GAN Haifeng;HAN Yang;LEI Cuiyun;LI Yijie;LOU Binghai;SONG Yaqin;ZHANG Song~

2024/01122 ~ Complete ~54:UNREINFORCED SELF-STRENGTHENING CEMENT-BASED PRINTED CONCRETE, AND PREPARATION METHOD AND APPLICATION THEREFOR ~71:Jiangsu Vocational Institute of Architectural Technology, No. 26, Xueyuan Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: HUANG, Yong;MIAO, Zhiyong;WANG, Junqiang;ZHANG, Linglei~

2024/01129 ~ Complete ~54:A MICROFLUIDIC CHIP AND ITS APPLICATIONS ~71:HAINAN MEDICAL UNIVERSITY, Xueyuan Road, Haikou, Hainan, 570000, People's Republic of China ~72: CHENG, Ziyi;GUO, Junli;LIU, Xiaoran~ 33:CN ~31:202311126826.8 ~32:04/09/2023

2024/01139 ~ Complete ~54:A METHOD TO OBTAIN A NEAR-INFRARED SPECTROSCOPY CEREBRAL SIGNAL ~71:NEWMANBRAIN, S.L., av. Universidad, s/n - Edif. Quorum III, Spain ~72: BELMONTE MARTINEZ, Carlos;IBAÑEZ BALLESTEROS, Joaquin;MOLINA RODRIGUEZ, Sergio~ 33:EP ~31:21382675.3 ~32:23/07/2021;33:EP ~31:21382733.0 ~32:03/08/2021

2024/01126 ~ Complete ~54:TERMINAL FEEDBACK CONTROL METHOD FOR INTELLIGENT FINE TUNING OF SLAB BALLASTLESS TRACK ~71:CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., No.1 Xinjian South Road, Taiyuan City, People's Republic of China;CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., No.1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: CHANG, Naichao;DING, Xiaoping;DUAN, Jiubo;FU, Chongyang;HE, Yongyi;QIN, Hongjian;SUYA, latu;WAN, Yunqian;WANG, Jin;WU, Yongzhen;XUE, Zemin;ZHANG, Zefeng~

2024/01132 ~ Complete ~54:THERMALLY ENHANCED AEROSOL-FORMING SUBSTRATE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: AJITHKUMAR, Anu;HUANG, Houxue~ 33:EP ~31:21184365.1 ~32:07/07/2021;33:EP ~31:22178767.4 ~32:13/06/2022;33:EP ~31:22178770.8 ~32:13/06/2022;33:EP ~31:22178772.4 ~32:13/06/2022

2024/01141 ~ Complete ~54:CARD BINDING METHOD, USER TERMINAL, SERVER, SYSTEM AND STORAGE MEDIUM ~71:China Unionpay Co., Ltd., CUP Tower, 36 Hanxiao Rd., Pudong New Area, SHANGHAI 200135, CHINA (P.R.C.), People's Republic of China ~72: CAI, Jianbo;GUO, Yuhang;LU, Rui;NI, Dezhong;PAN, Chenyu;SHAN, Changsheng~ 33:CN ~31:202111038223.3 ~32:06/09/2021

2024/01104 ~ Provisional ~54:PYLON CONFIGURATION ~71:ARROW POINT ENGINEERING (PTY) LTD, 26 Victoria Street, Oaklands, South Africa ~72: ELVIN, Alex;VENZO, Ruggero Eliso Claudio~

2024/01116 ~ Complete ~54:PREPARATION METHOD OF COMPOSITE MATERIAL AND APPLICATION IN MODIFIED ELECTRODE ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou City, Hainan Province, 571158, People's Republic of China ~72: CHEN Yuxue;HAN Xiao;HU Xiaojuan;HUANG Yuhao;SUN Wei;WANG Lisi;YAN Lijun;ZHANG Dan~

2024/01128 ~ Complete ~54:PROGNOSTIC BIOMARKER FOR HNSCC AND SCREENING METHOD AND APPLICATION THEREOF ~71:HANGZHOU CITY UNIVERSITY, Hangzhou City University, No. 51 Huzhou St., Gongshu District, Hangzhou, People's Republic of China ~72: Haijun HAN~

2024/01105 ~ Provisional ~54:BED EXTENDER ~71:Jonella Paul, 220 Mark Street, Grootfontein Country Estate, South Africa ~72: Jonella Paul~

2024/01181 ~ Provisional ~54:KHOSI-SPIRITUAL WELLNESS PRODUCT ~71:Nanka Buhle Hawes, 752 Orkney Crescent, Faerie Glen, South Africa ~72: Nanka Buhle Hawes~

2024/01149 ~ Complete ~54:PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ABRAHAM CHACKO;GIRISH KUMAR;KUNAL SHANKAR PAWAR;NADEEM SHAIKH;SATYENDRA PRASAD SINGH;SHARAVAN KUMAR~ 33:EP ~31:21196801.1 ~32:15/09/2021

2024/01154 ~ Provisional ~54:WINDSCREEN PROTECTOR ~71:SERGIO STANLEY JONES, 364 ARNOLD ROBERTS AVENUE, EERSTERUST, GAUTENG, South Africa ~72: SERGIO STANLEY JONES~

2024/01146 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193055.7 ~32:25/08/2021

2024/01145 ~ Complete ~54:ACTRII PROTEINS AND USES THEREOF ~71:Acceleron Pharma Inc., 128 Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: DE OLIVEIRA PENA, Janethe~ 33:US ~31:63/223,265 ~32:19/07/2021

2024/01107 ~ Complete ~54:PREPARATION METHOD FOR WHOLE-CITRUS FRUIT POWDER AND TABLET ~71:Jiangxi Agricultural University, No. 1101 Zhimin Avenue, Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330045, People's Republic of China ~72: CAI, Zhipeng;DU, Huaying;SHEN, Yonggen;WANG, Jing;WU, Shaofu;ZHU, Liqin;ZUO, Xiaoxia~

2024/01110 ~ Complete ~54:SAND-PROTECTING BARRIER COMBINING MECHANICAL PROTECTION WITH MICROBIAL PROTECTION ~71:Gansu Desert Control Research Institute, No. 390, Beibinhe West Road, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: HE, Fanglan;JIN, Hongxi;LI, Jinhui;WANG, Qi;WANG, Ying;WU, Hao~

2024/01112 ~ Complete ~54:MATERIAL DETECTION SYSTEM BASED ON LASER-INDUCED BREAKDOWN SPECTRUM ~71:Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Shanbao;LIU Zhiqing;WANG Chaoyong;WANG Xinlian;WANG Yarui;ZHU Wenjie~

2024/01123 ~ Complete ~54:GENETIC KNOCKOUTS IN WOOD-LJUNGDAHL MICROORGANISMS ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: JAMES DANIELL~ 33:US ~31:62/565,000 ~32:28/09/2017

2024/01150 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193055.7 ~32:25/08/2021;33:EP ~31:21193056.5 ~32:25/08/2021

2024/01152 ~ Complete ~54:A RECYCLABLE ARTICLE FOR PACKAGING ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ARTUR TRALDI BEZERRA;YUVESVERI NAIDOO~ 33:EP ~31:21197005.8 ~32:15/09/2021

2024/01148 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193055.7 ~32:25/08/2021

2024/01108 ~ Complete ~54:DEVELOPMENT AND CHARACTERIZATION OF AEROSOL CONTAINING PACLITAXEL LOADED NANOPARTICLES FOR THE TREATMENT OF SECONDARY LUNG CANCER ~71:Dr. Anasuya Patil, Associate Professor, KLE College of Pharmacy, II Block, Rajajinagar, Bengaluru, Karnataka, Pin Code:- 560010, India;Dr. Gunjan Jeswani, Associate Professor, Kamla Institute of Pharmaceutical Sciences, Shri Shankaracharya Professional University, Junwani, Bhilai, Durg, Chhattisgarh, Pin Code:- 490020, India;Dr. K. Kranthi Kumar, Associate Professor, College of Pharmaceutical Sciences, Dayananda Sagar University, Bengaluru, Karnataka, Pin Code:- 560049, India;Dr. Neelam Pawar, Assistant Professor, Department of Pharmaceutical Sciences, Chaudhary Bansilal University, Prem Nagar, Bhiwani, Haryana, Pin Code:- 127031, India;Dr. Pravin Naik, Associate Professor, D Y Patil Deemed to be University, School of Pharmacy, Sector 7, Nerul, Navi Mumbai, Thane, Maharashtra, Pin Code:- 400706, India;Dr. S. Mohamed Halith, Principal, Dhanalakshmi Srinivasan College of Pharmacy, Thuraiyur Road, Tamilnadu, Pin Code:- 621212, Perambalur, India;Dr. Sunkara Murali Krishna, Assistant Professor, Department of Chemistry, College of Military Engineering,

Dapodi, Pune, Maharashtra, Pin Code:- 411031, India;Dr. Upendra Galgatte, Associate Professor, Modern College of Pharmacy, Sector 21, Yamunanagar, Nigdi, Pune, Maharashtra, Pin Code:- 411044, India;Mr. Brijesh Kumar Saroj, Associate Professor & Head of Department, Krishak College of Pharmacy, Rajgarh, Mirzapur, Uttar Pradesh, Pin Code:- 231210, India;Mr. Mohammad Muztaba, Associate Professor, Department of Pharmacology, Praduman Singh Shikshan Prashikshan Sansthan Pharmacy College, Phutahiya Sansarpur, Basti, Uttar Pradesh, Pin Code:- 272001, India ~72: Dr. Anasuya Patil;Dr. Gunjan Jeswani;Dr. K. Kranthi Kumar;Dr. Neelam Pawar;Dr. Pravin Naik;Dr. S. Mohamed Halith;Dr. Sunkara Murali Krishna;Dr. Upendra Galgatte;Mr. Brijesh Kumar Saroj;Mr. Mohammad Muztaba~ 33:IN ~31:202321073977 ~32:30/10/2023

2024/01111 ~ Complete ~54:A LINEAR ANALYSIS DISPLAY DEVICE FOR ECONOMIC MANAGEMENT ~71:HUZHOU COLLEGE, No.1, Bachelor Road, Wuxing District, Huzhou City, Zhejiang Province, People's Republic of China ~72: Ling ZHU;Liwei QI~

2024/01117 ~ Complete ~54:SELF-CLEANING SYSTEM APPLIED TO PHOTOVOLTAIC PANEL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DOU Cheng;DUAN Kunjie;LAI Yuanfeng;LI Wei;QI Fuhao;RAO Peijun;SHI Ke;WANG Huanli;WANG Menghao;WANG Mengke;XU Huafeng;YE Mengna;ZHANG Jiachen;ZHANG Pengran;ZHANG Renqi~

2024/01147 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193055.7 ~32:25/08/2021

2024/01106 ~ Provisional ~54:BED EXTENDER ~71:Jonella Paul, 220 Mark Street, Grootfontein Country Estate, South Africa ~72: Jonella Paul~

2024/01109 ~ Complete ~54:MULTI-FUNCTIONAL LEARNING BLOCK FOR CHILDREN ~71:Anqing Normal University, No. 1318, Jixian North Road, Anqing City, Anhui Province, 246133, People's Republic of China ~72: XIE, Hongyu;YAN, Wanqing;ZHA, Yuehong~

2024/01113 ~ Complete ~54:METHOD FOR PREDICTING FAILURE DEPTH OF COAL SEAM FLOOR IN MINE ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: BI Yaoshan;DOU Litong;HUANG Kaifeng;LI Dong;LI Fenghui;WU Long;ZHAN Keliang~

2024/01115 ~ Complete ~54:PHOTOVOLTAIC PANEL DAMAGE DETECTION SYSTEM BASED ON IMAGE ANALYSIS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DOU Cheng;HUA Chunfei;LAI Yuanfeng;LIU Zhiqing;QI Fuhao;SHI Ke;WANG Chaoyong;WANG Huanli;WANG Menghao;WANG Mengke;XU Huafeng;YE Mengna;ZHANG Jiachen;ZHANG Pengran;ZHANG Renqi~

2024/01121 ~ Complete ~54:SELF-SERVICE BASKETBALL TRAINING SYSTEM ~71:Jilin Normal University, 1301 Haifeng Street, Tiexi District, Siping City, Jilin Province, 136000, People's Republic of China ~72: YUE Wei~

2024/01142 ~ Complete ~54:ANTIBODY FORMULATIONS ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BALL, Nicole;LUERAS, Alexis;QIAN, Rulin;SLOEY, Christopher~ 33:US ~31:63/232,299 ~32:12/08/2021;33:US ~31:63/316,604 ~32:04/03/2022

2024/01153 ~ Complete ~54:FLAVORED CORE-SHELL CAPSULES FILM-COATED WITH POLYVINYLIDENE CHLORIDE ~71:V. MANE FILS, 620, route de Grasse, France ~72: GAUDIN, Luc~ 33:FR ~31:2107521 ~32:09/07/2021

2024/01114 ~ Complete ~54:COMPOSITE CATALYST WITH ITS PREPARATION METHOD AND APPLICATION ~71:HAINAN NORMAL UNIVERSITY, No.99 Longkun South Road, Haikou City, Hainan Province, 571158, People's Republic of China ~72: HU Xiaojuan;HUANG Yuhao;SUN Wei;WANG Baoli;YAO Yucen;ZHANG Dan;ZHANG Siyue;ZHU Lin~

2024/01127 ~ Complete ~54:CONSTRUCTION METHOD FOR A PREFABRICATED LINING STRUCTURE OF TUNNEL ~71:CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., No.1 Xinjian South Road, Taiyuan City, People's Republic of China;CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., No.1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: FANG, Zhigang;FU, Chongyang;SHEN, Xuesong;SUN, Bin;SUN, Longhua;SUN, Mingyu;TAN, Xu;WAN, Yunqian;WANG, jingwei;WU, Yongzhen;XIE, Shuju;ZHANG, Qiangqiang;ZHANG, Zefeng;ZHAO, Jun~

2024/01119 ~ Complete ~54:SMALL-TOOTH-DIFFERENCE REDUCER WITH CROSSED HELICAL GEARS ~71:Rouhao Precision Technology (Suzhou) Co., Ltd., East Side A Zone, South 1st Floor, (Building 7 of the Industrial Park) Building 2, No. 50 North Guandu Road, Yuexi Street, Wuzhong District, Suzhou City, Jiangsu Province, 215100, People's Republic of China ~72: HU, Muyuan;JIN, Zhengyi;ZHANG, Yiyu~ 33:CN ~31:202310813331.6 ~32:04/07/2023

2024/01124 ~ Complete ~54:MATTRESS COIL SPRING ARRANGEMENT ~71:BURAAQ BEDS CC, 76 Gibbs Road, Devland, Johannesburg, South Africa ~72: EBRAHIM SAHIB~ 33:GB ~31:2304275.7 ~32:21/02/2023;33:ZA ~31:2022/12581 ~32:21/02/2023

2024/01134 ~ Complete ~54:THERMALLY-ENHANCED AEROSOL FORMING SUBSTRATE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: HUANG, Houxue;WAIRIMU, Esther~ 33:EP ~31:21184365.1 ~32:07/07/2021;33:EP ~31:22178772.4 ~32:13/06/2022

2024/01143 ~ Complete ~54:FLAME RESISTANT FABRICS ~71:Southern Mills, Inc., 6501 Mall Boulevard, P.O. Box 289, UNION CITY 30291, GA, USA, United States of America ~72: PICKERING, Keith Edward;SELF, Robert~ 33:US ~31:63/231,528 ~32:10/08/2021

2024/01130 ~ Complete ~54:AEROSOL-FORMING SUBSTRATE WITH EXPANDED GRAPHITE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: FEDELI, Francesco;HUANG, Houxue~ 33:EP ~31:21184365.1 ~32:07/07/2021;33:EP ~31:22178767.4 ~32:13/06/2022;33:EP ~31:22178770.8 ~32:13/06/2022;33:EP ~31:22178772.4 ~32:13/06/2022

2024/01137 ~ Complete ~54:SELF-LUBRICATING HIGH-DURABILITY NATURAL RUBBER MATERIAL AND PREPARATION METHOD THEREFOR ~71:ASIMCO NVH TECHNOLOGIES CO., LTD. (ANHUI), Zhongxi Town, Ningguo City, Xuancheng, Anhui, 242300, People's Republic of China ~72: HU, Jianqiang~ 33:CN ~31:202210786314.3 ~32:04/07/2022

2024/01138 ~ Complete ~54:METHOD FOR REMOTELY SOLVING THERMAL RUNAWAY AND RELATED PRODUCTS ~71:SHENZHEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., Room 501, No. 2 R&D Building, Sanyiyundu, No. 6, Lanqing Second Road, Luhu Community, Guanhu Street, Longhua District, Shenzhen,, People's Republic of China;XIAMEN HITHIUM ENERGY STORAGE TECHNOLOGY CO., LTD., 201-1, Comprehensive Building 5, No. 11, Butang Middle Road, Industrial Base Of Xiamen Torch High Tech Zone (Tongxiang), Xiamen,, People's Republic of China ~72: JIANG, Huaiyu~ 33:CN ~31:202211507855.4 ~32:29/11/2022

2024/01144 ~ Complete ~54:SEQUENCES AND PROMOTERS FOR USE IN PLANT CELLS AND METHODS OF MAKING AND USING SUCH SEQUENCES ~71:Futuragene Israel Ltd., 2 Pekeris Street, Park Tamar,

REHOVOT 7670202, ISRAEL, Israel ~72: AVISAR, Dror;AZULAY, Shelly~ 33:US ~31:63/236,474 ~32:24/08/2021

2024/01120 ~ Complete ~54:PREPARATION METHOD FOR RASPBERRY WINE ~71:TaiShan University, No. 525 Dongyue Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: LI, Cuixia;ZHAO, Xianhua~

2024/01133 ~ Complete ~54:IMPROVED AEROSOL-FORMING SUBSTRATE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: FEDELI, Francesco;HUANG, Houxue;WAIRIMU, Esther~ 33:EP ~31:21184365.1 ~32:07/07/2021;33:EP ~31:22178770.8 ~32:13/06/2022

. - APPLIED ON 2024/02/06 -

2024/01161 ~ Complete ~54:LOW-CARBON CEMENTITIOUS MATERIAL OF SILICON-MANGANESE SLAG FOR FILLING, PREPARATION METHOD AND APPLICATION THEREOF ~71:Ningxia Jiyuan Juntai New Material Technology Co.Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;Ningxia Jiyuan Metallurgical Group Co.,Ltd., No.6, Qinshui Avenue, Industrial Park, Pingluo County, Shizuishan City, Ningxia, 753400, People's Republic of China;University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing, 100000, People's Republic of China ~72: MO Junhong;MO Junning;MO Ruihao;QIU Zhiqiang;WANG Jie;WANG Zhiqing;WU Pengfei;YANG Jiaqing;ZHANG Suxian;ZHANG Yanbin~ 33:CN ~31:2023114467691 ~32:02/11/2023

2024/01174 ~ Complete ~54:MUSCARINIC RECEPTOR 4 ANTAGONISTS AND METHODS OF USE ~71:Neurocrine Biosciences, Inc., 12780 El Camino Real, SAN DIEGO 92130, CA, USA, United States of America ~72: HARRIOTT, Nicole;LEY, Corinne Rose;PAGANO, Nicholas~ 33:US ~31:63/227,467 ~32:30/07/2021

2024/01158 ~ Complete ~54:PLANT PLANTING TANK FOR ECOLOGICAL RESTORATION ~71:Taiyuan University of Science and Technology, No.66, Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: DING Qingwei;LI Qianyao;TIAN Huixia~

2024/01157 ~ Complete ~54:CARBON DIOXIDE MICROCHANNEL ELECTROLYSIS DEVICE AND METHOD ~71:Taiyuan University of Science and Technology, No.66, Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: CUI Yang;HE Qiusheng;MA Tao;REN Weijie;TIAN Wenyan;ZHANG Ke~

2024/01159 ~ Complete ~54:PHOTOVOLTAIC POWER SUPPLY SYSTEM FOR LARGE PUBLIC BUILDINGS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: CUI Mingming;DOU Cheng;HUANG Xiaoya;LAI Yuanfeng;QI Fuhao;SHI Ke;WANG Huanli;WANG Menghao;WANG Mengke;WANG Wenfang;XU Huafeng;YE Mengna;ZHANG Jiachen;ZHANG Pengran;ZHANG Renqi~

2024/01160 ~ Complete ~54:CULTURE DISH FOR REGENERATING LIVER TISSUE ~71:Putian University, No.2121 Zixiao East Road, Xitianwei Town, Licheng District, Putian City, Fujian Province, 351100, People's Republic of China ~72: Bin Yan;Lihong Han;Xiaomei Li~ 33:CN ~31:202410159934.3 ~32:04/02/2024

2024/01162 ~ Complete ~54:PATIENT TRANSFER DEVICE FOR CLINICAL USE IN CRITICAL CARE MEDICINE ~71:PEOPLE’S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE, No. 140, Huangguoshu Street, Xixiu District, Anshun, Guizhou, People's Republic of China ~72: Deju Li;Yan Lin;Youzhen Chen~

2024/01163 ~ Complete ~54:ASSISTIVE DEVICE FOR PATIENT TURNING OVER IN CLINICAL CARE MEDICINE ~71:PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE, No. 140, Huangguoshu Street, Xixiu District, Anshun, Guizhou, People's Republic of China ~72: Hong Fu;Yan Lin;Youzhen Chen~

2024/01164 ~ Complete ~54:PHOTOVOLTAIC GRID-CONNECTED POWER GENERATION SYSTEM FOR RURAL USERS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Haipeng;DOU Cheng;LAI Yuanfeng;QI Fuhao;SHI Ke;WANG Huanli;WANG Menghao;WANG Mengke;XU Huafeng;YANG Ruijuan;YE Mengna;ZHANG Feipeng;ZHANG Jiachen;ZHANG Pengran;ZHANG Renqi~

2024/01167 ~ Complete ~54:PROCESS FOR RECLAMATION OF POLYESTER BY REACTOR ADDITION ~71:OCTAL SAOC FZC, SULTANATE OF OMAN, P.O. Box 3786, Postal Code 112, Muscat, Oman ~72: JERRY BRADNAM;KLAUS HAARMANN;MOHAMMED RAZEEM;MUTEEB SIDDIQUI;NICHOLAS P BARAKAT;SEAN BROWN;TARUN JOSHI;WILLIAM J BARENBERG~ 33:US ~31:62/850,168 ~32:20/05/2019;33:US ~31:16/808,939 ~32:04/03/2020

2024/01170 ~ Complete ~54:HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dorien DE KNIJF;Lieven BRACKE;Lode DUPREZ;Tom WATERSCHOOT;Ulrike LORENZ~

2024/01171 ~ Complete ~54:PROTEINS THAT DECOUPLE T CELL-MEDIATED TUMOR CYTOTOXICITY FROM RELEASE OF PRO-INFLAMMATORY CYTOKINES ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: BECKER, Stefan;DAWSON, Jessica;DOERNER, Achim;HOCK, Björn;NANFACK, Yves Fomekong;RABINOVICH, Brian;SCHROETER, Christian;TOLEIKIS, Lars;ZHOU, Xueyuan~ 33:US ~31:63/231,148 ~32:09/08/2021

2024/01155 ~ Provisional ~54:EXTERNAL HYPERBARIC SAFE SPEAKER ~71:Alexander Lightstone Borsand, 5626 N 51st Ave, United States of America ~72: Alexander Borsand~

2024/01176 ~ Complete ~54:COMPOUNDS FOR TARGETING DEGRADATION OF IRAK4 PROTEINS ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America;C4 Therapeutics, Inc., 490 Arsenal Way, Suite #120, WATERTOWN 02472, MA, USA, United States of America ~72: AHN, Jae Young;ANDERSON, Corey Don;EVANS, Ryan;GAO, Fang;GUCKIAN, Kevin M.;HENDERSON, James A.;NASVESCHUK, Christopher G.;O'SHEA, Morgan Welzel;PETERSON, Emily Anne;STEFAN, Eric;YAP, Jeremy L.~ 33:US ~31:63/219,160 ~32:07/07/2021;33:US ~31:63/354,017 ~32:21/06/2022

2024/01180 ~ Complete ~54:APPARATUS AND METHOD FOR DETECTING RELIABILITY OF ROLLER USED IN LITHIUM BATTERY TECHNOLOGY ~71:SHENZHEN TECHNOLOGY UNIVERSITY, No. 3002 Lantian Road, Shijing Street, Pingshan District, Shenzhen, People's Republic of China ~72: CHEN, Fei;MA, Boquan;QU, Zege;XU, Binbin;YANG, Zheng;ZHOU, Xin~ 33:CN ~31:PCT/CN2023/102743 ~32:27/06/2023

2024/01182 ~ Provisional ~54:ZANDT POWER MACHINE ~71:GARY GRANT VAN DER ZANDT 6107235232087, 2274 GREEN OAK STREET, PLETTENBERG BAY, South Africa ~72: GARY GRANT VAN DER ZANDT 6107235232087~

2024/01166 ~ Complete ~54:MECHANICAL ARM WITH FLEXIBLE STRUCTURE ~71:Xinyu University, No.2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Gong Qian;Liu Gui;Wang Haizhen;You Mengjie;Zhang Bao;Zhang Jie;Zhang Xiaoxin;Zhou Bin;Zhu Xuexuan~ 33:CN ~31:202410115661.2 ~32:26/01/2024

2024/01168 ~ Complete ~54:A WEDGING TYPE TEST DEVICE FOR PULLING OUT REBARS ~71:FUZHOU UNIVERSITY, 2 Wulong Jiangbei Avenue, Fuzhou University Town, Fuzhou City, People's Republic of China ~72: YANG, Yan;ZHANG, Wei~ 33:CN ~31:2024201063952 ~32:16/01/2024

2024/01173 ~ Complete ~54:KCNV2 GENE THERAPY ~71:MeiraGTx UK II Limited, 92 Britannia Walk, Aberdeenshire, LONDON N1 7NQ, UNITED KINGDOM, United Kingdom ~72: GEORGIADIS, Anastasios~ 33:US ~31:63/221,879 ~32:14/07/2021

2024/01156 ~ Provisional ~54:CAPTAIN PHILLIP ~71:Sergii Dzhashyov, Seventh heaven Apartment, Al Barari, AA0633, United Arab Emirates ~72: Sergii Dzhashyov~

2024/01175 ~ Complete ~54:ARYL SULFONYL (HYDROXY) PIPERIDINES AS CCR6 INHIBITORS ~71:ChemoCentryx, Inc., 835 Industrial Road, Suite 600, SAN CARLOS 94070, CA, USA, United States of America ~72: HARLAND, Aubrie;KRASINSKI, Antoni;LANGE, Christopher W.;LUI, Rebecca M.;MARSHALL, Daniel R.;ROTH, Howard S.;YANG, Ju;ZHANG, Penglie~ 33:US ~31:63/234,271 ~32:18/08/2021;33:US ~31:63/354,906 ~32:23/06/2022

2024/01177 ~ Complete ~54:STARTING APPARATUS AND FIRE EXTINGUISHING DEVICE ~71:BEIJING CENTURY LIANBAO NEW ENERGY TECHNOLOGY CO., LTD., Room 103, Floor 1, Building 3, Yard 12, Jinye Street, Daxing District, Beijing, 100176, People's Republic of China;BEIJING CENTURY LIANBAO NEW FIRE PROTECTION TECHNOLOGY CO., LTD., No. 12 Jinye Street, Daxing District, Beijing, 100176, People's Republic of China ~72: RONG LIANG;SHUNPING QIAO~ 33:CN ~31:202110864147.5 ~32:29/07/2021;33:CN ~31:202110864148.X ~32:29/07/2021;33:CN ~31:202110865941.1 ~32:29/07/2021;33:CN ~31:202111491405.6 ~32:08/12/2021

2024/01179 ~ Complete ~54:A DEVICE FOR DELIVERY OF AEROSOLIZED DRUG IN A PORTION OF A BODY ~71:CUROTHERM TECHNO SOLUTIONS LLP, 1806, STELLAR, MAHAVIR UNIVERSE, LBS MARG, BHANDUP WEST, MUMBAI 400078, MAHARASHTRA, India ~72: AGRAWAL, Palkesh;MEHTA, Nirav~ 33:IN ~31:202121031193 ~32:12/07/2021

2024/01165 ~ Complete ~54:WOOD-BASED POROUS CARBON FOR HIGH PERFORMANCE ENERGY STORAGE DEVICE ~71:Tianjin University of Science and Technology, No. 9 13th Street, Tianjin Economic and Technological Development Zone, Tianjin, 300457, People's Republic of China ~72: Chuanling SI;Kun LIU;Ting XU;Wei LI;Wei LIU;Xuan WANG;Yaxuan WANG~

2024/01172 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITION OF RAS ~71:Lawrence Livermore National Security, LLC, 7000 East Avenue, P.O. Box 808, L-703, LIVERMORE 94550, CA, USA, United States of America;Leidos Biomedical Research, Inc., P.O. Box B 1050, Boyles Street, FREDERICK 21702, MD, USA, United States of America;TheRas, Inc., 3160 Porter Drive, PALO ALTO 94304, CA, USA, United States of America ~72: BISIGNANO, Paola;BRASSARD, Christopher John;CHAN, Albert Hay Wah;LIAO, Tao;LIGHTSTONE, Felice;MACIAG, Anna Elzbieta;SIMANSHU, Dhirendra Kumar;TURNER, David Michael;WALLACE, Eli;WANG, Bin;XU, Rui;YANG, Yue;ZHANG, Zuhui~ 33:US ~31:63/225,407 ~32:23/07/2021;33:US ~31:63/329,237 ~32:08/04/2022

2024/01169 ~ Complete ~54:AUTOMATIC PLANTING APPARATUS FOR SALSOLA TREES ~71:Wuyi University, No. 358, Baihua Road, Wuyishan City, Fujian, 354300, People's Republic of China ~72: Fei GAO;Jiebin JIANG;Longhui ZHENG;Nanhua CHEN;Quan LIN;Wenjie ZHANG;Xuehai ZUO;Zhenquan ZENG~ 33:CN ~31:202310264414.4 ~32:17/03/2023

. - APPLIED ON 2024/02/07 -

2024/01184 ~ Provisional ~54:CARD PAYMENTS ~71:PERILS, Kent Simon, 77 Longway Avenue, 17 Nielsen Way, Lorraine, South Africa ~72: PERILS, Kent Simon~

2024/01187 ~ Provisional ~54:LC-M-LC-RESONATOR ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria, South Africa ~72: Jacobus Johannes van der Merwe~

2024/01189 ~ Provisional ~54:HOLLOW ROCK BOLT ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2024/01192 ~ Complete ~54:PROTECTOR DEVICE FOR CONTAINERS ~71:TAMC HOLDINGS PTY LTD, UNIT 5, 62-68 GARDEN DRIVE, TULLAMARINE, VICTORIA 3043, AUSTRALIA, Australia ~72: TRAYHERN, Travis~ 33:AU ~31:2023900290 ~32:07/02/2023;33:AU ~31:2023901773 ~32:05/06/2023

2024/01216 ~ Complete ~54:SYSTEMS AND METHODS FOR CONTROL OF ZERO-SEQUENCE STABILIZED POWER CONVERTERS ~71: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: EULL, William-Michael;JAHNES, Matthew;PREINDL, Matthias;ZHOU, Liwei~ 33:US ~31:63/226,059 ~32:27/07/2021;33:US ~31:63/226,136 ~32:27/07/2021;33:US ~31:63/242,840 ~32:10/09/2021;33:US ~31:63/270,311 ~32:21/10/2021;33:US ~31:63/319,122 ~32:11/03/2022;33:US ~31:63/345,896 ~32:25/05/2022;33:US ~31:63/351,768 ~32:13/06/2022

2024/01225 ~ Complete ~54:PACKAGING MATERIAL FOR AGRICULTURAL PRODUCTS AND METHOD FOR PRODUCING A PACKAGING MATERIAL FOR AGRICULTURAL PRODUCTS ~71:MINAS PACK FILMES E EMBALAGENS LTDA, Estrada Velha Jacutinga - Itapira, km 9,3, Distrito Sapucaí 37590-000 Jacutinga, Brazil ~72: ALINE HURTADO FIRMEZA;DENNY OKUBO~ 33:BR ~31:1020210136588 ~32:10/07/2021

2024/01185 ~ Provisional ~54:WATER RESCUE / EXIT RAMP FOR PETS ~71:Corleen O'Shea, 36 Athens Road, South Africa ~72: CORLEEN O'SHEA~

2024/01188 ~ Provisional ~54:QEM DRILL RIG OVERALL DESIGN AND KEY COMPONENTS ~71:Quit Exclusive Mining, 34 INVECTOR ROAD, South Africa ~72: Cecil Du Plooy;Quite Exclusive Mining~ 33:ZA ~31:2022/11420 ~32:18/10/2023

2024/01190 ~ Complete ~54:SUPERHYDROPHILIC AND COMPRESSIBIE AEROGEL WITH REGULAR PORE ARCHITECTURE FOR SENSOR ~71:Tianjin University of Science and Technology, No. 9 13th Street, Tianjin Economic and Technological Development Zone, Tianjin, 300457, People's Republic of China ~72: Chuanling SI;Han ZHANG;Kun LIU;Meng ZHANG;Qingshuang ZHAO;Ting XU;Wei LIU~

2024/01193 ~ Complete ~54:A METHOD OF ISOTOPE TRACING FOR ASSESSING THE BIOAVAILABILITY OF HEAVY METALS IN SEDIMENTS FROM CORAL REEFS, MANGROVES, AND SEAGRASS BEDS USING ICP-MS ~71:South China Sea Ecological Center of Ministry of Natural Resources(MNR), Building 24, No.155, Xingang West Road, Haizhu District, Guangzhou City, Guangdong Province, 510000, People's Republic of China ~72: An Mingming;Chen Changshu;Chen Xin;Chen Zhiqiang;Deng Wei;Gao Yang;Huang Yangzhou;Jia Houlei;Li Tuanjie;Li Yingzhi;Liu Jingqin;Liu Tao;Lu Chuqian;Lv Yanru;Lv Yihua;Ni Zhixin;Peng Xiaojuan;Wang Xiaojuan;Yang Jiayu;Ye Jianping;Yuan Lei;Zhang Minxia;Zhang li;Zhou Peng~

2024/01196 ~ Complete ~54:METHOD AND APPARATUS FOR GENERATING FROM A COEFFICIENT DOMAIN REPRESENTATION OF HOA SIGNALS A MIXED SPATIAL/COEFFICIENT DOMAIN REPRESENTATION OF SAID HOA SIGNALS ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E, Herikerbergweg 1-35, NL-1101, CN Amersterdam Zuidoost, Netherlands ~72: ALEXANDER KRUEGER;SVEN KORDON~ 33:EP ~31:13305986.5 ~32:11/07/2013

2024/01208 ~ Complete ~54:CLOSED-END DNA PRODUCTION WITH INVERTED TERMINAL REPEAT SEQUENCES ~71:BIOVERATIV THERAPEUTICS INC., 225 Second Avenue, Waltham, Massachusetts, United States of America ~72: LIU, Tongyao;MAGHODIA, Ajay;MUELLER, Christian~ 33:US ~31:63/236,215 ~32:23/08/2021

2024/01212 ~ Complete ~54:N-(1,3,4-OXADIAZOL-2-YL)PHENYLCARBOXAMIDES AS HERBICIDES ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: AHRENS, Hartmut;ASMUS, Elisabeth;BOLLENBACH-WAHL, Birgit;JAKOBI, Harald;KÖHN, Arnim;WALDRAFF, Christian~ 33:EP ~31:21184513.6 ~32:08/07/2021

2024/01217 ~ Complete ~54:SYSTEMS AND METHODS FOR CONTROL OF NONISOLATED BIDIRECTIONAL POWER CONVERTERS ~71: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: EULL, William-Michael;JAHNES, Matthew;PREINDL, Matthias;ZHOU, Liwei~ 33:US ~31:63/226,059 ~32:27/07/2021;33:US ~31:63/226,136 ~32:27/07/2021;33:US ~31:63/242,840 ~32:10/09/2021;33:US ~31:63/270,311 ~32:21/10/2021;33:US ~31:63/319,122 ~32:11/03/2022;33:US ~31:63/345,896 ~32:25/05/2022;33:US ~31:63/351,768 ~32:13/06/2022

2024/01221 ~ Complete ~54:CHARGING/DISCHARGING CONTROL METHOD, CHARGING DEVICE, AND STORAGE MEDIUM ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, Chaoyang District Changchun, Jilin 130000, People's Republic of China ~72: CHAO WANG~ 33:CN ~31:202110839708.6 ~32:23/07/2021

2024/01223 ~ Complete ~54:HOME COMPOSTABLE LABEL ~71:SINCLAIR SYSTEMS INTERNATIONAL, LLC., 3115 S. Willow Avenue, Fresno, California 93725, United States of America ~72: M. SCOTT HOWARTH;WEN-LI A CHEN~ 33:US ~31:63/232,875 ~32:13/08/2021

2024/01229 ~ Complete ~54:A MINING METHOD FOR DRILLING AND BLASTING OF A TRAVELLING WAY OF A MINE ~71:ROOTS SEUTLWADI INVESTMENTS (PTY) LTD, SUITE 23 1st FLOOR SOUTHDOWNS RIDGE OFFICE PARK IRENE, South Africa ~72: PEGA, Patrick;SCHMUCKER, Charles~ 33:ZA ~31:2022/12099 ~32:07/11/2022

2024/01210 ~ Complete ~54:METHOD FOR PRODUCING FATTY ALDEHYDES AND DERIVATIVES THEREOF ~71:FMC AGRICULTURAL SOLUTIONS A/S, ThyborØnvej 78 7673, Denmark ~72: GABRIELSSON, Anders;MAZZIOTTA, Andrea~ 33:EU ~31:21190097.2 ~32:06/08/2021;33:EU ~31:22161123.9 ~32:09/03/2022

2024/01213 ~ Complete ~54:ANTIBODY COMPETITION MODEL USING HIDDEN VARIABLE AFFINITIES ~71:AbCellera Biologics Inc., 2215 Yukon Street, VANCOUVER V5Y 0A1, BRITISH COLUMBIA, CANADA, Canada ~72: BERTRAND DE PUYRAIMOND, Valentine Julie Layla;DOCKING, Thomas Roderick;FORD, Alexander Sewall;GOGORZA, Tomas;HANNIE, Stefan Edward;HUGHES, Christopher Thaddeus;JEPSON, Kevin Richard;KRAFT, Lucas;YAP, Jordan John~ 33:US ~31:63/219,578 ~32:08/07/2021

2024/01186 ~ Provisional ~54:A SYSTEM FOR, AND A METHOD OF DEVELOPING A BRANDING STRATEGY ~71:BARADIEN, MOGAMAT SALIE, 17 MATHEW ROAD, South Africa ~72: BARADIEN, MOGAMAT SALIE~

2024/01191 ~ Complete ~54:SYSTEM AND METHOD FOR LOCATING SURFACE DAMAGE OF LARGE-SCALE EQUIPMENT BASED ON UWB TECHNOLOGY ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1 Xiangwang South Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: CHEN Qunyu;LI Mengxin;NIU Xiaojie;SUN Tao;YAN Chuanyong;ZHANG Lei;ZHANG Yu~

2024/01195 ~ Complete ~54:PATH STUDY AND ANTENNA LOCATING SYSTEMS AND METHODS ~71:Schneider Electric Systems USA, Inc., 70 Mechanic Street, FOXBOROUGH 02035, MA, USA, United States of America ~72: REDMOND, James;SOBIN, Zackery~ 33:US ~31:18/129,423 ~32:31/03/2023

2024/01198 ~ Complete ~54:METHOD FOR ACTIVATING EXPRESSION OF SILENCED GLU-1AX-NULL SUBUNIT IN WHEAT AND RELATED BIOMATERIALS ~71:CROP RESEARCH INSTITUTE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, 23788 Gongye N. Rd, People's Republic of China ~72: GAO, Jie;LI, Genying;LI, Jihu;LI, Wei;LI, Yulian;LIN, Yanxiang;SONG, Guoqi;ZHANG, Rongzhi;ZHANG, Shujuan~ 33:CN ~31:202310639011.3 ~32:31/05/2023

2024/01205 ~ Complete ~54:EXTRUDED STRUCTURES ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, United Kingdom ~72: CLARK, Caroline W. H.;COMER, Tiffany;CRUMP, Bridget B.;MONSALUD, JR., Luis;MUA, John-Paul~ 33:US ~31:63/220,213 ~32:09/07/2021

2024/01207 ~ Complete ~54:STANDBY POWER CUT-OFF DEVICE ~71:KIM, Byongho, (Byeoksan Beach Town, Dongsam-dong) 106-702, 266, Wachi-ro, Yeongdo-gu Busan, 49115, Republic of Korea ~72: KIM, Byongho~ 33:KR ~31:10-2021-0104254 ~32:09/08/2021;33:KR ~31:10-2021-0131324 ~32:05/10/2021

2024/01218 ~ Complete ~54:SYSTEMS AND METHODS FOR RECYCLING WATER ~71:Renew Health Limited, IDA Business & Technology Park, Garrycastle, Dublin Rd, Athlone, CO WESTMEATH N37 F786, IRELAND, Ireland ~72: DUPUIS, Jeffrey;TALLY, William~ 33:US ~31:63/219,422 ~32:08/07/2021

2024/01226 ~ Complete ~54:ENERGY EFFICIENT MOTOR-GENERATOR ~71:PAL-K DYNAMICS INC., 147 Irving Place, Basking Ridge, United States of America ~72: KUNJIMON, T. K.~ 33:IN ~31:202141035653 ~32:06/08/2021

2024/01194 ~ Complete ~54:COMPOSITE BEAM MOVEMENT CONSTRUCTION METHOD FOR TRANSFORMING EXISTING ELEVATED STATION OF HIGH-SPEED RAILWAY ~71:CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., 1 Xinjian South Road, Taiyuan City, People's Republic of China;CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., No.1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: CHEN, Jianxi;CUI, Xiaozhi;FU, Chongyang;GONG, Wentong;LI, Weichao;LING, Shuaijie;MA, Jiajun;SHAO, Shuilian;SONG, Zhijian;SUN, Longhua;XU, Qinpei;ZHANG, Chunlong;ZHANG, Zefeng;ZHOU, Ming~

2024/01197 ~ Complete ~54:MULTI-SPEED REAR DRIVE FOR A BICYCLE ~71:WORLD BICYCLE RELIEF, NFP, 1000 West Fulton Market, 4th Floor, Chicago, Illinois, 60607, United States of America ~72: BRIAN JORDAN~ 33:US ~31:63/063,672 ~32:10/08/2020

2024/01203 ~ Complete ~54:NEW SERVICE AND SERVICE OPERATIONS FOR 5MBS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: GAN, Juying;LING, Jie;LU, Yunjie~ 33:CN ~31:PCT/CN2021/106832 ~32:16/07/2021

2024/01222 ~ Complete ~54:ANTI-C-C MOTIF CHEMOKINE RECEPTOR 8 (CCR8) ANTIBODIES AND METHODS OF USE ~71:GENENTECH, INC., 1 DNA Way South, San Francisco, California, 94080-4990, United States of America ~72: CECILIA PUI CHI CHIU;GAUTHAM GAMPA;IRAJ HOSSEINI;JAMES THOMAS KOERBER;JIAN MEHR-DEAN PAYANDEH;MAHRUKH HUSENI;SASCHA RUTZ;TERESITA ARENZANA DELFINO;YONGLIAN SUN~ 33:US ~31:63/221,734 ~32:14/07/2021;33:US ~31:63/253,676 ~32:08/10/2021

2024/01224 ~ Complete ~54:POLYCISTRONIC VECTORS FOR CELL-BASED THERAPIES ~71:SANA BIOTECHNOLOGY, INC., 188 E. Blaine St, Suite 400, Seattle, Washington 98102, United States of America ~72:

ADAM JOHNSON;ALBERT RUZO MATIAS;ELEONORE THAM;JESSICA S ELMAN;WILLIAM DOWDLE~ 33:US ~31:63/222,954 ~32:16/07/2021;33:US ~31:63/282,961 ~32:24/11/2021

2024/01200 ~ Complete ~54:METHOD AND APPARATUS FOR MULTICAST/BROADCAST SERVICE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: GAN, Juying;LING, Jie~ 33:CN ~31:PCT/CN2021/105805 ~32:12/07/2021

2024/01202 ~ Complete ~54:HERBICIDAL PHENYLURACILS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BETZ, Michael;NEWTON, Trevor, William;PARRA RAPADO, Liliana;PAVON ROMERO, Ricardo, Hugo;PETKOVA, Desislava, Slavcheva;SEISER, Tobias;WITSCHEL, Matthias~ 33:EP ~31:21185972.3 ~32:16/07/2021

2024/01204 ~ Complete ~54:WORK MACHINE GROUND ENGAGING TOOL WEAR AND LOSS DETECTION SYSTEM AND METHOD ~71:CATERPILLAR INC., 100 NE Adams Street - AH9510, United States of America ~72: ADLER, Daniel P.;MATHEW, Shawn N.;MIANZO, Lawrence A.;OBLAK, Tod A.;PLOUZEK, John M.;WISE, Raymond A.~ 33:US ~31:17/399,433 ~32:11/08/2021

2024/01206 ~ Complete ~54:SYSTEM AND COMPUTER-IMPLEMENTED METHOD FOR DETERMINING WEAR LEVELS OF A GROUND ENGAGING TOOL OF A WORK MACHINE INDICATIVE OF A TOOL REPLACEMENT CONDITION ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: ADLER, Daniel Paul;MATHEW, Shawn Nainan;MIANZO, Lawrence A.;OBLAK, Tod A.;PLOUZEK, John M.;WISE, Raymond Alan~ 33:US ~31:17/399,199 ~32:11/08/2021

2024/01209 ~ Complete ~54:TREATMENT OF ATOPIC DERMATITIS ~71:KYMAB LIMITED, The Bennet Building (B930), Babraham Research Campus, United Kingdom ~72: PORTER-BROWN, Ben;POWELL, John;QUARATINO, Sonia;SAINSON, Richard C A~ 33:GB ~31:2111492.1 ~32:10/08/2021;33:GB ~31:2115152.7 ~32:21/10/2021;33:GB ~31:2204211.3 ~32:24/03/2022;33:GB ~31:2204291.5 ~32:25/03/2022

2024/01201 ~ Complete ~54:LONG-LASTING LUBRICATION COMPOSITION ~71:LIFESTYLES HEALTHCARE PTE. LTD., 30 CECIL STREET, 19 -08 PRUDENTIAL TOWER, SINGAPORE 049712, SINGAPORE, Singapore ~72: BOONBUMRUNG, Atip;KANGHAE, Yatima;NGOWPRASERT, Chayapon;NGUYEN, Kc;PAVLOVICOVA, Andrea;PONGTHANOMSAK, Chayaporn~ 33:US ~31:63/222,883 ~32:16/07/2021;33:AU ~31:2022901194 ~32:05/05/2022

2024/01215 ~ Complete ~54:SYSTEMS AND METHODS FOR POWER CONVERSION WITH LC FILTER HAVING AN INDUCTOR WITH BOARD-EMBEDDED WINDING ~71: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: EULL, William-Michael;JAHNES, Matthew;PREINDL, Matthias;ZHOU, Liwei~ 33:US ~31:63/226,059 ~32:27/07/2021;33:US ~31:63/226,136 ~32:27/07/2021;33:US ~31:63/242,840 ~32:10/09/2021;33:US ~31:63/270,311 ~32:21/10/2021;33:US ~31:63/319,122 ~32:11/03/2022;33:US ~31:63/345,896 ~32:25/05/2022;33:US ~31:63/351,768 ~32:13/06/2022

2024/01219 ~ Complete ~54:PASSIVE RESIDUAL HEAT REMOVAL DEVICE AND HORIZONTAL MICRO-REACTOR SYSTEM ~71:CHINA NUCLEAR POWER ENGINEERING CO., LTD., No. 117 West Third Ring North Road, Haidian District, Beijing, 100840, People's Republic of China ~72: CHENGLONG ZHANG;HONG YAO;HUANG LI;JIANHUA DONG;KAI HE;SHUHONG DU;SHUOTING ZHANG;SIYANG ZHU~ 33:CN ~31:202111361226.0 ~32:17/11/2021

2024/01183 ~ Provisional ~54:UNIVERSAL RETROFITTABLE INTELLIGENT POWER SWITCH DEVICE FOR RF TRANSMITTER/RECEIVER ~71:TYRONE BEDESSY, 12 SOLSTICE ROAD, FLAT 101, THE ZONE, South Africa ~72: TYRONE BEDESSY~

2024/01199 ~ Complete ~54:HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dorien DE KNIJF;Lieven BRACKE;Lode DUPREZ;Tom WATERSCHOOT;Ulrike LORENZ~

2024/01211 ~ Complete ~54:A FENCING ATTACHMENT FOR A HAND HELD POWER TOOL ~71:WIREMAN PTY LIMITED, 102/20 Alfred Street Milsons Point, Australia ~72: LOWREY, Ian~ 33:AU ~31:2021902924 ~32:09/09/2021

2024/01214 ~ Complete ~54:SYSTEMS AND METHODS FOR POWER CONVERSION WITH LC FILTER HAVING ADDITIONAL CAPACITOR ~71: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: EULL, William-Michael;JAHNES, Matthew;PREINDL, Matthias;ZHOU, Liwei~ 33:US ~31:63/226,059 ~32:27/07/2021;33:US ~31:63/226,136 ~32:27/07/2021;33:US ~31:63/242,840 ~32:10/09/2021;33:US ~31:63/270,311 ~32:21/10/2021;33:US ~31:63/319,122 ~32:11/03/2022;33:US ~31:63/345,896 ~32:25/05/2022;33:US ~31:63/351,768 ~32:13/06/2022

2024/01220 ~ Complete ~54:TREATMENT OF ANTI-PLA2R AUTOANTIBODY-MEDIATED MEMBRANOUS NEPHROPATHY ~71:MORPHOSYS AG, Semmelweisstr. 7, 82152, Planegg, Germany ~72: ROLAND BAUMGARTNER;STEFAN HÄRTLE~ 33:EP ~31:21186299.0 ~32:19/07/2021;33:EP ~31:21203870.7 ~32:21/10/2021

. - APPLIED ON 2024/02/08 -

2024/01228 ~ Provisional ~54:STRUCTURAL ELEMENT ~71:EVA-LAST HONG KONG LIMITED, 12/F TOWER 3, 33 CANTON RD, TSIMSHATSUI, Hong Kong ~72: BRANDON JAY HEUKELMAN;GARETH WADE GADSBY CHAPMAN;SHAUN MICHAEL ERASMUS~

2024/01231 ~ Complete ~54:A PLATFORM FOR THE MANAGEMENT OF CARBON CREDITS AND CARBON CREDIT PROJECTS ~71:FOOD & TREES FOR AFRICA, 94 Bessemer Street, Wendywood, South Africa ~72: WILD, Christopher Eugene~

2024/01232 ~ Complete ~54:PLANAR CONSUMABLE FOR AEROSOL-GENERATING DEVICE ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BATISTA, Rui Nuno Rodrigues Alves;VERCRUYSSE, Nicolas~ 33:EP ~31:21211954.9 ~32:02/12/2021

2024/01242 ~ Complete ~54:A NEW PROCESS OF SAFLUFENACIL PRODUCTION USING NOVEL INTERMEDIATES ~71:Adama Agan Ltd., PO Box 262, Northern Industrial Zone, ASHDOD 7710001, ISRAEL, Israel ~72: GALGE, Revanappa Vasantrao;GRABARNICK, Michael;JHA, Ashok Kumar~ 33:IN ~31:202111035923 ~32:09/08/2021

2024/01246 ~ Complete ~54:NOVEL DERIVATIVES OF NON-CODED AMINO ACIDS AND THEIR USE AS HERBICIDES ~71:FORTEPHEST LTD., 3 Dan St., Ness Ziona, 7412102, Israel ~72: ALEX KOZAK;ISRAEL SHAPIRO~ 33:US ~31:63/203,169 ~32:12/07/2021

2024/01235 ~ Complete ~54:INSERTION STRUCTURE OF FLAT BELT AND TERMINAL, AND MOTOR VEHICLE ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, Chaoyang District, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202110944194.0 ~32:17/08/2021

2024/01230 ~ Complete ~54:INJECTION SYSTEMS, INJECTION TOOLS AND METHODS FOR SAME ~71:INVAIO SCIENCES INTERNATIONAL GMBH, Schneidergasse 7, CH-4051, Basel, Switzerland ~72:

ANTONY MATHAI CHETTOOR;LUKAS RUDOLF SCHUPBACH;MICHAEL CHRISTIAN OEHL;URS WIDMER~ 33:CH ~31:00917/18 ~32:25/07/2018;33:CH ~31:00526/19 ~32:17/04/2019

2024/01233 ~ Complete ~54:MODIFICATION OF BRASSINOSTEROID RECEPTOR GENES TO IMPROVE YIELD TRAITS ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: BATE, Nicholas;MATHEW, Lolita George;O'CONNOR, Devin~ 33:US ~31:63/232,297 ~32:12/08/2021

2024/01237 ~ Complete ~54:METHOD OF OPERATING A FUEL CELL SYSTEM IN FUEL CELL MODE ~71:Technische Universität München, Arcisstraße 21, MÜNCHEN 80333, GERMANY, Germany ~72: FISCHER, Felix;HAUCK, Maximilian;HERRMANN, Stephan;SPLIETHOFF, Hartmut;WEINRICH, Jeremias~ 33:EP ~31:21184880.9 ~32:09/07/2021

2024/01240 ~ Complete ~54:COMPOSITIONS, METHODS AND SYSTEMS FOR AEROSOL DRUG DELIVERY ~71:AstraZeneca Pharmaceuticals LP, 1800 Concord Pike, WILMINGTON 19850, DE, USA, United States of America ~72: ARCHBELL, James;GUTIERREZ, Gertrude;JOSHI, Vidya;LACHACZ, Kellisa;LAMPA, Charina;LECHUGA-BALLESTEROS, David;MELLO, Lauren;RIEBE, Michael;TAN, Penny~ 33:US ~31:63/220,362 ~32:09/07/2021;33:US ~31:63/282,356 ~32:23/11/2021

2024/01241 ~ Complete ~54:DIHYDRO-2H-ISOINDOLE ESTER COMPOUND ~71:Shanghai Maius Pharmaceutical Co. Ltd., Room 913, building 1, No.515, huanke Road, Pudong New Area, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: GUO, Yekun;HU, Xiang;HUANG, Dujian;SHI, Mingfeng~ 33:CN ~31:202110907061.6 ~32:09/08/2021

2024/01245 ~ Complete ~54:MULTI-PREAMBLE PHYSICAL RANDOM ACCESS CHANNEL INDICATION ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: ALFARHAN, Faris;HASEGAWA, Fumihiro;KUBOTA, Keiichi;MARINIER, Paul;WATTS, Dylan~ 33:US ~31:63/228,903 ~32:03/08/2021;33:US ~31:63/249,940 ~32:29/09/2021

2024/01227 ~ Provisional ~54:PROCOOL VISOR ~71:Antony Czeslaw Falencikowski, Unit 1, 5 Commisioner street, South Africa ~72: Antony Czeslaw Falencikowski~

2024/01234 ~ Complete ~54:TREATMENT OF JAK-INHIBITION-RESPONSIVE DISORDERS WITH PRODRUGS OF JAK INHIBITORS ~71:SUN PHARMACEUTICAL INDUSTRIES, INC., 2 Independence Way, United States of America ~72: MORGAN, Adam J.~ 33:US ~31:63/232,538 ~32:12/08/2021;33:US ~31:63/233,059 ~32:13/08/2021

2024/01236 ~ Complete ~54:SHAFT EXCAVATOR ~71:REDPATH DEILMANN GMBH, Haustenbecke 1, Germany ~72: Frank KRISTEK;Patrick JAKOB;Uwe RÜPING~ 33:DE ~31:10 2021 122 241.9 ~32:27/08/2021

2024/01238 ~ Complete ~54:COMPOSITIONS, METHODS AND SYSTEMS FOR AEROSOL DRUG DELIVERY ~71:AstraZeneca Pharmaceuticals LP, 1800 Concord Pike, WILMINGTON 19850, DE, USA, United States of America ~72: ARCHBELL, James;GUTIERREZ, Gertrude;JOSHI, Vidya;LACHACZ, Kellisa;LAMPA, Charina;LECHUGA-BALLESTEROS, David;MELLO, Lauren;RIEBE, Michael;TAN, Penny~ 33:US ~31:63/220,362 ~32:09/07/2021;33:US ~31:63/282,356 ~32:23/11/2021

2024/01247 ~ Complete ~54:A METHOD OF FORMING A PATTERNED CARPET IN A TUFTING MACHINE ~71:VANDEWIELE NV, Michel Vandewielestraat 7, 8510, Kortrijk (Marke), Belgium ~72: FRANK MARIJSSE;KRISTOF OOSTERLIJNCK~ 33:GB ~31:2110136.5 ~32:14/07/2021

2024/01244 ~ Complete ~54:REINFORCEMENT SYSTEM AND METHOD FOR SUPPORTING STACKED BOXES AND CONTAINERS ~71:STANLEY CALVO, Roberto Tomás, Las Encinas 441, Cerrilos, SANTIAGO, CHILE, Chile ~72: STANLEY CALVO, Roberto Tomás~ 33:CL ~31:2364-2021 ~32:09/09/2021

2024/01248 ~ Complete ~54:COMPRESSOR ASSEMBLY ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: THOMAS LUC SWERTS;TOM RAYMOND JOZEF HENDRIK DE VLOO~ 33:BE ~31:2021/5642 ~32:12/08/2021;33:BE ~31:2022/5228 ~32:30/03/2022;33:BE ~31:2022/5229 ~32:30/03/2022;33:BE ~31:2022/5398 ~32:23/05/2022

2024/01239 ~ Complete ~54:COMPOSITIONS, METHODS AND SYSTEMS FOR AEROSOL DRUG DELIVERY ~71:AstraZeneca Pharmaceuticals LP, 1800 Concord Pike, WILMINGTON 19850, DE, USA, United States of America ~72: ARCHBELL, James;GUTIERREZ, Gertrude;JOSHI, Vidya;LACHACZ, Kellisa;LAMPA, Charina;LECHUGA-BALLESTEROS, David;MELLO, Lauren;RIEBE, Michael;TAN, Penny~ 33:US ~31:63/220,362 ~32:09/07/2021;33:US ~31:63/282,356 ~32:23/11/2021

2024/01243 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATMENT AND PREVENTION OF MISFOLDED PROTEINS ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: HUANG, Liangqian;YANG, Xiaolu~ 33:US ~31:63/230,443 ~32:06/08/2021

. - APPLIED ON 2024/02/09 -

2024/01269 ~ Complete ~54:COMPOSITIONS AND METHODS FOR PRODUCTION OF VALUE-ADDED CHEMICALS ~71:SOLUGEN, INC., 14549 Minetta Street, Houston, Texas, 77035-6523, United States of America ~72: BRIAN F FISHER;DANIELLE FAIR;DAVID WEINER;GAURAB CHAKRABARTI;HANS-JOERG WOELK;KEVIN LOFTIS;KONRAD MILLER;PETER NGUYEN;PHILIPP WIEMANN;SARAH DOWNING;SEAN HUNT;SHUAI QIAN;TONI M LEE~ 33:US ~31:63/224,553 ~32:22/07/2021

2024/01257 ~ Complete ~54:METALLURGICAL MELTING FURNACE, AND METHOD FOR DETERMINING THE AMOUNT OF HETEROMOLECULAR GAS ~71:PROMECON PROCESS MEASUREMENT CONTROL GMBH, Steinfeldstr. 5, Germany ~72: Hans Georg CONRADS;Matthias MÄDE~ 33:DE ~31:10 2021 004 593.9 ~32:10/09/2021

2024/01262 ~ Complete ~54:COMPOSITE FOAM-GLASS ELEMENTS AND THEIR APPLICATION ~71:SG SCHAUMGLAS GMBH & CO. KG, Hüblteichstr. 17, Germany ~72: Walter FRANK~ 33:DE ~31:10 2021 121 595.1 ~32:19/08/2021

2024/01283 ~ Complete ~54:PROCESS FOR THE PREPARATION OF POLYCARBODIIMIDES WITH AZIRIDINE FUNCTIONS, WHICH MAY BE USED AS CROSSLINKING AGENT ~71:STAHL INTERNATIONAL B.V., Sluisweg 10, Netherlands ~72: DERKSEN, Andries Johannes;VISSERS, Suzanne~ 33:NL ~31:2028984 ~32:18/08/2021

2024/01255 ~ Complete ~54:SYSTEM AND METHOD TO DETERMINE CONDITION OF NOZZLES OF AN AGRICULTURAL IMPLEMENT ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: COLLINS, Sara;KNUFFMAN, Ryan~ 33:US ~31:63/265,508 ~32:16/12/2021

2024/01265 ~ Complete ~54:PROGESTOGEN-ONLY ORAL CONTRACEPTION ~71:NAVAD LIFE SCIENCES PTE, 36 Robinson Road #13-01, City House, 068877, Singapore ~72: HERMANN OSTERWALD;MICHAEL OETTEL;PRITHI KOCHHAR~ 33:US ~31:17/385,057 ~32:26/07/2021

2024/01270 ~ Complete ~54:NUCLEOSIDE DERIVATIVES AND PRODRUGS THEREOF HAVING VIRAL GROWTH INHIBITORY ACTION ~71:SHIONOGI & CO., LTD., 1-8 Doshomachi 3-chome Chuo-ku Osaka-shi, Osaka, 541-0045, Japan ~72: ISSEI KATO;MASATO KANEDA;MASAYOSHI MIYAGAWA;RYOTA YAMAMOTO~ 33:JP ~31:2021-134801 ~32:20/08/2021

2024/01278 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KAESER, Stefan;MOODIE, Simon;PERENTES, Alexandre;SIEGRIST, Peter;TEKLITS, Alain~ 33:EP ~31:21186154.7 ~32:16/07/2021

2024/01280 ~ Complete ~54:DELIVERY DEVICE AND SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AZZOPARDI, Anna;GREEN, Harry~ 33:GB ~31:2111602.5 ~32:12/08/2021

2024/01266 ~ Complete ~54:ELECTRODE FOR THE ELECTROLYTIC EVOLUTION OF HYDROGEN ~71:INDUSTRIE DE NORA S.P.A., Via Bistolfi 35, 20134, Milan, Italy ~72: ALICE CALDERARA;STEFANIA MORA~ 33:IT ~31:IT102021000020735 ~32:02/08/2021

2024/01273 ~ Complete ~54:DEVICE, COMPONENTS, AND KITS FOR APPLYING HAIR COMPOSITIONS AND THE MANUFACTURE AND USE THEREOF ~71:FENWICK & CO LIMITED, 26 Tay Street, New Zealand ~72: BACKLER, Matthew;FENWICK, Aarron;FULLERTON, Mark;REES-JONES, Blythe~ 33:NZ ~31:779414 ~32:25/08/2021

2024/01276 ~ Complete ~54:CONTAINER, BEVERAGE OR FOODSTUFF PREPARATION SYSTEM, USE OF SAID CONTAINER AND METHOD OF FORMING A CONTAINER ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: YOAKIM, Alfred~ 33:EP ~31:21186122.4 ~32:16/07/2021

2024/01250 ~ Complete ~54:AN EFFICIENT SYSTEM AND METHOD FOR REMOVAL OF ARSENIC FROM WATER ~71:Aditya Shankar Ghosh, S/o. Shri Tarun Kumar Ghosh, Assistant Professor, Department of Civil Engineering, Dream Institute of Technology, Thakurpukur, B. H. Road, Kolkata, West Bengal, 700104, India;Bidisha Bera, D/o. Pravat Chandra Bera, Assistant Professor, Global Institute of Science & Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur, West Bengal, 721657, India;Dr. Debnarayan Khatua, S/o. Sahadeb Khatua, Assistant Professor, Department of Mathematics and Statistics, Vignan’s Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur, Andhra Pradesh, 522213, India;Dr. Gourisankar Roymahapatra, S/o. Sukdev Roymahapatra, Associate Professor, School of Applied Science, Haldia Institute of Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur, West Bengal, 721657, India;Dr. Himadri Sekhar Das, S/o. Nirmal Kumar Das, Assistant Professor, Department of Electronics and Communication Engineering, Haldia Institute of Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur, West Bengal, 721657, India;Dr. Milan Hait, S/o. Srikanta Hait, Associate Professor, Department of Chemistry, Dr. C. V. Raman University, Bilaspur, Chhattisgarh, 495113, India;Dr. Nanda Kumar Kashyap, S/o. Guharam Kashyap, Lecturer, Department of Chemistry, Govt. Higher Secondary School, Hasuwa, Block Kasdol, Baloda - Bhatapara, Chhattisgarh, 493344, India;Dr. Santanu Koley, S/o. Siba Prasad Koley, Professor, Haldia Institute of Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur, West Bengal, 721657, India;Janmejay Sahoo, S/o. Anantha Charan Sahoo, , Balasore, Fakir Mohan Nagar, Karanjia, Balasore, Odisha, 756001, India;Sudarshan Chakra Mandal, S/o. Binoy Krishna Mandal, A-255, Indra Kalyan Vihar, Block A, Okhla Ph-1, Okhla Industrial Estate, S. O., South Delhi, Delhi, 110020, India;Suvankar De, S/o. Asit Kumar De, Lecturer, Department of Civil Engineering, Global Institute of Science & Technology, ICARE Complex, Hatiberia, Haldia, Purba Medinipur, West Bengal, 721657, India ~72: Aditya Shankar Ghosh;Bidisha Bera;Dr. Debnarayan Khatua;Dr. Gourisankar Roymahapatra;Dr. Himadri Sekhar Das;Dr. Milan Hait;Dr. Nanda Kumar Kashyap;Dr. Santanu Koley;Janmejay Sahoo;Sudarshan Chakra Mandal;Suvankar De~

2024/01253 ~ Complete ~54:SYSTEM FOR UNLOADING A SAMPLE CONTAINER ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;MINARICH, Nicholas;SWANSON, Todd;TOBBEN, Joel~ 33:US ~31:63/245,278 ~32:17/09/2021;33:US ~31:63/264,059 ~32:15/11/2021;33:US ~31:63/264,062 ~32:15/11/2021;33:US ~31:63/264,065 ~32:15/11/2021;33:US ~31:63/370,072 ~32:01/08/2022;33:US ~31:63/370,077 ~32:01/08/2022

2024/01259 ~ Complete ~54:IDENTIFICATION OF COMMON TUMOR-SPECIFIC T CELL RECEPTORS AND ANTIGENS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: ADAM, Paul;HAMMER, Rudolf;HENNIG, Steffen;LUKOWSKI, Samuel;WEISMANN, David~ 33:EP ~31:21185876.6 ~32:15/07/2021

2024/01261 ~ Complete ~54:ORTHOPEDIC SPRING HINGE SYSTEMS AND METHODS ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy;TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, 2222 Welborn Street, United States of America ~72: CHERKASHIN, Alexander M.;LUPATINI, Michael;OTTOBONI, Andrea;ROSS, John D.;SAMCHUKOV, Mikhail L.;STANDEFER, Karen;VENTURINI, Daniele~ 33:EP ~31:21195761.8 ~32:09/09/2021;33:US ~31:17/470,116 ~32:09/09/2021

2024/01282 ~ Complete ~54:LIPOSOMES CONTAINING PHOSPHORYLATED TAU PEPTIDES FOR INDUCING SUSTAINED IMMUNE RESPONSES ~71:AC Immune SA, EPFL Innovation Park, building B, LAUSANNE 1015, SWITZERLAND, Switzerland;Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: GALPERN, Wendy;MUHS (Deceased), Andreas;PFEIFER, Andrea~ 33:US ~31:63/260,227 ~32:12/08/2021;33:US ~31:63/263,541 ~32:04/11/2021;33:US ~31:63/267,975 ~32:14/02/2022

2024/01267 ~ Complete ~54:IL12 RECEPTOR AGONISTS AND METHODS OF USE THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: AARON CHANG;CHIA-YANG LIN;ERIC SMITH;ERICA ULLMAN;JIAXI WU;NICOLIN BLOCH;SAMUEL DAVIS;TONG ZHANG~ 33:US ~31:63/223,534 ~32:19/07/2021;33:US ~31:63/233,084 ~32:13/08/2021;33:US ~31:63/281,580 ~32:19/11/2021;33:US ~31:63/337,038 ~32:29/04/2022

2024/01274 ~ Complete ~54:TREATMENT OF INFLAMMATORY DISEASES ~71:Galapagos NV, Generaal De Wittelaan L11/A3, MECHELEN 2800, BELGIUM, Belgium ~72: DAO, Justine;GALIEN, René Alexandre;HELLOT, Edouard;PETKOVA, Magdalena Yonkova;RUEDA RINCON, Natalia;SEEMAYER, Christian Alexander~ 33:EP ~31:21305971.0 ~32:12/07/2021;33:EP ~31:22315039.2 ~32:24/02/2022

2024/01249 ~ Provisional ~54:POWER INCREMENT CONTRAPTION ~71:Lunga Selby Ncolosi, Stand 74, South Africa ~72: Lunga Selby Ncolosi~

2024/01254 ~ Complete ~54:CYTOTOXICITY TARGETING CHIMERAS FOR CCR2-EXPRESSING CELLS ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, 980 Great West Road, Brentford, United Kingdom ~72: CHEN, Peiling;DODSON, Jason W.;KNAPP-REED, Beth A.;LEACH, Craig;LI, Yuehu;MARINO JR., Joseph Paul;SENDER, Matthew Robert;TURUNEN, Brandon;YE, Guosen;ZHANG, Cunyu~ 33:US ~31:63/233,166 ~32:13/08/2021

2024/01260 ~ Complete ~54:CLOSURE CAP AND CLOSURE SYSTEM FOR A SYRINGE THAT IS PREFILLED WITH A MEDICAMENT OR MEDICAL ACTIVE SUBSTANCE ~71:INDUCTIO AG, Obere Steingrubenstrasse 6, Switzerland ~72: KOLLER, Horst~ 33:EP ~31:21185683.6 ~32:14/07/2021

2024/01275 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: KAESER, Stefan;SIEGRIST, Peter;YOAKIM, Alfred~ 33:EP ~31:21186146.3 ~32:16/07/2021

2024/01281 ~ Complete ~54:CELLULOSE FIBRES ~71:Speciality Fibres and Materials Limited, The Broadgate Tower 3rd Floor, 20 Primrose Street, LONDON EC2A 2RS, UNITED KINGDOM, United Kingdom ~72: FINNEGAN, Simon Martin;KETTLEWELL, Graeme;KING, Ewa;WYNN-JONES, Gareth~ 33:GB ~31:2111503.5 ~32:10/08/2021

2024/01258 ~ Complete ~54:SHAPING AND BEAUTIFYING METHOD ~71:LIANG, Jian, Room 201, Building 5 Cuizhuyuan, Fulin Jinguiliwan, No.61 Yudong Avenue, Yuzhou District Yulin, Guangxi, 537000, People's Republic of China ~72: LIANG, Jian~ 33:CN ~31:202111083306.4 ~32:03/09/2021

2024/01264 ~ Complete ~54:ARMOUR COMPONENT PRODUCED FROM A 7XXX-SERIES ALUMINIUM ALLOY ~71:NOVELIS KOBLENZ GMBH, Carl-Spaeter-Straße 10 56070 Koblenz, Germany ~72: ACHIM BÜRGER;BERND JACOBY;IRIS BERNSTEIN;LAWRENCE KRAMER~ 33:US ~31:63/224,618 ~32:22/07/2021

2024/01268 ~ Complete ~54:MEASURING AND/OR CONTROL SYSTEM FOR OPTIMIZING ENVIRONMENTAL-RELEVANT ENERGY CONSUMPTION IN PRODUCTION PROCESSES OF PLANTS OR INDUSTRIAL SITES AND/OR MEASURING SYSTEM FOR AUTOMATED MEASURING OF ENVIRONMENTAL QUANTIFICATION MEASURANDS ~71:BÜHLER AG, Gupfenstrasse 5, 9240, Uzwil, Switzerland ~72: ADRIAN RIBI;ALEXIS NOËL;GIULIA MANZOLINI;JAY O'NIEN;URS DUEBENDORFER~ 33:EP ~31:21185050.8 ~32:12/07/2021

2024/01272 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AS MAP4K1 INHIBITORS ~71:BLUEPRINT MEDICINES CORPORATION, 45 Sidney Street, Cambridge, Massachusetts, 02139, United States of America ~72: CHANDRASEKHAR V MIDUTURU;EMANUELE PEROLA;JASON D BRUBAKER;JOSHUA T CLOSE;THOMAS A DINEEN~ 33:US ~31:63/221,825 ~32:14/07/2021

2024/01277 ~ Complete ~54:CONTAINER AND BEVERAGE OR FOODSTUFF PREPARATION SYSTEM COMPRISING THE CONTAINER ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: MOODIE, Simon;YOAKIM, Alfred~ 33:EP ~31:21186135.6 ~32:16/07/2021

2024/01286 ~ Provisional ~54:GOPOLA MEDALLION ~71:Bianca Somers, Rhino Park 31, South Africa ~72: Bianca~

2024/01251 ~ Complete ~54:COATED FERTILIZER GRANULES ~71:SABIC GLOBAL TECHNOLOGIES B.V., Plasticslaan 1, 4612 PX, Bergen op Zoom, Netherlands ~72: GANESH KANNAN;JAMES HAIGH~ 33:US ~31:63/073,056 ~32:01/09/2020

2024/01252 ~ Complete ~54:A SMART HEALTHCARE SYSTEM FOR INFECTIOUS DISEASE PREDICTION AND A METHOD THEREOF ~71:ANANDHAVALLI MUNIASAMY, Department of Information Systems, College of Computer Science, King Khalid University, Abha, 61421, Saudi Arabia;MARIYAM AYSHA BIVI, College of Computer Science, King Khalid University, Abha, 61421, Saudi Arabia;MOUSMI AJAY CHAURASIA, Muffakham Jah College of Engineering & Technology, Mount Pleasant, 8-2-249, Banjara Hills, Hyderabad, 500034, India;PRASANALAKSHMI BALAJI, College of Computer Science, King Khalid University, Abha, 61421, Saudi Arabia;THAVAVEL VAIYAPURI, College of Computer Engineering and Sciences, Prince Sattam bin Abdul Aziz University, Al Kharj, 16278, Saudi Arabia ~72: ANANDHAVALLI MUNIASAMY;MARIYAM AYSHA BIVI;MOUSMI AJAY CHAURASIA;PRASANALAKSHMI BALAJI;THAVAVEL VAIYAPURI~

2024/01256 ~ Complete ~54:SYSTEM AND METHOD FOR UNLOADING A SAMPLE CONTAINER CONTAINING AN AGRICULTURAL SAMPLE ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale M;MINARICH, Nicholas;SEELYE, Josh;SWANSON, Todd;VACCARI, Adam;WILDERMUTH, Paul~ 33:US ~31:63/245,278 ~32:17/09/2021;33:US ~31:63/264,059 ~32:15/11/2021;33:US ~31:63/264,062 ~32:15/11/2021;33:US ~31:63/264,065 ~32:15/11/2021;33:US ~31:63/370,072 ~32:01/08/2022;33:US ~31:63/370,077 ~32:01/08/2022

2024/01263 ~ Complete ~54:METALLO-B-LACTAMASE INHIBITORS ~71:UNIVERSITY OF KWAZULU-NATAL, Office of Registrar, University Road, Chiltern Hills, 3629 Westville, SOUTH AFRICA, South Africa;UNIVERSITY OF ZULULAND, Richards Bay, 3900, SOUTH AFRICA, South Africa ~72: ARVIDSSON, Per I;GOVENDER, Thavendran;KRUGER, Hendrik G;NAICKER, Tricia;PETERS, Byron~ 33:ZA ~31:2021/05326 ~32:28/07/2021

2024/01271 ~ Complete ~54:ELECTROLYSER FRAME DESIGN ~71:INDUSTRIE DE NORA S.P.A., Via Bistolfi 35, 20134, Milan, Italy ~72: DANIELE NUZZO;MICHELE PEREGO;MIRKO LIUZZO~ 33:EP ~31:21189863.0 ~32:05/08/2021

2024/01279 ~ Complete ~54:VIRUS-LIKE PARTICLE VACCINE FOR RESPIRATORY SYNCYTIAL VIRUS ~71:Icosavax, Inc., 1930 Boren Avenue, Suite 1000, SEATTLE 98101, WA, USA, United States of America ~72: HOLTZMAN, Douglas;KANESA-THASAN, Niranjan~ 33:US ~31:63/231,568 ~32:10/08/2021;33:US ~31:63/367,103 ~32:27/06/2022

. - APPLIED ON 2024/02/12 -

2024/01294 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE (AI) BASED WASTE MANAGEMENT SYSTEM ~71:Dr. Abhimanyu Kumar Jha, Professor and Head, Department of Biotechnology, School of Engineering and Technology Sharda University, Greater Noida 201310, Uttar Pradesh, India;Dr. Chandra Mohan, Associate Professor, School of Basic & Applied Sciences, K R Mangalam University, Gurugram 122103, Haryana, India;Dr. Ginni Rani, Assistant Professor, Department of Chemistry, D.P.G. Degree College, Gurugram 122001, Haryana, India;Dr. Mohini Vats, Assistant Professor, Department of Biotechnology, School of Engineering and Technology, Sharda University, Greater Noida 201310, Uttar Pradesh, India;Madhav Kumar, PhD Scholar, Department of Biotechnology, School of Engineering and Technology, Sharda University, Greater Noida 201310, Uttar Pradesh, India;Ms. Jenifer Robinson, Research Scholar, School of Basic & Applied Sciences, K R Mangalam University, Gurugram 122103, Haryana, India;Ms. Ragini Pandey, Assistant Professor, Department of Forensic Science, School of Basic & Applied Sciences, K R Mangalam University,Gurugram 122103, Haryana, India ~72: Dr. Abhimanyu Kumar Jha;Dr. Chandra Mohan;Dr. Ginni Rani;Dr. Mohini Vats;Madhav Kumar;Ms. Jenifer Robinson;Ms. Ragini Pandey~

2024/01305 ~ Complete ~54:CLAMPING DEVICE ~71:Gripple Limited, The Old West Gun Works, Savile Street East, SHEFFIELD S4 7UQ, SOUTH YORKSHIRE, UNITED KINGDOM, United Kingdom ~72: WHITE, Samuel~ 33:GB ~31:2111811.2 ~32:18/08/2021;33:GB ~31:2211782.4 ~32:12/08/2022

2024/01304 ~ Complete ~54:SCREEN INTAKE ~71:Johnson Screens, Inc., 1950 Old Hwy. 8 NW, NEW BRIGHTON 55112, MN, USA, United States of America ~72: BERG, Warren;BERTELSON, Daryn;VISSER, Denys~ 33:US ~31:63/227,851 ~32:30/07/2021

2024/01314 ~ Complete ~54:APPARATUS FOR CONVEYING HORTICULTURAL PRODUCTS ~71:UNITEC S.P.A., Via Provinciale Cotignola, 20/9, 48022, Lugo, Italy ~72: LUCA BENEDETTI~ 33:IT ~31:102021000018389 ~32:13/07/2021

2024/01292 ~ Provisional ~54:THE NATIONAL FLOWER 5G SMART GRID TOWERS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/01297 ~ Complete ~54:ANTI-TIGIT ANTIBODIES AND METHODS OF USE ~71:GENENTECH, INC., 1 DNA Way South, San Francisco, California, 94080-4990, United States of America ~72: DHAYA SESHASAYEE;JANE L GROGAN;MAHESH YADAV;MEREDITH HAZEN;PATRICK LUPARDUS;ROBERT J JOHNSTON;WEI-CHING LIANG;YAN WU~ 33:US ~31:62/233,230 ~32:25/09/2015;33:US ~31:62/369,299 ~32:01/08/2016

2024/01300 ~ Complete ~54:ENHANCED STABILITY GASKET AND COUPLING ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: BANCROFT, Philip Wayne;BOWMAN, Matthew A.~ 33:US ~31:63/251,082 ~32:01/10/2021

2024/01306 ~ Complete ~54:METHOD FOR DETERMINING A LOCAL TEMPERATURE ANOMALY IN A FLUIDIZED BED OF A REACTOR, METHOD FOR CALIBRATING A NUMERICAL MODEL OF A FLUIDIZED BED OF A REACTOR, METHOD FOR ESTIMATING RISK OF FLUIDIZED BED REACTOR BED SINTERING, METHOD OF CONTROLLING A FLUIDIZED BED REACTOR, AS WELL AS A REACTOR ~71:Sumitomo SHI FW Energia Oy, Metsänneidonkuja 10, ESPOO 02130, FINLAND, Finland ~72: KETTUNEN, Ari;LIUKKONEN, Mika;MIETTINEN, Jouni~ 33:IB ~31:2021/074840 ~32:09/09/2021

2024/01290 ~ Provisional ~54:FORCE SENSING THUMB STICK ~71:AZOTEQ HOLDINGS LIMITED, c/o Spyrou Kyprianou Avenue 20, Chapo Central, Cyprus ~72: BRUWER, Frederick Johannes~

2024/01296 ~ Complete ~54:INSECTICIDAL PROTEINS AND METHODS FOR THEIR USE ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 N.W. 62nd Avenue, P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: ELLAINE ANNE MARIANO FOX;KAY WALTER;NAGA KISHORE KAKANI;TAKASHI YAMAMOTO;YI ZHENG~ 33:US ~31:62/724,276 ~32:29/08/2018

2024/01307 ~ Complete ~54:MAGNETIC ROTATION DEVICE FOR HIGH VACUUM APPLICATIONS SUCH AS ION AND ISOTOPE PRODUCTION ~71:SHINE Technologies, LLC, 3400 Innovation Court, JANESVILLE 53546, WI, USA, United States of America ~72: MARTIN, Daniel~

2024/01318 ~ Complete ~54:CONNECTOR HAVING SEMICONDUCTOR COOLING DEVICE, AND AUTOMOBILE ~71:CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO., LTD., No. 957, Shunda Road, High-tech Development Zone, Chaoyang District Changchun, Jilin 130000, People's Republic of China ~72: CHAO WANG~ 33:CN ~31:202110821575.X ~32:20/07/2021

2024/01288 ~ Provisional ~54:ZYTEC RETAIL REWARDS CHECKOUT SYSTEM ~71:Kennett Technical Services cc, Unit 66, Hazy Ridge, 9 Swallow Lane, South Africa ~72: Barrie Charles Kennett~

2024/01313 ~ Complete ~54:METHODS AND COMPOSITIONS FOR MODIFYING CYTOKININ RECEPTOR HISTIDINE KINASE GENES IN PLANTS ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: MATHEW, Lolita George;O'CONNOR, Devin;ZHANG, Xiaoyu~ 33:US ~31:63/234,000 ~32:17/08/2021

2024/01315 ~ Complete ~54:NECTIN-4 ANTIBODIES AND CONJUGATES ~71:TALLAC THERAPEUTICS, INC., 866 Malcolm Road, Suite 100, Burlingame, California, 94010, United States of America ~72: AMY SHAW-RU CHEN;BANG JANET SIM;EMMA RUTH B SANGALANG;HONG IRIS WAN;MAJA ZUKIC BONACORSI;MARIA JOSÉ DA SILVA TEIXEIRA COSTA;MIN LI;MINGRUI AN;PAVEL STROP;TRACY CHIA-CHIEN KUO~ 33:US ~31:63/235,656 ~32:20/08/2021;33:US ~31:63/236,809 ~32:25/08/2021;33:US ~31:63/255,318 ~32:13/10/2021

2024/01312 ~ Complete ~54:CAMERA POSITION REVIEW FOR VEHICLE DRIVER ASSISTANCE SYSTEMS ~71:BELRON INTERNATIONAL LIMITED, Milton Park, Stroude Road, United Kingdom ~72: DANIEL, Gwen;DANIEL, Gwen;DAVIES, Chris~ 33:GB ~31:2112432.6 ~32:01/09/2021

2024/01303 ~ Complete ~54:RETGC GENE THERAPY ~71:MeiraGTx UK II Limited, 92 Britannia Walk, LONDON N1 7NQ, ABERDEENSHIRE, UNITED KINGDOM, United Kingdom ~72: GEORGIADIS, Anastasios~ 33:US ~31:63/221,883 ~32:14/07/2021

2024/01299 ~ Complete ~54:OLIGONUCLEOTIDES AND COMPOSITIONS THEREOF FOR NEUROMUSCULAR DISORDERS ~71:MIRECULE, INC., 704 Quince Orchard Road, Suite 140, United States of America ~72: BELGARD, Grant;MARUSAK, Charles;MUNZ, Marton;PLACE, Robert;SALEH, Anthony~ 33:US ~31:63/221,568 ~32:14/07/2021

2024/01308 ~ Complete ~54:METHOD FOR RECYCLING SPENT REDUCTION GAS IN A DIRECT REDUCTION OF IRON ORE SYSTEM UTILIZING AN ELECTRIC GAS HEATER ~71:Midrex Technologies, Inc., 3735 Glen Lake Dr., Suite 400, CHARLOTTE 28208, NC, USA, United States of America ~72: ASTORIA, Todd;CINTRON, Enrique Jose;MICHISHITA, Haruyasu~ 33:US ~31:63/232,748 ~32:13/08/2021;33:US ~31:17/884,070 ~32:09/08/2022

2024/01322 ~ Complete ~54:COMPOSITIONS AND METHODS FOR PREVENTING AND/OR TREATING DISEASE ASSOCIATED WITH IL-23 EXPRESSION ~71:ALLSPIM, 8 rue des Ursulines, 75005, Paris, France ~72: JEAN-MARIE ANDRIEU;LOUIS LU~ 33:EP ~31:21305991.8 ~32:15/07/2021

2024/01301 ~ Complete ~54:CONTRAST AGENT MIXER ~71:LUMENT AB, Box 719, Sweden ~72: ADNERHILL, Ingvar;BÖÖK, Olof;CASAL-DUJAT, Lucia;FORK, Thomas;LIU, Wenyun~ 33:SE ~31:2151163-9 ~32:23/09/2021;33:SE ~31:2151200-9 ~32:30/09/2021;33:SE ~31:2251068-9 ~32:15/09/2022;33:SE ~31:2251071-3 ~32:15/09/2022

2024/01287 ~ Provisional ~54:THE VERTICAL SHIELDS AND BILLBOARD MICROGRIDS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/01295 ~ Complete ~54:RECOMBINANT HUMAN ACID ALPHA-GLUCOSIDASE ~71:AMICUS THERAPEUTICS, INC., 1 Cedar Brook Drive, Cranbury, New Jersey, 08512, United States of America ~72: ENRIQUE DILONÉ;HING CHAR;HUNG DO;RICHIE KHANNA;RUSSELL GOTSCHALL;SERGEY TESLER;WENDY SUNDERLAND;YI LUN~ 33:US ~31:62/506,561 ~32:15/05/2017;33:US ~31:62/506,569 ~32:15/05/2017;33:US ~31:62/506,574 ~32:15/05/2017;33:US ~31:62/529,300 ~32:06/07/2017;33:US ~31:62/564,083 ~32:27/09/2017;33:US ~31:62/567,334 ~32:03/10/2017;33:US ~31:62/618,021 ~32:16/01/2018;33:US ~31:62/624,638 ~32:31/01/2018;33:US ~31:62/660,758 ~32:20/04/2018

2024/01311 ~ Complete ~54:NOVEL FAB DIMERS ~71:HELMHOLTZ ZENTRUM MÜNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FÜR GESUNDHEIT UND UMWELT (GMBH), Ingolstädter Landstrasse 1, Germany ~72: ZEIDLER, Reinhard~ 33:EP ~31:21185562.2 ~32:14/07/2021

2024/01317 ~ Complete ~54:COMBINATION THERAPY FOR TREATING ABNORMAL CELL GROWTH ~71:FRANCIS CRICK INSTITUTE, 1 Midland Road London, Greater London, NW1 1AT, United Kingdom;VERASTEM, INC., 117 Kendrick Street, Suite 500, Needham, Massachusetts, 02494, United States of America ~72: BRIAN M STUGLIK;JONATHAN A PACHTER;JULIAN DOWNWARD;MIRIAM MOLINA ARCAS;SILVIA COMA~ 33:US ~31:63/203,555 ~32:27/07/2021

2024/01302 ~ Complete ~54:DEUTERATED COMPOUNDS ~71:Alebund Pharmaceuticals (Hong Kong) Limited, 1/F., No. 50 Tai Wan New Village, Yung Shue Wan, LAMMA ISLAND , HONG KONG, CHINA (P.R.C.), People's

Republic of China ~72: SHU, Chutian;TIAN, Jin~ 33:IB ~31:2021/112521 ~32:13/08/2021;33:IB ~31:2022/106648 ~32:20/07/2022

2024/01310 ~ Complete ~54:COMBINATION THERAPY TO TREAT BRAIN CANCER ~71:Inovio Pharmaceuticals, Inc., 660 W. Germantown Pike, Suite 110, PLYMOUTH MEETING 19462, PA, USA, United States of America;Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill, River Road, TARRYTOWN 10591-6707, NY, USA, United States of America ~72: BREDLAU, Amy-Lee;FERRARO, Bernadette;GILLESPIE, Elisabeth;KRAYNYAK, Kimberly A.;LOWY, Israel;MORROW, Matthew P.;SKOLNIK, Jeffrey;SYLVESTER, III , Albert J.;WALTERS, Jewell;YAN, Jian~ 33:US ~31:63/232,966 ~32:13/08/2021

2024/01319 ~ Complete ~54:HEPATITIS B VIRUS (HBV) KNOCKOUTS ~71:EMENDOBIO INC., 1013 Centre Road, Suite 403-b Wilmington, Delaware 19805, United States of America ~72: RAFI EMMANUEL~ 33:US ~31:63/224,581 ~32:22/07/2021

2024/01291 ~ Provisional ~54:THE VERTICAL CSP-PV HYBRID SOLAR TOWERS AND CIRCLE OF LIFE SOLAR PLANTS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/01293 ~ Complete ~54:CNN AND IMAGE PROCESSING BASED DEVICE FOR EVALUATION AND ANALYSIS OF FINANCIAL REPORT ~71:Dr. Ashutosh Mohan, Institute of Management Studies Banaras Hindu University Varanasi, 221005, UP, India;Dr. Basuvaraj Marappan, Assistant Professor, School of Commerce, Finance and Accountancy CHRIST (Deemed to be University) Bangalore -560 073, India;Dr. Ishi Mohan, Assistant Professor, Faculty of Commerce, Banaras Hindu University, Varanasi , 221005, UP, India;Dr. J.M. Velmurugan, Assistant Professor in Commerce (SS), The Tamil Nadu Dr. Ambedkar Law University, Chennai, Tamil Nadu, 600028, India;Dr. Murugesan Selvam, Senior Professor and Head (Retried), Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli, 620024, India;Dr. S. Mohan, Principal, S.K.S.S Arts College, Tiruppanandal, Kumbakonam, Tamil Nadu, 612504, India;Elavarasan Chinnaraj, PhD Research Scholar in Management, Bharathidasan University, Tiruchirappalli, 620024, India;Sakthivel Santhoshkumar, PhD Research Scholar in Commerce, Bharathidasan University, Tiruchirappalli, 620024, India ~72: Dr. Ashutosh Mohan;Dr. Basuvaraj Marappan;Dr. Ishi Mohan;Dr. J.M. Velmurugan;Dr. Murugesan Selvam;Dr. S. Mohan;Elavarasan Chinnaraj;Sakthivel Santhoshkumar~

2024/01316 ~ Complete ~54:PLATE TYPE ROTATIONAL SEPARATOR ~71:BIORGANICS UFT B.V., Zuiderdiep 558A, 7876 BH VALTHERMOND, Netherlands ~72: ANDREAS TIEMANN;HENDRIK ARIE BOELE~ 33:NL ~31:2028726 ~32:14/07/2021

2024/01298 ~ Complete ~54:OPTIMIZED FACTOR VIII GENES ~71:BIOVERATIV THERAPEUTICS INC., 225 Second Avenue, Waltham, Massachusetts, United States of America ~72: LIU, Tongyao;MAGHODIA, Ajay;ZAKAS, Philip~ 33:US ~31:63/236,225 ~32:23/08/2021

2024/01309 ~ Complete ~54:APPARATUS FOR SERVICING A STRUCTURE ~71:RotoTech Pte Ltd., 100 Pasir Panjang Road, #05-08, SINGAPORE 118518, SINGAPORE, Singapore ~72: HARTOG, Simon;THANGARAJAN, Dinesh~ 33:GB ~31:2110101.9 ~32:13/07/2021

2024/01320 ~ Complete ~54:MOULD FOR CASTING MOLTEN METAL COMPRISING A COUPLING MECHANISM FOR A SHROUD, CASTING INSTALLATION FOR CASTING A MOLTEN METAL AND METHOD FOR CASTING A MOLTEN METAL ~71:FOSECO INTERNATIONAL LIMITED, 1 Midland Way Central Park, Barlborough Links, S43 4XA, United Kingdom ~72: DAVID HRABINA~ 33:EP ~31:21190734.0 ~32:11/08/2021;33:EP ~31:21190735.7 ~32:11/08/2021

2024/01289 ~ Provisional ~54:DUST CONTROL COMPOSITION ~71:VAN DER MERWE, Daniel, ZWAVELPOORT, SAAL ST. PLOT 63, PRETORIA 0081, South Africa;VAN DER MERWE, Daniel,

ZWAVELPOORT, SAAL ST. PLOT 63, PRETORIA 0081, South Africa;VAN DER MERWE, Nicolaus, ZWAVELPOORT, SAAL ST. PLOT 63, PRETORIA 0081, South Africa ~72: VAN DER MERWE, Daniel;VAN DER MERWE, Daniel;VAN DER MERWE, Nicolaus~

2024/01321 ~ Complete ~54:ANTI-CD161 ANTIBODIES AND USES THEREOF ~71:IMMUNITAS THERAPEUTICS, INC., 830 Winter St., 2nd Floor, Waltham, Massachusetts, 02451, United States of America ~72: ALEXANDRIA FUSCO;ALISON TISDALE;ELIZABETH SCANLON;EMILY ROSENTRATER;FRANO IRVINE;GEORGE PUNKOSDY;MICHAEL BATTLES;ULI BIALUCHA~ 33:US ~31:63/236,122 ~32:23/08/2021

. - APPLIED ON 2024/02/13 -

2024/01338 ~ Complete ~54:WELDED ELECTROCHEMICAL REACTOR AND METHOD FOR THE PRODUCTION THEREOF ~71:Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V., Hansastraße 27c, MÜNCHEN 80686, GERMANY, Germany ~72: BURFEIND, Jens;DÖTSCH, Christian;WILHELM, Lukas~ 33:DE ~31:10 2021 118 183.6 ~32:14/07/2021

2024/01331 ~ Complete ~54:PUMP CONFIGURATION INCLUDING A PURGE VALVE ~71:CATERPILLAR INC., 100 NE Adams Street - AH9510, United States of America ~72: ENGLISH, Paul R.;MICKIEWICZ, Matthew;MORK, David A.~ 33:US ~31:17/404,202 ~32:17/08/2021

2024/01347 ~ Complete ~54:PEROXIDE-CROSSLINKABLE RUBBER COMPOSITIONS CONTAINING ORGANIC FILLERS ~71:SunCoal Industries GmbH, Rudolf-Diesel-Straße 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: PODSCHUN, Jacob;SCHMAUCKS, Gerd;SCHWAIGER, Bernhard;STÜCKER, Alexander;WITTMANN, Tobias~ 33:EP ~31:21192648.0 ~32:23/08/2021;33:EP ~31:21199589.9 ~32:28/09/2021

2024/01323 ~ Provisional ~54:FASTENER ~71:Bryan Michael Risi, 130 Cromwell Road, Whitstable, Kent, CT5 1NQ, United Kingdom ~72: Bryan Michael Risi~

2024/01339 ~ Complete ~54:A MULTI-LAYER FLEXIBLE PACKAGING MATERIAL ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: DIMITROV, Kiril~ 33:EP ~31:21186706.4 ~32:20/07/2021;33:EP ~31:21213776.4 ~32:10/12/2021

2024/01342 ~ Complete ~54:LIPIDATED PEPTIDE INHIBITORS OF INTERLEUKIN-23 RECEPTOR ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America;Protagonist Therapeutics, Inc., 7707 Gateway Boulevard, Suite 140, NEWARK 94560, CA, USA, United States of America ~72: BARROS, Stephanie A.;BHANDARI, Ashok;BIANCHI, Elisabetta;BRANCA, Danila;COSTANTE, Roberto;DANIEL, James;DEL RIZZO, Sonia;FREDERICK, Brian;HENDRICK, Charles;LOLLOBRIGIDA, Martina;NEELAMKAVIL, Santhosh;PATCH, Raymond J.;RIEXINGER, Douglas;ROSOLIA, Federica;SOMANI, Sandeep;SUN, Chengzao;TRAN, Tran Trung;ZHANG, Jing~ 33:US ~31:63/221,697 ~32:14/07/2021

2024/01326 ~ Complete ~54:NON-COMBUSTIBLE AEROSOL PROVISION SYSTEMS WITH ATOMIZER-FREE CONSUMABLES ~71:RAI STRATEGIC HOLDINGS, INC., 401 North Main Street, United States of America ~72: BAILEY, Patrick;BURCHMAN, Zachary;FERGUSON, Royce;GATTI, Benjamin;HAINES, Richard;JOHNSON, Zachary;LETFULLINA, Alla;LOSAW, Jeremy;MCKEON, Tom;MCNEIL, Raeshon;NETTENSTROM, Matthew;NOVAK, Charles Jacob;ROOT, T.J.;SCHENNUM, Steve;SHORT, Jason M.;XIAO, Mike~ 33:US ~31:63/222,267 ~32:15/07/2021

2024/01343 ~ Complete ~54:ADAPTIVE BILATERAL MATCHING FOR DECODER SIDE MOTION VECTOR REFINEMENT FOR VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775

Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: HUANG, Han;KARCZEWICZ, Marta;SEREGIN, Vadim~ 33:US ~31:63/245,577 ~32:17/09/2021;33:US ~31:17/929,891 ~32:06/09/2022

2024/01349 ~ Provisional ~54:PERMANENT WAVE PRESOFTENING/STEP 1 VAPOURIZER/EVAPORATOR ~71:RAMOKGADI JOHANNES SELALA, 420 LEYDS STREET, 618 KIERPERSOL, SPRUITSIG PARK, SUNNYSIDE, South Africa ~72: RAMOKGADI JOHANNES SELALA~

2024/01329 ~ Complete ~54:AN ELECTRODE BODY OF AN ELECTRODE FOR THE ELECTROLYTIC PRODUCTION OF A METAL ~71:ELYSIS LIMITED PARTNERSHIP, 1 Place Ville Marie, Suite 2323 Montreal, Canada ~72: MICKELSON, Larry;PRINCE, David;SHANTA, Charles~ 33:US ~31:63/241,258 ~32:07/09/2021

2024/01340 ~ Complete ~54:GENERATING DIGITAL SIGNATURES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: PETTIT, Michaella~ 33:GB ~31:2111441.8 ~32:09/08/2021

2024/01341 ~ Complete ~54:APPARATUS FOR LAYING AN OPTIC CABLE INTO A DUCT ~71:Plumettaz Holding SA, Route de la Gribannaz 7, BEX 1880, SWITZERLAND, Switzerland ~72: ABBET, Fabrice;LOBSTEIN, Roland;WACINSKI, Andrej~ 33:CH ~31:070178/2021 ~32:17/08/2021

2024/01327 ~ Complete ~54:IMPELLER FOR A DUCT ~71:MINETEK INVESTMENTS PTY LTD, 1 Civic Ave, Singleton, Australia ~72: VAN DER WALT, Johannes Petrus~ 33:AU ~31:2021221548 ~32:24/08/2021

2024/01336 ~ Complete ~54:FLOW SYNTHESIS PROCESS FOR THE PRODUCTION OF SULFONYLUREA COMPOUNDS ~71:NELSON MANDELA UNIVERSITY, University Way, Summerstrand, 6001 Port Elizabeth, South Africa ~72: CLOUDIUS RAY SAGANDIRA;PAUL WATTS~ 33:GB ~31:2111677.7 ~32:13/08/2021

2024/01348 ~ Complete ~54:NUCLEOTIDE COMPLEXES CAPABLE OF AN IMPROVED DNA SYNTHESIS YIELD ~71:Touchlight IP Limited, Morelands And Riverdale Buildings, Lower Sunbury Road, HAMPTON TW12 2ER, UNITED KINGDOM, United Kingdom ~72: KYSH, Daniel;ROTHWELL, Paul~ 33:GB ~31:2111742.9 ~32:16/08/2021

2024/01335 ~ Complete ~54:ADJUSTABLE BED ASSEMBLY WITH MAGNETIC ATTACHMENT AND METHODS OF MANUFACTURING SAME ~71:TEMPUR WORLD, LLC, 1000 Tempur Way, Lexington, Kentucky, 40511, United States of America ~72: ALANDA MARIE TAR;DARWIN GENTILE;DIANE MANUSZAK;PAUL GRIESE;ROBERT HANSON~ 33:US ~31:63/227,006 ~32:29/07/2021

2024/01345 ~ Complete ~54:POLYPEPTIDE DRUG CONJUGATE HAVING NOVEL STRUCTURE AND APPLICATION THEREOF ~71:Medshine Discovery Inc., Room 218, No.9 Gaoxin Road, Jiangbei New District, NANJING 210032, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Shuhui;HE, Haiying;JIANG, Zhigan;LI, Huining;XIA, Jianhua~ 33:CN ~31:202110945285.6 ~32:17/08/2021;33:CN ~31:202110976710.8 ~32:24/08/2021;33:CN ~31:202111214465.3 ~32:19/10/2021;33:CN ~31:202111223632.0 ~32:20/10/2021;33:CN ~31:202111465873.6 ~32:03/12/2021;33:CN ~31:202210003460.4 ~32:04/01/2022

2024/01328 ~ Complete ~54:COMPOUNDS AND METHODS FOR MODULATING SCN1A EXPRESSION ~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: JAFAR-NEJAD, Paymaan;RIGO, Frank~ 33:US ~31:63/237,898 ~32:27/08/2021

2024/01333 ~ Complete ~54:LOW-LOSS PLANAR WINDING CONFIGURATIONS FOR AN AXIAL FLUX MACHINE ~71:E-CIRCUIT MOTORS, INC., 10 Charles Street, Needham Heights, Massachusetts, 02494, United

States of America ~72: GEORGE HARDER MILHEIM;STEVEN ROBERT SHAW~ 33:US ~31:17/404,061 ~32:17/08/2021

2024/01346 ~ Complete ~54:PROTECTIVE SYSTEM, ASSEMBLY, AND METHOD ~71:ESCO Group LLC, 2141 Nw 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: DARE, Michael C.;HINTON, Nathan;MIKULSKY, Jacob;QIAN, Junbo~ 33:US ~31:63/228,588 ~32:02/08/2021

2024/01324 ~ Complete ~54:TYROSINE KINASE INHIBITORS ~71:PRINCIPIA BIOPHARMA INC., 220 East Grand Avenue, South San Francisco, California, 94080, United States of America ~72: DAVID GOLDSTEIN;TIMOTHY D OWENS~ 33:US ~31:62/170,547 ~32:03/06/2015;33:US ~31:62/271,689 ~32:28/12/2015

2024/01325 ~ Complete ~54:FORMULATIONS WITH ENHANCED SN-38 SOLUBILITY AND ORAL ABSORPTION ~71:TAIRX, INC., 6F-1, No. 66, San-Chung Rd., Nankang Business Park, Taiwan (R.O.C) ~72: Du-Shieng CHIEN;Yi-Wen CH~ 33:US ~31:63/240,990 ~32:05/09/2021

2024/01344 ~ Complete ~54:IL1RAP ANTIBODIES AND USES THEREOF ~71:Stelexis Therapeutics, LLC, 345 Park Avenue South, 12th Floor, NEW YORK 10010, NY, USA, United States of America ~72: BENARD, Lumie Marie Josephine;BIDERMAN, Lynn;BUGAJ-GAWEDA, Bozena;CARPENITO, Carmine;CHEN, Jiahao;DOYLE, Patrick James;DUEY, Dana Yen Mei;GUERNAH, Ilhem;KAROULIA, Zoi;LIPPINCOTT, John Andrew;LORENZ, Ivo C.;NAKAYAMA, Yasumi;ROOPNARIANE, Adriana Permaul~ 33:US ~31:63/223,994 ~32:21/07/2021

2024/01330 ~ Complete ~54:A SYSTEM AND METHOD OF IDENTIFYING EQUIPMENT ~71:CQMS PTY LTD, C/- James and Wells, Australia ~72: GREENWOOD, Kevin;HAMILTON, Ian;HILLIER, Nick;JUNG, Myoungki~ 33:AU ~31:2021902654 ~32:23/08/2021

2024/01337 ~ Complete ~54:FLOW SYNTHESIS PROCESS FOR THE PRODUCTION OF SULFONYLUREA COMPOUNDS ~71:NELSON MANDELA UNIVERSITY, University Way, Summerstrand, 6001 Port Elizabeth, South Africa ~72: AGNES ZVINAIYE KHASIPO (DECEASED);CLOUDIUS RAY SAGANDIRA;PAUL WATTS~ 33:GB ~31:2111678.5 ~32:13/08/2021

2024/01332 ~ Complete ~54:MAGNETIC MATERIAL FILLED PRINTED CIRCUIT BOARDS AND PRINTED CIRCUIT BOARD STATORS ~71:E-CIRCUIT MOTORS, INC., 10 Charles Street Needham Heights, Massachusetts, 02494, United States of America ~72: EDWARD CHARLES CARIGNAN;GEORGE HARDER MILHEIM;RYAN TERRENCE DUFFY;STEVEN ROBERT SHAW~ 33:US ~31:63/227,644 ~32:30/07/2021

2024/01334 ~ Complete ~54:SYNTHESIS OF SUBSTITUTED TRICYCLIC AMIDES AND ANALOGUES THEREOF ~71:ARBUTUS BIOPHARMA CORPORATION, 25th Floor, 700 West Georgia Street, Vancouver, British Columbia, V7Y 1B3, Canada ~72: GANAPATI REDDY PAMULAPATI;JEREMY MASON;MAHESH PALLERLA~ 33:US ~31:63/223,297 ~32:19/07/2021

2024/01350 ~ Provisional ~54:LOS MY CHERY ADVERT CONCEPT ~71:PHUMULANI ISAAC MKHEFA, 1949/1 PLATINUM MANOR NORTH, 174 BAY LEAF ST, CHANTELE, South Africa ~72: PHUMULANI ISAAC MKHEFA~

. - APPLIED ON 2024/02/14 -

2024/01360 ~ Complete ~54:NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING CUMINUM SPECIES ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: ARNDT, Daniel;CAMPANONI, Prisca~ 33:EP ~31:21186080.4 ~32:16/07/2021

2024/01362 ~ Complete ~54:USER EQUIPMENT AND BASE STATION INVOLVED IN TRANSMISSION OF SMALL DATA ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH

STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: SHAH, Rikin;SUZUKI, Hidetoshi~ 33:EP ~31:21187055.5 ~32:21/07/2021

2024/01366 ~ Complete ~54:TRIGGERING BEAM FAILURE RECOVERY UPON SECONDARY CELL GROUP ACTIVATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HENTTONEN, Tero;KOSKELA, Jarkko, Tuomo;TURTINEN, Samuli, Heikki~ 33:FI ~31:20215859 ~32:16/08/2021

2024/01372 ~ Complete ~54:SUPRAMOLECULAR AMINO ACID OR SALT THEREOF, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:Suzhou Oulit Biopharm Co., Ltd., Room 313, Building B, Zhanye Building No. 18 Zhanye Road, Suzhou Industrial Park, SUZHOU 215127 , JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: ZHANG, Jian~ 33:CN ~31:202110837472.2 ~32:23/07/2021

2024/01376 ~ Complete ~54:METHOD FOR RESONANCE ANALYSIS OF A VIBRATING MACHINE ~71:SANDVIK ROCK PROCESSING AUSTRALIA PTY LIMITED, 65 Epping Road North Ryde, New South Wales, 2113, Australia ~72: JAN SCHAEFER~ 33:DE ~31:10 2021 120 494.1 ~32:06/08/2021

2024/01382 ~ Complete ~54:SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION ~71:OHIO STATE INNOVATION FOUNDATION, 1524 North High Street, Columbus, Ohio 43201,, United States of America ~72: DARRAH, Thomas;HOWAT, Ian;MOORTGAT, Joachim;WHYTE, Colin~ 33:US ~31:63/182,624 ~32:30/04/2021

2024/01351 ~ Provisional ~54:TOILET ~71:JOHANNES JACOBUS PETRUS VAN WYK, 1 Jellicoe Place, South Africa ~72: JOHANNES JACOBUS PETRUS VAN WYK~

2024/01353 ~ Complete ~54:NAKED COLLATION PACKAGE FILM ~71:INNOVIA FILMS LTD, Station Road, United Kingdom ~72: LEWUCHA, Cezary;SINGH, Shalendra~ 33:GB ~31:2105310.3 ~32:14/04/2021;33:GB ~31:2111513.4 ~32:11/08/2021

2024/01364 ~ Complete ~54:SAFETY CLOSING DEVICE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: KRAUTKRAEMER, Christian~ 33:DE ~31:10 2021 119 064.9 ~32:22/07/2021

2024/01377 ~ Complete ~54:POLYMORPHS HAVING PESTICIDAL ACTIVITY ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: FRANK WESSELS;JENNIFER SKELTON;JINGLIN LIU;NEERAJ SANE;NEGAR GARIZI;NICOLA WEBB;PAUL LARSEN;RICK BETORI;TONY TRULLINGER~ 33:US ~31:63/228,910 ~32:03/08/2021;33:US ~31:63/368,548 ~32:15/07/2022

2024/01384 ~ Provisional ~54:AZWIEE LAVENDER AND ROSEMARY HAIR GROWTH OIL ~71:Dakalo Mondlane, 02 Koedoe Ave, South Africa ~72: Dakalo Mondlane~

2024/01363 ~ Complete ~54:LYOTROPIC LIQUID CRYSTALLINE NANOSYSTEMS WITH ENCAPSULATED BIOACTIVE MACROMOLECULES ~71:UNI-PHARMA KLEON TSETIS PHARMACEUTICAL LABORATORIES S.A., 14TH KM, NATIONAL ROAD 1, GR-145 64 KIFISSIA, ATTICA, ATHENS, GREECE, Greece ~72: CHOUNTOULESI, Maria;DEMETZOS, Constantinos;PISPAS, Asterios~ 33:GR ~31:20210100567 ~32:23/08/2021;33:GR ~31:20220100481 ~32:08/06/2022;33:GR ~31:20220100584 ~32:21/07/2022

2024/01369 ~ Complete ~54:SUSTAINED RELEASE FORMULATION COMPOSITION COMPRISING SEMAGLUTIDE OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF ~71:Peptron, Inc., (JeonMin-Dong) 37-24, Yuseong-daero 1628beon-gil, Yuseong-gu, DAEJEON 34054, REPUBLIC OF KOREA, Republic of Korea

~72: CHANG, Seung Gu;CHO, Jae Pyoung;CHOI, Ho Il;JANG, Eun Seo;LEE, Ji Hyang~ 33:US ~31:63/213,805 ~32:23/06/2021;33:KR ~31:10-2022-0077146 ~32:23/06/2022

2024/01381 ~ Complete ~54:SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION ~71:OHIO STATE INNOVATION FOUNDATION, 1524 North High Street, Columbus, Ohio 43201,, United States of America ~72: DARRAH, Thomas;HOWAT, Ian;MOORTGAT, Joachim;WHYTE, Colin~ 33:US ~31:63/182,624 ~32:30/04/2021

2024/01383 ~ Complete ~54:SYSTEMS AND METHODS FOR IDENTIFYING SUBSURFACE HYDROGEN ACCUMULATION ~71:OHIO STATE INNOVATION FOUNDATION, 1524 North High Street, Columbus, Ohio 43201,, United States of America ~72: DARRAH, Thomas;HOWAT, Ian;MOORGAT, Joachim;WHYTE,Colin~ 33:US ~31:63/182,624 ~32:30/04/2021

2024/01359 ~ Complete ~54:NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING OREGANUM SPECIES ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: ARNDT, Daniel;CAMPANONI, Prisca~ 33:EP ~31:21186086.1 ~32:16/07/2021

2024/01354 ~ Complete ~54:RENEWABLE ENERGY SYSTEM ~71:REDGARD, Armand, 39 JB Marks Rd (Old Chelmsford Rd), Unit 14, Glenwood, South Africa ~72: REDGARD, Armand~ 33:ZA ~31:2022/12531 ~32:17/11/2022

2024/01352 ~ Provisional ~54:VALVE UNIT ~71:Evolution Valves (Pty) Ltd., 47 Regency Drive, South Africa ~72: DAVIS, John Mark~

2024/01356 ~ Complete ~54:APPARATUS AND PROCESS FOR ABSORPTION CHILLER UTILIZATION FOR ENVIRONMENTALLY FRIENDLY HYDROGEN PRODUCTION ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106-5500, United States of America ~72: FEI CHEN;FRANK J DOBEK;GOWRI KRISHNAMURTHY;GRAEME RICHARD WILSON;MICHAEL T MORGENSTERN~ 33:US ~31:18/111,932 ~32:21/02/2023

2024/01367 ~ Complete ~54:OPTIMISED SPHERICAL VECTOR QUANTISATION ~71:Orange, 111, quai du Président Roosevelt, ISSY-LES-MOULINEAUX 92130, FRANCE, France ~72: RAGOT, Stéphane;YAOUMI, Mohamed~ 33:EP ~31:21305987.6 ~32:15/07/2021

2024/01355 ~ Complete ~54:PROCESS TO MAKE CALCIUM OXIDE OR ORDINARY PORTLAND CEMENT FROM CALCIUM BEARING ROCKS AND MINERALS ~71:BRIMSTONE ENERGY INC., 557 59th St. , Oakland, California, 94609, United States of America;CALIFORNIA INSTITUTE OF TECHNOLOGY, 1200 E. California Blvd., M/C 6-32, Pasadena, California, 91125, United States of America ~72: CODY E FINKE;HUGO F LEANDRI~ 33:US ~31:62/886,137 ~32:13/08/2019;33:US ~31:62/913,620 ~32:10/10/2019;33:US ~31:62/932,200 ~32:07/11/2019;33:US ~31:63/019,916 ~32:04/05/2020

2024/01365 ~ Complete ~54:BLACKLEG RESISTANT PLANTS AND METHODS FOR THE IDENTIFICATION OF BLACKLEG RESISTANT PLANTS ~71:BASF AGRICULTURAL SOLUTIONS SEED US LLC, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America ~72: ENGELEN, Steven;VAN THOURNOUT, Michel~ 33:EP ~31:21187390.6 ~32:23/07/2021

2024/01371 ~ Complete ~54:HEATER ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: KORUS, Anton~ 33:GB ~31:2112364.1 ~32:31/08/2021

2024/01373 ~ Complete ~54:IMPLANT AUGMENTATION SYSTEMS AND METHODS OF USE ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: BERTOLOTTI, Luciano Bernardino;DEORIO, James Keith;KOWALCZYK, Gregory J.~ 33:US ~31:63/223,640 ~32:20/07/2021;33:US ~31:63/263,615 ~32:05/11/2021

2024/01375 ~ Complete ~54:ANNULATED PYRIDAZINE COMPOUND ~71:NICO THERAPEUTICS, INC., c/o ARCH Venture Partners, 8755 W. Higgins Rd., Suite 1025, Chicago, Illinois, 60631, United States of America ~72: AKIHIKO NAKAMURA;HIROKI TOYA;HIROSHI TOMIYAMA;IKUMI KURIWAKI;JUNKO MAEDA;KAZUYUKI KURAMOTO;KENGO SABA;SUSUMU YAMAKI;TAKANORI KOIKE;TAKASHI KAMIKUBO;TAKUYA WASHIO;YOSHINORI IWAI;YUKA KOIZUMI;YUMI YAMASHITA;YUSUKE INAGAKI~ 33:JP ~31:2021-120560 ~32:21/07/2021

2024/01380 ~ Complete ~54:SERVO-CONTROLLED MACHINE LINE ~71:BELVAC PRODUCTION MACHINERY, INC., 237 Graves Mill Road, Lynchburg, Virginia, 24502-4203, United States of America ~72: DENNIS E GREEN;JEFFREY L SHORTRIDGE;LARRY D MCKINNEY;RIC KEESEE;STEPHEN M PACKER~ 33:US ~31:63/222,178 ~32:15/07/2021

2024/01357 ~ Complete ~54:ASSEMBLY AND METHOD FOR THE MANAGEMENT OF AN AGRICULTURAL AREA ~71:AI.LAND GMBH, Siebenhäuser 7, Germany ~72: Josef FRANKO~ 33:DE ~31:10 2021 120 341.4 ~32:04/08/2021

2024/01358 ~ Complete ~54:HIGH STRENGTH HIGH SLENDERNESS PART HAVING EXCELLENT ENERGY ABSORPTION ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Alice DUMONT;Arnaud COCU~ 33:IB ~31:PCT/IB2021/058364 ~32:14/09/2021

2024/01361 ~ Complete ~54:TRPC6 INHIBITORY COMPOUNDS FOR TREATING SEPSIS ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Global Patents, Binger Strasse 173, Germany ~72: BOUYSSOU, Thierry;NICKLIN, Paul~ 33:EP ~31:21202812.0 ~32:15/10/2021

2024/01368 ~ Complete ~54:MULTIVALENT LIGAND CLUSTERS WITH DIAMINE SCAFFOLD FOR TARGETED DELIVERY OF THERAPEUTIC AGENTS ~71:Shanghai Argo Biopharmaceutical Co., Ltd., 337 Shahe Road, J2026, Room 1_203, Jiangqiao Town, Jiading District, SHANGHAI 201803, CHINA (P.R.C.), People's Republic of China ~72: SHAO, Pengcheng Patrick;SHU, Dongxu~ 33:IB ~31:2021/119733 ~32:23/09/2021

2024/01378 ~ Complete ~54:AN ALKALINE HARD SURFACE CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: MANOJ VILAS DAGAONKAR;SOMNATH GHOSH~ 33:IN ~31:202121041424 ~32:14/09/2021;33:EP ~31:21203003.5 ~32:15/10/2021

2024/01370 ~ Complete ~54:MULTIPLE PRODUCT PATHWAY FROM RENEWABLE OILS TO PETROLEUM ALTERNATIVES AND LUBRICANTS COMPRISING SAME ~71:Evolve Lubricants, Inc., 3985 Warren Way, RENO 89509 , NV, USA, United States of America ~72: ANDERSON, Erik;DOYLE, Michael;KIRKHAM Jr., Thomas L.;LEE, Richard D.~ 33:US ~31:63/224,245 ~32:21/07/2021;33:US ~31:63/232,566 ~32:12/08/2021

2024/01374 ~ Complete ~54:BIOLOGICALLY PRODUCED NUCLEIC ACID FOR VACCINE PRODUCTION ~71:UNIVERSITÄT BASEL, Vizerektorat Forschung Petersgraben 35, 4001, BAS, Switzerland ~72: CHRISTIAN MITTELHOLZER;ENJA TATJANA KIPFER;FABIAN OTTE;THOMAS KLIMKAIT~ 33:EP ~31:21195643.8 ~32:09/09/2021;33:EP ~31:22179777.2 ~32:19/06/2022

2024/01379 ~ Complete ~54:SELECTIVE AEROBIC OXIDATION OF METHANE ~71:UNIVERSITY OF CAPE TOWN, Bremner Building, Lovers Walk, Rondebosch, Cape Town, 7700, South Africa ~72: ERIC WILHELMUS JOSEPHUS VAN STEEN;JUNFENG GUO;MALEFANE GERARD LETEBA;NASSEELA HYTOOLAKHAN LAL MAHOMED;SINQOBILE VUYISILE LUSANDA MAHLABE~ 33:GB ~31:2115453.9 ~32:27/10/2021

. - APPLIED ON 2024/02/15 -

2024/01386 ~ Provisional ~54:ENHANCED PLANT PROTECTION FORMULATION ~71:BOTHA, MARTIN, 18 Milkwood Crescent, Serengeti Golf and Wildlife Estate, South Africa ~72: BOTHA, MARTIN~

2024/01388 ~ Provisional ~54:AUTOMATED DRILL RIG ~71:DRILLX INNOVATIONS (PTY) LTD, Blockhouse, 19 Hazelwood Road, Hazelwood, Pretoria, 0081, South Africa ~72: CLOETE CORNELIUS WILLEM VAN HEERDEN;IGNATIUS ABRAHAM STORM;JACOBUS IGNATIUS JONKER;JOHANN DIEDERIK COETZEE;JURGEN JACOBUS VAN WYK;NELSON VIEIRA MARTINS~

2024/01391 ~ Complete ~54:DEVICES AND METHODS FOR PREPARING AND ADMINISTERING A NUTRITIONAL FORMULA ~71:ALCRESTA THERAPEUTICS, INC., One Newton Executive Park, Suite 100, Newton, Massachusetts, 02462, United States of America ~72: ALBERT ARCHIE STONE;DAVID WIDOM;ERIC FIRST;MICHEL CHRISTIAN ALEXANDER VAN VLIET;WILLEM ROBERT KLASS SCHOEVAART~ 33:US ~31:62/555,876 ~32:08/09/2017;33:US ~31:16/123,629 ~32:06/09/2018

2024/01387 ~ Provisional ~54:A METHOD AND SYSTEM FOR PROVIDING A USER WITH A REWARD ~71:K2023272534 (SOUTH AFRICA) T/A MEGAWIN, 26 Swartberg Crescent, Blue Mountain Village, South Africa ~72: FOUCHÉ, Johannes Delarey~

2024/01395 ~ Complete ~54:WASTE-FREE PROCESSING FOR LIGNIN MODIFICATION OF FIBROUS PLANT MATERIALS, AND LIGNIN-MODIFIED FIBROUS PLANT MATERIALS ~71:UNIVERSITY OF MARYLAND, COLLEGE PARK, UM Ventures, 0134 Lee Building, 7809 Regents Drive, United States of America ~72: HU, Liangbing;LIU, Yu~ 33:US ~31:63/237,625 ~32:27/08/2021

2024/01403 ~ Complete ~54:STRETCH-BLOW-MOLDED PLASTIC CONTAINER AND METHOD FOR PRODUCING SAME ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO KG, Allmendstrasse 81, 6971, Hard, Austria ~72: ADEM DEMIR;CHRISTIAN ZMÖLNIG;DANILO GRIECO~ 33:CH ~31:CH070211/2021 ~32:27/08/2021

2024/01404 ~ Complete ~54:TREATMENT OF CLUSTER HEADACHE USING ANTI-CGRP ANTIBODIES ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500 Valby, Denmark ~72: BJORN SPERLING;FRANK LARSEN;IB VESTERGAARD KLEWE~ 33:US ~31:63/237,639 ~32:27/08/2021

2024/01406 ~ Complete ~54:CHARACTERIZATION OF POTENT AND BROADLY NEUTRALIZING MONOCLONAL ANTIBODIES AGAINST SARS-COV-2, ITS VARIANTS, AND RELATED CORONAVIRUSES AND METHODS OF USE ~71:THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 412 Low Memorial Library 535 West 116th Street, New York, New York, 10027, United States of America ~72: DAVID D HO;JIAN YU;LIHONG LIU;MANOJ S NAIR;SHO IKETANI;YAOXING HUANG~ 33:US ~31:63/225,193 ~32:23/07/2021;33:US ~31:63/271,627 ~32:25/10/2021;33:US ~31:63/334,007 ~32:22/04/2022

2024/01389 ~ Complete ~54:MOLECULAR DIAGNOSTIC ASSAY SYSTEM ~71:CEPHEID, 904 Caribbean Drive, Sunnyvale, California, 94089, United States of America ~72: DAVID FROMM;DOUG DORITY;DUSTIN DICKENS;MATTHEW PICCINI;RICK CASLER;STUART MORITA;TIEN PHAN~ 33:US ~31:62/196,845 ~32:24/07/2015

2024/01392 ~ Complete ~54:TGF-BETA-RII BINDING PROTEINS ~71:MERUS N.V., Yalelaan 62, Netherlands ~72: DE KRUIF, Cornelis Adriaan;KLOOSTER, Rinse;THROSBY, Mark~ 33:NL ~31:2024576 ~32:24/12/2019

2024/01394 ~ Complete ~54:TREATMENT OF HAIR LOSS DISORDERS WITH DEUTERATED JAK INHIBITORS ~71:SUN PHARMACEUTICAL INDUSTRIES, INC., 2 Independence Way, United States of America ~72: BRUMMEL, Christopher L.;CASSELLA, James V.~ 33:US ~31:63/232,107 ~32:11/08/2021

2024/01397 ~ Complete ~54:METHOD AND SYSTEM FOR LIGHT OLEFIN GENERATION WITH HIGH YIELDS AND SELECTIVITY ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying;KUECHLER, Keith H.;MADUSKAR, Saurabh S.~ 33:US ~31:63/329,006 ~32:08/04/2022

2024/01401 ~ Complete ~54:PRESSURE LEVER LOCK ~71:ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD, 46 Eden Park Drive, Mkondeni, South Africa ~72: DREYER, Marius;HALSTEAD, Trevor;VOSS, Michael~ 33:ZA ~31:2021/05415 ~32:30/07/2021;33:US ~31:17/703,306 ~32:24/03/2022

2024/01407 ~ Complete ~54:A STABLE LIQUID DISINFECTING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ARIJIT BERA;SHANTHI APPAVOO;SUMA MENON~ 33:EP ~31:21202489.7 ~32:13/10/2021

2024/01409 ~ Complete ~54:HYDROGEN PERMEABLE MEMBRANE INCLUDING PDCU ALLOY AND METHOD FOR PURIFYING HYDROGEN WITH HYDROGEN PERMEABLE MEMBRANE ~71:TANAKA KIKINZOKU KOGYO K.K., 7-3, Marunouchi 2-chome Chiyoda-ku, Tokyo, 1006422, Japan ~72: DAISUKE HORIKAWA;MASATO EBISUGI;SHUICHI KUBOTA;TORU MATSUMURA~ 33:JP ~31:2021-147050 ~32:09/09/2021

2024/01411 ~ Complete ~54:DATA ANALYTICS IN SUPPLY CHAIN ~71:SMILE AUTOMATION PVT. LTD., Survey No 167/A2, Plot No 7, Office No 401, 4th Floor Street Above PNG, Happy Colony, Kothrud, Pune, Maharashtra, 411038, India ~72: KULKARNI, Sanjeev;POULOSE, Liju~ 33:IN ~31:202121032157 ~32:16/07/2021

2024/01412 ~ Complete ~54:WEAR ELEMENT ASSEMBLIES FOR EARTH MOVING MACHINES WITH WIRED CONNECTION AND PROTECTIVE DEVICE THEREFOR ~71:METALOGENIA RESEARCH & TECHNOLOGIES, S.L., C/ Avila No. 45, 08005, Barcelona, Spain ~72: FERRÁNDIZ BORRAS, Vicent;GIMENO TORDERA, Albert;VALLVÉ BERTRAN, Nil~ 33:EP ~31:21382720.7 ~32:30/07/2021

2024/01517 ~ Provisional ~54:MOSTOFMYTHINGS - A LEGACY TRACKING TOOL FOR ESTATES E.G. NEXT OF KIN, DEBTS, POLICIES E.T.C. ~71:Gilbert Musengi, 221 End Street, South Africa ~72: Gilbert Musengi~

2024/01390 ~ Complete ~54:DEVICES AND METHODS FOR THE PREPARATION OF A NUTRITIONAL FORMULA ~71:ALCRESTA THERAPEUTICS, INC., One Newton Executive Park, Suite 100, Newton, Massachusetts, 02462, United States of America ~72: ALBERT ARCHIE STONE;DAVID BROWN;ERIC FIRST~ 33:US ~31:62/556,700 ~32:11/09/2017;33:US ~31:62/643,394 ~32:15/03/2018;33:US ~31:16/123,712 ~32:06/09/2018

2024/01393 ~ Complete ~54:MARINE CLEANING ~71:CLEANSUBSEA OPERATIONS PTY LTD, Unit 1, 226 Barrington Street, Bibra Lake, Australia ~72: PYTTE, Aaron;VAN DER ROEST, Dirk~ 33:AU ~31:2021221633 ~32:25/08/2021

2024/01398 ~ Complete ~54:SOLID FORMS OF 2-[(4-{6-[(4-CYANO-2-FLUOROBENZYL)OXY]PYRIDIN-2-YL}PIPERIDIN-1-YL)METHYL]-1-[(2S)-OXETAN-2-YLMETHYL]-1H-BENZIMIDAZOLE-6-CARBOXYLIC ACID,

1,3-DIHYDROXY-2-(HYDROXYMETHYL)PROPAN-2-AMINE SALT ~71:Pfizer Inc., 66 Hudson Boulevard East, NEW YORK 10001-2192, NY, USA, United States of America ~72: BAGLEY, Scott W.;CLARK, Wesley Dewitt;GRIFFITH, David Andrew;JIAO, Wenhua;SAMAS, Brian Matthew;TAYLOR, Lisa Jane~ 33:US ~31:63/239,056 ~32:31/08/2021

2024/01402 ~ Complete ~54:TRAY, STACK OF TRAYS AND METHOD FOR LOADING/UNLOADING TRAYS ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO KG, Allmendstrasse 81, 6971, Hard, Austria ~72: JÜRGEN RIEDMANN~ 33:CH ~31:070117/2021 ~32:29/07/2021

2024/01396 ~ Complete ~54:IMAGE PROCESSING DEVICE AND METHOD ~71:Sony Group Corporation, 1-7-1, Konan, Minato-ku, TOKYO 1080075, JAPAN, Japan ~72: TSUKUBA, Takeshi~ 33:US ~31:63/249,082 ~32:28/09/2021

2024/01399 ~ Complete ~54:SYSTEMS AND METHODS FOR SEPSIS DETECTION AND MANAGEMENT IN PATIENTS ~71:Deepull Diagnostics S.L., Baldiri Reixac, 4-8, BARCELONA 08028, BARCELONA, SPAIN, Spain ~72: BRU GIBERT, Rafael;CARRERA FABRA, Jordi;IVEY, Richard Max~ 33:US ~31:63/230,436 ~32:06/08/2021

2024/01400 ~ Complete ~54:PYRROLO[2,3-B]PYRIDINE PGDH INHIBITORS AND METHODS OF MAKING AND USING ~71:Epirium Bio Inc., 12670 High Bluff Drive, SAN DIEGO 92130, CA, USA, United States of America ~72: DUGAR, Sundeep;FAHR, Bruce;GREEN, Michael J.;RAI, Roopa~ 33:US ~31:63/226,670 ~32:28/07/2021

2024/01405 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ANTI-PACAP ANTIBODIES ~71:CEPHALON LLC, 145 Brandywine Parkway, West Chester, Pennsylvania, 19380, United States of America ~72: ADAM CLARKE;ANTHONY GERARD DOYLE;DANYAL BUTT;DAVID LAINE;HUGH MACRAE;JENNY VO;JULIA ROZENFELD;SACHIN SURADE~ 33:US ~31:63/226,875 ~32:29/07/2021

2024/01408 ~ Complete ~54:SYNOVIAL EXTRACELLULAR MATRIX-SPECIFIC CHIMERIC ANTIGEN RECEPTOR FOR TARGETING REGULATORY T CELLS TO TREAT AUTOIMMUNE DISEASES ~71:CURARA AB, Vanadisvägen 22B S-113 46, Stockholm, Sweden;SONOMA BIOTHERAPEUTICS, INC., 201 Haskins Way, Suite 203, South San Francisco, California, 94080, United States of America ~72: ANNE-RENEE VAN DER VUURST DE VRIES;JAMES MATTHAEI;JOSHUA BEILKE;KATHRYN HOOPER;LARS KLARESKOG;REBECCA JOHNSON;VIVIANNE MALMSTRÖM~ 33:US ~31:63/227,320 ~32:29/07/2021;33:US ~31:63/339,361 ~32:06/05/2022

2024/01410 ~ Complete ~54:A METHOD OF MANUFACTURING A COMPOSITE STRUCTURE, A COMPOSITE STRUCTURE THEREOF, A WIND TURBINE WITH THE COMPOSITE STRUCTURE AND A MANUFACTURING SYSTEM THEREOF ~71:ENVISION ENERGY CO., LTD, No.3 Shenzhuang Road, Shengang Street, Jiangyin Wuxi, Jiangsu, 214443, People's Republic of China ~72: GIROLOMINI GIANCARLO;GLUD JENS;OVERGAARD LARS;SILONG SONG;VASANTHA MANJURAJ~ 33:DK ~31:PA 2021 70383 ~32:16/07/2021

2024/01385 ~ Provisional ~54:LUGGAGE SYSTEM AND LUGGAGE SEPARATOR ~71:FAYARD, Filia, 1 Kitale Close, Sunninghill Ext 2, South Africa ~72: FAYARD, Filia;FAYARD, Tristan Nicholas~

. - APPLIED ON 2024/02/16 -

2024/01419 ~ Provisional ~54:THE GENERAL AND SPECIAL CASE OF ORGANIC QUANTUM ELECTRODYNAMIC PHOTODISSOCIATION (OQEPD) AND STIMULATED LIGHT ORGANIC PHOTODISSOCIATION ENERGY (SLOPE) ~71:DEFRIES, Anthony, 2 Northcliff Manor, 12 Waugh Avenue, Northcliff, South Africa ~72: DEFRIES, Anthony~

2024/01439 ~ Provisional ~54:CUSTOMIZED SPONGES FOR USE WITH THE AUTOMOTIVE CLEANING TOOL ~71:ROBERT MOORE BRUWER, P.O. BOX 23004, GEZINA, South Africa ~72: ROBERT MOORE BRUWER~

2024/01414 ~ Provisional ~54:AVI - AUTHENTICITY VERIFYING INSTRUMENT ~71:NTEMBEKO HOSIA VIKA, 53 STEYN RD, PRESIDENT PARK, South Africa ~72: NTEMBEKO HOSIA VIKA~

2024/01415 ~ Provisional ~54:MOBILE ROOF BOLTER ~71:HYDRO POWER EQUIPMENT (PTY) LTD, 19 Precision St, Kya Sand, Randburg, South Africa ~72: BÜHRMANN, Rudolph;CRONJE, Johan Marthinus~

2024/01423 ~ Complete ~54:STEREOSELECTIVE PREPARATION OF TRANS HALO CYCLOBUTANE ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ARUNACHALAMPILLAI, Athimoolam;ORTIZ, Adrian~ 33:US ~31:63/234,935 ~32:19/08/2021

2024/01424 ~ Complete ~54:PALLADIUM FREE PROCESSES FOR PREPARATION OF ACRYLATE COMPOUNDS ~71:Amgen Inc., ONE AMGEN CENTER DRIVE, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: DOERFLER, Jaika;ORTIZ, Adrian;VAIDA, Karina R.~ 33:US ~31:63/234,927 ~32:19/08/2021

2024/01427 ~ Complete ~54:SYSTEM AND METHOD FOR PERFORMING DISTRACTION OSTEOGENESIS ~71:NELSON MANDELA UNIVERSITY, Room 1207, 12th Floor, Main Building, Nelson Mandela University, Summerstrand Campus (South), University Way, South Africa ~72: ABOU-EL-HOSSEIN, Khaled;HATEFI, Shahrokh;SMITH, Farouk~ 33:ZA ~31:2021/05003 ~32:16/07/2021

2024/01431 ~ Complete ~54:METHODS OF T CELL PRODUCTION ~71:ADAPTIMMUNE LIMITED, 60 Jubilee Avenue, Milton Park, Abingdon, Oxfordshire, OX14 4RX, United Kingdom ~72: CHENG-TAO YANG~ 33:GB ~31:2111169.5 ~32:03/08/2021

2024/01440 ~ Provisional ~54:HERDHOUND GPS TAG ~71:Martin Hadland, Sterkwater Farm, R577, South Africa ~72: Martin Hadland~

2024/01417 ~ Provisional ~54:POLE CAP TO GUIDE SINGLE OR MULTIPLE WIRES/ROPES/CORDS/STRING CROSSING OVER THE POLE AND EACHOTHER. ~71:DRAWCO, Unit 377, 26 Graaff avenue,, South Africa ~72: DRAWCO~

2024/01420 ~ Complete ~54:METHODS FOR DETECTING AAV ~71:GENZYME CORPORATION, 500 Kendall Street, United States of America ~72: JIN, Xiaoying;LIU, Lin;O'RIORDAN, Catherine, R.;ZHANG, Kate~ 33:US ~31:62/375,314 ~32:15/08/2016

2024/01421 ~ Complete ~54:GERMINATION DEVICE ~71:MAIR, Ashley Dean, 83 Versveld, South Africa ~72: MAIR, Ashley Dean~ 33:ZA ~31:2021/02556 ~32:19/04/2021

2024/01422 ~ Complete ~54:SYSTEM AND METHOD TO PERFORM DISSIMILAR OPERATIONS IN A SINGLE MACHINE ~71:Scofast LLC, 1400 E. Washington Street, SEQUIM 98382 , WA, USA, United States of America ~72: FEIED, Craig F.;GREIMES, Christopher G.~ 33:US ~31:63/224,773 ~32:22/07/2021

2024/01425 ~ Complete ~54:COMPOSITION OF ALUMINIUM OXIDE AND CERIUM OXIDE ~71:Rhodia Operations, 9 rue des Cuirassiers, Immeuble Silex 2 Solvay, LYON 69003, FRANCE, France ~72: HARLE, Virginie;HERNANDEZ, Julien;IFRAH, Simon;YAGLIDERE, Oguzhan~ 33:EP ~31:21315134.3 ~32:30/07/2021

2024/01426 ~ Complete ~54:BENZO[*b*]SELENOPHENE STING REGULATING AGENT, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:China Pharmaceutical University, No.24 Tongjia

Road, Gulou District, NANJING 210009, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: BIAN, Jinlei;FENG, Xi;LI, Zhiyu;LIU, Dongyu;QIAN, Zhiyu;WANG, Zhe~ 33:CN ~31:202110850842.6 ~32:27/07/2021

2024/01432 ~ Complete ~54:DEVICE AND METHOD FOR REMOVING E2 INTERFACE-RELATED INFORMATION IN RADIO ACCESS NETWORK ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: JIWOONG JEONG;YOUNGSUNG KHO~ 33:KR ~31:10-2021-0102248 ~32:03/08/2021

2024/01434 ~ Complete ~54:DYNAMIC LOADING FOR A SWITCHING POWER SUPPLY ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: CHEE KIONG FONG;GEOFFREY JASON SHEW;MICHAEL R VOLKMAN;SUET FONG TIN~ 33:US ~31:17/490,846 ~32:30/09/2021

2024/01435 ~ Complete ~54:MULTI-ZONE FUEL ELEMENT ~71:LIGHTBRIDGE CORPORATION, 11710 Plaza America Drive, Suite 2000 Reston, Virginia 20190, United States of America ~72: AARON TOTEMEIER~ 33:US ~31:63/238,148 ~32:28/08/2021

2024/01437 ~ Complete ~54:HEAT EXCHANGE CONFIGURATIONS FOR OLIGOMERIZATION OF OLEFINS ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, 10001 Six Pines Drive, The Woodlands, Texas, 77380, United States of America ~72: BRUCE E KREISCHER~ 33:US ~31:63/224,665 ~32:22/07/2021

2024/01416 ~ Provisional ~54:THREE-DIMENSIONAL ADVERTISING SYSTEM AND METHOD FOR VEHICLES ~71:CORREIA, Isabel Maria, 10 Eagle Creek, Leith Road, South Africa ~72: CORREIA, Isabel Maria~

2024/01429 ~ Complete ~54:PROCESS FOR RECYCLING LITHIUM ION BATTERY MATERIALS ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: BIRGIT GERKE;DIETER G VON DEAK;WOLFGANG ROHDE~ 33:EP ~31:21187550.5 ~32:23/07/2021

2024/01555 ~ Provisional ~54:V.F.T. PRODUCTS ~71:Myra Basson, 28 Wilde road, South Africa ~72: Myra Basson~

2024/01438 ~ Complete ~54:REAGENT COMPOSITIONS, METHODS, CARTRIDGES, AND SYSTEMS ~71:ILLUMINA, INC., 5200 Illumina Way, San Diego, California, 92122, United States of America ~72: JESSICA WALSH;SIMON BAKER;SÉBASTIEN RICOULT;YIN NAH TEO~ 33:US ~31:63/245,467 ~32:17/09/2021

2024/01413 ~ Provisional ~54:BATTERY LOCKING SYSTEM WITH ACTIVE ALARMING ~71:A.Millard, 12 Honeyguide Crescent, South Africa ~72: Charl van Niekerk~

2024/01430 ~ Complete ~54:AN ELECTROLYZER ELECTROCATALYST COMPRISING COBALT (CO) OXIDE, ZIRCONIUM (ZR) AND A NOBLE METAL, AN ELECTRODE COMPRISING THE ELECTROCATALYST AND THE USE OF THE ELECTROCATALYST IN AN ELECTROLYSIS PROCESS ~71:MAGNETO SPECIAL ANODES B.V., Calandstraat 109, 3125 BA, Schiedam, Netherlands ~72: JOHANNES GODFRIED VOS~ 33:US ~31:63/243,353 ~32:13/09/2021;33:US ~31:63/353,060 ~32:17/06/2022

2024/01428 ~ Complete ~54:ELECTRONIC DEVICE COMPRISING ANTENNA ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: KYUNGIL SEO;KYUNGJAE LEE;SEUNGHWAN KIM;SHINHO YOON;SOONHO HWANG~ 33:KR ~31:10-2021-0105677 ~32:10/08/2021;33:KR ~31:10-2021-0180895 ~32:16/12/2021

2024/01433 ~ Complete ~54:PROCESS FOR REMOVING SELENIUM FROM WASTEWATER USING BIOLOGICAL REDUCTION AND SURFACE COMPLEXATION ~71:VEOLIA WATER SOLUTIONS &

TECHNOLOGIES SUPPORT, Immeuble L'Aquarene, 1 place Montgolfier, 94417, Saint-Maurice, France ~72: MARC LALIBERTÉ;MYRIAM DE LADURANTAYE-NOËL~ 33:US ~31:63/227,366 ~32:30/07/2021

2024/01436 ~ Complete ~54:SYSTEMS AND METHODS FOR WET AIR OXIDATION REGENERATION OF CATALYSTS ~71:JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, 25 Farringdon Street 5th Floor, London, EC4A 4AB, United Kingdom;VIRENT, INC., 3571 Anderson Street, Madison, Wisconsin, 53704, United States of America ~72: CHRIS HOLLAND;CHRISTOPHER FERGUSON;COLIN ANSON;EDGAR STEENWINKEL;IAN CAMPBELL;MATT VAN STRATEN;PAUL G BLOMMEL;RAUF EDWARD JOHN GEARING;ROBERT ANTHONY WILD~ 33:US ~31:63/235,037 ~32:19/08/2021

2024/01418 ~ Provisional ~54:MODULAR RRU DB ~71:A.Millard, 12 Honeyguide Cresent, South Africa ~72: Charl van Niekerk~

. - APPLIED ON 2024/02/19 -

2024/01486 ~ Provisional ~54:BACKCHAT GUI: MULTI-PLATFORM DESKTOP AND WEB-BASED GUI FOR REAL-TIME LANGUAGE TRANSLATION, SUMMARIZATION, AND LLM RESPONSE AGGREGATION ~71:Serendra Reddy, 39 Durnford Avenue, South Africa ~72: Serendra Reddy~

2024/01449 ~ Complete ~54:A METHOD, DEVICE FOR MODELING BONE REPAIR BASED ON GPT TECHNOLOGY ~71:Chen Jiayuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Ju Tai, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Li Yiran, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Sun Wei, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Xuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Yizhi, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Jiayuan;Ju Tai;Li Yiran;Sun Wei;Zhang Xuan;Zhang Yizhi~

2024/01453 ~ Complete ~54:PORTABLE GEOGRAPHIC INFORMATION SURVEYING INSTRUMENT ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: CHEN, Lianjun;GAO, Songfeng;MA, Zhanlin;WANG, Jing;YANG, Feng~

2024/01460 ~ Complete ~54:REPAIRING STRUCTURE FOR PATCHING HOLLOW IN OLD TREE ~71:SICHUAN ACADEMY OF FORESTRY, 18 Xinghui West Road, Jinniu District, Chengdu city, People's Republic of China ~72: Bin BAI;Chongwen ZHENG;Ningzi WU;Pijun LI;Zeliang WANG~

2024/01463 ~ Complete ~54:DIGITAL PIRACY PREVENTION SYSTEM USING BLOCKCHAIN ~71:Dr. C.K. Jha, Professor & Head, Department of Computer Science, Banasthali Vidyapith, Rajasthan, 304022, India;Dr. Khandakar F. Rahman, Assistant Professor, Department of Computer Science, Banasthali Vidyapith, Rajasthan, 304022, India;Dr. Shivani Bali, Professor & Area Chair, Business Analytics, Jaipuria Institute of Management, Noida, India;Mr. Tejaswi Khanna, Assistant Professor Department of Computer Science & Engineering, IMS Engineering College, Ghaziabad, India;Prof. Mohit Mittal, Assistant Professor Department of Computer Science & Engineering IMS Engineering College, Ghaziabad & Research Scholar Department of Computer Science, Banasthali Vidyapith, Rajasthan, 304022, India;Prof.(Dr.) Vikram Bali, Director, IMS Engineering College, Ghaziabad, India ~72: Dr. C.K. Jha;Dr. Khandakar F. Rahman;Dr. Shivani Bali;Mr. Tejaswi Khanna;Prof. Mohit Mittal;Prof.(Dr.) Vikram Bali~ 33:IN ~31:202311087029 ~32:19/12/2023

2024/01485 ~ Provisional ~54:PROOF OF ADDRESS SERVICES AS JOB APPLICATION (Z83) VIA APP ~71:GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANSDRIFT, BUTHI, South Africa ~72: GEORGE MAKHAYA MASOMBUKA ~

2024/01447 ~ Complete ~54:AN AIGC-BASED MULTI-SCENE CONTENT CREATION AND APPLICATION SYSTEM FOR MUSEUMS ~71:Chen Jiayuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Ju Tai, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Sun Wei, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Xuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Yizhi, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Jiayuan;Ju Tai;Sun Wei;Zhang Xuan;Zhang Yizhi~

2024/01445 ~ Provisional ~54:WHEEL CENTRE CAP CLIP ~71:Morne Spies, 945 Kromdraai ave Faerieglen, South Africa ~72: Morne Spies~

2024/01446 ~ Complete ~54:A CUSTOMISABLE IDENTITY BASED LLM MODEL FOR A MUSEUM QUIZZING ROBOT DEVICE ~71:Chen Jiayuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Ju Tai, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Sun Wei, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Xuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Jiayuan;Ju Tai;Sun Wei;Zhang Xuan~

2024/01448 ~ Complete ~54:AN IMAGE RECOGNITION SYSTEM AND DEVICE FOR CULTURAL CENTER BASED ON AIGC ~71:Chen Jiayuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Ju Tai, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Li Yiran, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Sun Wei, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China;Zhang Xuan, No.3 Wenyuan Road, Xianlin University Town, Qixia District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Chen Jiayuan;Ju Tai;Li Yiran;Sun Wei;Zhang Xuan~

2024/01452 ~ Complete ~54:A SMART TRANSFEROSOMAL SYNTHESIS APPARATUS ~71:Dr. Nidhi Dubey, Associate Professor, School of Pharmacy, Devi Ahilya Vishwavidyalaya, MP-452012, Indore, India;Dr. Nitin Dubey, Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India;Dr. Upendra Bhadoriya, Associate Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Aditya Rade, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Aditya Raj Singh, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Ankit Jain, Associate Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Bhushan Attarde, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Shivanshu Singh, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Aditi Rattewal, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Anushree Piplonia, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Archana Patel, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Pallavi Chaudhari, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India ~72: Dr. Nidhi Dubey;Dr. Nitin Dubey;Dr. Upendra Bhadoriya;Mr. Aditya Rade;Mr. Aditya Raj Singh;Mr. Ankit Jain;Mr. Bhushan Attarde;Mr. Shivanshu Singh;Ms. Aditi Rattewal;Ms. Anushree Piplonia;Ms. Archana Patel;Ms. Pallavi Chaudhari~ 33:IN ~31:202321082163 ~32:02/12/2023

2024/01457 ~ Complete ~54:EFFICIENT WASTEWATER PURIFICATION TREATMENT SYSTEM ~71:China Northeast Municipal Engineering Design and Research Institute Co., Ltd., 618 Gongnong Road, Changchun City, Jilin, 130021, People's Republic of China ~72: DONG, Yanhong;LIU, Xueyong;SUN, Yang;YAN, Yu;YU, Shuang;ZHANG, Yong~

2024/01474 ~ Complete ~54:IRNA COMPOSITIONS AND METHODS FOR SILENCING ANGIOTENSINOGEN (AGT) ~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;JOSEPH BARRY;MARK K SCHLEGEL;PAUL NIOI~ 33:US ~31:63/229,085 ~32:04/08/2021;33:US ~31:63/272,769 ~32:28/10/2021

2024/01475 ~ Complete ~54:A DOOR ARRANGEMENT ~71:ROYAL BOON EDAM INTERNATIONAL B.V., Ambachtstraat 4, 1135 GG, Edam, Netherlands ~72: CHRIS WEEL;MARK DE JONG~ 33:NL ~31:2028911 ~32:03/08/2021

2024/01481 ~ Complete ~54:GENERATING SHARED KEYS ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: PETTIT, Michaella~ 33:GB ~31:2115391.1 ~32:26/10/2021

2024/01442 ~ Provisional ~54:RAPID DEPOSIT: A PROCESS AND METHOD OF MAKING ATM CASH DEPOSIT FASTER ~71:Tshimangadzo Tshikomba, 95 Rahima Moosa, South Africa ~72: Tshimangadzo Tshikomba~

2024/01443 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING OR PREVENTING DISEASE ~71:VIRO-GEN PTY LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE x2, South Africa ~72: SMIT, MICHELLE OLGA PATRICIA GIESTEIRA DA SILVA~

2024/01450 ~ Complete ~54:SMART BUCCAL FILM GENERATING APPARATUS ~71:Dr. Nidhi Dubey, Associate Professor, School of Pharmacy, Devi Ahilya Vishwavidyalaya, Indore, MADHYA PRADESH, 452012, India;Dr. Nitin Dubey, Professor, IPS Academy College of Pharmacy, Indore, MADHYA PRADESH, 452012, India;Dr. Upendra Bhadoriya, Associate Professor, IPS Academy College of Pharmacy, Indore, MADHYA PRADESH, 452012, India;Mr. Aman Agrawal, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Ankit Jain, Associate Professor, IPS Academy College of Pharmacy, Indore, MADHYA PRADESH, 452012, India;Mr. Ghanshyam Patel, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Srajal Saxena, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Tushar Singh, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Nidhi Kumari Singh, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Priyanka Mihaulia, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India;Ms. Surbhi Rai, Postgraduate Scholar, IPS Academy College of Pharmacy, MP-452012, Indore, India ~72: Dr. Nidhi Dubey;Dr. Nitin Dubey;Dr. Upendra Bhadoriya;Mr. Aman Agrawal;Mr. Ankit Jain;Mr. Ghanshyam Patel;Mr. Srajal Saxena;Mr. Tushar Singh;Ms. Nidhi Kumari Singh;Ms. Priyanka Mihaulia;Ms. Surbhi Rai~ 33:IN ~31:202321068489 ~32:11/10/2023

2024/01454 ~ Complete ~54:DEVICE AND METHOD FOR MAINTAINING RAIL SURFACE ~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;Dongnan Coastal Railway Fujian Co., Ltd., No.73 Qinyuan Road, Jin 'an District, Fuzhou City, Fujian Province, 350013, 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 Institude Co.,Ltd., No.204 Huanshi West Road, Yuexiu District, Guangzhou City, Guangdong Province, 510010, People's

Republic of China ~72: CAI Fuhai;CHEN Guoshun;DUAN Tingfa;GUO Wuji;HAN Marui;HUANG Zhibin;LI Peicheng;LI Ping;LI Zhuang;LIU Junhua;WANG Xiongbiao;WU Da;WU Shuang;YE Mengxuan;YIN Huatuo;ZENG Zhiping;ZHANG Zhipeng~

2024/01456 ~ Complete ~54:EXPERIMENTAL DEVICE UNDER COUPLING ACTION OF CORROSION AND LOAD ~71:Hunan City University, NO.518 Yingbin East Road, Heshan District, Yiyang City, Hunan Province, People's Republic of China ~72: LI Chunhua;LI Hai~

2024/01458 ~ Complete ~54:RECOVERY ADAPTIVE TRAINING DEVICE FOR ATHLETES IN SPORTS MEDICINE ~71:Jilin Sport University, 2476 Ziyou Road, Changchun City, Jilin Province, 130022, People's Republic of China ~72: ZOU Xiaoli~

2024/01461 ~ Complete ~54:LONGITUDINAL DEEP-INSERTING FERTILIZATION APPARATUS FOR OLD TREE ~71:SICHUAN ACADEMY OF FORESTRY, 18 Xinghui West Road, Jinniu District, Chengdu city, People's Republic of China ~72: Bin BAI;Chongwen ZHENG;Ningzi WU;Pijun LI;Zeliang WANG~

2024/01466 ~ Complete ~54:TRANSFORM-BASED IMAGE CODING METHOD AND DEVICE THEREFOR ~71:LG ELECTRONICS INC., 128 Yeoui-daero Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: JAEHYUN LIM;MOONMO KOO;SEUNGHWAN KIM~ 33:US ~31:62/959,815 ~32:10/01/2020

2024/01477 ~ Complete ~54:METHOD FOR PREPARING GLUFOSINATE OR ANALOGUE THEREOF ~71:LIER CHEMICAL CO., LTD., No. 327, South of Mianzhou Avenue, Mianyang Economic and Technological Development Zone, Mianyang, Sichuan, 621000, People's Republic of China ~72: KE CHENG;LEI ZHOU;MIN XU;WEI ZENG;YONGJIANG LIU~ 33:CN ~31:202110820719.X ~32:20/07/2021

2024/01478 ~ Complete ~54:PREPARATION METHOD FOR GLUFOSINATE-AMMONIUM ~71:LIER CHEMICAL CO., LTD., No. 327, South of Mianzhou Avenue, Mianyang Economic and Technological Development Zone, Mianyang, Sichuan, 621000, People's Republic of China ~72: KE CHENG;LEI ZHOU;MIN XU;WEI ZENG;YONGJIANG LIU~ 33:CN ~31:202110817019.5 ~32:20/07/2021

2024/01483 ~ Complete ~54:AMPHIPHILIC POLYAMPHOLYTES AND RELATED MEMBRANES ~71:Trustees of Tufts College, Ballou Hall, 4th Floor, MEDFORD 02155, MA, USA, United States of America ~72: ALEXIOU, Ayse Asatekin;MAZZAFERRO, Luca~ 33:US ~31:63/235,454 ~32:20/08/2021

2024/01441 ~ Provisional ~54:DOCTORFY24 ~71:NKAMOGELENG ERNEST MAMETSA, HOUSE 30 GA-SELALA VILLAGE, South Africa ~72: NKAMOGELENG ERNEST MAMETSA~

2024/01444 ~ Provisional ~54:ENDPOINT PHYSICAL ACCESS CONTROL ~71:Michael Antony Store, 3 Mafeking Road , Retreat , Cape Town , 7945 ,, South Africa ~72: Michael Anthony Store~

2024/01455 ~ Complete ~54:INTELLIGENT ANCHOR TROLLEY IN ROADWAY EXCAVATION ~71:Anhui University of Science and Technology, 168 Taifeng Street, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China;Ordos Haohua Hongqingliang Mining Co., Ltd, Bulawan Community, Shiba Getu Village, Zhaojun Town, Dalate Banner, Ordos City, Inner Mongolia Autonomous Region, People's Republic of China ~72: FANG Ping;GAO Yang;LIU Zhigang;WANG Bo;ZHAO Ming;ZHU Yifeng~

2024/01459 ~ Complete ~54:MONOHYDRATE AND CRYSTALLINE FORMS OF 6-[(3S,4S)-4-METHYL-1-(PYRIMIDIN-2-YLMETHYL)PYRROLIDIN-3-YL]-3-TETRAHYDROPYRAN-4-YL- 7H-IMID AZO [1,5- A] PYRAZIN-8-ONE ~71:CARDURION PHARMACEUTICALS, INC., 78 Blanchard Road, Suite 200, United States of America ~72: BUTTAR, Suzanne;DAI, Kuangchu;PATTERSON, Adam Ross;PITAK, Mateusz;SOVAGO,

Ioana;STRATFORD, Samuel Alexander;WEI, Haojuan;XU, Jun;ZHOU, Peng~ 33:US ~31:62/676,381 ~32:25/05/2018;33:US ~31:62/788,323 ~32:04/01/2019

2024/01467 ~ Complete ~54:TUBULAR LINER, METHOD OF FABRICATION AND USE THEREOF ~71:SANEXEN ENVIRONMENTAL SERVICES INC., 9935 rue de Châteauneuf Entrance 1, Suite 200, Canada ~72: BOUX, Olivier;HÉRAUD, Joël;MORISSETTE, Sylvain~ 33:US ~31:63/260,949 ~32:07/09/2021

2024/01472 ~ Complete ~54:MOVABLE POINT FROG ~71:CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD, No. 80 Qingjiang Road, Weibin District, Baoji City, People's Republic of China ~72: LEI, Jie;LI, Chunqiang;LI, Wenbo;SHI, Qingfeng;SUN, Libin;YAN, Yuqing~ 33:CN ~31:202111085384.8 ~32:16/09/2021

2024/01479 ~ Complete ~54:PYRIDO DIAZEPINE DERIVATIVES AS GABA A GAMMA1 PAM ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: CECERE, Giuseppe;GALLEY, Guido;GOBBI, Luca;HERNANDEZ, Maria-Clemencia;KOBLET, Andreas;OLIVARES MORALES, Andrés Miguel;RUNTZ-SCHMITT, Valerie~ 33:EP ~31:21198735.9 ~32:24/09/2021

2024/01480 ~ Complete ~54:PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE ISOXAZOLINE COMPOUND ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: GRIBKOV, Denis;MILNER, Harry John~ 33:EP ~31:21193759.4 ~32:30/08/2021

2024/01451 ~ Complete ~54:A SMART ANTIVIRAL, ANTI-TOOTHACHE, STRESS BUSTER- PAIN RELIEF, ANTICOLD ROLL-ON CUM INHALER ~71:Dr. Nidhi Dubey, Associate Professor, School of Pharmacy, Devi Ahilya Vishwavidyalaya, MP-452012, Indore, India;Dr. Nitin Dubey, Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India;Dr. Upendra Bhadoriya, Associate Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India;Mr. Ankit Jain, Associate Professor, IPS Academy College of Pharmacy, MP-452012, Indore, India ~72: Dr. Nidhi Dubey;Dr. Nitin Dubey;Dr. Upendra Bhadoriya;Mr. Ankit Jain~ 33:IN ~31:202321073051 ~32:26/10/2023

2024/01462 ~ Complete ~54:STRUCTURAL ARRANGEMENT FOR A SYSTEM CAPABLE OF MEASURING VOLUME, MASS, AND MOISTURE CONTENT ~71:DUNAKONTROLL Kft., Papírgyári út 42-46., Dunaújváros, 2400, Hungary ~72: Gábor Dévai~ 33:HU ~31:U2300038 ~32:23/02/2023

2024/01470 ~ Complete ~54:CLEANING MACHINE EXTRACTOR HEAD ~71:Harris Research Inc, 3310 West End Ave, Nashville, United States of America ~72: Christopher Wayne Smith;Sterling Elliot Nesbit~ 33:US ~31:17/380,623 ~32:20/07/2021

2024/01476 ~ Complete ~54:COMPOUNDS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH STING ACTIVITY ~71:IFM DUE, INC., 855 Boylston Street, Suite 1103, Boston, Massachusetts, 02116, United States of America ~72: HANS MARTIN SEIDEL;JASON KATZ;SHANKAR VENKATRAMAN;WILLIAM R ROUSH~ 33:US ~31:63/231,672 ~32:10/08/2021;33:US ~31:63/298,889 ~32:12/01/2022;33:US ~31:63/369,343 ~32:25/07/2022

2024/01482 ~ Complete ~54:METHODS AND SYSTEMS FOR DISTRIBUTED BLOCKCHAIN FUNCTIONALITIES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: WRIGHT, Craig Steven~ 33:GB ~31:2115516.3 ~32:28/10/2021

2024/01464 ~ Complete ~54:RAOULTELLA ORNITHINOLYTICA, BACTERIAL AGENT AND APPLICATION OF RAOULTELLA ORNITHINOLYTICA AND BACTERIAL AGENT IN ENRICHING SELENIUM AND PROMOTING GROWTH ~71:NORTHWEST A&F UNIVERSITY, NO. 3 TAICHENG ROAD, People's Republic of China ~72: GONG, Siyu;QI, Yuying;TANG, Dejian;WANG, Qi;WANG, Weidong;YU, Youben~ 33:CN ~31:202410114857X ~32:26/01/2024

2024/01468 ~ Complete ~54:IMPROVED COMPOSITIONS AND METHODS FOR STYLING HAIR FIBERS ~71:LANDA LABS (2012) LTD., P O Box 2418, Israel ~72: ABRAMOVICH, Sagi;ASHER, Tamar;BLUVSTEIN, Alexander;KARTON, Yishai;KOJOKARO, Nir~ 33:GB ~31:2111904.5 ~32:19/08/2021

2024/01471 ~ Complete ~54:A DEVICE FOR TRANSPORTING A CEMENT MIXTURE BETWEEN A PUMP OF THE CEMENT MIXTURE AND THE PLACE OF THE CEMENT MIXTURE CONSUMPTION ~71:TECHNICKA UNIVERZITA V LIBERCI, Studentska 1402/2, Czech Republic ~72: Andrii SHYNKARENKO;Iaroslav KOVALENKO;Leos BERAN;Martin SEVIC;Michal MOUCKA;Petr KELLER;Petr ZELENY;Radomir MENDRICKY;Stanislav LUKAS~

2024/01465 ~ Complete ~54:METHOD FOR ARTIFICIALLY REARING V. VELUTINA IN AGRICULTURAL LANDSCAPES AND APPLICATION THEREOF ~71:INSTITUTE OF HIGHLAND FOREST SCIENCE, CHINESE ACADEMY OF FORESTRY, NO. 666, LONGYUAN ROAD, People's Republic of China ~72: FENG, Xuanxuan;WANG, Chengye;WANG, Jianmin;WANG, Youqiong;XIE, Zhenghua;ZHANG, Junjiao;ZHAO, Min~

2024/01469 ~ Complete ~54:HIGH-NICKEL TERNARY CATHODE MATERIAL SYNTHESIZED USING LITHIUM CARBONATE AS MAIN LITHIUM SOURCE AND PREPARATION METHOD THEREOF ~71:ANHUI TIANLI LITHIUM ENERGY CO., LTD, No. 6 Lithium Battery Industrial Park, Economic Development Zone, Huaibei, People's Republic of China ~72: KANG, Jinming;LI, Hui;LI, Ke;WANG, Bing;XUE, Zhilin~ 33:CN ~31:202311075604.8 ~32:24/08/2023

2024/01473 ~ Complete ~54:METHOD FOR PREPARING GLUFOSINATE OR ANALOG THEREOF ~71:LIER CHEMICAL CO., LTD., No. 327, South of Mianzhou Avenue, Mianyang Economic and Technological Development Zone, Mianyang, Sichuan, 621000, People's Republic of China ~72: KE CHENG;LEI ZHOU;MIN XU;WEI ZENG;YONGJIANG LIU~ 33:CN ~31:202110817871.2 ~32:20/07/2021

2024/01484 ~ Provisional ~54:ADVANCE PROOF OF RESIDENTIAL ADDRESS APPLIED ON CELLPHONE SCREEN VIA APP ~71:GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANSDRIFT, BUTHI, South Africa ~72: GEORGE MAKHAYA MASOMBUKA~

. - APPLIED ON 2024/02/20 -

2024/01491 ~ Complete ~54:BODY MILK ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG D-22529, GERMANY, Germany ~72: BLECKMANN, Andreas;SELLCKAU, Sabine;WISCHHÖFER, Svea~ 33:DE ~31:102023201528.5 ~32:21/02/2023

2024/01495 ~ Complete ~54:A SYSTEM FOR ASSESSING THE IMPACT OF OHMIC-HEATING CHARACTERISTIC PARAMETERS ON MANGO PULP'S PROPERTIES ~71:Dr. Achyuta Kumar Biswal, Centre of Studies in Surface Science and Technology, School of Chemistry, Sambalpur University, Jyoti Vihar 768019, Odisha, India;Dr. Aparajita Priyadarshini, P.G Department of Food Science Technology & Nutrition, Sambalpur University, Jyoti Vihar, 768019, India;Dr. Jayabratha Saha, Block-E, Dept. of Applied Biology, School of Biological Science, University of Science and Technology, Meghalaya Technocity, Kling Road, Baridua, Dist:Ri-Bhoi, 793101, India;Prof. Kalpana Rayaguru, Professor and Head, Dept. Of Agri. Processing and Food Engineering CAET, OUAT, Bhubaneswar, Odisha, 751003, India;Prof. Pramila Kumari Misra, Centre of Studies in Surface Science and Technology, School of Chemistry, Sambalpur University, Jyoti Vihar 768019, India ~72: Dr. Achyuta Kumar Biswal;Dr. Aparajita Priyadarshini;Dr. Jayabratha Saha;Prof. Kalpana Rayaguru;Prof. Pramila Kumari Misra~

2024/01499 ~ Complete ~54:MODIFICATION OF UBIQUITIN BINDING PEPTIDASE GENES IN PLANTS FOR YIELD TRAIT IMPROVEMENT ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100,

Durham, United States of America ~72: MATHEW, Lolita George;ZHANG, Xiaoyu~ 33:US ~31:63/238,394 ~32:30/08/2021

2024/01504 ~ Complete ~54:LIPID-BASED COMPOSITION FOR ORAL ADMINISTRATION OF BRADYKININ B2-RECEPTOR ANTAGONISTS ~71:PHARVARIS GMBH, Grafenauweg 8, 6300 Zug, Switzerland ~72: CHRISTOPH GIBSON~ 33:EP ~31:21189990.1 ~32:05/08/2021

2024/01511 ~ Complete ~54:PROCESS FOR PREPARING A SPRAY DRIED DETERGENT PARTICLE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ABRAHAM CHACKO;GIRISH KUMAR;KUNAL SHANKAR PAWAR;NADEEM SHAIKH;SATYENDRA PRASAD SINGH;SHARAVAN KUMAR~ 33:EP ~31:21196792.2 ~32:15/09/2021

2024/01487 ~ Provisional ~54:A SUPPORT ASSEMBLY ~71:NELL, Johannes, 471 QUEENS CRESCENT, LYNNWOOD, PRETORIA, 0081, South Africa ~72: NELL, Johannes~

2024/01493 ~ Complete ~54:A SYSTEM FOR MITIGATING DISPARATE IMPACT IN ALGORITHMIC DECISIONS ~71:Dr. Bhaskar Naik, Department of Computer Science, Bedupalli Knowledge Park Prashanthi gram, Puttaparthy, Andhra Pradesh, 515134, India;Dr. Anant Saraswat, Department of Computer Science, Bedupalli Knowledge Park Prashanthi gram, Puttaparthy, Andhra Pradesh, 515134, India;Dr. Kumar Abhishek, National Institute of Technology Patna, Ashok Rajpath Patna, 800005, India;Manjish Pal, Indian Institute of Technology, Kharagpur 721302, West Bengal, India;Sanskrithi School of Engineering, Bedupalli Knowledge Park Prashanthi gram, Puttaparthy, Andhra Pradesh, 515134, India;Shubham Pokriyal, Indian Institute of Technology Ropar, Nangal Road, Rupnagar, Punjab, 140001, India;Upasana Chutia, National Institute of Technology Patna, Ashok Rajpath Patna, 800005, India ~72: Dr. Bhaskar Naik;Dr. Anant Saraswat;Dr. Kumar Abhishek;Manjish Pal;Shubham Pokriyal;Upasana Chutia~

2024/01500 ~ Complete ~54:METHOD FOR TREATING ENDOMETRIOSIS AND PROVIDING EFFECTIVE CONTRACEPTION ~71:Chemo Research, S.L., Manuel Pombo Angulo 28, 3rd and 4th floor, MADRID 28050, SPAIN, Spain ~72: COLLI, Enrico;PÉREZ, Salustiano~ 33:EP ~31:21382757.9 ~32:12/08/2021

2024/01506 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NARAYANAN SUBRAHMANIAM;PANCHANAN BHUNIA~ 33:EP ~31:21193056.5 ~32:25/08/2021

2024/01510 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HEMENDRA DILIP JOSHI;RAJAN CHANDRAKANT MHAMUNKAR;SHASHANK KHARE;SUBHAJIT MANNA;SUJITKUMAR SURESH HIBARE~ 33:EP ~31:21193576.2 ~32:27/08/2021

2024/01489 ~ Complete ~54:METHOD AND SYSTEM FOR PREDICTING STRENGTH OF CONTROLLED RELEASE FERTILIZER BASED ON PHENOTYPIC CHARACTERISTICS ~71:SHANDONG AGRICULTURAL UNIVERSITY, No.61, Daizong Street, Taian, People's Republic of China ~72: CHEN, Xiubo;FU, Shenghui;LIU, shuangxi;Li, Hongli;SUN, Linlin;WANG, Jinxing;ZHANG, Hongjian;ZHANG, Wen~ 33:CN ~31:202311519347.2 ~32:15/11/2023

2024/01496 ~ Complete ~54:SYSTEMS AND METHODS FOR IMPROVED CORE SAMPLE ANALYSIS ~71:LONGYEAR TM, INC., 2455 South 3600 West, United States of America ~72: GEORGE, Luke~ 33:US ~31:63/062,975 ~32:07/08/2020

2024/01498 ~ Complete ~54:A COMPUTER-IMPLEMENTED METHOD OF MANAGING FILES ON A MOBILE DEVICE ~71:APPGAP (Pty) Ltd, Cnr Friedman & Harold Streets, Plot 16, Mantevrede, VANDERBIJLPARK 1911, SOUTH AFRICA, South Africa ~72: COETZER, Petrus Daniel~ 33:ZA ~31:2021/05539 ~32:06/08/2021

2024/01503 ~ 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;HEEBO SHIM;KYUNGHOON HYUN;MINSUNG LEE~ 33:KR ~31:10-2021-0104909 ~32:09/08/2021;33:KR ~31:10-2022-0013699 ~32:28/01/2022

2024/01509 ~ Complete ~54:USE OF A DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHA TELKAR;GURPREET SINGH KOHLI;PRAJKTA RUPESH RANE~ 33:EP ~31:21193557.2 ~32:27/08/2021;33:EP ~31:21193565.5 ~32:27/08/2021

2024/01515 ~ Provisional ~54:METAL WINDOW BEAD FOR GLAZING WOOD ANS STEEL FRAMES ~71:Lawrence Brian Preston, 18 DIAMANPARK 1ST AVE ERASMUS, South Africa ~72: Lawrence Brian Preston~

2024/01514 ~ Provisional ~54:TELESCOPIC LADDER WITH TELESCOPIC HANDRAILS ~71:Charles Eugene O'Reilly, Pavilion Heights no 66, South Africa ~72: Charles Eugene O'Reilly~

2024/01492 ~ Complete ~54:DEVICE FOR TREATING PETROLEUM WASTEWATER USING CARBON NANOTUBE ADSORPTION ~71:Northeast Petroleum University, No. 99 Xuefu Street, High tech Industrial Development Zone, Daqing City, Heilongjiang Province, 163318, People's Republic of China ~72: Shi Fang;Shi Rong;Wu Jingchun;Xiu Hongwen;Zhao Bo;Zhao Zhenduo~ 33:CN ~31:202311223311.X ~32:21/09/2023

2024/01494 ~ Complete ~54:DEVICE FOR ADJUVANT TREATMENT OF FLATULENCE IN GASTROINTESTINAL SURGERY ~71:Changzhou Maternal and Child Health Care Hospital, No. 16 Dingxiang Road, Changzhou City, Jiangsu Province, 213000, People's Republic of China ~72: Zhao Min;Zhou Xiao~

2024/01501 ~ Complete ~54:SURFACE-ACTIVE AGENT ~71:Econic Technologies Ltd, Block 19s Alderley Park, MACCLESFIELD SK10 4TG, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: BLACKBURN, Anthea;KEMBER, Michael;WILLIAMS, Charlotte~ 33:GB ~31:2115335.8 ~32:25/10/2021

2024/01507 ~ Complete ~54:A CONCENTRATED CLEANING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: RAMITHA KALATHIL;ROBERT JOHN CARSWELL~ 33:EP ~31:21193359.3 ~32:26/08/2021

2024/01513 ~ Complete ~54:FILMS AND CAPSULES ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANDREW PHILIP PARKER;MARIA FERNANDA JIMENEZ SOLOMON~ 33:EP ~31:21193547.3 ~32:27/08/2021

2024/01488 ~ Complete ~54:BRACELET FOR TESTING AMBULATORY GLUCOSE MARKER IN REALTIME ~71:Shanghai East Hospital (East Hospital Affiliated to Tongji University), 150 Jimo Road, Pudong New Area, Shanghai, 200120, People's Republic of China ~72: CHEN, Da;LI, Wenjie;LI, Ziyi;LUAN, Yigang;SONG, Jun;ZHANG, Limin;ZHOU, Chenxia~ 33:CN ~31:2024100390631 ~32:10/01/2024

2024/01497 ~ Complete ~54:MEDICAL LIQUID COMPOSITION FOR AERIAL ADMINISTRATION ~71:APE8 S.R.L., Via Di Vittorio, 5/A, Italy;NATURAL ACADEMY S.R.L., Via San Martino, 74/I, Italy ~72: DELL'AGLI, Mario;FERRI, Emanuele;FERRI, Nicola~ 33:IT ~31:102021000022172 ~32:23/08/2021

2024/01502 ~ Complete ~54:MINING WORKSITE MAPPING ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: PUURA, Jussi~ 33:EP ~31:21196294.9 ~32:13/09/2021

2024/01508 ~ Complete ~54:FILMS AND CAPSULES ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANDREW PHILIP PARKER;MARIA FERNANDA JIMENEZ SOLOMON~ 33:EP ~31:21193542.4 ~32:27/08/2021

2024/01516 ~ Provisional ~54:UBUNTU-BOTHO CONCEPT ~71:ASAPH MONGWEGELA MOSHIKARO, 615 PROTEA DRIVE, MIDRAND, South Africa ~72: ASAPH MONGWEGELA MOSHIKARO~

2024/01490 ~ Complete ~54:BODY MILK ~71:Beiersdorf AG, Beiersdorfstraße 1-9, HAMBURG D-22529, GERMANY, Germany ~72: BLECKMANN, Andreas;SELLCKAU, Sabine;WISCHHÖFER, Svea~ 33:DE ~31:102023201536.6 ~32:21/02/2023

2024/01505 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHA TELKAR;GURPREET SINGH KOHLI;PRAJKTA RUPESH RANE~ 33:EP ~31:21193557.2 ~32:27/08/2021;33:EP ~31:21193565.5 ~32:27/08/2021

2024/01512 ~ Complete ~54:A TOPICAL COMPOSITION FOR PROVIDING ENERGIZING GLOW ON SKIN ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ADITI JAYAVANT KULKARNI;ANITA DAMODARAN;ANKITA RUTU PAWAR;MRUTHYUNJAYA SWAMY MATHAPATHI;SATISH KUMAR VENKATESH;TANYA RACHAEL THOMAS~ 33:EP ~31:21201525.9 ~32:07/10/2021

. - APPLIED ON 2024/02/21 -

2024/01540 ~ Complete ~54:VACUUM CARBURIZING METHOD FOR OBTAINING DISPERSEDLY DISTRIBUTED FINE CARBIDES ~71:BEIJING RESEARCH INSTITUTE OF MECHANICAL & ELECTRICAL TECHNOLOGY CO., LTD. CAM, No.18 Xueqing Road, People's Republic of China ~72: Chunhui DU;Danruo XUE;Guangwen YANG;He WANG;Lei FAN;Longxiang HE;Peiwu CONG;Wenlin LU;Xuyang CHEN;Yueming XU;Zhanwen FAN~ 33:CN ~31:202111058109.7 ~32:09/09/2021

2024/01537 ~ Complete ~54:METHOD AND APPARATUS FOR CHARGING ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: WEI, Zhansheng;YANG, Yong;ZHU, Jinyin~ 33:CN ~31:PCT/CN2021/109263 ~32:29/07/2021

2024/01538 ~ Complete ~54:SYSTEMS AND METHODS FOR MANAGING ACCESS CREDENTIAL REQUESTS ~71:XERO LIMITED, 19-23 Taranaki Street, New Zealand ~72: THIRKELL, Justin~

2024/01542 ~ Complete ~54:MOTION VECTOR DIFFERENCE SIGN PREDICTION FOR VIDEO CODING ~71:QUALCOMM Incorporated, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: KARCZEWICZ, Marta;RAY, Bappaditya;SEREGIN, Vadim;ZHANG, Yan~ 33:US ~31:63/249,421 ~32:28/09/2021;33:US ~31:17/929,122 ~32:01/09/2022

2024/01541 ~ Complete ~54:COMPOSITIONS AND METHODS FOR SELECTIVE DEGRADATION OF ENGINEERED PROTEINS ~71:Celgene Corporation, 86 Morris Ave., SUMMIT 07901, NJ, USA, United States of America ~72: BARAJAS, Brook;CARROLL, Christopher Walton;D'AGOSTINO, Laura Akullian;LIU, Haibo;SHANMUGASUNDARAM, Veerabahu~ 33:US ~31:63/230,225 ~32:06/08/2021

2024/01552 ~ Complete ~54:METHOD FOR THE ELECTROLYSIS OF WATER AT VARIABLE CURRENT DENSITIES ~71:INDUSTRIE DE NORA S.P.A., Via Bistolfi 35, 20134, Milan, Italy ~72: DANIELE NUZZO;MICHELE PEREGO;MICHELE SPONCHIADO~ 33:EP ~31:21191769.5 ~32:17/08/2021

2024/01522 ~ Complete ~54:ELECTROCHEMICAL CELL ~71:North-West University, Technology Transfer and Innovation Support, Building D1, cnr Hoffman and Borcherd Streets, South Africa ~72: BESSARABOV, Dmitri, Georgievich;DU PREEZ, Stephanus, Petrus~ 33:ZA ~31:2022/09539 ~32:24/02/2023

2024/01525 ~ Complete ~54:SECTIONAL TUNNEL BLASTHOLE ARRANGEMENT STRUCTURE AND CONSTRUCTION METHOD THEREOF ~71:CHINA RAILWAY THIRD DIVISION GROUP CO., LTD., No.1 Xinjian South Road, Taiyuan City, People's Republic of China;CHINA RAILWAY THIRD DIVISION GROUP FIFTH ENGINEERING CO., LTD., No.1 Shuncheng East Street, Yuci District, Jinzhong City, People's Republic of China ~72: CHEN, Peili;CHENG, Junwen;FU, Chongyang;HUANG, Xiuwen;LIU, Pengjun;SUN, Kanghua;SUN, Longhua;WANG, Ping;WANG, Zijun;WU, Yunlong;XIE, Xiaofeng;YU, Zhongyue;ZHANG, Xugang;ZHANG, Zefeng~

2024/01548 ~ Complete ~54:UNC13A ANTISENSE OLIGONUCLEOTIDES ~71:ACURASTEM, INC., 605 E. Huntington Drive, Suite 103, Monrovia, California, 91016, United States of America ~72: JUSTIN K ICHIDA;WEN-HSUAN CHANG~ 33:US ~31:63/203,409 ~32:21/07/2021;33:US ~31:63/364,830 ~32:17/05/2022

2024/01543 ~ Complete ~54:SYSTEMS AND METHODS FOR ASSET AUTHENTICATION AND MANAGEMENT ~71:Mars 8 and Co, London, Ltd, Shelton Street 71-75, Covent Garden, LONDON WC2H9JQ, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: PECORARO, Julien Marc~ 33:US ~31:63/226,012 ~32:27/07/2021

2024/01523 ~ Complete ~54:METHOD OF MINING THE SUB-QUARRY PART OF MINERAL OREFIELDS ~71:CHUIKO, Vitaly Anatolievich, g. Krasnovishersk, ul. Gagarina, d. 71, kv. 39, Russian Federation;ELSHIN, Aleksey Vladimirovich, g. Perm, ul. Arkadiya Gaidara, d. 7, k. A, kv. 16, Russian Federation ~72: CHUIKO, Vitaly Anatolievich;ELSHIN, Aleksey Vladimirovich~ 33:RU ~31:2023121291 ~32:15/08/2023

2024/01536 ~ Complete ~54:USER EQUIPMENT AND BASE STATION INVOLVED IN MONITORING OF A CONTROL CHANNEL ~71:PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA, 2050 W 190TH STREET SUITE 450, TORRANCE, CA 90504, USA, United States of America ~72: HORIUCHI, Ayako;KUANG, Quan;SUZUKI, Hidetoshi~ 33:EP ~31:21188904.3 ~32:30/07/2021

2024/01534 ~ Complete ~54:MICROORGANISMS DISPLAYING VIRAL DECOY RECEPTORS ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BERNGRUBER, Thomas;DE GROOT, Raoul;FLÜGEL, Monika;LANG, Yifei;MOLCK, Stella;VAN KUPPEVELD, Frank~ 33:EP ~31:21189121.3 ~32:02/08/2021

2024/01518 ~ Provisional ~54:FUNERALS SOUTH AFRICA VAS ~71:Umqhele Legal Consultants, 140 West Street, Sandton, South Africa ~72: Funerals South Africa Proprietory Limited~

2024/01531 ~ Complete ~54:EXPLOSION SENSING AND WARNING DEVICE FOR A SAFE ~71:BARTELINK, Johannes Gerardus, 38 Pomona Road, Pomona, South Africa ~72: BARTELINK, Johannes Gerardus~ 33:ZA ~31:2022/13572 ~32:15/12/2022

2024/01532 ~ Complete ~54:FORMULATIONS OF FACTOR VIII CHIMERIC PROTEINS AND USES THEREOF ~71:BIOVERATIV THERAPEUTICS INC., 225 Second Avenue, Waltham, Massachusetts, United States of America ~72: CARLAGE, Tyler;MAULDIN, Randall;MCCOY, Timothy, R.;TAZI, Loubna, Mzaalak~ 33:US ~31:63/256,432 ~32:15/10/2021

2024/01545 ~ Complete ~54:PATCH ~71:MEDHERANT LTD, The Venture Centre, United Kingdom ~72: HADDLETON, David;NIKOLAOU, Vasiliki;NURUMBETOV, Gabit;ROSS, Andrew~ 33:GB ~31:2112812.9 ~32:08/09/2021

2024/01519 ~ Complete ~54:SOYBEAN MUTATION BREEDING BOX WITH HEAVY ION BEAM CONCENTRATION STRUCTURE ~71:Soybean Research Institute of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: LIU, Xiulin;REN, Honglei;WANG, Xueyang;WU, Qi;YUAN, Rongqiang;ZHANG, Bixian;ZHANG, Chunlei;ZHANG, Fengyi;ZHAO, Kezhen~ 33:CN ~31:2023118149749 ~32:26/12/2023

2024/01521 ~ Complete ~54:FERTILIZING DEVICE FOR WALNUT TOPDRESSING AND FERTILIZATION METHOD THEREOF ~71:Shanxi Academy of Forestry and Grassland Sciences, No. 105 Xinjian South Road, Taiyuan City, Shanxi Province, 030012, People's Republic of China ~72: AN Rong;CUI Yaqin;FENG Lijuan;GU Sisi;MOU Yuling;YANG Fei;YANG Yanqing;YAO Feng;ZHANG Caihong~ 33:CN ~31:2024101222027 ~32:29/01/2024

2024/01524 ~ Complete ~54:ENVIRONMENTAL NOISE MONITOR ~71:Chongqing Chemical Industry Vocational College, No. 2009 Bodhi East Road, Changshou District, Chongqing, 401220, People's Republic of China ~72: HAN, Yuhua~ 33:CN ~31:202310341908.8 ~32:31/03/2023

2024/01527 ~ Complete ~54:A CONTOUR MINING STRUCTURE FOR EXCAVATION AND TRANSPORTATION OF PREPARED ORE MASS FROM QUARRY BOTTOM ~71:CHUIKO, Vitaly Anatolievich, g. Krasnovishersk, ul. Gagarina, d. 71, kv. 39, Russian Federation;ELSHIN, Aleksey Vladimirovich, g. Perm, ul. Arkadiya Gaidara, d. 7, k. A, kv. 16, Russian Federation ~72: CHUIKO, Vitaly Anatolievich;ELSHIN, Aleksey Vladimirovich~ 33:RU ~31:2023121297 ~32:15/08/2023

2024/01528 ~ Complete ~54:APPARATUS AND METHOD FOR DRYING AND STYLING HAIR ~71:JEMELLA LIMITED, Bridgewater Place, Water Lane, Leeds, Yorkshire, LS11 5BZ, United Kingdom ~72: ADAM STONE;ALEX HARRISON;ANTHONY SARGEANT;ED SURRIDGE;LIAM WRIGHT;RICHARD GOLD;ROBERT WEATHERLY;TIM HONE;TIMOTHY MOORE~ 33:GB ~31:1910869.5 ~32:30/07/2019

2024/01520 ~ Complete ~54:HEAVY ION MUTATION BREEDING METHOD FOR GLYCINEMAX ~71:Soybean Research Institute of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: LIU, Xiulin;REN, Honglei;WANG, Xueyang;WU, Qi;YUAN, Rongqiang;ZHANG, Bixian;ZHANG, Chunlei;ZHANG, Fengyi;ZHAO, Kezhen~ 33:CN ~31:2023118149664 ~32:26/12/2023

2024/01530 ~ Complete ~54:SYSTEM AND METHOD FOR DETERMINING A WEIGHT STATUS OF A RAILWAY VEHICLE ~71:RAILWAY METRICS AND DYNAMICS SWEDEN AB, P.O. Box 5339, 102 47, Stockholm, Sweden ~72: JAN LINDQVIST;MARTIN BÄFVERFELDT~ 33:SE ~31:2350203-2 ~32:22/02/2023

2024/01533 ~ Complete ~54:MULTI-MODAL ENGLISH TEACHING DEVICE WITH SUPPORTING STRUCTURE ~71:HEBEI CHEMICAL AND PHARMACEUTICAL COLLEGE, No. 88 Fangxing Road, Yuhua District, Shijiazhuang, Hebei, 050026, People's Republic of China ~72: JIAO, Chunhong~

2024/01549 ~ Complete ~54:FACTOR XII (F12) 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;KARYN SCHMIDT;MARK K SCHLEGEL~ 33:US ~31:63/232,840 ~32:13/08/2021

2024/01553 ~ Complete ~54:EXERCISE SYSTEM AND CLIMBING SIMULATOR ~71:NARENDRANATH LAKSHMIPATHY, 29953 Sussex Road, Perrysburg, Ohio, 43551, United States of America ~72: NARENDRANATH LAKSHMIPATHY~ 33:US ~31:63/234,298 ~32:18/08/2021

2024/01554 ~ Complete ~54:MECHANICALLY GASSED EMULSION EXPLOSIVES AND RELATED METHODS AND SYSTEMS ~71:DYNO NOBEL INC., 6440 South Millrock Drive, Suite 150, Salt Lake City, Utah, 84121, United States of America ~72: CASEY L NELSON;CORNELIS KOME;JEREMIAH R BEAGLEY;JOHN HALANDER~ 33:US ~31:63/237,079 ~32:25/08/2021;33:US ~31:63/364,014 ~32:02/05/2022

2024/01535 ~ Complete ~54:PROCESS FOR THE CONTINUOUS DISTILLATION OF ACRYLATES ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: DE RUITER, Cornelis, Hendricus;ELIXMANN, David;GIESHOFF, Tile;HUELSMANN, Felix;KRAMP, Marvin;REIN, Christian;SCHNEIDER, Karl-Friedrich~ 33:EP ~31:21188534.8 ~32:29/07/2021

2024/01546 ~ Complete ~54:ELECTRONIC DEVICE HAVING WATERPROOF STRUCTURE APPLIED THERETO ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: HYUNJU HONG;JUNGCHUL AN;KIYOUNG JUNG;SEUNGKI CHOI;WOOSUNG CHUN~ 33:KR ~31:10-2021-0105368 ~32:10/08/2021;33:KR ~31:10-2021-0106361 ~32:11/08/2021

2024/01551 ~ Complete ~54:MICROBIAL FERMENTATION FOR THE PRODUCTION OF ISOPRENOID ALCOHOLS AND DERIVATIVES ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: MICHAEL KOEPKE;RUPERT OLIVER JOHN NORMAN;SEAN DENNIS SIMPSON;SHIVANI GARG~ 33:US ~31:63/260,534 ~32:24/08/2021

2024/01539 ~ Complete ~54:PROCESS FOR FORMULATING COMPOSITIONS COMPRISING GLUCAGON-LIKE-PEPTIDE-2 (GLP-2) ANALOGUES ~71:ZEALAND PHARMA A/S, Sydmarken 11, Denmark ~72: LUNDQVIST, Joakim;MØLLER, Eva Horn~ 33:EP ~31:21196169.3 ~32:10/09/2021

2024/01544 ~ Complete ~54:AUTOMATIC CHOKING HYDRAULIC SHOCK REDUCTION VALVE ~71:Baker Hughes Oilfield Operations LLC, 17021 Aldine Westfield Road, HOUSTON 77073, TX, USA, United States of America ~72: LEON, Claudia;MCAULEY, Alexander;NGUYEN, Thuc Ngoc;WOODRUFF-HALL, Alexander~ 33:US ~31:17/468,077 ~32:07/09/2021

2024/01547 ~ Complete ~54:RNA VACCINES ~71:ARCTURUS THERAPEUTICS, INC., 10628 Science Center Drive, Suite 250, San Diego, California, 92121, United States of America ~72: AMIT SAGI;DAIKI MATSUDA;KIYOSHI TACHIKAWA;PADMANABH CHIVUKULA;PRIYA PRAKASH KARMALI;RAJESH MUKTHAVARAM;SEAN MICHAEL SULLIVAN;YANJIE BAO~ 33:US ~31:63/227,972 ~32:30/07/2021

2024/01550 ~ Complete ~54:BENZO NITROGEN-CONTAINING HETEROAROMATIC RING DERIVATIVE AND USE THEREOF IN MEDICINE ~71:XIZANG HAISCO PHARMACEUTICAL CO., LTD., Xingfu Jiayuan Economic Development Zone, Jieba Town, Naidong District, Lhoka, Tibet, 856099, People's Republic of China ~72: CHEN ZHANG;DACHAO TANG;GUOZHI ZHU;JIA NI;PANGKE YAN;PINGMING TANG;XINFAN CHENG;YAN YU;YAO LI;YUTING LIAO~ 33:CN ~31:202110940107.4 ~32:18/08/2021;33:CN ~31:202111048416.7 ~32:08/09/2021;33:CN ~31:202111532328.4 ~32:16/12/2021;33:CN ~31:202210255370.4 ~32:22/03/2022;33:CN ~31:202210496109.3 ~32:12/05/2022;33:CN ~31:202210558720.4 ~32:25/05/2022;33:CN ~31:202210903696.3 ~32:29/07/2022

2024/01526 ~ Complete ~54:2-HOMOPIPERAZINE-1-YL-4H-1,3-BENZOTHIAZINE-4-ONE DERIVATIVES AND PROCESS FOR THE PREPARATION OF 2- (HOMO)PIPERAZINE 1,3-BENZOTHIAZINE-4-ONE HYDROCHLORIDES ~71:Ecole Polytechnique Federale de Lausanne (EPFL), EPFL Innovation Park J,

LAUSANNE 1015, SWITZERLAND, Switzerland ~72: MAKAROV, Vadim Albertovich;STEWART, Cole~ 33:EP ~31:15160267.9 ~32:23/03/2015

2024/01529 ~ Complete ~54:A MERCHANDISE DISPLAY ~71:SMART CART (PTY) LTD, First Floor, Trafalgar House, corner St Andrew Str & Edgewood Ave, Birdhaven 2196, South Africa ~72: CECIL WINTON UNGERER;MARK URIA~ 33:ZA ~31:2023/03331 ~32:06/03/2023

. - APPLIED ON 2024/02/22 -

2024/01557 ~ Provisional ~54:A DRILL HAMMER ~71:GIEN, Bernard Lionel, 13 Smits Street, Germiston, South Africa ~72: GIEN, Bernard Lionel~

2024/01558 ~ Complete ~54:A TEXTILE MACHINE FOR MEDICAL TEXTILE PRODUCTION WITH A DISINFECTION MECHANISM ~71:Anhui polytechnic university, No. 8, Beijing middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China;The First Affiliated Hospital of Wannan Medical College, No. 2, Zheshan West Road, Jinghu District, Wuhu City, Anhui Province, 241001, People's Republic of China ~72: Changlong Li;Fei Hu;Feng Zhang;Lei Zhou;Xue Ling~

2024/01573 ~ Complete ~54:METHODS AND COMPOSITIONS FOR CARBON CAPTURE ~71:ENTROPY INC., 2200, 440 - 2nd Avenue SW, Canada ~72: IDEM, Raphael;MUCHAN, Pailin;NARKU-TETTEH, Jessica;NATEWONG, Paweesuda;SUPAP, Teeradet~ 33:US ~31:63/235,802 ~32:22/08/2021

2024/01580 ~ Complete ~54:COMPOSITIONS AND FORMULATIONS FOR TOPICAL USE OF AN AKT INHIBITOR FOR THE PREVENTION, TREATMENT, AND IMPROVEMENT OF SKIN DISEASES, CONDITIONS, AND DISORDERS ~71:DERMBIONT, INC., 451 D Street, Suite 908, United States of America ~72: BEUTNER, Karl;COFRE URRUTIA, Vanessa Alexandra;DE SOUZA, Mark;GREENAWAY EVANS, Charles Rodney;GUIDALI BONJOUR, Florencia Maria;KINCAID, John;TAYLOR, Emma~ 33:US ~31:63/244,353 ~32:15/09/2021;33:US ~31:63/344,440 ~32:20/05/2022;33:US ~31:63/400,014 ~32:22/08/2022

2024/01587 ~ Complete ~54:MOBILE DISPERSION SYSTEM AND METHODS FOR THE RESUSPENSION OF DRIED MICROFIBRILLATED CELLULOSE ~71:FiberLean Technologies Limited, Par Moor Centre, Par Moor Road, PAR PL24 2SQ, CORNWALL, UNITED KINGDOM, United Kingdom ~72: SKUSE, David R.;TAHAMTAN, Paymaan;WINDEBANK, Mark~ 33:US ~31:63/241,700 ~32:08/09/2021

2024/01574 ~ Complete ~54:CABLE WINCH ~71:INFRAVISION HOLDINGS PTY LTD, 4 Australia Street, Australia ~72: VAN DER BERG, Cameron;VAN DER BERG, Daniel~ 33:AU ~31:2021902353 ~32:30/07/2021;33:AU ~31:2021902386 ~32:03/08/2021;33:AU ~31:2021903054 ~32:22/09/2021;33:AU ~31:2021903983 ~32:09/12/2021

2024/01579 ~ Complete ~54:LINE ATTACHMENT DEVICES AND METHODS FOR USE THEREOF ~71:INFRAVISION HOLDINGS PTY LTD, 4 Australia Street, Australia ~72: VAN DER BERG, Cameron;VAN DER BERG, Daniel~ 33:AU ~31:2021902353 ~32:30/07/2021;33:AU ~31:2021902386 ~32:03/08/2021;33:AU ~31:2021903054 ~32:22/09/2021;33:AU ~31:2021903983 ~32:09/12/2021

2024/01588 ~ Complete ~54:RECOMBINANT HCMV VECTORS AND USES THEREOF ~71:Vir Biotechnology, Inc., 1800 Owens Street, Suite 900, SAN FRANCISCO 94158, CA, USA, United States of America ~72: ARVIN, Ann M.;DOUGLAS, Janet L.;MARSHALL, Emily;VIRGIN, Herbert W.~ 33:US ~31:63/239,298 ~32:31/08/2021;33:US ~31:63/356,386 ~32:28/06/2022

2024/01561 ~ Complete ~54:METHOD AND SYSTEM FOR MONITORING EFFECTIVE PRESTRESS OF POST-TENSIONED CONCRETE BEAMS ~71:Hunan City University, NO.518 Yingbin East Road, Heshan District, Yiyang City, Hunan Province, People's Republic of China ~72: LI Hai~

2024/01565 ~ Complete ~54:IMMUNOTHERAPY METHODS FOR PATIENTS WHOSE TUMORS CARRY A HIGH PASSENGER GENE MUTATION BURDEN ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: LIM, Wei Keat~ 33:US ~31:62/560,955 ~32:20/09/2017

2024/01569 ~ Complete ~54:ASSEMBLY FOR THE CONTROL OF THE TEMPERATURE IN A DRINKING WATER HEATER ~71:Hans Sasserath GmbH & Co. KG, Mühlenstraße 62, KORSCHENBROICH 41352, GERMANY, Germany ~72: HECKING, Willi~ 33:DE ~31:20 2023 100 855.0 ~32:23/02/2023

2024/01581 ~ Complete ~54:AUTONOMOUS FLIGHT SAFETY SYSTEM ~71:GENERAL ATOMICS, 3550 General Atomics Court, United States of America ~72: ANDERSON, Rusty;AVEN, Kyle;BEARD, Gary C.;HELMS, Keith;ODOM, Luther E. Jr.;XERRI, Jason~ 33:US ~31:17/469,024 ~32:08/09/2021

2024/01585 ~ Complete ~54:MULTI-STAGE FALLING PARTICLE RECEIVER ~71:COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION, Clunies Ross St, Acton, Australian Capital Territory, 2601, Australia ~72: DANIEL POTTER;JIN-SOO KIM;WILSON GARDNER;YEN CHEAN SOO TOO~

2024/01589 ~ Complete ~54:RIM FOR A WHEEL ~71:Dymag Group Limited, Units A/B Brunel Park, Vincients Road, Bumpers Farm, CHIPPENHAM SN14 6NQ, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: DE LANGE, Thomas;WAKEMAN, Eric;WILSON, Michael~ 33:GB ~31:2110639.8 ~32:23/07/2021

2024/01568 ~ Complete ~54:INFORMATION MANAGEMENT METHOD ~71:ABRAHAMS, Abdul Kader, 23 Boles Street, Hamburg, South Africa ~72: ABRAHAMS, Abdul Kader~ 33:ZA ~31:2023/03404 ~32:07/03/2023

2024/01562 ~ Complete ~54:CONCRETE MOISTURE-HEAT COUPLING SIMULATION ANALYSIS METHOD ~71:Hunan City University, NO.518 Yingbin East Road, Heshan District, Yiyang City, Hunan Province, People's Republic of China ~72: PENG Yi~

2024/01567 ~ Complete ~54:RING-MODIFIED PROLINE SHORT PEPTIDE COMPOUND AND USE THEREOF ~71:FUJIAN AKEYLINK BIOTECHNOLOGY CO., LTD., 2F, Comprehensive Office Building, Building 1-7, Fuyuan Industrial Zone Zherong County Ningde, Fujian 355300, People's Republic of China ~72: HAIYING HE;JIAN LI;JIANCHEN ZHANG;PENG LI;SHUHUI CHEN;YAXUN YANG;ZHENG WANG~ 33:CN ~31:202110413867.X ~32:16/04/2021;33:CN ~31:202110517743.6 ~32:12/05/2021;33:CN ~31:202110637580.5 ~32:08/06/2021;33:CN ~31:202110659242.1 ~32:11/06/2021;33:CN ~31:202110879570.2 ~32:30/07/2021;33:CN ~31:202111040878.4 ~32:06/09/2021;33:CN ~31:202111088812.2 ~32:16/09/2021;33:CN ~31:202111307043.0 ~32:05/11/2021;33:CN ~31:202111343012.0 ~32:12/11/2021;33:CN ~31:202111433962.2 ~32:29/11/2021;33:CN ~31:202111567163.4 ~32:20/12/2021;33:CN ~31:202210029887.1 ~32:12/01/2022;33:CN ~31:202210170046.2 ~32:23/02/2022

2024/01570 ~ Complete ~54:MINING VEHICLE CALIBRATION ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: SNELLMAN, Olli;SVENSBERG, Ville~ 33:EP ~31:23158444.2 ~32:24/02/2023

2024/01556 ~ Provisional ~54:A DRILL HAMMER ~71:GIEN, Bernard Lionel, 13 Smits Street, Germiston, South Africa ~72: GIEN, Bernard Lionel~

2024/01559 ~ Complete ~54:A MEDICINAL DIET THERAPEUTIC PRODUCT COMPOSITION FOR PREVENTING UTERINE ADHESIONS AND A PREPARATION METHOD THEREOF ~71:Shenzhen Second People's Hospital (Shenzhen Institute of Translational Medicine), No. 3002, Sungang West Road, Huafu Street, Futian District, Shenzhen City, Guangdong Province, 518025, People's Republic of China ~72: Sha YU~

2024/01577 ~ Complete ~54:COMPUTER-IMPLEMENTED SYSTEMS AND METHODS FOR ANALYZING EXAMINATION QUALITY FOR AN ENDOSCOPIC PROCEDURE ~71:COSMO ARTIFICIAL INTELLIGENCE - AI LIMITED, Riverside II, Sir John Rogerson's, Quay, Ireland ~72: CHERUBINI, Andrea;NGO DINH, Nhan;SALVAGNINI, Pietro~ 33:US ~31:63/253,700 ~32:08/10/2021

2024/01592 ~ Complete ~54:2-AMINO-5,5-DIMETHYLHEXANOIC ACID DERIVATIVES AS SORTILIN MODULATORS FOR USE IN THE TREATMENT OF DISEASE OF THE CENTRAL NERVOUS SYSTEM ~71:Insusense ApS, Scherfigsvej 7, KØBENHAVN 2100 , DENMARK, Denmark ~72: CASES-THOMAS, Manuel Javier;KJØLBY, Mads Fuglsang;LITTLE, Paul Brian;NYKJÆR, Anders~ 33:EP ~31:21194937.5 ~32:03/09/2021

2024/01572 ~ Complete ~54:IDENTIFICATION AND SELECTION OF A PLANT STARTING MATERIAL OF A PLANT CHONDROITIN SULFATE AND HYALURONIC ACID, AND TRANSFORMATION OF SUCH PLANT STARTING MATERIAL TO OBTAIN INGREDIENTS FOR USE IN FOODS, SUPPLEMENTS, MEDICAL DEVICES OR DRUGS ~71:VIVATIS PHARMA GMBH, Grüner Deich 1-3, Germany ~72: BOS, Peter;CERANA, Giorgio Stefano~ 33:IT ~31:102019000008409 ~32:07/06/2019

2024/01575 ~ Complete ~54:BIDIRECTIONAL ENERGY STORAGE CONVERTER ~71:JINGTSING TECHNOLOGY LTD, Room 1003, 10th Floor, Building 1, Yard 5, Beihuang Muchang North Street, People's Republic of China ~72: GUAN, Eryong;JI, Ruiqiu~ 33:CN ~31:202111375171.9 ~32:19/11/2021;33:CN ~31:202122855326.0 ~32:19/11/2021

2024/01560 ~ Complete ~54:A DRAWING TABLET OPERATING FRAME FOR WEB DESIGN LAYOUT ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Mengyuan Yang;Mingming Cui;Nana Xie;Wanying Wu;Wenjin Ji~

2024/01563 ~ Complete ~54:A NEW MEDIA ADVERTISING SCROLL BAR ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Gengrui Li;Mengyuan Yang;Mingming Cui;Nana Xie;Wenjin Ji~

2024/01566 ~ Complete ~54:FLUID SHUT-OFF DEVICE ~71:VICTOR, Marius Riaan, Plot 186, Beyers Naude Drive, South Africa ~72: VICTOR, Marius Riaan;VICTOR, Ruben~ 33:ZA ~31:2023/05614 ~32:25/05/2023

2024/01576 ~ Complete ~54:CONJUGATED OLIGONUCLEOTIDES AND USES THEREOF ~71:BICYCLE TX LIMITED, Building 900 Babraham Research Campus, Cambridge, United Kingdom;IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: CARRER, Michele;OESTERGAARD, Michael;RIGBY, Michael;SETH, Punit, P.;SKYNNER, Michael;STANWAY, Steven;TANOWITZ, Michael;URBONAS, Liudvikas;VAN RIETSCHOTEN, Katerine~ 33:US ~31:63/250,135 ~32:29/09/2021;33:US ~31:63/340,130 ~32:10/05/2022

2024/01578 ~ Complete ~54:VINYL RECORD WITH INTEGRATED AUTHENTICITY ~71:CITIZEN DIGITAL INC., 14 O'henry Avenue, Asheville, United States of America ~72: MOORE, Sean;SCHAPER, Peter~ 33:US ~31:63/228,375 ~32:02/08/2021;33:US ~31:17816868 ~32:02/08/2022

2024/01583 ~ Complete ~54:ANTI-CGRP ANTIBODY DOSING AND SCREENING METHODS ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500 Valby, Denmark ~72: CARLTON ANDERSON;ELIZABETH BRUNNER;JOSEPH HIRMAN;ROGER K CADY~ 33:US ~31:63/244,466 ~32:15/09/2021

2024/01584 ~ Complete ~54:ENGINEERED NUCLEOSIDE DEOXYRIBOSYLTRANSFERASE VARIANT ENZYMES ~71:CODEXIS, INC., 200 Penobscot Drive, Redwood City, California, 94063, United States of America ~72: AGUSTINA RODRIGUEZ-GRANILLO;AKSINIYA LYUBENOVA PETKOVA;LILLIAN JASMINE MILLER;MARGIE TABUGA BORRA-GARSKE;MARK HUFFMAN;OSCAR ALVIZO~ 33:US ~31:63/232,725 ~32:13/08/2021

2024/01591 ~ Complete ~54:COMPOSITIONS AND METHODS USING IN-SITU COMPLEXATION OF AN EXOGENOUS MINERAL WITH MILK CASEIN IN LIQUID FORM ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: HOLST, Birgit;HUSNY, Joeska;SABATIER, Magalie~ 33:EP ~31:21188631.2 ~32:29/07/2021

2024/01582 ~ Complete ~54:ROOM-TEMPERATURE AND AMBIENT-PRESSURE SUPERCONDUCTING CERAMIC AND METHODS FOR PRODUCING THE SAME ~71:QUANTUM ENERGY RESEARCH CENTRE (Q-CENTRE), (Garak-dong) B1, 46-24 Songi-ro 23-gil, Republic of Korea ~72: KIM, Ji Hoon;KWON, Young-Wan;LEE, Suk-Bae~ 33:KR ~31:10-2022-0106812 ~32:25/08/2021;33:KR ~31:10-2022-0106845 ~32:25/08/2022

2024/01586 ~ Complete ~54:ANTI-THEFT LOCKING BOLT ASSEMBLY ~71:RIMGARD SWEDEN AB, Frösundaviks Allé 1, 16970, Solna, Sweden ~72: LARS IVARSSON;MARCUS EKSTRÖM~ 33:SE ~31:2150999-7 ~32:13/08/2021;33:US ~31:17/401,572 ~32:13/08/2021

2024/01590 ~ Complete ~54:HOME CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BENTOSA, Claudia;CEDOMIO ARMENTA, Marisol;GOMEZ, Renata;HERRERA LAZO DE LA VEGA, Mario Alejandro;MALDONADO ORTEGA, Jorge Antonio;RAMIREZ, Aldo;RIVERA CRUZ, Luis Javier;SALINAS, Sergio~ 33:US ~31:63/239,094 ~32:31/08/2021

2024/01593 ~ Complete ~54:SYSTEMS FOR INSTALLING ON A WIND TURBINE TOWER MOVING OBJECTS MONITORING DEVICES AND/OR MOVING OBJECTS COLLISION PREVENTION DEVICES ~71:ORFANOS, Vasileios, 18 Kanari Str, Chalandri, Greece ~72: ORFANOS, Vasileios~ 33:GR ~31:2010100503 ~32:26/07/2021

2024/01564 ~ Complete ~54:MOVABLE DUST TREATMENT DEVICE IN COAL MINE WORK ~71:Taiyuan University of Science and Technology, No.66, Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: HAO Hongde;LI Yuan;LIU Kai;PANG Jiewen;SUN Dali;SUN Xiaoyuan;WANG Hao;XIE Jianlin;YANG Jie~

2024/01571 ~ Complete ~54:TRI-SUPPLY SYSTEM FOR SOLAR PHOTOVOLTAIC/THERMAL AND GREEN HYDROGEN BUILDING APPLICATION ~71:NINGBO UNIVERSITY OF TECHNOLOGY, No.201, Fenghua Road, Jiangbei District, Ningbo, Zhejiang, 315021, People's Republic of China ~72: Benben Pan;Xiaoyu Lei;Xuemei Gong;Zhixin Zhang~ 33:CN ~31:2023216215686.0 ~32:26/06/2023

. - APPLIED ON 2024/02/23 -

2024/01594 ~ Provisional ~54:THE VERTICAL SHIELD AND BILLBOARD MICROGRIDS ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2024/01595 ~ Provisional ~54:AGES CONSTRUCTION HOLDINGS ~71:Thabiso, 19744 grassland 2, South Africa ~72: Thabiso~

2024/01600 ~ Complete ~54:MINING VEHICLE CALIBRATION ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: SNELLMAN, Olli;SVENSBERG, Ville~ 33:EP ~31:23158445.9 ~32:24/02/2023

2024/01602 ~ Complete ~54:METHODS FOR TREATING CHRONIC SPONTANEOUS URTICARIA BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America;SANOFI BIOTECHNOLOGY, 82 avenue Raspail, 94250 Gentilly, France ~72: AMIN, Nikhil;LAWS, Elizabeth;MANNENT, Leda;PATEL, Naimish;RADIN, Allen;STAUDINGER, Heribert;STJEPANOVIC, Aleksandra~ 33:US ~31:63/225,716 ~32:26/07/2021;33:US ~31:63/240,734 ~32:03/09/2021;33:US ~31:63/313,041 ~32:23/02/2022;33:EP ~31:22315049.1 ~32:04/03/2022;33:US ~31:63/353,654 ~32:20/06/2022

2024/01605 ~ Complete ~54:CRYSTALLINE FORM OF N-[4-[4-(4-MORPHOLINYL)-7H-PYRROLO[2,3-D]PYRIMIDIN-6-YL]PHENYL]-4-[[3(R)-[(1-OXO -2-PROPEN-1-YL)AMINO]-1-PIPERIDINYL]METHYL]-2-PYRIDINECARBOXAMIDE, AN IRREVERSIBLE MENIN-MLL INHIBITOR FOR THE TREATMENT OF CANCER ~71:BIOMEA FUSION, INC., 900 Middlefield Road, 4th Floor Redwood City, California 94063, United States of America ~72: ANGELINA SAU MAN WONG;BRIAN LAW;DANIEL LU;HEOW TAN;HONGYAN HE;JAMES T PALMER;NAN-HORNG LIN;PRIYANKA SOMANATH;SIYI JAING;TAISEI KINOSHITA;THOMAS BUTLER~ 33:US ~31:63/235,662 ~32:20/08/2021;33:US ~31:63/279,053 ~32:12/11/2021;33:US ~31:63/310,076 ~32:14/02/2022

2024/01607 ~ Complete ~54:NON-VOLATILE RESISTIVE RANDOM-ACCESS MEMORY AND A MANUFACTURING METHOD THEREOF ~71:UNIVERSITY OF SOUTH AFRICA, Preller Street Muckleneuk, Pretoria, 0002, South Africa ~72: SREEDEVI VALLABHAPURAPU;VIJAYA SRINIVASU VALLABHAPURAPU;ZOLILE WISEMAN DLAMINI~ 33:ZA ~31:2021/06263 ~32:30/08/2021

2024/01611 ~ Complete ~54:INHIBITORS OF NLRP3 ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: ANTHONY TURPOFF;BRADLEY B GILBERT;EDUARDO HUARTE;ERICA N PARKER;ETTORE RASTELLI;HANDOKO -;HUA GONG;JING LI;KYLE NIEDERER;LAUREN BEJCEK;MATTHEW G WOLL;MEENU PILLAI;NADIYA SYDORENKO;NANJING ZHANG;RAUFUL ALAM;SCOTT J BARRAZA;SEYEDMORTEZA HOSSEYNI;TIANYI ZHENG;WOOHYUNG JEON;XIAOYAN ZHANG;YAN ZHANG;YAO LIU~ 33:US ~31:63/237,049 ~32:25/08/2021;33:US ~31:63/311,463 ~32:18/02/2022

2024/01622 ~ Complete ~54:METHOD OF ENHANCING GENE THERAPY BY TARGETING CGAS-STING PATHWAY ~71:Spark Therapeutics, Inc., 3737 Market Street, Ste. 1300, PHILADELPHIA 19104, PA, USA, United States of America ~72: ANGUELA, Xavier;CEJAS, Pedro;NAHVI, Ali;YAZICIOGLU, Mustafa;ZHANG, Rui~ 33:US ~31:63/203,451 ~32:23/07/2021

2024/01598 ~ Complete ~54:AN AUTOMATED LIFTING DEVICE AND PROCESS FOR BULK MATERIALS ~71:Taiyuan University of Science and Technology, 66 Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Cui Jiajin;Jia Guoqiang;Liu Shifu;Wang Wenhao;Wang Yueqi;Xu Mingjun~ 33:CN ~31:2024101325979 ~32:31/01/2024

2024/01609 ~ Complete ~54:SOLID FORMS OF SPIROTRICYCLIC APOL1 INHIBITORS AND METHODS OF USING SAME ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ALES MEDEK;ANDREY PERESYPKIN;CHARLENE TSAY;COURTNEY K MAGUIRE;JUSTIN TEESDALE;KEVIN BRETT DANIEL;KEVIN JAMES GAGNON;LORI

ANN FERRIS;MEI-HSIU LAI;MICHAEL DAVID JUDELSON;PETER JAMISON ROSE;STEPHEN W LAWS;YI SHI~ 33:US ~31:63/237,248 ~32:26/08/2021;33:US ~31:63/306,831 ~32:04/02/2022;33:US ~31:63/315,936 ~32:02/03/2022

2024/01606 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTORS (CAR) FOR B CELL MALIGNANCIES ~71:CELLOGEN THERAPEUTICS PVT. LTD., C57Y3, C Block, Dilshad Garden, Shahdara, Delhi, 110095, India ~72: GAURAV KHARYA~ 33:IN ~31:202111035166 ~32:12/08/2021

2024/01614 ~ Complete ~54:TANK AND SILO SYSTEM ~71:Permastore Limited, Airfield Industrial Park, EYE IP23 7HS, UNITED KINGDOM, United Kingdom ~72: BROOK, Johnathon;CUTRI, Frank;GARE, Andrew~ 33:GB ~31:2112120.7 ~32:24/08/2021

2024/01618 ~ Complete ~54:PROCESS FOR SYNTHESIZING NAPHTHYRIDINE DERIVATIVES AND INTERMEDIATES THEREOF ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: ARUNACHALAMPILLAI, Athimoolam;CROCKETT, Richard David;FAGER, Diana Catherine;FARRELL, Robert P.;JOHNSON, Heather Claire;JUDD, Ted Charles;LANGILLE, Neil Fred;ORTIZ, Adrian;ROBINSON, Joanna;WEI, Carolyn S.;YAMAMOTO, Kumiko;ZHANG, Liang~ 33:US ~31:63/238,337 ~32:30/08/2021;33:US ~31:63/354,464 ~32:22/06/2022

2024/01603 ~ Complete ~54:LPAR1 ANTAGONISTS AND USES THEREOF ~71:CONTINEUM THERAPEUTICS, INC., 10578 Science Center Drive, Suite 200, San Diego, California, 92121, United States of America ~72: AUSTIN CHIH-YU CHEN;JEFFREY ROGER ROPPE;LINO VALDEZ;THOMAS SCHRADER;YIFENG XIONG~ 33:US ~31:63/229,858 ~32:05/08/2021

2024/01601 ~ Complete ~54:HEAT EXCHANGER CLOSURE ASSEMBLIES AND METHODS OF USING AND INSTALLING THE SAME ~71:Lummus Technology LLC, 1515 Broad Street, BLOOMFIELD 07003, NJ, USA, United States of America ~72: BOEKHOUDER, Henk;BRIGNONE, Vincenzo Marco;CREECH, David;EBERLY, Randy;GROPPI, Robert;JAYE, Trevor;JIBB, Richard;MEACHAM, Elizabeth~ 33:US ~31:62/645,662 ~32:20/03/2018

2024/01612 ~ Complete ~54:METHODS FOR TREATING DIABETIC KIDNEY DISEASE AND GLOMERULAR DISEASE ~71:NEPHRIS SRL, Via V. Gioberti 8, 20123, Milano, Italy ~72: FRANCESCA D'ADDIO;PAOLO FIORINA~ 33:US ~31:63/226,125 ~32:27/07/2021;33:US ~31:63/302,460 ~32:24/01/2022

2024/01621 ~ Complete ~54:AEROSOL-GENERATING MATERIAL ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: PHILLIPS, Jeremy;WHITLEY, Alexander~ 33:GB ~31:2112173.6 ~32:25/08/2021

2024/01613 ~ Complete ~54:PERSONAL CARE COMPOSITIONS CONTAINING POST-BIOTIC BLENDS FOR REBALANCING SKIN MICROBIOME ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: BOYD, Thomas;CHUNG, Stephy Qianwen;DENNIS, Mavis;FAN, Aixing;KHAN, Amira;LI, Min;MAO, Junhong;SHAHANI, Komal;SOLIMAN, Nadia~ 33:US ~31:63/239,624 ~32:01/09/2021

2024/01617 ~ Complete ~54:SPIRO INDOLINE INHIBITORS OF KIF18A ~71:Volastra Therapeutics, Inc., 1361 Amsterdam Avenue, Suite 520, NEW YORK 10027, NY, USA, United States of America ~72: COGAN, Derek A.~ 33:US ~31:63/237,275 ~32:26/08/2021;33:US ~31:63/306,452 ~32:03/02/2022;33:US ~31:63/344,435 ~32:20/05/2022

2024/01610 ~ Complete ~54:THIADIAZOLONE DERIVATIVES USEFUL AS AMPK ACTIVATOR ~71:BETAGENON AB, Västra Strandgatan 9B, 903 26, Umeå, Sweden ~72: JACOB WESTMAN;THOMAS EDLUND~ 33:GB ~31:2112529.9 ~32:02/09/2021

2024/01616 ~ Complete ~54:MINERAL SAND PARTICULATE PROCESSING ~71:Australian Nuclear Science And Technology Organisation, New Illawarra Road, LUCAS HEIGHTS 2234, NEW SOUTH WALES, AUSTRALIA, Australia;Iluka Resources Limited, Level 17, 240 St Georges Terrace, PERTH 6000, WESTERN AUSTRALIA, AUSTRALIA, Australia ~72: BERNARD, Nick;BULTITUDE-PAULL, John;DEMOL, John;GOUGH, Ian;GRIFFITH, Chris;MANIS, Adrian;ROPER, Adam~ 33:AU ~31:2021221762 ~32:25/08/2021;33:AU ~31:2022901205 ~32:06/05/2022

2024/01599 ~ Complete ~54:AN AUXILIARY POWER SUPPLY ~71:MDAKA, Mpimo, Archibald, 2122 BEHAUNIA ESTATE, KIEPERSOL AVENUE, DUVHA PARK, WITBANK, 1034, South Africa ~72: MDAKA, Mpimo, Archibald~ 33:ZA ~31:2023/03189 ~32:01/03/2023

2024/01597 ~ Complete ~54:SOH EVALUATION METHOD FOR MINING LITHIUM-ION BATTERIES ~71:ANHUI UNIVERSITY OF SCIENCE & TECHNOLOGY, No. 168, Taifeng Street, Shannan New District, Huainan City, Anhui Province, 232063, People's Republic of China;HUAINAN NORMAL UNIVERSITY, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: CAI Feng;FENG Juqiang;HUANG Kaifeng;WANG Lu;ZHANG Shaoning;ZHANG Xing~

2024/01604 ~ Complete ~54:ANTI-RELATED-TO-RECEPTOR TYROSINE KINASE (RYK) ANTIBODIES AND USES THEREOF ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street, 12th Floor, Oakland, California, 94607-5200, United States of America ~72: GEORGE F WIDHOPF II;THOMAS J KIPPS~ 33:US ~31:63/234,527 ~32:18/08/2021

2024/01615 ~ Complete ~54:SULFUR-CROSSLINKABLE RUBBER COMPOSITION CONTAINING ORGANIC FILLERS AND ORGANOSILANE ~71:SunCoal Industries GmbH, Rudolf-Diesel-Straße 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: PODSCHUN, Jacob;SCHMAUCKS, Gerd;SCHWAIGER, Bernhard;STÜCKER, Alexander;WITTMANN, Tobias~ 33:EP ~31:21199587.3 ~32:28/09/2021

2024/01608 ~ Complete ~54:IMPROVED FLOW SYNTHESIS ~71:BAE SYSTEMS PLC, 6 Carlton Gardens, London, SW1Y 5AD, United Kingdom ~72: ANDY ODEN BURN;CHRISTOPHER JONES;DANIEL JUBB;IAN EWART PATERSON MURRAY;MATTHEW PAUL DIDSBURY;NIALL JOHN MCWHIR;NICOLA KENNEDY;STUART KENNEDY~ 33:GB ~31:2112498.7 ~32:02/09/2021

2024/01619 ~ Complete ~54:ANTI-HER2 ANTIBODIES AND METHODS OF USE THEREOF ~71:Denali Therapeutics Inc., 161 Oyster Point Blvd., SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BANDYOPADHYAY, Abira;CLEMENS, Allisa Jayne;KIM, Do Jin;PIZZO, Michelle E.;SHAN, Lu;THÉOLIS JR., Richard;TONG, Raymond Ka Hang~ 33:US ~31:63/237,104 ~32:25/08/2021

2024/01620 ~ Complete ~54:FABRICATION METHOD FOR STEEL THIN-WALLED TAILOR-WELDED PART AND HOT-STAMPED PART PREPARED USING TAILORED-WELDED PART ~71:Baoshan Iron & Steel Co., Ltd., No.885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: JIANG, Haomin;LEI, Ming;LIU, Chengjie;PAN, Hua;SUN, Zhongqu;WANG, Shuyang;WU, Tianhai;WU, Yue~ 33:CN ~31:202110980317.6 ~32:25/08/2021

2024/01596 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR PREVENTING AND TREATING CORONARY ARTERY LESION OF KAWASAKI DISEASE ~71:Shaanxi Provincial People's Hospital, 256 Youyi West Road, Xi'an City, Shaanxi Province, People's Republic of China ~72: Feng Jianying;GAO

Ying;Gao Na;HAN Wei;Han Tiantian;JIAO Fuyong;Li Rui;MU Zhilong;NIU Qian;WANG Juyan;WANG Xia;YAN Xianpeng;YAN Xiaohua;ZHANG Xipin~

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

No records available

CHANGE OF NAME IN TERMS OF REGULATION 39

No records available

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

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

No records available

APPLICATION FOR A 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 **SENSIENT NATURAL EXTRACTION INC.,** whose address for service is **DM KISCH INC, PRETORIA** has applied to the registrar for the restoration of Patent No **2014/07064** entitled **PRESSURIZED LOW POLARITY WATER EXTRACTION APPARATUS AND METHODS OF USE**, dated **29/09/2014**, which lapsed on **29/09/2021** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **JOINT STOCK COMPANY ROSENERGOATOM AND JOINT STOCK COMPANY SCIENCE AND INNOVATIONS,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2020/00021** entitled **ASSEMBLY FOR THE ELECTROCHEMICAL DECONTAMINATION OF METALLIC RADIOACTIVE WASTE**, dated **28/08/2018**, which lapsed on **28/08/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

Notice is hereby given that **NANOPTEK CORPORATION,** whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2013/09549** entitled **VISIBLE LIGHT**

TITANIA PHOTOCATALYST, dated **19/05/2012**, which lapsed on **19/05/2023** 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 **JPL TRADING,** whose address for service is **JEFFREY THAELO SEBAPE, GARSFONTEIN** has applied to the registrar for the restoration of Patent No **2010/01983** entitled **FLAGPOLE MOULDING**, dated **22/08/2008**, which lapsed on **22/08/2011** 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 **JOINT STOCK COMPANY"TVEL", JOINT STOCK COMPANY "MASHINOSTROITELNY ZAVOD"** whose address for service is **VON SEIDELS, CAPE TOWN** has applied to the registrar for the restoration of Patent No **2019/07837** entitled **NUCLEAR REACTOR FUEL ASSEMBLY**, dated **28/12/2017**, which lapsed on **30/09/2022** owing to the non-payment of the prescribed renewal fee.

Any person may oppose the restoration of the patent by lodging form P19 within two months of the date of this advertisement.

THE PATENTS ACT, No. 57 OF 1978

VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT

No records available

APPLICATION FOR CORRECTION IN TERMS OF SECTION 50

Applicant: TAISHO PHARMACEUTICAL CO., LTD. 24-1, Takada 3-chome, Toshima-ku, Tokyo, 1708633 Japan. Request permission to correct or to amend any patent, application for a patent or document lodged in pursuance of such application or in the register of Patent no: **2022/05158** a filing date of **10 May 2022** entitled **POLYPEPTIDE HAVING MMP2-INHIBITORY.**

A copy of the original application on which the proposed correction or amendment is indicated in red, is now available for inspection at the Patent Office.

Any notice of opposition (on form no. 19) must be lodged at the Patent Office within 2 months from the date hereof.

Registrar of Patents

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: GUARDIAR SOUTH AFRICA (PTY) LTD Units B6 - B10, Berg Rivier Park Dal Josafat, Paarl 7646 Western Cape. Request permission to amend the specification of letters patent no: **2020/02982** of **21/05/2020** for **FENCING CLAMP AND FENCING ASSEMBLY**.

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: AIM IP (PTY) LIMITED 15 Diamant Street Extension 4 2210 Delmas. Request permission to amend the specification of letters patent no: **2011/08840** of **01/12/2011** for **FAIL-SAFE BRAKE SYSTEM**.

A copy of the original specification on which the proposed amendment is indicated in red, is now available for public inspection at the Patent Office.

Any notice of opposition (on Patent Form 19) must be lodged at the Patent Office within two months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

A complete specification may, after acceptance is advertised, be inspected during office hours at the Patent Office, Pretoria, at a charge of **R4, 00.** Please note, that in terms of section 43 (3) if the acceptance of an application which claims priority in terms of section 31 (1) (c) is not published in terms of section 42 within 18 months from the earliest priority claimed from the relevant application in a convention country, it shall be opened to public inspection after the expiration of 18 months from the earliest priority so claimed.

COPIES OF DOCUMENTS

The Patent Office, Private Bag X400, Pretoria, supplies copies of all patent and trade mark documents at the following rate:

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

Complete specifications in respect of the under mentioned applications for letters Patent have been accepted by the Registrar of Patents.

THE PATENTS ACT, 1978 (ACT NO. 57 OF 1978)

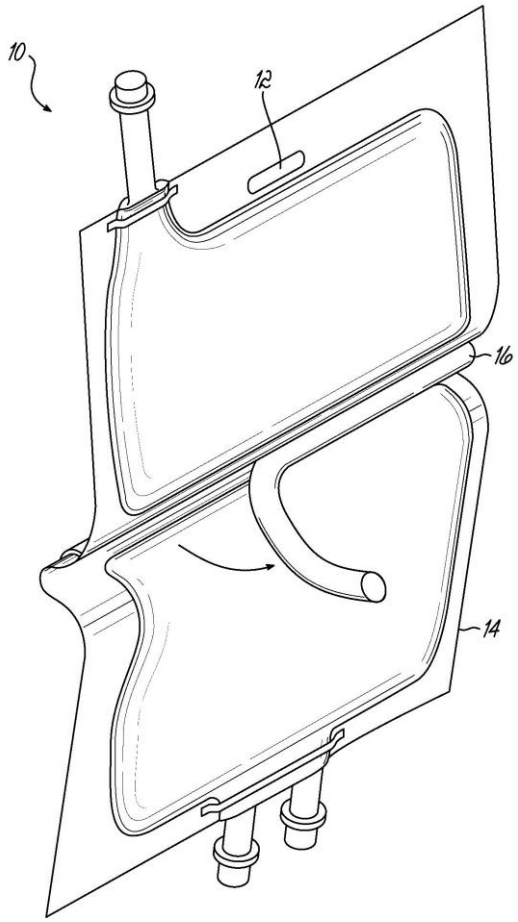
In terms of section 42 (b) of the Patents Act, 1978, a patent shall be deemed to have been sealed and granted as from the date of publication of the acceptance.

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

Registrar of Patents

21: 2015/04103. 22: 2015/06/08. 43: 2023/12/18
51: A01N
71: Somahlution, LLC
72: SURYAN, Mahendra, MENON, Satish
33: US 31: 61/848,350 32: 2012-12-31
33: US 31: 61/848,349 32: 2012-12-31
54: ORGAN AND TISSUE PRESERVATION FORMULATIONS WITH INCREASED STABILITY AND SHELF LIFE
00: -

Organ and tissue preservation formulations with improved stability shelf life are provided by separating the formulation into a first solution having a pH of at least 7 and a second solution having a pH of less than 7. The first solution includes components with improved stability when stored at a pH of 7 or above, and the second solution includes components with improved stability when stored at a pH below 7. The first solution includes water, a balanced salt solution, a sugar, adenosine, orotic acid, malic acid, L-carnitine, and insulin. The second solution includes water, an antioxidant such as ascorbic acid, a cellular reducing agent such as reduced glutathione, L-citrulline, creatine monohydrate, L-carnosine, and L-arginine. During use, the first and second solutions are mixed to form a final formulation that can be used at a physiological pH to preserve the function of the tissue or organ.

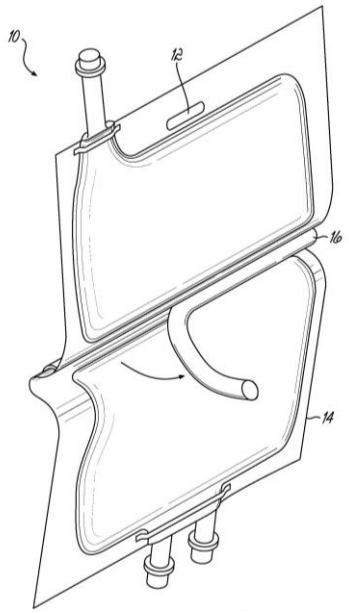


21: 2015/04284. 22: 2015/06/12. 43: 2023/12/18
51: A01N; A61K
71: Somahlution, LLC
72: SURYAN, Mahendra, MENON, Satish
33: US 31: 61/848,350 32: 2012-12-31
33: US 31: 61/848,349 32: 2012-12-31

54: SOLUTION FOR PRESERVING VASCULAR CONDUITS

00: -

Organ and tissue preservation formulations with improved stability shelf life are provided by separating the formulation into a first solution having a pH of at least 7 and a second solution having a pH of less than 7. The first solution includes components with improved stability when stored at a pH of 7.0 or above, and the second solution includes components with improved stability when stored at a pH below 7.0. The first solution includes water, a balanced salt solution, a sugar, and L-arginine at a pH of at least 7.0. The second solution includes water, ascorbic acid, and reduced glutathione at a pH of less than 7.0 and preferably from pH 6.9 to about pH 2.8. During use, the first and second solutions are mixed to form a final formulation that can be used at a physiological pH to preserve the function of the tissue or organ.

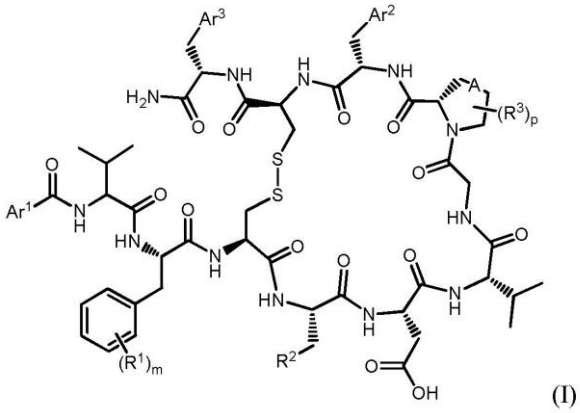


21: 2017/04249. 22: 2017/06/22. 43: 2023/12/11
51: A61K; A61P; C07D; C07K
71: Ferring B.V.
72: WISNIEWSKI, Kazimierz, JIANG, Guangcheng, RABINOVICH, Aleksandr K, SUEIRAS-DIAZ, Javier J
33: US 31: 62/100,371 32: 2015-01-06

54: CGRP ANTAGONIST PEPTIDES

00: -

This disclosure relates to compounds of formula (I) or a pharmaceutically acceptable salt thereof: in which m, p, A, Ar^1, Ar^2, Ar^3, R^1, R^2, and R^3 are defined in the specification. The compounds of formula (I) can be used as CGRP antagonists and can be used to treat migraine.



(I)

21: 2017/05290. 22: 2017/08/04. 43: 2023/11/30
51: E21B; E21C
71: Sandvik Intellectual Property AB
72: GAO, Alex, XING, Andy, NG, Philip Chun Yu
33: CN 31: 201610702710.8 32: 2016-08-22

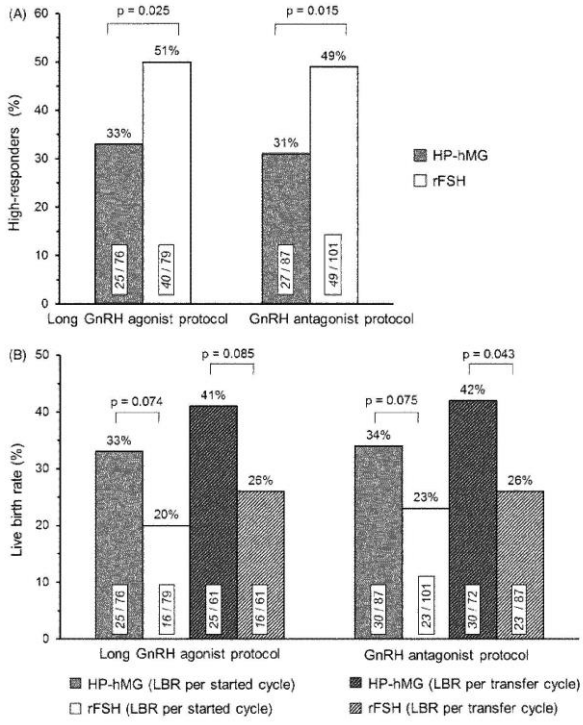
54: UNDERGROUND DRILL MACHINE AND DUST COLLECTING HEAD, ASSEMBLY AND THE METHOD FOR COLLECTING DUST

00: -

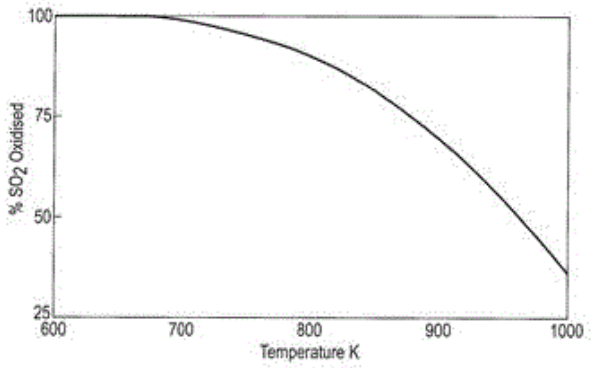
The present invention relates to a dust collecting head assembly of an underground drill machine, which is used for supporting the dust collecting head. Dust collecting head assembly includes a stabilizing rod, a hydraulic system, fastening parts and a bracket. The stabilizing rod comprises a top portion, at least a part of which is movably mounted on the drilling module of the underground drill machine, and is used for standing against the working surface of the underground mine when drilling, so as to stabilize the drilling module. The hydraulic system provides power for movements of the stabilizing rod. When the top portion of the

stabilizing rod moves to a position that the upper surface of the top portion reaches the working surface of the underground mine, the hydraulic system can hold the top portion at the corresponding position. The fastening member is fixed on the dust collecting head. The bracket has two opposite ends, one end is fixed on the top of the stabilizer bar, and the other end is fixed on the fastening member. Stabilizing rod holds the dust collecting head by the fastening member and the bracket.

21: 2017/05489. 22: 2017/08/14. 43: 2023/11/29
51: A61K; A61P; C12N
71: Ferring B.V.
72: ARCE SAEZ, Joan-Carles, RUMAN, Jane
33: US 31: 62/121,113 32: 2015-02-26
33: US 31: 62/121,131 32: 2015-02-26
54: METHODS OF TREATING INFERTILITY
00: -
The present invention relates to improved assisted reproductive technology using highly purified menotropin (HP-hMG) to stimulate follicle development in controlled ovarian stimulation, particularly in women at risk of a high ovarian response to controlled ovarian stimulation.



21: 2017/06799. 22: 2017/10/09. 43: 2023/12/13
51: B01J
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: GRAY, JULIAN STUART
33: GB 31: 1506572.5 32: 2015-04-17
54: PROCESS
00: -
A reactor having a shell comprising: one or more reactor tubes located within the shell, said reactor tube or tubes comprising a plurality of catalyst receptacles containing catalyst; means for providing a heat transfer fluid to the reactor shell such that the heat transfer fluid contacts the tube or tubes; an inlet for providing reactants to the reactor tubes; and an outlet for recovering products from the reactor tubes; wherein the plurality of catalyst receptacles containing catalyst within a tube comprises catalyst receptacles containing catalyst of at least two configurations.



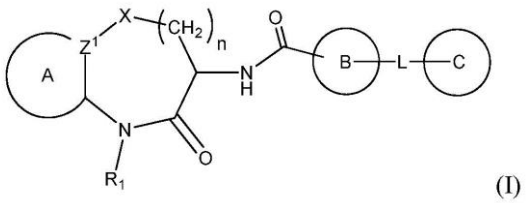
21: 2017/07018. 22: 2017/10/17. 43: 2023/12/13
51: G01N; C12N
71: EDITAS MEDICINE, INC.
72: JAYARAM, HARIHARAN, SELLECK, WILLIAM JR
33: US 31: 62/152,473 32: 2015-04-24
54: EVALUATION OF CAS9 MOLECULE/GUIDE RNA MOLECULE COMPLEXES
00: -
Disclosed herein are methods for evaluation, selection, optimization, and design of Cas9 molecule/gRNA molecule complexes.

21: 2017/07812. 22: 2017/11/17. 43: 2023/12/05
51: A61K; A61P; C07D
71: F. Hoffmann-La Roche AG
72: PATEL, Snahel, HAMILTON, Gregory, STIVALA, Craig, CHEN, Huifen, ZHAO, Guiling
33: US 31: 62/188,153 32: 2015-07-02

54: BICYCLIC LACTAMS AND METHODS OF USE THEREOF

00: -

The invention provides novel compounds having the general formula I: (I) wherein R^1, X, Z^1, L, n, the A ring, the B ring, and the C ring are as described herein, pharmaceutical compositions including the compounds and methods of using the compounds.



(I)

21: 2017/07816. 22: 2017/11/17. 43: 2024/01/31
51: C07K
71: AMGEN RESEARCH (MUNICH) GMBH, AMGEN INC.
72: BENNO RATTEL, Tobias RAUM, Peter KUFER, Doris RAU, Jonas ANLAHR, Claudia BLUEMEL, Patrick HOFFMANN, Elisabeth NAHRWOLD, Julie BAILIS, Markus MUENZ, Johannes BROZY, Matthias FRIEDRICH, Andreas WOLF, Cornelius POMPE, Pamela BOGNER
33: US 31: 62/199,939 32: 2015-07-31
33: US 31: 62/290,861 32: 2016-02-03

54: BISPECIFIC ANTIBODY CONSTRUCTS BINDING MESOTHELIN AND CD3

00: -

The present invention relates to a bispecific antibody construct comprising a first binding domain which binds to human MSLN on the surface of a target cell and a second binding domain which binds to human CD3 on the surface of a T cell. Moreover, the invention provides a polynucleotide encoding the antibody construct, a vector comprising said polynucleotide and a host cell transformed or transfected with said polynucleotide or vector. Furthermore, the invention provides a process for the production of the antibody construct of the invention, a medical use of said antibody construct and a kit comprising said antibody construct.

21: 2018/00326. 22: 2018/01/17. 43: 2024/01/24
51: B44C; E04F
71: KNAUF GIPS KG
72: KLAPPERSTÜCK, Stephan, WILLING, Tobias
33: DE 31: 10 2015 011 664.9 32: 2015-09-11

54: DECORATIVE BUILDING BOARD AND METHOD FOR PRODUCING SUCH A BUILDING BOARD

00: -

The invention relates to a method for the automated decoration of a building board, comprising at least one smoothing compound layer and preferably at least one colour coat. The method comprises the steps of smoothing and decorating the building board, wherein the smoothing includes the steps of (i) calibrating the building board to a nominal thickness, so that a surface of the building board has a height difference of at most 1 mm, (ii) applying a layer of a smoothing compound, (iii) pressing the smoothing compound into the surface structures of the building board, and (iv) recalibrating to the nominal thickness. Preferably, a plurality of smoothing compound layers are pressed into a calibrated surface of the building board and partially ground away again. The method is particularly well suited for the production of fire-resisting building boards.

21: 2018/01852. 22: 2018/03/20. 43: 2023/08/16
51: A61K; C07K
71: LES LABORATOIRES SERVIER
72: GALLER, Gunther, GAD, Monika, KOEFOED, Klaus, BOUQUIN, Thomas, KRAGH, Michael, PEDERSEN, Mikkel, HORAK, Ivan, D.
33: US 31: 62/236,341 32: 2015-10-02

54: ANTI-PD-1 ANTIBODIES AND COMPOSITIONS

00: -

This invention relates to anti-PD-1 antibodies and methods of using them in treating diseases and conditions related to PD-1activity, e.g., cancer.

21: 2018/02657. 22: 2018/04/20. 43: 2023/12/18
51: A61K; C07H
71: Metro International Biotech, LLC
72: CARR, Andrew, FERNANDES, Philippe, LIVINGSTON, David, J.
33: US 31: 62/236,657 32: 2015-10-02

54: CRYSTAL FORMS OF BETA-NICOTINAMIDE MONONUCLEOTIDE

00: -

The invention relates to crystalline forms of a ß-nicotinamide mononucleotide, methods of their preparation, and related pharmaceutical preparations thereof. The invention also relates to

preparations suitable for nutraceutical, veterinary, and agriculturally-relevant uses.

21: 2018/04565. 22: 2018/07/09. 43: 2023/12/05
51: A61K; C07K
71: NeoTX Therapeutics Ltd.
72: NATHAN, Asher, SHAHAR, Michal
33: US 31: 62/276,955 32: 2016-01-10
54: IMMUNOPOTENTIATOR ENHANCED SUPERANTIGEN MEDIATED CANCER IMMUNOTHERAPY
00: -
The invention provides methods or compositions for enhancing the potency of a targeted cancer immunotherapy in a subject by using a superantigen in combination with an immunopotentiator (for example, a PD-1 inhibitor).

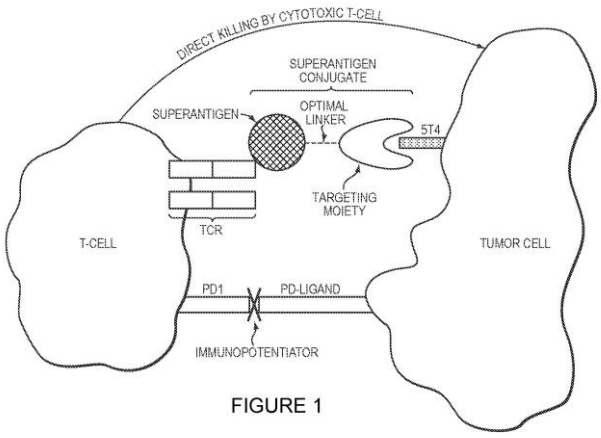


FIGURE 1

21: 2018/05410. 22: 2018/08/14. 43: 2023/12/12
51: E21B
71: Globaltech Corporation Pty Ltd
72: HEJLEH, Khaled Mufid Yousef
33: AU 31: 2016900518 32: 2016-02-15
54: DOWNHOLE SURVEYING AND CORE SAMPLE ORIENTATION SYSTEMS, DEVICES AND METHODS
00: -
A method and system for obtaining orientation of a core sample core drilled from underlying rock. A core orientation recording device (116) records its orientation at random and/or non-predetermined time intervals from a reference time during a drilling operation. The time intervals are generated to be within a range of minimum and maximum time intervals. After a time interval elapsed from the reference time plus a wait time of at least the minimum random or non- predetermined time interval, the core sample is separated from the underlying rock and brought to the surface and its original orientation is determined from orientation data recorded closest in time to the elapsed time plus the minimum time interval. A remote communicator (160) having the elapsed time interrogates the core orientation recordal device (116) to identify the required orientation data and requires the core orientation recordal device to identify a correct orientation of the core sample.

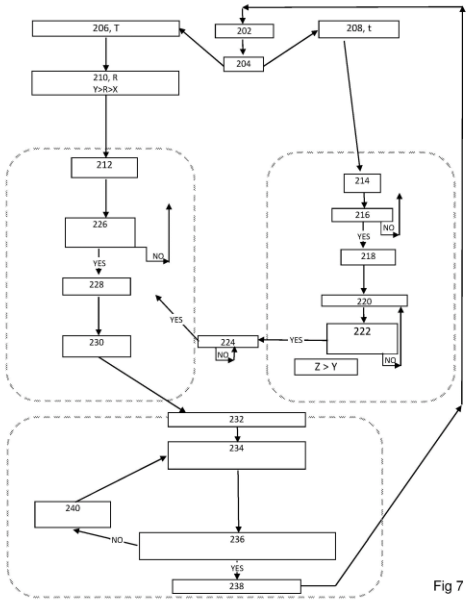


Fig 7

21: 2018/06192. 22: 2018/09/14. 43: 2024/02/06
51: C22B
71: CYCLADEX INC.
72: PETTMAN, Roger Bruce, ARNOLD, Dale F.
33: US 31: 62/309,601 32: 2016-03-17
54: RECOVERY OF PRECIOUS AND RARE EARTH METALS USING CYCLODEXTRIN
00: -
This invention relates to methods for the recovery of precious metals such as gold, silver, platinum, palladium and rare earths from precious metal-bearing materials. In particular, a method of purifying precious metal from a precious metal- bearing material comprising the steps a) forming an aqueous acidic oxidant mixture from hydrogen peroxide an acid and a source of bromide ion, said acidic oxidant mixture having a pH in the range 0 to 6; b) contacting the acidic oxidant mixture with the precious metal bearing- material to oxidise the metal

and form a metal bromide salt solution containing the metal bromide MBrn and/or $MBrn_{+r}$ where n is the valency of the oxidised metal ion M^{n+}; c) controlling the metal bromide salt solution to a value in the range 3 - 7 by providing alkali metal ions A+ in the solution to form an alkali metal/metal bromide solution containing the salt $AMBrn_{+i}$ in solution; d) adding cyclodextrin to the alkali metal/metal bromide solution to precipitate a metal cyclodextrin complex; and e) recovering the metal cyclodextrin complex.

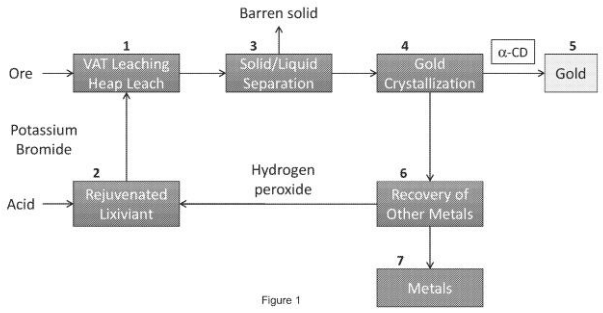


Figure 1

21: 2018/06263. 22: 2018/09/18. 43: 2024/02/06
51: F02C
71: 8 RIVERS CAPITAL, LLC
72: FETVEDT, Jeremy Eron
33: US 31: 62/300,504 32: 2016-02-26
54: SYSTEMS AND METHODS FOR CONTROLLING A POWER PLANT
00: -
The present disclosure relates to systems and methods that are useful in control of one or more aspects of a power production plant. More particularly, the disclosure relates to power production plants, methods of starting power production plants, and methods of generating power with a power production plant wherein one or more control paths are utilized for automated control of at least one action. The present disclosure more particularly relates to power production plants, control systems for power production plants, and methods for startup of a power production plant.

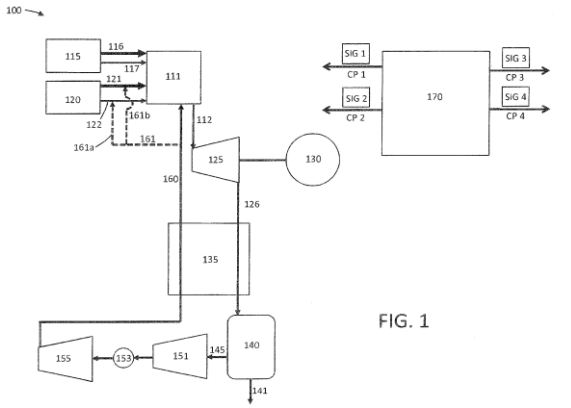


FIG. 1

21: 2018/06611. 22: 2018/10/04. 43: 2023/12/13
51: C12Q; C12N
71: UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG
72: KANA, BAVESH DAVANDARA, MACHOWSKI, EDITH ERIKA
33: ZA 31: 2016/02181 32: 2016-03-31
54: GENETICALLY MODIFIED STRAINS OF MYCOBACTERIUM SMEGMATIS
00: -
The present invention relates to a recombinant bacterium based on a non-pathogenic bacterium that has a modified genome containing a nucleic acid of interest from a pathogen that is detected by a molecular diagnostic assay and that mimics the diagnostic profile of the pathogen. The invention further relates to a diagnostic control composition comprising the recombinant bacterium and to methods for producing the recombinant bacterium. The recombinant bacterium is a safe, reliable quality control for the detection of pathogens such as Mycobacterium tuberculosis and Staphylococcus aureus. The invention also relates to a kit comprising either the recombinant bacterium, compositions containing the recombinant bacterium or bacteria produced according to the method of the invention.

21: 2018/06631. 22: 2018/10/05. 43: 2024/02/06
51: B02C
71: METSO USA INC.
72: POLINSKI, Donald J.
33: US 31: 15/137,527 32: 2016-04-25
54: SPIDER BUSHING ASSEMBLY FOR A GYRATORY CRUSHER
00: -

A gyratory crusher and a spider bushing assembly for supporting a spider bushing within the central hub of a gyratory crusher. The spider bushing assembly includes a spider bushing and a means for adjusting the distance between the outer flange of the spider bushing and a support shoulder formed within the central hub of the spider. The means for adjusting allows the position of the spider bushing within the internal bore of the central hub to change while maintaining an interference fit as a result of wear following use of the gyratory crusher. In one embodiment, one or more annular shims are positioned between the bearing support shoulder of the central hub and the outer flange of the spider bushing. Upon wear, one or more of the shims can be removed to improve the interference fit between the spider bushing and the internal bore formed within the central hub.

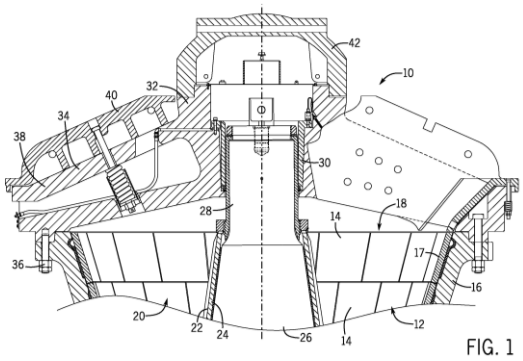


FIG. 1

21: 2018/06750. 22: 2018/10/10. 43: 2023/12/18
51: B21F
71: MBK Maschinenbau GmbH
72: PFENDER, Albert
33: DE 31: 10 2016 108 098.5 32: 2016-05-02
54: DEVICE FOR PRODUCING REINFORCEMENTS
00: -
The invention relates to a device (2) for producing reinforcements, in particular reinforcing baskets for concrete pipes having bell-shaped ends, comprising an expanding device (20), which has a single expanding slider (11), wherein the expanding slider is designed to change a radial position of an associated actuating element (15) for the longitudinal wire of the reinforcement via a transmission means (13) of the expanding device, in particular during the production process of the reinforcement. The device is characterized by the fact that the expanding device has a shaping slider (12), wherein an actuating drive is provided to move the shaping slider, and wherein the actuating drive is supported on the expanding slider for a linear movement of the shaping slider with respect to the expanding slider.

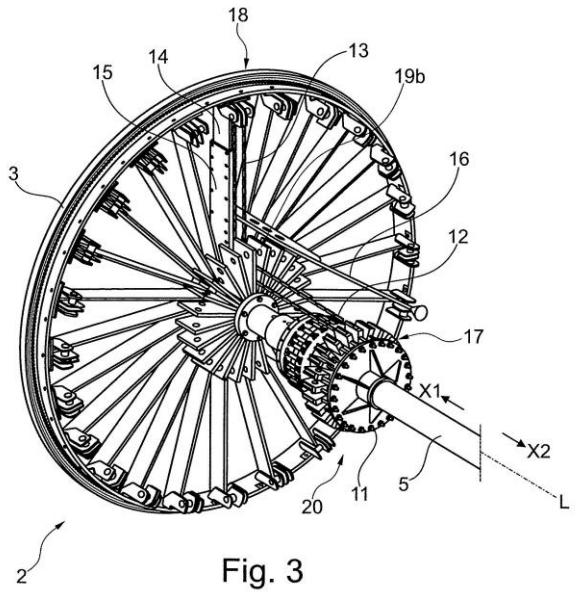


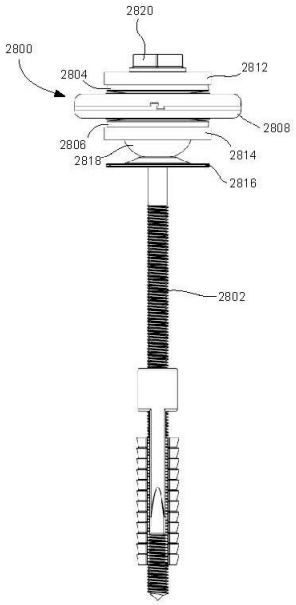
Fig. 3

21: 2018/07256. 22: 2018/10/30. 43: 2023/12/13
51: C07D; A61K; A61P
71: BLUEPRINT MEDICINES CORPORATION
72: BROOIJMANS, NATASJA, BRUBAKER, JASON D, CRONIN (DECEASED), MARK , FLEMING, PAUL E, HODOUS, BRIAN L, KIM, JOSEPH L, WAETZIG, JOSH, WILLIAMS, BRETT, WILSON, DOUGLAS, WILSON, KEVIN J
33: US 31: 62/411,172 32: 2016-10-21
33: US 31: 62/322,948 32: 2016-04-15
54: INHIBITORS OF ACTIVIN RECEPTOR-LIKE KINASE
00: -
Described herein are compounds that inhibit ALK2 and its mutants, pharmaceutical compositions including such compounds, and methods of using such compounds and compositions.

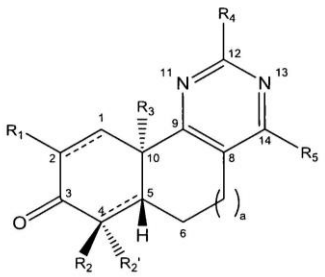
21: 2018/07315. 22: 2018/10/31. 43: 2023/12/13
51: A01N
71: ADAMA MAKHTESHIM LTD.
72: MACHADO, SILVIO LUIZ, BENETTI, ERNESTO, COLLA, LUIZ FERNANDO

33: US 31: 62/456,175 32: 2017-02-08
33: US 31: 62/340,610 32: 2016-05-24
54: OIL LIQUID FUNGICIDAL FORMULATION
00: -
A fungicidal oil liquid formulation comprising: a) at least one dithiocarbamate fungicide; b) at least one co-fungicide selected from the group consisting of triazole fungicides and strobilurin fungicides; and c) an agrochemically acceptable non- aqueous liquid carrier; wherein the dithiocarbamate fungicide is suspended in the liquid carrier; wherein the triazole fungicide and the strobilurin fungicide are dissolved in the liquid carrier; and wherein the liquid carrier optionally comprises an adjuvant.

21: 2018/08602. 22: 2018/12/19. 43: 2024/01/22
51: E21D; G01L
71: ALERT TECHNOLOGIES INC.
72: JOSEF ROBERT MANKOWSKI, CHRISTER GOTMALM
33: US 31: 62/352,827 32: 2016-06-21
54: SENSING DEVICE FOR A ROCK BOLT
00: -
Rock bolts are typically used to provide support for rock formations and to hold the formation together. Rock bolts may fail due to a number of reasons. Failures in rock bolts may cause overload or loss of preload in the rock bolt. Aspects of the disclosure provide a sensing device for a rock bolt. The sensing device includes a spacer and at least one load sensor. Each said at least one load sensor includes a respective resilient compressible element that is adjacent a respective end of the spacer. The resilient compressible element compresses responsive to a respective load threshold. Each load sensor provides respective sensor output as a function of whether or not the respective resilient compressible element is compressed. The sensing device generates device output indicating a status of the rock bolt.

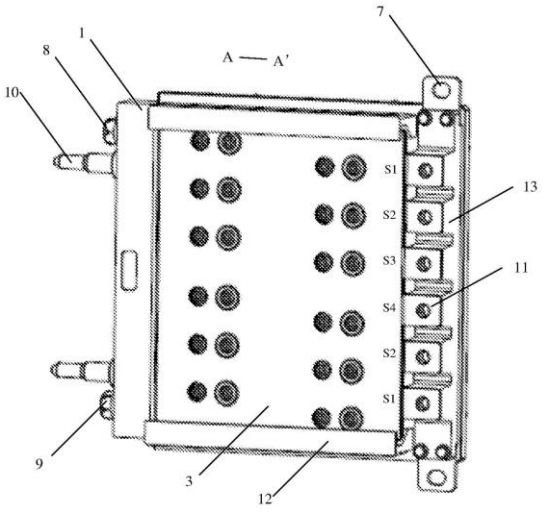


21: 2019/04227. 22: 2019/06/27. 43: 2023/12/13
51: A61K; A61P; C07D
71: Reata Pharmaceuticals, Inc.
72: JIANG, Xin, BENDER, Christopher F., VISNICK, Melean, HOTEMA, Martha R., SHELDON, Zachary S., LEE, Chitase, CAPRATHE, Bradley William, BOLTON, Gary, KORNBERG, Brian
33: US 31: 62/435,588 32: 2016-12-16
54: PYRIMIDINE TRICYCLIC ENONE DERIVATIVES FOR INHIBITION OF RORγ AND OTHER USES
00: -
Disclosed herein are compounds of the formulas: as well as analogs thereof, wherein the variables are defined herein. Also provided are pharmaceutical compositions thereof. In some aspects, the compounds and compositions provided herein may be used to inhibit RORγ and/or reduce the expression of IL-17. Also provided are methods of administering compounds and composition provided herein to a patient in need thereof, for example, for the treatment or prevention of diseases or disorders associated with inflammation or autoimmune disorders.



(I)

21: 2019/04504. 22: 2019/07/09. 43: 2023/12/18
51: H02M
71: CRRC Yongji Electric Co., Ltd
72: GAO, Yongjun, WANG, Lei, GAO, Sheng, LI, Shourong, YANG, Lu, LI, Wei
33: CN 31: 201611131733.4 32: 2016-12-09
54: FOUR-QUADRANT POWER MODULE
00: -
Provided is a four-quadrant power module, comprising: a water-cooled substrate (1), an IGBT assembly (2), a composite busbar (3), a driver circuit board (4), a low-voltage connector (5), and a handle assembly (15); the surface of one side of the water-cooled substrate (1) is provided with the IGBT assembly (2), and the outer side of the IGBT assembly (2) is provided with the composite busbar (3); the other side of the water-cooled substrate (1) is provided with the driver circuit board (4), the low-voltage connector (5), and the handle assembly (15); the IGBT assembly (2) is electrically connected to the composite busbar (3) and the driver circuit board (4); the driver circuit board (4) is electrically connected to the low-voltage connector (5); the side face of the composite busbar (3) is provided with a connection terminal (11); the low-voltage connector (5) is used for transmitting a power-supply drive signal, a drive control signal, and a power-unit status feedback signal; the driver circuit board (4) is used for processing the drive control signal to generate a signal to control the operation of the IGBT assembly (2). In the four-quadrant power module provided by the present technical solution, controllable rectification is achieved and stability in operation of the power module is increased.



21: 2019/04546. 22: 2019/07/11. 43: 2023/12/13
51: B64C
71: UNIVERSITY OF PRETORIA
72: HUYSSEN, Reinhard Joachim
33: ZA 31: 2017/00443 32: 2017-01-19
54: TAILLESS AIRCRAFT
00: -
The invention relates to an aircraft having a tailless fuselage. The fuselage has a body which includes a transverse trailing edge. The aircraft further includes a wing having two sides which protrude from opposite sides of the fuselage. The body typically has a fineness ratio of between 3 and 7. Each side of the wing has an inner section having a first dihedral angle and an outer section having a second dihedral angle, the second dihedral angle being less than the first dihedral angle. At least part of the outer section is typically swept back. The configuration of the aircraft provides it with improved flight efficiency.

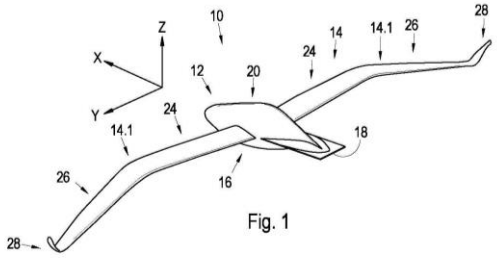
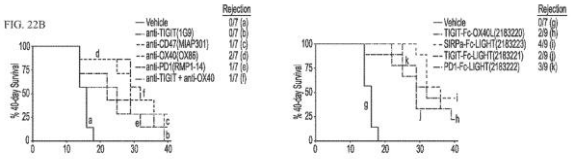


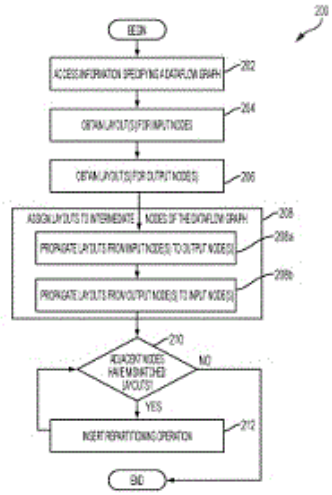
Fig. 1

21: 2019/05488. 22: 2019/08/20. 43: 2023/12/04
51: A61K C07K
71: SHATTUCK LABS, INC.

72: SCHREIBER, Taylor, FROMM, George, DE SILVA, Suresh
33: US 31: 62/464,002 32: 2017-02-27
54: TIGIT- AND LIGHT-BASED CHIMERIC PROTEINS
00: -
The present invention relates, inter alia, to compositions and methods, including TIGIT- and/or LIGHT-based chimeric proteins that find use in the treatment of disease, such as cancer and an inflammatory disease.



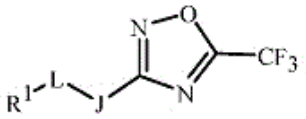
21: 2019/06585. 22: 2019/10/07. 43: 2023/12/13
51: G06F
71: AB INITIO TECHNOLOGY LLC
72: DICKIE, GARTH ALLEN
33: US 31: 62/478,390 32: 2017-03-29
54: SYSTEMS AND METHODS FOR PERFORMING DATA PROCESSING OPERATIONS USING VARIABLE LEVEL PARALLELISM
00: -
Techniques for determining processing layouts to nodes of a dataflow graph. The techniques include: obtaining information specifying a dataflow graph, the dataflow graph comprising a plurality of nodes and a plurality of edges connecting the plurality nodes, the plurality of edges representing flows of data among nodes in the plurality of nodes, the plurality of nodes comprising: a first set of one or more nodes; and a second set of one or more nodes disjoint from the first set of nodes; obtaining a first set of one or more processing layouts for the first set of nodes; and determining a processing layout for each node in the second set of nodes based on the first set of processing layouts and one or more layout determination rules, the one or more layout determination rules including at least one rule for selecting among processing layouts having different degrees of parallelism.



21: 2019/06832. 22: 2019/10/16. 43: 2023/12/13
51: A61K
71: ITM ISOTOPEN TECHNOLOGIEN MÜNCHEN AG, PAUL SCHERRER INSTITUT
72: BENESOVA, MARTINA, MÜLLER, CRISTINA, UMBRICHT, CHRISTOPH, SCHIBLI, ROGER, ZHERNOSEKOV, KONSTANTIN
33: EP 31: 17000891.6 32: 2017-05-24
33: EP 31: PCT/EP2017/000717 32: 2017-06-20
54: NOVEL PSMA-BINDING AGENTS AND USES THEREOF
00: -
The present invention provides novel compounds that are useful as radiopharmaceuticals, imaging agents and for treatment of cancer.

21: 2019/06909. 22: 2019/10/21. 43: 2023/12/13
51: C07D; A01N
71: FMC CORPORATION
72: PASTERIS, ROBERT JAMES, CHITTABOINA, SRINIVAS, MCMAHON, TRAVIS CHANDLER, KAMIREDDY, BALREDDY, REDDY, RAVISEKHARA POCHIMIREDDY
33: US 31: 62/542,949 32: 2017-08-09
33: US 31: 62/482,343 32: 2017-04-06
54: FUNGICIDAL OXADIAZOLES
00: -
Disclosed are compounds of Formula (1), including all geometric and stereoisomers, tautomers, *N-oxides*, and salts thereof, wherein R^1, L and J are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling plant disease caused by a fungal pathogen comprising applying an

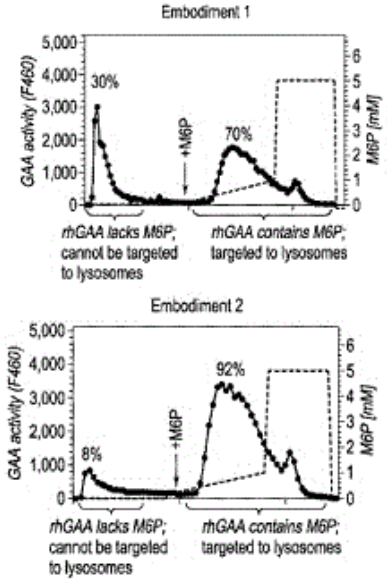
effective amount of a compound or a composition of the invention.



(1)

21: 2019/06938. 22: 2019/10/22. 43: 2023/12/13
51: A61K; C12N; A61P
71: AMICUS THERAPEUTICS, INC.
72: CHAR, HING, TESLER, SERGEY, SUNDERLAND, WENDY, DILONÉ, ENRIQUE, GOTSCHALL, RUSSELL, DO, HUNG
33: US 31: 15/473,999 32: 2017-03-30
33: US 31: 62/457,588 32: 2017-02-10
33: US 31: 62/315,436 32: 2016-03-30
54: FORMULATIONS COMPRISING RECOMBINANT ACID ALPHA-GLUCOSIDASE
00: -

Provided are pharmaceutical formulations comprising a recombinant acid α-glucosidase, wherein the recombinant acid α-glucosidase is expressed in Chinese hamster ovary (CHO) cells and comprises an increased content of N-glycan units bearing one or two mannose-6-phosphate residues when compared to a content of N-glycan units bearing one or two mannose-6-phosphate residues of alglucosidase alfa; at least one buffer selected from the group consisting of a citrate, a phosphate and combinations thereof; and at least one excipient selected from the group consisting of mannitol, polysorbate 80, and combinations thereof, wherein the formulation has a pH of from about 5.0 to about 7.0. Also provided are methods of treating Pompe disease using these pharmaceutical formulations.



21: 2019/06942. 22: 2019/10/22. 43: 2024/02/06
51: B21D; F16L
71: VICTAULIC COMPANY
72: BANCROFT, Philip Wayne
33: US 31: 62/514,229 32: 2017-06-02
54: COUPLING HAVING SEAL WITH RETRACTING CENTER LEG
00: -

A coupling for joining pipe elements has segments surrounding a central space with cusps which engage lobes of a seal to maintain the segments in spaced apart relation in a preassembled state. While the coupling is in the preassembled state the pipe elements may be inserted into the central space without disassembling the coupling, and portions of the seal adjacent to attachment members on the segments seat within a channel defined by the segments between the cusps. When the seal is compressed between the segments and the pipe elements to form a joint the seal deforms so as to withdraw a center leg of the seal from the flow path defined within the pipe elements.

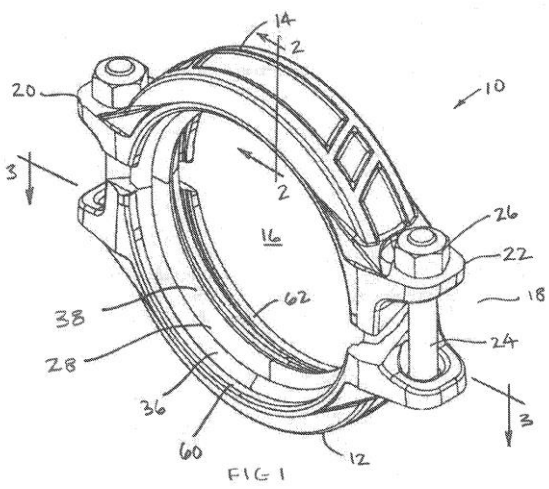
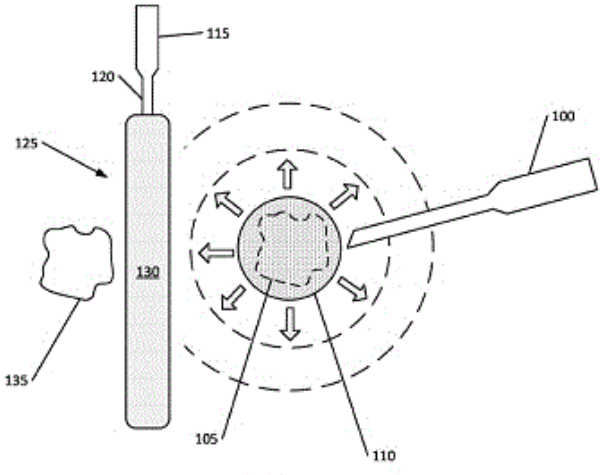
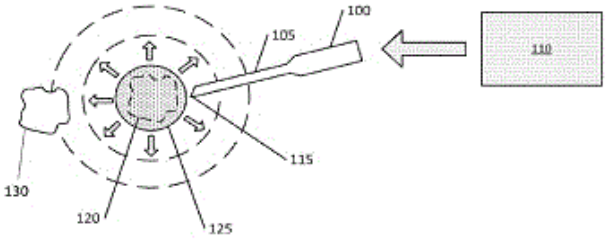


FIG 1

21: 2019/07137. 22: 2019/10/29. 43: 2023/12/13
51: A61B
71: MIRAKI INNOVATION THINK TANK LLC
72: VELIS, CHRISTOPHER
33: US 31: 62/482,008 32: 2017-04-05
54: COLD SLURRY CONTAINMENT
00: -
The present invention provides methods and devices for controlling a cold slurry that is delivered to a target tissue and for limiting heat transferring from surrounding tissue to the target tissue. In particular, a balloon structure is deployed at or near a point of delivery to act as a physical and/or thermal barrier. In some instances, the balloon structure can act as a pressure device obstructing the flow of warm blood into a treatment area, which can melt the cold slurry.



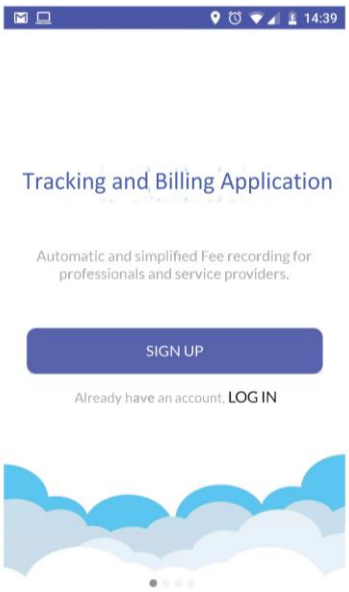
21: 2019/07138. 22: 2019/10/29. 43: 2023/12/13
51: A61F; A61B
71: MIRAKI INNOVATION THINK TANK LLC
72: VELIS, CHRISTOPHER
33: US 31: 62/482,003 32: 2017-04-05
54: POINT OF DELIVERY COLD SLURRY GENERATION
00: -
The present invention provides methods and devices for making a cold slurry at a point of delivery. A point of delivery device deliver4s cold slurry components to a location at or near a target tissue. The components are combined to form the cold slurry at or near the point of delivery. This approach to generating a cold slurry at the point of delivery allows the characteristics of the cold slurry, such as temperature, particle shape and particle size, to be maintained and controlled.



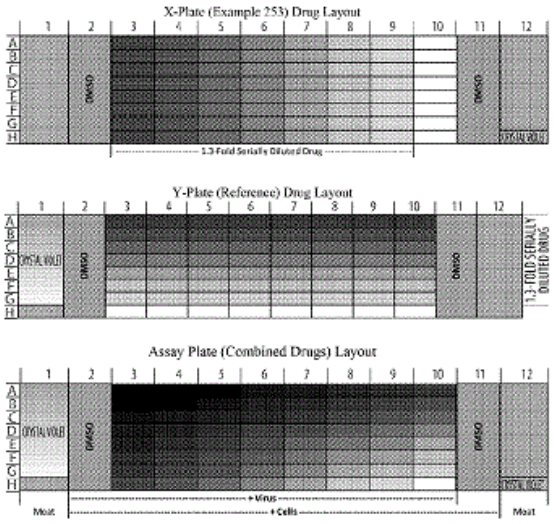
21: 2020/01421. 22: 2020/03/05. 43: 2023/12/18
51: A01N; A01P
71: UPL Corporation Limited
72: YEPEZ GIL, Gustavo
33: BR 31: 10 2017 019120 6 32: 2017-09-06
54: MIXTURE OF A FOLCISTEINE-BASED BIOSTIMULANT AND AN AGROTOXIC SUBSTANCE OF INTEREST RESULTING IN A QUANTITATIVELY, QUALITATIVELY AND TIME-RELATED RESULT-POTENTIATING ACTION AS OBSERVED IN AN AGRICULTURAL CROP OF A PLANT OF INTEREST
00: -
Mixture of a folcisteine-based biostimulant and an agrotoxic substance of interest resulting in a quantitatively, qualitatively and time-related result-potentiating action as observed in an agricultural crop of a plant of interest, represented by an inventive solution in the agricultural sector, with a broad spectrum of use as an auxiliary agent in the cultivation of plants of agricultural interest, with the greater objective of promoting potentiation of the efficacy of an agrotoxic substance of interest, resulting in improved control of insects, diseases and weeds and/or improved productivity at the time

of harvesting an agricultural crop of interest, and to that end a mixture, which may be a solid mixture (Bs) or a liquid mixture (BI), of an ingredient in which the principal is folcisteine (X), preferably originating from a biostimulant, and of an agrotoxic substance of interest (Y), which may be a herbicide (Y1), a fungicide (Y2) or an insecticide (Y3), has been designed.

21: 2020/01775. 22: 2020/03/20. 43: 2021/02/22
51: G06F
71: BRAUER, Daniel
72: BRAUER, Daniel
33: ZA 31: 2018/082592 32: 2018-12-20
54: METHOD AND SYSTEM FOR TRACKING AND BILLING
00: -
This invention relates to a method and system for tracking and billing and more specifically, but not exclusively, to a method and system for tracking and billing for use by contractors. In accordance with the invention there is provided a method and system of presenting a contractor's bill to a client including the steps of providing software running on a mobile device of the contractor; capturing, through the software running on the mobile device, time spent on a task; associating the task and captured time with a client; generating a bill from the aggregated tasks and time associated with the client; and presenting the bill to the client.

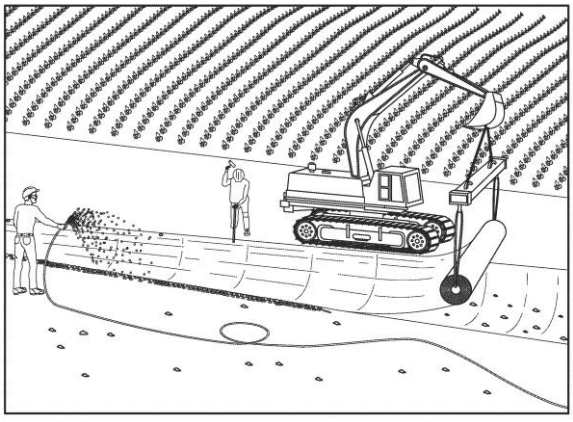


21: 2020/02139. 22: 2020/05/04. 43: 2023/12/06
51: A61K C07D
71: ENANTA PHARMACEUTICALS, INC.
72: SHOOK, Brian, C., KIM, In, Jong, BLAISDELL, Thomas, P., YU, Jianming, PANARESE, Joseph, D., LIN, Kai, RHODIN, Michael, H.J., MCALLISTER, Nicole, V., OR, Yat, Sun
33: US 31: 62/566,159 32: 2017-09-29
33: US 31: 62/566,160 32: 2017-09-29
54: COMBINATION PHARMACEUTICAL AGENTS AS RSV INHIBITORS
00: -
The present invention relates to pharmaceutical agents administered to a subject either in combination or in series for the treatment of a Respiratory Syncytial Virus (RSV) infection, wherein treatment comprises administering a compound effective to inhibit the function of the RSV and an additional compound or combinations of compounds having anti-RSV activity.



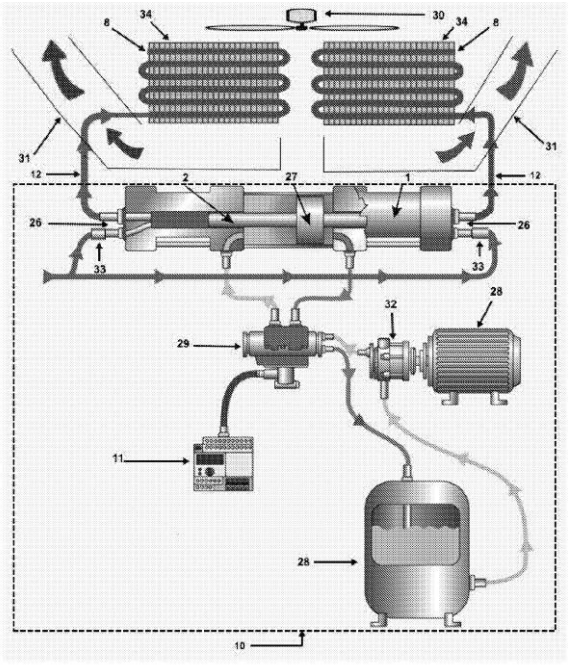
21: 2020/02745. 22: 2020/05/13. 43: 2023/12/12
51: C04B; E02B
71: Cortex Composites, Inc.
72: KRASNOFF, Curren E., BERKE, Neal S.
33: US 31: 15/806,980 32: 2017-11-08
33: US 31: 15/807,373 32: 2017-11-08
54: CEMENTITIOUS COMPOSITE CONSTITUENT RELATIONSHIPS
00: -

A cementitious composite for in-situ hydration includes a first layer, a second layer spaced from the first layer, and a cementitious mixture disposed between the first layer and the second layer. The cementitious mixture includes cementitious materials. The cementitious mixture is configured to absorb a mass of water that provides a maximum 28 day compressive strength of the cementitious composite upon curing which is represented by $M_w = x \cdot M_c$. M_w is the mass of the water per unit area of the cementitious composite. M_c is a mass of the cementitious materials of the cementitious mixture per unit area of the cementitious composite, x is a ratio of the mass of the water relative to the mass of the cementitious materials of the cementitious mixture per unit area of the cementitious composite that provides the maximum 28 day compressive strength of the cementitious composite, x is between 0.25 and 0.55.



21: 2020/03260. 22: 2020/06/01. 43: 2024/01/24
51: F25B
71: ENERGY INNOVATION SYSTEM LIMITED
72: SANTANDER KUBORN, Jean Baptiste Claudio
33: CL 31: 3498-2017 32: 2017-12-29
54: METHOD FOR TRANSFERRING HEAT BETWEEN TWO OR MORE MEDIA AND SYSTEM FOR CARRYING OUT SAID METHOD
00: -

The invention relates to a method for transferring heat between two or more media, which can be used for domestic, commercial or industrial purposes, subject only to the existence of a temperature difference and to pressure variations. The invention also relates to a system for transferring heat.



21: 2020/03370. 22: 2020/06/05. 43: 2024/01/31
51: A01B; A01C
71: PRECISION PLANTING LLC
72: MCMENAMY, Justin, SCHLIPF, Ben
33: US 31: 62/622,792 32: 2018-01-26
54: METHOD OF MAPPING DROPLET SIZE OF AGRICULTURAL SPRAYERS
00: -

A method of graphically mapping liquid product applied to a field by an agricultural sprayer having a plurality of spray nozzles. The method includes generating an application map on an aerial image of the field, the application map including a droplet size map displaying said droplet sizes being sprayed by each of the plurality of spray nozzles or a gang of spray nozzles as the agricultural sprayer traverses

the field. The application map may also include an application rate map displaying said application rates being sprayed by each of the plurality of spray nozzles or the gang of spray nozzles as the agricultural sprayer traverses the field.

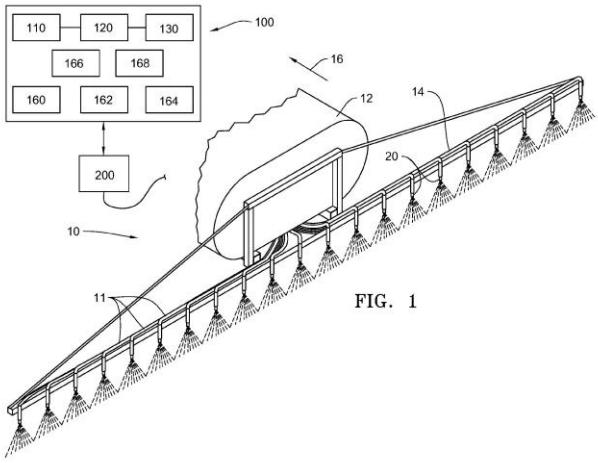
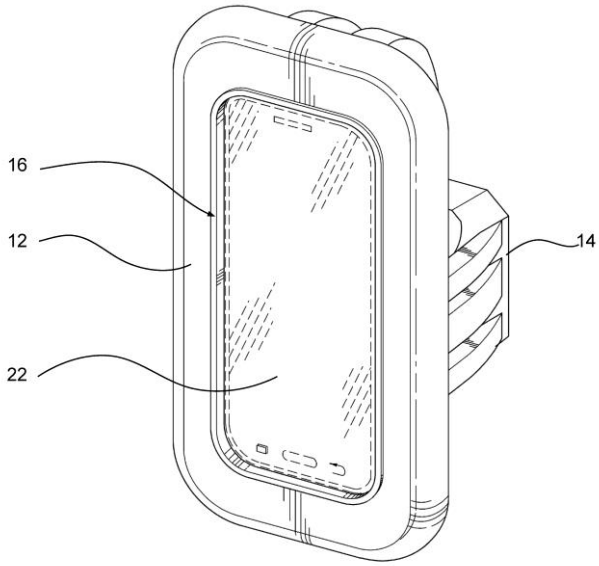
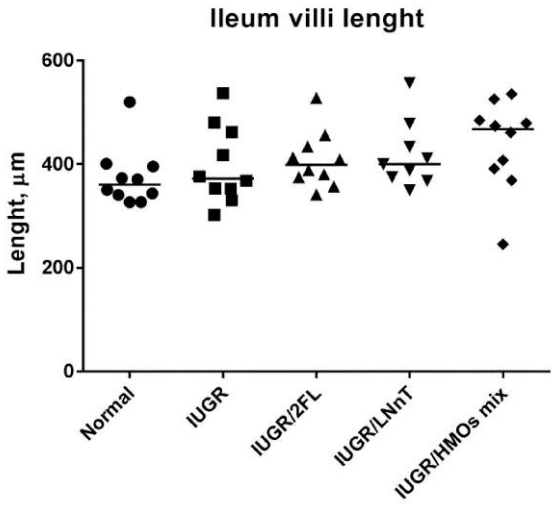


FIG. 1

21: 2020/04200. 22: 2020/07/09. 43: 2024/01/22
51: B60R; B62J; B62K
71: J Mount CC
72: VAN DER WALT, Sarel Jay
33: ZA 31: 2019/02309 32: 2019-04-12
54: MOBILE DEVICE CRADLE
00: -
A mobile device cradle which includes an elastic mobile device holder that is joined to a mounting for operative installation of the mobile device cradle on a bike.



21: 2020/04246. 22: 2020/07/10. 43: 2023/12/05
51: A23L; A61K
71: Société des Produits Nestlé S.A.
72: GARCIA-RODENAS, Clara Lucia, RAMOS NIEVES, José Manuel, STEINMANN, Myriam Sandrine
33: EP(CH) 31: 17209456.7 32: 2017-12-21
54: COMPOSITIONS COMPRISING AT LEAST ON N-ACETYLATED AND AT LEAST ONE FUCOSYLATED OLIGOSACCHARIDE FOR USE IN THE PROMOTION OF DIGESTIVE CAPACITY IN INFANTS AND YOUNG CHILDREN
00: -
This invention relates to compositions for use in the promotion of the development and/or of the growth of the surface area of the small intestine and in the associated improvement of the digestive capacity in an infant or in a young child.



21: 2020/04635. 22: 2020/07/27. 43: 2023/12/13
51: C08K; C08J; C08L
71: RUBBER NANO PRODUCTS (PROPRIETARY) LIMITED
72: BOSCH, ROBERT MICHAEL, WILLIAMS, DAMIAN
33: NL 31: 2020311 32: 2018-01-24
54: POLYMER BASED VULCANIZATION COMPOSITIONS AND METHOD FOR PREPARING THE COMPOSITIONS
00: -
This invention relates to a composition which is suitable for use in the vulcanization of the rubber. The composition is a non-aqueous water soluble polymer based composition comprising a cationic silicate component. The composition may further include a second cationic additive component which

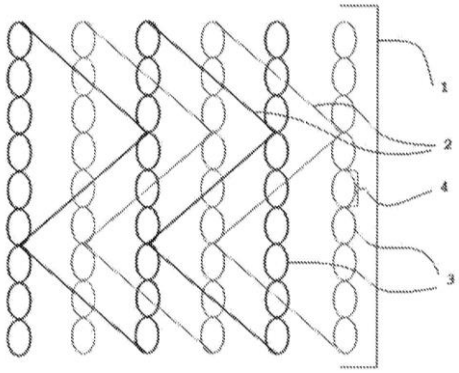
is desirable in a rubber vulcanization process. The invention further relates to a method for preparing these compositions.

21: 2020/04728. 22: 2020/07/30. 43: 2023/11/29
51: B65D
71: Cotesi - Companhia de Têxteis Sintéticos, S.A.
72: VIOLAS DE OLIVEIRA E SÁ, Pedro Américo
33: PT 31: 110606 32: 2018-03-05

54: AGRICULTURAL MESH FOR BALING

00: -

The present invention relates to an agricultural mesh for baling (1) comprising columns of chains or pillars (3), wherein each column of chain or pillar (3) comprises a plurality of meshes (4) interconnected with each other and associated with the columns of chains or pillars (3) by means of the weft (2), wherein the configuration and dimensions of the wefts (2) provides the reinforcement of the agricultural mesh for baling (1). The present invention provides a solution that aims to reduce the dimensions of the longitudinal openings wefts (2) during the baling process, yielding strong and well-preserved bales.

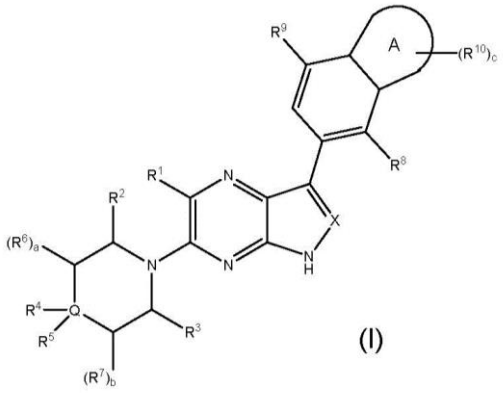


21: 2020/04729. 22: 2020/07/30. 43: 2023/12/05
51: A61K; A61P; C07D
71: Otsuka Pharmaceutical Co., Ltd., Taiho Pharmaceutical Co., Ltd.
72: JOHNSON, Christopher Norbert, BUCK, Ildiko Maria, CHESSARI, Gianni, DAY, James Edward Harvey, FUJIWARA, Hideto, HAMLETT, Christopher Charles Frederick, HISCOCK, Steven Douglas, HOLVEY, Rhian Sara, HOWARD, Steven, LIEBESCHUETZ, John Walter, PALMER, Nicholas John, ST. DENIS, Jeffrey David, TWIGG, David Geoffrey, WOODHEAD, Andrew James
33: GB 31: 1803439.7 32: 2018-03-02

54: PHARMACEUTICAL COMPOUNDS

00: -

The invention provides new pyrazine derivatives of formula (I), or a tautomer or a solvate or a pharmaceutically acceptable salt thereof, wherein the substituents are as defined herein. The invention also provides pharmaceutical compositions comprising said compounds and to the use of said compounds in the treatment of diseases, e.g. cancer.



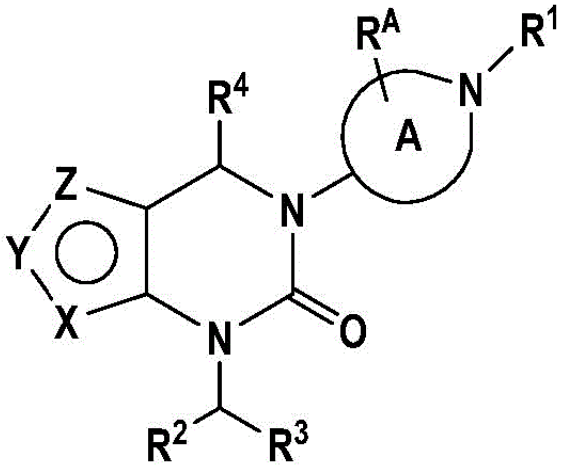
(I)

21: 2020/04910. 22: 2020/08/07. 43: 2023/11/30
51: A61K; A61P; C07D
71: Idorsia Pharmaceuticals Ltd
72: FROIDEVAUX, Sylvie, HUBLER, Francis, MURPHY, Mark, RENNEBERG, Dorte, STAMM, Simon
33: PCT/EP(CH) 31: 2018/050598 32: 2018-01-10

54: 2,4,6,7-TETRAHYDRO-PYRAZOLO[4,3-D]PYRIMIDIN-5-ONE DERIVATIVES AND RELATED COMPOUNDS AS C5A RECEPTOR MODULATORS FOR TREATING VASCULITIS AND INFLAMMATORY DISEASES

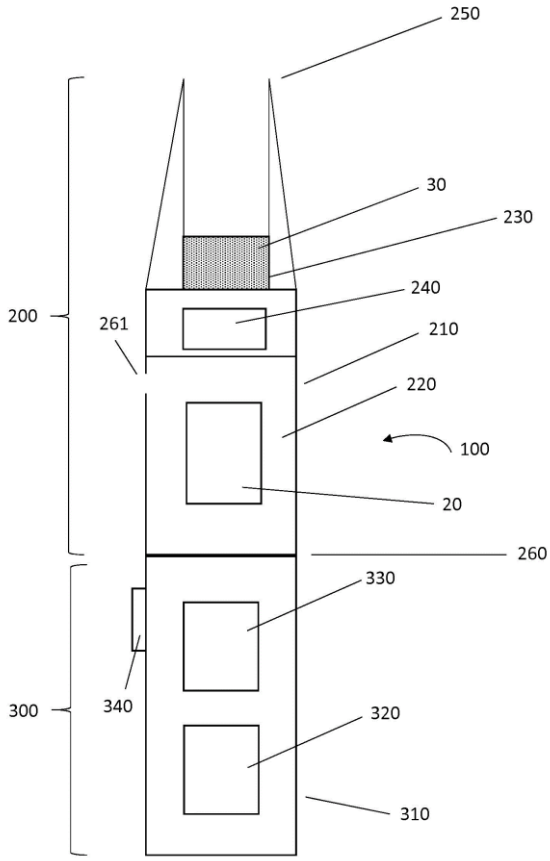
00: -

The present invention relates to derivatives of formula (I) wherein Ring A, X, Y, Z, R^A, R^1, R^2, R^3 and R^4 are The present invention discloses derivatives of formula (I), wherein Ring A, X, Y, Z, R^A, R^1, R^2, R^3 and R^4 are as described in the description, and in particular e.g. 2,4,6,7-tetrahydro-pyrazolo[4,3- d] pyrimidin-5-one derivatives and related compounds, their preparation, pharmaceutically acceptable salts thereof, their use as pharmaceuticals, pharmaceutical compositions containing one or more compounds of formula (I), and especially their use as C5a receptor modulators for treating e.g. vasculitis and inflammatory diseases.



Formula (I)

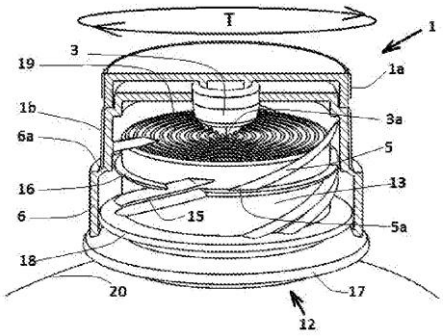
21: 2020/04953. 22: 2020/08/11. 43: 2023/11/30
51: A24F
71: Nicoventures Trading Limited
72: YILMAZ, Ugurhan, POTTER, Mark
33: GB 31: 1802590.8 32: 2018-02-16
54: AEROSOL GENERATION ARTICLE
00: -
There is described an aerosol provision article (200) for use in an aerosol provision system (100) for generating an inhalable medium comprising an aerosol when a user draws on the aerosol provision system. The aerosol provision article comprises at least a first heating element (240a') and a second heating element (240b') for heating liquid from a liquid reservoir to generate a flow of aerosol; and a region (230) for receiving a substance (30) which, in use, the flow of aerosol passes through and heats the substance before exiting the aerosol provision article which substance modifies a property of the flow of aerosol. The at least a first heating element and a second heating element are positioned so as to additionally heat the substance in the region.



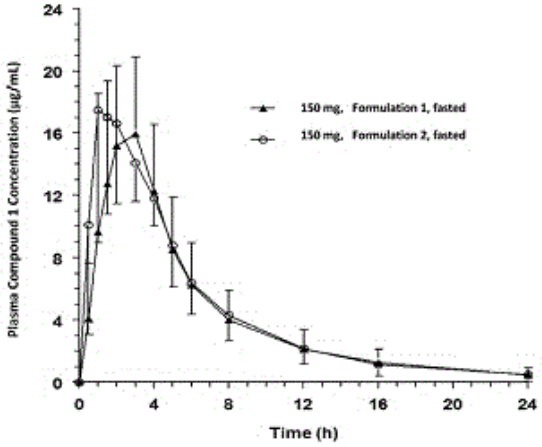
21: 2020/05803. 22: 2020/09/18. 43: 2024/02/05
51: A61K; C07D
71: NIROGY THERAPEUTICS, INC.
72: SANDANAYAKA, Vincent
33: US 31: 62/650,592 32: 2018-03-30
54: BICYCLIC ENONE CARBOXYLATES AS MODULATORS OF TRANSPORTERS AND USES THEREOF
00: -
The invention generally relates to the field of monocarboxylate transporter inhibitors, and more particularly to new bicyclic enone carboxylate enone compounds, the synthesis and use of these compounds and their pharmaceutical compositions, e.g., in the treatment, modulation and/or prevention of physiological conditions associated with monocarboxylate transporter activity such as in treating cancer and other neoplastic disorders, tissue and organ transplant rejection.

21: 2020/06097. 22: 2020/10/01. 43: 2024/01/22
51: B65D

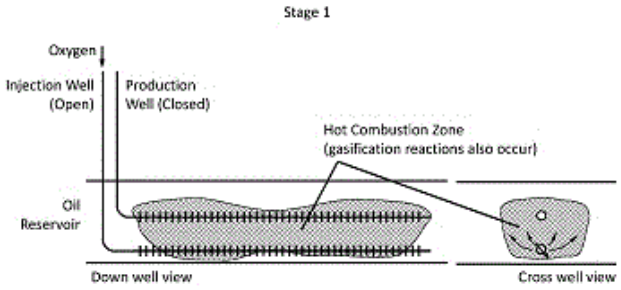
71: MARTINS, Andrea Luciana, DA COSTA, Ivan Ferreira, AVILA, Mario Luiz Novaes
72: DA COSTA, Ivan Ferreira, AVILA, Mario Luiz Novaes
33: BR 31: BR 10 2018 004125 8 32: 2018-03-01
33: BR 31: BR 13 2018 006655 1 32: 2018-04-02
33: BR 31: BR 13 2019 004273 6 32: 2019-03-01
54: DEVICE FOR AUTOMATICALLY OPENING A CONTAINER PROVIDED WITH A SEALING ELEMENT
00: -
The invention relates to a device for automatically opening a container having a mouth provided with a sealing element which is firmly attached to the edge of the mouth, said device for automatically opening containers being provided with means that eliminate the need to remove the cap from the container and perform multiple operations in order to remove the sealing element from the edge of the mouth so as to enable the administration of the stored product.



21: 2020/06107. 22: 2020/10/02. 43: 2023/12/13
51: A61K; A61P; C07D
71: AKEBIA THERAPEUTICS, INC.
72: SMITH, ALEXANDER, CHANDORKAR, GURUDATT AJAY, ETTE, ENE IKPONG, MARONI, BRADLEY JOHN, HARTMAN, CHARLOTTE SUZANNE, FARZANEH-FAR, RAMIN, INRIG, JULA KERN
33: US 31: 62/270,168 32: 2015-12-21
33: US 31: 62/141,420 32: 2015-04-01
54: COMPOSITIONS AND METHODS FOR TREATING ANEMIA
00: -
Provided herein are specific doses of, and dosing regimens for, using a HIF prolyl hydroxylase inhibitor in treating or preventing anemia, such as anemia secondary to or associated with chronic kidney disease, anemia secondary to or associated with non-dialysis dependent chronic kidney disease anemia associated with or resulting from chemotherapy, or anemia associated with AIDS.

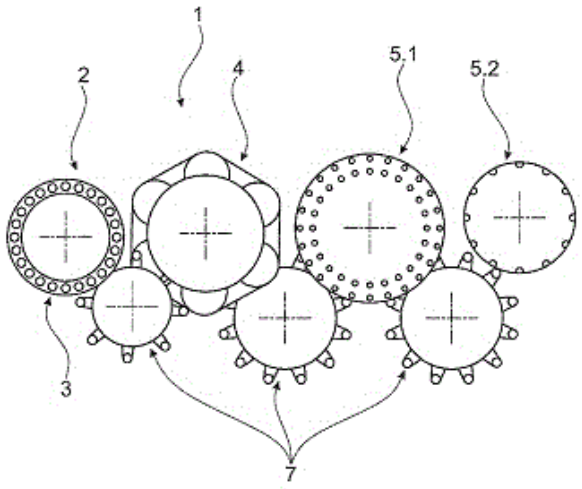


21: 2020/06127. 22: 2020/10/02. 43: 2023/12/13
51: E21B
71: PROTON TECHNOLOGIES CANADA INC.
72: STREM, GRANT D, GATES, IAN D, WANG, JINGYI
33: US 31: 62/639,184 32: 2018-03-06
54: IN-SITU PROCESS TO PRODUCE SYNTHESIS GAS FROM UNDERGROUND HYDROCARBON RESERVOIRS
00: -
A petroleum reservoir is treated with heat to induce gasification, water-gas shift, and/or aquathermolysis reactions to generate synthesis gas comprising hydrogen gas. The synthesis gas is produced to the surface using one or more production wells.



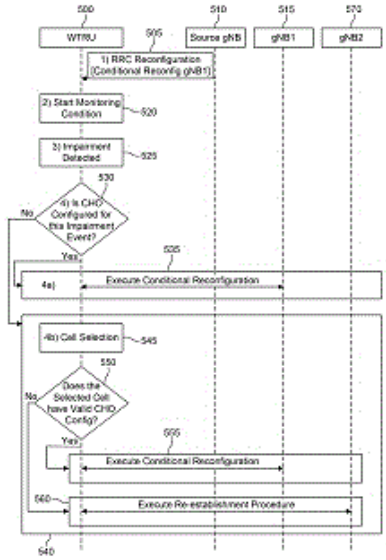
21: 2020/06132. 22: 2020/10/02. 43: 2023/12/13
51: A61F
71: RUGGLI PROJECTS AG
72: SCHULER, SAMUEL, AUER, MARCO
33: CH 31: 00426/18 32: 2018-03-29
54: DEVICE FOR SHAPING TAMPONS
00: -
The invention relates to a device for shaping tampons, comprising a plurality of machining drums

2, 4, 5.1, 5.2 for shaping a tampon made of web-like material. The device additionally comprises at least one transfer wheel 7 for continually transferring a preform from a first machining drum 2, 4, 5.1, 5.2 to a second machining drum 4, 5.1, 5.2. The invention also relates to a method for shaping a tampon made of web-like material, wherein a transfer from a first machining drum to a second machining drum is carried out by means of a continuously rotating transfer wheel.



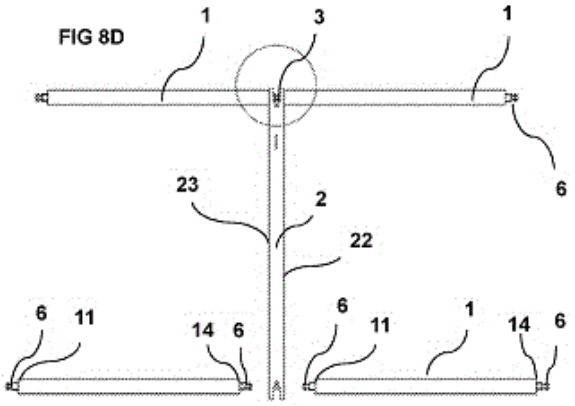
21: 2020/06133. 22: 2020/10/02. 43: 2023/12/13
51: A01N; C07D
71: CORTEVA AGRISCIENCE LLC
72: KISTER, JEREMY, SATCHIVI, NORBERT M, SIDDALL, THOMAS L, HORTY, LINDSEY G, NIYAZ, NOORMOHAMED M, EPP, JEFFREY B.
33: US 31: 62/670,538 32: 2018-05-11
54: 4-AMINO-6-(1,3-BENZODIOXOLE)PICOLINATES AND THEIR USE AS HERBICIDES
00: -
Described herein are 4-amino-6-(1,3-benzodioxole)picolinic acids, compositions comprising 4-amino-6-(1,3-benzodioxole)picolinic acids, and the use of these compounds and compositions to control undesirable vegetation.

21: 2020/06233. 22: 2020/10/07. 43: 2023/12/13
51: H04W
71: INTERDIGITAL PATENT HOLDINGS, INC.
72: DEENOO, YUGESWAR, HAJIR, MOUNA, PELLETIER, GHYSLAIN
33: US 31: 62/736,290 32: 2018-09-25
33: US 31: 62/652,163 32: 2018-04-03
54: METHODS FOR ENHANCED MOBILITY IN WIRELESS SYSTEMS
00: -
Methods, devices, and systems for communication by a wireless transmit/receive unit (WTRU) associated with a source cell. The WTRU is configured with a conditional reconfiguration which includes a trigger condition and a configured target cell. The WTRU detects an occurrence of an impairment event resulting in impairment to operation of the WTRU in the source cell. If the impairment event satisfies the trigger condition, a reconfiguration is performed with the configured target cell. If the impairment event does not satisfy the trigger condition, a target cell is selected based on a cell selection procedure, and if the WTRU is configured with a conditional reconfiguration for the selected target cell, a reconfiguration is performed with the selected target cell; and if the WTRU is not configured with a conditional reconfiguration for the target cell, a reestablishment is performed with the selected target cell.



21: 2020/06290. 22: 2020/10/09. 43: 2023/12/13
51: F16B; A47B
71: VÄLINGE INNOVATION AB
72: DERELÖV, PETER
33: SE 31: 1850441-5 32: 2018-04-18
54: SYMMETRIC TONGUE & T-CROSS
00: -
A set comprising a first panel (1), a second panel (2) and a mechanical locking device for locking the first panel (1) to the second panel (2), wherein the first

panel (1) comprises a first edge surface (11) and a first panel surface (12) and the second panel (2) comprises a second edge surface (21) and a second panel surface (22), characterized in that the mechanical locking device comprises an insertion groove (3) at the second edge surface (21), a flexible tongue (4) positioned in the insertion groove (3) and an edge tongue comprising a tongue groove (9), that the flexible tongue (4) comprises a first locking surface (101) and a second locking surface (102), that the first locking surface (101) is configured to cooperate with the tongue groove (9) for locking of the first panel (1) to the second panel (2) in a first direction when the flexible tongue (4) is positioned in the insertion groove (3) in a first orientation, and that the second locking surface (102) of the flexible tongue (4) is configured to cooperate with the tongue groove (9) for a locking of the first panel (1) to the second panel (2) in a first direction when the flexible tongue (4) is positioned in the insertion groove (3) in a second orientation.



21: 2020/06377. 22: 2020/10/14. 43: 2023/12/13
51: C07F; A61K; A61P
71: QPEX BIOPHARMA, INC.
72: REDDY, RAJA K, HECKER, SCOTT J
33: US 31: 62/660,729 32: 2018-04-20

54: BORONIC ACID DERIVATIVES AND THERAPEUTIC USES THEREOF

00: -

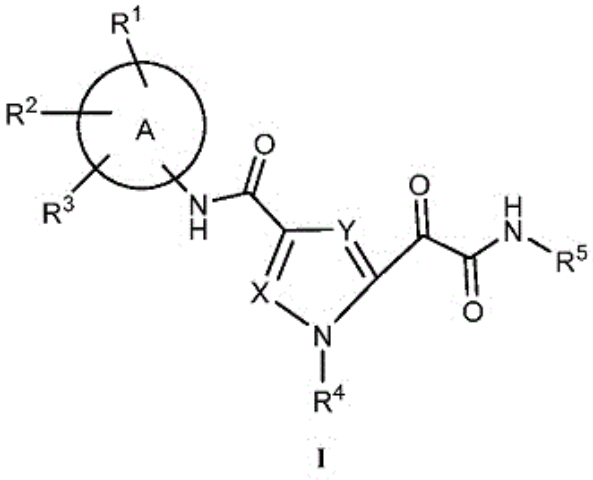
Disclosed herein are antimicrobial compounds, compositions, pharmaceutical compositions, the use and preparation thereof. Some embodiments relate to boronic acid derivatives and their use a therapeutic agents.

21: 2020/06378. 22: 2020/10/14. 43: 2023/12/13
51: C07D; A61K; A61P
71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.
72: ZHANG, YINSHENG, AO, WANGWEI, LI, YUAN, WANG, HUI, SHEN, HANGZHOU, NI, JIE, ZHANG, HUAN, WU, JIE, ZHANG, LI, CAO, KAI, LU, PENG, LIU, XUSHI, WANG, JIE, ZHAO, TIANXIAO, GE, XINGFENG, LU, DANDAN, CHEN, SHUO, MA, XUEQIN, SHI, WEI, WANG, XIAOJIN, XU, HONGJIANG
33: CN 31: 201810730325.3 32: 2018-07-05
33: CN 31: 201910073465.2 32: 2019-01-25
33: CN 31: 201810286111.1 32: 2018-03-30

54: N-HETEROCYCLIC FIVE-MEMBERED RING-CONTAINING CAPSID PROTEIN ASSEMBLY INHIBITOR, PHARMACEUTICAL COMPOSITION THEREOF, AND USE THEREOF

00: -

A N-heterocyclic five-membered ring-containing capsid protein assembly inhibitor, and a pharmaceutical composition and use thereof, specifically relating to a compound as represented by formula I, a stereoisomer, a tautomer, a geometrical isomer, a solvate, an active metabolite, a hydrate, a prodrug or a pharmaceutically acceptable salt thereof, a pharmaceutical composition thereof, and a medical use thereof. The medical use comprises the use in treating diseases benefiting from the capsid protein assembly inhibitor, and in particular, diseases caused by hepatitis B virus infection.



I

21: 2020/06388. 22: 2020/10/14. 43: 2023/12/13
51: C07C

71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: ARCHIBALD, FRASER, LORD, ADRIAN, SMIDT, MARTIN, WELCH, DAVID
33: GB 31: 1806127.5 32: 2018-04-13
54: PROCESS FOR MAKING A FEED OF NORMAL BUTANOL, ISO-BUTANOL AND 2-ALKYL ALKANOL
00: -
A process for the production of normal-butanol, iso-butanol and 2-alkyl alkanol is disclosed. The process comprises: hydrogenating a feed comprising normal butyraldehyde, iso- butyraldehyde and 2-alkyl alkenal to form a crude product stream comprising normal- butanol, iso-butanol, 2-alkyl alkanol, unreacted normal butyraldehyde, unreacted iso-butyraldehyde and one or more of unreacted 2-alkyl alkenal, 2-alkyl alkanal or 2-alkyl alkenol; separating the crude product stream to produce: a mixed butanol stream having higher concentrations of normal butanol, iso-butanol, unreacted normal butyraldehyde and unreacted iso-butyraldehyde than the crude product stream; and a crude 2-alkyl alkanol stream having higher concentrations of 2-alkyl alkanol and the one or more of unreacted 2-alkyl alkenal, 2-alkyl alkanal or 2-alkyl alkenol than the crude product stream; separating the mixed butanol stream to produce: a refined normal butanol stream having a higher concentration of normal butanol than the mixed butanol stream; and a crude iso-butanol stream having a higher concentration of iso-butanol than the mixed butanol stream; feeding the crude iso-butanol stream to a first polishing hydrogenation reactor wherein at least some of the unreacted iso-butyraldehyde is converted to iso-butanol to produce a polished iso¬ butanol stream; separating the polished iso-butanol stream to produce: a refined iso-butanol stream having a higher concentration of iso-butanol than the polished iso-butanol stream; and a light waste stream; separating the crude 2-alkyl alkanol stream to produce: an intermediate 2-alkyl alkanol stream having higher concentrations of 2-alkyl alkanol and the one or more of unreacted 2-alkyl alkenal, 2-alkyl alkanal or 2-alkyl alkenol than the crude 2- alkyl alkanol stream; and a heavy waste stream; feeding the intermediate 2-alkyl alkanol stream to a second polishing hydrogenation reactor wherein at least some of the one or more of unreacted 2-alkyl alkenal, 2-alkyl alkanal or 2-alkyl alkenol is converted to 2-alkyl alkanol to produce a polished 2-alkyl alkanol stream having a higher concentration of 2-alkyl alkanol than the intermediate 2-alkyl alkanol stream; separating the polished 2-alkyl alkanol stream to produce: a refined 2-alkyl alkanol stream having a higher concentration of 2-alkyl alkanol than the polished 2-alkyl alkanol stream; and an intermediate waste stream.

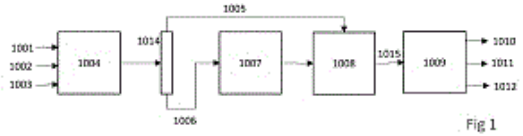
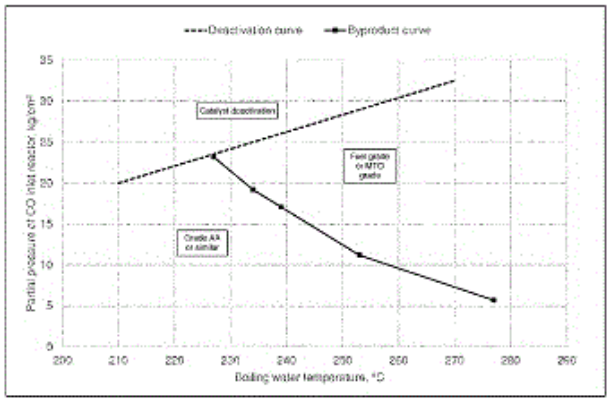


Fig 1

21: 2020/06505. 22: 2020/10/20. 43: 2024/01/15
51: C12N
71: UNIVERSITY OF GENEVA, LES HOPITAUX UNIVERSITAIRES DE GENEVE, UNIVERSITY OF ZURICH
72: KRAUSE, Karl-Heinz, ROUSSET, Francis, SALMON, Patrick, ALESSANDRINI, Marco, SPECK, Roberto, BREDL, Simon, MLAMBO, Tafadzwa, MYBURGH, Renier
33: US 31: 62/650,403 32: 2018-03-30
33: US 31: 62/650,387 32: 2018-03-30
54: MICRO RNA EXPRESSION CONSTRUCTS AND USES THEREOF
00: -
The present disclosure relates to miRNA expression constructs, such as for expression of multiple miRNAs and use thereof to knockdown target gene expression. In some aspects, the expression constructs include a promoter element, a spacer sequence and a miRNA coding sequence. In some aspects, constructs provide enhanced immune cell function.

21: 2020/06586. 22: 2020/10/22. 43: 2023/12/13
51: B01J; C07C
71: HALDOR TOPSØE A/S
72: ESKESEN, SØREN GRØNBORG, DAHL, PER JUUL, TJÄRNEHOV, EMIL ANDREAS, THORHAUGE, MAX
33: DK 31: PA 2018 00267 32: 2018-06-12
54: A PROCESS AND A PLANT FOR THE PRODUCTION OF METHANOL
00: -
A process for the production of methanol from synthesis gas via an equilibrium reaction is conducted in a methanol preconverter within a certain operational window, said operational window

being defined by the area below an approximately linear curve of the partial pressure of carbon monoxide vs. the boiling water temperature for water temperatures between 210 and 270°C. Methanol of different product grades may be obtained by operating in specific areas of the operational window.



21: 2020/06625. 22: 2020/10/23. 43: 2023/12/13
51: C22B
71: NOVA MINERALIS S.A.
72: CORTÉS CORTÉS, RODRIGO ANDRÉS, DOMIC MIHOVILOVIC, TIHOMIR EDUARDO, DOMIC MIHOVILOVIC, ESTEBAN MIGUEL
54: METHOD FOR DISSOLVING METALLOGENICALLY PRIMARY COPPER METALS OBTAINED FROM ORES AND/OR CHALCOPYRITE CONCENTRATES THAT CONTAIN SAME
00: -
The present invention relates to an autocatalytic reductive chemical procedure with solid-solid interaction in conditions of supersaturation of salts, via the phenomenon of efflorescence in order to dissolve a copper metal, from a metallogenically primary ore or chalcopyrite concentrate that contains same. The method comprises two steps, referred to as "Reductive Activation Step" and "Dry Autocatalytic Reductive Transformation Step" or efflorescence, which can be repeated as many times as necessary to maximise the extraction of copper or base metal of interest. The invention can also be used for sulphurised base metals such as nickel, zinc, cobalt, lead and molybdenum, among others, regardless of the common impurities of sulphurised ores, as occurs with the presence of arsenic.

21: 2020/06734. 22: 2020/10/28. 43: 2023/12/13
51: B01J; C07C
71: HALDOR TOPSØE A/S
72: ESKESEN, SØREN GRØNBORG, DAHL, PER JUUL, TJÄRNEHOV, EMIL ANDREAS, THORHAUGE, MAX
33: DK 31: PA 2018 00268 32: 2018-06-12
54: A PROCESS FOR METHANOL PRODUCTION USING A LOW-IRON CATALYST
00: -
The deterioration of methanol synthesis catalysts that is caused by iron poisoning of the catalyst is counteracted by using a catalyst containing a maximum of 100 ppmw Fe in the synthesis process. The method is especially useful in a methanol synthesis plant comprising a make-up gas compressor and a synthesis reactor in a methanol loop with a once- through pre-converter installed between the make-up gas compressor and the methanol loop.

21: 2020/06807. 22: 2020/10/30. 43: 2023/12/13
51: A61K; A61Q
71: SIVLÉR, PETTER, RAVICHANDRAN, RANJITHKUMAR
72: SIVLÉR, PETTER, RAVICHANDRAN, RANJITHKUMAR
33: IT 31: 102018000004884 32: 2018-04-26
54: METHOD FOR THE TREATMENT AND/OR PREVENTION OF DAMAGED KERATIN
00: -
A method is described for the treatment and/or prevention of damaged keratin in a keratin-containing tissue, comprising the steps of: applying on the keratin-containing tissue a cosmetic composition comprising molecules carrying at least one light reactive functional group, and at least one photoinitiator; and leaving to process with exposure of the keratin-containing tissue to light, the light being of a wavelength suitable for activating said at least one photoinitiator. A cosmetic composition is also described comprising molecules carrying at least one light reactive functional group and at least one photoinitiator; and its use.

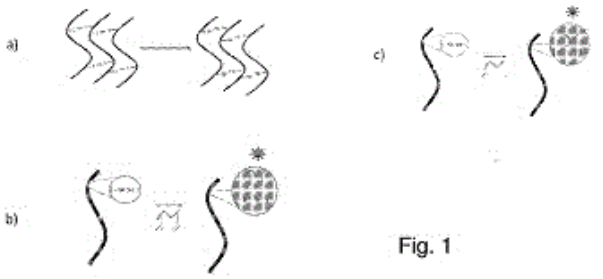
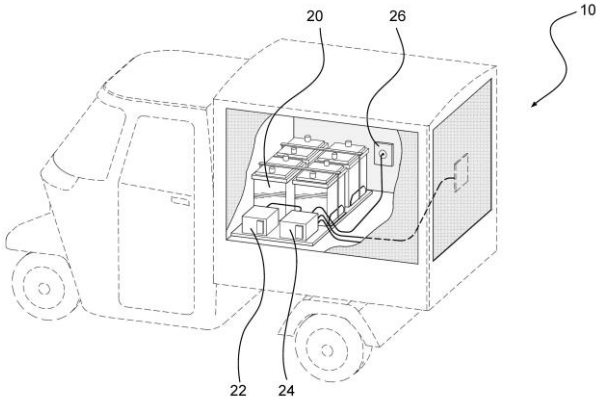


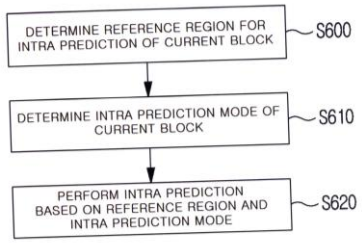
Fig. 1

21: 2020/07079. 22: 2020/11/13. 43: 2024/01/22
51: G09F; H04N
71: Pics On Wheels (Pty) Ltd.
72: NAIDOO, Trishen, NAIDOO, Anusuya, GOVENDER, Yovasen
33: ZA 31: 2019/05325 32: 2019-08-13
54: DIGITAL ADVERTISING VEHICLE AND MOBILE ADVERTISING METHOD
00: -
A digital advertising vehicle which includes a digital billboard mounted on the vehicle for displaying any of a video and a sequence of images, a hardware media controller installed in the vehicle and being connected to the digital billboard, and a battery installed in the vehicle and connected to the digital billboard for powering the digital billboard.

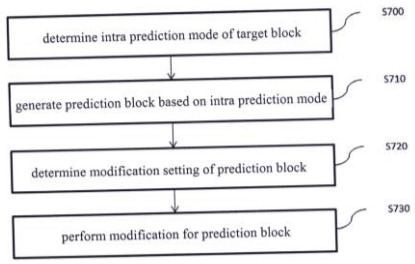


21: 2021/00897. 22: 2021/02/10. 43: 2024/01/30
51: A61L
71: CORTHOTEC LTD
72: KALLALA, Rami
33: GB 31: 1919285.5 32: 2019-12-24
54: COMPOSITION FOR IMPROVED BONE FRACTURE HEALING
00: -
The present invention relates to a composition for use as an adjunct in orthopaedic surgery, such as in the treatment of i) delayed fracture healing in bone, manifesting as either a delayed or non-union; ii) in a fusion procedure anywhere in the skeletal system, such as cranial, spinal, foot and ankle, or upper limb; and iii) for use as a bone void filler and to enhance bone in-filling in situations of bone loss such as following combat, e.g. blast injuries, or non-combat related trauma such as road-traffic accidents.

21: 2021/01431. 22: 2021/03/02. 43: 2024/02/06
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: KR 31: 10-2018-0107250 32: 2018-09-07
33: KR 31: 10-2018-0110815 32: 2018-09-17
33: KR 31: 10-2018-0112528 32: 2018-09-19
54: METHOD AND DEVICE FOR CODING/DECODING IMAGE USING INTRA PREDICTION
00: -
A method and a device for encoding/decoding an image according to the present invention may determine a reference region for intra prediction of a current block, derive an intra prediction mode of the current block on the basis of a predetermined MPM candidate group, and perform intra prediction on the current block on the basis of the reference region and the intra prediction mode.

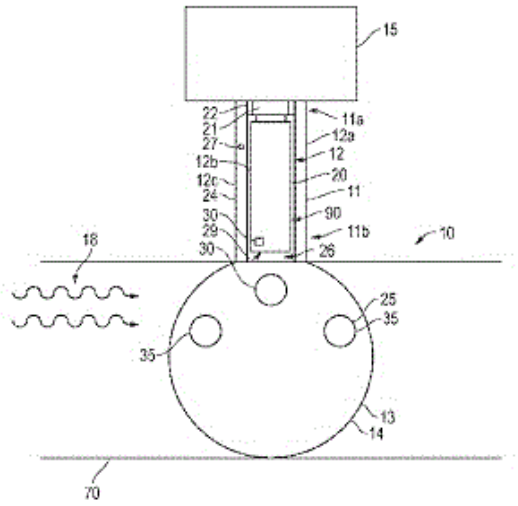


21: 2021/01432. 22: 2021/03/02. 43: 2024/02/06
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: KR 31: 10-2018-0107256 32: 2018-09-07
54: IMAGE ENCODING/DECODING METHOD AND DEVICE
00: -
Image encoding/decoding method and device according to the present invention enable deciding of an intra-screen prediction mode of a target block, generation of a prediction block of the target block on the basis of the intra-screen prediction mode, and correction of the generated prediction block.



21: 2021/02379. 22: 2021/04/12. 43: 2023/12/12
51: H04N
71: Huawei Technologies Co., Ltd.
72: SYCHEV, Maxim Borisovitch, SOLOVYEV, Timofey Mikhailovich, KARABUTOV, Alexander Alexandrovich, IKONIN, Sergey Yurievich, CHEN, Jianle
33: US 31: 62/786,344 32: 2018-12-29
33: US 31: 62/786,343 32: 2018-12-29
54: AN ENCODER, A DECODER AND CORRESPONDING METHODS USING COMPACT MV STORAGE
00: -
The invention provides a motion vector compression method, comprising: obtaining a temporal motion vector; determining a compressed motion vector using a binary representation of the temporal motion vector comprising an exponent part and/or a mantissa part, wherein the exponent part comprises N bits, the mantissa part comprises M bits, and wherein N is a non-negative integer and M is a positive integer; and performing a temporal motion vector prediction (TMVP) using the compressed motion vector.

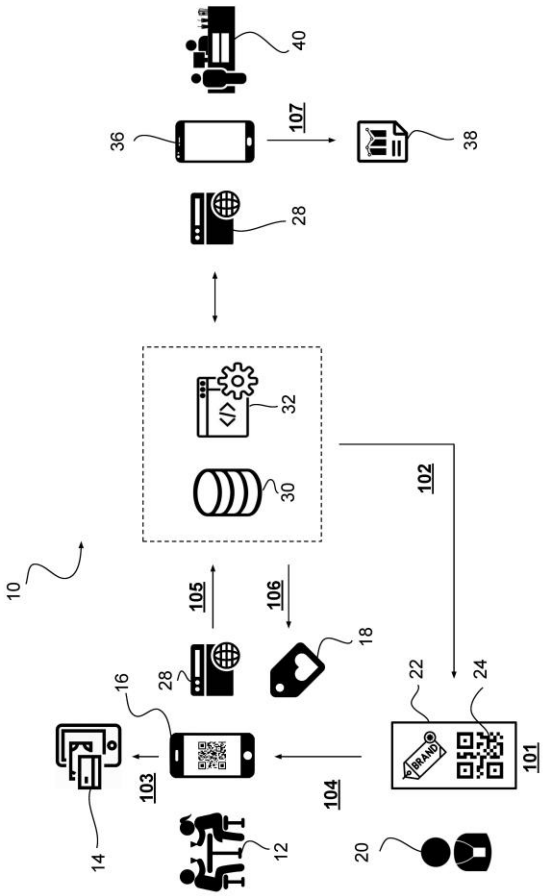
21: 2021/02385. 22: 2021/04/12. 43: 2023/12/14
51: F16K
71: BRAY INTERNATIONAL, INC.
72: SCHMIDT, JIM, DHRUVA, BRINDESH, KITCHENS, MICHAEL, ALLEN, STAN, BROWN, CRAIG
33: US 31: 62/744,793 32: 2018-10-12
54: SMART VALVE WITH INTEGRATED ELECTRONICS
00: -
The embodiments disclosed herein relate to an apparatus for monitoring a valve having a control element (13), wherein the control element is actuated by an actuator (15), including a valve stem (11) having a bore (12) therethrough, wherein the bore is defined by a wall of the valve stem, and further wherein the valve stem is connected at a first end to the actuator and at a second end to the control element; and an electronics module (20) within the bore of the valve stem, wherein the electronics module further includes one or more sensors (30) within the valve stem.



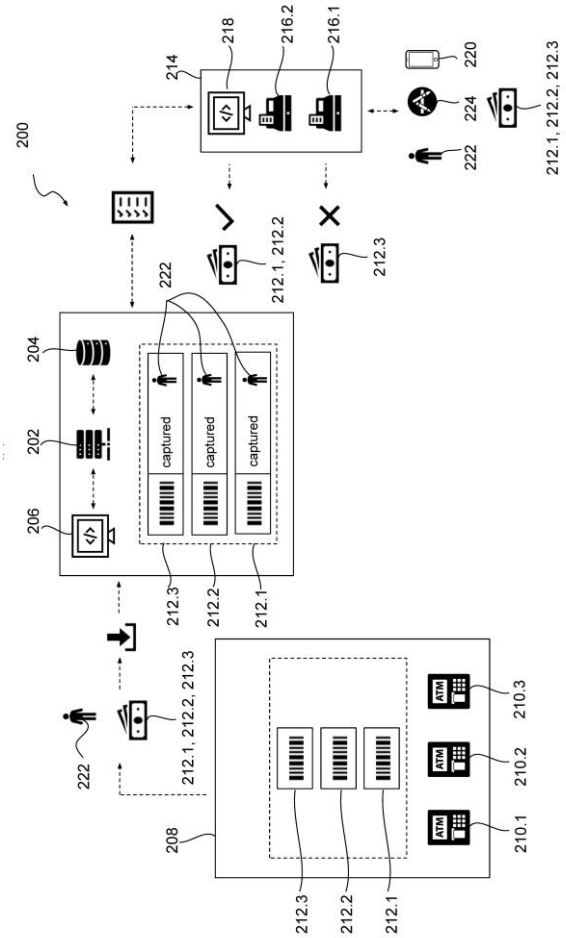
21: 2021/03274. 22: 2021/05/14. 43: 2024/01/22
51: A61K; A61P
71: VILJOEN, Anna Helena Martha
72: VILJOEN, Anna Helena Martha
33: ZA 31: 2020/02792 32: 2020-05-15
54: A COMPOSITION
00: -
A multi-mineral composition which includes ascorbic acid, calcium gluconate, magnesium carbonate, and a flavouring agent.

21: 2021/03813. 22: 2021/06/03. 43: 2024/01/24
51: G06Q
71: Dops Rewards (Pty) Ltd.
72: NAICKER, Lynton, PATEL, Nischal Kirankumar, ROYAN, Yolan Mayan
33: ZA 31: 2020/01428 32: 2020-03-06
54: METHOD AND SYSTEM OF ISSUING A PAYMENT TOKEN
00: -
A method of issuing a payment token at a token issuing and redemption system, comprising the steps of: issuing a merchant with a merchant reward device in the form of a machine-readable card, linking a product type to the merchant reward device, issuing a customer with a virtual customer identity, registering a customer purchase of a product belonging to the product type by the

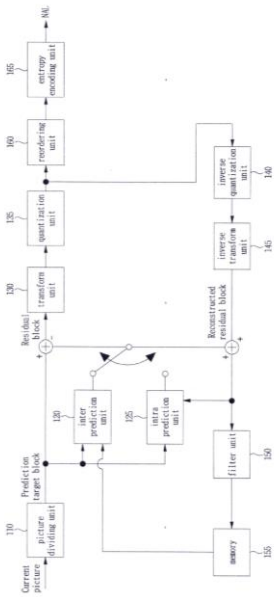
customer's presenting of the virtual customer identity at the merchant reward device, and issuing the customer with a virtual payment token in response to the customer purchase for the customer's subsequent redeeming of the token for a reward.



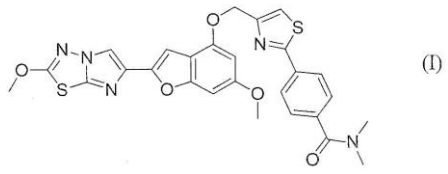
21: 2021/04245. 22: 2021/06/21. 43: 2024/02/01
51: G07D; G06Q
71: Safe Take Cash (Pty) Ltd.
72: VAN DER MERWE, Alwyn
33: ZA 31: 2018/07881 32: 2018-11-22
54: METHOD AND SYSTEM OF VALIDATING CASH TRANSACTIONS
00: -
A method and system of validating cash transactions which comprises capturing a unique identifier of a banknote, storing the unique identifier against a user identity of a user; and upon receiving the banknote as tender for payment, checking the unique identifier of the banknote against the user identity, requesting an authorization for release of the banknote for payment, and in response to receiving a successful authorization, transmitting an accept banknote message and in response to a failed authorization, transmitting a decline banknote message.



21: 2021/04512. 22: 2021/06/29. 43: 2024/02/06
51: H04N
71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.
72: KIM, Ki Baek
33: KR 31: 10-2018-0173164 32: 2018-12-28
33: KR 31: 10-2018-0173228 32: 2018-12-29
54: INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE
00: -
A video encoding/decoding method and device according to the present invention may: determine a reference area for the intra prediction of the current block; derive the intra prediction mode of the current block; and decode the current block on the basis of the reference area and the intra prediction mode.

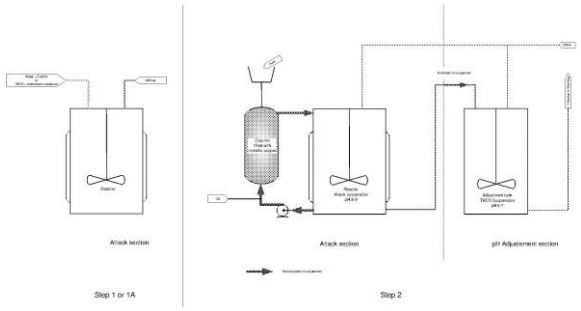


21: 2021/05115. 22: 2021/07/20. 43: 2023/11/29
51: C07C; C07D
71: Bristol-Myers Squibb Company
72: SCHLAM, Roxana F., CUNIERE, Nicolas, MBACHU, Victoria A., SHI, Zhongping, VLAHOVA, Petinka I.
33: US 31: 62/783,223 32: 2018-12-21
54: CRYSTALLINE FORMS OF A PAR4 INHIBITOR
00: -
The present invention relates to co-crystals of the compound of formula (I), wherein the co-former molecule is succinic acid or citric acid, processes for the preparation of the co-crystal, pharmaceutical compositions thereof, and methods of using the co-crystals for treating or preventing thromboembolic disorders.



(I)

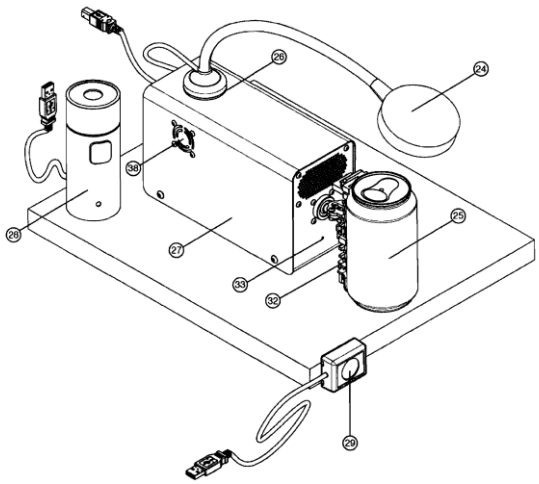
21: 2021/05432. 22: 2021/07/30. 43: 2023/12/11
51: A01N; C01G
71: UPL LTD
72: FERRIER, Frederic, CAVASSE, Philippe, PILLOT, Marc
33: FR 31: 19/01654 32: 2019-02-19
54: PROCESS FOR PREPARATION OF COPPER COMPOUNDS
00: -
The present invention relates to a process for preparation of copper fungicide compounds. More particularly, the present invention relates to a continuous process for production of tribasic copper sulphate (TBCS).



Example 1

21: 2021/05699. 22: 2021/08/11. 43: 2022/06/23
51: G09F
71: TOKINOMO MARKETING SA
72: VLAD CLUVE, Mircea Ioan
33: RO 31: a 2019 00056 32: 2019-02-01
54: SMART DEVICE FOR PROMOTING PRODUCTS ON A SHELF
00: -
The invention refers to a smart device for the promotion of shelf products which are exhibited in supermarkets, pharmacies, gas stations, DIY stores, etc. through sound, motion, light and smell when a consumer passes next to the shelf, used in advertising, marketing. The smart device for promoting products on a shelf is characterized in that it consists of a motion transmission system (T) installed in a box (1), a modular universal gripping system (32) made of metal or plastic, an integrated electronic circuit board (35) based on a microprocessor installed in the box (1) on which control and command components are installed; an electronically controlled magnet lamp (24), an electronically controlled smell dispenser (28), the lamp (24) and the dispenser (28) being installed outside the box (1); an audio system (A) consisting of a loudspeaker (34) installed inside the box (1) and an audio amplifier (37) installed on the electronic board (35); a motion sensor (29) detecting the consumer, and communication means (C) installed

on the electronic board (35) for bidirectional transmission/reception of the commands on the type of motion, the type and frequency of illumination, smell dispenser operating interval, the device's operating hours, the customized transmission of the audio/light message according to the consumer's characteristics, reports on the traffic in front of the shelf where the device is installed, and the number of interactions with the consumer, this information being uploaded on the web platform and sent as a report to the customers.



21: 2021/06610. 22: 2021/09/08. 43: 2023/12/12
51: C11D
71: Colgate-Palmolive Company
72: JHA, Brajesh, MOHAMMED, Evelyn, MUI, Vivian, MALDONADO, Raul Arellano, BARAI, Mayur
54: SOLID FABRIC CARE COMPOSITIONS AND METHODS FOR THE SAME
00: -
Fabric care compositions and methods for preparing the fabric care composition and delivering increased fragrance intensity to a fabric are provided. The fabric care composition may include a water hydratable solid and capsules dispersed in the water hydratable solid. The water hydratable solid may include one or more water soluble polymers, such as a hydroxyalkyl cellulose polymer, one or more cationic polymers, such as a polyquat, and one or more starches. The capsules may include a fragrance encapsulated therein.

21: 2021/06673. 22: 2021/09/09. 43: 2023/12/13
51: C12Q
71: MARKER DIAGNOSTICS UK LIMITED
72: BELLI, ANTONIO, DI PIETRO, VALENTINA
33: US 31: 62/805,761 32: 2019-02-14
33: US 31: 62/884,104 32: 2019-08-07
54: SALIVARY BIOMARKERS OF BRAIN INJURY
00: -
Methods of diagnosing, monitoring, treating, and predicting the course of traumatic brain injury (TBI), including mild traumatic brain injury (mTBI), include determining a level of at least one RNA biomarker (e.g., miRNA) in a saliva sample from a subject. Also described are sensor elements, detection systems, compositions, and kits for diagnosing, monitoring, treating, and predicting the course of TBI.

21: 2021/06922. 22: 2021/09/17. 43: 2023/12/18
51: B32B
71: Colgate-Palmolive Company
72: WANG, Jun
33: US 31: 62/843,691 32: 2019-05-06
54: DIMENSIONALLY STABLE RECYCLABLE PLASTIC PACKAGE
00: -
Described herein is a sheet comprising: a multi-layer structure comprising: a plurality of layers including an uppermost layer and a lowermost layer, each of the plurality of layers having a molecular orientation that results in a stress value for each layer; wherein the stress value of at least two of the plurality of layers are non-zero and different from one another; and wherein the multi-layer structure has a net stress value that is less than the greater stress value of the plurality of layers.

21: 2021/07431. 22: 2021/10/01. 43: 2023/12/13
51: A61K; A61P
71: ITM ISOTOPE TECHNOLOGIES MUNICH SE
72: MECKEL, MARIAN, OSL, THERESA, ZHERNOSEKOV, KONSTANTIN
33: EP 31: PCT/EP2019/061882 32: 2019-05-08
54: PARA-AMINOHIPPURIC ACID (PAH) AS A RENAL PROTECTIVE SUBSTANCE
00: -
The present application discloses para-aminohippuric acid (PAhI) or a pharmaceutically acceptable salt or carboxylic acid derivate thereof for use in a method for the reduction of nephrotoxic side effects of radiolabeled and non-radiolabeled therapeutic and diagnostic compounds in a subject. Also disclosed are pharmaceutical compositions

comprising a radiolabeled and/or non-radiolabeled pharmaceutical compound and para-aminohippuric acid (PAH) or a pharmaceutically acceptable salt or carboxylic acid derivate thereof, and a pharmaceutically acceptable excipient, diluent, carrier or a combination thereof. Another subject of the present application is a method for the reduction of nephrotoxic side effects of radiolabeled and non-radiolabeled therapeutic and diagnostic compounds in a subject comprising administering to a subject para-aminohippuric acid (PAH) or a pharmaceutically acceptable salt or carboxylic acid derivate thereof in combination with a radiolabeled or non-radiolabeled therapeutic or diagnostic compound.

21: 2021/07596. 22: 2021/10/08. 43: 2023/12/13
51: A23L; C02F; C12G; C12H
71: SEDUNA SCT SA
72: VARONE, JEAN-DANIEL
33: CH 31: 00393/19 32: 2019-03-26
54: DEVICE FOR TREATING LIQUIDS BY ELECTROMAGNETISM AND STIRRING
00: -
The invention relates to a fluid treatment device comprising a stirring element and at least one magnetic device. The stirring element has a plurality of flutes within its central portion, and the magnetic devices are placed around the stirring element. The device can further comprise a UV irradiation module and an on-line analysis module.

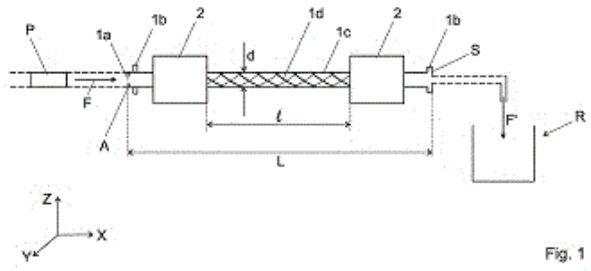


Fig. 1

21: 2021/07659. 22: 2021/10/11. 43: 2023/12/13
51: G08B
71: ALLBRO (PTY) LTD
72: DE WAAL, AREND, LAMPRECHT, QUINTIN
33: ZA 31: 2019/01483 32: 2019-03-11
54: CAMERA MOUNTING ARRANGEMENT
00: -
The invention concerns a camera mounting arrangement for mounting a camera. The mounting arrangement includes an enclosure for housing electrical connections between the camera and a surveillance system, a cover which is removably connectable to the enclosure to close off the enclosure when connected to the enclosure and a camera support for supporting the camera. The enclosure and camera support are off-set from one another such that the cover may be removed to allow access to the enclosure while the camera is supported by the camera support. The invention also concerns a method for mounting a camera.

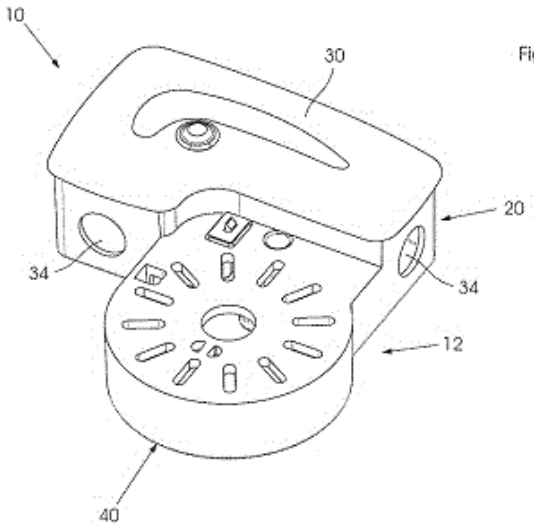
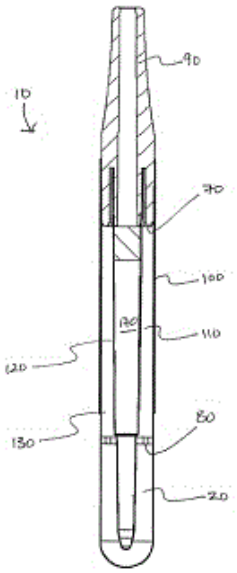


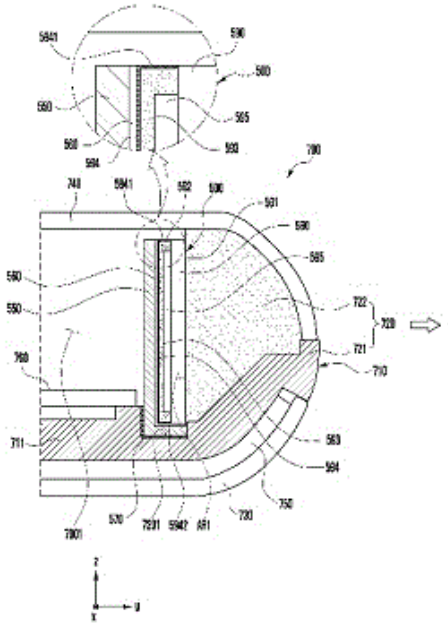
Fig. 1

21: 2021/07751. 22: 2021/10/13. 43: 2023/12/13
51: A24F; A61M; B65D
71: ALTRIA CLIENT SERVICES LLC
72: SELBY, RYAN DANIEL, KARKAIRAN, RYAN
33: US 31: 62/473,154 32: 2017-03-17
54: CLOSED BOTTOM VAPORIZER POD
00: -
A closed bottom vaporizer pod prevents vaporizable material from exiting the pod and entering into a heat source of a vaporizer. A closed bottom vaporizer pod further reduces contamination and/or fouling of a vaporizer and comprises a closed bottom capsule, at least one air inlet for drawing air into the closed bottom capsule, and at least one air outlet for drawing air out of the closed bottom capsule. An air flow path is created from the at least one air inlet, the closed bottom capsule, and the air outlet which prevents contamination of the vaporizer.



21: 2021/07778. 22: 2021/10/13. 43: 2023/12/13
51: A61K; A61P; C07K
71: INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY (ICGEB)
72: GIACCA, MAURO, RUOZI, GIULIA, BORTOLOTTI, FRANCESCA
33: GB 31: 1906052.4 32: 2019-04-30
54: PROTEINS WITH CARDIOPROTECTIVE ACTIVITY
00: -
A protein selected from the group consisting of Chrdl1, Fam3c, Fam3b and a fragment thereof, or a polynucleotide encoding therefor, for use in treating or reducing the risk of heart disease.

21: 2021/07822. 22: 2021/10/14. 43: 2023/12/04
51: H04M; H01Q; H05K
71: SAMSUNG ELECTRONICS CO., LTD.
72: SEO, SEUNGHAN, LEE, JONGPILL, JANG, CHANGWON
33: KR 31: 10-2019-0043503 32: 2019-04-15
54: ELECTRONIC DEVICE INCLUDING ANTENNA AND HEAT DISSIPATION STRUCTURE
00: -
Electronic device includes a housing including a conductive portion, an antenna module disposed in an inner space of the housing and including printed circuit board (PCB) disposed in the inner space, including a first surface and a second surface facing a direction opposite to the first surface, at least one antenna element disposed on the first surface of the PCB or near the first surface in the PCB, a wireless communication circuit disposed on the second surface and configured to transmit and/or receive a radio signal through the at least one antenna element, a protective member disposed on the second surface of the PCB to surround at least partially the wireless communication circuit, and a conductive shielding layer disposed on the protective layer, and a conductive member connected to the conductive portion of the housing and facing the conductive shielding layer of the antenna module at least in part.



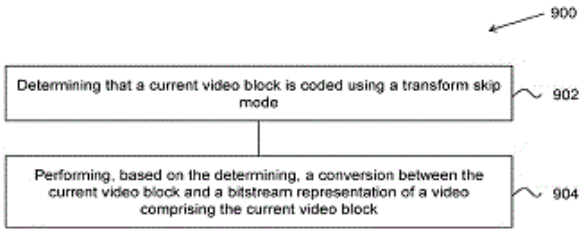
21: 2021/07825. 22: 2021/10/14. 43: 2023/12/13
51: A61K; C07K
71: ZEALAND PHARMA A/S
72: GIEHM, LISE, EDWARDS, ALISTAIR VINCENT GORDON
33: EP 31: 19180233.9 32: 2019-06-14
54: PHARMACEUTICAL PARENTERAL COMPOSITION OF DUAL GLP1/2 AGONIST
00: -
The present invention relates to pharmaceutical compositions suitable for parenteral administration in human subjects. In particular, the present invention relates to isotonic pharmaceutical compositions for parenteral administration.

21: 2021/07888. 22: 2021/10/15. 43: 2023/12/13
51: H04N
71: BYTEDANCE INC.
72: ZHU, WEIJIA, ZHANG, LI, XU, JIZHENG
33: CN 31: PCT/CN2019/083366 32: 2019-04-19

54: CONTEXT CODING FOR TRANSFORM SKIP MODE

00: -

Devices, systems and methods for coefficient coding in transform skip mode are described. An exemplary method for video processing includes determining, for encoding one or more video blocks in a video region of a visual media data into a bitstream representation of the visual media data, a maximum allowed dimension up to which a current video block of the one or more video blocks is allowed to be encoded using a transform skip mode such that a residual of a prediction error between the current video block and a reference video block is represented in the bitstream representation without applying a transform; and including a syntax element indicative of the maximum allowed dimension in the bitstream representation.

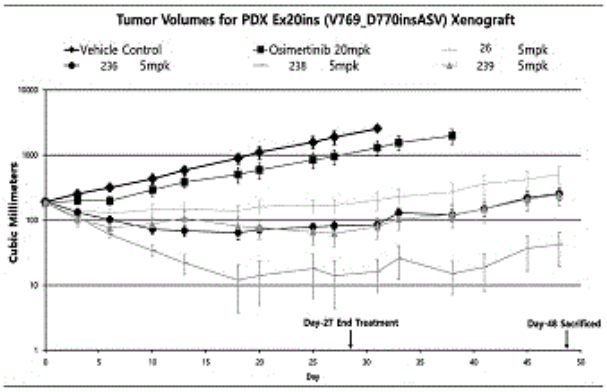


21: 2021/07889. 22: 2021/10/15. 43: 2023/12/13
51: C07D; A61K; A61P
71: VORONOI INC., VORONOIBIO INC., B2SBIO INC.
72: LEE, YOUN HO, KANG, JU HEE, KANG, SE IN, KIM, HWAN, KIM, SEUNG SU, SEOK, JI YOON, KO, YI KYUNG, KIM, DA EUN, HAN, AH REUM, RYU, MIN SEOK, HWANG, DONG KEUN, KO, EUN HWA, CHOI, HWAN GEUN, LEE, SUN HWA, SON, JUNG BEOM, KIM, NAM DOO
33: KR 31: 10-2019-0134472 32: 2019-10-28
33: KR 31: 10-2019-0031269 32: 2019-03-19

54: HETEROARYL DERIVATIVE, METHOD FOR PRODUCING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME AS EFFECTIVE COMPONENT

00: -

The present invention relates to a 6-(isooxazolidin-2-yl)-N-phenylpyrimidin-4-amine derivative, and a pharmaceutical composition for preventing or treating cancer comprising the compound as an effective component. The compound exhibits high inhibitory activity against an epidermal growth factor receptor (EGFR) variant, or wild-type or variants of one or more of ERBB2 and ERBB4, and thus may be usefully used in the treatment of cancers in which same are expressed. In particular, the compound exhibits excellent inhibitory activity on proliferation of lung cancer cell lines, and thus can be usefully used in the treatment of lung cancer.

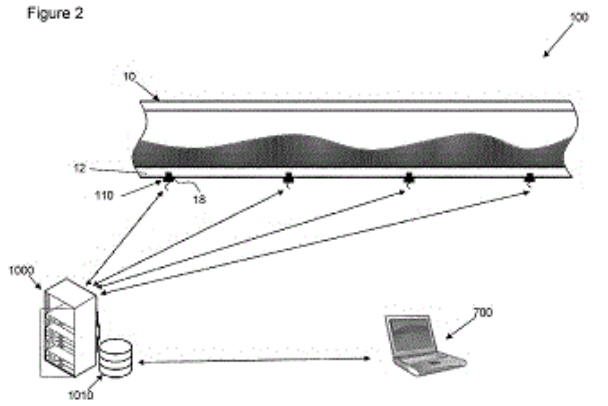


21: 2021/07952. 22: 2021/10/18. 43: 2023/12/13
51: G01B; G01N
71: 2C HOLDINGS PTY LTD
72: EAMES, COLIN NEIL, VAUGHAN, COREY
33: AU 31: 2019901154 32: 2019-04-04

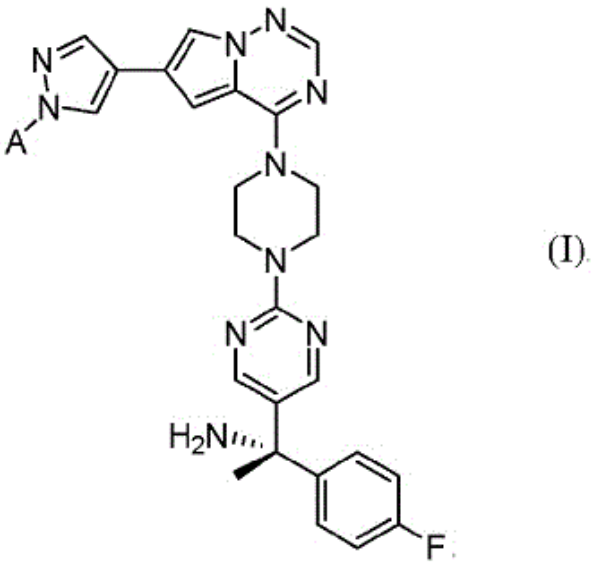
54: A PIPE WEAR MONITORING SYSTEM AND METHOD OF USE THEREOF

00: -

The present invention relates to a system and method for monitoring wear in pipes, particularly irregular wear in pipelines transporting abrasive fluids. The system includes a plurality of wear sensors spaced along a length of a pipe. Each wear sensor is configured to detect wear in a wall of the pipe. The system further includes at least one remotely accessible server operatively connected to the sensors for receiving and monitoring data output from said sensors. The server is configured to alert an operator when said data received from any one of the plurality of sensors is indicative of irregular wear in the wall of the pipe.



21: 2021/08104. 22: 2021/10/21. 43: 2023/12/13
51: C07D; A61P; A61K
71: BLUEPRINT MEDICINES CORPORATION
72: KIM, JOSEPH L, DINEEN, THOMAS A, GUZI, TIMOTHY
33: US 31: 62/911,016 32: 2019-10-04
33: US 31: 62/930,240 32: 2019-11-04
33: US 31: 62/833,529 32: 2019-04-12
54: PYRROLOTRIAZINE DERIVATIVES FOR TREATING KIT- AND PDGFRA-MEDIATED DISEASES
00: -
The present disclosure provides compounds of Formula I, pharmaceutical salts thereof, and/or solvates of any of the foregoing which are useful for treating diseases and conditions related to mutant KIT and PDGFRa and present an advantageously non-brain penetrant profile for treating diseases and conditions related to mutant KIT and PDGFRa. The present disclosure also provides methods for treating gastrointestinal stromal tumors and systemic mastocytosis.

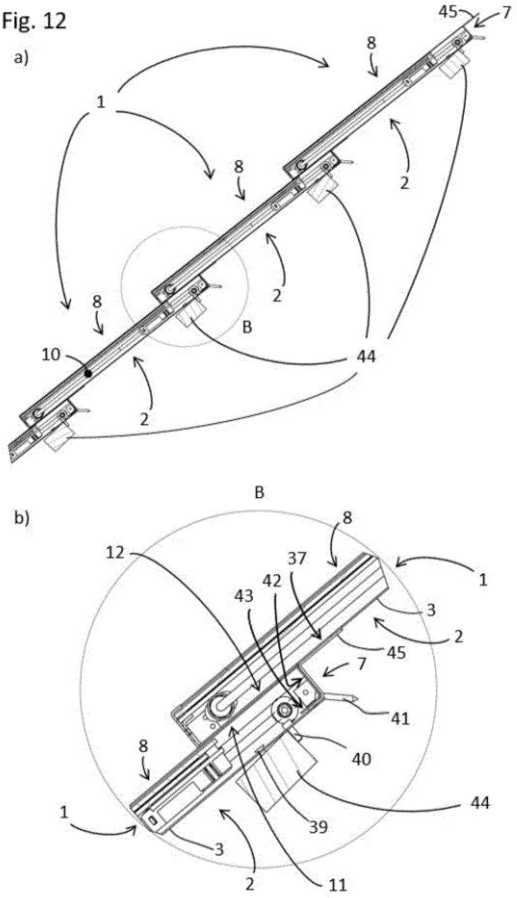


(I)

21: 2021/08214. 22: 2021/10/25. 43: 2024/02/06
51: H02S; F24S
71: MEYER BURGER (GERMANY) GMBH
72: HAKENBERG, Peter
33: DE 31: 10 2019 112 799.8 32: 2019-05-15
54: SOLAR ENERGY ROOF TILE, SOLAR ENERGY SYSTEM AND METHOD FOR OBTAINING ENERGY FROM SOLAR RADIATION
00: -
The invention relates to a solar energy roof tile, the shape of which substantially corresponds to the shape of a conventional roof tile and which is thermally and/or electrically conductively connectable to an adjacent solar energy roofing tile, having: - a lower face (2) for placing on a roof construction, at least in regions, - an upper face (8) opposite the lower face (2), which upper face is formed at least in regions by a solar energy utilization module, - two opposite lateral walls (5, 6), - a rear face (7) connecting the two lateral walls (5, 6), and - a front face (4) opposite the rear face (7) that also connects the two lateral walls (5, 6), wherein the two lateral walls (5, 6), the rear face (7) and the front face (4) together connect the lower face (2) and the upper face (8), such that a cavity (10) is formed between the two lateral walls (5, 6), the rear face (7), the front face (4), the lower face (2) and the upper face (8), wherein the lower face (2) has, in the region of the front face (4), a lower opening for providing access and the upper face (8) has, in the region of the rear face (7), an upper

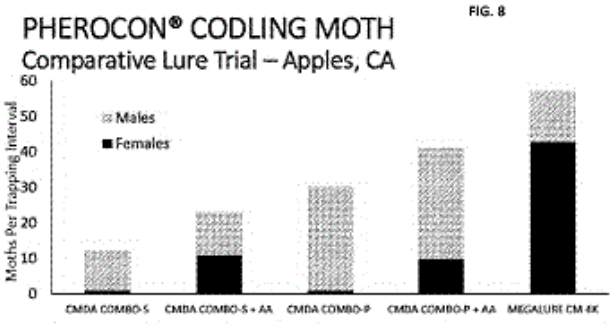
opening for providing access into the cavity (10) from the surroundings (U). The invention furthermore relates to a solar energy system and a method for obtaining energy from solar radiation and simultaneous use of the waste heat.

Fig. 12

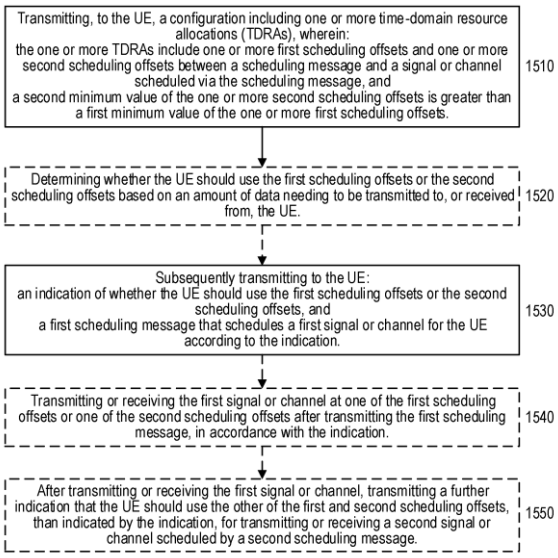


21: 2021/08274. 22: 2021/10/26. 43: 2023/12/13
51: A01N; A01M; A01P
71: TRECE, INC.
72: LINGREN, BILL, CHEBNY, VINCENT, MCKINNEY, VALERIE
33: US 31: 62/839,141 32: 2019-04-26
33: US 31: PCT/US2019/031386 32: 2019-05-08
33: US 31: 62/956,891 32: 2020-01-03
33: US 31: 16/800,821 32: 2020-02-25
54: PEST CONTROL INCLUDING COMBINED MATING DISRUPTION AND TRAPPING
00: -
Disclosed is a new highly effective lure for the attraction of insect species, such as codling moth. The lure optionally includes pear ester kairomone (DA), dimethyl nonatriene, linalool oxide, and acetic acid. This lure is optionally used to reduce populations of female insects in combination with mating disruption to improve the effectiveness of mating disruption. This combination of insect control strategies has been shown to produce unexpected synergistic benefits.

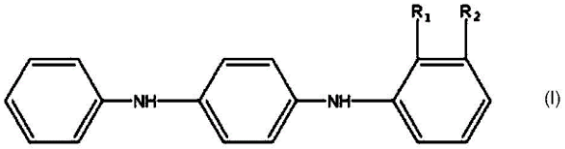
FIG. 8



21: 2021/08359. 22: 2021/10/28. 43: 2024/02/06
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: MALEKI, Sina, NADER, Ali, REIAL, Andres, NIMBALKER, Ajit
33: US 31: 62/828,218 32: 2019-04-02
54: NETWORK NODE, USER EQUIPMENT (UE), AND ASSOCIATED METHODS FOR SCHEDULING OF THE UE BY THE NETWORK NODE
00: -
Embodiments include methods, performed by a network node in a wireless network, for managing energy consumption of user equipment (UEs) served by the network node. Such methods include transmitting, to a UE, a configuration including one or more time-domain resource allocations (TDRAs). The TDRAs include one or more first scheduling offsets and one or more second scheduling offsets between a scheduling message and a signal or channel scheduled via the scheduling message. A minimum value of the second scheduling offsets is greater than a minimum value of the first scheduling offsets. Such methods also include transmitting, to the UE, an indication of whether the UE should use the first scheduling offsets or the second scheduling offsets, and a first scheduling message that schedules a first signal or channel for the UE according to the indication. Embodiments also include complementary methods perform by UEs, as well as network nodes and UEs.

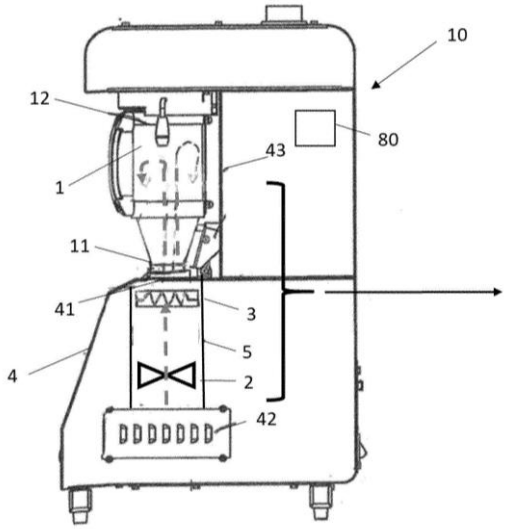


21: 2021/09305. 22: 2021/11/19. 43: 2023/12/05
51: C07C; C08K; C08L
71: Sennics Co., Ltd.
72: GAO, Yang, LI, Hui
33: CN 31: 201910516287.6 32: 2019-06-14
54: LOW-POLLUTION ANTIDEGRADANT COMPOUND AND ANTIDEGRADANT COMPOSITION AND RUBBER COMPOSITION COMPRISING THE SAME FOR TIRES
00: -
Antidegradant compound of Formula (I) and antidegradant composition comprising the same and rubber composition comprising the antidegradant compound or composition. The rubber composition has good resistance to appearance discoloration while maintaining the mechanical and anti-aging properties, thus, are suitable for making the entire tire or as part of the rubber matrix.



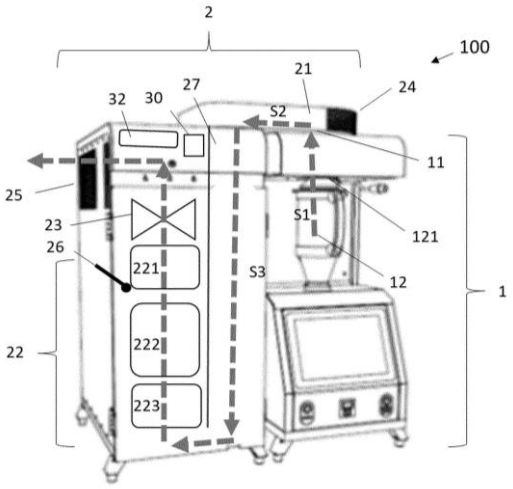
(I)

21: 2022/00398. 22: 2022/01/07. 43: 2023/12/06
51: A23N
71: Société des Produits Nestlé S.A.
72: CECCAROLI, Stefano, DUBIEF, Flavien Florent, MARTIN, Vincent, BRIGANTE, Stuart, GUREVITCH-BEACOCK, Paul
33: EP(CH) 31: 19180787.4 32: 2019-06-18
54: ROASTING APPARATUS
00: -
The invention concerns an apparatus (10) for roasting coffee beans comprising : - a roasting chamber (1) presenting a bottom opening (11), - an air driver (2) configured to drive a flow of air inside the roasting chamber through the bottom opening of said chamber, - an electrical heater (3) positioned below the bottom opening of the chamber configured to heat said flow of air driven to the bottom opening of the roasting chamber, wherein the apparatus comprises a conduit (6) to drive the flow of hot air from the heater (3) to the bottom opening (11) of the roasting chamber, and wherein said conduit (6) comprises a local transversal constriction (61), and wherein at least one temperature probe is positioned at said local transversal constriction (61) of the conduit.

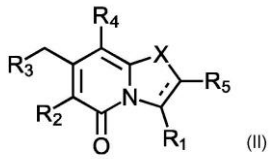


21: 2022/00461. 22: 2022/01/10. 43: 2023/12/06
51: A23N
71: Société des Produits Nestlé S.A.
72: MOREND, Joël, CECCAROLI, Stefano, DUBIEF, Flavien Florent, DEGREEF, Thomas, VAN DYCK, Ben, LEMMENS, Rien Denise M., CELIS, Michiel Alexander, VAN BAVINCHOVE, Christophe
33: EP(CH) 31: 19181452.4 32: 2019-06-20
54: SYSTEM FOR ROASTING COFFEE BEANS
00: -
The invention concerns a system for roasting coffee beans comprising : - a roasting apparatus (1), said apparatus producing smoke, and - a smoke treating unit (2) configured to collect and treat smoke produced by the roasting apparatus, wherein : - the roasting apparatus comprises a smoke outlet (11),

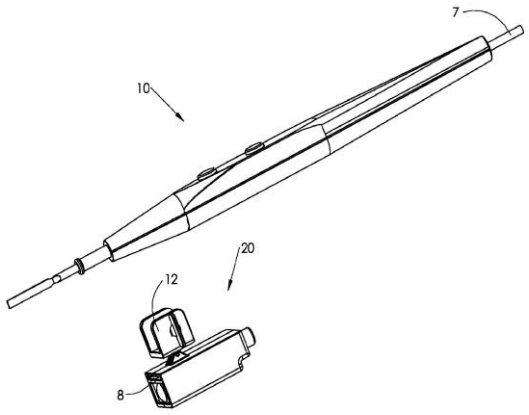
and - the smoke treating unit comprises :. a smoke inlet (21) configured to cooperate with the smoke outlet of the roasting apparatus,. a smoke filtering sub-unit (22) comprising at least an active carbon filter (221),. a smoke driver (23) configured to circulate smoke through the smoke treating unit from the smoke collecting device to an outlet (25) of the smoke treating unit, wherein the smoke treating unit (2) comprises an air inlet (24) configured to mix the smoke produced by the roasting apparatus (1) with ambient air before the smoke is circulated through the smoke filtering sub-unit (22).



21: 2022/00511. 22: 2022/01/11. 43: 2023/12/05
51: A61K; A61P
71: QureTech Bio AB, Washington University in Saint Louis
72: STALLINGS, Christina L., ALMQVIST, Fredrik, FLENTIE, Kelly, GOOD, James Arthur Dudley, PONTÉN, Fritiof
33: US 31: 62/319,838 32: 2016-04-08
54: RING-FUSED THIAZOLINO 2-PYRIDONES, METHODS FOR PREPARATION THEREOF AND THEIR USE IN THE TREATMENT AND/OR PREVENTION OF TUBERCULOSIS
00: -
The present disclosure provides a combination comprising: (i) a drug against tuberculosis, or a pharmaceutically acceptable salt thereof, and (ii) a compound of Formula (II), or a pharmaceutically acceptable combination thereof. The combination may be used in the treatment and/or prevention of tuberculosis.

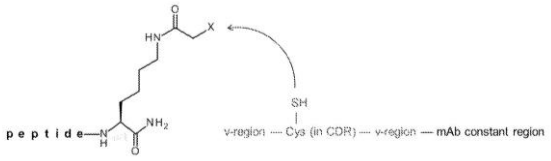


21: 2022/00597. 22: 2022/01/12. 43: 2023/12/06
51: A61B
71: Pathy Medical, LLC
72: PATHY, Vinod V., KLEYMAN, Gennady
33: US 31: 16/519,744 32: 2019-07-23
54: LIGHTING DEVICE FOR HANDHELD SURGICAL INSTRUMENT WITH SMOKE EVACUATION SYSTEM
00: -
A lighting device for attachment to a handheld electrosurgical instrument is disclosed, which includes an elongated housing having opposed proximal and distal end portions and defining an interior chamber containing a battery powered light assembly for illuminating a surgical site, the housing having at least one smoke evacuation passage that extends from an inlet located adjacent to or near the distal end portion of the housing to an outlet located adjacent to or near the proximal end portion of the housing for removing smoke generated at the surgical site.

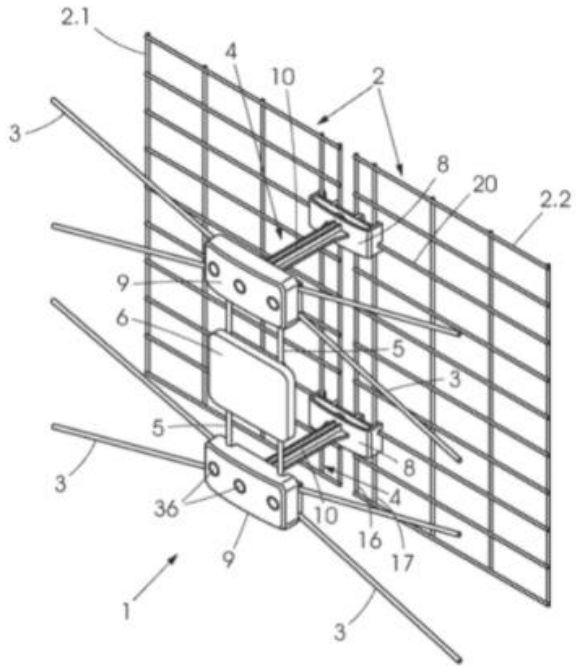


21: 2022/00648. 22: 2022/01/13. 43: 2023/12/05
51: A61K; C07K; C12P
71: Janssen Pharmaceutica NV
72: MACIELAG, Mark, PATCH, Raymond J., ZHANG, Rui, CASE, Martin A., WALL, Mark, ZHANG, Yue-Mei, RANGWALA, Shamina M., LEONARD, James N., CAMACHO, Raul C., HUNTER, Michael J., D'AQUINO, Katharine E., EDWARDS, Wilson, SWANSON, Ronald V., JIAN, Wenying, CHI, Ellen

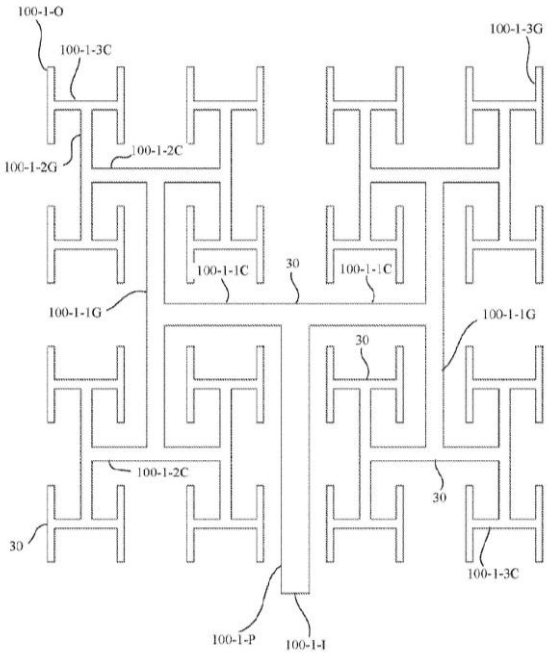
33: US 31: 62/413,586 32: 2016-10-27
33: US 31: 62/413,613 32: 2016-10-27
54: IMMUNOGLOBULINS AND USES THEREOF
00: -
The present invention relates to a monoclonal antibody platform designed to be coupled to therapeutic peptides to increase the half-life of the therapeutic peptide in a subject. The invention also relates to pharmaceutical compositions and methods for use thereof.



21: 2022/00954. 22: 2022/01/20. 43: 2023/11/03
51: H01Q
71: BICK, Anthony Aaron
72: CONFAIT, Jean-Pierre Julius, BICK, Anthony Aaron
33: ZA 31: 2019/04019 32: 2019-06-21
33: ZA 31: 2019/04875 32: 2019-07-25
54: A GRID ANTENNA
00: -
The invention relates to an ultra-high frequency television antenna (1) having a grid-type reflector (2) and an array of dipole elements (3) mounted onto two spaced apart, insulated supports (4). The reflector comprises at least two separate grid components(2.1; 2.2) that are releasably securable relative to each other to enable an overlapping, packing arrangement of the grid components. In use, the grid components are rigidly secured in an extended condition to provide a working grid assembly of the reflector. Each pair of dipole elements is provided by a dipole assembly comprising a V-shaped rod with a fixed mounting plate and a captive tightening screw.



21: 2022/01008. 22: 2022/01/21. 43: 2023/12/05
51: A61F; A61L; A61M; B01F; B01L; C12M; C12N
71: The General Hospital Corporation
72: VACANTI, Joseph P., HANCOCK, Matthew J., OLIVER, Mark S., SPANN, Andrew P.
33: US 31: 62/676,602 32: 2018-05-25
54: ADDITIVE MANUFACTURE OF COMPLEX IMPLANTABLE LIVING DEVICES
00: -
A cell-scaffold device includes at least one channel network including an inlet, a plurality of channels include a parent channel having an end portion communicating with the inlet and another end portion communicating with a first bifurcation, forming two child channels. Each child channel has an end portion communicating with a respective end portion of the first bifurcation and another end portion communicating with a second bifurcation, forming two grand-child channels from each child channel. Each grand-child channel has an end portion communicating with a respective end portion of the second bifurcation and another end portion. The other end portion of the grand-child channel either forms an outlet or a third child channel in communication with the grand-child channel. Each forming of grand-child channels defines a generation of the fractal structure. The devices are of use as scaffolds for seeding, growing, and maintaining cells implanted in and/or on the device.



21: 2022/01154. 22: 2022/01/25. 43: 2024/02/08
51: A61K; C07D; A61P
71: SEA4US - BIOTECNOLOGIA E RECURSOS MARINHOS, LDA.
72: DOS SANTOS BALTAZAR DE LIMA, Pedro Afonso, SZWARC DOS SANTOS, Beatriz, MAÇO ABREU, Ana Rosa, PINHEIRO BASTOS, André Emanuel, GOMES, Rui, LOPES DE SOUSA, Marisa Isabel, MONTEIRO SERRÃO, Joana Maria, PENA LINO, Sílvia Patrícia, DA SILVEIRA MÁXIMO, Patrícia Isabel, PINTO FERREIRA, Luísa Maria, DE SÉRIO BRANCO, Paula Cristina, ROSADO SABINO, Vanessa Alexandra, HIM TONG, Ming, CLAUDETREMBLEAU, Laurent Alain, FERREIRA DA COSTA LOURENÇO, Ana Maria, SEGÃO MONDRAGÃO, Miguel Angelo, SOVELA MOURÃO, Henrique
33: PT 31: 115685 32: 2019-07-31
54: NITENIN ANALOGUE COMPOUNDS AND THEIR USE IN THE TREATMENT OF CHRONIC AND ACUTE PAIN
00: -
The present disclosure relates to nitenin analogue compounds (of formulas I, II, III and IV) and their use as pharmaceutical agent in the treatment, prevention or reduction of both acute and chronic pain. The mode of action disclosed herein allows nitenin and nitenin analogue compounds to act as analgesic through reduction of K+ currents rather than their potentiation. Related to their high efficacy in the treatment of pain, these compounds are highly selective for slow voltage-activated potassium (K+) currents expressed in the small diameter dorsal root neurons (sDRGns), mainly on those mediated by the voltage-dependent potassium channel (KV), KV1.3. Such findings, together with those showing that nitenin and nitenin analogue compounds act as activity dependent blockers also lead to very reduced side-effects. The results disclosed herein show that nitenin and nitenin analogue compounds described herein are a viable alternative to the already existing pharmaceutical compounds used in the treatment of pain.

21: 2022/01222. 22: 2022/01/26. 43: 2023/12/05
51: A61K; A61P; C07D
71: Dizal (Jiangsu) Pharmaceutical Co., Ltd.
72: ZENG, Qingbei, QI, Changhe, TSUI, Honchung, YANG, Zhenfan, ZHANG, Xiaolin
33: PCT(CN) 31: 2018/105220 32: 2018-09-12
54: TRIAZOLO-PYRIMIDINE COMPOUNDS AND USES THEREOF
00: -
The present disclosure relates to novel triazolo-pyrimidine compounds targeting adenosine receptors (especially A1 and A2, particularly A2a). The present disclosure also relates to pharmaceutical compositions comprising one or more of the compounds as an active ingredient, and use of the compounds in the treatment of adenosine receptor (AR) associated diseases, for example cancer such as NSCLC, RCC, prostate cancer, and breast cancer.

21: 2022/01351. 22: 2022/01/28. 43: 2024/01/22
51: F42B; F42D; G16Y
71: SINKO, Harry
72: HARTMAN, Johannes Erasmus Greeff
33: ZA 31: 2020/06741 32: 2020-10-29
54: BLAST HOLE DATA CAPTURE DEVICE AND BLAST HOLE MONITORING SYSTEM
00: -
A blast hole data capture device and monitoring system which includes at least one detachable sensor node; one or more sensors; and a sensor connector, the one or more sensors being operatively installed in a blast hole at a mining bench and connected to the at least one detachable sensor node via the sensor connector (in an attached state) for measurement of blast hole sensor data and

transmission of blast hole sensor information to a user prior to a blast, and the one or more sensors being disconnected (in a detached state) from the at least one detachable sensor node during the blast.

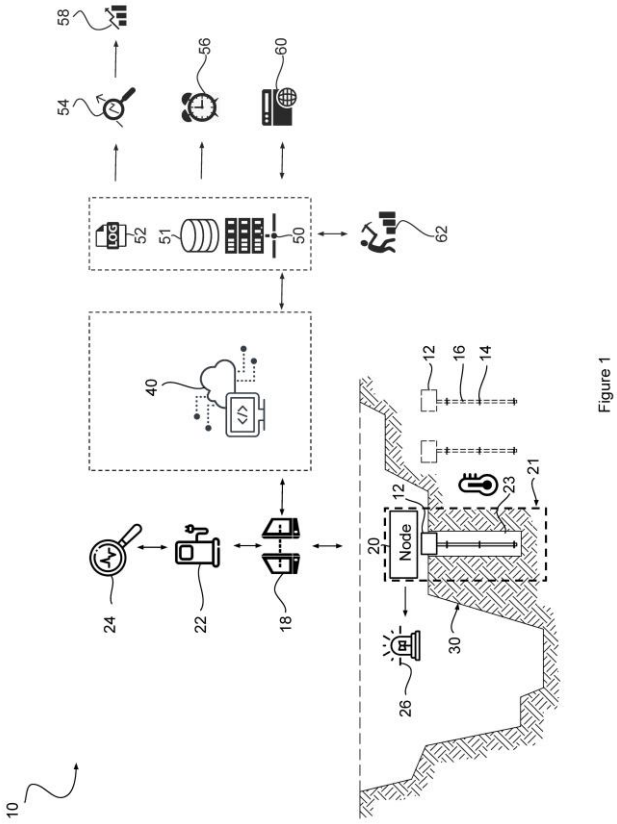
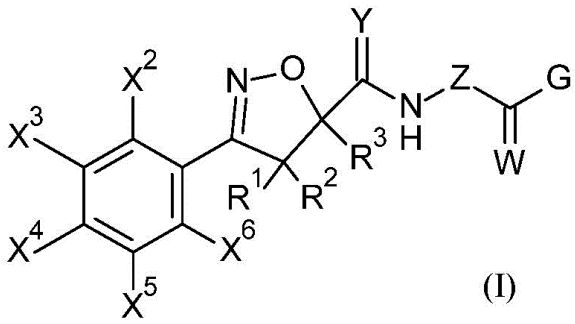


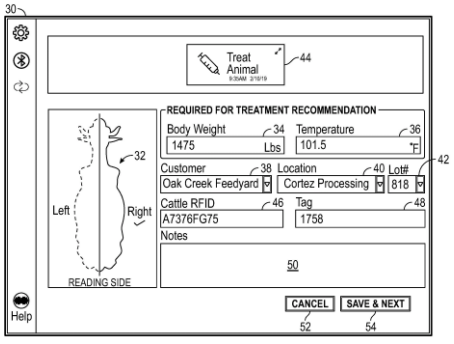
Figure 1

21: 2022/01533. 22: 2022/02/03. 43: 2023/12/06
51: A01N; A01P
71: Bayer Aktiengesellschaft
72: LORENTZ, Lothar, HAAF, Klaus Bernhard, TRABOLD, Klaus, MENNE, Hubert, GATZWEILER, Elmar, ROSINGER, Christopher Hugh
33: EP(DE) 31: 19184436.4 32: 2019-07-04
54: HERBICIDAL COMPOSITIONS
00: -
The present invention relates to compositions comprising herbicidally active compounds (A) and (B), wherein (A) represents one or more compounds of the general formula (I) or agrochemically compatible salts thereof [component (A)], and (B) represents one or more herbicides [component (B)]. The application further relates to a process and to the use of the herbicidal composition of the invention for weed control or for growth regulation.



(I)

21: 2022/01568. 22: 2022/02/04. 43: 2023/12/06
51: G06F
71: Intervet International B.V.
72: SCHELLER, Robert S., NICKELL, Jason, NATARAJ, Akshaya
33: US 31: 62/883,937 32: 2019-08-07
54: SYSTEM AND METHOD FOR DETERMNING STATUS OF HEALTH OF ANIMALS ARRIVING AT A FEED LOCATION
00: -
A system and method are provided for screening and treating respiratory diseased animals such as livestock. Health measurements are taken of incoming animals to a location such as a feed yard. The measurements are used as inputs to an algorithm. Processing of the algorithm results in a prediction whether the animal is likely to become sick. A treatment decision is automatically generated by processing of the algorithm for display to a user. A "treat" decision may trigger a predetermined treatment protocol for the particular evaluated animal, while a "don't treat" decision allows the animal to be released.



21: 2022/01784. 22: 2022/02/10. 43: 2023/12/06
51: C07D
71: Ono Pharmaceutical Co., Ltd.

72: OTANI, Shuhei, FUJITO, Takayuki, IMURA, Naoko, KIJIMA, Hideomi, PARENT, Stephan D., BEVILL, Melanie Janelle, JOHNSON, Courtney S., HOUSTON, Travis Lee
33: US 31: 62/889,091 32: 2019-08-20

54: SALT AND CRYSTAL FORM OF COMPOUND HAVING AGONISTIC ACTIVITY TO S1P5 RECEPTOR

00: -

[Problem] The present invention addresses the problem of providing: a compound having a improved balance of agonistic activity to $S1P_5$ receptors in relation to $S1P_1$ receptors; and forms c the compound that are suitable for serving as an active pharmaceutical ingredient. [Solutior Provided is a compound I having highly $S1P_5$ receptor-selective agonistic activity in relation t $S1P_1$ receptors. Also provided are crystal forms of the compound I disclosed in the present inventior salts of the compound I, and crystal forms of the salts serving as an active pharmaceutica ingredient.

21: 2022/01902. 22: 2022/02/14. 43: 2023/12/06
51: B65D
71: Société des Produits Nestlé S.A.
72: DOGAN, Nihan
33: EP(CH) 31: 19189304.9 32: 2019-07-31

54: CONTAINER FOR BEVERAGE PREPARATION

00: -

The invention relates to a coffee layer structure and to containers for beverage preparation. According to one of the containers, the container comprises a compartment (91) containing ground coffee particles (1, 2) to be extracted, wherein the compartment (91) is adapted to be traversed by a flow of water under pressure from an injection wall (89) of the container towards a dispensing wall (92) of the container for preparing a beverage from the coffee particles (1, 2), wherein the coffee particles (1, 2) comprise: a first group of first coffee particles (1) having a first volume moment mean D[4,3], and a second group of second coffee particles (2) having a second volume moment mean D[4,3] and being arranged downstream of the first group of first coffee particles (1), wherein the second group of second coffee particles (2) is in direct contact with the dispensing wall (92), wherein the second volume moment mean is greater than the first volume moment mean.

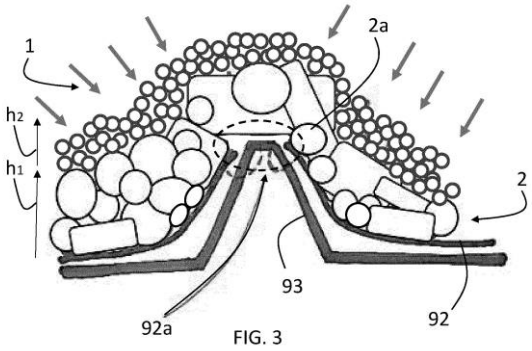


FIG. 3

21: 2022/02114. 22: 2022/02/18. 43: 2023/12/05
51: H04N
71: Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung E.V.
72: SÁNCHEZ DE LA FUENTE, Yago, SÜHRING, Karsten, HELLGE, Cornelius, SCHIERL, Thomas, SKUPIN, Robert, WIEGAND, Thomas
33: EP(DE) 31: 19192413.3 32: 2019-08-19

54: USAGE OF ACCESS UNIT DELIMITERS AND ADAPTATION PARAMETER SETS

00: -

Video decoder comprising a decoding core (94) configured to reconstruct a decoded picture using motion compensated prediction and transform-based residual decoding from one or more video coding units (100) within an access unit, AU, of a video data stream to obtain a reconstructed version (46a) of the decoded picture; an in-loop filter (90) configured to filter the reconstructed version of the decoded picture to obtain a version (46b) of the decoded picture to be inserted into the decoded picture buffer (92), DPB, of the video decoder; and a parametrizer configured to parametrize the in-loop filter by reading in-loop filter control information for parametrizing the in-loop filter from one or more parameter sets (102, 104) located within the access unit, AU, of the decoded picture which follow, along data stream order, the one or more video coding units (100), and/or a portion (106) of the one or more video coding units (100) following, along data stream order, data (108) comprised by the one or more video coding units (100), which carries block-based prediction parameter data and prediction residual data, and parametrizing the in-loop filter so as to filter the reconstructed version of the decoded picture in a manner depending on the in-loop filter control information.

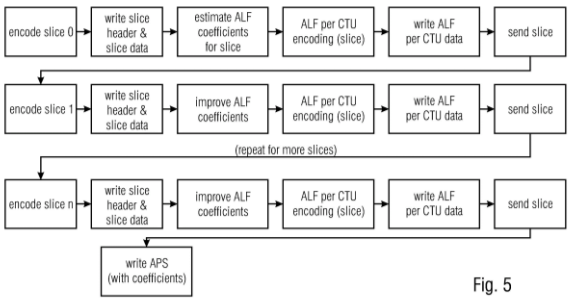
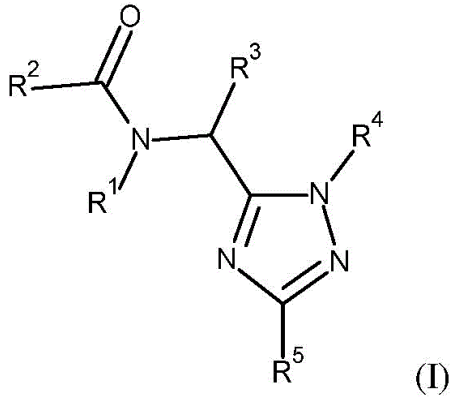
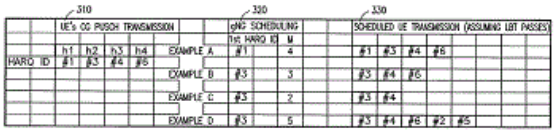


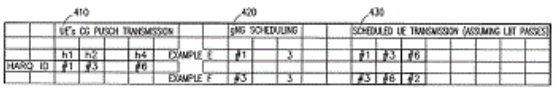
Fig. 5

21: 2022/02238. 22: 2022/02/22. 43: 2023/12/06
51: A01N; C07D
71: Bayer Aktiengesellschaft
72: SCHWARZ, Hans-Georg, ARLT, Alexander, JESCHKE, Peter, CANCHO GRANDE, Yolanda, FÜßLEIN, Martin, LINKA, Marc, LÖSEL, Peter, EBBINGHAUS-KINTSCHER, Ulrich, DAMIJONAITIS, Arunas Jonas, TURBERG, Andreas, MANDZHULO, Oleksandr, HEISLER, Iring
33: EP(DE) 31: 19187899.0 32: 2019-07-23
54: NOVEL HETEROARYL-TRIAZOLE COMPOUNDS AS PESTICIDES
00: -
The present invention relates to novel heteroaryl-triazole compounds of the ge formula (I), in which the structural elements R_1, R_2, R_3, R_4 and R_5 have the meaning giv the description, to formulations and compositions comprising such compounds and for use in the control of animal pests including arthropods and insects in plant protection a their use for control of ectoparasites on animals.


(I)

21: 2022/02308. 22: 2022/02/23. 43: 2023/12/12
51: H04L
71: NOKIA TECHNOLOGIES OY
72: LUNTTILA, Timo, SCHOBER, Karol, ROSA, Claudio
54: METHOD FOR SCHEDULING RETRANSMISSIONS FOR CONFIGURED GRANTS IN NR-UNLICENSED
00: -
In accordance with example embodiments of the invention there is at least a method and apparatus to perform receiving, by a network device, information comprising a multiple transmission time interval uplink grant with cyclic redundancy check bits scrambled by a radio network temporary identifier; determining, by the network device of a communication network, a subset of data transmissions of a previous burst of data transmissions to be retransmitted by the network device; and performing by the network device retransmission of the subset of data transmissions using scheduled resources of the uplink grant. In addition, to perform determining, by a network node of a communication network, information comprising a multiple transmission time interval uplink grant with cyclic redundancy check bits scrambled by a radio network temporary identifier to identify a subset of data transmissions of a previous burst of data transmissions to be retransmitted by a network device; and sending the information towards the network device for use in retransmission of the subset of data transmissions using scheduled resources of the uplink grant.

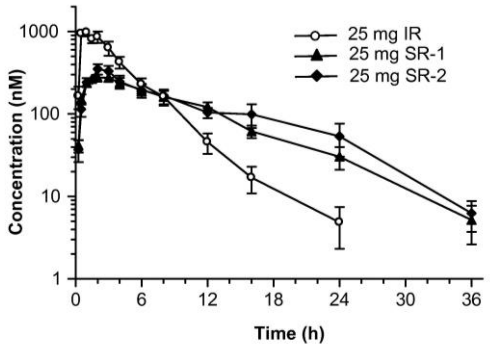

FIG.3


FIG.4

21: 2022/02559. 22: 2022/03/02. 43: 2023/12/04
51: A61K; A61P; C07D
71: Amgen Inc.
72: LANMAN, Brian Alan, CHEN , Jian, REED, Anthony B., CEE, Victor J., LIU, Longbin, KOPECKY, David John, LOPEZ, Patricia, WURZ, Ryan Paul, NGUYEN, Thomas T., BOOKER, Shon, NISHIMURA, Nobuko, SHIN, Youngsook, TAMAYO, Nuria A., ALLEN, John Gordon, ALLEN, Jennifer Rebecca
33: US 31: 62/509,629 32: 2017-05-22
54: KRAS G12C INHIBITORS AND METHODS OF USING THE SAME
00: -
Provided herein are KRAS G12C inhibitors, composition of the same, and methods of using the same. These inhibitors are useful for treating a

number of disorders, including pancreatic, colorectal, and lung cancers.

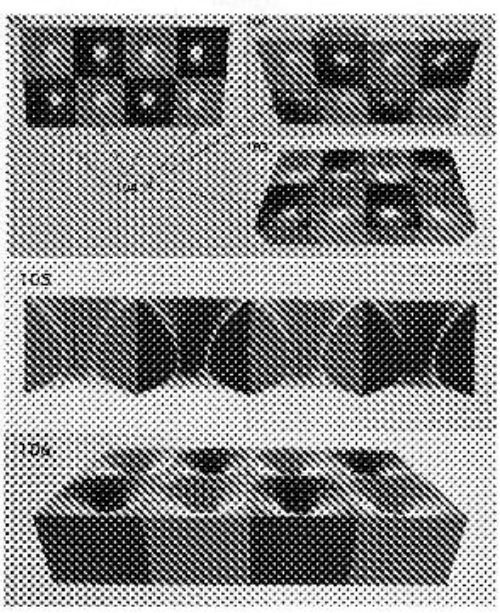
21: 2022/02711. 22: 2022/03/07. 43: 2023/12/06
51: A61K
71: Incyte Holdings Corporation
72: NI, Yong, PARIKH, Bhavnish, YELESWARAM, Krishnaswamy, ERICKSON-VIITANEN, Susan, WILLIAMS, William V.
33: US 31: 61/726,893 32: 2012-11-15
54: SUSTAINED-RELEASE DOSAGE FORMS OF RUXOLITINIB
00: -
The present invention relates to sustained-release formulations and dosage forms of ruxolitinib, or a pharmaceutically acceptable salt thereof, which are useful in the treatment of Janus kinase-associated diseases such as myeloproliferative disorders.



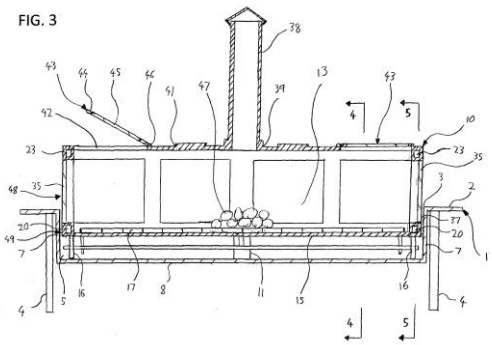
21: 2022/02965. 22: 2022/03/11. 43: 2023/12/18
51: A01N; C07C
71: Adama Agan Ltd.
72: COHEN, Carmen, NIEGO, Jack
54: A PROCESS FOR PREPARATION OF A UREA DERIVATIVE
00: -
The present disclosure relates to an improved process for preparation of a urea derivative, said process comprising effecting dropwise addition of an isocyanate compound to a biphasic system containing an aqueous solution of an amine compound and an organic aprotic solvent to obtain the urea derivative. In an embodiment, the amine compound is reacted with the isocyanate compound at a molar ratio ranging from 1:1.2 to 1:3.5.

21: 2022/02966. 22: 2022/03/11. 43: 2023/12/05
51: A61K
71: Catalent U.K. Swindon Zydis Limited
72: MCLAUGHLIN, Rosaleen, HOWES, Simon Andrew Martyn, WHEADON, Craig, WHITEHOUSE, Jonathon
33: US 31: 62/809,307 32: 2019-02-22
54: MINIMIZING AGGLOMERATION OF DRUG PARTICLE COATING MATERIAL DURING STORAGE TO STABILIZE DISINTEGRATION TIMES OF PHARMACEUTICAL PRODUCTS
00: -
Provided are pharmaceutical compositions and methods for preparing pharmaceutical compositions using solventless mixing methods. Excess coating material that is not bound to a coated API particle may be removed by a sieving process. Coating and dosing ratios can also be optimized to minimize the amount of excess unbound coating material. Specifically, a coating ratio and/or a dosing ratio can be used to minimize the residual amount of excess unbound coating material to minimize agglomeration of coating material during storage. In some embodiments, a pharmaceutical composition is provided, the pharmaceutical composition comprising: 65-85 % w/w API particles; 15-30 % w/w coating material coating the API particles; and 3-15 % w/w matrix surrounding the coated API particles, wherein the pharmaceutical composition comprises a disintegration time rate of less than 10 seconds for at least six months under storage conditions of at least 25°C and at least 60 % relative humidity.

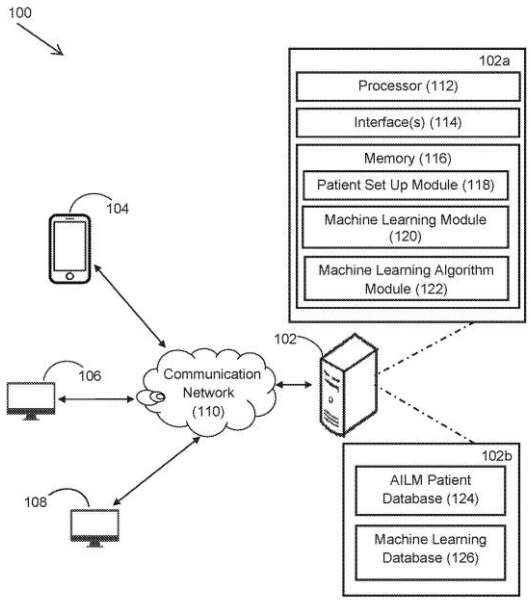
21: 2022/03113. 22: 2022/03/15. 43: 2023/12/08
51: F03D
71: CALLE MADRID, Alfredo Raúl
72: CALLE MADRID, Alfredo Raúl
54: WIND WALL
00: -
The invention relates to a wind wall, which is a solid structure made up of one or more wind cells, organised adjacent to one another in a modular manner, where each wind cell has an inlet opening and an outlet opening, where the internal surface comprised from the inlet opening to the outlet opening has the shape of an upper wing profile in revolution, and where the inlet opening and the outlet opening have equal or substantially equal dimensions. Thus, the one or more wind cells make it possible to increase the wind speed within a critical space and, therefore, to increase the wind power available to be used by the rotor of a windmill.



21: 2022/03241. 22: 2022/03/18. 43: 2023/12/05
51: A47B; A47J; F24C
71: The Cashmere Caveman Co, Wild Kitchens Limited
72: RITCHIE, Guy Stuart, TRUE, Nigel
33: GB 31: 1713935.3 32: 2017-08-31
54: A TABLE HAVING A HEATING APPLIANCE
00: -
A table (1) has a table top (2) containing an opening (3). A heating appliance (10) is in the opening (3) wherein the heating appliance (10) extends at least beneath the table top (2). The table top opening (3) comprises a recess (5) in which the heating appliance (10) is received, and the recess (5) has at least one wall (7) below the table top (2). The heating appliance (10) has a substantially sealed chamber (13) for receiving combustible fuel (47) with which the heating appliance (10) is used, and the chamber (13) has at least one window (35, 45).



21: 2022/03465. 22: 2022/03/24. 43: 2023/12/06
51: G06F; G06Q
71: Patientory, Inc.
72: MCFARLANE, Chrissa Tanelia
33: US 31: 16/656,220 32: 2019-10-17
54: SYSTEM AND METHOD FOR DETERMINING BEST PRACTICES FOR THIRD PARTIES ACCESSING A HEALTH CARE NETWORK
00: -
A system and a method for determining best practices for third parties accessing a health care network are described. The method comprises providing a user device for allowing a patient to connect to a health care network implemented over blockchain, providing a third party device for allowing the third parties to connect to the health care network. The method further comprises receiving, from a third party, a request for accessing data of the patient and a first parameter related to the patient. The first parameter is correlated with patients' data, using an Artificial Intelligence (AI) engine, to identify a second parameter relevant for the patient. The second parameter is provided to the third party, for being used as a best practice by the third party.

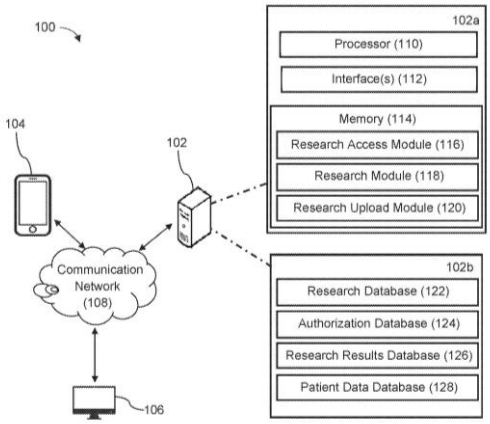


21: 2022/03466. 22: 2022/03/24. 43: 2023/12/11
51: G06F; G16H
71: Patientory, Inc.
72: MCFARLANE, Chrissa Tanelia
33: US 31: 16/584,573 32: 2019-09-26

54: SYSTEM AND METHOD FOR PROVIDING ACCESS OF A USER'S HEALTH INFORMATION TO THIRD PARTIES

00: -

A system and a method for providing access of a user's health information are described. The method comprises providing a Health Information Exchange (HIE) server implemented over a blockchain network. The HIE server stores health information of a plurality of users. Further, a user device is present in communication with the HIE server. An access of the user's health information is provided to a third party, based on a user's permission, for performing a research on the user's health information. The user's health information is stored on the blockchain network. The user may be allowed to access results of the research stored on the blockchain network.

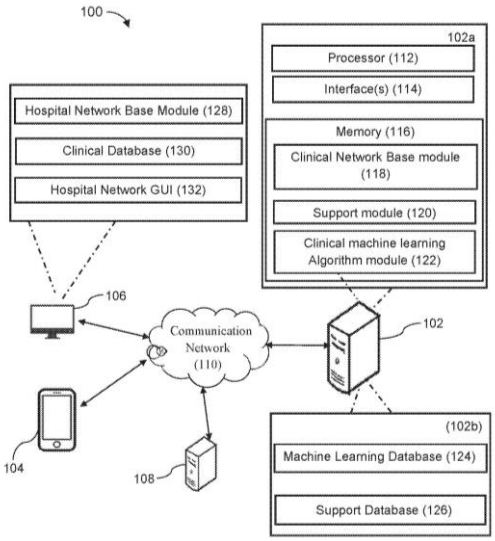


21: 2022/03467. 22: 2022/03/24. 43: 2023/12/13
51: G06F
71: Patientory, Inc.
72: MCFARLANE, Chrissa Tanelia
33: US 31: 16/583,143 32: 2019-09-25

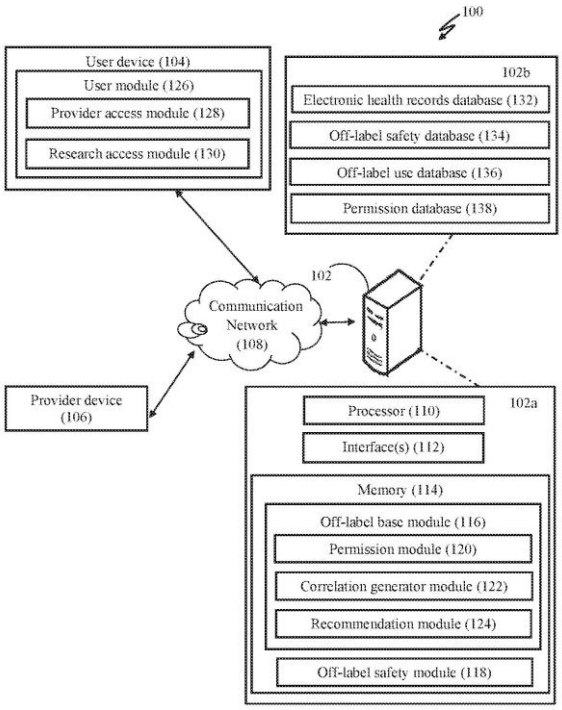
54: UTILIZING A USER'S HEALTH DATA STORED OVER A HEALTH CARE NETWORK FOR DISEASE PREVENTION

00: -

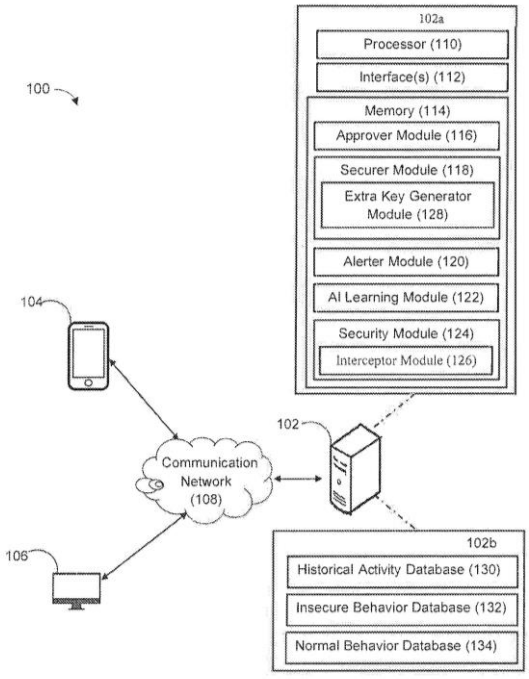
A system and a method for utilizing a user's health data stored over a health care network, for disease prevention are described. The method comprises providing a user device for allowing the user to manage access of the user's health data to a third party. The user data is correlating, using a machine learning algorithm module, with similar data of other users for suggesting a next best action to be performed by the third party, for preventing occurrence of a disease to the user.



21: 2022/03469. 22: 2022/03/24. 43: 2023/12/11
51: G06F
71: Patientory, Inc.
72: MCFARLANE, Chrissa Tanelia
33: US 31: 16/583,130 32: 2019-09-25
54: SYSTEM AND METHOD FOR MANAGING OFF-LABEL DRUG USE WITHIN A HEALTH CARE NETWORK
00: -
A system and method for managing off-label drug use within a health care network is disclosed herein. The system includes a Health Information Exchange system for managing off-label drug use within a health care network. The health information exchange system may comprise one or more user interfaces. The one or more user interfaces may be accessed by one or more users via one or more user devices. Additionally, the health information exchange system may be connected with a user device and a provider device through a communication network. Furthermore, the system may comprise a group of components for managing off-label drug use within the health care network. The group of components may include a processor, interface(s), and a memory. The memory may include an off-label base module and an off-label safety module. The off-label base module may include a permission module, a correlation generator module, and a recommendation module.



21: 2022/03471. 22: 2022/03/24. 43: 2023/12/05
51: G06F
71: Patientory, Inc.
72: MCFARLANE, Chrissa Tanelia
33: US 31: 16/584,605 32: 2019-09-26
54: SYSTEM AND METHOD OF ENHANCING SECURITY OF DATA IN A HEALTH CARE NETWORK
00: -
A system and a method of enhancing security of data in a health care network are described. The method includes providing a Health Information Exchange (HIE) server implemented over the blockchain to store users' health information and providing a user device present in communication with the HIE server. Events of accessing a user's health information may be monitored using an Artificial Intelligence (AI) learning module to determine a typical access pattern. All access requests may be compared with the typical access pattern to determine an unusual access behavior corresponding to malicious attempts for breach of the user's health information. The user may be reported about such unusual access behavior to enhance the security of data.



21: 2022/03685. 22: 2022/03/30. 43: 2023/12/06
51: G06K
71: S.D. Sight Diagnostics Ltd
72: PECKER, Sharon, ESHEL, Yochay Shlomo, ZAIT, Amir, GLUCK, Dan, YORAV-RAPHAEL, Noam, HOURI YAFIN, Arnon, LEVY SCHREIER, Sarah, POLLAK, Joseph Joel, LEVNER, Daniel, HALPERIN, Yonatan, LEZMY, Natalie, WEISS, Itamar
33: US 31: 62/924,229 32: 2019-10-22
54: ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS
00: -
Apparatus and methods are described including preparing a blood sample for analysis by depositing the blood sample within a sample chamber (52), and placing the sample chamber, with the blood sample deposited therein, within a microscopy unit (24). One or more microscopic images of the sample chamber (52) with the blood sample deposited therein are acquired, using a microscope of the microscopy unit. Based upon the one or more images, an amount of one or more cell types within the sample chamber that had already settled within the sample chamber, prior to acquisition of the one or more microscopic images is determined. A characteristic of the sample is determined, at least partially in response thereto. Other applications are also described.

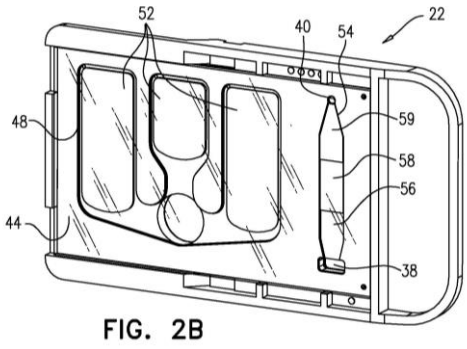


FIG. 2B

21: 2022/03773. 22: 2022/04/01. 43: 2023/12/05
51: B67D
71: OAM GmbH
72: OBERHOFER, Timm
33: DE 31: 10 2019 213 421.1 32: 2019-09-04
54: TAP AND CONTAINER OR BEER KEG HAVING A TAP
00: -
A tap (3) for the removal of liquid from a container (1), in particular for the removal of beer from a beer keg, preferably a 5L party beer keg, comprises a sleeve (4), a piston (9), which can be drawn at least partially out of the sleeve (4), and an outlet head (8) which adjoins the piston (9), can be pivoted preferably in relation to the longitudinal axis of the piston and has an outlet (16) and an actuating means (11), which is preferably assigned to the outlet or arranged downstream of the same, wherein the actuating means (11) serves to draw the piston (9) out of the sleeve (4) and thereby activate the tap (3) and to pivot the outlet head (8) and thereby open a flow path, extending at least partially through the sleeve (4) and the piston (9), to the outlet (16) and thereby for tapping purposes. The essential factor here is for the actuating means (11) to comprise a handle (12) for drawing the piston (9) out of the sleeve (for activation purposes) and also an actuating lever (13), which is connected to the handle and is intended for pivoting the outlet head (for tapping purposes).

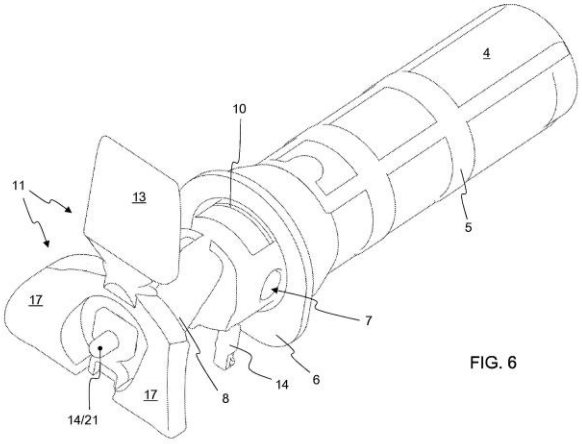
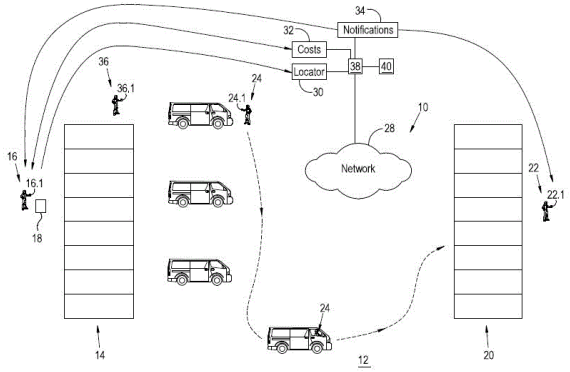
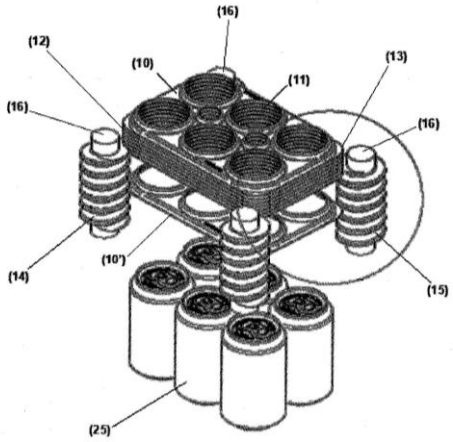


FIG. 6

21: 2022/03911. 22: 2022/04/06. 43: 2023/11/28
51: G06K; G06Q; G08B
71: Dacius, MABUNDA
72: Dacius, MABUNDA
33: ZA 31: 2021/02045 32: 2021-03-26
54: PACKAGE DELIVERY METHOD AND SYSTEM
00: -
A package delivery method is provided, using a taxi (and minibus) network comprising a plurality of taxi ranks, one of which serves the role of a sender taxi rank, where a sender of the package drops off the package to be delivered, and another one of which serves the role of a receiver taxi rank, where a receiver of the package awaits the arrival of the package. The method comprises providing a mobile application on mobile devices associated with each of the sender, the receiver and a taxi driver who will commence his route or trip at the sender taxi rank and stop at the receiver taxi rank, so as to link and provide a common communication platform for communication and updates in respect of the package to be delivered from the sender, via the sender taxi rank, to the receiver, via the receiver taxi rank.



21: 2022/03985. 22: 2022/04/07. 43: 2023/12/06
51: B65B; B65D
71: E6PR, S.A.P.I. DE C.V.
72: GARCÍA CENDEJAS, Juan Francisco
33: MX 31: MX/u/2019/000467 32: 2019-09-20
54: EDIBLE CAN HOLDER WITH FLAPS
00: -
The utility model of the present invention relates to a modification to the configuration and structure of a can holder produced from a paste of biodegradable, recycled, 100% organic, compostable, edible pulp. The modification relates to a flap, protuberance, tab, tapered area or tongue having a thickness of 0.75-1.8 mm and a radius of R20 in its widest area, the modification being placed at each corner of the can holder.



21: 2022/03986. 22: 2022/04/07. 43: 2023/12/06
51: B60B; B60C
71: GACW Incorporated
72: KEMENY, Zoltan
33: US 31: 16/596,302 32: 2019-10-08
54: WHEEL ASSEMBLY INCLUDING SIDEWALL COVER ASSEMBLY AND RELATED METHODS

00: -
A wheel assembly (730) to be coupled to a hub of a vehicle, may include an inner rim (731) to be coupled to the hub of the vehicle, an outer rim (733) surrounding the inner rim (731), and gas springs (750) operatively coupled between the inner rim (731) and the outer rim (733) to provide a gas suspension permitting relative movement between the inner rim (731) and the outer rim (733). The wheel assembly (730) includes a sidewall cover assembly (701a, 701b) that includes an inner sidewall cover (793) coupled to the inner rim (731) and extending radially outward toward the outer rim (733). The sidewall cover assembly also includes an outer sidewall cover (794) coupled to the outer rim (733) and extending radially inward toward the inner rim (731) and in sliding overlapping relation with the inner sidewall cover (793) permitting relative movement between the inner sidewall cover (793) and the outer sidewall cover (794).

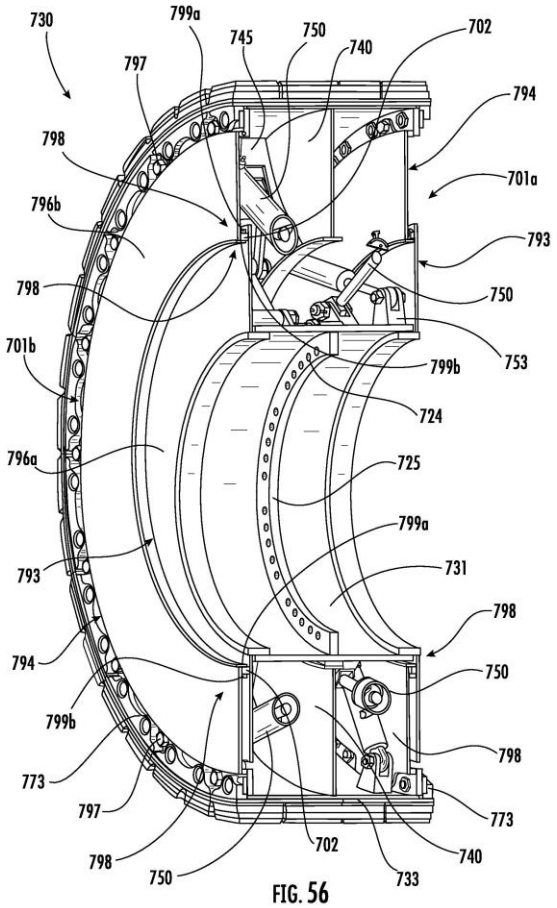


FIG. 56

21: 2022/05133. 22: 2022/05/10. 43: 2024/02/01
51: G05B
71: WEBILL (PTY) LIMITED
72: ROSENBERG, Ayal, VENTER, Pieter
33: ZA 31: 2021/03485 32: 2021-05-13
54: SYSTEM, METHOD AND DEVICE FOR TIME-OF-USE METERING
00: -
The invention relates to a time-of-use metering system 10, method and a utility meter interface device 12, more particularly to a time-of-use metering system, method and utility meter interface device for a pre-paid utility, enabling remote, near real-time and secure pre-paid utility time-of-use metering within a low-power wide-area network 100 by means of a back end 24 comprising a business intelligence module for calculating a charge based on utility usage as received from a utility meter interface device 12 in communication with a utility meter 14.

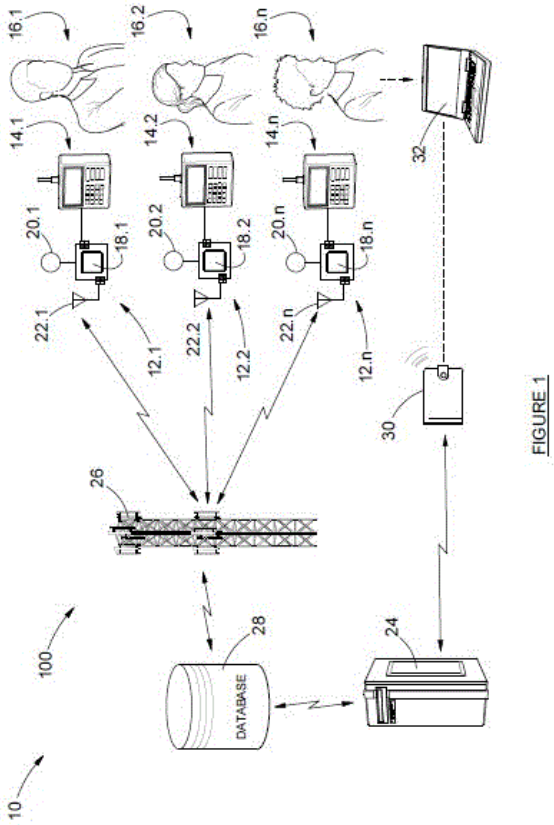


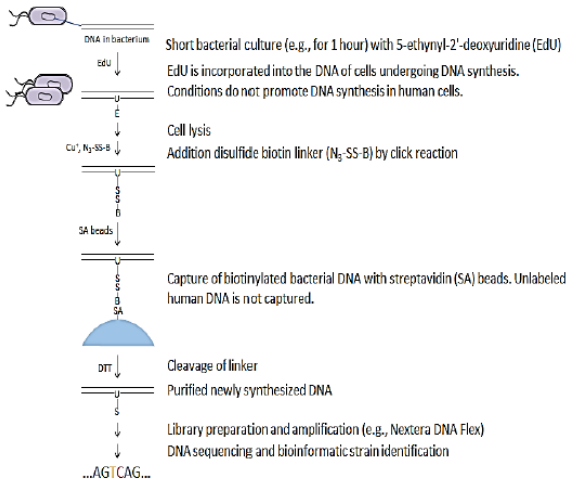
FIGURE 1

21: 2022/05350. 22: 2022/05/13. 43: 2023/09/18
51: C01B; D01F
71: TANGOLD INC.
72: CHEN, Weixing

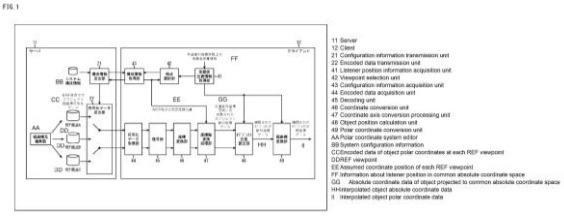
33: US 31: 62/916,680 32: 2019-10-17
33: US 31: 62/925,672 32: 2019-10-24
54: FABRICATION OF CARBON FIBERS WITH HIGH MECHANICAL PROPERTIES
00: -
A method of fabricating carbon fibers includes the steps of: (a) melting asphaltene solids in a sealed vessel; (b) spinning melted asphaltenes to fabricate green fibers; (c) stabilizing the green fibers; (d) carbonizing the stabilized green fibers; and (e) optionally graphitizing carbonized fibers.

21: 2022/05383. 22: 2022/05/16. 43: 2024/02/08
51: A61K; C07K; A61P
71: NOVAGO THERAPEUTICS AG
72: COMBALUZIER, Benoit, MAURER, Michael Andreas, VIANNA, Eduardo Paulo Morawski
33: EP 31: 19205006.0 32: 2019-10-24
54: NOVEL ANTI-NOGO-A ANTIBODIES
00: -
Provided are novel human-derived monoclonal neutralizing Nogo-A specific antibodies as well as fragments, derivatives and variants thereof as well as methods related thereto. Polynucleotides, vectors, host cells and kits related to the Nogo-A specific antibodies are also provided. The antibodies, immunoglobulin chain(s), as well as binding fragments, derivatives and variants thereof can be used in pharmaceutical and diagnostic compositions for Nogo-A targeted immunotherapy and diagnosis, respectively.

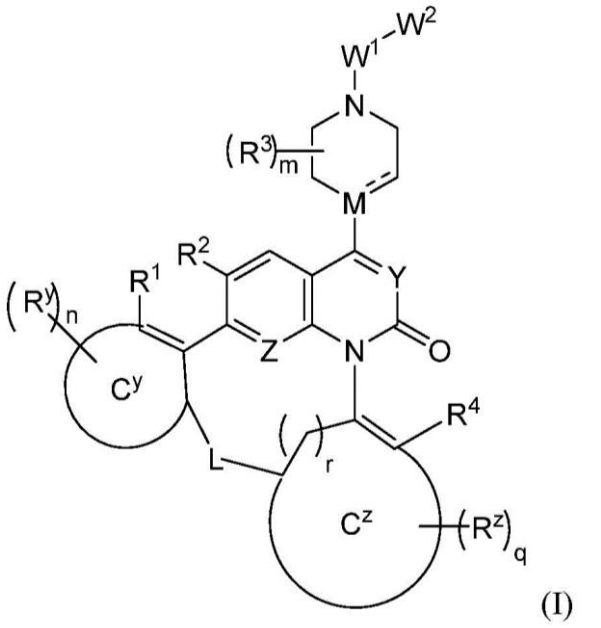
21: 2022/05645. 22: 2022/05/23. 43: 2024/02/15
51: C12Q
71: ILLUMINA, INC.
72: WANG, Clifford Lee
33: US 31: 62/840,322 32: 2019-04-29
54: IDENTIFICATION AND ANALYSIS OF MICROBIAL SAMPLES BY RAPID INCUBATION AND NUCLEIC ACID ENRICHMENT
00: -
The disclosure relates to methods, compositions, and kits for the identification and analysis of microorganisms in a sample using nucleoside or nucleotide analogs.



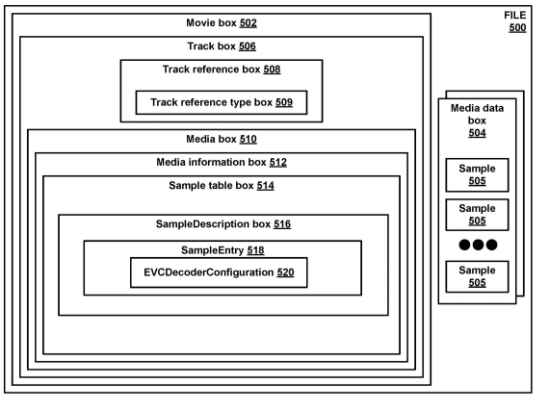
21: 2022/05741. 22: 2022/05/24. 43: 2023/12/11
51: H04S
71: Sony Group Corporation
72: HATANAKA, Mitsuyuki, CHINEN, Toru
33: JP 31: 2020-002148 32: 2020-01-09
54: INFORMATION PROCESSING DEVICE AND METHOD, AND PROGRAM
00: -
The present technology relates to an information processing device and a method, and a program which make it possible to reproduce content based on the intention of content producer. This information processing device comprises: a listener position information acquisition unit that acquires listener position information for a viewpoint of a listener; a reference viewpoint information acquisition unit that acquires position information for a first reference viewpoint and object position information for an object at the first reference viewpoint, and position information for a second reference viewpoint and object position information for the object at the second reference viewpoint; and an object position calculation unit that calculates position information for the object at the viewpoint of the listener on the basis of the listener position information, the first reference viewpoint position information and the object position information for the object at the first reference viewpoint, and the second reference viewpoint position information and the object position information for the object at the second reference viewpoint. The present technology can be applied to a content reproduction system.



21: 2022/05938. 22: 2022/05/27. 43: 2023/12/12
51: A61K; A61P; C07D
71: Merck Sharp & Dohme LLC
72: BHARATHAN, Indu, GATHIAKA, Symon, GRAHAM, Thomas H., HAN , Yongxin, HENDERSON, Timothy, HENNESSY, Elisabeth, MA, Xiaoshen, OTTE, Ryan, PALANI, Anandan, SLOMAN, David L.
33: US 31: 62/926,879 32: 2019-10-28
54: SMALL MOLECULE INHIBITORS OF KRAS G12C MUTANT
00: -
The disclosure provides compounds of Formula (I) or a pharmaceutically acceptable salt thereof, wherein W^1, W^2, Y, Z, M, L, C^y, C^z, R^1, R^2, R^3, R^4, R^{2a}, R^y, R^z and the subscripts m, n, q, and r are as described herein. The compounds or their pharmaceutically acceptable salts can inhibit the G12C mutant of Kirsten rat sarcoma (KRAS) protein and are expected to have utility as therapeutic agents, for example, for treating cancer. The disclosure also provides pharmaceutical compositions which comprise compounds of Formula (I) or pharmaceutically acceptable salts thereof. The disclosure also relates to methods for use of the compounds or their pharmaceutically acceptable salts in the therapy and prophylaxis of cancer and for preparing pharmaceuticals for this purpose.



21: 2022/06888. 22: 2022/06/21. 43: 2023/12/12
51: H04N
71: QUALCOMM Incorporated
72: STOCKHAMMER, Thomas, BOUAZIZI, Imed, RUSANOVSKYY, Dmytro
33: US 31: 62/958,561 32: 2020-01-08
54: STORAGE AND DELIVERY OF VIDEO DATA FOR VIDEO CODING
00: -
A device for processing video data can be configured to receive a configuration record for decoding a bitstream of the video data, wherein the configuration record for the bitstream includes a toolset indication syntax element that includes information identifying, from a set of video decoding tools, tools that are required to decode the bitstream associated with the configuration record; based on the toolset indication syntax element, determine whether to retrieve the bitstream associated with the configuration record; and based on the determination to retrieve the bitstream associated with the configuration record, retrieve the bitstream and outputting the bitstream to a video decoder for decoding.



21: 2022/07857. 22: 2022/07/14. 43: 2023/12/12
51: B65D
71: Société des Produits Nestlé S.A.
72: NORDQVIST, David, PAVAN, Chiara
33: EP(CH) 31: 20195814.7 32: 2020-09-11
54: COMPOSTABLE TOP LID STRUCTURE FOR A BEVERAGE PREPARATION CAPSULE
00: -
The invention relates to a capsule (100) for preparing a beverage in a beverage production machine. The capsule (100) comprises a capsule body (200) with a sidewall (210) delimiting a chamber (250) for containing a substance (500) for the preparation of the beverage and an injection wall (220) for injecting a fluid in the chamber (250) for preparing the beverage upon interaction of the fluid with the substance (500). The capsule (100) further comprises a delivery wall (300) that is connected to the capsule body (200) to close the chamber (250). The delivery wall (300) comprises, in a layered manner, a retention layer (320) for being opened upon interaction with opening elements under the effect of rising pressure of fluid being injected into the capsule (100) and a filter layer (310) for filtering out particles from the prepared beverage. Each of the filter layer (310) and the retention layer (320) is made of biodegradable material. The filter layer (310) is provided opposite to the chamber (250) with respect to the retention layer (320). The invention also relates to a method for manufacturing the capsule (100) and use of the capsule (100) for preparing a beverage.

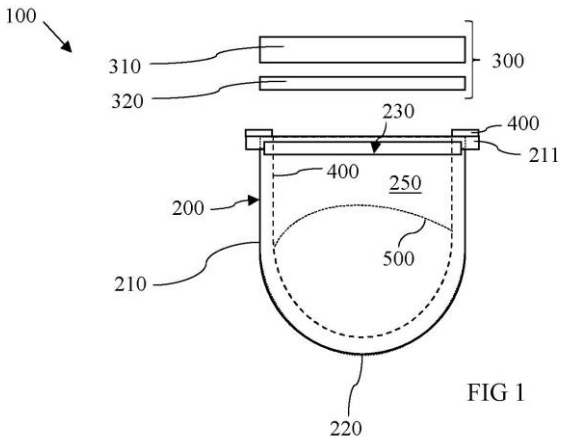
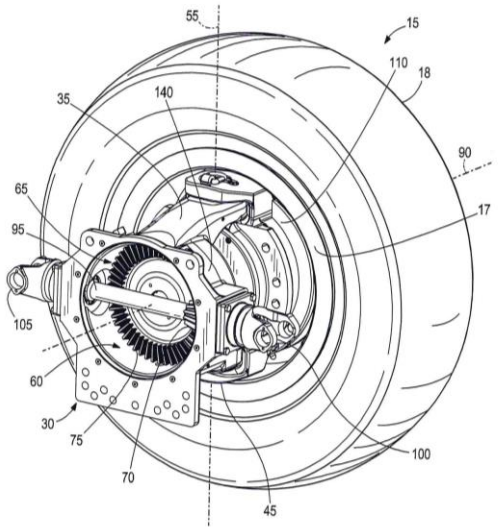


FIG 1

21: 2022/08405. 22: 2022/07/27. 43: 2023/12/13
51: C01B; C04B
71: AHN, PHIL HO
72: AHN, PHIL HO
54: MODIFIED SULFUR AND PREPARATION METHOD THEREFOR
00: -
The present specification relates to a modified sulfur and a preparation method therefor, the modified sulfur comprising sulfur and a modifier, wherein the modifier is an unsaturated fatty acid-based modifier.

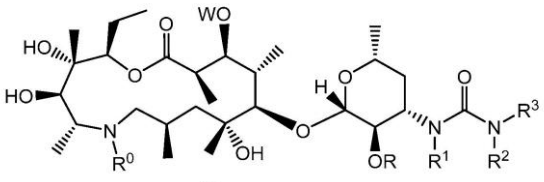


21: 2022/09502. 22: 2022/08/25. 43: 2024/02/01
51: B60G; F16C
71: JOY GLOBAL UNDERGROUND MINING LLC
72: CONNELL, Alex, STEWART, Chris
33: US 31: 63/237,935 32: 2021-08-27
54: BEARING ASSEMBLY FOR A WHEEL UNIT
00: -
A suspension system for a wheel of a vehicle includes a first arm, a second arm, a support structure positioned between the first arm and the second arm, a first bearing assembly coupled to the first arm and supporting the support structure for movement, and a second bearing assembly coupled to the second arm and supporting the support structure for movement. The support structure is configured to be coupled to the wheel that is rotatable about a wheel rotation axis. The first bearing includes a spherical bearing, and the second bearing assembly includes a first spherical bearing and a second spherical bearing.



21: 2022/09530. 22: 2022/08/25. 43: 2023/12/13
51: A61K; A61P; C07H
71: Zoetis Services LLC
72: COX, Mark R., STUK, Timothy L., MADDUX, Todd M., EWIN, Richard Andrew, JOHNSON , Paul D., RESPONDEK, Tomasz, KYNE, Graham M., VAIRAGOUNDAR, Rajendran
33: US 31: 62/988,492 32: 2020-03-12
54: IMMUNOMODULATING UREA AZALIDES
00: -

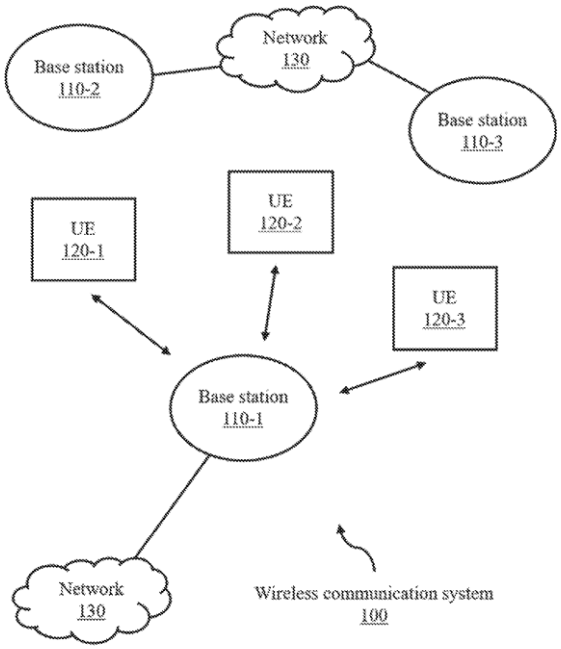
Defined herein are immunomodulating Formula (1) compounds wherein R, R^0, R^1, R^2,R^3 and W are as defined herein, stereoisomers thereof, and pharmaceutically acceptable salts thereof; and compositions comprising said compounds. The invention also includes methods for treating an inflammatory and/or immunological disease or disorder in an animal by administering a therapeutically effective amount of a Formula (1) compound, stereoisomer thereof, and a pharmaceutically acceptable salt thereof; or use of said compound of Formula (1) to prepare a medicament for treating an inflammatory and/or immunological disease or disorder in an animal.



(1)

21: 2022/09728. 22: 2022/08/31. 43: 2023/12/04
51: H04W H04M
71: NOKIA TECHNOLOGIES OY
72: WON, Sung Hwan
54: USER EQUIPMENT AND METHOD FOR WARNING MESSAGES DELIVERY IN PRIVATE NETWORKS
00: -

User equipment and method for receiving warning messages in a non-public mobile communications network. The user equipment accepts or ignores warning messages received in the non-public mobile communications network based on a warning messages reception configuration stored in a memory of the user equipment such as a memory of the mobile equipment part of the user equipment.

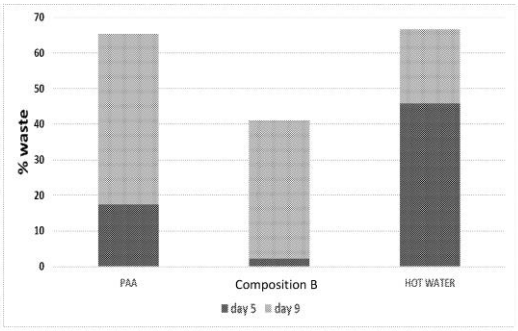


21: 2022/09761. 22: 2022/08/31. 43: 2023/12/04
51: A61K; A61P
71: KERECIS AG
72: SIGURJONSSON, Gudmundur Fertram, GISLADOTTIR, Dora Hlin
33: US 31: 62/993,201 32: 2020-03-23
33: US 31: 62/993,356 32: 2020-03-23
33: US 31: 62/993,360 32: 2020-03-23
33: US 31: 63/003,887 32: 2020-04-01
33: US 31: 63/004,467 32: 2020-04-02
33: US 31: 63/040,807 32: 2020-06-18
33: US 31: 63/091,177 32: 2020-10-13
54: ANTIMICROBIAL SOLUTIONS AND METHODS OF USING THE SAME IN THE TREATMENT OR PREVENTION OF INFECTIONS
00: -

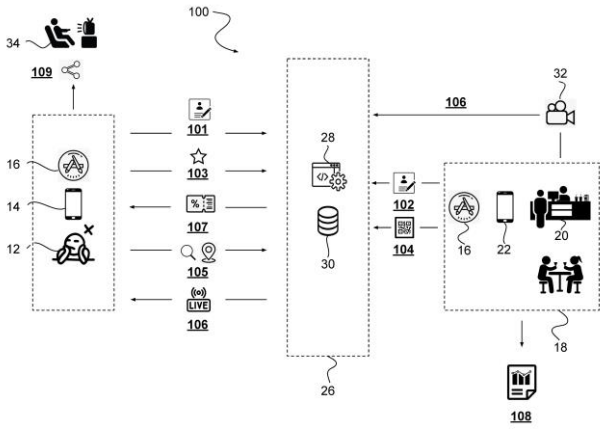
Antimicrobial compositions include a therapeutically effective amount of neem oil, extract of the plant Hypericum spp., polyunsaturated fatty acids (PUFAs), carrageenans, and/or chlorhexidine; and (optionally) in combination with one or more pharmaceutically acceptable carriers, additives,

and/or diluents. The antimicrobial compositions are effective in treating or preventing upper respiratory tract infections, preferably upper respiratory tract infections caused by human Coronaviruses and are included within methods of treating or preventing infection of the upper respiratory tract of humans by a microbial pathogen.

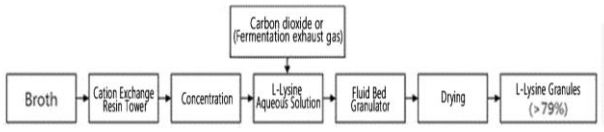
21: 2022/09840. 22: 2022/09/02. 43: 2023/04/03
51: A01N; A23L; C11D
71: SAVE FOODS LTD.
72: MATIS, Neta, SZTYBEL, Dan, BEN YEHUDA, Nimrod
33: US 31: 62/983,691 32: 2020-03-01
54: STERILIZATION COMPOSITIONS AND METHODS FOR USING THEREOF
00: -
The present invention is related to sanitizing compositions, kits and to methods for using thereof such as for reducing pathogen load on a substrate.



21: 2022/09946. 22: 2022/09/07. 43: 2024/01/22
51: G06Q
71: ROOS, Renier
72: ROOS, Renier
33: ZA 31: 2021/03875 32: 2021-06-07
54: METHOD AND SYSTEM OF GEOGRAPHICALLY MATCHING A USER TO A VENUE
00: -
A method and system of matching a user to a venue which includes an end-user's locating of a venue by searching for the venue online via a venue matching software application; and transmitting of a live video feed of the venue from a video camera installed at the venue to the end-user for the end-user's visual evaluating of the atmosphere at the venue and subsequent visit to the venue.



21: 2022/09968. 22: 2022/09/07. 43: 2023/12/05
51: A23K C12P
71: CJ CHEILJEDANG CORPORATION
72: JUNG, Su Kwon, LEE, Seung Je, LEE, In Sung, CHO, Seok Tae, KIM, Il Chul, SEO, Yong Bum, JO, Se Hee, SHIN, Jong Hwan
33: KR 31: 10-2020-0031305 32: 2020-03-13
54: METHOD OF PREPARING GRANULAR FEED ADDITIVE
00: -
The present application relates to a granular feed additive production method. By using the granular feed additive production method, according to one embodiment, a granular feed additive may be produced, which contains a high content of a basic amino acid, while containing the basic amino acid so as to enable the prevention of hygroscopicity and a lumping phenomenon which are caused by the basic amino acid. In addition, the granular feed additive production method, according to one embodiment, enables the elimination of a process using hydrochloric acid, which is generally used for neutralizing basic amino acids, and thus the process may be simplified, and problems in the process caused by using hydrochloric acid may be solved.



21: 2022/09998. 22: 2022/09/08. 43: 2023/12/18
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.

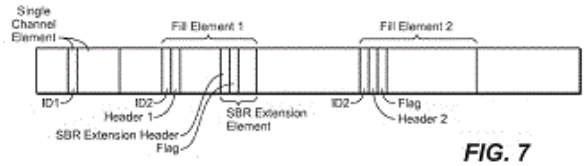
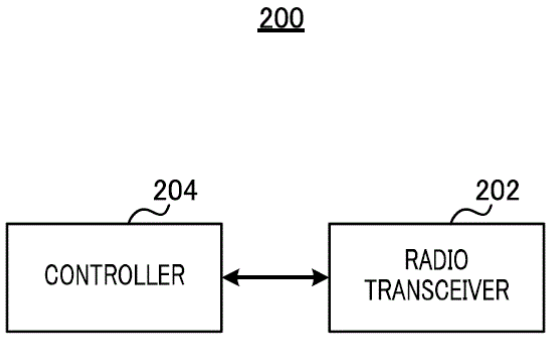


FIG. 7

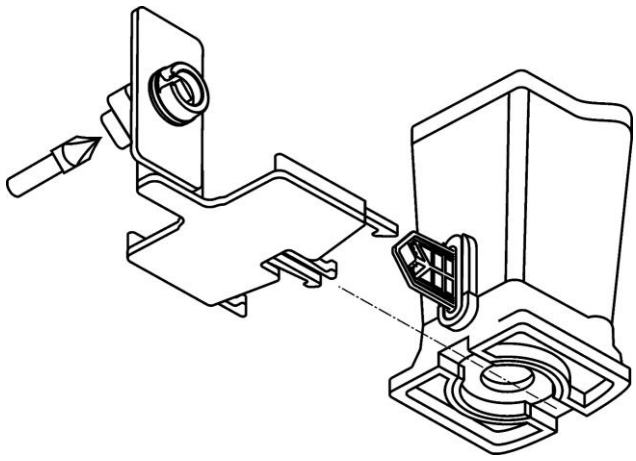
21: 2022/10105. 22: 2022/09/12. 43: 2023/12/05
51: H04W
71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA
72: NAKANO, Takayuki, IWAI, Takashi, URABE, Yoshio
33: JP 31: 2020-044072 32: 2020-03-13

54: TERMINAL AND COMMUNICATION METHOD
00: -
This terminal comprises: a receiving circuit which receives first information on a plurality of resource units in a resource allocation candidate; and a control circuit which controls communication using the resource units on the basis of the first information.



21: 2022/10150. 22: 2022/09/13. 43: 2023/12/04
51: G01N
71: STELLENBOSCH UNIVERSITY, SOUTH AFRICAN MEDICAL RESEARCH COUNCIL
72: DIJKSTRA, Stephan, THERON, Grant De Vos, NIEUWOUDT, Martinus Johannes, VENTER, Rouxjeane, WARREN, Robin Mark
33: ZA 31: 2021/06784 32: 2021-09-14

54: EXTRACTION DEVICE ASSEMBLY
00: -
An extraction device assembly for extracting a sample from a sample-containing chamber of a nucleic acid amplification cartridge is provided. The assembly has a cartridge interface forming a receptacle configured to at least partially fit the sample-containing chamber therein. The cartridge interface has an aperture configured to at least partially expose the sample-containing chamber, and a collection interface having an aperture configured to at least partially align with the cartridge interface aperture and with the sample-containing chamber positioned at least partially between them. The collection interface aperture is in fluid communication with a collector. The extraction device assembly is operable to fit the sample-containing chamber in the receptacle of the cartridge interface and guide a piercing tool into the cartridge interface aperture to pierce the sample-containing chamber and liberate a sample contained therein for transferral to the collector.



21: 2022/10154. 22: 2022/09/13. 43: 2023/12/05
51: A01N A61L
71: COLLIDION, INC.
72: ALIMI, Hojabr, PRASAD, Sridhar, Govinda, SINHA, Santosh, C.
33: US 31: 62/977,095 32: 2020-02-14

54: COMPOSITIONS, KITS, METHODS AND USES FOR CLEANING, DISINFECTING, STERILIZING AND/OR TREATING

00: -

The present specification discloses a composition comprising, consisting essentially of, or consisting of hypochlorous acid or free available chlorine in combination with one or more metallic particles, one or more metal salts, or any combination thereof. The present specification further discloses a kit comprising, consisting essentially of, or consisting of a one or more containers including a composition disclosed herein or components which make up such compositions as well as methods and uses for such compositions and kits.

21: 2022/10306. 22: 2022/09/16. 43: 2023/12/13

51: B63B

71: SINN POWER GMBH

72: SINN, Philipp, SCHWAIGER, Dominik, BOSCHER, Patrick

33: EP 31: PCT/EP2020/058041 32: 2020-03-23

54: TRUSS AND SUPPORTING STRUCTURES CONSTRUCTED THEREFROM

00: -

An offshore truss structure and method for the modular construction thereof comprising trusses having a first beam, functioning as a floating body, a second beam, with two posts for substantially parallel support of the beams, and two ties for bracing the truss. At each of the respective ends of the beams is arranged a connecting element, which in each case has a single flange for attaching only one beam to the connecting element. Receptacles are arranged transversely to the longitudinal direction of the beams for attaching the posts. Fastening means are provided with bracing devices such that the truss is held in shape. The connecting elements are constructed such that, on one side is formed an extension and, on the opposite side, a holder is arranged, so that the extension of one connecting element of a first truss can be connected to the holder of another connecting element of a second truss.

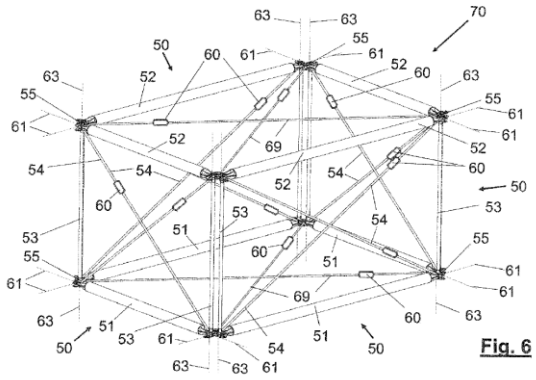


Fig. 6

21: 2022/10355. 22: 2022/09/19. 43: 2023/12/05

51: A61P A61K

71: DR. MERCHANT, Shreema, PATEL, Manit

72: PATEL, Manit, RUBEN, Peter, Charles, FOUDA, Mohamed, Amin, GHOVANLOO, Mohammad-Reza, JADHAV, Vishal, Anant, PAGE, Dana, A, CHOUDHURY, Koushik, RADDA, Rusinova, PHATERPEKAR, Tejas

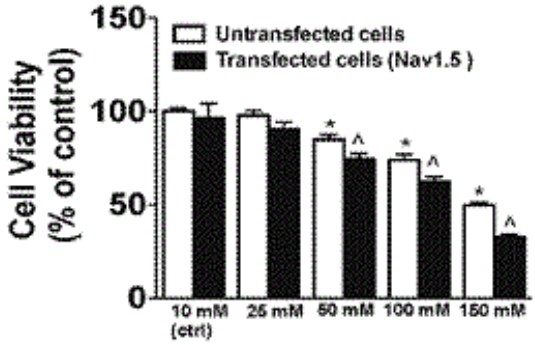
33: IN 31: 202021007184 32: 2020-02-19

33: IN 31: 202021013770 32: 2020-03-29

54: COMPOSITIONS AND THERAPEUTIC USES OF CANNABIDIOL

00: -

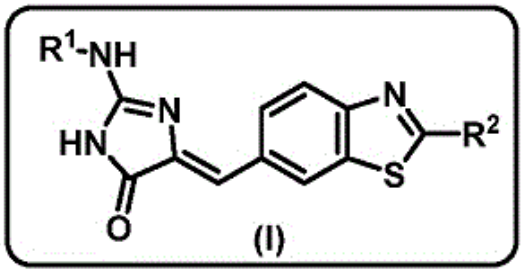
The invention provides various pharmaceutical composition comprising the new therapeutic agent cannabidiol that rescues the adversely affected sodium channels Nav1.5 and thus serves as a potential therapeutic agent for treating several cardiac disorders. The invention also provides various pharmaceutical composition employing the new therapeutic agent cannabidiol for abolishing or minimizing side effects of other therapeutic agents / drugs which induce, or which are likely to induce Long QT. The invention further provides pharmaceutical composition of cannabidiol for treating or avoiding inflammation induced by any other therapeutic agent or inflammation induced in any diseases or ailment such as Covid-19 and also inflammation induced by any vaccine such as Covid-19 vaccine.



21: 2022/10882. 22: 2022/10/03. 43: 2024/02/14
51: A01N; C07K; C12N; A61P
71: BIOTALYS NV
72: Natalia BELOGLAZOVA, Hilde Adi Pierrette REVETS, Patrick STANSSENS, Inge Elodie VAN DAELE
33: EP 31: 20167432.2 32: 2020-03-31
33: EP 31: 20218017.0 32: 2020-12-31
54: ANTI-FUNGAL POLYPEPTIDES
00: -
The present invention relates to a composition comprising at least one polypeptide, which polypeptide comprises the amino acid sequence set out in any one of SEQ ID NOs: 1 to 51 or 101 to 111 or an amino acid sequence having at least about 80% sequence identify thereto and which polypeptide is capable of binding to a fungus. The invention further relates to a composition comprising at least one polypeptide, which polypeptide comprises a CDR1 region having the amino acid sequence set out in any one of SEQ ID NOs: 52 to 67 or 112 to 122, a CDR2 region having the amino acid sequence set out in any one of SEQ ID NOs: 68 to 83 or 123 to 133, and a CDR3 region having the amino acid sequence set out in any one of SEQ ID NOs: 84 to 100 or 134 to 144 and which polypeptide is capable of binding to a fungus. The compositions may be used as anti-fungal compositions.

21: 2022/10883. 22: 2022/10/03. 43: 2023/12/13
51: C08B
71: LESAFFRE ET COMPAGNIE
72: BAZZA, PAOLA, BIANCHI, DAVIDE, TAGLIANI, AURO ROBERTO
33: IT 31: 102020000004564 32: 2020-03-04
54: PROCESS FOR DIRECT SULFATION OF POLYSACCHARIDES IN AN ECOLOGICALLY ACCEPTABLE SOLVENT
00: -
The invention relates to a novel process for obtaining direct sulfation of unprotected sugars, in particular polysaccharides, using ecologically acceptable solvents.

21: 2022/10885. 22: 2022/10/03. 43: 2023/12/13
51: C07D; A61K; A61P
71: PERHA PHARMACEUTICALS
72: DEAU, EMMANUEL, GEORGE, PASCAL, MEIJER, LAURENT, MIEGE, FRÉDÉRIC
33: EP 31: 20305421.8 32: 2020-04-30
33: EP 31: 21305361.4 32: 2021-03-24
54: NEW IMIDAZOLONE DERIVATIVES AS INHIBITORS OF PROTEIN KINASES IN PARTICULAR DYRK1A, CLK1 AND/OR CLK4
00: -
The present invention relates to a compound of formula (I) wherein R^1 represents a (C_1-C_6)alkyl group, a spiro(C_5-C_{11})bicyclic ring, a fused phenyl group, a substituted phenyl group, a R'-L- group, wherein L is either a single bond or a (C_1-C_3)alkanediyl group, and R' represents a (C_3-C_8)cycloalkyl group, a bridged (C_6- C_{10})cycloalkyl group, a (C_3-C_8)heterocycloalkyl group, or a (C_3-C_8)heteroaryl group, or a R'-L- group wherein L is a (C_1-C_3)alkanediyl group, and R' is an optionally substituted phenyl group, and wherein R^2 represents a hydrogen atom or a (C_1-C_3)alkyl group or any of its pharmaceutically acceptable salt. The present invention further relates to a composition comprising a compound of formula (I) and a process for manufacturing said compound as well as its synthesis intermediates. It also relates to said compound for use as a medicament, in particular in the treatment and/or prevention of cognitive deficits associated with Down syndrome; Alzheimer's disease; dementia; tauopathies; Parkinson's disease; CDKL5 Deficiency Disorder; Phelan-McDermid syndrome; autism; type 1 and type 2 diabetes; abnormal folate and methionine metabolism; osteoarthritis; Duchenne muscular dystrophy; several cancers; neuroinflammation, anemia and viral and unicellular infections and for regulating body temperature.



(I)

21: 2022/10886. 22: 2022/10/03. 43: 2023/12/13
51: A01N; A01P; A61L; A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BIGARAN, LUCIANE CRISTINA, COLACIOPPO, CINTIA LUCIA, FOZZATTI, CRISTIANE, MARTINS FERRARESI, FABRICIO HENRIQUE, SAYYED, JABIR GULAB
33: IN 31: 202021018491 32: 2020-04-30
33: EP 31: 20179886.5 32: 2020-06-15
54: AEROSOL COMPOSITION AND METHOD FOR SANITISATION
00: -
Disclosed is an aerosol composition for use as a sanitiser comprising: a) 60 wt% to 80 wt% ethanol, propanol, isopropanol or a mixture thereof; b) 10 wt% to 40 wt% propellant; and, c) 1 wt% to 10 wt% water,wherein said composition comprises 0.1 wt% to 2 wt% humectant selected from propylene glycol, dipropylene glycol or glycerol and wherein ratio of base: propellant is 70: 30 to 80: 20 parts by weight, where said base comprises every ingredient other than said propellant.

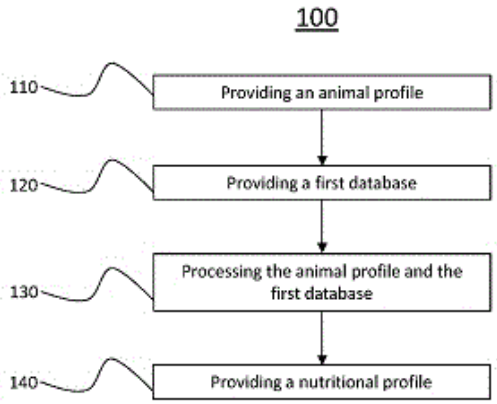
21: 2022/10887. 22: 2022/10/03. 43: 2023/12/13
51: A01N; A61P; A61K
71: MICROBIAL SCREENING TECHNOLOGIES PTY. LTD.
72: LACEY, ERNEST, VUONG, DANIEL, CHEN, RACHEL
33: AU 31: 2020901107 32: 2020-04-08
54: PROBIOTIC COMPOSITIONS
00: -
The invention relates to a composition for treating and/or inhibiting an infestation of a subject by an ectoparasite. The composition comprises bacterial organisms which are active against the ectoparasite and bacterial organisms which exhibit chitinase activity. These two types of bacterial organisms may be different. The invention also provides a method for treating and/or inhibiting an infestation of a subject by an ectoparasite.

21: 2022/10888. 22: 2022/10/03. 43: 2023/12/13
51: A61P
71: AEOVIAN PHARMACEUTICALS, INC.
72: KINCAID, JOHN
33: US 31: 63/001,144 32: 2020-03-27
33: US 31: 63/001,177 32: 2020-03-27
33: US 31: 63/019,176 32: 2020-05-01
33: US 31: 63/054,768 32: 2020-07-21
33: US 31: 63/054,762 32: 2020-07-21
33: US 31: 63/001,187 32: 2020-03-27
33: US 31: 63/054,763 32: 2020-07-21
54: MTORC1 MODULATORS AND USES THEREOF
00: -
The disclosure provides compounds and salts that show high selectivity and inhibitory activity for mTORC1 and uses thereof for the treatment of disease.

21: 2022/10889. 22: 2022/10/03. 43: 2023/12/13
51: A61K; A61P; C07K
71: VANUDIS GMBH
72: ÜBELHART, RUDOLF, SCHALLER, TORSTEN, ARNDT, MICHAELA
33: EP 31: 20172424.2 32: 2020-04-30
33: EP 31: 20195313.0 32: 2020-09-09
33: EP 31: 20169203.5 32: 2020-04-10
54: NATURAL ANTIBODIES IN PROPHYLAXIS AND THERAPY
00: -
Described is a human or humanized natural IgM and/or IgA antibody recognizing oxidized phospholipids and/or oxidation-specific epitopes for use in a method of treating or preventing a disorder or a disease associated with/related to/caused by a natural IgM/IgA antibody deficiency (NAD) in a subject. Moreover, described is a vaccine comprising a compound that induces the generation of natural IgM and/or IgA antibodies for use in a method of reducing or preventing the clinical signs or disease associated with/related to/caused by natural IgM/IgA antibody deficiency (NAD) in a subject, wherein said vaccine comprises a pharmaceutically acceptable carrier or excipient. Further, described is such a vaccine for use in a method of reducing or preventing the clinical signs or disease associated with/related to/caused by natural IgM/IgA antibody deficiency (NAD) in a subject, wherein said compound induces human natural IgM and/or IgA

antibody recognizing oxidized phospholipids and/or oxidation-specific epitopes.

21: 2022/10890. 22: 2022/10/03. 43: 2023/12/13
51: A23K; G06Q; G09B
71: MARS, INCORPORATED
72: ROCHE, JEAN-BAPTISTE, MONTOYA, MATHIEU, PEREA, SALLY
33: EP 31: 20168471.9 32: 2020-04-07
54: METHODS FOR CHARACTERIZING THE NUTRITIONAL NEEDS OF AN ANIMAL AND FOR SELECTING FOOD PRODUCTS
00: -
Systems, methods, and apparatus for characterizing the nutritional needs of an animal. The method can include providing an animal profile comprising one or more animal criteria. The method can also include extracting, from a first database, one or more lists of ingredients associated with the one or more animal criteria. In addition, the method can include determining a rating associated with the extracted lists of ingredients, and comparing the rating with at least one ingredient from the one or more lists of ingredients. A nutritional profile of the animal can then be determined based on at least one of the animal profile, the extracted lists of ingredients, and the rating of the extracted lists of ingredients.



21: 2022/10891. 22: 2022/10/03. 43: 2023/12/13
51: A23K; A61K
71: MARS, INCORPORATED
72: BRECIN, KARINE, VIALLE, SANDRINE, RAASCH, MELODY
33: EP 31: 20173110.6 32: 2020-05-06
54: PALATABLE SUPPORT COMPOSITIONS FOR ADMINISTRATION OF MEDICINAL PRODUCTS
00: -
The presently disclosed subject matter relates to palatable support compositions for administering one or more medicinal products to an animal, for example, a feline. The palatable support compositions include (i) from about 20% to about 40% by weight of a humectant plasticizer; (ii) from about 0.5% to about 8% by weight of one or more gelling agents; and (iii) from about 20% to about 50% by weight of protein, on a dry matter basis. The present disclosure further provides methods for preparing and use of such palatable support compositions.

21: 2022/10892. 22: 2022/10/03. 43: 2023/12/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: ROSA, JOSE GUILLERMO, MOADDEL, TEANOOSH
33: EP 31: 20171853.3 32: 2020-04-28
54: STABILIZED COSMETIC COMPOSITIONS WITH N, N'-DI-ACETYL CYSTINE
00: -
Topical cosmetic compositions containing a 4-substituted resorcinol derivative along with N,N'-diacetyl-L-Cystine exhibit improved storage stability and oxidative stability. A method of stabilizing 4-ethyl resorcinol or 4-hexyl resorcinol in a composition comprising a cosmetically acceptable vehicle by adding to the composition N,N'-diacetyl-L-Cystine in an amount sufficient to stabilize said 4-ethyl resorcinol or 4-hexyl resorcinol.

21: 2022/10899. 22: 2022/10/04. 43: 2023/12/12
51: A01N
71: Marizyme, Inc.
72: SURYAN, Mahendra
33: US 31: 61/963,093 32: 2013-11-22
54: SOLUTONS FOR INCREASING THE STABILITY AND SHELF LIFE OF AN ORGAN AND TISSUE PRESERVATION SOLUTION
00: -
Organ and tissue preservation solutions having improved stability are disclosed. The solutions are comprised of two separate solutions. The first solution, Solution A, is comprised of a balanced salt solution that is stable in solution at a pH of 7.0 or above. A second solution, Solution B, is comprised of an aqueous solution containing L-glutathione and/or cysteinylglycine, a sugar such as D-glucose, L-Arginine, a reducing agent such as ascorbic acid

and water at a pH of below 7.0, preferably from about 3.0 to 5.0. The two Solutions are then mixed together at the point of use and the pH adjusted to about 7.3 resulting in the organ and tissue preservation solution having improved stability. Preferably, solution A has a pH of about 7.6 and solution B has a pH of about 5.0. The present invention is also comprised of kits 20 that contain the two Solutions in two separate containers 22, 24. In an alternate embodiment, the sugar can be in Solution A.

21: 2022/10919. 22: 2022/10/04. 43: 2023/12/13
51: C07K; C12N
71: CELLEDIT LLC
72: HU, BILIANG
33: US 31: 63/005,684 32: 2020-04-06

54: GENETICALLY MODIFIED IMMUNE CELLS EXPRESSING A CHIMERIC ANTIGEN RECEPTOR AND HAVING REDUCED PROINFLAMMATORY CYTOKINE SIGNALING

00: -

A population of immune cells comprising modified immune cells co-expressing a chimeric antigen receptor comprising, inter alia, an IB-2Kβ cytoplasmic signaling domain. Also provided herein are genetically engineered immune cells having reduced production of interferon gamma (IFNy). Such genetically engineered immune cells may have a disrupted endogenous IFNy gene, a disrupted endogenous IFNy receptor (IFNyR) gene, or both. Alternatively, the immune cells may express an IFNy antagonist.

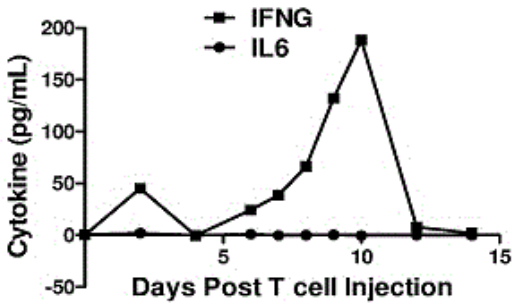


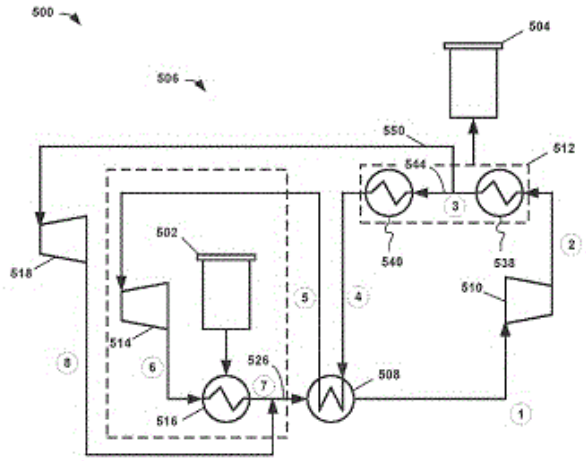
FIG. 1C

21: 2022/10923. 22: 2022/10/04. 43: 2023/12/13
51: F25B
71: ECHOGEN POWER SYSTEMS (DELAWARE), INC.
72: HELD, TIMOTHY, MILLER, JASON
33: US 31: 16/867,447 32: 2020-05-05

54: SPLIT EXPANSION HEAT PUMP CYCLE

00: -

The disclosure provides a heat pump cycle that allows for an improved matching of the T(Q) slopes of the heat pump cycle. More particularly, the high temperature heat exchange is separated into two stages. Furthermore, a portion of the working fluid that was cooled in the first stage, is further cooled by expansion before being mixed with a heated working fluid for input to the recuperating heat exchanger.

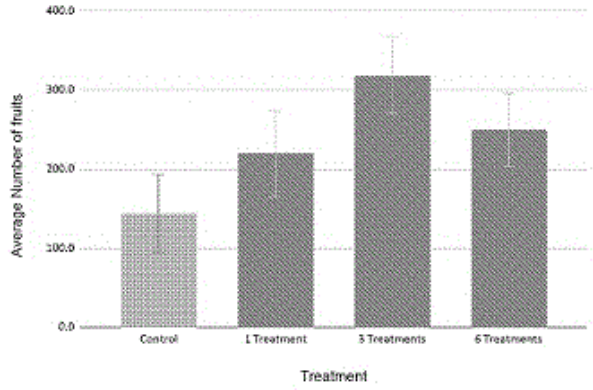


21: 2022/10953. 22: 2022/10/05. 43: 2023/12/13
51: A10D; A10H; G05D; G06Q
71: BLOOMX LTD
72: ELGRABLI, THAI, SENESH, IDO, KEREN, AVI
33: US 31: 63/005,677 32: 2020-04-06

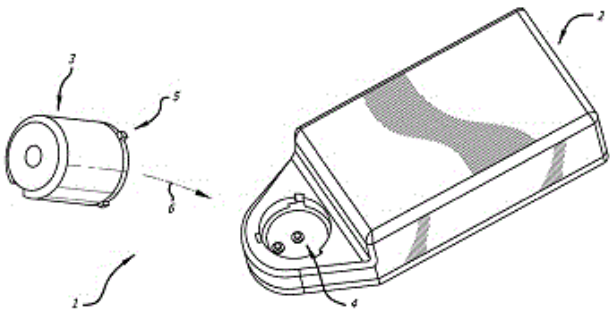
54: METHODS FOR ARTIFICIAL POLLINATION AND APPARATUS FOR DOING THE SAME

00: -

Novel, universal, in-field/in-orchard, well-control led, scalable, easy-to-use, and cost-effective management systems and methods for artificial pollination of agricultural areas such as orchards and fields are provided.



21: 2022/10963. 22: 2022/10/05. 43: 2023/12/13
51: A24B; A24F; A61M; B05B
71: SHAHEEN INNOVATIONS HOLDING LIMITED
72: LAHOUD, IMAD, MACHOVEC, JEFF, BHATTI, SAJID, ALSHAIBA SALEH GHANNAM ALMAZROUEI, MOHAMMED, LAMOUREUX, CLEMENT
33: US 31: 16/889,667 32: 2020-06-01
33: US 31: 17/122,025 32: 2020-12-15
33: EP 31: 20168245.7 32: 2020-04-06
33: US 31: 17/065,992 32: 2020-10-08
33: US 31: 63/111,592 32: 2020-11-09
54: CELL LYSIS SYSTEMS AND METHODS
00: -
A cell lysis system (1) comprises a driver apparatus (2) and a cell lysis device (3) which are releasably attachable to one another. The cell lysis device (3) comprises an ultrasonic transducer (12) and a sonication chamber (11). The driver apparatus (2) drives the ultrasonic transducer (12) to output ultrasonic waves to lyse cells in a sample container (22) which is carried by the cell lysis device (3).



21: 2022/10974. 22: 2022/10/06. 43: 2023/12/13
51: C12N; C07K; C12P
71: CJ CHEILJEDANG CORPORATION
72: BAE, HYUN WON, JUNG, MOO YOUNG, KIM, SANG JUN, PARK, SANG MIN, BYUN, HYO JEONG, SHIN, YONG UK, LEE, HAN HYOUNG, LIM, BORAM, JANG, JAEWON, CHOI, YUNJUNG
33: KR 31: 10-2020-0171739 32: 2020-12-09
54: SHEWANELLA ATLANTICA-DERIVED PROTEIN-EXPRESSING MICROORGANISM AND L-AMINO ACID PRODUCTION METHOD USING SAME
00: -
Provided are a foreign protein-expressing microorganism and an L-amino acid production method using same. The foreign protein-expressing microorganism may have improved L-amino acid excretion and/or production capacity, compared to a wild type.

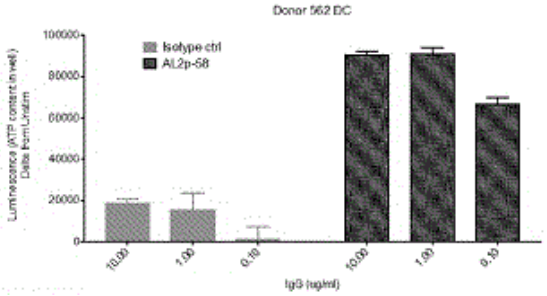
21: 2022/11004. 22: 2022/10/07. 43: 2023/12/13
51: A61K; A61P
71: DALIAN FUSHENG NATURAL MEDICINE DEVELOPMENT CO., LTD.
72: YANG, ZIFENG, FU, LI, JIANG, GE, ZHONG, NANSHAN, YANG, WEI, MA, QINHAI, HUI, MIN, LI, CHUFANG, WANG, SHUO, PAN, WEIYI, LU, QI, SONG, AIAI, HOU, JIRUI, LI, RUNFENG, LU, MINGMING, WANG, YINGPING, LIU, YANG, LIU, GUOYOU, FU, WENFEI, FENG, XUE, ZHOU, QINGFENG, YI, XIAOFENG, LIN, RONGXIN, ZHANG, YU
33: CN 31: 202010155743.1 32: 2020-03-09
54: 3CLPRO-TARGETING PHILLYRIN, DERIVATIVE THEREOF, AND USE THEREOF AGAINST NOVEL CORONAVIRUS
00: -
Disclosed are phillyrin that targets the 3CLpro protein, which inhibits the COVID-19 virus, a derivative thereof, and the use of a composition of phillyrin and phylligenin in the preparation of a drug for resisting a coronavirus or treating a disease caused by a coronavirus, wherein the coronavirus is the COVID-19 virus and the disease caused by a coronavirus is COVID-19.

21: 2022/11057. 22: 2022/10/10. 43: 2023/12/13
51: C07K; A61K
71: ALECTOR LLC
72: SCHWABE, TINA, BROWN, ERIC, KONG, PHILIP, TASSI, ILARIA, LEE, SEUNG-JOO, ROSENTHAL, ARNON, PEJCHAL, ROBERT, NIELSON, NELS P
33: US 31: 62/541,019 32: 2017-08-03
33: US 31: 62/636,095 32: 2018-02-27

54: ANTI-TREM2 ANTIBODIES AND METHODS OF USE THEREOF

00: -

The present disclosure is generally directed to compositions that include antibodies, e.g., monoclonal, antibodies, antibody fragments, etc., that specifically bind a TREM2 protein, e.g., a mammalian TREM2 or human TREM2, and use of such compositions in preventing, reducing risk, or treating an individual in need thereof.

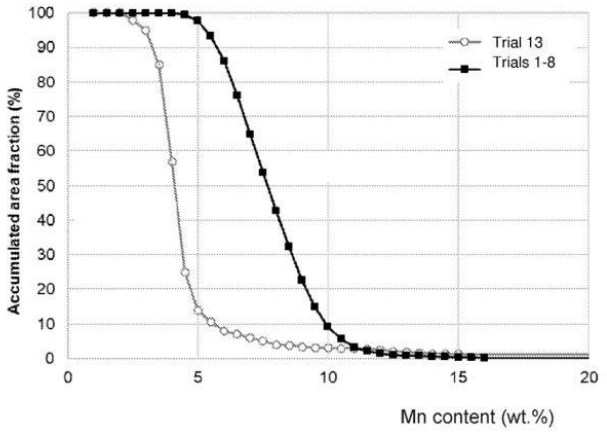


21: 2022/11066. 22: 2022/10/10. 43: 2024/01/24
51: C21D; C22C
71: ARCELORMITTAL
72: Astrid PERLADE, Kangying ZHU, Coralie JUNG, Michael STOLTZ
33: IB 31: PCT/IB2020/057008 32: 2020-07-24

54: COLD ROLLED, ANNEALED AND PARTITIONED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME

00: -

The invention deals with a cold rolled, annealed and partitioned steel sheet, made of a steel having a composition comprising, by weight percent: C: 0.05 - 0.18 % Mn: 6.0 – 11.0 % Mo: 0.05 - 0.5 % B: 0.0005 – 0.005% S ≤ 0.010 % P ≤ 0.020 % N ≤ 0.008 % and comprising optionally one or more of the following elements, in weight percentage: Al < 3% Si ≤ 1.20 % Ti ≤ 0.050 % Nb ≤ 0.050 % Cr ≤ 0.5 % V ≤ 0.2 % the remainder of the composition being iron and unavoidable impurities resulting from the smelting, said steel sheet having a microstructure comprising, in surface fraction, - from 0% to 30% of ferrite, such ferrite, when present, having a grain size below 1.0 µm, - from 8% to 40% of retained austenite, the fraction of austenite islands with a size above 0.5 µm being below or equal to 5% - from 30 to 92% of partitioned martensite - less than 3% of fresh martensite, - a carbon [C]A and manganese [Mn]A content in austenite, expressed in weight percent, such that the ratio ($[C]A^2$ x [Mn]A) / ($C\%^2$ x Mn%) is below 18.0, C% and Mn% being the nominal values in carbon and manganese in weight %.



21: 2022/11083. 22: 2022/10/10. 43: 2023/12/13
51: C07C
71: UNILEVER GLOBAL IP LIMITED
72: ROSA, JOSE GUILLERMO, HARICHIAN, BIJAN
33: EP 31: 20171854.1 32: 2020-04-28

54: PROCESS OF MAKING N,N'-DIACETYL-L-CYSTINE

00: -

An effective process of making N,N'-diacetyl-L-Cystine ("NDAC"), which process is fast, green, does not require labor-intensive isolation or purification of the product, by yielding products in desired ratio, and has improved yield and purity. The process comprising the steps of Forming a reaction mixture, starting with a cystine derivative di-tert- butyl-L-cystine as the dihydrochloride form; Acetylating said di-tert-butyl-L-cystine to obtain N,N'-diacetyl-di-tert-butyl-L-cystine; followed by Removing said tert- butyl groups from said N,N'-diacetyl-di-tert-butyl- L-cystine to obtain N,N'-diacetyl-L-cystine product; and Isolating said N,N'-diacetyl-L-Cystine product from said reaction mixture; wherein said acetylating agent is acetic anhydride.

21: 2022/11084. 22: 2022/10/10. 43: 2023/12/13
51: E21B
71: MINCON INTERNATIONAL LIMITED
72: KESKINIVA, MARKKU, SEXTON, BEN
33: IE 31: S2020/0239 32: 2020-10-28
33: IE 31: S2020/0053 32: 2020-03-30

54: FLUSHING AND CONNECTION ARRANGEMENTS FOR PERCUSSION DRILL TOOLS

00: -

The present invention relates to a fluid-operated percussion drill tool (1) comprising an outer wear sleeve (2) comprising a substantially cylindrical wall (3) and having inner (4) and outer (5) surfaces. The

tool also comprises a percussion bit (6) having a head portion (7) and a bit retaining portion (8) and located at a forward end (9) of the outer wear sleeve. The tool further comprises a sliding piston (10) mounted for reciprocating movement within the outer wear sleeve to strike the percussion bit. The tool also includes a drive ring (11) having a substantially cylindrical wall (12) and comprising connection means (13) adapted for connecting the drive ring to a drive means of the fluid-operated percussion drill tool. At least one flushing channel (31) provides a fluid path to the cutting face of the bit for a flushing medium. A first portion (32) of the at least one flushing channel extends longitudinally within the wall (3) of the wear sleeve, a second portion (36) of the at least one flushing channel extends longitudinally within the wall (12) of the drive ring and a third portion (40) of the at least one flushing channel extends through the head portion (7) of the percussion bit to the cutting face (43) of the bit.

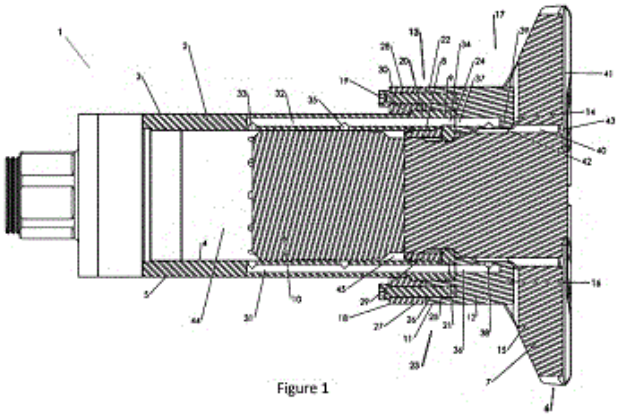


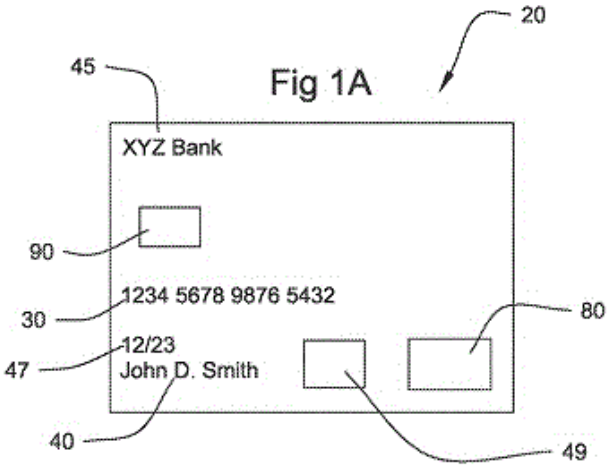
Figure 1

21: 2022/11085. 22: 2022/10/10. 43: 2023/12/13
51: G06K; G06Q; H04L
71: DUCKPOND TECHNOLOGIES, INC.
72: WILLIAMS, DARTANYON ANTWAUN
33: US 31: 62/987,402 32: 2020-03-10

54: A METHOD OF SECURING A PAYMENT CARD TRANSACTION

00: -

A system for preventing or inhibiting Payment Card fraud. When a Payment Card transaction is initiated, the card network conveys cardholder identifying information to the bank that issued the Payment Card. The issuing bank generate a random, one time data code (OTDC) upon receipt of cardholder identifying information. Alternatively, the cardholder may request an OTDC, by directly messaging the issuing bank or via an automated communication between the cardholder's mobile device and the issuing bank. The issuing bank then sends the cardholder an OTDC, preferably via an encrypted, secured transmission. The cardholder provides the OTDC to the merchant. The OTDC is part of the issuing bank's transaction approval criteria. The transaction should not be approved unless the merchant provides the OTDC to the issuing bank. The OTDC will only work for the transaction in question, and it will preferably expire shortly after its generation, if it remains unused.



21: 2022/11118. 22: 2022/10/11. 43: 2023/12/13
51: A01N; A61K
71: ELIAZ THERAPEUTICS INC
72: ELIAZ, ISAAC
33: US 31: 17/017,502 32: 2020-09-10

54: TREATMENT OF VIRAL INFECTION BY APHERESIS

00: -

The invention is directed to the treatment of COVID-19 patients by withdrawing SARS-CoV-2 viral particles from the patient's circulation by apheresis using a binding agent in either a fixed bed, or in a form easily removed, such as by being complexed with magnetic particles. The reduction in viral particles may be combined by reduction of active gal-3 levels in the patient which may provide further relief of conditions associated with COVID-19 that may include symptoms associated with the cytokine storm that is associated with COVID-19 infection. Both SARS-CoV-2 viral particles and gal-3 may be

bound by modified citrus pectin of less than sixty thousand Daltons. The process may be combined with the administration of supportive agents like antivirals, anti-inflammatories, immune based inhibitors, vitamins and modified citrus pectin.

21: 2022/11119. 22: 2022/10/11. 43: 2023/12/13
51: E01F
71: WORXSAFE AB
72: JOHANSSON, PÄR
54: A SAFETY BARRIER
00: -
A safety barrier (1) is provided. The barrier (1) has a length (L), a width (W), and a height (H). The barrier (1) has an end connection (10) at an end of the safety barrier, which end connection is arranged to be connected with a corresponding end connection of another safety barrier. The end connection comprises a receiving space (11) adapted to receive at least a portion of an end connection of another safety barrier, and to only enable connection and disconnection with said corresponding end connection of another safety barrier by movement of the safety barriers relative to each other in direction of the height of the safety barrier. A distance through the receiving space between wall surfaces of the receiving space in the direction of the length of the safety barrier is at a minimum between upper and lower ends of the end connection and is greater at the ends.

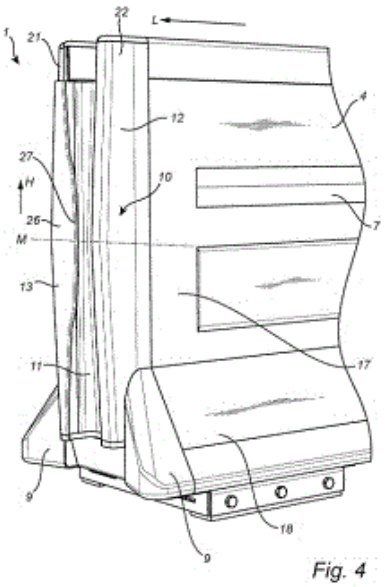
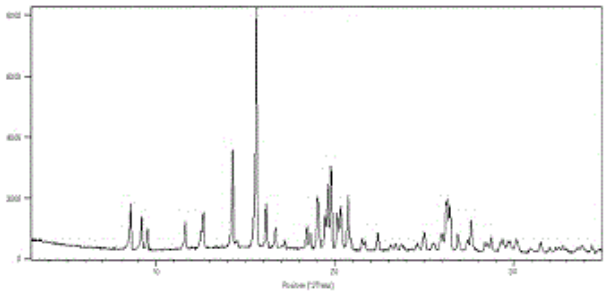
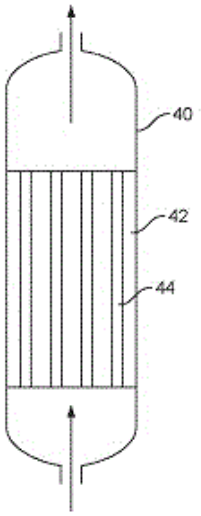


Fig. 4

21: 2022/11124. 22: 2022/10/11. 43: 2023/12/13
51: C07D
71: H. LUNDBECK A/S
72: GRICE, CHERYL A, GRIMM, KURT G, JONES, TODD K, GUERCIO, GIUSEPPE
33: US 31: 63/013,454 32: 2020-04-21
54: SYNTHESIS OF A MONOACYLGLYCEROL LIPASE INHIBITOR
00: -
Described herein is the manufacture of MAGL inhibitor 1,1,1,3,3,3-hexafluoropropan-2-yl 4-(2-(pyrrolidin-1-yl)-4-(trifluoromethyl)benzyl)piperazine-1-carboxylate including salts thereof.



21: 2022/11137. 22: 2022/10/11. 43: 2023/12/13
51: B01D; B01J; C22B
71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY
72: EDGAR, JONATHAN, MARIN FLORIDO, DANIEL, FOXWELL, DAVID, O'SHAUGHNESSY, PAUL NOEL, TSOLIGKAS, ANDREAS
33: GB 31: 2010885.8 32: 2020-07-15
54: METHODS FOR THE SEPARATION AND/OR PURIFICATION OF METALS
00: -
A method for separating at least two metals from each other in a metal refining process, the method comprising: injecting a feed solution comprising the metals into a column or flow pipe comprising a monolithic solid body having a plurality of channels; and flowing the feed solution through the plurality of channels in the monolithic solid body to separate the metals.



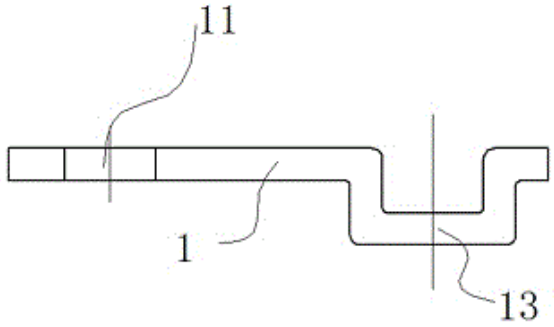
21: 2022/11174. 22: 2022/10/12. 43: 2023/12/13
51: A61K
71: ITALFARMACO S.P.A.
72: SAURA I VALLS, MARC, NEBOT TROYANO, JOAQUÍN, ROCA I JUANES, RAMON M, MALDONADO VILLEGAS, ADRIÀ, COLOMBO, GIUSEPPE
33: EP 31: 20382227.5 32: 2020-03-25
54: A MODIFIED RELEASE MULTIPLE UNIT ORAL DOSAGE FORM OF DOXYLAMINE SUCCINATE AND PYRIDOXINE HYDROCHLORIDE AND A PROCESS FOR ITS PREPARATION
00: -
The present invention relates to modified release multiple unit oral dosage form comprising: a first plurality of modified release pellets of doxylamine comprising: a pharmaceutically acceptable inert nucleus; an inner active coating layer comprising a doxylamine; optionally an intermediate enteric release coating layer; and an external modified release coating layer; and a second plurality of modified release pellets of pyridoxine or a pharmaceutically acceptable salt thereof comprising: a pharmaceutically acceptable inert nucleus; an inner active coating layer comprising pyridoxine or a pharmaceutically acceptable salt thereof; and an external modified release coating layer; wherein the particle size of the pharmaceutically acceptable inert nucleus of the first and the second plurality of pellets is such that at least 90% of the inert nuclei have a particle size from 300 µm to 1700 µm and a particle size variability of not more than 200 µm measured by analytical sieving. It also relates to a process for its preparation and its use in therapy.

21: 2022/11246. 22: 2022/10/13. 43: 2023/12/13
51: A61K; A61P; C07K; C12N; C12P
71: MIE UNIVERSITY, DAIICHI SANKYO COMPANY, LIMITED
72: SHIKU, HIROSHI, AKAHORI, YASUSHI, TANAKA, KENTO, YATSU, AYAKA, ICHIKAWA, JUNYA, OHTSUKA, TOSHIAKI, KOZUMA, SHIHO, HASHIMOTO, RYUJI, NAKAYAMA, MAKIKO, SHINOZAKI, NAOYA, NAKAMURA, KENSUKE, WATANABE, ICHIRO, FURUZONO, SHINJI
33: JP 31: 2020-061476 32: 2020-03-30
54: BISPECIFIC ANTIBODY
00: -
Provided are a novel antibody usable as an antitumor agent and an antitumor agent that comprises a molecule containing the antibody, etc. as an active ingredient. An antibody that contains heavy chain CDRH1 comprising the amino acid sequence represented by SEQ ID NO: 54, heavy chain CDRH2 comprising the amino acid sequence represented by SEQ ID NO: 55, heavy chain CDRH3 comprising the amino acid sequence represented by SEQ ID NO: 56, light chain CDRL1 comprising the amino acid sequence represented by SEQ ID NO: 57 or light chain CDRL1 comprising an amino acid sequence that is identical with the amino acid sequence represented by SEQ ID NO: 57 except that the seventh amino acid is W and/or the eighth amino acid is K, light chain CDRL2 comprising the amino acid sequence represented by SEQ ID NO: 58, and light chain CDRL3 comprising the amino acid sequence represented by SEQ ID NO: 59 or light chain CDRL3 comprising an amino acid sequence that is identical with the amino acid sequence represented by SEQ ID NO: 57 except that the second amino acid is A or S; or a binding fragment of the antibody.

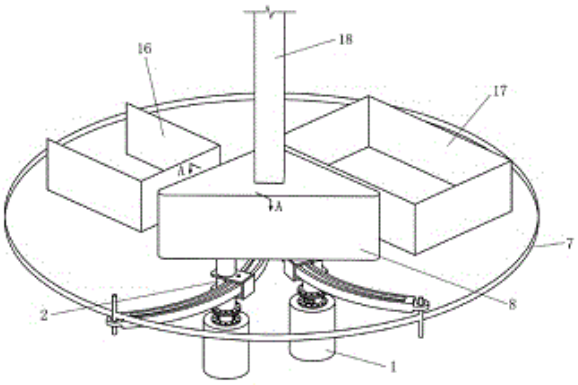
21: 2022/11252. 22: 2022/10/13. 43: 2023/12/13
51: C07C
71: UNILEVER GLOBAL IP LIMITED
72: ROSA, JOSE GUILLERMO, HARICHIAN, BIJAN
33: EP 31: 20171852.5 32: 2020-04-28
54: PROCESS OF MAKING N,N-DIACETYL-L-CYSTINE DISODIUM SALT FROM CYSTINE AND ACETYL CHLORIDE IN METHANOL IN THE PRESENCE OF SODIUM HYDROXIDE

00: -
A process of making N,N'-diacetyl-L-Cystine disodium salt, the process comprising: (i) Mixing hydroxy alkane (between 0.5-100L, preferably between 0.5-10L, more preferably between 1-3L, most preferably 1 L per mol of cystine) with a sodium base (4.0 molar equivalents per mole of cystine) to form a cold solution at a temperature of from 5 to 10°C; (ii) Adding cystine (1 molar equivalent) to said cold solution and stirring, for a sufficient time, to form a basic cystine solution; (iii) Optionally, Cooling the cystine solution to 5°C; (iv) Adding acetyl chloride (2 molar equivalents per mole of cystine) portionwise, while maintaining the temperature between 3 and 50 °C, preferably between 5 and 35 °C, more preferably below 10°C, most preferably 5°C, thereby resulting in a white suspension; (v) Stirring said white suspension and allowing said suspension to warm up to a room temperature of 15°C to 50°C, preferably 20°C to 35°C, more preferably 20°C, thereby resulting in N,N'-diacetyl-L-Cystine disodium salt product dissolved in solution and sodium chloride by-product precipitated solid in said suspension. The present description discloses an exemplary process on a small laboratory scale (500 mg cystine educt; 688 mg product; 90% yield) (page 16; example 1).

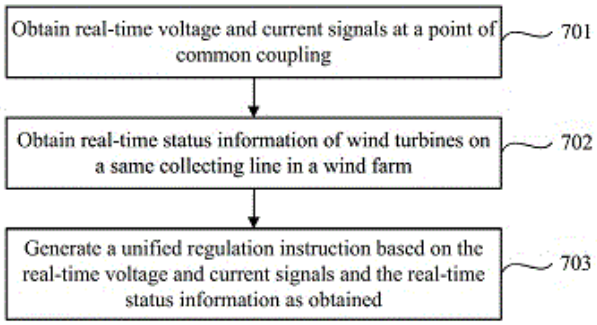
21: 2022/11305. 22: 2022/10/14. 43: 2023/12/13
51: H01R
71: JILIN ZHONG YING HIGH TECHNOLOGY CO., LTD.
72: WANG, CHAO
33: CN 31: 202020456074.7 32: 2020-04-01
54: NOVEL WIRE CONNECTION TERMINAL AND WELDING JOINT
00: -
A wire connection terminal and a welding joint. The novel wire connection terminal includes a terminal substrate (1) provided with a fixing portion for connecting with an electric device and a connecting portion for connecting with a wire (2). The fixing portion is provided with an assembly structure for being assembled with the electric device. The connecting portion is provided with a boss (13) formed by punching the connecting portion for connecting with the wire (2). The wire connection terminal is used for directly welding processing by matching a welding fixture, so as to improve the processing accuracy of the terminal, and avoid brittleness and breakage caused by stress concentration of the terminal.



21: 2022/11306. 22: 2022/10/14. 43: 2023/12/13
51: F03D
71: BEIJING GOLDWIND SCIENCE & CREATION WINDPOWER EQUIPMENT CO., LTD.
72: LIU, YAN, BAI, LIANG, LI, SHUANGHU, CHU, JIANKUN, REN, WENSI
33: CN 31: 202010240404.3 32: 2020-03-31
54: DAMPING DEVICE AND WIND TURBINE GENERATOR SYSTEM
00: -
A damping device and a wind turbine generator system comprising the damping device. The damping device comprises: damping components (1); structural supports (2), the structural supports (2) connecting the damping components (1) to a mass block (8) provided on an object to be damped (7), each structural support (2) comprising a gear, and the gear being rotatably provided on the structural support (2); and guide rails (3), wherein each guide rail (3) has a predetermined curvature, each guide rail (3) has a first end used for being rotatably connected to the object to be damped (7) and a second end supported on the corresponding structural support (2), a tooth portion engaged with a gear is formed on a side portion of each guide rail (3), and when the mass block (8) swings, the swing of the mass block (8) is converted into transmission by means of the engagement transmission between the guide rail (3) and the gear for input into the corresponding damping component (1).



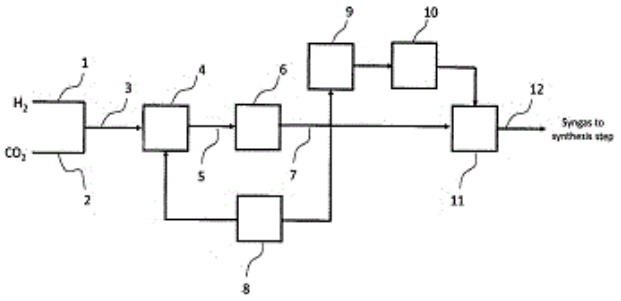
21: 2022/11307. 22: 2022/10/14. 43: 2023/12/13
51: H02J
71: GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
72: JIANG, ZHONGCHUAN, AISIKAER,
33: CN 31: 202010195403.1 32: 2020-03-19
54: REGULATION METHOD AND REGULATION DEVICE FOR CONVERTER OF WIND TURBINE GENERATOR IN WIND POWER PLANT
00: -
Disclosed are a regulation method and a regulation device for a converter of a wind turbine generator in a wind power plant. The regulation method comprises: acquiring real-time voltage and current signals of a grid connection point (701); acquiring real-time state information of each wind turbine generator on the same electrical circuit in a wind power plant (702); and generating a unified regulation instruction on the basis of the acquired real-time voltage and current signals and the acquired real-time state information (703). The real-time state information comprises the total number of three-phase bridge arms of converters of currently running wind turbine generators on the same electrical circuit in the wind power plant, serial numbers that are dynamically allocated for the converters of the currently running wind turbine generators and their respective three-phase bridge arms, and the real-time power of each currently running wind turbine generator. The unified regulation instruction comprises a regulation instruction for the converter of each currently running wind turbine generator, wherein the regulation instruction comprises a phase shift angle reference value of a carrier, a carrier ratio reference value, and a characteristic quantity reference value of a modulated wave, which are required for the regulation of each three-phase bridge arm in the converter.



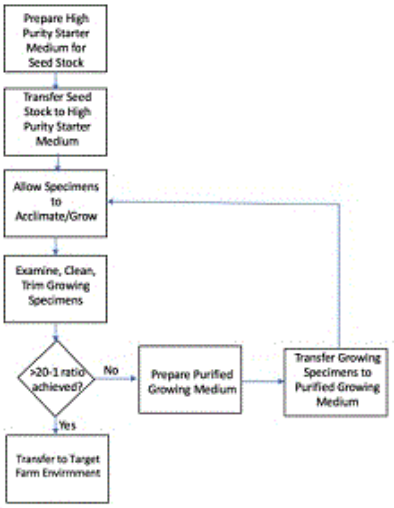
21: 2022/11308. 22: 2022/10/14. 43: 2023/12/13
51: A61K; A61P
71: JINA PHARMACEUTICALS, INC.
72: AHMAD, ATEEQ, AHMAD, IMRAN, AHMAD, MOGHISUDDIN, ALI, SHOUKATH M, SHEIKH, SAIFUDDIN
33: US 31: 63/008,141 32: 2020-04-10
54: ENDOXIFEN FOR THE TREATMENT OF BIPOLAR I DISORDER
00: -
A method for maintaining a therapeutically effective concentration of endoxifen for the treatment of patient with bipolar I disorder is provided. The method includes administering to the patient a dose of 2 mg to 16 mg of endoxifen citrate in an enteric coated tablet once per day for at least 21 days. Further, the said method provides a desirable in-vivo plasma profile. The therapeutic dose monitoring is not required in a patient undergoing the said treatment. Furthermore, the method provides a significant improvement in mania assessed by the YMRS and the MADRS scores in patient undergoing the said treatment. Furthermore, the method as provides an early response time of the treatment in at least 2 days and remission time that is not more than 4 days in patient undergoing the said treatment.

21: 2022/11310. 22: 2022/10/14. 43: 2023/12/13
51: C10G; C01B; C25B
71: INFINIUM TECHNOLOGY, LLC
72: SCHUETZLE, ROBERT, SCHUETZLE, DENNIS, WRIGHT, HAROLD, HANBURY, ORION, CALDWELL, MATTHEW, RODRIGUEZ, RAMER
33: US 31: 63/101,556 32: 2020-05-04
54: PROCESS FOR CONVERSION OF CARBON DIOXIDE AND POWER INTO FUELS AND CHEMICALS

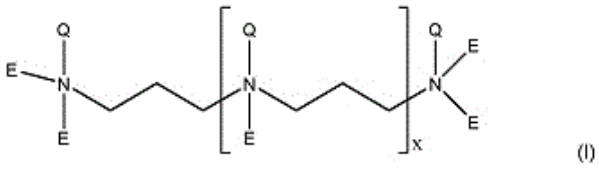
00: -
The present invention describes a processes, systems, and catalysts for the conversion of carbon dioxide and water and electricity into low carbon or zero carbon high quality fuels and chemicals. In one aspect, the present invention provides an integrated process for the conversion of a feed stream comprising carbon dioxide to a product stream comprising hydrocarbons between 5 and 24 carbon atoms in length.



21: 2022/11312. 22: 2022/10/14. 43: 2023/12/13
51: C12N; C12P
71: BLUE OCEAN BARNS
72: HAY, VIVIENNE, ROTHE, MATTHEW, SALWEN, JOAN, BRACCO, MICHAEL
33: US 31: 63/008,352 32: 2020-04-10
33: US 31: 63/008,363 32: 2020-04-10
33: US 31: 63/117,390 32: 2020-11-23
33: US 31: 63/008,373 32: 2020-04-10
33: US 31: 63/008,357 32: 2020-04-10
33: US 31: 63/008,356 32: 2020-04-10
33: US 31: 63/124,383 32: 2020-12-11
33: US 31: 17/102,287 32: 2020-11-23
33: US 31: 63/008,348 32: 2020-04-10
54: COMPOSITIONS COMPRISING ALGAE AND METHODS OF USING SAME FOR INCREASING ANIMAL PRODUCT PRODUCTION
00: -
The present technology generally relates to a method for determining inclusion rates of red algae into livestock feed and livestock supplements.

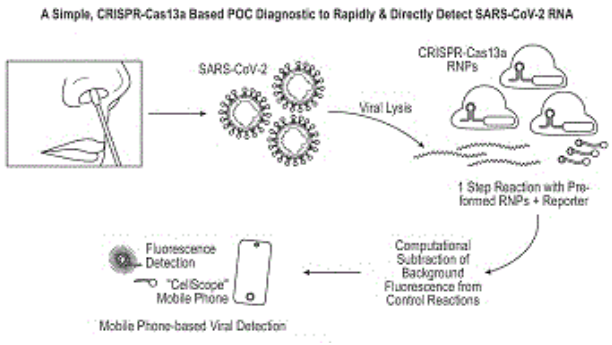


21: 2022/11355. 22: 2022/10/17. 43: 2023/12/13
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: BENNETT, JULIE, CARSWELL, ROBERT JOHN, TÜRK, HOLGER MICHAEL, ENGERT, SUSANNE CARINA, HAYDL, ALEXANDER MICHAEL
33: EP 31: 20177450.2 32: 2020-05-29
54: A LIQUID LAUNDRY COMPOSITION
00: -
A liquid laundry composition comprising: (i) from 1 to 60 wt% of one or more surfactants selected from non-soap anionic surfactants, nonionic surfactants, and mixtures thereof; and (ii) from 0.05 to 10 wt% of an amphoterically-modified oligopropyleneimine ethoxylate having a following formula (I) wherein E is an ethoxy side chain corresponding to a formula -$(RO)_n$- R' (I) in which R units are ethylene; n has an average value from 5 to 50, preferably from 10 to 40; R' units are each independently selected from hydrogen and SO_3 -, wherein at least 30% of R' units, preferably at least 50%, are SO_3 -; Q units are each independently selected from C1-C4 alkyl, H and a free electron pair, wherein at least 50% of Q units, preferably at least 80%, more preferably at least 90% are C_1-C_4 alkyl; and x ranges from 1 to 3.



21: 2022/11357. 22: 2022/10/17. 43: 2023/12/13
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: CHATTERJEE, DEBOSREE, RAJENDIRAN, GANESAN
33: EP 31: 20189265.0 32: 2020-08-03
33: IN 31: 202021022450 32: 2020-05-28
54: TABLET
00: -
A tablet for forming a liquid dishwash composition on dissolution in water comprising from 0.1 to 40% wt. surfactant, an effervescent, an acid salt selected from sodium bisulphate, monosodium phosphate and mixture thereof, and a disintegrant.

21: 2022/11358. 22: 2022/10/17. 43: 2023/12/13
51: C12Q; C12N; G01N
71: THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
72: OTT, MELANIE, FOZOUNI, PARINAZ, DOUDNA, JENNIFER A, FLETCHER, DANIEL A, SAVAGE, DAVID, CHARLES, EMERIC, SON, SUNGMIN, KUMAR, GAGANDEEP RENUKA, SWITZ, NEIL
33: US 31: 62/706,488 32: 2020-08-19
33: US 31: 62/991,827 32: 2020-03-19
33: US 31: 63/081,168 32: 2020-09-21
33: US 31: 63/158,297 32: 2021-03-08
33: US 31: 63/057,082 32: 2020-07-27
54: RAPID FIELD-DEPLOYABLE DETECTION OF SARS-COV-2 VIRUS
00: -
The present disclosure relates to methods using CRISPR-Cas13 enzyme, complexed with SARS-CoV-2 crRNA guide RNAs to detect and quantify the presence of SARS-CoV-2 RNA in a sample with enhanced specificity and sensitivity. These methods can be used to diagnose SARS-CoV-2 infection, quantify the concentration of SARS-CoV-2 RNA present in a sample, identify the presence of different SARS-CoV-2 splice variants, subtypes, or mutations, and to monitor reactivation of SARS-CoV-2 transcription.



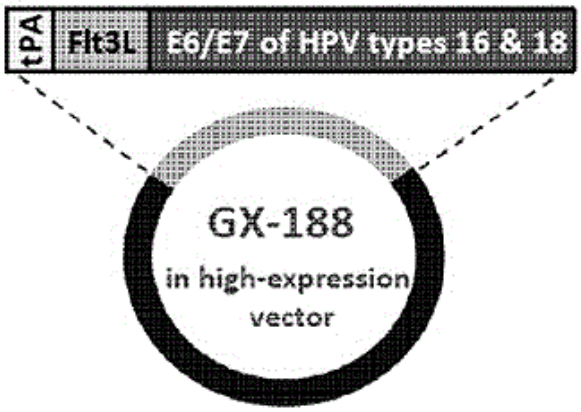
21: 2022/11405. 22: 2022/10/18. 43: 2023/12/13
51: C07K; A61K; A61P
71: AKESO BIOPHARMA, INC
72: ZHANG, PENG, LI, BAIYONG, XIA, YU, WANG, ZHONGMIN
33: CN 31: 202110270671.X 32: 2021-03-12
33: CN 31: 202010324783.4 32: 2020-04-22
54: ANTI-CD73-ANTI-PD-1 BISPECIFIC ANTIBODY AND USE THEREOF
00: -
Provided are an anti-CD73-anti-PD-1 bispecific antibody, a pharmaceutical composition thereof and a use thereof.

21: 2022/11406. 22: 2022/10/18. 43: 2023/12/13
51: C08K; B44C; C08J
71: STAEDTLER SE
72: SCHNEIDER, DENISE, HERDEGEN, SABINA, BELZNER, MATHIAS
33: DE 31: 10 2020 002 686.9 32: 2020-05-05
54: MODELING MATERIAL AND METHOD FOR THE PRODUCTION THEREOF
00: -
The invention relates to an oven-hardening modeling material, at least consisting of a binder and a softener, the binder and the softener being in the form of plastisols, the plastisol being essentially composed of PVC and softener and the mass having an overall softener content of 32 to 60 wt.%.

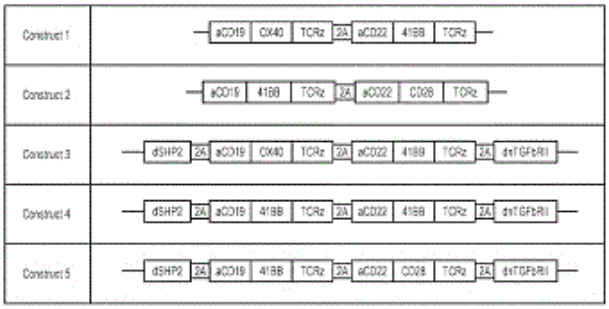
21: 2022/11408. 22: 2022/10/18. 43: 2023/12/13
51: C08J
71: STAEDTLER SE
72: SCHNEIDER, DENISE, BELZNER, MATHIAS
33: DE 31: 10 2020 002 693.1 32: 2020-05-05
54: METHOD FOR PRODUCING A MOLDING COMPOUND
00: -
Method for producing molding compounds, at least consisting of a binder and a softener, the binder and

the softener being in the form of plastisols, the plastisol being essentially composed of PVC and softener, characterized in that the method of production has the following steps: in a first step, mixing the PVC powder and the amount of softener with optionally other admixtures and/or additives and carrying out the mixing process at a mixing temperature of approximately 55 to 70°C.

21: 2022/11410. 22: 2022/10/18. 43: 2023/12/13
51: A61K; A61P
71: GENEXINE, INC., MSD INTERNATIONAL GMBH
72: SUNG, YOUNG CHUL, WOO, JUNG WON, PARK, JONG SUP, YOUN, JIN WON
33: US 31: 63/015,076 32: 2020-04-24
54: METHOD FOR TREATING CERVICAL CANCER
00: -
A treatment of cervical cancer caused by human papillomavirus (HPV) infection is disclosed. Pharmaceutical compositions comprising a human papillomavirus (HPV) vaccine and a checkpoint inhibitor agent for preventing or treating a human papillomavirus (HPV)-induced cancer are disclosed.



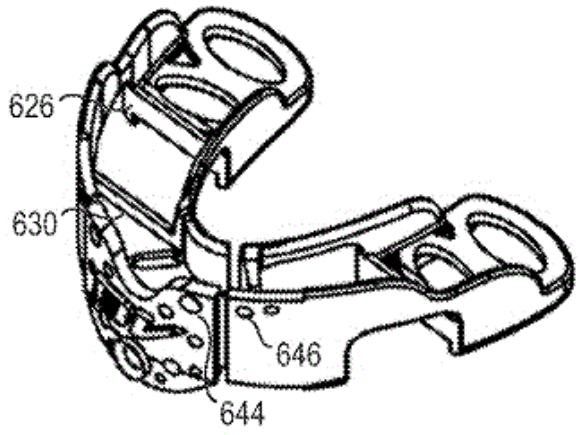
21: 2022/11411. 22: 2022/10/18. 43: 2023/12/13
51: A61K; C12N; A61P; C07K
71: AUTOLUS LIMITED
72: SRIVASTAVA, SAKET, CORDOBA, SHAUN, ONUOHA, SHIMOBI, THOMAS, SIMON, PULÉ, MARTIN
33: GB 31: 2006820.1 32: 2020-05-07
54: CELL
00: -
The present invention relates to a cell which co-expresses: (i) a first chimeric antigen receptor (CAR) at the cell surface, comprising an antigen-binding domain which binds to CD19; (ii) a second CAR at the cell surface, comprising an antigen-binding domain which binds to CD22; (iii) dominant negative SHP2 (dSHP2); and (iv) dominant negative TGFβ receptor II (dnTGFβRII).



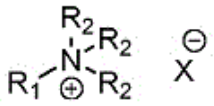
21: 2022/11457. 22: 2022/10/19. 43: 2023/12/13
51: C07K; C12N; A61K; A61P
71: AKESO BIOPHARMA, INC
72: WANG, ZHONGMIN, ZHANG, PENG, LI, BAIYONG, XIA, YU
33: CN 31: 202010324782.X 32: 2020-04-22
33: CN 31: 202011152518.9 32: 2020-10-23
54: ANTI-CD73 ANTIBODY AND USE THEREOF
00: -
Provided in the present invention are an anti-CD73 antibody and the use thereof. Specifically, a heavy chain variable region of the antibody contains HCDR1 to HCDR3 having amino acid sequences as shown in SEQ ID NOs: 15-17, respectively. Furthermore, a light chain variable region of the antibody contains LCDR1 to LCDR3 having amino acid sequences as shown in SEQ ID NOs: 18-20, respectively.

21: 2022/11463. 22: 2022/10/19. 43: 2023/12/13
51: C09D; B42D; A01N; C08K
71: UNILEVER GLOBAL IP LIMITED
72: KOTSAKIS, PANAGIOTIS, PARRY, NEIL JAMES
33: EP 31: 20170671.0 32: 2020-04-21
54: VARNISH
00: -
The invention relates to a varnished banknote comprising from 0.0015 to 2.5 wt.% of a lactam; and to the use of a lactam to either impart anti-biofilm properties to a banknote or to inhibit biofilm growth on a banknote substrate.

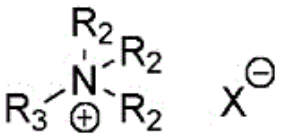
21: 2022/11496. 22: 2022/10/20. 43: 2023/12/13
51: A61C; A61F; A63B
71: UECKERT, GREGG EDWARD
72: UECKERT, GREGG EDWARD
33: US 31: 16/856,963 32: 2020-04-23
54: USER-CUSTOMIZABLE ORTHOPEDIC ALIGNMENT DEVICE WITH ALIGNMENT GAP
00: -
A user-customizable orthopedic alignment device (OAD) that includes a formable mouthpiece which has an alignment gap that is aligned with the user's canine teeth when the device is placed in the user's mouth. The OAD has moldable material that cover the user's molars and may cover the front teeth. The alignment gap is provided to allow an alignment member to be positioned laterally between the user's canine teeth during molding of the moldable material. The moldable material may be positioned on a frame that includes living hinges that allow the frame and mouthpiece to flex and adjust to the specific spacing between a user's right and left molars. After the moldable material has been molded to the user's teeth, inserts can be positioned in the alignment gap in some embodiments to provide cushioning between the canine teeth when the OAD is used.



21: 2022/11497. 22: 2022/10/20. 43: 2023/12/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BARFOOT, RICHARD JONATHAN, COOKE, MICHAEL JAMES, MENDOZA FERNANDEZ, CESAR ERNESTO, PRICE, PAUL DAMIEN
33: EP 31: 20181253.4 32: 2020-06-19
54: HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION
00: -
A conditioning composition provides superior deposition of benefit agent to hair, said composition comprising: (i) 0.01 to 10 wt % of a linear cationic conditioning primary surfactant; selected from structure 1 and mixtures thereof: Structure 1 (ii) 0.1 to 10 wt % of a linear fatty material; (iii) a particulate benefit (iv) 0.01 to 5 wt %, of a linear cationic co-surfactant, selected from structure 2 and mixtures thereof Structure 2.



Structure 1



Structure 2

21: 2022/11537. 22: 2022/10/21. 43: 2023/12/13
51: B21D
71: TATA STEEL IJMUIDEN B.V.
72: JIMMINK, ALEXANDER, JONKER, JORIS, BEERS, LUKAS JOHANNES
33: EP 31: 20171204.9 32: 2020-04-23
54: METHOD AND APPARATUS FOR PRODUCING TWO-PIECE CAN BODIES FROM A LAMINATED METAL SHEET AND A TWO-PIECE CAN BODY PRODUCED THEREBY
00: -
This invention relates to a method and apparatus for producing two-piece can bodies by drawing and ironing a laminated metal sheet, and more particularly to a processing method which prevents abrasion damage or scuffing of the laminate layer on the can body during its ironing, and a drawn and ironed two-piece can body produced thereby.

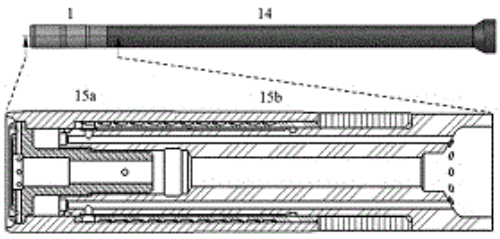


FIGURE 3

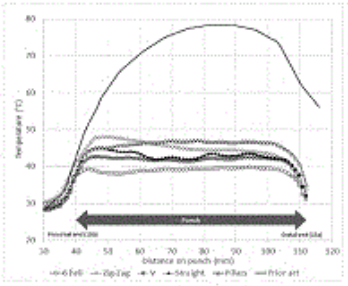
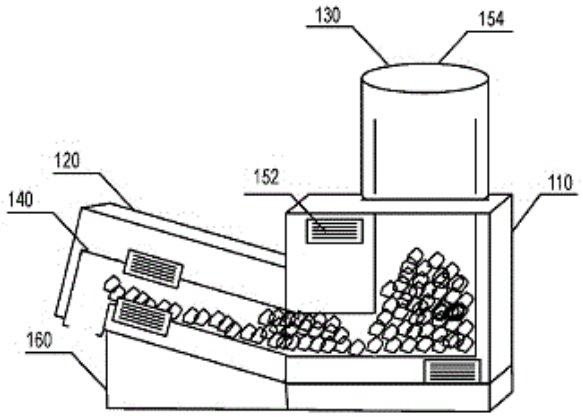
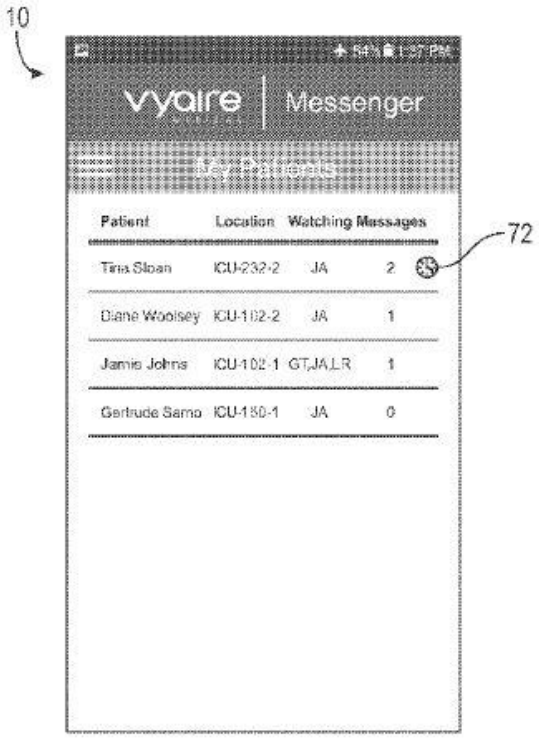


FIGURE 7

21: 2022/11539. 22: 2022/10/21. 43: 2023/12/13
51: C10L; B09B
71: TAKACHAR LIMITED
72: MOHAN, VIDYUT, KUNG, KEVIN
33: US 31: 63/076,571 32: 2020-09-10
33: US 31: 63/030,861 32: 2020-05-27
54: SYSTEM AND METHOD FOR A MULTI-CHAMBER BIOMASS REACTOR
00: -
A system and method for a multi-chamber biomass reactor that includes: a reaction chamber, comprising the primary chamber for biomass processing; an outlet chamber, adjacent and connected to the reaction chamber; a biomass inlet, comprising a region for the input of biomass into the biomass reactor; a conveyor system, comprising components that actuate the biomass, and other components, through the biomass reactor from the biomass inlet through the reaction chamber, and through the outlet chamber; and a gas exchange system, that controls gas flow within the biomass reactor, comprising: at least one air vent; and an exhaust. The system functions to process biomass, whereby the system converts input biomass into energy rich products, such as coal, char, biofuel, fertilizer, briquettes, electricity. The system and method may further include a variable incline module, comprising actuating components that can alter the incline and/or height of the biomass reactor and/or biomass reactor components.



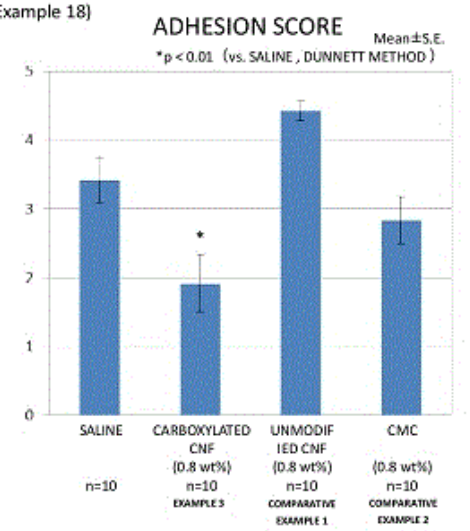
21: 2022/11542. 22: 2022/10/21. 43: 2023/11/30
51: A61B; G16H
71: VYAIRE MEDICAL, INC.
72: VARGA, Christopher M., HASNAIN, Somji
33: US 31: 16/828,906 32: 2020-03-24
54: SYSTEM AND METHOD FOR COMMUNICATING HEALTH-RELATED MESSAGES REGARDING VENTILATED PATIENTS
00: -
The disclosed system receives, from a plurality of ventilators, ventilation data including physiological statistics for a plurality of patients currently receiving ventilation from the plurality of ventilators, and provides, to a plurality of user devices, a user interface configured to present the plurality of patients for selection by a respective user, receive from the respective user a selection of one or more selected patients of the plurality of patients, and provide, to the respective user, messages relating to physiological measurements of the selected patients when the physiological measurements of the selected patients meet predetermined criteria. Responsive to a first physiological measurement of a ventilated patient satisfying a predetermined threshold or range of values, a message is sent by the system to a user device for display to a user authenticated to the user interface, the message including information pertaining to the first physiological measurement.



21: 2022/11598. 22: 2022/10/24. 43: 2023/12/13
51: C03C
71: ARKEMA FRANCE
72: HOEKMAN, LEENDERT
33: FR 31: FR2006617 32: 2020-06-24
54: CATIONIC STABILIZATION
00: -
The present invention relates to a composition comprising a wax, a cationic surfactant, and an acid, wherein the molar ratio between the acid and the cationic surfactant is more than 1.

21: 2022/11627. 22: 2022/10/25. 43: 2023/12/13
51: A61L; A61K
71: OTSUKA PHARMACEUTICAL FACTORY, INC.
72: OHHATA, ATSUSHI, YAMASHITA, HIROMICHI, FUJIMOTO, SHIORI
33: JP 31: 2020-095280 32: 2020-06-01
54: ADHESION-PREVENTING AGENT AND METHOD FOR PREVENTING ADHESION USING SAME
00: -
The present invention provides an adhesion-preventing agent and a method for preventing adhesion that uses the same. The present invention relates to: an adhesion-preventing agent containing at least one anionized nano material selected from the group consisting of anionized nanocellulose and anionized nanochitin; and a method for preventing adhesion using the adhesion-preventing agent.

FIG. 2 (Example 18)



21: 2022/11628. 22: 2022/10/25. 43: 2023/12/13
51: C02F
71: UNILEVER GLOBAL IP LIMITED
72: RAJENDIRAN, GANESAN, SHAH, BIJAL DHARMVIRBHAI, PATHAK, GAURAV
33: EP 31: 20180143.8 32: 2020-06-16
33: IN 31: 202021018884 32: 2020-05-04
54: COMPOSITION
00: -
A composition for purifying water comprising from 5 to 80% wt. aluminium-based flocculant, from 10 to 60% wt. monovalent inorganic salt and from 0.5 to 10% wt. divalent inorganic salt, wherein the monovalent inorganic salt is selected from sulphate, nitrate and mixture thereof..

21: 2022/11629. 22: 2022/10/25. 43: 2023/12/13
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: BEKTO, HASIBA, HUANG, LEI, TRUONG, HANG NGUYET
33: EP 31: 20177510.3 32: 2020-05-29
54: COSMETIC COMPOSITION WITH ENHANCED COLOR STABILITY FOR RETINOIC ACID PRECURSOR
00: -
The present invention is directed to a cosmetic composition containing a functionalized heteroaromatic compound and a retinoic acid precursor. An effective way to stabilize the color

stability of compositions comprising a functionalized heteroaromatic compound and a retinoic acid precursor is desired. It has been determined that a functionalized heteroaromatic compound and a retinoic acid precursor in combination with a compatible oil provide for improved color stability of the retinoic acid precursor. The invention thus relates to a composition comprising a synergistic combination of a compatible oil with a functionalized heteroaromatic compound and a retinoic acid precursor.

21: 2022/11632. 22: 2022/10/25. 43: 2023/12/13
51: E03B; B01D; F25B
71: ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP
72: MIKULANDRIC, ROBERT
33: BE 31: 2020/5434 32: 2020-06-16
54: DEVICE AND METHOD TO EXTRACT WATER FROM HUMID AMBIENT AIR
00: -
Device for extracting water from humid ambient air, the device (1) comprising a conduit (2) in which successively is incorporated : a compressor (3) to compress the humid ambient air into compressed ambient air, a first condenser (5) to dry the compressed ambient air into dry compressed air, an expansion valve or expander (7) for expanding the dry compressed air into dry expanded air and a second condenser (8), characterized in that the first condenser (5) is further configured to direct the humid ambient air through it as coolant for extracting water from the compressed ambient air in a first stage via an outlet (12), and wherein the second condenser (8) is configured to direct the dry expanded air through it as coolant for extracting the water from the humid ambient air in a second stage by means of an outlet (15).

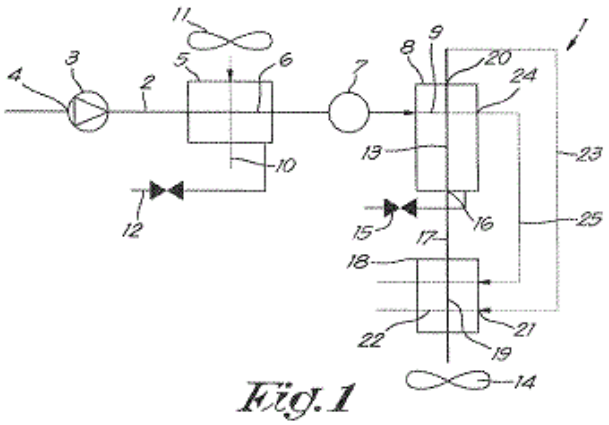


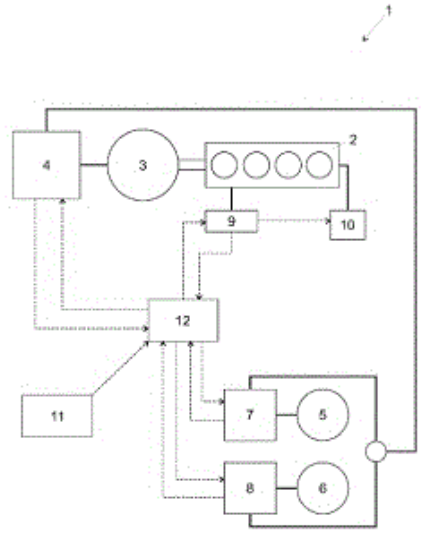
Fig. 1

21: 2022/11633. 22: 2022/10/25. 43: 2023/12/13
51: C12N; C12P
71: RIBOPRO B.V.
72: BARON VAN ASBECK, ALEXANDER HENRIK, DIEKER, JÜRGEN WILHELMUS CAROLUS
33: NL 31: 2025475 32: 2020-04-30
54: METHODS FOR REDUCING RNA IMMUNOGENICITY AND RNA MOLECULES WITH DECREASED IMMUNOGENICITY
00: -
The present invention relates to a method for decreasing the immunogenicity of an RNA molecule and/or at least maintaining the translation efficacy thereof. The present invention further relates to an RNA molecule, which is modified as compared to a corresponding wildtype RNA molecule, wherein the exchange of codons results in the total cytidine content of the modified RNA molecule being at least 10% less than the total cytidine content of the corresponding RNA molecule transcribed from said wildtype DNA sequence. The present invention also relates to an RNA molecule, wherein the exchange of codons results in the total uridine content of the modified RNA molecule being at least 10% less than the total uridine content of the corresponding RNA molecule transcribed from said wild-type DNA sequence. Finally, the present invention relates to the use of an RNA molecule of this invention in genome editing.

21: 2022/11665. 22: 2022/10/26. 43: 2023/12/13
51: A61K; A61P
71: AOBIOME LLC
72: WHITLOCK, DAVID R, JAMAS, SPIROS, WEISS, LARRY

33: US 31: 62/188,343 32: 2015-07-02
33: US 31: 62/189,105 32: 2015-07-06
33: US 31: 14/882,284 32: 2015-10-13
54: AMMONIA OXIDIZING BACTERIA FOR TREATMENT OF ACNE
00: -
A method for treating a skin disorder, e.g., acne, e.g. acne vulgaris, in a subject is provided. The method comprises administering, e.g., applying, e.g., topically administering, ammonia oxidizing bacteria, e.g., a preparation comprising ammonia oxidizing bacteria, to a surface of the subject. Preparations comprising ammonia oxidizing bacteria for treating such skin disorder, e.g., acne, e.g. acne vulgaris in a subject are also provided.

21: 2022/11689. 22: 2022/10/26. 43: 2023/12/13
51: B60K; B60W; B60L
71: NORMET OY
72: KUKKONEN, SAMU
33: FI 31: 20205514 32: 2020-05-20
54: METHOD FOR CONTROLLING POWERTRAIN, AND POWERTRAIN
00: -
Method for controlling a powertrain (1) of a vehicle and a powertrain, which powertrain comprises a diesel engine (2), an electric generator (3), a generator drive (4), at least one electric motor (5, 6), at least one electric motor drive (7, 8), operator input de-vices (11), and a control system (12), wherein the control system (12) controls at least some of the parts of the powertrain (1) based on information obtained from the operator input devices (11) and at least one measuring signal obtained from the diesel engine (2), from the generator drive (4), and from the at least one electric motor drive (7, 8).



21: 2022/11691. 22: 2022/10/26. 43: 2023/12/13
51: A61K; C07H
71: ZIVO BIOSCIENCE, INC.
72: DAHL, ANDREW A, PFUND, WILLIAM P, STEFFEK, AMY E
33: US 31: 63/024,886 32: 2020-05-14
33: US 31: 17/320,706 32: 2021-05-14
54: USE OF TLR4 MODULATOR IN THE TREATMENT OF COCCIDIOSIS
00: -
An effective treatment mechanism in controlling a variety of diseases by modulating the inflammatory response often associated with disease is disclosed. The disclosed inventive concept is based on the modulation of TLR4 by use of a member of the Variovorax group or the Rhodobacter group. Specifically, the Gram-negative bacterium Variovorax paradoxus or the Gram-negative bacterium Rhodobacter sphaeroides is used according to the disclosed inventive concept in the treatment of disease by reducing or inhibiting inflammatory responses.

21: 2022/11731. 22: 2022/10/27. 43: 2023/12/13
51: G06F; G10L
71: DOLBY INTERNATIONAL AB
72: VILLEMOES, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER
33: US 31: 62/475,619 32: 2017-03-23
54: BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS
00: -

A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag.

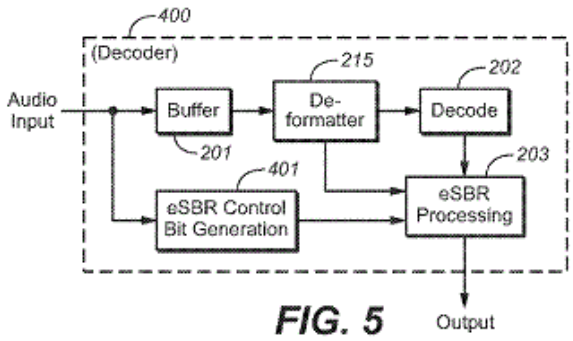


FIG. 5

21: 2022/11732. 22: 2022/10/27. 43: 2023/12/13
51: E02F
71: CATERPILLAR INC.
72: SERRURIER, DOUGLAS, SINN, ERIC, JURA, JASON, BALAN, MIHAI MIRCEA
33: US 31: 62/434,795 32: 2016-12-15
33: US 31: 15/782,889 32: 2017-10-13
54: IMPLEMENT GROUND ENGAGING TIP ASSEMBLY HAVING TIP WITH TAPERED RETENTION CHANNEL
00: -
This invention concerns a ground engaging tip. The tip comprises a body with a rear surface and a front surface that is narrower than the rear surface, a top outer surface and a bottom outer surface. The top outer surface and the bottom outer surface extend forward from a rear edge of the ground engaging tip and converge at a front edge thereof. First and second side outer surfaces extend forward from the rear edge of the ground engaging tip to the front edge. The body further has a nose cavity that extend from the rear surface toward the front surface. The nose cavity comprises first and second side inner surfaces opposite the first and second outer surfaces, respectively, an aperture in at least one of the first and second side inner surfaces and a retention channel defined in each of the first and second side inner surfaces. Each retention channel extends from the rear surface to the respective aperture, and each retention channel comprises an untapered portion and a tapered portion. A cross-sectional area of the tapered portion increases from the untapered portion to the rear edge of the ground engaging tip.

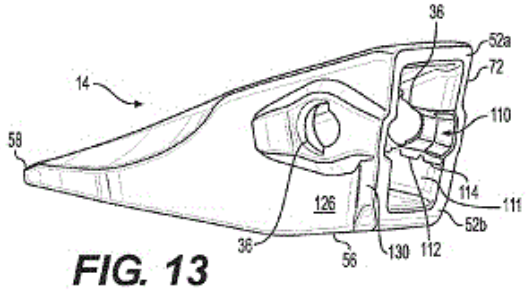
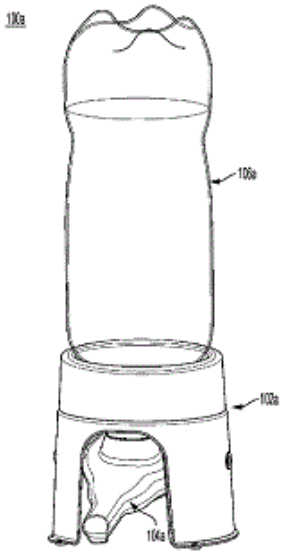
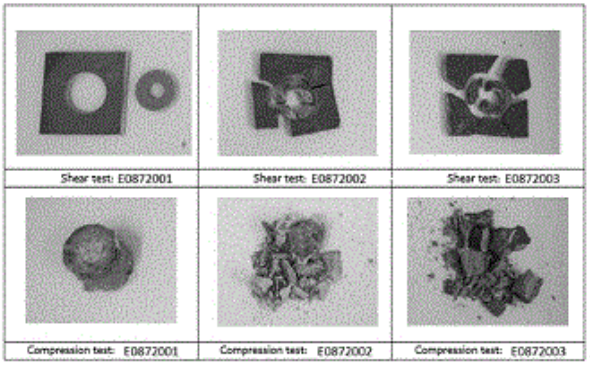


FIG. 13

21: 2022/11746. 22: 2022/10/27. 43: 2023/12/13
51: A47K
71: LIXIL CORPORATION
72: ISHIYAMA, DAIGO
54: HAND-WASHING STATION
00: -
Hand-washing stations comprising a base portion and a nozzle portion are provided. The base portion may be configured to accept a fluid vessel such as an inverted water bottle such that water flows down from the vessel into the hand-washing station. The nozzle portion may be mounted to the base portion and positioned below the vessel such that the water flows into a cavity defined inside the nozzle portion. The nozzle portion may be pivotably mounted to the base portion such that it may be toggled between an on position and an off position relative to the base portion; in the on position, a nozzle opening in the nozzle portion may be below a water line of water filling the nozzle portion such that water flows out of the nozzle portion; in the off position, the nozzle opening may be raised above the water line.



21: 2022/11749. 22: 2022/10/27. 43: 2023/12/13
51: C08G; C04B; C09K; E21D
71: WEBER MINING & TUNNELLING
72: KOELLSCH, DIDIER, WEBER, FRANK
33: FR 31: FR2004522 32: 2020-05-07
54: TWO-COMPONENT COMPOSITION FOR FORMING AN INJECTABLE OR PUMPABLE ORGANO-MINERAL MATERIAL, AND ASSOCIATED SEALING METHODS AND USES
00: -
The present invention relates to a two-component composition consisting of a component A intended to be mixed, in situ, with a component B in order to form an injectable or pumpable organo-mineral compound, in particular for injection-sealing dynamic anchor bolts, comprising at least one alkali metal silicate, at least one polyisocyanate derivative and at least one cement. The component A further contains at least one polyol having a molecular mass of between 50 and 200 g/mol, at least one polymerisation catalyst comprising at least one polar function and at least one gelling agent and the component B further comprises at least one suitable plasticiser, the final mixture of the components A and B leading to the formation of an organo-mineral material having a compressive strength at 10% deformation of at least 17 MPa according to ISO 604 and a shear strength of at least 7 MPa, according to AFTM D732, for setting times of between 20 seconds and 15 minutes at 20°C. It also relates to a method for using a composition according to the invention, the method being characterised in that the components A and B are injected using positive displacement pumps into an anchoring hole. The invention is used in the field of anchor bolt sealing.



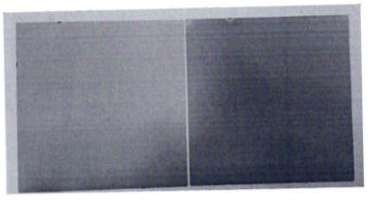
21: 2022/11750. 22: 2022/10/27. 43: 2023/12/13
51:
71: CRRC DALIAN CO., LTD.
72: XU, CHAOLIN, LIU, ZHONGWEI, LI, ZHAOYU, WANG, ZHIQIANG, GAO, LEI, SONG, YANG
33: CN 31: 202111404569.0 32: 2021-11-24
54: AN EMERGENCY DISCHARGE CONTROL METHOD FOR AN INTERNAL COMBUSTION LOCOMOTIVE WITH INTEGRATED MAIN AND AUXILIARY STRUCTURE
00: -
The disclosure relates to the technical field of discharge control of internal combustion locomotives, in particular to an emergency discharge control method for an internal combustion locomotive with integrated main and auxiliary structure. The emergency discharge control method comprises: S1. when the locomotive with integrated main and auxiliary structure has a discharge circuit failure, and TCMS determines that a main generator has stopped generating electricity and the TCMS communicates with an auxiliary converter unit and auxiliary inverter normally, manually selecting an emergency discharge working mode through a display screen; S2. after entering the emergency discharge working mode, the TCMS sends an emergency discharge command to the auxiliary converter unit and the auxiliary inverter. In the present invention, when a discharge device or discharge circuit of the internal combustion locomotive with integrated main and auxiliary structure fails, the TCMS of the locomotive controls auxiliary system to enter the emergency discharge working mode to quickly discharge voltage in the

main circuit, thereby realizing rapid and safe discharge and ensure personal safety. At the same time, special control strategies are adopted to ensure locomotive operation as much as possible after discharge fault, thus avoiding locomotive breaking due to the discharge circuit failure.



Figure 1

21: 2022/11795. 22: 2022/10/28. 43: 2024/02/05
51: C23C; C23F; H01L
71: ZHEJIANG BEYONDSU PV CO., LTD.
72: HE, Yifeng, LV, Wenhui, QIU, Xiaoyong, YAN, Wensheng, TAN, Xinyu, ZHAO, Qingguo, WANG, Xingzhu
33: CN 31: 202011361940.5 32: 2020-11-27
54: PERC CELL PREPARATION METHOD
00: -
The present invention relates to the technical field of photovoltaics, and relates in particular to a PERC cell preparation method mainly used to improve the efficiency of PERC cells. The present invention comprises a diffusion step, an etching step, and a back film processing step carried out in sequence. In the etching step, an etching solution is used, and the chemical composition of the etching solution comprises HNO3, HF, H2SO4, and H2O. In the back film processing step, SiH4 and NH3 are used to perform coating deposition on the rear side of a silicon wafer, and the coating deposition is performed twice. Compared with the prior art, the present invention improves the refractive index of substrates of silicon wafers, and improves the light absorption rate of PERC cells, thereby improving the efficiency of PERC cells.



21: 2022/11800. 22: 2022/10/28. 43: 2023/12/13
51: A23L
71: UNILEVER IP HOLDINGS B.V.
72: KOEK, JEAN HYPOLITES
33: EP 31: 20172187.5 32: 2020-04-29
54: PROCESS FOR THE PREPARATION OF A FLAVOURING
00: -
The present invention relates to a method for the preparation of a flavouring, comprising the steps of (i) providing a reaction mixture comprising (a) yeast extract comprising at least 0.5 wt.% of glycosylamine and/or derivatives thereof and at least 1.0 wt.% of thiol containing compounds, wherein the weight percentage is by weight of dry matter of the yeast extract, (b) at least 1 wt.% of mineral acid or organic acid, by weight of the reaction mixture, and (c) from 0 to 20 wt.% of water by weight of the reaction mixture; and (iii) incubating the reaction mixture at a temperature in the range of 150 to 220 °C, wherein shear is applied to the reaction mixture. The method preferably is natural. The invention also relates to a flavouring obtainable by the method. The flavouring is preferably a natural flavouring.

21: 2022/11801. 22: 2022/10/28. 43: 2023/12/13
51: B01D
71: QUANTUM MATRIX SPA
72: GUILLEMO SEBASTIÁN GOMEZ VERDEJO
54: SYSTEMS AND METHODS FOR BLOCKING, CONFINING AND DECANTING SUSPENDED DUST PRESENT IN AN AREA
00: -
The present invention describes systems and methods for blocking, confining and decanting suspended particulate matter smaller than 100 µm, preferably smaller than or equal to 10 µm, which comprises irradiating, with radio waves, the medium containing the suspended particulate matter in order to destabilise it, causing blocking from one area to another, confinement and decanting.

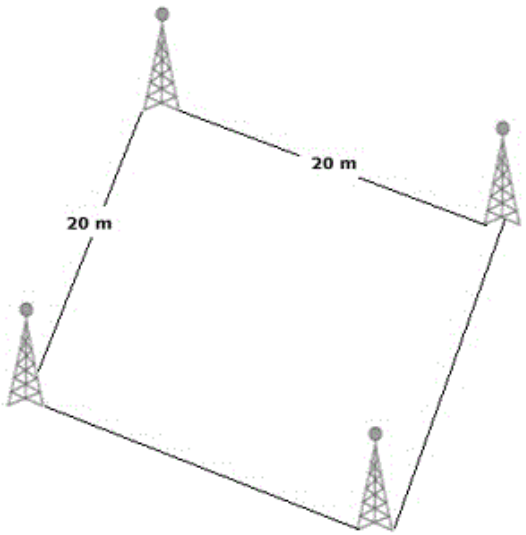


Figure 16

21: 2022/11837. 22: 2022/10/31. 43: 2023/12/13
51: C07D; A61K; A61P
71: RHIZEN PHARMACEUTICALS AG
72: BHUNIYA, DEBNATH, VISWANADHA, SRIKANT, MERIKAPUDI, GAYATRI SWAROOP, VAKKALANKA, SWAROOP KUMAR VENKATA SATYA
33: IN 31: 202041018149 32: 2020-04-28
33: IN 31: 202041047713 32: 2020-11-02

54: NOVEL COMPOUNDS USEFUL AS POLY(ADP-RIBOSE) POLYMERASE (PARP) INHIBITORS

00: -

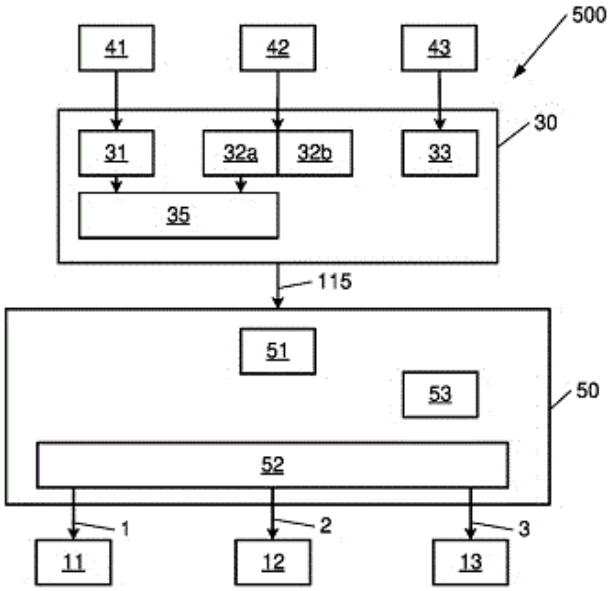
The present invention provides novel poly(ADP-ribose) polymerase (PARP) inhibitors, methods of preparing them, pharmaceutical compositions containing them and methods for the treatment, prevention and/or amelioration of PARP mediated diseases or disorders using them. In particular, the compounds described herein are useful for the treatment of carcinoma of the breast, ovarian cancer, carcinoma of the liver, carcinoma of the lung, small cell lung cancer, esophageal cancer, gall bladder cancer, pancreatic cancer and stomach cancer.

21: 2022/11838. 22: 2022/10/31. 43: 2023/12/13
51: H04L
71: ECOGREEN SOFT SPRL
72: LALLEMAND, XAVIER, HEMERIJCK, OLIVIER
33: BE 31: BE2020/5306 32: 2020-05-07

54: MANAGEMENT OF ELECTRICAL POWER SUPPLY VIA ETHERNET CABLE

00: -

The present invention relates to a method for managing the supply of electrical power to Ethernet devices (11, 12, 13). The Ethernet devices (11, 12, 13) are connected to a management system (50) via an Ethernet cable (1, 2, 3) supplying them with current. When input information (115) is received by the management system (50), this system determines, on the basis of a first list (105) of the Ethernet devices (11, 12, 13), whether it has to interrupt the supply of power to one or more of the Ethernet devices (11, 12, 13) or, conversely, to re-establish the supply of power thereto.



21: 2022/11839. 22: 2022/10/31. 43: 2023/12/13
51: H04Q; H01R; G06K
71: FURUKAWA ELECTRIC LATAM S.A.
72: CHUNG, NICOLAS
33: BR 31: BR 10 2020 008029 6 32: 2020-04-22

54: IDENTIFICATION DEVICE FOR CONNECTION CABLES IN TELECOMMUNICATION-NETWORK JUMPER BOARDS

00: -

Each of the opposing ends of a connection cable (10) has a connector (20), wherein the identification device (DI) includes: a U-shaped body (30) with a basic leg (31) designed to be seated against an upper face (21) of the connector (20) and having an outward-facing housing (33) and at least one projection (34) facing into the body (30) and that can be fitted into a crimping cavity (25) of the connector

(20), the body (30) having two side legs (32) that can be seated against opposing side faces (22) of the connector (20) and that include an internal end tooth (35) that can be seated against the lower face (23) of the connector (20); an identification label (40) in the housing (33); and a cover (50) closing the housing (33) and retaining the identification label (40).

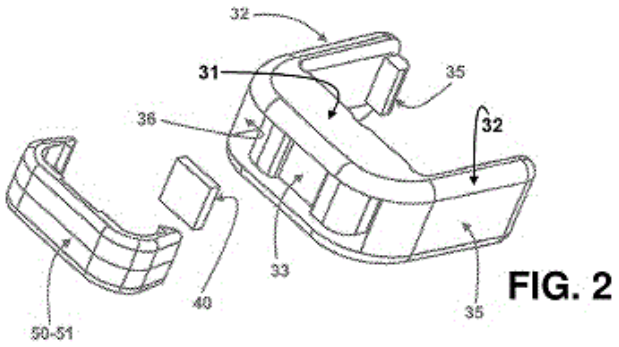
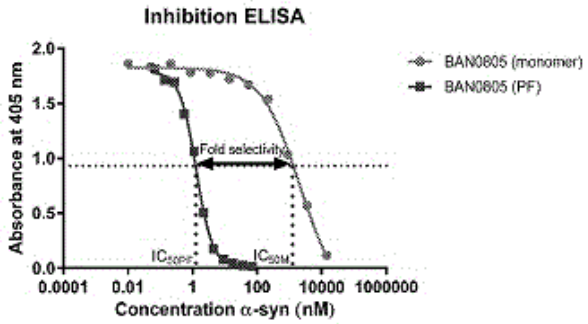
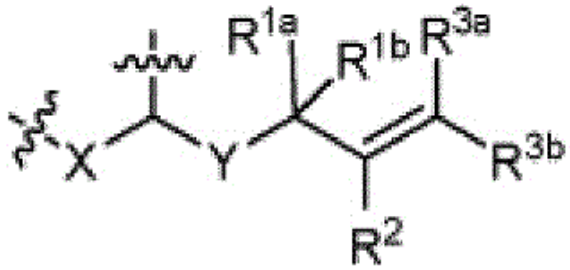


FIG. 2

21: 2022/11843. 22: 2022/10/31. 43: 2023/12/13
51: C07K; A61P
71: BIOARCTIC AB
72: NORDSTRÖM, EVA, SIGVARDSON, JESSICA, NYGREN, PATRIK
33: US 31: 63/071,150 32: 2020-08-27
33: US 31: 63/044,881 32: 2020-06-26
54: ALPHA-SYNUCLEIN PROTOFIBRIL-BINDING ANTIBODIES
00: -
The present disclosure is based, in part, on the discovery of antibodies that selectively targets human α-synuclein aggregates such as oligomers/protofibrils, such as BAN0805. BAN0805 has a lower tendency to bind to the undesired monomeric α-synuclein target as compared to mouse monoclonal antibody mAb47.



21: 2022/11847. 22: 2022/10/31. 43: 2023/12/13
51: C07H; C12Q
71: ILLUMINA CAMBRIDGE LIMITED
72: FRANCAIS, ANTOINE, CRESSINA, ELENA, MARIANI, ANGELICA, CULLEY, ADAM, KOETJE, ANNO, LIU, XIAOHAI
33: US 31: 63/042,240 32: 2020-06-22
54: NUCLEOSIDES AND NUCLEOTIDES WITH 3' ACETAL BLOCKING GROUP
00: -
The present invention concerns a nucleoside or nucleotide comprising a nucleobase attached to a detectable label via a cleavable linker, wherein the nucleoside or nucleotide comprises a ribose or 2' deoxyribose moiety and a 3'-OH blocking group, and wherein the cleavable linker comprises a moiety of the structure (I) wherein each of X and Y is independently O or S; and each of $R^{1a,}$ $R^{2b,}$ $R^{2,}$ R^{3a} and R^{3b} is independently H, halogen, unsubstituted or substituted C_1-C_6 alkyl, or C_1-C_6 haloalkyl. Also provided herein are methods to prepare such nucleotide and nucleoside molecules, and the uses of fully functionalized nucleotides containing the 3' acetal blocking group for sequencing applications.



21: 2022/11958. 22: 2022/11/02. 43: 2024/01/09
51: C08B
71: LABORATORIOS FARMACÉUTICOS ROVI, S.A.
72: FRANCO RODRÍGUEZ, Guillermo, GUTIERRO ADURIZ, Ibon
33: ES 31: PCT/ES2020/070271 32: 2020-04-27
54: METHOD FOR OBTAINING LOW-MOLECULAR-WEIGHT HEPARINS AND LOW-MOLECULAR-WEIGHT HEPARINS THEREBY OBTAINED
00: -
The invention relates to a method for obtaining highly stable low-molecular-weight heparins. The method includes treating depolymerised heparin with H2O2 in a proportion of 0.04-1.0 L H2O2 at 33% w/v per kilogram of depolymerised heparin. The

invention also relates to a heparin obtained using this method

---

21: 2022/12015. 22: 2022/11/03. 43: 2023/12/05
51: H04L H04M H04W
71: ANBARCHIAN, Vida
72: HOMBURG, Karl-Wilhelm
33: EP 31: 20169014.6 32: 2020-04-09
54: TELEPHONE NUMBER VERIFICATION
00: -
The invention relates to a method and a computer program for determining an originating telephone number of a telecommunications terminal and the allocation thereof to at least one data item, which is transferred to a server during an installation of application software on a telecommunications terminal, or linked to a download of the application software or contained in the downloaded application software. No call is connected via the server during the detecting of the voice call connection request.

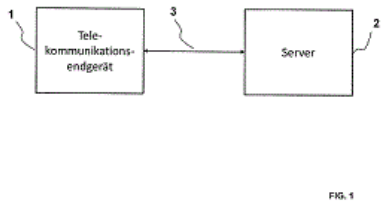
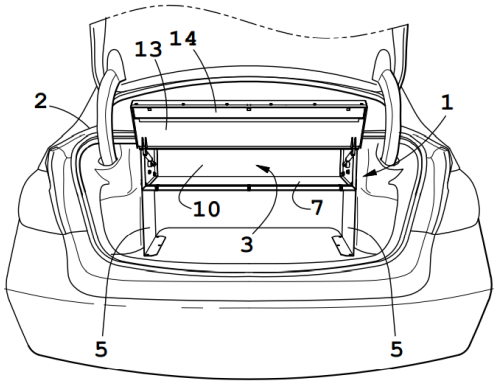


FIG. 1

1 Telecommunications terminal
2 Server

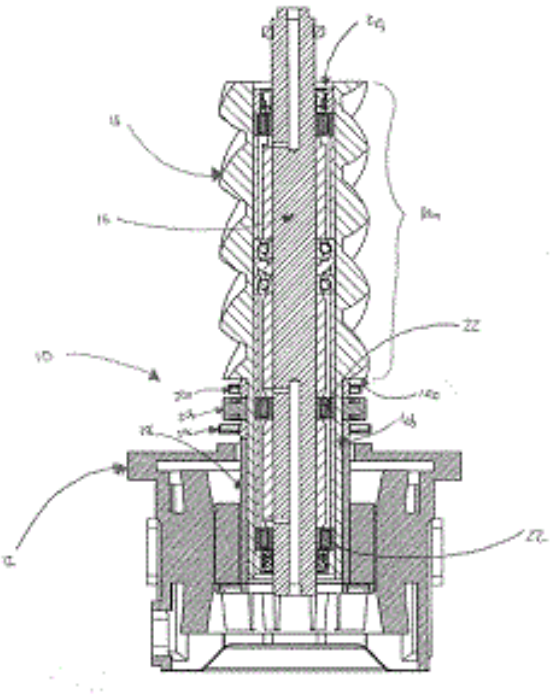
21: 2022/12136. 22: 2022/11/07. 43: 2024/02/14
51: C07K; A61P
71: MEMO THERAPEUTICS AG, UNIVERSITÄT BERN, UNIVERSITÄT ZÜRICH
72: Marcel WEBER, Simone SCHMITT, Christoph ESSLINGER, Thomas SCHACHTNER, Uyen HUYNH-DO, Maurizio PROVENZANO
33: EP 31: 20179041.7 32: 2020-06-09
33: EP 31: 20179044.1 32: 2020-06-09
54: ANTI-BK VIRUS ANTIBODY MOLECULES
00: -
Anti-BK virus antibody molecules or binding fragments thereof are disclosed. These Anti-BK virus antibody molecules or binding fragments can be used in the treatment or prevention of BK virus infection and/or BK virus associated disorder.

21: 2022/13236. 22: 2022/12/07. 43: 2023/12/07
51: E05G
71: Biagi Saga Technologies (Pty) Ltd
72: KUISIS, Gerald
33: ZA 31: 2021/06640 32: 2021-09-09
54: RIFLE SAFE
00: -
The invention pertains to a rifle safe which is preferably used to secure a rifle and/or firearm in a vehicle. The rifle safe consists of a hollow elongate body (internal portion or cavity) to receive and retain the rifle, a cover which covers an elongate opening in the body and a locking mechanism. The cover is movable so as to allow access to the internal portion when in an open condition and to secure the internal portion and the rifle when in the closed position. The locking mechanism is movable between a locked state corresponding to the cover being in the closed position and an unlocked state corresponding to the cover being movable between the open and closed positions. In use, the locking mechanism automatically moves from the unlocked state to the locked state when the cover is moved from the open position into the closed position.



21: 2022/13349. 22: 2022/12/09. 43: 2023/12/05
51: F16D
71: KUZUCAN, Mehmet, Bora
72: KUZUCAN, Mehmet, Bora
54: COUPLING ARRANGEMENT
00: -
A coupling arrangement for coupling a driving means, typically a motor (12), to a hollow rotor (14) and stationary shaft (16) combination, which arrangement includes a rotor (14) having a working formation (14a) and hollow cylindrical member (14b) extending axially from a shoulder formation (not shown) at one end (14c) of the working formation (14a), the member (14b) provided with a thread (not shown) on its outside, which, in use is threaded into

a complementary cylindrical hollow part (18) of the motor (12) and wherein the threads have a tightening direction which is the same as the direction of the motor (12), such that in use, when the motor (12) drives the member (14b), the member (14b) is tightened onto the rotor (14).



21: 2022/13542. 22: 2022/12/14. 43: 2023/12/05
51: A61P A61K A61Q
71: AGENCE FRANCAISE POUR LE DEVELOPPEMENT D'AL ULA
72: DODINET, Elizabeth, BOURGETEAU, Vincent
33: FR 31: FR2005429 32: 2020-05-21
33: FR 31: FR2102686 32: 2021-03-17

54: MORINGA PEREGRINA SEED EXTRACT RICH IN 2,5-DIFORMYLFURAN, PROCESS FOR OBTAINING SAME AND USE THEREOF IN COSMETIC COMPOSITIONS

00: -

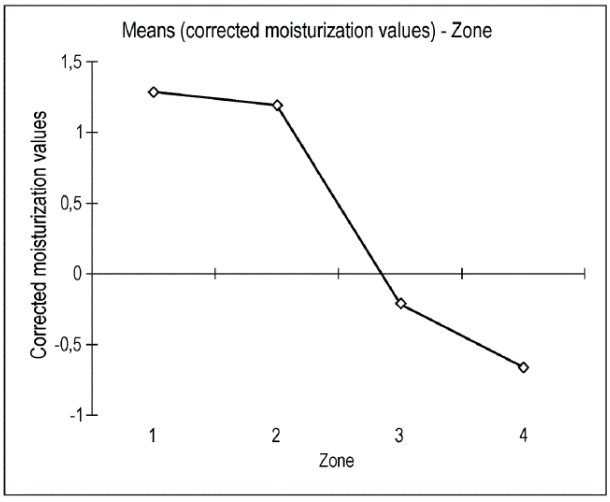
The invention relates to a Moringa peregrina seed extract rich in 2,5-diformylfuran compound, more specifically to an extract of the cake of said seeds, and to a method for extracting the extract. The invention also relates to cosmetic or nutricosmetic compositions comprising said extract and to the use of said compositions for improving the appearance of the skin, mucous membranes or skin appendages, for relaxing, soothing and relaxing the skin and preventing and/or combating the cutaneous signs of aging and/or photoaging and preventing age spots.

21: 2022/13543. 22: 2022/12/14. 43: 2023/12/05
51: A61P A23L A61K A61Q
71: AGENCE FRANCAISE POUR LE DEVELOPPEMENT D'AL ULA
72: DODINET, Elizabeth, BOURGETEAU, Vincent
33: FR 31: FR2005433 32: 2020-05-21
33: FR 31: FR2102631 32: 2021-03-16

54: EXTRACT OF MORINGA PEREGRINA SEED CAKE, METHOD FOR OBTAINING SAME AND USE THEREOF IN COSMETIC OR NUTRICOSMETIC COMPOSITIONS

00: -

The invention relates to an extract of Moringa peregrina seed cake, comprising predominantly a peptide hydrolysate, and to a method for obtaining the extract. The invention also relates to cosmetic or nutricosmetic compositions comprising said extract and to the use of said compositions for improving the appearance of the skin, mucous membranes or skin appendages, preventing and/or combating dryness of the skin and mucous membranes, preventing and/or combating the cutaneous signs of aging and/or photoaging, and promoting skin whitening and slimming.

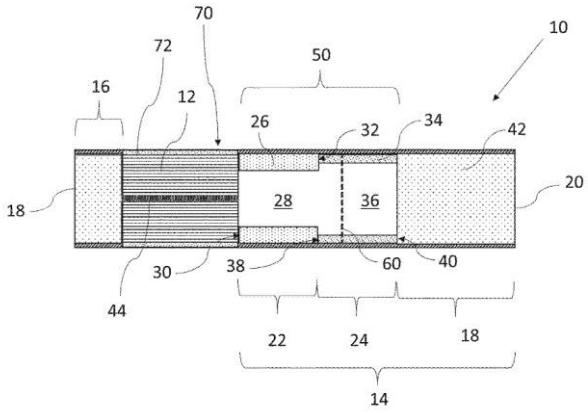


21: 2022/13593. 22: 2022/12/15. 43: 2024/01/08
51: A24D
71: PHILIP MORRIS PRODUCTS S.A.
72: PAPAKYRILLOU, Stefanos
33: EP 31: 20386024.2 32: 2020-05-19

54: AEROSOL-GENERATING ARTICLE COMPRISING A FLAME-RETARDANT

00: -

There is provided an aerosol-generating article (10; 110) for producing an inhalable aerosol upon heating. The aerosol-generating article (10; 110) comprises: a rod (12) of aerosol-generating substrate; a downstream section (14; 114) at a location downstream of the rod (12) of aerosol-generating substrate; and a wrapper (70) circumscribing at least the rod (12) of aerosol-generating substrate. A density of the aerosol-generating substrate is greater than about 300 milligrams per cubic centimetre, and the wrapper (70) comprises a flame retardant composition comprising one or more flame retardant compounds.



21: 2022/13954. 22: 2022/12/22. 43: 2023/12/12
51: B01D; B01J; C02F
71: P2W Ltd.
72: BANKER, Ronny, ZEEVY PEREZ, Yael
33: US 31: 16/881,902 32: 2020-05-22
33: CN 31: 2020104396569 32: 2020-05-22

54: ZLD (ZERO LIQUID DISCHARGE) WASTEWATER TREATMENT

00: -

Methods and systems are provided for wastewater treatment that yields continuous zero liquid discharge (ZLD). These include pre-treating provided wastewater from any contaminated water source to remove heavy metals, ultra-filtering the pre -treated wastewater to remove suspended and colloidal solids, nano-filtering the ultra-filtered wastewater to yield treated water (with monovalent ions) and a concentrate, treating the concentrate to remove di- and tri-valent elements and other compounds from the concentrate, and to reduce a level of sulfates to a specified level which is above a solubility level of sulfates - to yield returned water, and sludge, mixing the returned water with the provided wastewater before or at the first treatment stage and/or with the pre -treated wastewater before the ultrafiltration, and removing residual water from the sludge to yield removed solids with ZLD. Advantageously, disclosed processes and systems are efficient, cheaper and more sustainable than prior art systems.

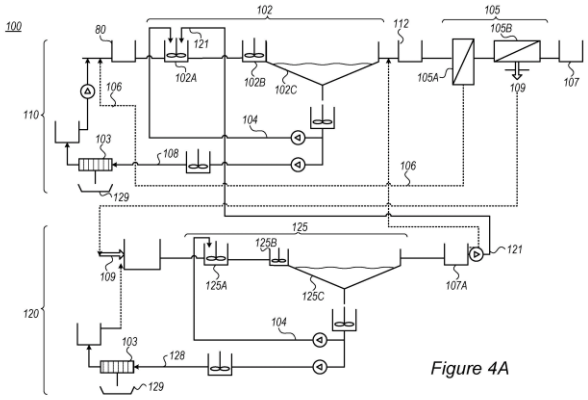


Figure 4A

21: 2023/00355. 22: 2023/01/09. 43: 2024/01/24
51: F03D
71: ENVISION ENERGY CO., LTD
72: LIANG, Yuan, MA, Hao, LARS, Overgaard, SUN, Jianxu

54: MAIN BEAM FOR USE IN WIND-DRIVEN GENERATOR BLADE AND MANUFACTURING METHOD THEREFOR

00: -

A main beam (100) for use in a wind-driven generator blade (1) and a manufacturing method therefor. The main beam comprises: one or more carbon fiber pultrusion plates (101) that are arranged along the length direction of the blade (1); one or more glass fiber pultrusion plates (102) that are arranged along the length direction of the blade (1), wherein each carbon fiber pultrusion plate (101) and each glass fiber pultrusion plate (102) are arranged in a mixing mode, so that the carbon fiber pultrusion plate (101) and the glass fiber pultrusion plate (102) that are mixed have a forward hybrid effect and/or a bending-torsion coupling effect; and a first pouring material that wets the carbon fiber pultrusion plate (101) and the glass fiber pultrusion plate (102).

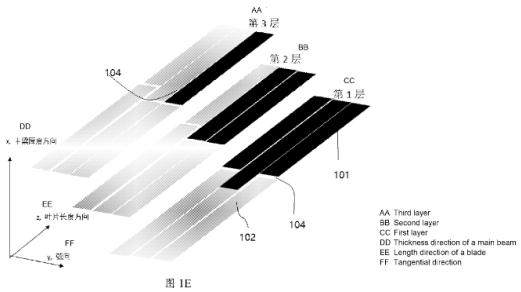
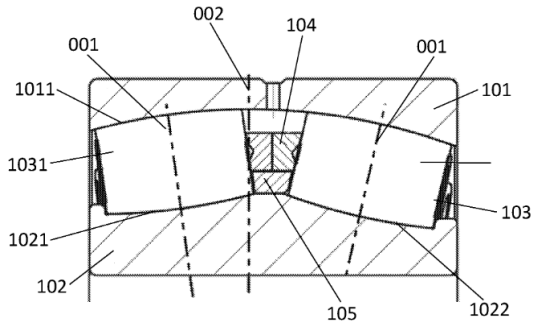
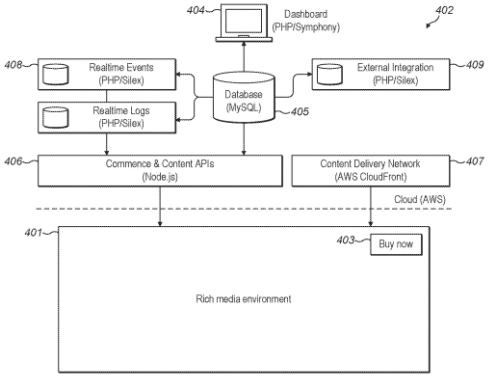


图 1E

21: 2023/00359. 22: 2023/01/09. 43: 2024/01/24
51: F16C
71: ENVISION ENERGY CO., LTD
72: LIANG, Baozhu, YAN, Xiaoming, CHAI, Zhongdong
54: SELF-ALIGNING ROLLER BEARING OF ASYMMETRIC STRUCTURE
00: -
A self-aligning roller bearing of an asymmetric structure, comprising an outer ring (101), an inner ring (102), rolling bodies (103), a retainer (104), and a spacer ring (105) designed in a narrow floating fashion. The rolling bodies (103) are arranged in two columns and provided between the inner ring (102) and the outer ring (101); respective contact angles of the rolling bodies are different; meanwhile, corresponding inner raceway surfaces (1021, 1022) and an outer raceway surface (1011) are also of an asymmetric structure.



21: 2023/00690. 22: 2023/01/16. 43: 2024/02/05
51: G06Q
71: PLAYRCART LIMITED
72: DORMIEUX, Glen, MASON, Richard
33: US 31: 63/053,061 32: 2020-07-17
33: US 31: 63/162,394 32: 2021-03-17
54: A RICH MEDIA ENVIRONMENT
00: -
The present invention provides a Rich Media Environment configurable to provide the user with a seamless way of conducting transactions from within a window of the rich media environment itself. All intermediate steps relating to the required transaction are carried out by calling up relevant modules/applications from within the application libraries from within an e-commerce platform. In preferred embodiments, the rich media environment is configured to be served a rich media file from a file location such as a server or other content delivery network (CDN). The rich media environment is further configured be initialized based on the content of the rich media file and configured to display predefined overlays to the user based on the content of the rich media file. The content owner can upload the rich media files to a server or other CDN via a dashboard/user interface. The parameters can be added to the rich media file using a plurality of fields to enable the desired functionality to be achieved.



21: 2023/00916. 22: 2023/01/20. 43: 2024/02/05
51: A01G
71: VAN BUUREN, Jacques Mauritz
72: VAN BUUREN, Jacques Mauritz
33: US 31: 63/042,060 32: 2020-06-22
54: BLENDED HYDROPONICS
00: -
This invention relates to blended hydroponics. There is provided a plant growth supply panel, which includes a sheet body having at least one enclosed supply passage extending therein. A plurality of plant receiving stations are arranged through the sheet body, in use each pant receiving station surrounds a growing plant. The panel also includes at least one inlet to the at least one enclosed supply passage and a plurality of outlets from the at least one enclosed supply passage, the plurality of outlets positioned proximate the plurality of plant receiving stations, through which supply fluids are delivered to

growing plants in the plant receiving stations in use. The invention also provides for a planting tray onto which the panel fits and a blended hydroponics system.

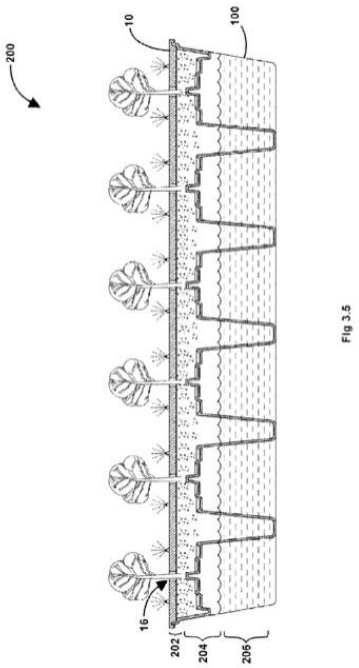
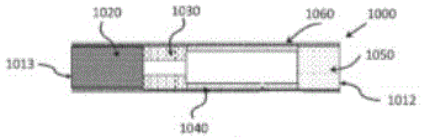


Fig 3.5

21: 2023/01077. 22: 2023/01/25. 43: 2024/01/31
51: A24B
71: PHILIP MORRIS PRODUCTS S.A.
72: ARNDT, Daniel, CAMPANONI, Prisca, SCHALLER, Jean-Pierre
33: EP 31: 20183164.1 32: 2020-06-30
54: NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING MATRICARIA SPECIES
00: -
A heated aerosol-generating article (1000)(4000a,4000b)(5000) comprises an aerosol-generating substrate (1020), the aerosol-generating substrate formed of a homogenised chamomile material comprising chamomile particles, an aerosol former and a binder. The aerosol-generating substrate further comprises at least 20 micrograms of bisabolol oxide A per gram of the substrate, on a dry weight basis; at least 100 micrograms of tonghaosu isomers per gram of the substrate, on a dry weight basis; and at least 15 micrograms of alpha-bisabolol per gram of the substrate, on a dry weight basis.



21: 2023/01276. 22: 2023/01/31. 43: 2024/02/14
51: G01N; H04W
71: GEOBRUGG AG
72: Manuel EICHER
33: DE 31: 10 2020 122 861.9 32: 2020-09-01
54: SENSOR NETWORK-BASED ANALYSIS AND/OR PREDICTION METHOD, AND REMOTE MONITORING SENSOR DEVICE
00: -
The invention relates to a sensor network-based analysis and/or prediction method for protection against natural hazards, having at least the steps of: receiving and collecting electronic sensor data from distributed sensor modules of an outdoor sensor network in an external analysis and/or prediction unit, wherein the sensor data comprises at least outdoor corrosion measurement data, impact sensor data, and/or cable force sensor data, the sensor data comprises at least tropospheric measurement data, and each outdoor corrosion measurement data set is assigned at least one tropospheric measurement data set; storing the received sensor data of the outdoor sensor network in a storage unit of the external analysis and/or prediction unit; analyzing the received sensor data of the outdoor sensor network in order to ascertain the risk of natural hazards in respective usage areas of the sensor modules of the outdoor sensor network by means of the external analysis and/or prediction unit, at least one additional piece of information which relates to the usage area and differs from the outdoor corrosion measurement data and the tropospheric measurement data being incorporated directly into the analysis; and providing the risk of natural hazards ascertained by the external analysis and/or prediction unit to a user group.

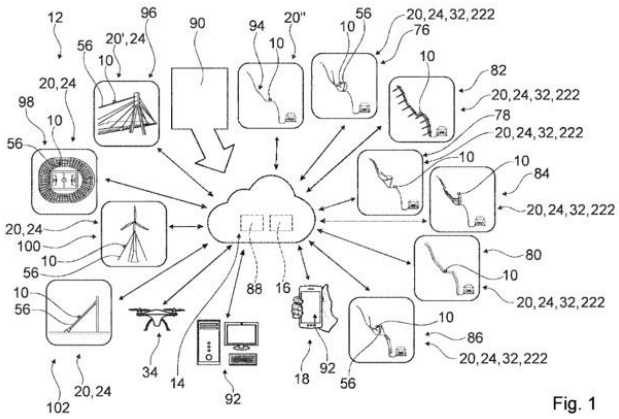


Fig. 1

21: 2023/01431. 22: 2023/02/03. 43: 2024/02/14
51: C21B; F27B
71: ARCELORMITTAL
72: Dominique SERT, Edouard IZARD
54: BLAST FURNACE FOR IRONMAKING PRODUCTION
00: -
A blast furnace for ironmaking production wherein iron ore is at least partly reduced by a reducing gas which is injected in the stack of the blast furnace in an injection zone, the blast furnace comprising an external wall and an internal wall in contact with matters charged into the blast furnace, wherein in the injection zone the internal wall comprises local inwards enlargements and the reducing gas injections are performed below said inwards enlargements.

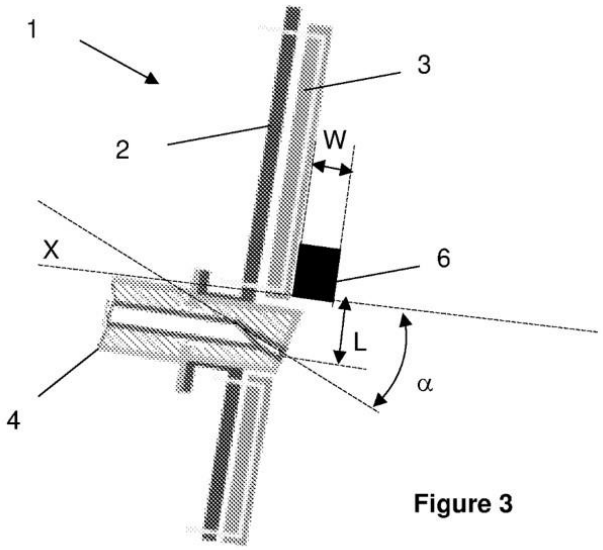


Figure 3

21: 2023/01432. 22: 2023/02/03. 43: 2024/02/14
51: C21B; F27B; F27D
71: ARCELORMITTAL
72: Edouard IZARD, Dominique SERT, Jérôme DAULMERIE
54: DEVICE TO INJECT A REDUCING GAS INTO A SHAFT FURNACE
00: -
A device to inject a reducing gas into a shaft furnace comprising an external casing whose front face is provided with an outlet for gas injection into the shaft furnace, an internal casing located inside the external casing and made of a steel able to resist to a temperature up to 1200°C, this internal casing having an opening matching the gas injection outlet of the front face of the external casing and a refractory layer located between the external casing and the internal casing.

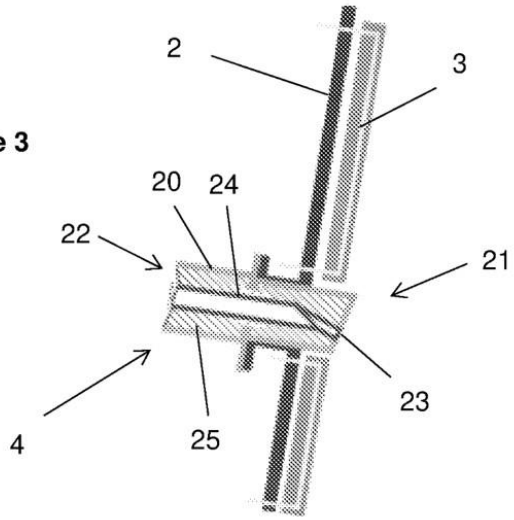
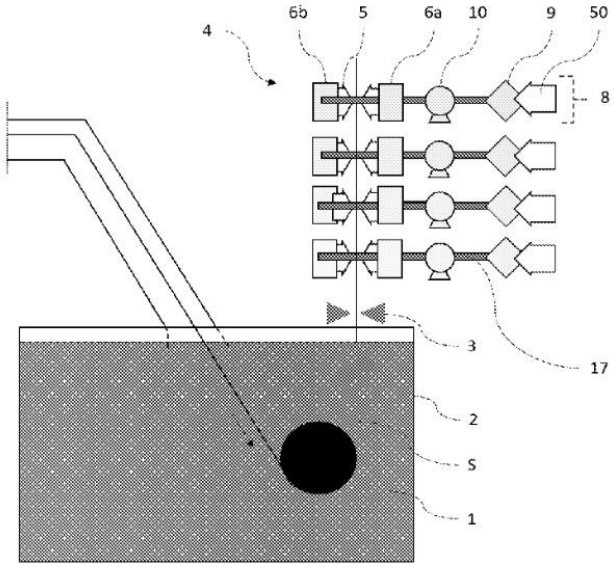


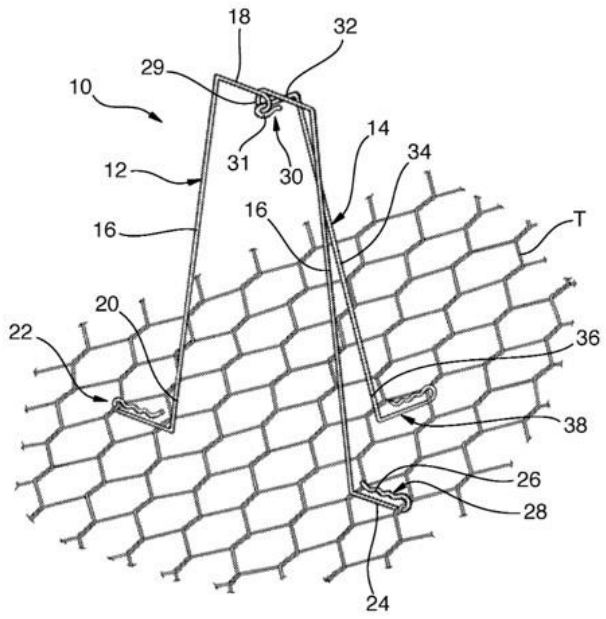
Figure 3

21: 2023/01433. 22: 2023/02/03. 43: 2024/02/13
51: C23C
71: ARCELORMITTAL
72: Maxime BROSSARD, Paul DURIGHELLO, Friederike-Franka ALBRECHT, Jan-Erik HILGER, Luc DIEZ
33: IB 31: PCT/IB2020/058336 32: 2020-09-08
54: FILTRATION SYSTEM
00: -
This patent relates to a cooling method of a travelling coated steel strip, exiting a hot-dip coating bath, comprising the steps of: A) sucking a gas into a cooling device, B) filtering said sucked gas by means of a filtering system capturing at least 50% of the particles having a size of at least 2.5 µm, C) blowing, at a velocity comprised from 1 to 80 m.s-1,

said sucked and filtered gas onto said coated steel strip.



21: 2023/01531. 22: 2023/02/07. 43: 2024/02/14
51: E02B; E02D
71: OFFICINE MACCAFERRI S.P.A.
72: Paolo BIANCHINI
33: IT 31: 102020000020947 32: 2020-09-03
54: GABION TYPE PROTECTION STRUCTURE
00: -
A free-standing bracing tie is used for reinforcing a mattress type structure constructed with a metal mesh which is intended for civil protection works. The bracing tie comprises a main structure (12, 112, 142) having a lower portion (22, 122, 162) for connection to a base sheet (T) of mesh of the mattress type structure and an upper portion (18,118, 148) for connection to a covering sheet of mesh of the mattress type structure. The lower portion (22, 122, 162) and the upper portion (18, 118, 148) are connected to each other by one or more bracing tie branches (16, 116, 146, 147) which are located in a main plane of the main structure (12, 112, 142). At least one support member (14, 114, 144) is connected to the main structure (12, 112, 142) so as to extend out of the main plane so as to produce a generally three-dimensional bracing tie structure (10, 110, 140) which is capable of remaining standing alone. The bracing tie can be closed so as to be compact for storage and transport and can be opened at the location for positioning the mattress type structure.



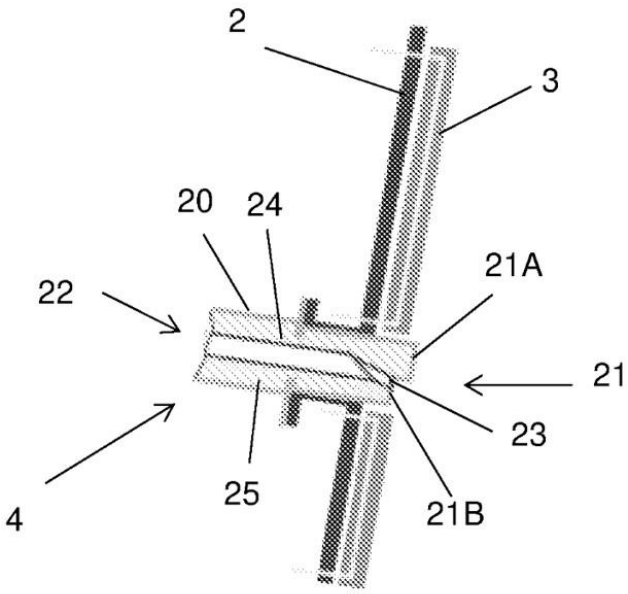
21: 2023/01580. 22: 2023/02/08. 43: 2024/02/14
51: C21D; C22C; C25C
71: ARCELORMITTAL
72: Edgar, Alejandro PACHON RODRIGUEZ, Virginie BLESSE, Doriane SERRA
54: COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF
00: -
A cold rolled and coated steel sheet, the steel comprising 0.30% ≤ carbon ≤ 0.45%, 1% ≤ manganese ≤ 2.5%, 0.9% ≤ silicon ≤ 2.2%, 0% ≤ aluminum ≤0.09%, 0.001%≤ niobium ≤ 0.09%, 0%≤ phosphorus ≤ 0.02%, 0%≤ sulfur ≤ 0.03%, 0% ≤ nitrogen ≤ 0.09%, and optionally one or more of the following elements 0%≤ molybdenum ≤ 0.5%, 0%≤ chromium ≤ 0.6%, 0%≤ titanium ≤ 0.06%, 0%≤ vanadium ≤0.1%, 0%≤ calcium ≤ 0.005%, 0%≤ boron ≤ 0.010%, 0%≤ Magnesium ≤ 0.05%, 0%≤ Zirconium ≤ 0.05%, 0%≤ Cerium ≤ 0.1%, and the balance including iron and unavoidable impurities, the steel sheet having a microstructure comprising 35% to 65% Partitioned Martensite, 15% to 40% of Bainite, 14% to 30% of residual austenite, 4% to 15% of ferrite and 0% to 10% fresh martensite in area fractions, the balance being partitioned martensite.

21: 2023/01581. 22: 2023/02/08. 43: 2024/02/14
51: C21B; F27B; F27D
71: ARCELORMITTAL
72: Edouard IZARD, Dominique SERT, Jérôme DAULMERIE

54: DEVICE TO INJECT A REDUCING GAS INTO A SHAFT FURNACE

00: -

A device to inject a reducing gas into a shaft furnace comprising an external casing whose front face is provided with an outlet for gas injection into the shaft furnace, an internal casing located inside the external casing wherein reducing gas is circulating. The internal casing has an opening matching the gas injection outlet of the front face of the external casing. The front face of the external casing comprises and upper and a lower part and the gas injection outlet is in the lower part and inwards from the upper part.

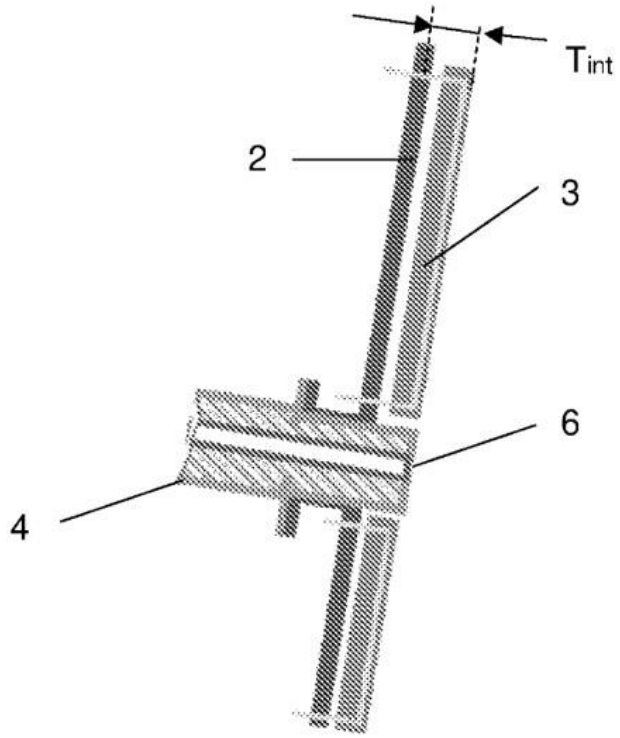


21: 2023/01582. 22: 2023/02/08. 43: 2024/02/14
51: C21B; F27B; F27D
71: ARCELORMITTAL
72: Edouard IZARD, Dominique SERT

54: BLAST FURNACE FOR IRONMAKING PRODUCTION

00: -

A blast furnace for ironmaking production wherein iron ore is at least partly reduced by a reducing gas which is injected in the stack of the blast furnace. The blast furnace comprises an external and an internal wall, having a thickness Tint, in contact with matters charged into the blast furnace. The thickness Tint of the internal wall is substantially constant above and below the injection area of a reducing gas.

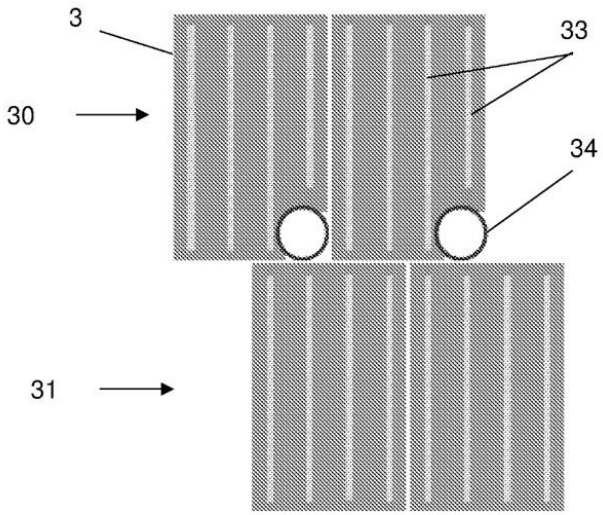


21: 2023/01583. 22: 2023/02/08. 43: 2024/02/14
51: C21B; F27B; F27D
71: ARCELORMITTAL
72: Dominique SERT

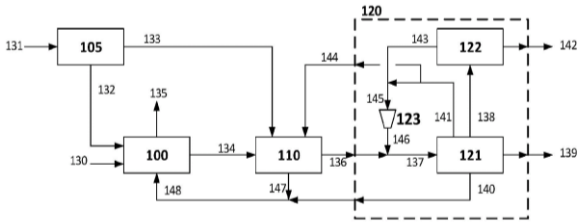
54: BLAST FURNACE FOR IRONMAKING PRODUCTION

00: -

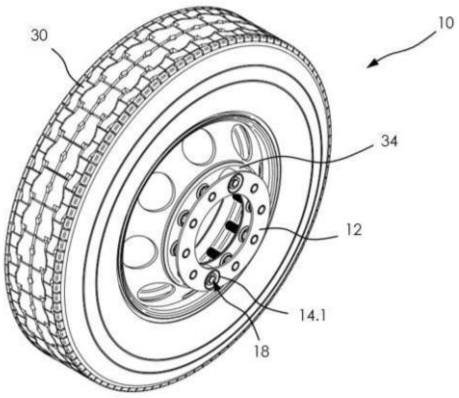
A blast furnace for ironmaking production wherein iron ore is at least partly reduced by a reducing gas which is injected in the stack of the blast furnace. The blast furnace comprises an external wall, an internal wall in contact with matters charged into the blast furnace, said internal wall comprising several rows of staves having a parallelepipedal shape. At least one row of staves comprises staves with a hole drilled in a least one of the corners of the parallelepipedal stave wherein an injection device may be partly inserted in.



21: 2023/03325. 22: 2023/03/03. 43: 2023/12/05
51: B01D; C01B
71: Praxair Technology, Inc.
72: COLEMAN, Luke J., KIM, Kihyung, SWINDLEHURST, Garrett R., SHAH, Minish M.
33: US 31: 63/063,646 32: 2020-08-10
54: PROCESS FOR PURIFYING A SYNTHESIS GAS
00: -
The present invention provides for a pressure swing adsorption (PSA) process for the substantial removal of H2O and CO2 from a synthesis gas to obtain a multicomponent product gas substantially free of H2O and CO2 with high recovery of the product gas. Further, the present invention provides an integrated process that achieves sufficiently high H2 and CO recoveries such that compression and recycling of the syngas purification PSA tailgas is not necessary to be economically advantageous compared to the conventional processes.

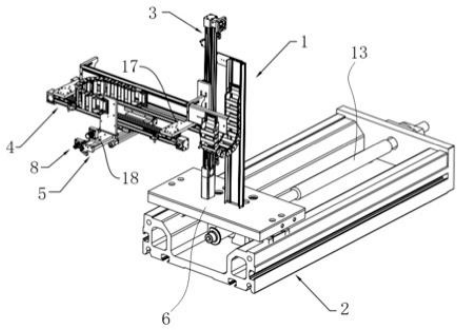


21: 2023/03372. 22: 2023/03/07. 43: 2024/02/05
51: B60B
71: Loadtech Load Cells (Pty) Ltd
72: KLOPPERS, Jacques
33: ZA 31: 2022/02820 32: 2022-03-09
54: ANTI-THEFT LOCKING APPARATUS FOR A WHEEL
00: -
The invention relates to an anti-theft locking apparatus that is to be installed on a vehicle wheel hub 34 for a wheel 30. The anti-theft locking apparatus 10 includes a locking plate 12 formed with a pair of wheel nut apertures 14 that has open-ended, cylindrical nut housings 16 extending from the hub-facing surface of the locking plate. Each housing is dimensioned to accept a dedicated wheel nut 18 and a dedicated wheel nut key 20. The dedicated wheel nut comprises an internally threaded nut with a uniquely configured drive formation. The dedicated wheel nut key includes a drive formation shaped complementally to the uniquely configured wheel nut drive formation. When the locking ring is in position, the nut housing serves to marginally elevate the locking ring over the wheel studs and conventional wheel nuts 36, thereby inhibiting access to the conventional nuts without first removing the locking ring.

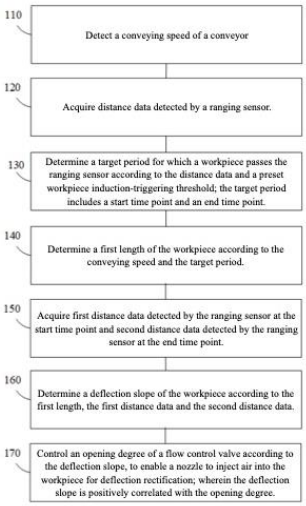


21: 2023/03767. 22: 2023/03/23. 43: 2024/02/05
51: B25J
71: GUANGDONG MECHANICAL & ELECTRICAL POLYTECHNIC
72: WANG, Guanghai, MA, Yinan
33: CN 31: 2022113218292 32: 2022-10-27
54: CANTILEVER MANIPULATOR SYSTEM FOR SPECIAL OPERATIONS
00: -
The present disclosure discloses a cantilever manipulator system for special operations, and belongs to the technical field of manipulators. The system includes a manipulator body, an inkjet printing head, an image acquisition module, a

temperature acquisition module, a ranging module and a controller. The controller is electrically connected with the inkjet printing head, the image acquisition module, the temperature acquisition module and a driver of transmission parts of the manipulator body. The controller extracts a character image in a real-time image and compares the character image with a preset standard character image, to obtain a deviation proportionality coefficient by calculation; the controller establishes a compensation relation according to the deviation proportionality coefficient and a corresponding equipment temperature, and saves the compensation relation; and before a next inkjet printing operation, the controller queries the compensation relation according to a current equipment temperature to obtain a corresponding deviation proportionality coefficient, obtains a motion compensation amount by calculation with a next motion amount of the inkjet printing head, and updates a next motion control parameter of the inkjet printing head according to the motion compensation amount, so as to reduce motion errors caused by high temperature, thereby ensuring inkjet printing quality.



21: 2023/03768. 22: 2023/03/23. 43: 2024/02/05
51: B65G
71: GUANGDONG MECHANCIAL & ELECTRICAL POLYTECHNIC
72: WANG, Guanghai, MA, Yinan
33: CN 31: 2022105727676 32: 2022-05-25
54: NON-CONTACT DEFLECTION RECTIFYING METHOD, SYSTEM, EQUIPEMENT AND MEDIUM
00: -
The present application discloses a non-contact deflection rectifying method, system, equipment and medium. The method is used for rectifying a workpiece by the non-contact deflection rectifying device, and includes: detecting a conveying speed of a conveyor; acquiring distance data detected by ranging sensors; determining a target period for which the workpiece passes the ranging sensors according to the distance data and a preset workpiece induction-triggering threshold; determining a first length of the workpiece according to the conveying speed and the target period; acquiring first distance data detected by the ranging sensors at a start time point and second distance data detected by the ranging sensors at an end time point; determining a deflection slope of the workpiece according to the first length, the first distance data and the second distance data; and controlling an opening degree of flow control valves according to the deflection slope, so that air is injected towards the workpiece by nozzles for deflection rectification. The method improves the workpiece conveying stability. The present application can be widely applied to the technical field of workpiece conveying.



21: 2023/03858. 22: 2023/03/27. 43: 2024/02/08
51: E21D
71: JOY GLOBAL UNDERGROUND MINING LLC
72: WILLAMAN, Patrick Ross, GEORGIOU, Michael, BROAD, Greg, SAELER, Kevin
33: US 31: 63/086,392 32: 2020-10-01
54: BOLTER
00: -
A drilling and bolting rig for performing drilling and bolting operations. The drilling and bolting rig includes a magazine for storing a consumable, a

feed supporting a drill head for movement relative to a work surface, and a loader configured to retrieve the consumable from the magazine and load the consumable into the drill head. The loader includes an arm operable to engage the consumable. The arm is supported for both rotational and translational movement.

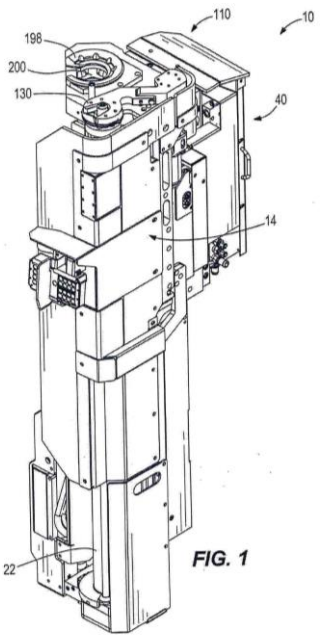
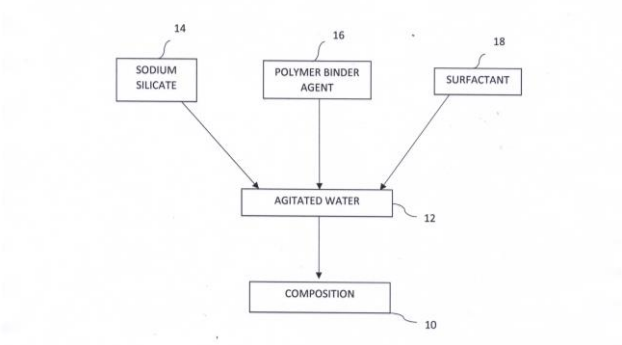


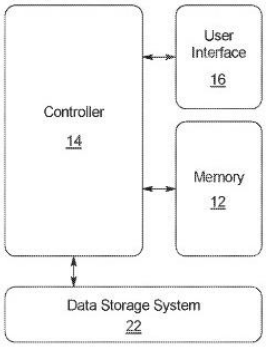
FIG. 1

21: 2023/03968. 22: 2023/03/29. 43: 2024/02/05
51: A61L; B33Y
71: VISCOFAN, S.A.
72: ZÚÑIGA ARRARÁS, Teresa, GUEMBE LAPUENTE, Amaia, RECALDE IRURZUN, José, Ignacio, IZCO ZARATIEGUI, Jesús, María
33: ES 31: P202030996 32: 2020-10-02
54: COLLAGEN INK FOR 3D PRINTING
00: -
The present invention relates to a collagen ink for 3D printing. The present invention also relates to the method for obtaining the ink and the uses given to same.

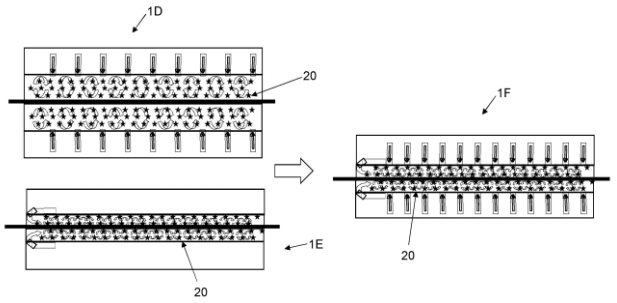
21: 2023/03994. 22: 2023/03/30. 43: 2024/02/05
51: C09K
71: KUPHELA ENVIRONMENTAL SOLUTIONS (PTY) LTD
72: BRITTZ, Andries Petrus
33: ZA 31: 2022/03734 32: 2022-04-01
54: A COMPOSITION FOR USE IN DUST SUPPRESSION AND ROAD STABILISATION
00: -
A composition for use in dust suppression and road stabilisation, the composition comprising sodium silicate, a polymer binder agent, at least one surfactant, and a predetermined amount of water, and a method of producing the same.



21: 2023/04212. 22: 2023/04/06. 43: 2024/02/06
51: G06Q
71: MAPMYID, INC.
72: SANTOSH, Kush, GOPALAKRISHNAN, Gopal Santosh
33: US 31: 63/076,117 32: 2020-09-09
33: US 31: 17/200,548 32: 2021-03-12
33: US 31: 17/224,822 32: 2021-04-07
54: ADDRESS EXCHANGE SYSTEMS AND METHODS
00: -
A product distribution system comprising a data storage system including a physical address and personally identifiable information associated with each of a plurality of individuals, a controller in communication with the database, and a memory coupled to the controller. The controller: receives, as input from one of the plurality of individuals via a permission setting module, characteristics of a desired product; receives, as input from a seller, product characteristics of a product available from the seller; identifies, using the product characteristics, a matching transaction; in response to identifying a matching transaction, facilitates the delivery of one of an offer related to the identified product and the identified product to the identified individual; and withholds, as a default position, the personally identifiable information of the one of the plurality of individuals from the seller.



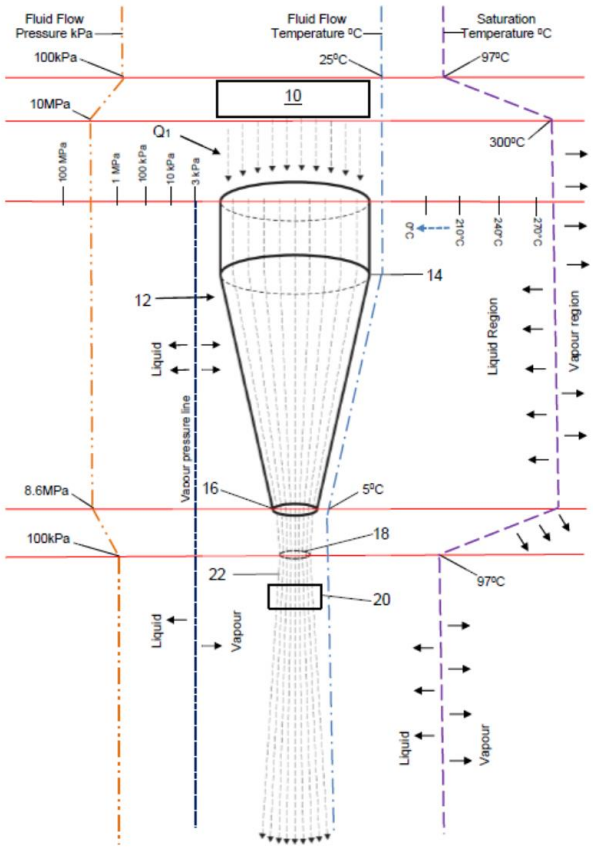
21: 2023/04223. 22: 2023/04/06. 43: 2023/12/13
51: B05B; B08B; B21B; C23G
71: Centre de Recherches Metallurgiques ASBL - Centrum voor Research in de Metallurgie VZW
72: FLAMENT, Sébastien, UIJTDEBROEKS, Hugo, TUSSET, Victor, NOVILLE, Jean-François, SMAL, Julien
33: EP(BE) 31: 20195838.6 32: 2020-09-11
54: ULTRAFAST PICKLING METHOD AND INSTALLATION THEREFOR
00: -
The present invention relates to a pickling installation for applying a pickling treatment to a steel strip (10) in continuous movement, said pickling treatment using an acid solution possibly containing abrasive particles, wherein, in a first treatment tank configuration (1A), each of the first header (2A) and the second header (2B) have an internal flat surface (6) intended to be parallel respectively to the first and second faces of metal strip (10), and at a distance thereof, defining a first gap (5A) and a second gap (5B) respectively, said first header (2A) and said second header (2B) comprising each a plurality of holes (3) drilled through the internal flat surface (6) according to a defined 2D- pattern, for spraying the acid solution to the metal strip (10) in straight jets (4), under conditions suitable to create in use at the surface of the metal strip (10) a highly turbulent liquid cushion (5').



21: 2023/04491. 22: 2023/04/18. 43: 2023/12/06
51: A61K; C07K; G01N
71: LOVELY PROFESSIONAL UNIVERSITY
72: Dr. Monica Gulati, Dr. Bhupinder Kapoor, Dr. Sachin Kumar Singh, Dr. Naresh Kumar, Dr. Runjhun Tandon
33: IN 31: 202111036008 32: 2022-02-10
54: A NOVEL FORMULATION FOR THE TREATMENT OF MUCOR MYCOSIS AND PROCESS THEREOF
00: -
The present invention describes a novel formulation for the treatment of Mucor mycosis and process thereof. Mucor mycosis is a fungal infection generally caused due to various factors such as low oxygen, high glucose, acidic milieu in body and decreased phagocytic activity of WBCs due to immunosuppression. It is a black fungus infection which is quite dangerous and sometimes fatal because sometimes it is responsible for serious brain infection. For the prevention and treatment of mucormycosis various pharmaceutical preparations such as nasal drops, gel, gargles, and nebulizers have been prepared and their in vitro anti-fungal evaluation has done against various fungal strains such as Rhizopus oryzae, Rhizopus homothallicus, Mucor indicus, Aspergillus fumigatus, Aspergillus flavus, Syncephalastrum racemosum and Candida albicans.

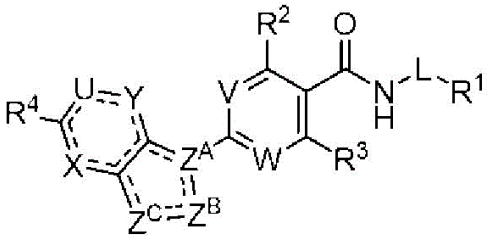
21: 2023/04638. 22: 2023/04/21. 43: 2024/02/05
51: F03B; F03G
71: MAREDI WILSON MPHAHLELE
72: MAREDI WILSON MPHAHLELE
33: ZA 31: 2020/06597 32: 2020-10-23
54: METHOD OF AUTO-CONVERTING FLUID ENTHALPY TO FLUID JET KINETIC ENERGY THROUGH A CONVERGENT NOZZLE
00: -
The invention provides a method of converting fluid enthalpy to fluid jet kinetic energy, suitable for use in

generating power, just behind the vena contracta. This is done through use of a positive displacement pump-driven converging nozzle wherein the ratio of the nozzle throat diameter to the radius curvature of the nozzle profile is no more than 4, such that it directly converts the thermal portion of fluid enthalpy to kinetic energy at the nozzle throat, after which it converts the pressure portion of the fluid enthalpy at the vena contracta. This energy conversion takes place at relatively low fluid temperatures



21: 2023/05023. 22: 2023/05/05. 43: 2024/01/18
51: C07D
71: DEYI PHARMACEUTICAL LTD.
72: LUO, Junlu, MOU, Hongtao, DU, Yesong, TAN, Xin, WANG, Shubin, ZHANG, Pingping, LAN, Lan
33: CN 31: 202011261866.X 32: 2020-11-12
54: PREPARATION METHOD FOR CANNFLAVIN COMPOUNDS
00: -
Disclosed is a preparation method for cannflavin compounds. The preparation method has the advantages of cheap and easily available raw materials, few reaction steps, short production period, simple operation, etc. The method comprises: firstly, condensing 4'-hydroxy-3'-methoxyacetophenone and diethyl carbonate (DEC) under an alkaline condition to obtain 4'-hydroxy-3'-methoxybenzoyl acetate; reacting 1,3,5-trihydroxybenzene with bromo-isoamylene under an alkaline condition to obtain 2-isopentenyl-1,3,5-trihydroxybenzene; and finally, condensing 4'-hydroxy-3'-methoxybenzoyl acetate and 2-isopentenyl-1,3,5-trihydroxybenzene at a high temperature to produce cannflavin B and/or isocannflavin B, and then subjecting same to separation and purification to obtain pure cannflavin B and pure isocannflavin B.

21: 2023/05385. 22: 2023/05/17. 43: 2023/11/29
51: A61K; A61P; C07D
71: Shionogi & Co., Ltd., UBE Corporation
72: OKANO, Azusa, TATENO, Yusuke, NODU, Kouhei, SUZUKI, Shinji, AKIYAMA, Toshiyuki, MATOYAMA, Masaaki, AKAZA, Hiroto, FUKUDA, Takashi
33: JP 31: 2020-180856 32: 2020-10-28
54: AMIDE DERIVATIVE HAVING ANTIVIRAL ACTIVITY
00: -
The present invention provides: a compound, or a pharmaceutically acceptable salt thereof, having an antiviral activity and represented by formula (I); and a pharmaceutical composition containing the same. (In the formula, the broken lines indicate the presence or absence of bonding; R^1 is a carboxy or the like; L is a substituted or unsubstituted non-aromatic carbocyclic diyl or the like; R^2 is a substituted or unsubstituted alkyl; R^3 is a hydrogen atom or the like; X is $=CR^{X}-$ or $=N-$; Y is $=CR^{Y}-$ or $=N-$; U is $-CR^{U}=$ or $-N=$; V is $-CR^{V}=$ or $-N=$; W is $=CR^{W}-$ or $=N-$; Z^A is $-C=$ or $-N-$; Z^B is $-CR^{7}R^{8}-$ or the like; Z^C is $-CR^{5}R^{6}-$ or the like; R^X, R^Y, R^V and R^W are each independently a hydrogen atom or the like; R^U is a hydrogen atom or the like; R^5 and R^6 are each independently a hydrogen atom or the like; R^7 and R^8 are each independently a hydrogen atom or the like; R^4 is substituted or unsubstituted alkyloxy or the like.)

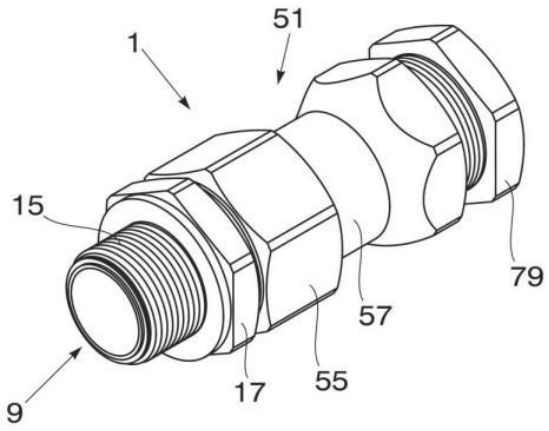


(I)

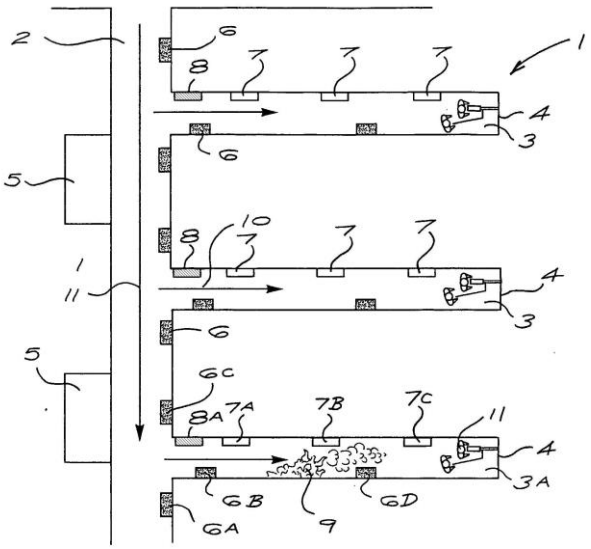
21: 2023/05388. 22: 2023/05/17. 43: 2023/11/29
51: C12C
71: Heineken Supply Chain B.V.
72: HOLLERING, Paulien
33: EP(NL) 31: 20215228.6 32: 2020-12-17
54: HOP EXTRACT
00: -
The present invention provides a process of preparing a liquid hop extract suspension or a liquid hop extract, said process comprising: (a) providing a hop material selected from hops, dried hops, hop

pellets and combinations thereof; (b) combining 100 parts by weight of aqueous liquid with 1-20 parts by weight of the hop material to produce a hop suspension, said aqueous liquid containing at least 95 wt.% water; (c) maintaining the hop suspension at a temperature of 8-40°C for at least 1 hour to produce a liquid hop extract suspension; (d) subjecting the liquid hop extract suspension to solid-liquid separation to produce a liquid hop extract and hop residue. The invention also provides a liquid hop extract suspension or a liquid hop extract that is obtained by the aforementioned process. Further provided is a method of producing a packaged carbonated low alcohol beer, said method comprising combining beer having an alcohol content of 0-1.5% ABV with the liquid hop extract suspension or the liquid hop extract of the present invention. The addition to low alcohol beer of the hop extract of the present invention significantly improves the taste of the beer by rendering it more complex and by introducing pleasant flavour notes, e.g. aromatic hoppy, tropical flavour notes.

21: 2023/05417. 22: 2023/05/18. 43: 2023/11/29
51: H02G
71: CCG INTERNATIONAL HOLDINGS LIMITED
72: MOOD, Geoffrey Ingles
33: US 31: 17/073,810 32: 2020-10-19
33: GB 31: 2016528.8 32: 2020-10-19
54: A CABLE GLAND
00: -
A cable gland for an armoured cable is provided that has an elongate body having an entrance end and fitting end with a passage extending therebetween configured to slide over the armoured cable. A locating member having a flange which operatively abuts the entrance end is provided. A clamping assembly is securable to the entrance end by a coupler and includes a tubular member having a clamping end and a free end with a bore extending between them. The clamping end provides a clamping surface complementary to the flange of the locating member such that cable armour can be secured between the clamping surface and the flange. The elongate body and clamping member provide a constant internal diameter through the length of the cable gland configured to permit the cable gland to be placed over the armoured cable and moved along the armoured cable during assembly of the cable gland.

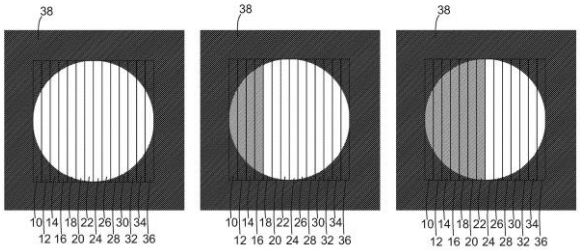


21: 2023/05456. 22: 2023/05/19. 43: 2023/11/29
51: E21F; G08B
71: RESCUE ONE EQUIPMENT (PTY) LTD
72: Nigel George WOODWARD
54: SAFETY SYSTEM
00: -
There is disclosed a safety system comprising an event sensor, at least one source of pressurized non-toxic and non-flammable alarm gas, and control means to release the alarm gas in response to a signal received from the event sensor, with the source of pressurized alarm gas being contained in a gas-housing separate from a control-housing that contains the control means, and with the control means being electrically connected to an electrically actuated valve associated with the source of pressurized alarm gas, operatively for the control means to remotely activate the valve to release the gas when the control means receives the signal from the event sensor.



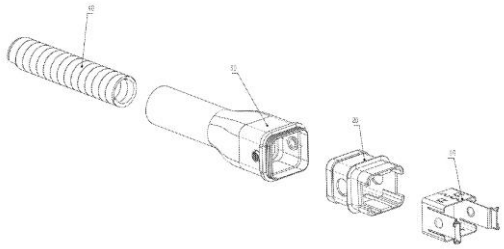
21: 2023/05504. 22: 2023/05/22. 43: 2023/11/29
51: C07C C08J
71: RECYC'ELIT
72: MEDIMAGH, Raouf
33: FR 31: 2012085 32: 2020-11-24
54: IMPROVED METHOD FOR RECYCLING PET BY ALCOHOLYSIS
00: -
The present invention relates to the field of recycling PET-type plastics commonly used for the manufacture of disposable plastic bottles, food trays, textiles, etc. More specifically, it relates to a method for converting PET into dimethyl terephthalate (DMT) in a few hours (less than 5 hours) by means of a complete reaction resulting in a product free of impurities. The depolymerisation step is carried out in the presence of a monoalcohol as well as an organic base with a guanidine or amidine unit, and a second base which may be either an inorganic base or an ether oxide. These two bases are present in catalytic amounts relative to the amount of PET to be treated.

21: 2023/05524. 22: 2023/05/22. 43: 2023/11/29
51: G04B; G09F
71: QLOCKTWO License GmbH
72: BIEGERT, Marco, FUNK, Andreas
33: EP(DE) 31: 20215658.4 32: 2020-12-18
54: MOON PHASE DISPLAY
00: -
The invention relates to a moon phase display, comprising: • a display layer in which the current moon phase is displayed, • display elements which have a first strip-like side face on which an illuminated moon portion is depicted, and a second strip-like side face on which a non-illuminated moon portion is depicted, • wherein each of the display elements has a first rotational position in which the first side face is arranged in the display layer, and a second rotational position in which the second side face is arranged in the display layer, • wherein the first side faces together show the full moon in a full moon position in which all the display elements are in their first rotational position, • a drive which can rotate each of the individual display elements about its longitudinal axis, and • a controller which is designed to actuate the drive such that, starting from the full moon position, each one of the display elements is rotated into the second rotational position in successive steps until all the display elements are in the second rotational position, so that a gradually waning moon is displayed.



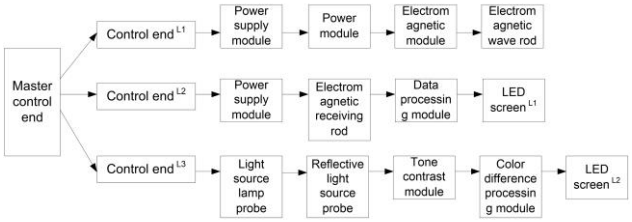
21: 2023/05566. 22: 2023/05/23. 43: 2024/01/04
51: H01R
71: SHENZHEN COTRAN NEW MATERIAL CO., LTD
72: SONG, Bin, ZHOU, Dong, ZHU, Dongdong
33: CN 31: 202011419281.6 32: 2020-12-07
54: INTEGRATED WATERPROOF SEAL ASSEMBLY AND USE THEREOF
00: -
An integrated waterproof seal connector and the use thereof. The integrated waterproof seal connector comprises a metal snap-fit member (10), a plastic support member (20), a rubber tube (30) and a tube supporting member (40). The rubber tube (30) is of a hollow structure and comprises a first hollow structure portion (34), a second hollow structure portion (32) and a connecting portion (31) connecting the first hollow structure portion (34) and the second hollow structure portion (32), which are formed in an integrated manner. The tube supporting member (40) is detachably disposed in the first hollow structure portion (34) and is used to support

the first hollow structure portion (34). The metal snap-fit member (10) is detachably disposed in the plastic support member (20), and a pressed clamping structure portion (107) is arranged on an end of the metal snap-fit member and can be clamped to a wall of the plastic support member (20). The plastic support member (20) is disposed in the second hollow structure portion (32); a first end of the second hollow structure portion (32) is provided with a seal structure, which can seal a connecting port of a device; and the clamping structure portion between the plastic support member (20) and the metal snap-fit member (10) protrudes from the first end of the second hollow structure portion (32). The connector can realize a long-term reliable waterproof seal in an outdoor environment.



21: 2023/05582. 22: 2023/05/24. 43: 2024/01/04
51: A61K; A61P
71: MANE, Swapnil M., BORKAR, Kanchan M., SHEKOKAR, Anant Kumar V.
72: MANE, Swapnil M., BORKAR, Kanchan M., SHEKOKAR, Anant Kumar V.
54: HERBAL COMPOSITION FOR DIABETES MELLITUS
00: -
The invention provides a synergistic oral liquid herbal composition falling under the category of "Asavas" and "Arishtas", useful for management of diabetes mellitus, metabolic syndrome, Non-alcoholic Fatty Liver Disease (NAFLD). The present composition comprising a therapeutically effective amount of plant extracts, self-generated ethanol to the extent of 7 to 12% v/v and having not more than 1 to 2 % w/w of sugar content. This process facilitates the production of fermented liquid orals virtually free from sugar and hence provides benefits to the large segment of population suffering from Diabetes mellitus and related medical conditions.

21: 2023/05633. 22: 2023/05/25. 43: 2024/01/04
51: G01N
71: Nantong University
72: GU, Wenyan, JIA, Qi, SUN, Yifei, WU, Yanyi, ZHANG, Maoxian
33: CN 31: 202210573677.9 32: 2022-05-25
54: A DEVICE AND METHOD FOR DETECTING TEXTILE WAVE-ABSORBING PROPERTY
00: -
A device for detecting textile wave-absorbing property is disclosed. The device includes a device body; an outer surface of the device body is provided with a first display screen; an outer surface of the device body is provided with a second display screen; a searchlighting port is provided on one side of the device body, an electromagnetic wave rod is disposed inside the searchlighting port; and an outer surface of the electromagnetic wave rod is provided with a convex surface lens. By means of arranging mechanisms such as the electromagnetic wave rod, an electromagnetic receiving rod and a light source block, the device may effectively perform multi-detection on materials required for monitoring when being used, such that the device debugs light waves with different intensities and different light-gathering degrees, or an electric wave, so as to be displayed in the first display screen and the second display screen.



21: 2023/05689. 22: 2023/05/26. 43: 2024/01/31
51: B01J; C01B; C10K
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC QILU COMPANY
72: WANG, Min, XU, Jinshan, YU, Hantao, BAI, Zhimin, WANG, Hao, JIANG, Jianbo, XUE, Hongxia
33: CN 31: 202011166843.0 32: 2020-10-27
54: CATALYST AND METHOD FOR SULFUR-TOLERANT SHIFT CATALYTIC REACTION
00: -
The present invention relates to the field of sulfur-tolerant catalysts, and discloses a catalyst and a preparation method therefor, and a method for a sulfur-tolerant shift catalytic reaction. The catalyst

contains a support and a molybdenum oxide, a cobalt oxide and a cobalt-molybdenum-based perovskite composite oxide supported on the support, wherein the cobalt-molybdenum-based perovskite composite oxide contains the elements molybdenum, cobalt, an A element, and oxygen, wherein the A element is one or more of a rare earth metal element, an alkali metal element, and an alkaline earth metal element. The catalyst of the present invention also has a high sulfur-tolerant catalytic activity for raw material gases with a low H2S content.

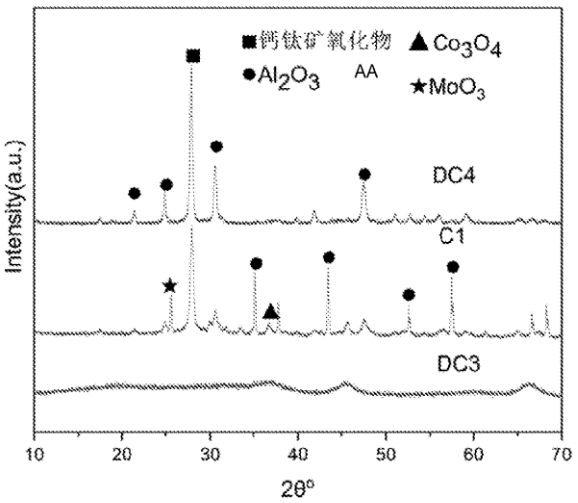


图 1

AA Perovskite oxide

21: 2023/05702. 22: 2023/05/26. 43: 2023/11/29
51: A61M; B01D
71: Qura S.R.L.
72: GALAVOTTI, Daniele
33: IT 31: 102020000025762 32: 2020-10-29
54: OXYGENATOR OF ORGANIC FLUIDS
00: -
The oxygenator (10) of organic fluids comprises a container body (20); a first aperture (21) for the entry of oxygen and a second aperture (22) for the exit of an exhausted gas; a third aperture (23) for the entry of an organic fluid to be oxygenated and a fourth aperture (24) for the exit of an oxygenated organic fluid; an oxygenation chamber (30) to oxygenate the organic fluid to be oxygenated, defined inside the container body (20); and a mass (31) of capillary fibers (32) which are impermeable to liquids and porous to gases, disposed so as to be lapped by the organic fluid inside the oxygenation chamber (30), parallel to each other in a first direction (X).

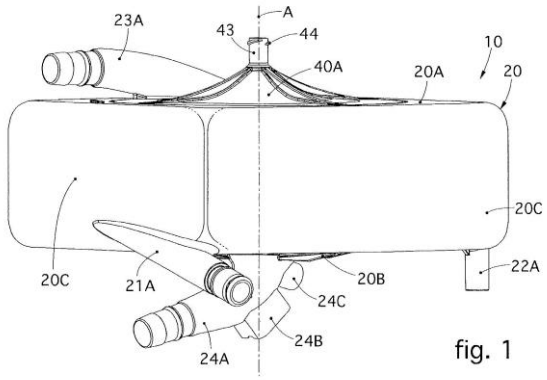


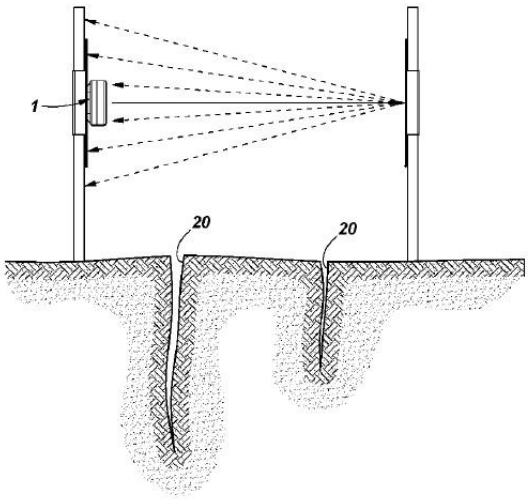
fig. 1

21: 2023/05789. 22: 2023/05/30. 43: 2024/01/08
51: B01D; F24F; F28D
71: BALTIMORE AIRCOIL COMPANY, INC.
72: ROUSSELET, Yohann Lilian, EGOLF, Kevin Ellsworth, LITWACK, Ellie M.
33: US 31: 63/121,063 32: 2020-12-03
54: TUBULAR MEMBRANE HEAT EXCHANGER
00: -
In accordance with one aspect of the present disclosure, a tubular membrane heat exchanger module is provided that includes an inlet header and outlet header. The inlet header is configured to connect to an adjacent upstream tubular membrane heat exchanger module and from an upstream wetted compartment therewith. The outlet header is configured to connect to an adjacent downstream tubular membrane heat exchanger module and form a downstream wetted compartment therewith. The tubular membrane heat exchanger module further includes tubular membranes connecting the inlet header and the outlet header. The tubular membranes facilitate flow of process fluid from the upstream wetted compartment to the downstream wetted compartment. Further, the tubular membranes permit mass transfer between the process fluid in the tubular membranes and a fluid contacting outer surfaces of the tubular membranes.

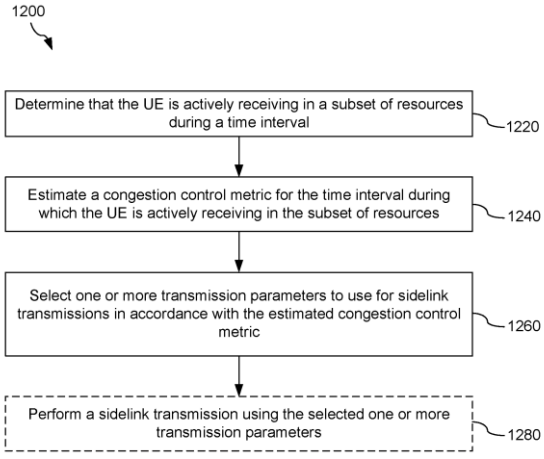
21: 2023/05830. 22: 2023/05/31. 43: 2024/01/24
51: C06B
71: ENAEX AFRICA (PTY) LTD
72: KRUGER, Francois, HUGO, Charlene, YOUNG, Cyril, Austin
33: ZA 31: 2022/13792 32: 2022-12-21

54: EXPLOSIVE COMPOSITION
00: -
The present invention relates to a low Velocity of Detonation (VoD), low-energy explosive composition. The present invention further relates to a low-VoD, low-energy explosive composition comprising a bulk base emulsion composition mixed with a density-modifying agent; and to a method for the preparation thereof.

21: 2023/05837. 22: 2023/05/30. 43: 2024/01/08
51: G01S
71: TRUDI PIPER
72: PHILIP STEPHEN PIPER, DIEDERIK ARNOLDUS KAPP
33: ZA 31: 2020/07465 32: 2020-12-09
54: MEASURING DEVICE
00: -
This invention relates to a measuring device and more particularly, but not exclusively, to a measuring device for measuring a change of distance between at least two points. The measuring device comprises a housing having a laser source and an adjustment means for adjusting the direction of a laser beam emitted by the laser source and a receiving means for receiving part of the laser beam reflected from an object for measuring a distance to the object.



21: 2023/05844. 22: 2023/05/31. 43: 2024/01/08
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: BLASCO SERRANO, Ricardo, LEON CALVO, Jose Angel, ASHRAF, Shehzad Ali, KIM, Jeong Hun
33: US 31: 63/138,628 32: 2021-01-18
54: CONGESTION CONTROL FOR SIDELINK TRANSMISSIONS
00: -
Embodiments of the present disclosure provide a method (1200) for congestion control during sidelink transmissions. The method (1200) is performed by a user equipment, UE (1300), in a wireless communication network. The method (1200) comprises determining (1220) that the UE is actively receiving in a subset of resources during a time interval and estimating (1240) a congestion control metric for the time interval during which the UE is actively receiving in the subset of resources. The method (1200) comprises selecting (1260) one or more transmission parameters to use for sidelink transmissions in accordance with the estimated congestion control metric. Further, the method (1200) comprises performing (1280) sidelink transmission using the selected one or more transmission parameters. Corresponding UE, and computer program products are also disclosed.



21: 2023/05870. 22: 2023/06/01. 43: 2023/12/01
51: G06F
71: Deepak Viswanath
72: Deepak Viswanath, Ankur Singh Rajpoot, Preeti Rajput, Dipti Bhagat, Shubhrata Shrivastava, Kiran Dodani, Nidhi Choudaha, Jayasimha V.L
54: A METHOD FOR ASSESSING PEDIATRIC ORAL HEALTH AND SYSTEM THEREOF
00: -
The present invention introduces the Pediatric Oral Health Assessment Index (POHAI), a comprehensive, child-centric self-reporting tool for

assessing oral health in children aged 6-11 years. The POHAI evaluates a wide array of oral health issues and their impact on daily activities and physiological functions. This unique tool is simple, accessible, and quick to complete, requiring less than 5 minutes on average. It can be employed in diverse environments, such as schools and dental hospitals, without the need for specialized equipment or professional training. The POHAI uses a quantitative scoring system, providing a clear measure of a child's oral health status, and encourages self-awareness and self-management of oral health issues. This innovative index promotes oral health awareness, facilitates early detection and management of oral health problems, and can serve as a valuable tool in research and evaluation to improve pediatric oral health outcomes.

21: 2023/05897. 22: 2023/06/02. 43: 2023/12/01
51: G08C
71: Dr. Vishal Sharma
72: Dr. Vishal Sharma
54: A SYSTEM TO ANALYSE SPREAD SPECTRUM USING DS, FH AND PN SEQUENCE TECHNIQUES
00: -
A SYSTEM TO ANALYSE SPREAD SPECTRUM USING DS, FH AND PN SEQUENCE TECHNIQUES Spread spectrum transmitters use a periodical pseudo-random sequence to modulate the baseband signal before transmission. A receiver, which does not know the sequence, cannot demodulate the signal. The spread spectrum techniques are useful for secure transmitter because the receiver has to know the sequence used by the transmitter to recover the transmitter data. The present invention provides a technique to automatically determine the spreading sequence, whereas the receiver has no knowledge of the transmitter's code. MATLAB simulations will examine the code estimation performance of the proposed algorithm.

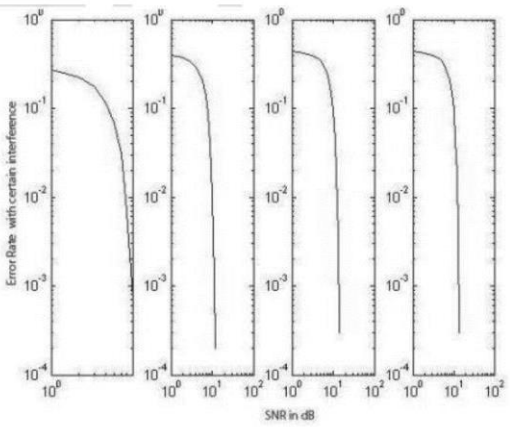
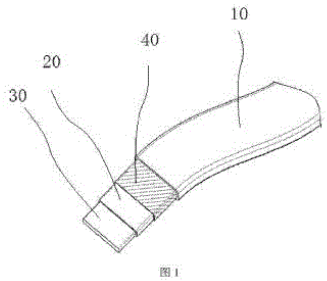


Figure 1 Simulation results for DSSS with different interferences

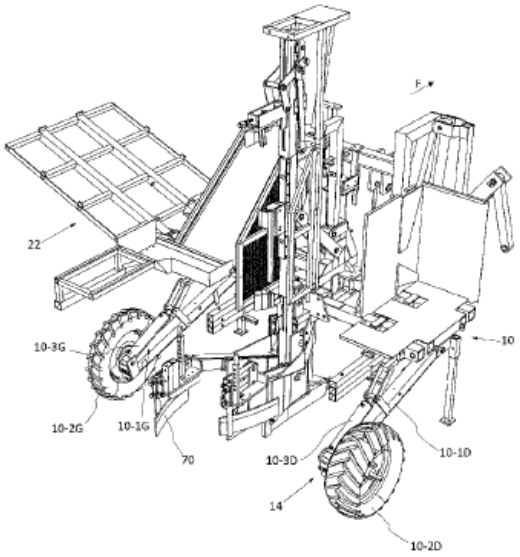
---

21: 2023/05937. 22: 2023/06/05. 43: 2024/01/11
51: H01B
71: CHANGCHUN JETTY AUTOMOTIVE TECHNOLOGY CO.,LTD.
72: WANG, Chao
33: CN 31: 202011513821.7 32: 2020-12-18
54: FLAT RIBBON TYPE CONDUCTIVE WIRE BODY AND FLAT RIBBON TYPE WIRE HARNESS
00: -
The present invention provides a flat ribbon type conductive wire body and a flat ribbon type wire harness. The flat ribbon type conductive wire body comprises a conductive core body, an insulating layer, and a shielding layer. The insulating layer wraps the conductive core body, and the shielding layer is disposed outside the insulating layer. The flat ribbon type conductive wire body has a good electromagnetic shielding function, strong anti-electromagnetic interference capability, and low requirements for installation space, can be widely used in occasions having high requirements for signal transmission stability, and improves the space requirement of the whole vehicle for wire harness layout.

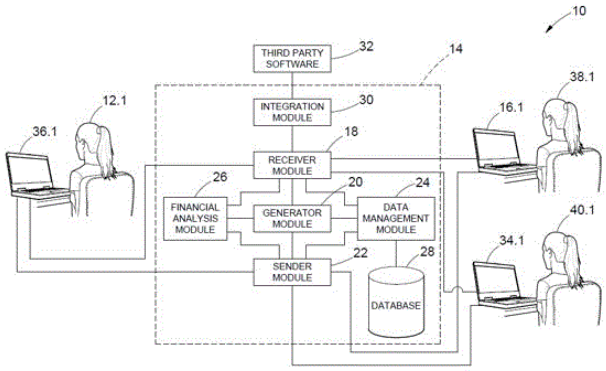


21: 2023/05955. 22: 2023/06/05. 43: 2024/01/10
51: A01G

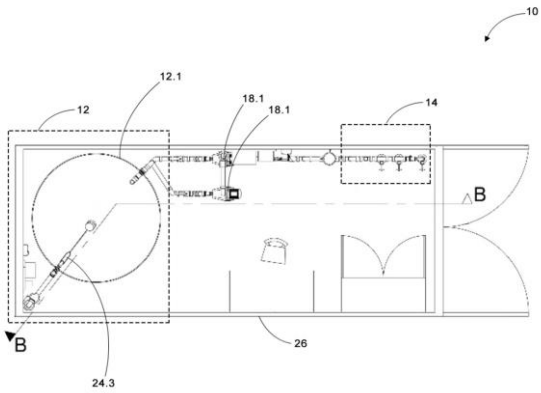
71: GEORGES MANDRAFINA
72: MANDRAFINA, Georges
33: FR 31: 2011704 32: 2020-11-16
33: FR 31: 2011705 32: 2020-11-16
54: COUPLED MULTI-PURPOSE DEVICE, FOR THE RUNNING INSTALLATION OF VINEYARD ACCESSORIES, IN PARTICULAR STAKES
00: -
A multi-purpose device for the running installation of vineyard accessories, in particular stakes/markers, comprising a frame (10) mounted on wheels (10-2G, 10-2D) and intended to be coupled to traction means, following a direction of travel F, characterised in that it comprises driving-in means (12) with a twin hammer (24), one for the stakes and one for the markers.



21: 2023/05982. 22: 2023/06/06. 43: 2024/01/10
51: G06F
71: DU PLESSIS, Dieter
72: DU PLESSIS, Dieter
54: A QUANTITY SURVEYING DATA MANAGEMENT SYSTEM
00: -
The system 10 comprises a first interface device 12.1 such as a computer, a smart device, or other similar electronic devices. The system 10 further comprises a backend 14 and a second interface device 16.1. The backend 14 comprises a receiver module 18, a generator module 20, a sender module 22, a data management module 24, a financial analysis module 26, a database 28 and an integration module 30.



21: 2023/05989. 22: 2023/06/06. 43: 2024/01/10
51: C02F
71: COUNCIL FOR GEOSCIENCE
72: NHLEKO, Olivia Lebogang Cathy, NOVHE, Obed Ntshengedzeni
54: REDOX BY IN-SITU OZONATION
00: -
The invention relates to an in-situ groundwater treatment system which includes a groundwater extraction arrangement connectable to a first (production) borehole for withdrawing water from the first (production) borehole, in use, and a groundwater re-introduction arrangement connected downstream of the groundwater extraction arrangement, the groundwater re-introduction arrangement connectable to at least one secondary injection borehole to be treated for reintroducing water to the at least one secondary injection borehole, in use. Furthermore, an ozone generator is provided having an ozone output that is connectable to the groundwater re-introduction arrangement for introducing ozone rich water into the at least one secondary injection borehole.



21: 2023/06055. 22: 2023/06/07. 43: 2024/01/11

51: C04B; B33Y
71: IMERTECH
72: EL HOUSSEINI, Sarra, BENEVENUTI, Barbara, FRYDA, Hervé, LOTHENBACH SCHMID, Barbara Elisabeth, SCRIVENER, Karen
33: EP 31: 20306515.6 32: 2020-12-08
33: EP 31: 21306126.0 32: 2021-08-18
54: HYDRAULIC BINDER WITH LOW CARBON FOOTPRINT AND HIGH EARLY STRENGTH
00: -
The present invention concerns a novel hydraulic binder with a low CO2 footprint, having a low milled cement clinker content, and exhibiting a higher early strength than existing LC3 type or other SCM containing binders.

21: 2023/06084. 22: 2023/06/08. 43: 2024/01/10
51: A63B
71: CONRADIE FAMILY TRUST
72: CONRADIE, Philippus Möller, CONRADIE, Mila, VAN RENSSEN, Gerrit, JOUBERT, Schalk Willem
54: A GOLF CLUB HEAD CLEANER
00: -
A golf club head cleaner comprising: a container with a closed bottom, an open top and a pair of opposed sidewalls connected by end walls; wherein each sidewall includes a brush that extends across a major part of its inner surface so that the two brushes face each other within the container; and wherein the closed bottom is angled relative to one end wall at an obtuse angle to accommodate a golf club head. The golf club head cleaner includes an attachment means for attaching the cleaner to a golf club carrier at a defined orientation.

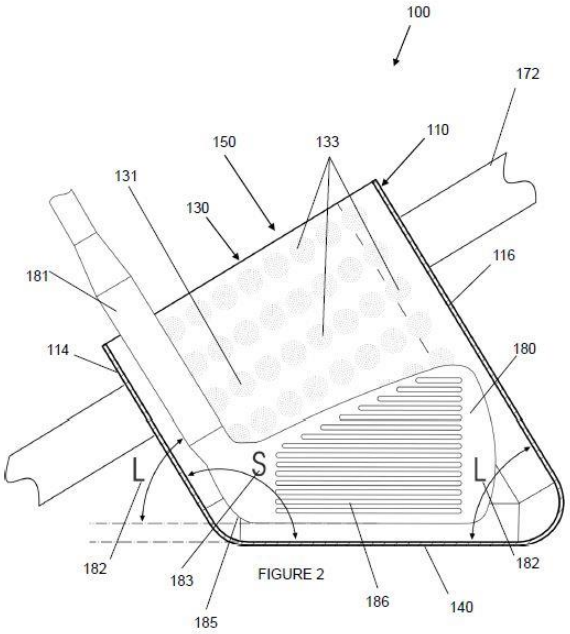
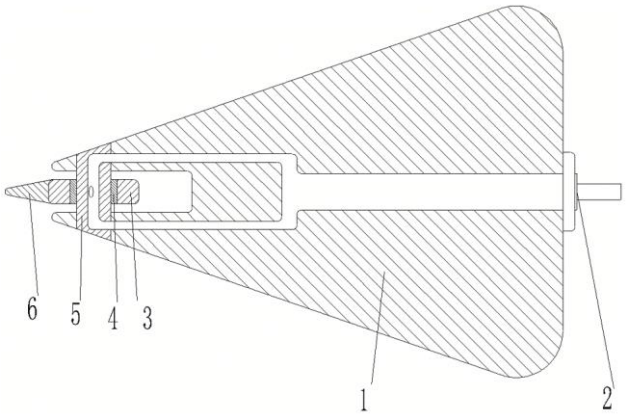


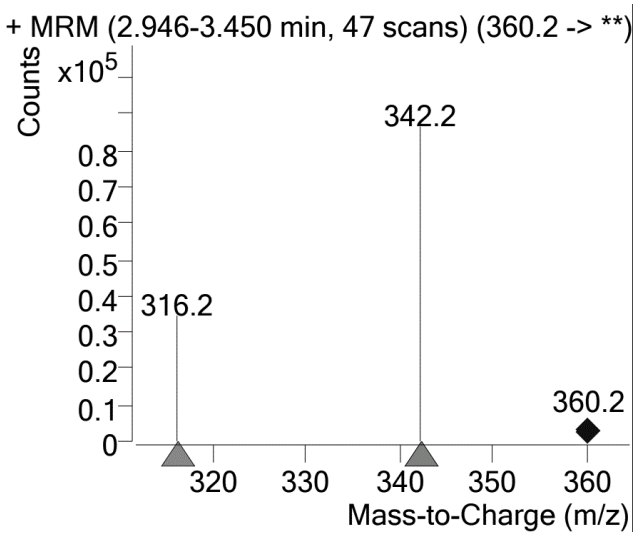
FIGURE 2

21: 2023/06119. 22: 2023/06/09. 43: 2024/02/14
51: C08L
71: Wenzhou Xintai New Materials Stock Co, LTD.
72: Chen Nianfu, Jiang Ronghua, Fang Xuewu, Wei Xin, Huang Shaoyan
54: HEAT-CONDUCTING HALOGEN-FREE FLAME-RETARDANT INSULATING POLYPROPYLENE FILM AND PREPARATION METHOD THEREOF
00: -
The invention discloses a heat-conducting halogen-free flame-retardant insulating polypropylene film and a preparation method thereof, and the heat-conducting halogen-free flame-retardant insulating polypropylene film includes the following raw materials: polypropylene, heat-conducting filler, antioxidant, silane coupling agent, flame retardant and toughening agent. For the heat-conducting halogen-free flame-retardant insulating polypropylene film provided by the invention, it has good heat-conducting effect under the action of heat-conducting filler; it has good insulating property because all the raw materials used are insulating; it has excellent flame-retardant effect and meets the development needs of environmentally-friendly flame retardant in today's society because the flame retardant used is phosphorus-and silicon-containing, bifunctional and halogen-free. Besides, the flame retardant, a polymer with a certain polymerization degree, has good compatibility with the polymer

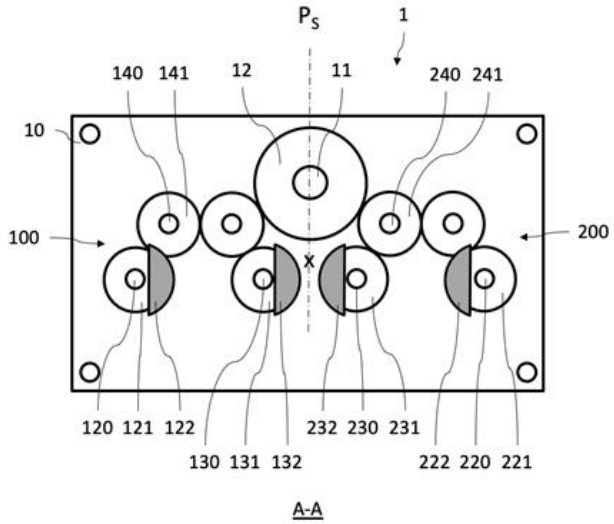
base material and is not easy to migrate and exude from the base material, so that the flame retardant can be dispersed more evenly in the base material, and thus exert better flame-retardant effect; it not only has flame-retardant effect, but also is a filler, so that the processability and mechanical property of film can be improved.



21: 2023/06120. 22: 2023/06/09. 43: 2024/02/14
51: G01N
71: Gansu Agricultural University
72: Song Chen, ZhangYong, Xue Huiwen, Gou Huitian, Wei Yanquan
33: CN 31: 2022116775457 32: 2022-12-26
54: METHOD FOR SIMULTANEOUSLY DETERMINING SIX DRUG RESIDUES IN BEEF AND MUTTON BY HIGH EFFICIENCY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY
00: -
The invention discloses a method for simultaneously determining six drug residues in beef and mutton by high efficiency liquid chromatography-tandem mass spectrometry. The residues of enrofloxacin, ciprofloxacin, ofloxacin, gentamicin, tilmicosin and tylosin in the muscle, liver and kidney tissues of cattle and sheep can be detected by this method, and n-hexane is extracted with McIlvaine-Na2EDTA and 0.1vt percent formic acid acetonitrile solution to remove fat; the supernatant is purified by HLB solid phase extraction column, eluted with 0.1vt percent formic acid methanol and 0.1vt percent formic acid water, concentrated, redissolved with mobile phase, and detected by high efficiency liquid chromatography-tandem mass spectrometry, quantified by external standard method with blank sample matrix, and simultaneously determined six drug residues, which is efficient and accurate.



21: 2023/06173. 22: 2023/06/12. 43: 2024/01/11
51: F16H
71: GRANGER
72: GRANGER, Maurice
33: FR 31: 2206237 32: 2022-06-23
54: VERSATILE SYSTEM EQUIPPED WITH A PAIR OF MECHANISMS WITH ECCENTRIC ELEMENTS CAPABLE OF MOVING IN ROTATION
00: -
The invention relates to a system comprising in particular two mechanisms each comprising a first support shaft equipped with a toothed wheel and with an element that is eccentric relative to the axis of rotation of the support shaft, and a second support shaft equipped with a toothed wheel and with an element that is eccentric relative to the axis of rotation of the support shaft. According to the invention, the eccentric elements of at least one mechanism are disposed at least partially in a plane of rotation perpendicular to the associated support shafts and, when the system is in operation, positions of the eccentric elements of one mechanism are constantly diametrically opposed to positions of the eccentric elements of the other mechanism.



A-A

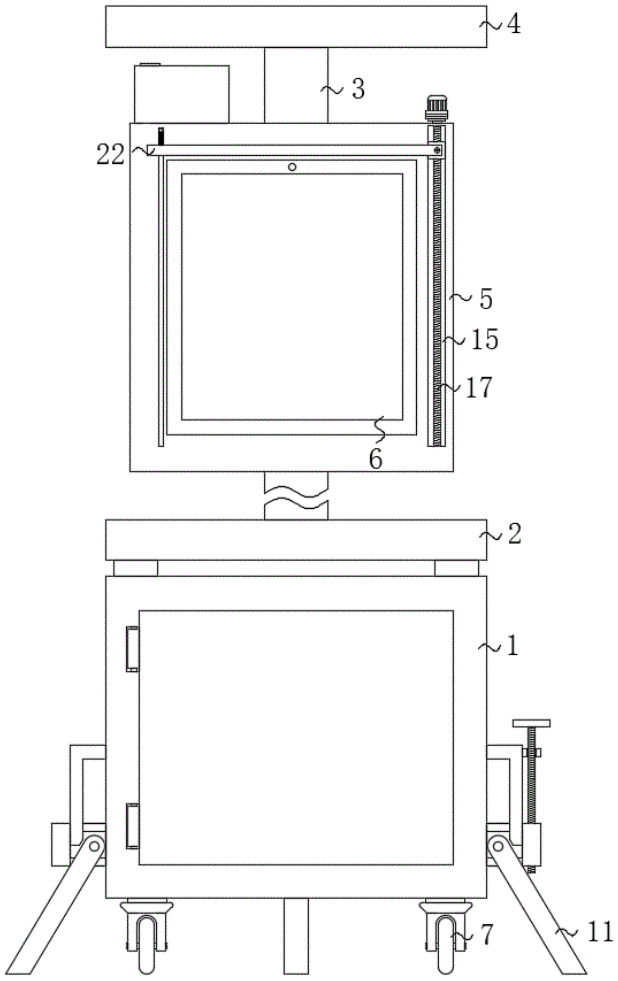
21: 2023/06190. 22: 2023/06/12. 43: 2024/01/11
51: A61K; C07D; A61P
71: TAIGEN BIOTECHNOLOGY CO., LTD., TAIGEN BIOPHARMACEUTICALS CO. (BEIJING), LTD.
72: YEN, Chi-Feng, TIEN, Fang-Wei
33: US 31: 63/131,886 32: 2020-12-30
54: AMORPHOUS SOLID DISPERSION FORMULATION
00: -
Provided is an amorphous solid dispersion containing a Cap-dependent endonuclease inhibitor or a pharmaceutically acceptable salt thereof for oral administration, wherein the Cap-dependent endonuclease inhibitor or a pharmaceutically acceptable salt thereof is dispersed in a matrix formed from the pharmaceutically acceptable polymer. Further disclosed are methods for preparing a above amorphous solid dispersion and a use thereof for treating virus infection and a pharmaceutical composition containing same.

21: 2023/06226. 22: 2023/06/13. 43: 2024/01/11
51: C07D
71: KUMIAI CHEMICAL INDUSTRY CO., LTD
72: TANI, Shinki, SHIKAMA, Daisuke, TAKIZAWA, Kai
33: JP 31: PCT/JP2020/048082 32: 2020-12-23
54: SULFONE DERIVATIVE PRODUCTION METHOD
00: -
The present invention provides an industrially desirable production method for a sulfone derivative that is useful as a herbicide, and an intermediate thereof.

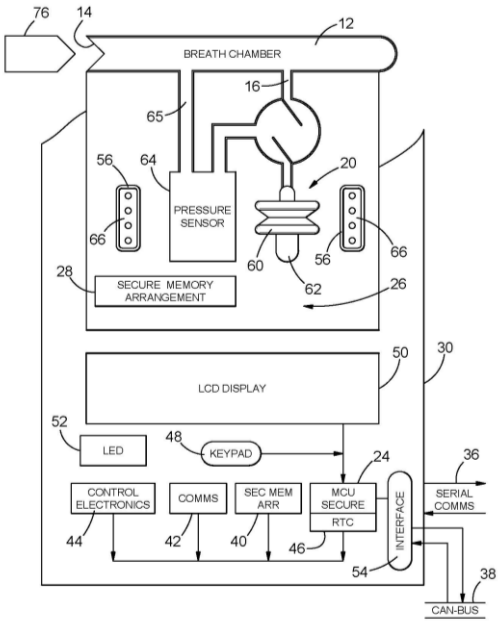
21: 2023/06279. 22: 2023/06/15. 43: 2024/01/04
51: A61K; A61P
71: ACACIA PHARMA LIMITED
72: GILBERT, Julian Clive, GRISTWOOD, Robert William, FOX, Gabriel
33: GB 31: 1618425.1 32: 2016-11-01
54: THERAPY OF POST-OPERATIVE EMESIS WITH AMISULPRIDE
00: -
Amisulpride is useful in the therapy (particularly the prevention) of postoperative emesis in a patient, particularly wherein the patient is undergoing a surgical procedure where postoperative emesis would be potentially dangerous to the patient.

21: 2023/06284. 22: 2023/06/15. 43: 2024/01/15
51: F16M
71: Xinyu University
72: Liu Kai, Feng Daoming, Pan Cheng, Huang Yulong
33: CN 31: 2022111653595 32: 2022-09-23
54: INTELLIGENT LOGISTICS INFORMATION QUERY EQUIPMENT
00: -
The invention discloses an intelligent logistics information query equipment, and the intelligent logistics information query equipment includes an intelligent logistics information query equipment body consisting of equipment box, placing plate, connecting plate, top plate, mounting plate and touch display screen. A plurality of traveling wheels are mounted at the bottom of the equipment box; the side wall of the equipment box is provided with supporting pieces abutting against the ground, wherein the supporting pieces prevent the intelligent logistics information query equipment body from moving and toppling; the mounting plate is fixedly connected to the connecting plate and the touch display screen is mounted on the front side wall of the mounting plate. The structure design of the intelligent logistics information query equipment is reasonable, specifically, the structure design can ensure the stability of the intelligent logistics information query equipment in the use process, prevent the intelligent logistics information query equipment from being moved and toppled by collision, and also can automatically disinfect and clean the touch display screen when users make a

query, so as to be convenient for the users to operate and check, and to ensure the users' health.



21: 2023/06291. 22: 2023/06/15. 43: 2024/01/15
51: A61B
71: BREATHABLOK LIMITED
72: SULLIVAN, Alan, John
33: NL 31: 2027159 32: 2020-12-18
54: REPLACEABLE CARTRIDGE FOR BREATHALYZER
00: -
ABSTRACT A breathalyser comprises a breath chamber 12 defining an inlet 14 for a breath sample and an outlet 16. A sensor 18 for an intoxicating substance is in fluid flow communication with the outlet 16. The sensor comprises an output for an electronic signal representative of a concentration of the intoxicating substance in the sample. A pump 20 moves the sample via the outlet 16 to the sensor 18. First electronic circuitry 22 comprises a controller 24 comprising a processor for processing the signal and to generate data relating to the concentration of the intoxicating substance. Second electronic circuitry 26 comprises a memory arrangement 28 which is in signal communication with the first electronic circuitry and stores the generated data. The first electronic circuitry 22 is permanently mounted in a main housing 30 of the breathalyser. At least the sensor 18 and the second electronic circuitry 26 form part of a cartridge 32.2 which is removably mountable on the main housing 30. The second electronic circuitry 26 is removably connectable to the first electronic circuitry 22. Figure 8



21: 2023/06329. 22: 2023/06/19. 43: 2024/01/09
51: E02D
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU
72: ZONG, Luchao, HAN, Xuling, LIU, Zisong, ZHANG, Aiming, CHEN, Feixiang, LIU, Gang, LI, Hongyang, CHANG, Yuehui
33: CN 31: 202310559976.1 32: 2023-05-18
54: COMPREHENSIVE CONSTRUCTION METHOD FOR PRECAST SLAB FORMWORK SINKING IN LOCAL DEEP PIT AT BOTTOM OF FLOODPLAIN DEEP FOUNDATION PIT
00: -
The invention discloses a comprehensive construction method for a precast slab formwork sinking in a local deep pit at a bottom of a floodplain

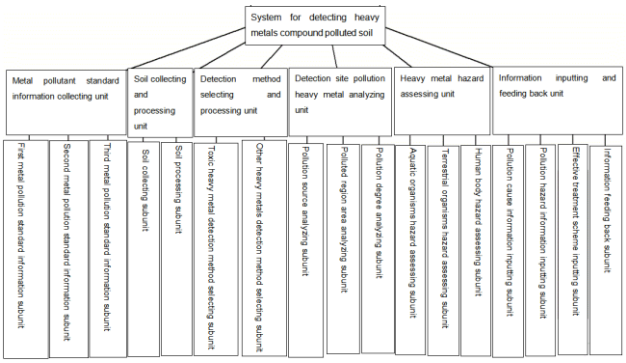
deep foundation pit. The pit-in-pit construction is carried out together with the excavation of rafts. Upon detailed design of the project, the pit-in-pit formwork sinking construction technology is adopted, and the pit-in-pit is thrown off first. The construction of large rafts is carried out first, ensuring the nodes of the raft construction and the construction safety of the pit-in-pit structure, and saving time and cost. Not only does it greatly improve the construction efficiency, but also the process steps are extremely simple, allowing for formwork sinking on the ground, and making it more reliable compared to underground formwork sinking construction. In-situ construction of the project can also save the construction space, make the distribution of working faces more scientific, ensure the nodes of the raft construction, ensure the safety of pit-in-pit structures, and meet the standards and requirements of energy-saving and green construction. The promotion and application of pit-in-pit formwork sinking construction technology has optimistic economic and social benefits, and improves the overall construction quality during the construction process.

21: 2023/06379. 22: 2023/06/20. 43: 2024/01/23
51: G01N
71: Institute of Geochemistry, Chinese Academy of Sciences
72: ChengJianZhong, GaoWeiChang, ChenYi, LiHuan, HuWei, ZhangTongKun
33: CN 31: 2022115374613 32: 2022-12-01

54: SYSTEM FOR DETECTING HEAVY METALS COMPOUND POLLUTED SOIL AND METHOD THEREOF

00: -

The invention relates to the technical field of soil detection, in particular to a system for detecting heavy metals compound polluted soil and a method thereof. The system comprises a metal pollutant standard information collecting unit, a soil collecting and processing unit, a detection method selecting and processing unit, a detection site pollution heavy metal analyzing unit, a heavy metal hazard assessing unit and an information inputting and feeding back unit; the metal pollutant standard information collecting unit is used to know the main elements of soil metal pollution and collect the pollution emission standards of various heavy metal elements through the network. According to the invention, different suitable detection methods are adopted for different elements in the soil to be detected, so that the content of heavy metals can be detected efficiently and accurately, pollution indicators of metal elements in different regions are collected in the early stage, and effective basis is achieved for whether the content of metal elements constitutes pollution in the subsequent period. At the same time, the detected content of heavy metals is further evaluated and judged according to the detection site, thus providing an effective treatment basis and scheme for the subsequent soil heavy metal treatment.



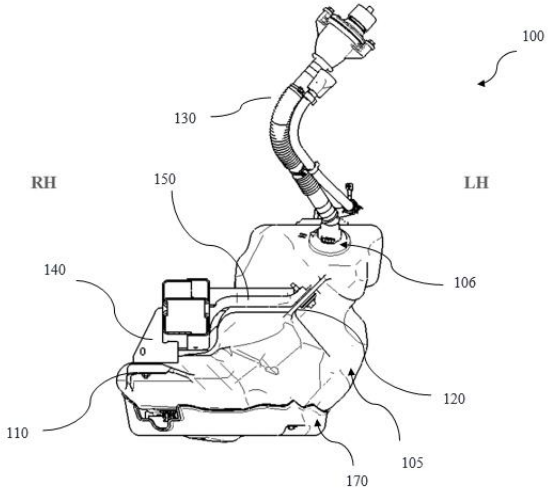
21: 2023/06384. 22: 2023/06/20. 43: 2024/01/17
51: F01N
71: MAHINDRA & MAHINDRA LIMITED
72: PRASAD, Abhinav, NEERUKONDA, Srikanth, LINGALA, Vivek, RAIBAGKAR, Hemant, VENKATRAMAN, Yogaraja
33: IN 31: 202241035615 32: 2022-06-21

54: A DIESEL EXHAUST FLUID TANK ASSEMBLY

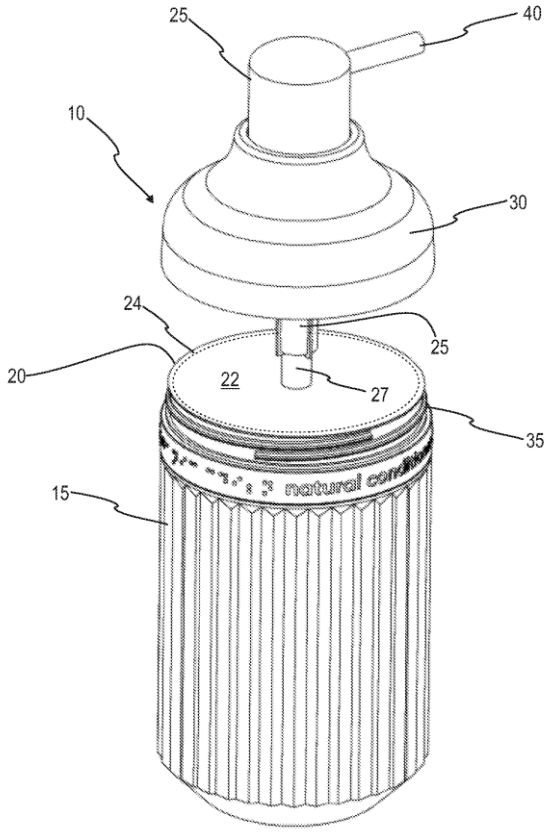
00: -

The present invention discloses a diesel exhaust fluid (DEF) tank assembly coupled to a mounting structure of the body-on-frame vehicle, comprising a tank shell body mounted outwardly, extending beyond ladder frame structure of the vehicle ensuring an increased storage capacity of the diesel exhaust fluid (DEF) storage tank. The tank shell body has a plurality of parallel recessed zones with parallel inclined mounting surfaces and a plurality of parallel horizontal mounting surfaces. The mounting structure welded on frame has a plurality of cantilever mounting brackets mating with inclined mounting surfaces of the tank shell body and a

plurality of horizontal mounting brackets mating with horizontal mounting surfaces of the tank shell body.

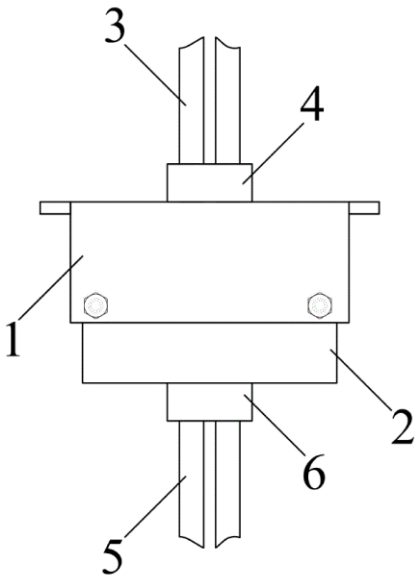


21: 2023/06408. 22: 2023/06/20. 43: 2024/01/17
51: A47K; B65D
71: CIRCULR RESEARCH PTY LTD
72: WELLS, Joel
33: AU 31: 2020904859 32: 2020-12-28
54: VESSEL AND SYSTEM FOR REDUCING PACKAGING WASTE
00: -
The invention relates to a system for holding and dispensing a movable substance such as a personal care products. The system includes a thin-walled vessel for holding the substance having a support formed about an upper end thereof and a deformable lateral wall. Further included is a vessel housing having an upwardly facing opening and a dispenser to convey the substance from the vessel. A dispenser retainer engages the housing and retains the dispenser within the vessel interior. The vessel housing or the dispenser is configured to contact the support so as avoid or lessen deformation of the lateral wall upon actuation of the dispenser.

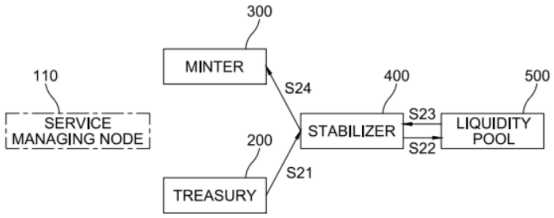


21: 2023/06412. 22: 2023/06/21. 43: 2024/01/09
51: H01R
71: Chongqing Vocational Institute of Engineering
72: Minghui, Ou, Li, Wang
33: CN 31: 2023105028074 32: 2023-05-06
54: CONNECTOR STRUCTURE FOR AUTOMOTIVE SENSOR
00: -
The disclosure provides a connector structure for an automobile sensor, comprising a connecting assembly, a connector assembly, a first connecting wire, a first protective sleeve, a second connecting wire, and a second protective sleeve; the fixing bolt and the fixing groove are arranged, one end of the joint plate is clamped in the connecting sleeve, the fixing bolt is rotated to enable the tail end of the fixing bolt to go deep into the fixing groove, the connection firmness of the joint plate and the connecting sleeve is improved through the fixing bolt and the fixing groove, stable connection of the joint plate and the connecting sleeve is guaranteed, the phenomenon that the joint plate is loosened during use is avoided, and the use effect of the connector

structure is improved.; when one end of the connector plate is inserted into the connecting sleeve, the positioning plate and the positioning groove play a role in guiding and positioning the connector plate, thereby ensuring accurate butt joint of the connector plate and the connecting sleeve, and enabling the connecting column to enter the connecting groove, thereby ensuring the assembly efficiency of the connector structure.

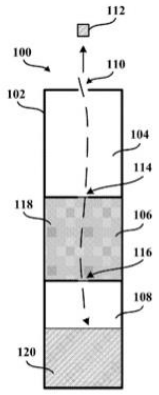


21: 2023/06414. 22: 2023/06/21. 43: 2024/01/17
51: H04L; G06Q
71: WEMADE CO., LTD.
72: SONG, Moheon
33: KR 31: 10-2022-0124750 32: 2022-09-29
54: METHOD FOR PROVIDING STABLECOIN SERVICES OVER THE BLOCKCHAIN NETWORK AND BLOCKCHAIN SYSTEM USING THE SAME
00: -
A method for providing stablecoin services over the blockchain network is provided. The method includes steps of: (a) issuing n*m second-type stablecoins to thereby supply them to liquidity pool; and (b) instructing stabilizer to withdraw j first-type stablecoins from treasury electronic wallet to stabilizer electronic wallet, exchange the withdrawn j first-type stablecoins for j*i second-type stablecoins according to exchange ratio i, and burn the j*m second-type stablecoins, or issue k second-type stablecoins to the stabilizer electronic wallet through minter, and exchange the issued k second-type stablecoins for k/i first-type stablecoins according to exchange ratio i, and to stake j*i-m second-type stablecoins to the stabilizer electronic wallet, or deposit k/i first-type stablecoins into the treasury electronic wallet, issue k*1/i-1/m*m second-type stablecoins to the stabilizer electronic wallet through the minter, stake the issued k*1/i-1/m*m second-type stablecoins to the stabilizer electronic wallet.



21: 2023/06433. 22: 2023/06/21. 43: 2024/01/17
51: G01N
71: SHUWEN BIOTECH CO., LTD
72: LI, Xingmin
33: CN 31: 202011315496.3 32: 2020-11-21
33: CN 31: 202111346532.7 32: 2021-11-15
54: APPARATUS AND METHOD FOR DETECTING MISFOLDED PROTEIN IN BIOLOGICAL SAMPLE
00: -
An apparatus and method for detecting a misfolded protein in a biological sample. The method comprises: (a) providing a biological sample; (b) mixing the biological sample with a detection reagent, the detection reagent being capable of binding to a misfolded protein; (c) enabling the biological sample mixed with the detection reagent to come into contact with and pass through a separation matrix, the separation matrix being constructed to adsorb the detection reagent that does not bind to the misfolded protein and to allow passage of the detection reagent binding to the misfolded protein; (d) collecting, in a free liquid state, the biological sample passing through the separation matrix; and (e) detecting the presence of the detection reagent in the collected biological sample in the free liquid state, wherein the presence of the detection reagent indicates the presence of a misfolded protein in the biological sample. The apparatus and method can be used for diagnosing and predicting diseases characterized by a misfolded protein, e.g. can be used for diagnosing whether a pregnant woman suffers from

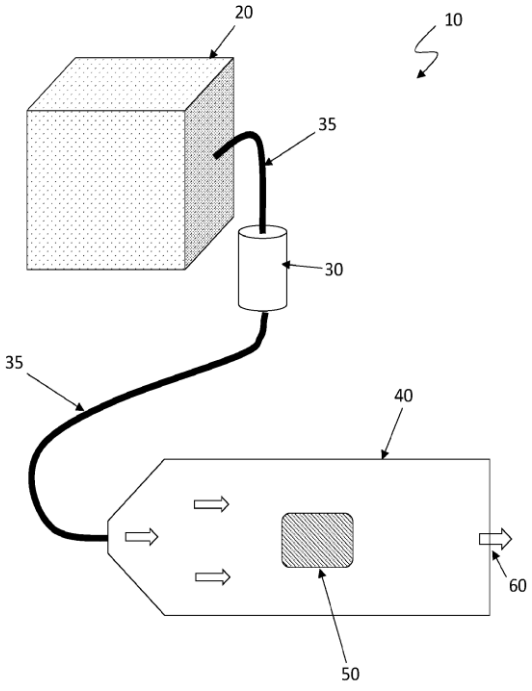
preeclampsia or is at risk of suffering from preeclampsia.



21: 2023/06442. 22: 2023/06/21. 43: 2024/01/17
51: A61K; A61P
71: HANYI BIOTECHNOLOGY (BEIJING) CO., LTD
72: TAN, Xin, WANG, Shubin, FAN, Dekai
33: CN 31: 202011596414.7 32: 2020-12-29
54: WATER-SOLUBLE CANNABINOID FORMULATION AND PREPARATION METHOD THEREFOR
00: -
Disclosed are a water-soluble cannabinoid formulation and a preparation method therefor. The water-soluble cannabinoid formulation comprises a cannabinoid, an amphiphilic high-molecular polymer and cyclodextrin, wherein the content of the cannabinoid in percentages by weight is 1-40%, the content of the amphiphilic high-molecular polymer in percentages by weight is 1-90%, and the content of the cyclodextrin in percentages by weight is 1-90%; and the preparation method comprises: (1) preparing a water-soluble composite solution from a cannabinoid, an amphiphilic high-molecular polymer and cyclodextrin; (2) drying the water-soluble composite solution obtained in step (1) to obtain water-soluble cannabinoid solid particles; and (3) preparing the cannabinoid solid particles obtained in step (2) into a water-soluble cannabinoid formulation. The water-soluble cannabinoid formulation has a high drug loading capacity, a low water consumption during preparation, a strong stability, a simple process, a low cost and a short inclusion time.

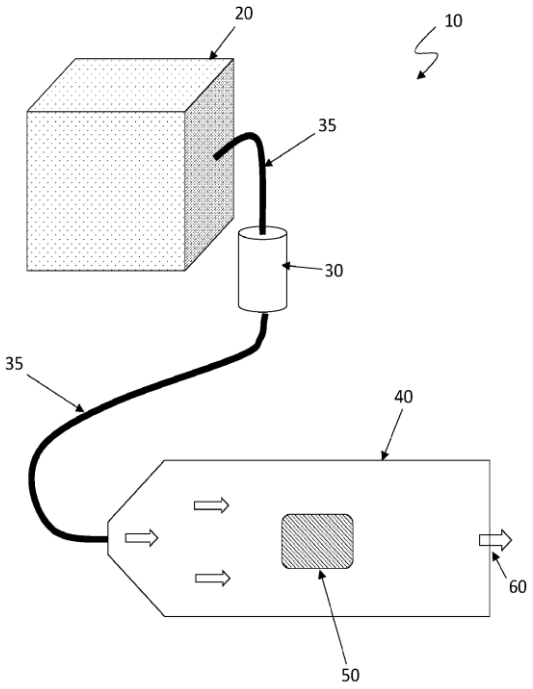
[NO PUBLICATION FIGURE]

21: 2023/06454. 22: 2023/06/21. 43: 2024/01/23
51: B01D
71: BIOFOULING TECHNOLOGIES, INC.
72: MCMURRAY, Brian, SHARPE, Cliff, TERMINI, Mike, RALSTON, Emily, STEPHENS, Abraham, KASTER, Jerry, CALCUTT, Lindsey
33: US 31: 63/020826 32: 2020-05-06
33: IB 31: PCT/US2019/059546 32: 2019-11-01
33: IB 31: PCT/US2020/022782 32: 2020-03-13
54: BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS
00: -
Disclosed are devices, methods and/or systems for use in protecting items and/or structures that are exposed to, submerged and/or partially submerged in aquatic environments from contamination and/or fouling due to the incursion and/or colonization by specific types and/or kinds of biologic organisms and/or plants, including the protection from micro- and/or macro-fouling for extended periods of time of exposure to aquatic environments.



21: 2023/06455. 22: 2023/06/21. 43: 2024/01/23
51: B01D
71: BIOFOULING TECHNOLOGIES, INC.

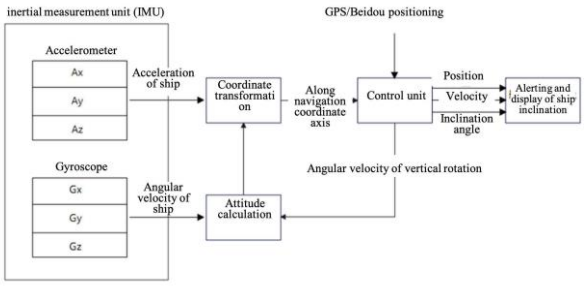
72: MCMURRAY, Brian, SHARPE, Cliff, TERMINI, Mike, RALSTON, Emily, STEPHENS, Abraham, KASTER, Jerry, CALCUTT, Lindsey
33: US 31: 63/020,826 32: 2020-05-06
33: IB 31: PCT/US2019/059546 32: 2019-11-01
33: IB 31: PCT/US2020/022782 32: 2020-03-13
54: BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS
00: -
Disclosed are devices, methods and/or systems for use in protecting items and/or structures that are exposed to, submerged and/or partially submerged in aquatic environments from contamination and/or fouling due to the incursion and/or colonization by specific types and/or kinds of biologic organisms and/or plants, including the protection from micro- and/or macro-fouling for extended periods of time of exposure to aquatic environments.



21: 2023/06514. 22: 2023/06/23. 43: 2024/01/17
51: A61K; A61P
71: ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY
72: CONN, Charlotte Elizabeth, STRACHAN, Jamie
33: AU 31: 2020904426 32: 2020-11-30
33: AU 31: 2021900348 32: 2021-02-12
54: ORAL THERAPEUTIC DELIVERY
00: -
A dosage form for oral delivery of a therapeutic agent to a subject, the dosage form comprising: (i) a lipid nanocarrier formulation, the lipid nanocarrier formulation comprising the therapeutic agent, and lipids in the form of a mesophase; and (ii) an enteric coating encapsulating the lipid nanocarrier formulation.

21: 2023/06515. 22: 2023/06/23. 43: 2024/01/17
51: A61K; A61P
71: CIPLA LIMITED
72: CHITRE, Trupti, MARATHE, Vinayak
33: IN 31: 202021054667 32: 2020-12-16
54: TOPICAL COMPOSITION OF PIRFENIDONE
00: -
The present invention relates to a topical composition comprising pirfenidone and process to prepare the same. The present invention also relates to use of the topical composition comprising pirfenidone in the treatment of skin disorders of the dermis of fibrous or inflammatory origin.

21: 2023/06557. 22: 2023/06/26. 43: 2024/01/18
51: G01C
71: Zhejiang International Maritime College
72: Wang Yibing, Han Zhihao, Yu Lei
54: A DIGITAL SHIP INCLINOMETER BASED ON INERTIAL NAVIGATION
00: -
A digital marine inclinometer based on inertial navigation, which mainly comprises: multiple inertial navigation technologies, such as an inertial measurement unit (IMU), an inertial navigation system (INS), and a positioning system (GPS/Beidou); a hardware system with good reliability and maintainability, which is designed by researching and developing hardware implementation of the marine inclinometer; and a software system for the marine inclinometer, which is designed based on a Kalman filter, a support vector machine (SVM) and other algorithms. The present invention uses the multiple inertial navigation technologies, such as the IMU, the INS, and the GPS/Beidou, as well as related data processing technologies, such as the Kalman filter and the SVM, to improve the precision and accuracy of ship attitude. measurement.

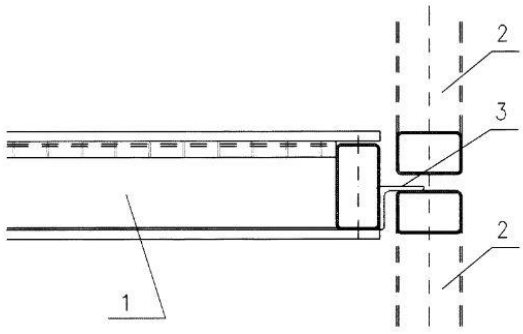


21: 2023/06577. 22: 2023/06/26. 43: 2024/01/18
51: E04B; E04C; E04H
71: "RUSAPS" LIMITED LIABILITY COMPANY
72: SHENDER, Dmitrii Aleksandrovich, SHENDER, Aleksandr Grigorievich, PUGACHEV, Aleksei Vladimirovich, AJZENVARG, Boris Semenovich, BOGACHEVA, Elizaveta Andreevna, SEMENOV, Aleksandr Anatol'evich, DANILKOV, Stanislav Aleksandrovich
33: RU 31: 2020139034 32: 2020-11-27

54: SYSTEM OF ELEMENTS FOR CONSTRUCTION OF BUILDING

00: -

SUBSTANCE: inventions group relates to construction, more specifically to a system of elements for the construction of buildings. The system of elements for the construction of a building contains a set of load-bearing panels: floors, roof panels and wall panels. Floor panels contain two layers of a lith board and a frame of a metal profile located between them, framing a steel grating with the formation of a cellular structure. The roof panel contains a layer of waterproofing, an thermal insulation layer, a layer of a lith board, a frame made of a metal profile, framing a steel grating with the formation of a cellular structure, and a second layer of a lith board. The wall panel contains a layer of mineral insulation, a layer of a lith board, a frame made of a metal profile and a second layer of a lith board. EFFECT: invention increases the resistibility and rigidity of the building.



21: 2023/06593. 22: 2023/06/27. 43: 2024/01/18
51: F16K; G21C
71: JOINT-STOCK COMPANY "ATOMENERGOPROEKT", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
72: SIDOROV, Aleksandr Stalevich, SIDOROVA, Nadezhda Vasilievna, CHIKAN, Kristin Aleksandrovich, NEDOREZOV, Andrej Borisovich
33: RU 31: 2020143782 32: 2020-12-29

54: WATER SUPPLY VALVE

00: -

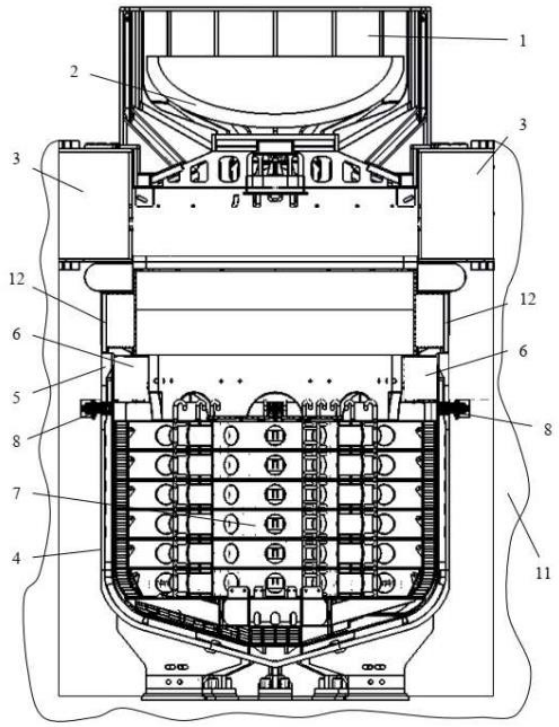
A water supply valve comprises an actuating sleeve inserted in an intermediate sleeve and bearing on said intermediate sleeve by means of flanged stops, an actuating rod with a piston, said actuating rod being mounted inside the actuating sleeve and the intermediate sleeve so that the actuating rod bears, via the piston, on a thermomechanical element which bears, via a pressure mechanism, on a protective membrane fastened in the end of the actuating sleeve, an actuating spring mounted on the actuating rod so that one end of the spring bears on the piston and the other end bears on the flanged stops of the actuating sleeve, a rolling bearing mounted on the end of the actuating rod which projects from the actuating sleeve, a flanged cylinder in which is inserted a flanged sleeve with a rod-type sleeve mounted therein, the latter receiving a stem with a thread and with a control valve, said stem being rollably mounted, and a thrust sleeve in which are mounted a flanged thrust rod and a working spring, one end of which bears on the flanges of the thrust rod and the other end of which bears on the thrust sleeve, wherein mounted between the control valve and the thrust rod is a ball bearing.

21: 2023/06595. 22: 2023/06/27. 43: 2024/01/18
51: G21C
71: JOINT-STOCK COMPANY "ATOMENERGOPROEKT", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
72: SIDOROV, Aleksandr Stalevich, SIDOROVA, Nadezhda Vasilievna, CHIKAN, Kristin Aleksandrovich, BADESHKO, Kseniya Konstantinovna
33: RU 31: 2020143777 32: 2020-12-29

54: SYSTEM FOR CONFINING AND COOLING MELT FROM THE CORE OF A NUCLEAR REACTOR

00: -

The invention relates to systems which provide for the safety of nuclear power plants, and can be used in the event of accidents leading to the destruction of the pressure vessel and sealed containment structure of a reactor. A system for confining and cooling melt from the core of a nuclear reactor comprises a guide device, a cantilever truss, a filler for receiving and distributing melt, said filler being disposed in a housing having water supply valves mounted around its perimeter and having a flange with a thermal shield mounted thereon, a drum mounted on the flange of said housing and being configured in the form of a casing with reinforcing ribs mounted around its perimeter on the inner side, said reinforcing ribs bearing against a cover and a bottom, wherein said drum has tensioning elements connecting the drum, via a support flange welded thereto, to the flange of the housing, and spacing elements. Provided in the drum are nozzles having water supply valves mounted therein with sealed covers, and hydraulic dampers connected to external sources of water and to the water supply valves by feed pipes, pressure pipes, compensating pipes and equalizing pipes, for increasing the reliability of the system for confining and cooling melt from the core of a nuclear reactor.



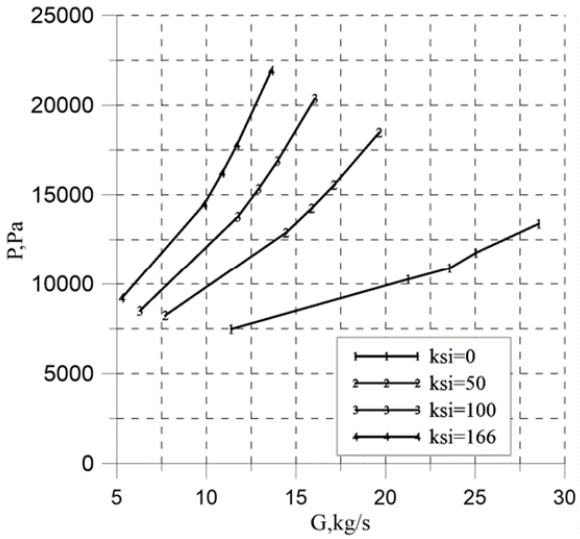
21: 2023/06597. 22: 2023/06/27. 43: 2024/01/18
51: G06F; G21C
71: JOINT-STOCK COMPANY "ATOMENERGOPROEKT", SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE
72: BEZLEPKIN, Vladimir Viktorovich, KREKTUNOV, Oleg Petrovich, KOLESNIK, Ilya Mikhailovich, IVANOVA, Marina Vladimirovna, IGNATIEV, Alexey Alexeyevich, SERGEEV, Alexandr Yuryevich
33: RU 31: 2020143962 32: 2020-12-30

54: METHOD AND DEVICE FOR MONITORING A PASSIVE HEAT REMOVAL SYSTEM

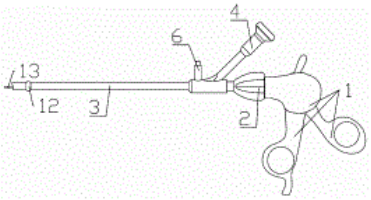
00: -

The invention relates to means for monitoring a system for the passive removal of heat from inside the containment of a pressurized water reactor. The claimed method includes examining the interior of individual sections of piping using visual inspection equipment; assessing additional fluid resistance in piping in an inaccessible section by analysing a forced circulation mode in a circulation loop; determining the proportion of blocked tubes from among the total number of tubes in a heat exchanger; and processing the data obtained in order to determine the state of the passive heat

removal system. The claimed device comprises at least one cooling water circulation loop, and further comprises a heating tank partially filled with water and having electrical heating elements; a drain line including a tank for receiving water drained from the system; and measuring means. The technical result is an increase in the operating safety of a nuclear power station.



21: 2023/06616. 22: 2023/06/27. 43: 2024/01/23
51: A61B
71: JI, Chengyong
72: JI, Chengyong
33: CN 31: 202022799576.2 32: 2020-11-28
54: INTEGRATED MULTIFUNCTIONAL ENDOSCOPIC APPARATUS
00: -
Disclosed is an integrated multifunctional endoscopic apparatus, comprising an operating handle, an operating forceps head direction button, and an endoscopic tube body, wherein the end of the endoscopic tube body is provided with a camera connector; the end of the camera connector extends into the endoscopic tube body; the end of the camera connector is provided with a camera plane mirror; the end of the endoscopic tube body is provided with a light source inlet joint; the end of the light source inlet joint extends into the endoscopic tube body; the end of the light source inlet joint is provided with a light source plane mirror; and the endoscopic tube body is provided with a camera channel, with one end of the channel extending to the camera connector, and the other end extending to an end portion of the other end of the endoscopic tube body.



21: 2023/06645. 22: 2023/06/28. 43: 2024/01/18
51: B29B; C08J; C10G
71: LUMMUS TECHNOLOGY LLC
72: PORTELA, Joaquim Antonio De Oliveira, MARRI, Rama Rao, GROTEN, Willibrord A.
33: US 31: 63/131,484 32: 2020-12-29
54: CATALYTIC CRACKING PROCESS FOR A TRUE CIRCULAR SOLUTION FOR CONVERTING PYROLYSIS OIL PRODUCED FROM RECYCLED WASTE PLASTIC INTO VIRGIN OLEFINS AND PETROCHEMICAL INTERMEDIATES
00: -
Processes and systems for producing raw materials and for producing truly circular polymers. The systems and processes may include processing a waste-derived hydrocarbon stream, such as a waste plastic pyrolysis oil, in a first reactor system with a catalyst mixture, and processing a fossil-based feedstock in a second reactor system with the catalyst mixture. The catalyst mixture may be supplied to each of the first and second reactor systems from a common catalyst regenerator. An effluent comprising fossil-based hydrocarbon products may be recovered from the second reactor system, and an effluent comprising waste- derived hydrocarbon products may be recovered from the first reactor system. Following separations, spent catalyst from each of the first and second reactor systems may be returned to the common catalyst regenerator.

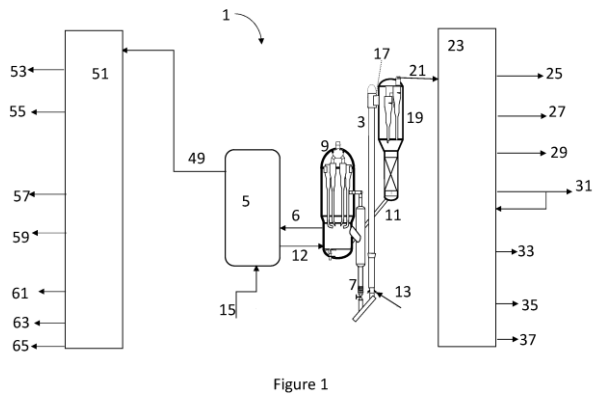
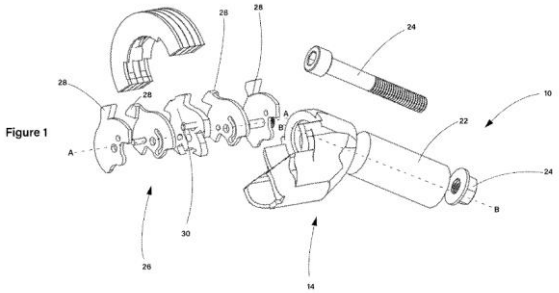


Figure 1

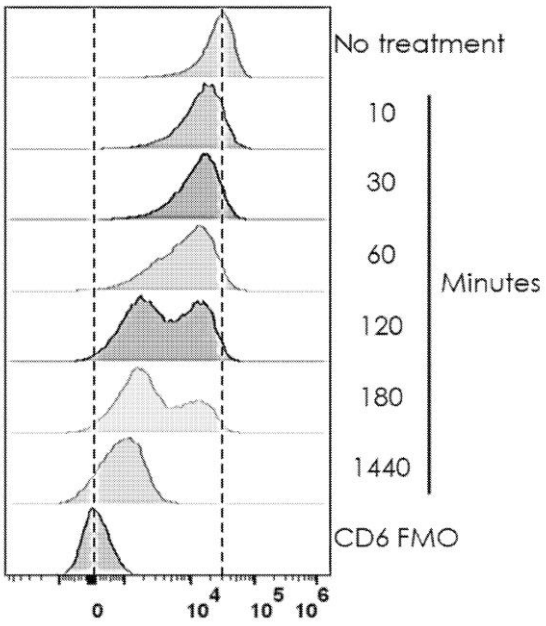
21: 2023/06650. 22: 2023/06/28. 43: 2024/01/18
51: C07K; C12N; C12P; C12R
71: NINGXIA EPPEN BIOTECH CO., LTD
72: SU, Houbo, WEI, Aiying, MENG, Gang, YANG, Lipeng, MA, Fengyong, JIA, Huiping, ZHOU, Xiaoqun, ZHAO, Chunguang
33: CN 31: 202011631311.X 32: 2020-12-30
54: STRAIN HAVING ENHANCED L-GLUTAMIC ACID PRODUCTIVITY, CONSTRUCTION METHOD THEREFOR AND APPLICATION THEREOF
00: -
Disclosed are strain having enhanced L-glutamic acid production capacity, and method for constructing the same and use thereof. A nucleotide sequence is provided by introducing a point mutation to a wild-type BBD29-00405 gene in Corynebacterium glutamicum so that the base at position 597 of SEQ ID NO: 1 is mutated from guanine (G) into adenine (A). Also provided is a recombinant strain obtained by introducing the polynucleotide sequence into L-glutamic acid-producing Corynebacterium glutamicum, the recombinant strain comprising a BBD29-00405 gene containing a point mutation. Compared with an unmodified strain, the resulting strain facilitates production of L-glutamic acid at a higher concentration.

21: 2023/06651. 22: 2023/06/28. 43: 2024/01/23
51: A42B; B62H; B62J; E05B
71: EVERITT-PENHALE, Haydn Clive
72: EVERITT-PENHALE, Haydn Clive
33: ZA 31: 2020/06896 32: 2020-11-05
54: HELMET LOCKING SYSTEM
00: -
A helmet locking system includes: (i) a helmet defining a cavity and a constriction at the mouth of the cavity; and (ii) a body that includes: (a) a resilient tubular member; (b) means for compressing the tubular member, in use, to cause the tubular member to expand radially; (c) a locking element that is movable between: an unlocked condition, in which the locking element is sized, shaped and oriented to be received into and removed from the cavity defined by the helmet, past the constriction; and a locked condition, in which the locking element is sized, shaped or oriented to be captured within the cavity defined by the helmet, oversized to pass the constriction; and (d) means for moving the locking element from the unlocked condition to the locked condition. In use, the tubular member is expanded to secure the tubular member within a handlebar end; and the locking element (in the unlocked condition) is received within the cavity defined by the helmet and moved to the locked condition to secure the helmet to the handlebar end via the body.


Figure 1

21: 2023/06735. 22: 2023/06/30. 43: 2024/01/18
51: A61K; G01N
71: EQUILLIUM, INC.
72: CONNELLY, Stephen, AMPUDIA, Jeanette, CHU, Nhu (Dalena) Ngo, NG, Cherie, T.
33: US 31: 63/121,567 32: 2020-12-04
54: METHODS OF SELECTIVELY TARGETING CD6 HIGH CELLS AND DECREASING ACTIVITY OF T EFF CELLS
00: -
Provided are methods and compositions comprising anti-CD6 antibodies, such as itolizumab, which selectively target CD6high T cells, for example, to reduce levels of cell surface CD6 on such cells, decrease the overall levels and pathogenic activity of CD6high T cells or the ratio of CD6high:CD6low T cells in a subject or ex vivo, decrease the overall levels and pathogenic activity of Teff cells or the ratio of Teff:Treg cells in a subject or ex vivo, and/or increase generation of Treg cells in a subject or ex

vivo, and thereby modulate a pathogenic immune response in the subject, among other aspects.

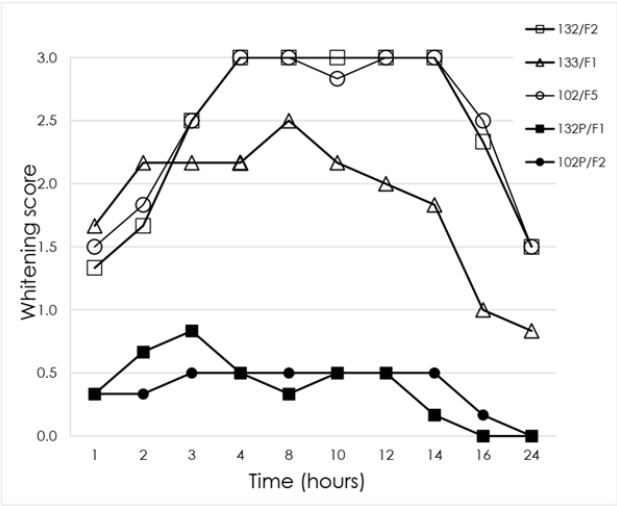


21: 2023/06742. 22: 2023/06/30. 43: 2024/01/18
51: A61K; A61P
71: TARIAN PHARMA
72: WINCKLE, Gareth, ANDRES, Philippe, CZERNIELEWSKI, Janusz
33: FR 31: 2101621 32: 2021-02-19

54: EMULSION COMPOSITION AND USES THEREOF IN THE PREVENTION AND/OR TREATMENT OF SKIN DAMAGE CAUSED BY RADIATION

00: -

The invention relates to a water-based composition in a form suitable for topical administration comprising a vasoconstrictor. The invention is characterised in that it is in the form of an emulsion comprising liquid crystals and in that the composition comprises a vasoconstrictor chosen from brimonidine or salts thereof, in a solvent-based phase comprising: - polyethylene glycol in combination with propylene glycol; - a hydrophilic film-forming agent chosen from a Polyvinylpyrrolidone/Vinyl Acetate copolymer, and polyvinylpyrrolidone in a non-crosslinked, crosslinked or acetate form, taken alone or in combination ; - glycerine; - an emulsifier chosen from the combination of PEG-75 stearate and glyceryl monostearate, and the combination of polyoxyethylene-20 sorbitan monosteearate (polysorbate-60) and cetostearyl alcohol; - an oleic acid or an oleyl alcohol, preferably an oleyl alcohol; - and an oil phase suitable for obtaining an emulsion comprising liquid crystals.



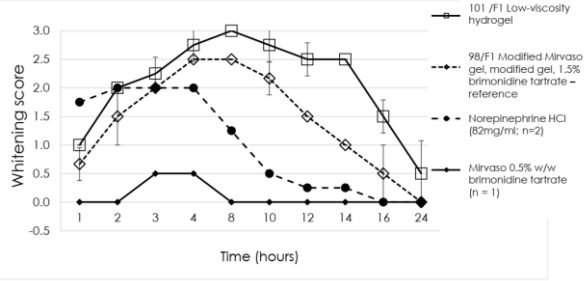
21: 2023/06750. 22: 2023/06/30. 43: 2024/01/18
51: A61K
71: TARIAN PHARMA
72: WINCKLE, Gareth, ANDRES, Philippe, CZERNIELEWSKI, Janusz
33: FR 31: 2101620 32: 2021-02-19

54: HYDROGEL COMPOSITION AND USES THEREOF IN THE PREVENTION AND/OR TREATMENT OF SKIN DAMAGE CAUSED BY RADIATION

00: -

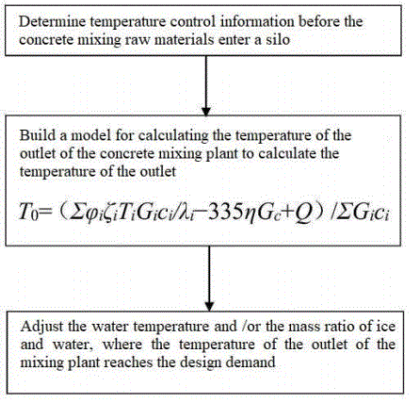
The invention relates to a composition in a form suitable for topical administration, which is water-based and comprises a vasoconstrictor. The invention is characterised in that the composition comprises a vasoconstrictor chosen from brimonidine or salts thereof, in a solvent-based phase comprising: - polyethylene glycol in combination with propylene glycol and/or dimethyl sulfoxide (DMSO); - a hydrophilic film-forming agent chosen from a polyvinylpyrrolidone / vinyl acetate copolymer, polyvinylpyrrolidone in a non-crosslinked, crosslinked or acetate form, taken alone or in combination; - glycerine; and in that is in the form of a hydrogel. The invention also relates to the composition according to the invention for the use thereof as a medicine, more particularly in the prevention and/or treatment of dermatitis resulting

from radiation, notably in the context of a radiotherapy treatment.

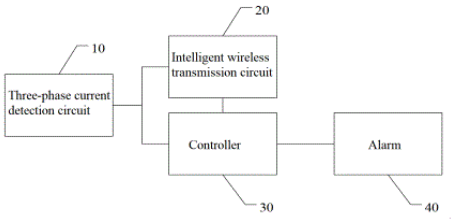


21: 2023/06773. 22: 2023/07/03. 43: 2024/01/23
51: C08K
71: Zhejiang Industry And Trade Vocational College
72: GAO, Yao, LI, Lingmeng, GE, Xinyong, FENG, Shunping, MIAO, Xingxu
54: BIODEGRADABLE REINFORCED HEAT-RESISTANT POLYLACTIC ACID RESIN AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a biodegradable reinforced heat-resistant polylactic acid resin and a preparation method thereof. The crystallization of polylactic acid can be significantly induced, and fibers have a strong interfacial interaction with a polylactic acid matrix, so that the polylactic acid resin has great heat resistance as well as excellent mechanical properties. After further heat treatment following injection molding, the heat resistance of the polylactic acid resin can be significantly improved.

21: 2023/06774. 22: 2023/07/03. 43: 2024/01/23
51: B28C
71: Yebatan Branch of Huadian Jinsha River Upstream Hydropower Development Co., Ltd., China Institute of Water Resources and Hydropower Research
72: XIA, Yong, ZHANG, Lei, LIU, Xiaojun, ZHANG, Guoxin, ZHAO, Heng, ZHENG, Lei, REN, Xifu, TAN, Ni, QI, Wentan, JIANG, Yunhui, DU, Guangyuan, JIN, Xinxin, ZHONG, Fulin, ZHU, Zhenyang, JI, Xinshuai, XIN, Jianda, LI, Zidong, LIU, Lu, HAN, Guojun, LI, Ruyao, WANG, Haizhou
54: METHOD FOR CONTROLLING TEMPERATURE OF OUTLET OF CONCRETE MIXING PLANT
00: -
The present invention provides a method for controlling the temperature of an outlet of a concrete mixing plant, wherein the temperature of a concrete aggregate before mixing can be mastered accurately and the temperature of the outlet of concrete and the needed water temperature or the amount of added ice can be calculated precisely.



21: 2023/06778. 22: 2023/07/03. 43: 2024/01/23
51: G01R
71: Beihua University
72: ZHOU, Zhenxiong, SUN, Jiyuan, GUO, Li, CUI, Yang, YUAN, Guangjun, SONG, Zaiyong
54: THREE-PHASE CURRENT WIRELESS DETECTION DEVICE
00: -
Provided is a three-phase current wireless detection device. The device includes: a three-phase current detection circuit, an intelligent wireless transmission circuit, a controller and an alarm, where current transformers are mounted on any two phases of a three-phase symmetrical circuit, and measure current effective values of the two phases as detection currents, one ends of the two current transformers are connected to corresponding two phases of a three-phase rectifier bridge respectively, and the other ends of the current transformers are connected to a third phase of the three-phase rectifier bridge; an input of the three-phase rectifier bridge is the detection current of the three-phase symmetrical circuit, an output of the three-phase rectifier bridge is an average current value of the three-phase symmetrical circuit, the average current value is converted into a voltage signal of 0 V to 5 V through a filter conversion circuit.

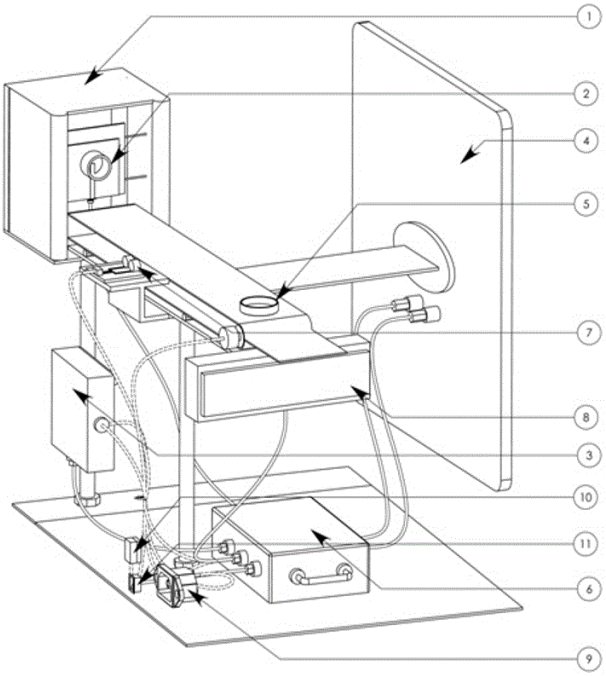


21: 2023/06780. 22: 2023/07/03. 43: 2024/01/23
51: G01N
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: JEYAKUMAR, Pitchaikani, SACHIN ARAVINTH, Kanakaraj, GOKUL, Sellappagounder chellamuthu, VISHWA, Shunmuga Sundaram, SANJAI, Balakrishnan, SHANJAY, Ravi Kalaivani

54: A PORTABLE TEST KIT FOR VIRUS DETECTION USING MICRO STRIP CAVITY RESONATOR BIOSENSOR

00: -

The present invention discloses a portable test kit (15) for virus detection using micro strip cavity resonator biosensor. The portable test kit comprises a sensor housing chamber (11) includes a sensing antenna, transfer unit, at least one IR sensor, power management unit and a processing unit. The sensor housing chamber protects the sensing antenna (2) from the one or more external factors. The transfer unit (12) configured to transfer the testing sample from the user end to sensor housing chamber for testing the sample. The IR sensor (7) is configured to detect the movement/position of the testing sample towards the sensor housing chamber. The power management unit (3) comprises a power source which is configured to provide the necessary electrical energy to the test kit for testing the samples rapidly. The processing unit (6) configured to measure the electrical properties of the biological samples received in the sensor housing chamber for diagnosis and monitoring of viral infections.



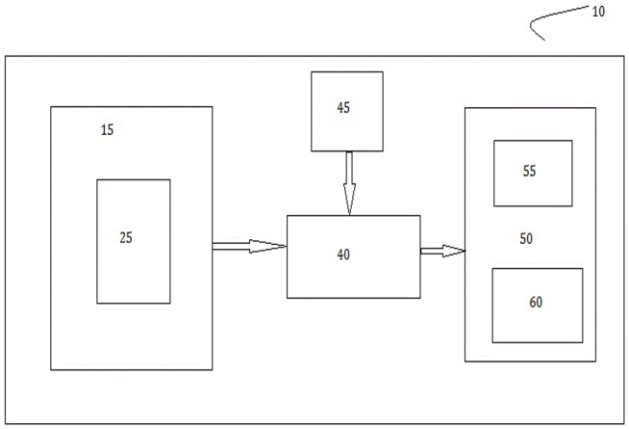
21: 2023/06781. 22: 2023/07/03. 43: 2024/01/23
51: G06F
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: MAKANYADEVI KANDASAMY, ABISHEK RAJASEKARAN, ASWIN KUMAR RAJAPPA, AJITH ANNADURAI, BHARATHIDHASAN MURUGESAN

54: A SYSTEM FOR CONTROLLING THE ELECTRICAL APPARATUS AND METHOD THEREOF

00: -

The present invention discloses a system (10) for controlling the electrical apparatuses to reduce the difficulties of disabled people. The system comprises a control unit, communication sub system, security sub system and an execution sub system. The control unit (15) is configured to select the apparatuses by means of scanning images or importing the images to control the electrical products. The communication sub system (40) configured to communicate the one or more electrical apparatuses by means of one or more connectivity options. The security sub system (45) configured to authenticate the users by means of one or more authentication processes. The execution sub system (50) configured to operate the relay module through the microcontroller for controlling the electrical apparatuses from various locations. The present invention (10) will reduce the

difficulties of disabled people to control the electrical apparatuses in one or more locations.

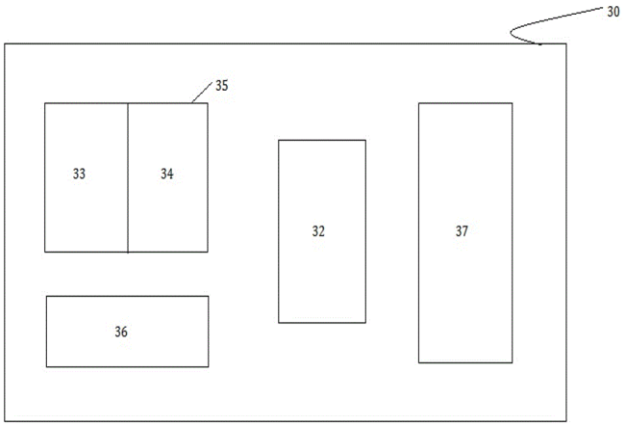


21: 2023/06782. 22: 2023/07/03. 43: 2024/01/23
51: B65D
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Raja Guru Ramaraj, Jagannath Singaravel, Nithish Ramesh, Karthikeyan Palanisamy

54: A SYSTEM FOR IMPROVING THE SAFETY FEATURES IN WINDOWS

00: -

The present invention discloses a system (30) for improving the safety features in windows to avoid the circulation of harmful gases and to prevent the accidents due to fall down of old age people and children. The system comprises a power source, processor, an identification system, a security system and a communication sub system. The processor (32) is operable by a power source configured to execute the instructions in a sequence. The identification system includes a first module (33) and a second module (34), for identifying the internal and external parameters by means of plurality of sensors. The security system (36) configured to identify the abnormalities to prevent the accidents. The communication sub system (37) configured to execute the user instructions by means of the processor (32) from one or more locations. The present invention will help to increase the safety features of the rooms in an effective manner.

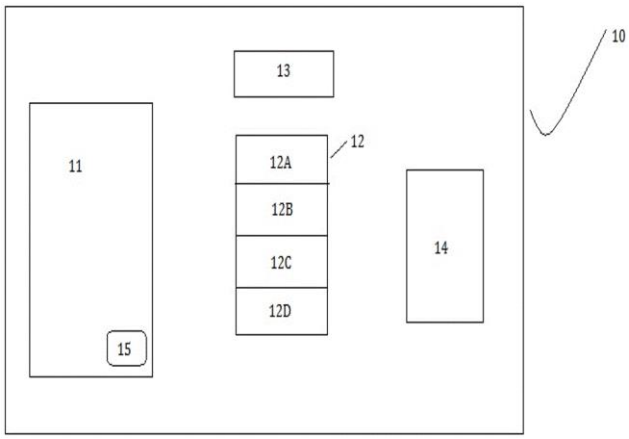


21: 2023/06783. 22: 2023/07/03. 43: 2024/01/23
51: A01G
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Raja Guru Ramaraj, Janagan Palanivel, Ezhilvannan Manivannan, Namashivayam Neelavan

54: A SYSTEM FOR CONTROLLING THE IRRIGATION OF WATER IN AGRICULTURE FIELD

00: -

The present invention discloses a system (10) for controlling the irrigation of water in the agricultural field to increase the yield of crops. The system comprises a plurality of distributed sensor node system, coordinator node system, real time logger system and a power regeneration system. The distributed sensor node system (11) configured to detect the real time information by means of one or more sensors. The coordinator node system (12) is operable by the processor configured to control the water pump by means of instructed information. The real time logger system (13) is configured to prevent the failures of water irrigation in the unwanted wrong times. The power regeneration system (14) is producing the energy by using the one or more solar panels. The present invention (10) will improve the yield of crops with or without human intervention for controlling the irrigation process in an effective manner.

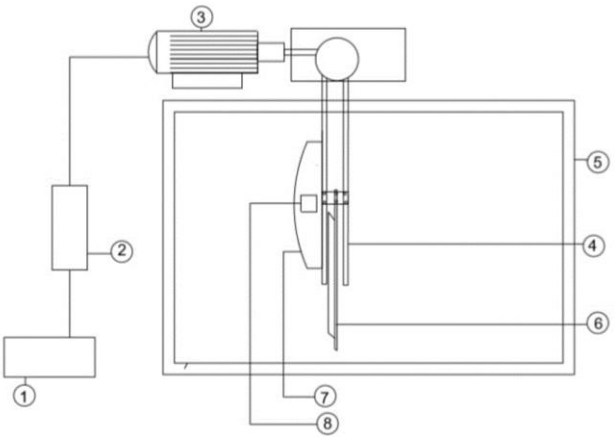


21: 2023/06784. 22: 2023/07/03. 43: 2024/01/23
51: G09B
71: M.KUMARASAMY COLLEGE OF ENGINEERING
72: Yuvaraj Mariappan, Barath Srinivasan Kumar, Anchana Balaji, Bharathi Sivasamy

54: TEACHING BOARD SCANNER AND WIPER

00: -

The present invention discloses a teaching board scanner and wiper (10) for erasing the board automatically after scanning the contents. The teaching board scanner and wiper comprise a rotating medium, wiper arm, wiper blade, scanner and an IoT box. The wiper arm (4) is configured to erase the board by means of wiper blade. The rotating medium (3) is providing the necessary rotary motion to the wiper arm. The scanner (7) is housed with the wiper arm which is configured to scan and store the one or more written contents in one or more formats. The IoT box (8) is configured to send the one or more information to the one or more registered users by means of one or more connectivity options. The present invention will help to scan/store the written contents before erasing the boards. The wiper also helps to erase the black/white boards automatically using a switch control.



21: 2023/06785. 22: 2023/07/03. 43: 2024/01/16
51: G06F; H04L
71: 10T HOLDINGS (PTY) LTD
72: JACOBS, Gysbert Johannes, DU TOIT, Rudi Deodat
33: ZA 31: 2016/06120 32: 2016-09-05

54: SOFTWARE-DEFINED DEVICE INTERFACE SYSTEM AND METHOD

00: -

The invention relates to a software defined device interface system, a software defined device interface, a gateway and a method of defining an interface for a device that uses a specific communication protocol for communication purposes. The system includes a microprocessor / processing unit with a plurality of communication pins and software / firmware. The software / firmware is configured, based on a specific communication protocol which is used by a specific device for communication purposes, to, in runtime, assign / select one device may be connected, upon receipt a configuration instruction from a user to a specific communication protocol.

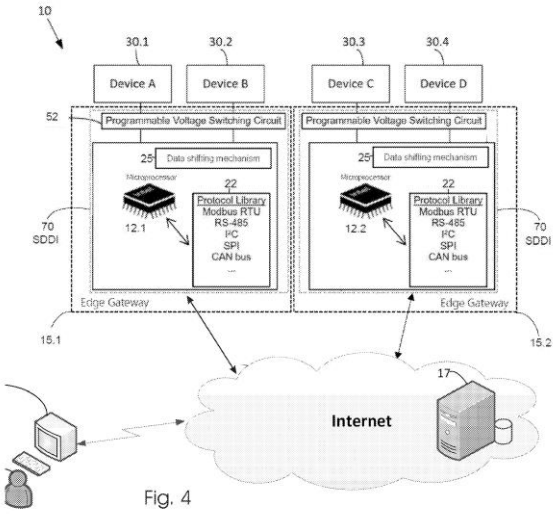
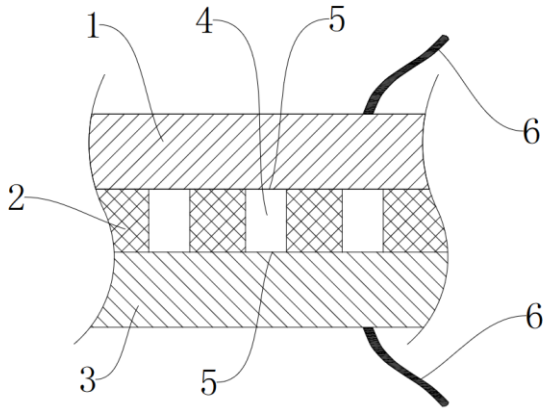


Fig. 4

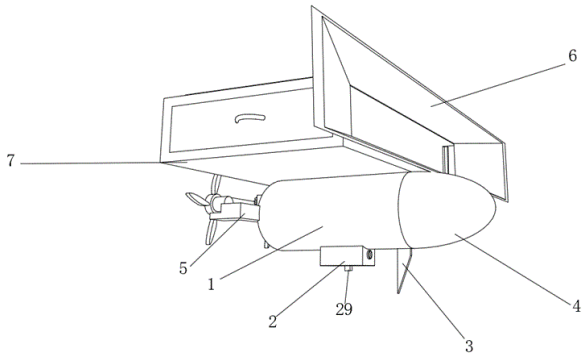
21: 2023/06804. 22: 2023/07/04. 43: 2024/01/23
51: G01B
71: Wuyi University
72: WANG Fei, YU Hui
33: CN 31: 2022113224861 32: 2022-10-27
54: A RESISTIVE FLEXIBLE FABRIC POSITION SENSOR
00: -
The invention discloses a resistive flexible fabric position sensor, which comprises a first conductive fabric layer, an elastic isolation layer and a second conductive fabric layer which are sequentially arranged from top to bottom; The elastic isolation layer is densely arranged with a plurality of through holes, the first conductive fabric layer or the second conductive fabric layer is provided with contacts matched with the through holes, and there is a distance between the contact and the second conductive fabric layer or the first conductive fabric layer on the other side; When pressure is applied to the surface of the first conductive fabric layer or the second conductive fabric layer, the contact contacts with the second conductive fabric layer or the first conductive fabric layer on the other side via the through hole to be electrified and output a resistance value corresponding to the applied position. According to the invention, the distance-pressing sensing can be realized, and the characteristics of textiles are taken into account at the same time, so that the problem that the existing position sensors can not be well embedded into textiles and clothing is effectively solved, and the structure is simple, stable and reliable, the cost is low, and the universality is strong.



21: 2023/06806. 22: 2023/07/04. 43: 2024/01/23
51: C04B
71: Zhengzhou Dunmei Biotechnology Co., Ltd
72: He Gang, Fan Chunyan
33: CN 31: 202310658095.5 32: 2023-06-05
54: REPAIR MATERIAL WITH SAME COLOR FOR CRACKS OF NEWLY BUILT CEMENT PAVEMENTS
00: -
Disclosed is a repair material with same color for cracks of newly built cement pavements. The material includes the following raw materials in part by weight: 5 parts of 425 ordinary silicate cement; 4 parts of 525 quick-drying sulphoaluminate cement; 2 parts of anticaking fumed silica; 2 parts of high-purity iron oxide powder; 1 part of high-purity lithium carbonate; 3 parts of spray-dried rubber powder 5010; 2 parts of food-grade tartaric acid citric acid retarders; 3 parts of food-grade sodium gluconate; 3 parts of clean water; 3 parts of crack-resistant fine aggregate; 3 parts of bauxite; 5 parts of polycarboxylate superplasticizer; 3 parts of lithium sulfate; and 10 parts of color iron oxide powder. According to the present invention, non-destructive cracks of cement grounds and other cement buildings can be repaired by the repair material with a good reinforcing effect. For the repair of cracks of the cement ground, the integrity and aesthetics of the ground can be ensured, and the service life of the road can be prolonged.

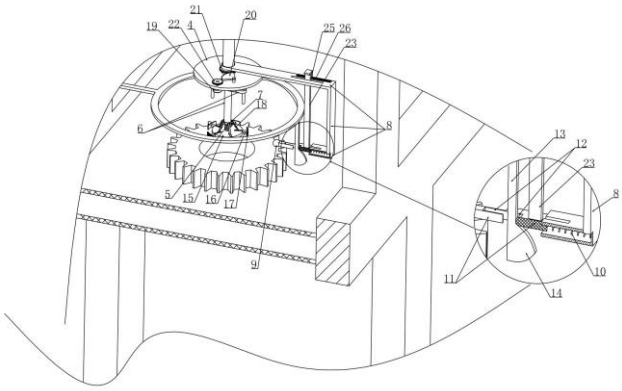
21: 2023/06807. 22: 2023/07/04. 43: 2024/01/23
51: B09C

71: Nanchang Institute of Technology
72: Yu benfeng
54: ECOLOGICAL RESTORATION EQUIPMENT FOR SMALL AND MICRO WETLANDS
00: -
The present invention discloses an ecological restoration equipment for small and micro wetlands, including a storage tank, a bottom end of a water storage tank is fixedly connected to a water pump tank, a front end at the bottom end of the water storage tank is provided with a guiding sheet, a rear end on the both sides of the storage boxes are fixedly connected to fixed plates, a top end of the water storage tank is fixedly connected to a collection box. According to present invention, the self-priming pump will pump water through the inlet to make the water source pass through the outlet to the water storage tank, thereby increasing the weight of the water water storage tank and achieving the purpose of diving. At the same time, the water in the water water storage tank can be discharged into the water water storage tank through the inlet through the self-priming pump.



21: 2023/06808. 22: 2023/07/04. 43: 2024/01/23
51: A61H
71: Xinyu University
72: Zhang Yujuan, Liu Chengyu, Li Qiuxiang, Huang Yan, Qin Yunmei, Li Juxiang
33: CN 31: 202310741780.4 32: 2023-06-21
54: TRADITIONAL CHINESE MEDICINE GUA SHA TREATMENT DEVICE
00: -
The present invention provides a traditional Chinese medicine Gua Sha treatment device, to the technical field of the traditional Chinese medicine treatment device instrument Gua Sha. The traditional Chinese medicine Gua Sha treatment device includes a housing and a Gua Sha plate, a massage mechanism is used for evenly smudging essential oil, and a clamping mechanism is used for fixing the Gua Sha plate. The traditional Chinese medicine Gua Sha treatment device, One end of the Gua Sha plate is inserted between the lower surface of the pressure plate and the inner wall of the housing, immediately after the angle is adjusted, and then screw bolt is rotated, the screw bolt drives the connecting plate and the pressure plate to slide down along the inner wall of the housing at the same time, furthermore, the Gua Sha plate is pressed to the lower surface of the pressure plate, and then the sliding rod is pulled down, the sliding rod moves down to compress the spring, meanwhile the fixture block and the slotting rod are separated, and then the clamping housing is slid, so that the outer surface of the two groups of the clamping housing are fitted to the side surface of the Gua Sha plates, and then the sliding rod is loosened, under the action of the spring, the sliding rod rebounds and re-meshes the slotting rod and the fixture block, furthermore, it is convenient to install and replace the Gua Sha plate.

21: 2023/06809. 22: 2023/07/04. 43: 2024/01/23
51: B23Q
71: Zhengzhou Research Institute of Mechanical Engineering Co., Ltd.
72: Wang Dongfei, Guan Rongxin, Lv Pangong, Dou Xiaopeng, Ma Chengtian, Li Yuying
33: CN 31: 202321419284.9 32: 2023-06-06
54: POSITIONING DETECTING DEVICE FOR GEAR REFERENCE DIAMETER
00: -
The invention relates to a positioning detecting device for gear reference diameter, which effectively solves the problems of low efficiency and low accuracy of the existing gear reference diameter detection; the technical scheme is as follows: the detecting device can complete the detection of the machined gear reference diameter on the assembly line, and the whole detecting process does not need manual participation, thus ensuring a unified standard for the detection, enabling the detection of the gear reference diameter to have a higher accuracy, improving the detection efficiency, and improving the qualification rate of gear parts because all the gears leaving the factory can be detected.

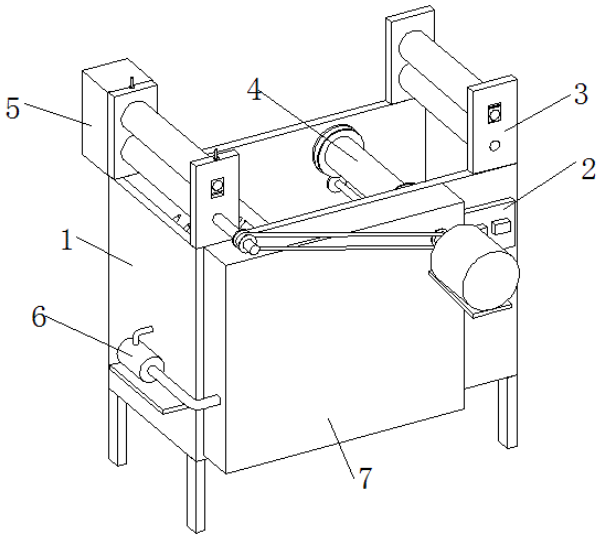


21: 2023/06829. 22: 2023/07/05. 43: 2024/01/23
51: D06B
71: Yancheng Polytechnic College
72: ZHOU Hongtao, SONG Qiuxia, WANG Ke, WU Yinfei, ZHOU Bin, FAN Lishan
33: CN 31: 2022115634146 32: 2022-12-07

54: METHOD AND DEVICE FOR PREPARING WATERPROOF AND FLAME-RETARDANT TEXTILES

00: -

The invention relates to the technical field of textiles, in particular to a method and a device for preparing waterproof and flame-retardant textiles, comprising a box body, characterized in that a control switch is installed at the outer side of the box body, a positioning mechanism is installed at the upper end of the box body, a guide mechanism is installed at the upper end of the box body, and a driving mechanism is installed in the inner cavity of the box body. The structural design of the present invention is novel, which facilitates the cooperation between the driving mechanism and the cloth pressing mechanism, tightens and depresses the textile, and improves the infiltration effect of the dip dyeing liquid. Through linkage among the driving mechanism, the spraying mechanism, the guide mechanism and the mixing mechanism, the mechanical linkage of equipment is facilitate to be improved, and the use effect is improved; the upper and lower surfaces of textiles are further sprayed with the dip dyeing liquid for multiple times through the spraying mechanism, so that the infection effect is improved; and the dip dyeing liquid is stirred and mixed through the mixing mechanism, so that the use effect of the dip dyeing liquid is improved; and the textiles are guided and transmitted through the guide mechanism, so that the use is convenient.



21: 2023/06830. 22: 2023/07/05. 43: 2024/01/23
51: A61K
71: North China University of Science and Technology
72: Lixun Lyu, Qianying Zhang, Linlin Zhao, Xiaobin Duan

54: AN ANTIHYPERTENSIVE DRUG AND ITS PREPARATION METHOD THEREOF

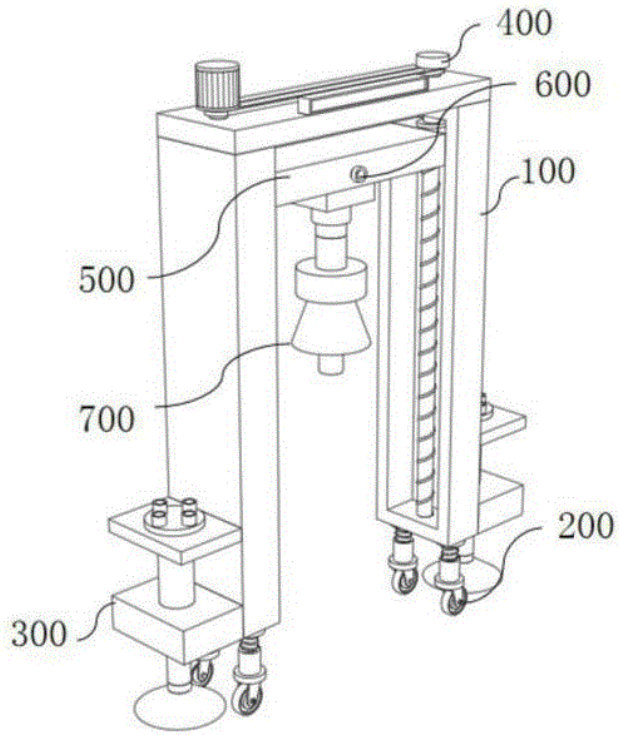
00: -

The invention relates to the technical field of traditional Chinese medicine preparation, in particular to an antihypertensive drug and its preparation method thereof. The antihypertensive drug comprises the following weight ratio components: 10-15% hawthorn, 6-10% cassia seed, 5-8% pueraria, 4-7% epimedium, 3-5% salvia miltiorrhiza, 3-4% tuckahoe, 3-4% chrysanthemum, 2-4% eucommia, 2-4% heracleum, 2-3% mulberry parasite, 1-3% lumbricus, 1-2% burdock root, 1-2% gentian; The beneficial effects are: the antihypertensive drug and the preparation method of the invention are made of pure Chinese medicine. Each component conforms to the relevant provisions of pharmacopoeia law, uses the compatibility of each Chinese medicine, does not contain chemical components, does not contain hormones, non-toxic side effects. It can cure the disease and relieve the symptoms. It can achieve better blood pressure lowering effect; The traditional Chinese medicine composition of the invention has the advantages of short course of treatment, high total effective rate and easy recurrence after healing; The process of the invention is simple, the production cost is

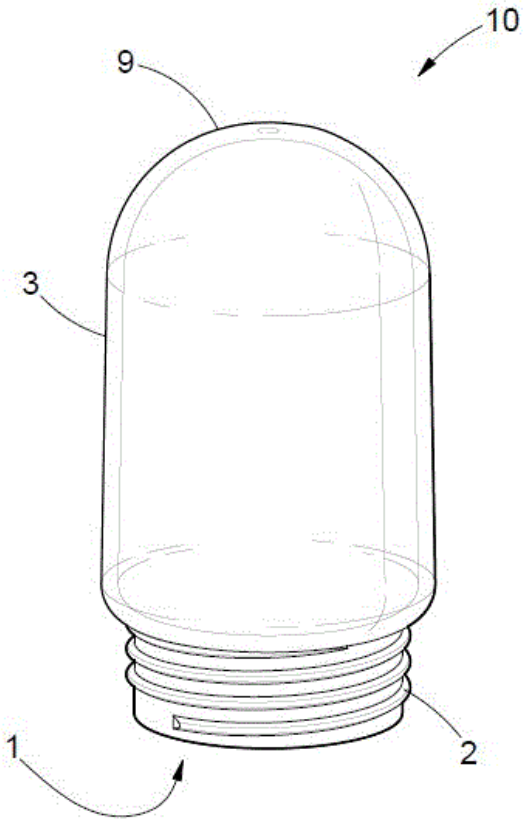
reduced, and the economic burden of the patient is reduced.

21: 2023/06831. 22: 2023/07/05. 43: 2024/01/23
51: A01C
71: Sichuan Shanghao Tea Industry Co., Ltd, CHENGDU VOCATIONAL & TECHNICAL COLLEGE OF INDUSTRY, Sericultural Research Institute of Sichuan Academy of Agricultural Sciences, Nanchong Innovation Mulberry Industry Technology Research Institute, Sichuan Shanghao Biotechnology Co., Ltd, Nanchong Shanghao Mulberry Tea Co., Ltd.
72: LIU Lumin, ZHAO Qinghua, LIU Xingyu, LIU Huimin, HU Junhua, CHENG Bo, ZHANG Yan, HAN Lijun, WU Jianmei, YIN Hao, YE Jingjing
54: METHOD FOR INCREASING YIELD OF PLANT SHOOT TIPS AND TENDER LEAVES
00: -
The present invention discloses a method for increasing yield of plant shoot tips and tender leaves, belonging to the field of plant cultivation and production technology. The method comprises the steps of cultivating by using a dense planting and dwarfing cultivation method after sowing, and using a treatment of multiple batches of pruning and cutting combined with pinching tips, leaves and buds within a year to obtain the shoot tips and tender leaves; the plants include mulberry, rapeseed, cabbage or Chinese toon. The method of the present invention can significantly increase the yield of shoot tips and tender leaves, as well as increase the harvesting speed, promote early germination of mulberry trees, delay the deciduous period of mulberry trees to increase the tea mulberry yield. The method of staggered rotating cutting and multiple cutting can balance the yield of shoot tips and tender leaves, and ensure the balanced use of labor and production equipment in the production area, which is suitable for actual production in factories.

21: 2023/06833. 22: 2023/07/05. 43: 2024/01/23
51: G01D
71: HEILONGJIANG UNIVERSITY
72: LIU Xiao, ZHENG Fangwen
54: COMBINED GEOPHYSICAL SURVEY PROBE
00: -
The invention discloses a combined geophysical survey probe, which relates to the technical field of physical survey. The invention comprises a supporting structure, a moving structure, an adjusting structure, a transmission structure, a lifting structure, an adjustment structure and a protective structure, and is characterized in that the supporting structure comprises a supporting groove and a supporting plate, the upper surfaces of the two supporting grooves are connected with the lower surfaces of the supporting plates, the moving structure comprises a supporting ring and a shock absorber, one end of the two supporting rings is connected with the lower surfaces of the supporting grooves, and the other end of the supporting ring is connected with the upper surfaces of the shock absorbers, so that the shock force received during the moving process of the device can be reduced through the shock absorber, the telescopic cylinder will be started to push the connecting rod and the negative pressure suction cup to move downwards, and the connecting rod and the negative pressure suction cup will be fixed in contact with the ground. The levelness tester will be used to judge whether the survey device is in a horizontal position. If it is not in a horizontal position, the telescopic length of the telescopic cylinders at both sides will be changed by judgment, so that the survey device is in a horizontal device, which can increase the accuracy of survey data results.

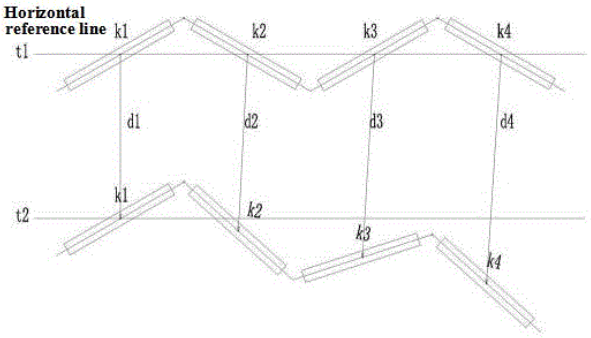


21: 2023/06834. 22: 2023/07/05. 43: 2024/02/06
51: F21S
71: DYNAMIC DISTRIBUTORS (PTY) LTD
72: TONER, Shaun
54: A NOVEL ROBUST COVER
00: -
This invention relates to a novel robust cover. In particular, this invention relates to a cover for covering a light-emitting device including a robust, hollow body capable of receiving a light-emitting device and radiating light from the light-emitting device, and a fastening means to allow for the robust, hollow body to be fastened to an object to allow for the novel robust cover to endure impact sustained during installation, transportation, and other objects and thereby protecting the light bulb contained therein.

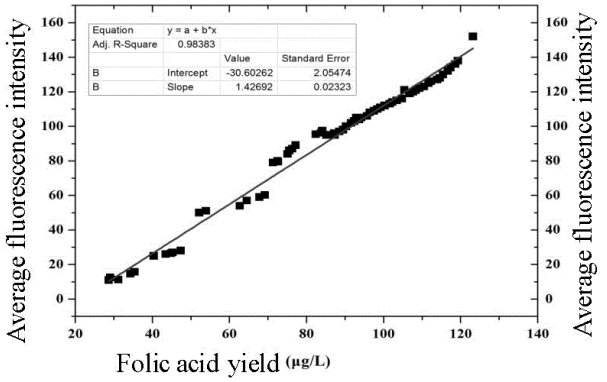


21: 2023/06862. 22: 2023/07/06. 43: 2024/01/23
51: B62D
71: Ningxia Tiandi northwest coal machine limited company, National Energy Group Ningxia Coal Industry Co., Ltd.
72: YANG Yang, FENG Baozhong, HAN Fangcheng, LIU Zengjie, ZHANG Fenyou, JIN Feng, MA Yue, SHENG Weiqing, ZHOU Hailin, LUO Tingfeng, WANG Zhangui, NIE Yongchao, SONG Kang, ZENG Chao, CHAI Yanbiao
54: CONTROL METHOD FOR COORDINATED MOVEMENT ADJUSTMENT OF COMBINED CRAWLER OF CONVEYOR
00: -
The invention provides a control method for coordinated movement adjustment of combined crawler of conveyor, which comprises the following steps: dividing a belt conveyor truss into a plurality of groups, wherein each group comprises a plurality of trusses, and connecting adjacent trusses with a coupling; A driving mechanism is arranged at the bottom of each truss, and the real-time walking distance of each truss is recorded; The real-time walking distance of each truss in the group is averaged; Calculating the single difference between

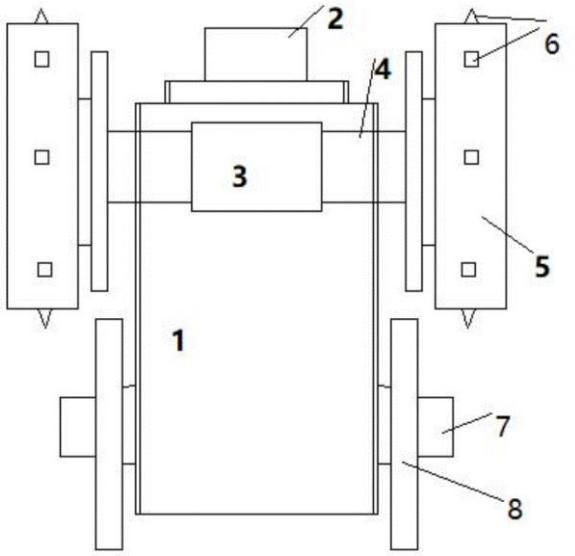
the real-time walking distance of each truss in the group and the average travel distance; Comparing the monomer difference with the pre-stored intra-group error limit, and adjusting the corresponding truss according to the comparison result; In the invention, the whole belt conveyor is divided into groups, the moving distance of a group of trusses is recorded and calculated, and the trusses are correspondingly aligned and straightened according to the calculation results.



21: 2023/06863. 22: 2023/07/06. 43: 2024/01/23
51: C12N
71: Anhui Polytechnic University
72: LIU Yan, WANG Jian, HU Liuxiu, XUE Zhenglian, HUANG Junbao, HUANG Xilin, GAO Xuli, LUO Yani, TAO Wei
54: RAPID MUTATION SCREENING METHOD FOR FOLIC ACID-PRODUCING BACTERIA
00: -
The invention discloses a rapid mutation screening method for folic acid-producing bacteria. According to the relationship between folic acid yield and fluorescence signal of flow cytometry, this method uses fluorescence labeling technology to carry out carrier recombination on mutant strains, and uses cell surface display technology of flow cytometry to detect different fluorescence signals emitted by bacteria with different folic acid yields, so that the fluorescence distribution area of high-yield bacteria can be located efficiently, which provides reference for industrial microbial strain breeding and has certain guiding significance for industrial production of fermented folic acid.



21: 2023/06864. 22: 2023/07/06. 43: 2024/01/23
51: E03F
71: Henan University of Urban Construction
72: Gao Hongbin, Yao Mengyang, Fan Yanru, Yin ShiQiang, Wu Junfeng, Zhu Xinfeng
33: CN 31: 2023216032172 32: 2023-06-21
54: SYSTEM FOR DETECTING DRAINAGE PIPELINE
00: -
The utility model belongs to the field of pipeline detection, and discloses a system for detecting drainage pipeline, which comprises a supporting body, two sides of the supporting body are symmetrically provided with driving structures; a motor, which is arranged inside the supporting body, and both ends of the motor are in transmission connection with the driving structure through a transmission shaft; a breakage and blockage detection module, which is arranged at the inner bottom of the supporting body, and one side is connected with a control module, and the control module is electrically connected with the motor; an image detection module, which is arranged at one end of the supporting body and is electrically connected with the control module; and a user terminal, which is connected with the control module in communication. The technical scheme of the utility model can intelligently identify pipeline defects with high efficiency, high precision and high speed, and reduces the manual identification processing cost of pipeline inspection work.

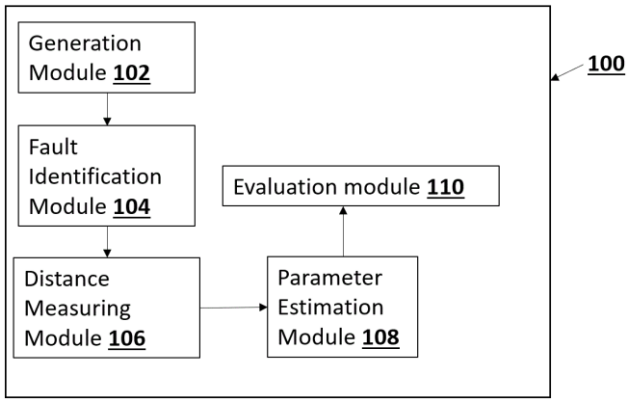


21: 2023/06866. 22: 2023/07/06. 43: 2024/01/23
51: G01V
71: Dr Ashish Kumar Parashar
72: Dr Ashish Kumar Parashar

54: A SEISMIC HAZARD ASSESSMENT SYSTEM

00: -

A Seismic Hazard Assessment System (100), comprises of: a generation module (102) for generating a seismotectonic atlas to identify linear seismic sources; a fault identification module (104) for identifying at least a fault in the generated seismotectonic atlas and measured length of the identified faults; a distance measuring module (106) for calculating a source-to-site distance or minimum map distance for the identified linear sources based on the seismotectonic maps; a parameter estimation module (108) for estimating seismic parameters by a linear least-square fit technique; and an evaluation module (110) for evaluating a seismic hazard curve to evaluate probability of ground motion exceedance for a specified return period, wherein seismic hazard curves are obtained for a particular seismic source and are combined to express aggregate hazards at a particular site.

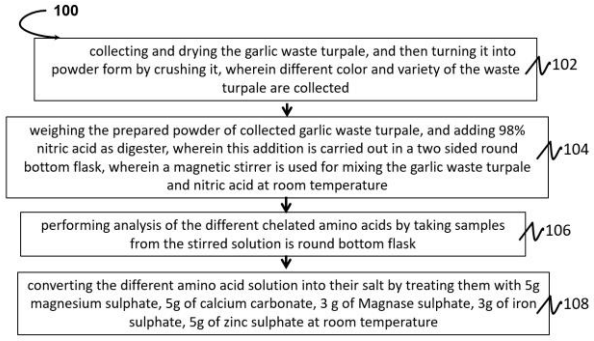


21: 2023/06867. 22: 2023/07/06. 43: 2024/01/23
51: A23L
71: Dr. Amrut Gunwantrao Gaddamwar, Sreeramamurthy Satish Raghammudi, Dr Meshram Rohan Janardhan, Dr.Ramesh Tukaram Parihar, Dr.Gundu Mallikarjun
72: Dr. Amrut Gunwantrao Gaddamwar, Sreeramamurthy Satish Raghammudi, Dr Meshram Rohan Janardhan, Dr.Ramesh Tukaram Parihar, Dr.Gundu Mallikarjun

54: A METHOD PREPARING CHELATED DIFFERENT AMINO ACIDS FROM GARLIC TURPALE WASTE

00: -

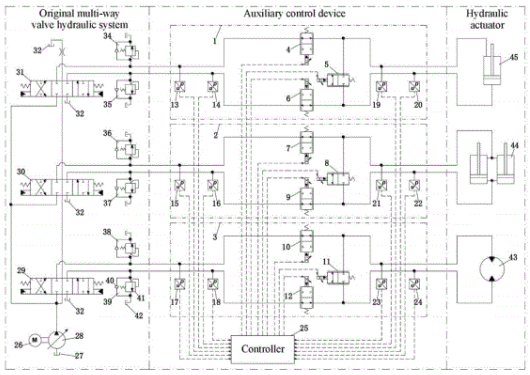
The present disclosure relates to an efficient method for preparing chelated different amino acid salts. More particularly the present disclosure relates to a method for preparing chelated different amino acid from garlic turpale waste. The preparation is carried out by first adding garlic waste turpale in an acidic media (concentrated (98%) nitric acid) at room temperature, wherein a magnetic stirrer is employed for mixing these two. The preparation is carried out at low temperature range of 80-90°C, reaction time of 5-8 hours and the weight ratio of the acid: garlic waste turpale is 1.6:1.3.



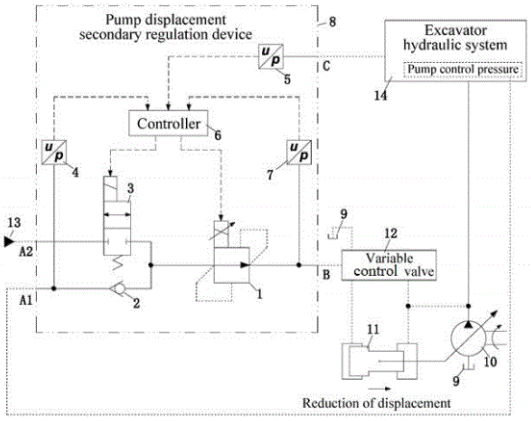
21: 2023/06883. 22: 2023/07/07. 43: 2024/01/23

51: B22D; C04B; C21C
71: Henan Hongyu New Material Technology Co., Ltd.
72: Kang Xiaoxu, Kang Shihao, Liu Jingyuan, Wang Xiaoxiao
54: SILICA-SOL BONDED CORUNDUM SILICON-CARBIDE CASTABLE AND PREPARATION METHOD
00: -
The invention provides a silica-sol bonded corundum silicon-carbide castable and preparation method, the castable is prepared from the following raw materials by weight: 12~18, 12~18, 15~25 parts of brown corundum with particle size 5~8mm, 3~5mm, 1~3mm respectively; 8~12 parts of silicon carbide with particle size 0~1mm; 5~6 parts of silicon carbide with sieve mesh not less than 270; 7~8 parts of dense corundum with particle size 0~1mm; 6~8 parts of dense corundum with sieve mesh not less than 325; 7~9 parts of white corundum; 7~9 parts of alumina powder; 3~4 parts of micro-silica powder; 0.4~0.6 parts of metallic silicon powder; 0.05~0.07 parts of sodium tripolyphosphate; 0.05~0.07 parts of sodium hexametaphosphate; 0.03~0.05 parts of explosion-proof fiber; 6~10 parts of silica sol. The silica-sol bonded corundum silicon-carbide castable obtained from this invention has high strength and excellent thermal stability and wear resistance, which can better meet the needs of large blast furnace smelting.

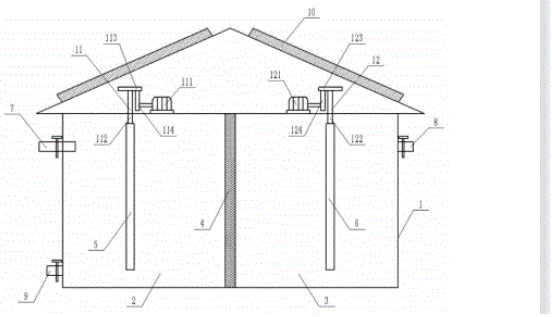
21: 2023/06884. 22: 2023/07/07. 43: 2024/01/23
51: E02F
71: Dongguan University of Technology
72: FU, Wenbo, ZENG, Daxing, LU, Wenjuan, LIU, Haitao
33: CN 31: 2023105774417 32: 2023-05-22
54: AUXILIARY CONTROL DEVICE FOR EXCAVATOR HYDRAULIC SYSTEM
00: -
An auxiliary control device includes three control submodules and a controller. A first control submodule is set between a stick main valve and a stick hydraulic cylinder, a second control submodule is set between a boom main valve and a boom hydraulic cylinder, and a third control submodule is set between a swing main valve and a swing motor. and the controller regulates the flow between the stick main valve and the stick hydraulic cylinder and the flow between two working chambers of the stick hydraulic cylinder through the first control submodule, regulates the flow between the boom main valve and the boom hydraulic cylinder and the flow between two working chambers of the boom hydraulic cylinder through the second control submodule, regulates the flow between the swing main valve and the swing motor and the flow between two working chambers of the swing motor through the third control submodule.



21: 2023/06885. 22: 2023/07/07. 43: 2024/01/23
51: E21D; F04B
71: Dongguan University of Technology
72: FU, Wenbo, ZENG, Daxing, LU, Wenjuan, LIU, Haitao
33: CN 31: 2023105811990 32: 2023-05-22
54: DISPLACEMENT SECONDARY REGULATION DEVICE AND CONTROL METHOD FOR HYDRAULIC PUMP
00: -
A displacement secondary regulation device and a control method for a hydraulic pump. In the device, an oil inlet of a check valve is connected to a port A1, an oil inlet of an electric control directional valve is connected to a port A2, an oil outlet of the electric control directional valve and an oil outlet of the check valve are connected to an oil inlet of an electric proportional fixed differential reducing valve, a first pressure sensor is used for measuring pressure at the port A1, a second pressure sensor is used for measuring pressure at a port B, a third pressure sensor is used for measuring pressure at a port C, and a controller controls the electric control directional valve to open or close, and adjust a pressure difference of the electric proportional fixed differential reducing valve.



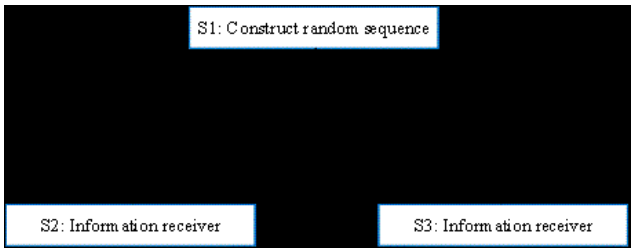
21: 2023/06890. 22: 2023/07/07. 43: 2024/01/23
51: C02F
71: Huzhou College
72: LUO, Yongping, XU, Shunjian, WANG, Yongya, LI, Xianchang, ZHANG, Yuanjun, LI, Hongfeng
54: SOLAR ELECTROCHEMICAL DEFLUORIDATION WATER PURIFIER
00: -
The present disclosure discloses a solar electrochemical defluoridation water purifier, comprising a shell, an anion-cation exchange membrane, an oscillating mechanism and a solar power supply component, wherein an accommodating cavity is provided in the shell; the anion-cation exchange membrane divides the accommodating cavity into an anode cavity and a cathode cavity, the shell is provided with a water inlet and a water outlet, the bottom of the shell is provided with a waste water port, an anode aluminum plate is provided in the anode cavity, and a cathode aluminum plate is provided in the cathode cavity; the oscillating mechanism is provided with a first output end and a second output end, the first output end is capable of being fixedly connected with the anode aluminum plate, and the second output end is capable of being fixedly connected with the cathode aluminum plate.



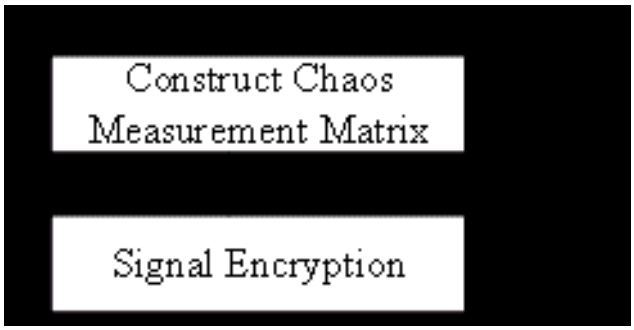
21: 2023/06891. 22: 2023/07/07. 43: 2024/01/23
51: A21D
71: SHANDONG BUSINESS INSTITUTE, Shandong Chenlang Biotechnology Co., Ltd.
72: HUANG Congcong, JI Weiguo, LI Haihong
54: GOJI BERRY BREAD BASED ON DIACYLGLYCEROL OIL AND ITS PREPARATION METHOD
00: -
The present invention provides a goji berry bread based on diacylglycerol oil and its preparation method, belonging to the field of food processing technology. The bread ingredients of the present invention include dried goji berries, high gluten flour, white granulated sugar, baking soda, honey, yeast, milk powder, salt, egg liquid, diacylglycerol oil, margarine and water. The use of diacylglycerol oil to partially replace margarine can reduce the intake of saturated and trans fatty acid, which is more beneficial to human health. Meanwhile, by adding dried goji berries as raw materials to bread, the prepared bread has certain effects such as weight loss, blood lipid lowering, anti-aging, and eye brightening, expanding the application of goji berries. The bread prepared by the present invention has good quality, smooth skin, no cracks, golden yellow color, uniform organization, soft package, strong elasticity, and broad market prospects.

21: 2023/06892. 22: 2023/07/07. 43: 2024/01/23
51: H04L
71: Southwest University
72: Dong Tao, Lv Meining, Hu Wenjie
33: CN 31: 202310678250X 32: 2023-06-08
54: NEURAL NETWORK KEY AGREEMENT METHOD BASED ON FALSE PREDICTION
00: -
This invention provides neural cryptography based on a random sequence. First, two negotiating parties have the same tree parity neural network. Then, the

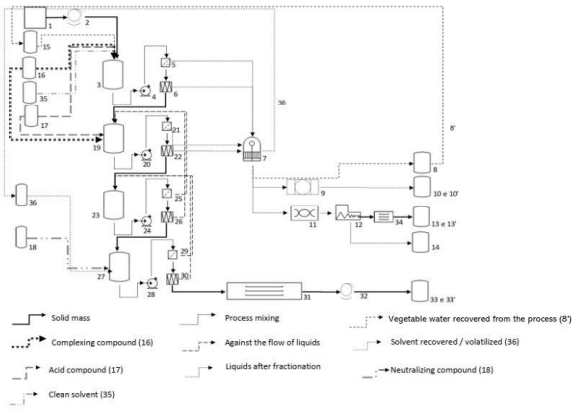
two negotiating parties exchange output information on the public channel. In the process of information exchange, two negotiating parties transmit the wrong output information to the receiver based on the random number generated by the random sequence generator. The receiver has the ability to predict and correct the wrong information. By learning from the received output information, two negotiating parties can finally achieve weight synchronization and realize key sharing. While the attacker cannot apply the same strategy to get the correct key. This invention not only ensures the success of neural cryptography but also improves the security of neural cryptography.



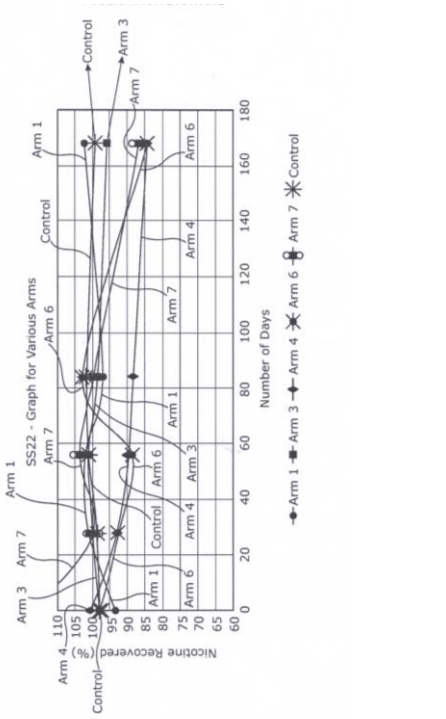
21: 2023/06893. 22: 2023/07/07. 43: 2024/01/23
51: H04L
71: Southwest University
72: Dong Tao, Lv Meining, Hu Wenjie
33: CN 31: 2023106684085 32: 2023-06-07
54: SIGNAL COMPRESSION ENCRYPTION METHOD BASED ON MEMRISTOR CIRCUIT SYSTEM
00: -
This invention provides an image compression and encryption method based on a memristor-coupled circuit. Firstly, chaotic signal generated by the proposed memristor circuit is used to generate chaotic random sequence through 8-bit quantitative acquisition and digital shift difference; then, random measurement matrix and encryption key are generated by using the generated sequence, which can realize image compression and encryption at the same time. The method of the invention can not only adjust the signal output generated by the circuit by adjusting the length of the transmission line of the memristor circuit, but also retain most of the effective information of the original image during image compression and ensure the security of signal transmission. It is significant to improve the efficiency of signal acquisition and transmission.



21: 2023/06898. 22: 2023/07/07. 43: 2024/01/23
51: A61K; B01D; B01J; C07B; C08B
71: FIBER CITRUS INDÚSTRIA E COMÉRCIO LTDA.
72: SOARES, Filipe da Silva, GUERRA, Francisco José, LOPES, Othniel Rodrigues
33: BR 31: 10 2022 013691-2 32: 2022-07-08
54: PROCESS OF FRACTIONATION AND RECOVERY OF FLAVONOIDS, TERPENES AND PREBIOTIC FIBER CONTAINING POLYSACCHARIDES FROM PLANT MATERIAL, USE OF PLANT MATERIAL, AND FLAVONOIDS, TERPENES AND PREBIOTICAL FIBER CONTAINING POLYSACCHARIDES
00: -
The present invention relates to a process for fractionation and total recovery of flavonoids, terpenes and polysaccharides from the bark of a vegetable material, such as citrus peel, without generating effluents. The present invention also refers to flavonoids, terpenes and polysaccharides obtained by the process and their use in various applications in the food, cosmetic, pharmaceutical or chemical areas. The process developed by the present inventors allows the total recovery of the flavonoids, terpenes and polysaccharides components without the use of extreme pH and temperature conditions and without generating effluents, providing a clean and sustainable process, since citrus peel is used as a material for starting point and comprises steps of acid synthesis by means of a metal ion sequestration mechanism.

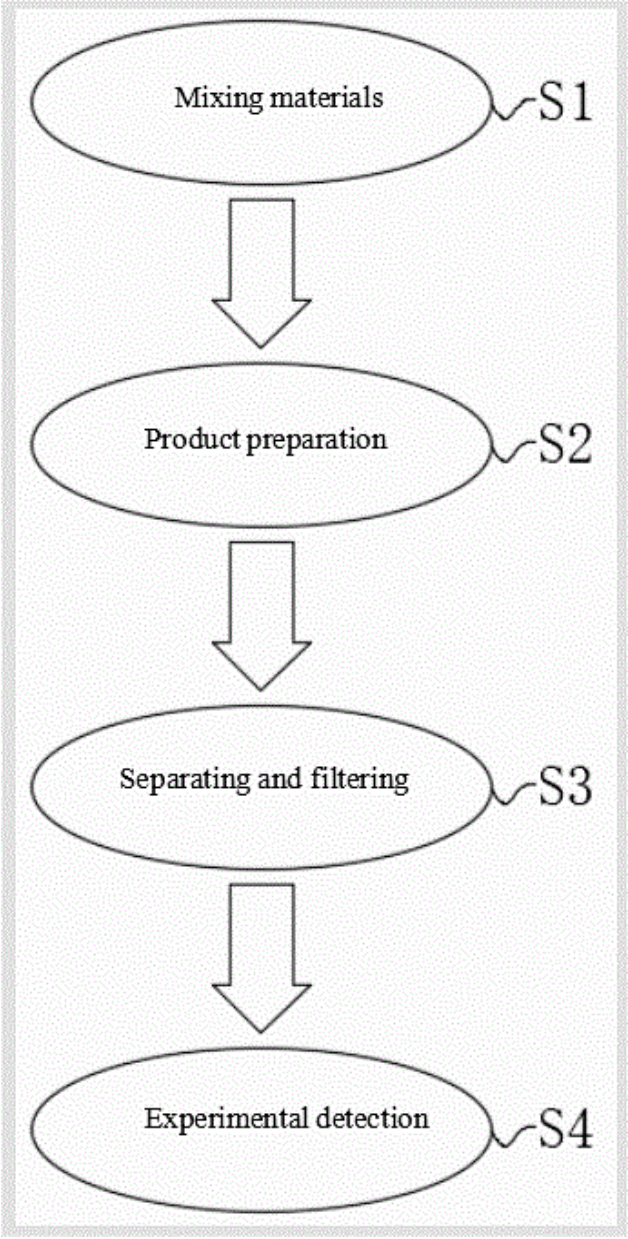


21: 2023/06917. 22: 2023/07/07. 43: 2024/01/30
51: A24B
71: VENTUS MEDICAL LIMITED
72: LAWSON, David, DIGNUM, Mark
33: GB 31: 2100353.8 32: 2021-01-12
54: AEROSOLIZABLE NICOTINE-CONTAINING FORMULATIONS
00: -
Novel Nicotine-containing formulations for eCigarette and other electric/electronic nicotine delivery systems (ENDS) are disclosed. The formulations disclosed contain both nicotine at relatively much higher concentrations, typically at least 25% by weight of total formulation weight, w/w, and in many cases as much as 40-50% w/w, than is typical for conventional nicotine containing formulations, which only contain about 2-4% w/w nicotine. The formulations of the present invention additionally include a biologically and pharmaceutically acceptable mono- or di-carboxylic organic acid, such as benzoic acid, salicylic acid and most preferably lactic acid also at relatively high w/w concentrations. By including an acid in the formulation, one or more nicotine salts may be created and be extant within the formulations of the present invention, and this not only mitigates against the loss of nicotine to the atmosphere through natural volatility and evaporation, but also markedly increases the surface energy of the formulations thus created, meaning the globules of formulations deposited on a heating substrate are much more cohesive and much less likely to migrate through wetting over the substrate.



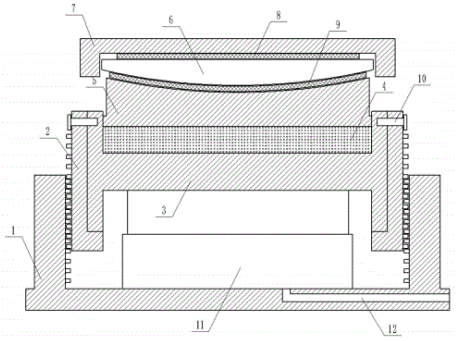
21: 2023/06926. 22: 2023/07/07. 43: 2024/02/14
51: C11B
71: Guizhou Longzibao Biotechnology Co., Ltd
72: Yang Jing, LIU Shuibo
33: CN 31: CN202310544803.2 32: 2023-05-15
54: ANTI-AGING AND ANTI-TUMOR ROSA ROXBURGHII PUREE FOR EXTRACTING SOD.VC, AND PREPARATION METHOD THEREOF
00: -
The invention discloses an anti-aging and anti-tumor Rosa roxburghii puree for extracting SOD.VC, and a preparation method thereof. The required raw materials include the following components in parts by weight: Product A: 100~200 parts of Rosa roxburghii fruit, 3%~5% active dry yeast, 3~5 parts of cellulase, 5~7 parts of pectinase, 3~5 parts of royal jelly, 2~3 parts of tea polyphenols, 1~3 part (s) of citric acid, 8~10 parts of sugar, and 30~50 parts of deionized water; the invention relates to the technical field of Rosa roxburghii puree. For the anti-aging and anti-tumor Rosa roxburghii puree for extracting SOD.VC, and the preparation method thereof, Rosa roxburghii fruit is subjected to wave crushing first, then SOD.VC is extracted by ravensara aromatica extract and auxiliary raw materials are added, and finally the anti-aging and anti-tumor Rosa roxburghii puree with SOD.VC is

obtained. In this way, the extraction content of SOD.VC can be effectively increased; a matching scheme suitable for personnel is obtained through detection and comparative study so as to improve the comprehensive performance.



21: 2023/06929. 22: 2023/07/10. 43: 2024/01/23
51: E01D
71: Henan Pingdingshan Tianhong Road and Bridge Engineering Co., Ltd., Wuhan Huazhong University of Science and Technology Testing Technology Co., Ltd
72: ZHANG, Jianxun, LI, Peidong, KE, Gaoguo, GUO, Baoting, WANG, Pengfei, HU, Nana, NIU, Xiaoke, SU, Haitao, WEI, Shuailing, ZHANG, Qiankun, LI, Yang, XIE, Liudan, PENG, Yingzhan, CHEN, Shangzhi, MENG, Yakun, XU, Yuan, CHEN, Bingwei, YANG, Xiaojun, WANG, Yuanhao, BAO, Lei, LI, Xiaodong, DAI, Yingjie, HU, Tuanwei, HUANG, Wei, CHEN, Yufei
54: LARGE-STROKE ADJUSTABLE SUPPORT
00: -

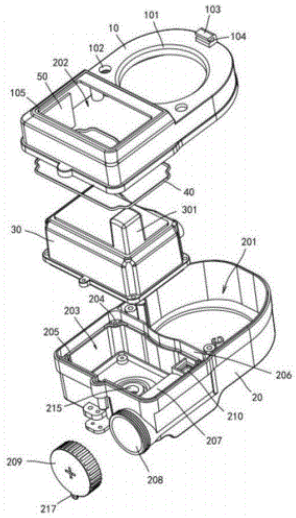
Provided is a large-stroke adjustable support, relating to the technical field of bridge engineering. The support includes a lower support plate fixedly disposed at a top of a bridge pier, a height-adjusting mechanism disposed in the lower support plate, a pressure-bearing rubber plate fixedly disposed in a containing slot, a middle steel linear plate fixedly disposed in the containing slot and located above the pressure-bearing rubber plate and an upper support plate located above a tractor and fixedly disposed at a bottom of a bridge beam; the height-adjusting mechanism includes a supporting member, the height-adjusting mechanism can drive the supporting member to reciprocate up and down, and the containing slot is formed in the supporting member; the tractor is universally connected above the middle steel linear plate; and a plane sliding plate is disposed between the tractor and the upper support plate.



21: 2023/06930. 22: 2023/07/10. 43: 2024/01/23
51: A23L
71: Zhongkai University of Agriculture and Engineering
72: Qin WANG, Dengle DUAN, Wenhua YANG, Sheng HUANG, Zhiqiang FENG, Ruanbing ZHANG
33: CN 31: 2023105212566 32: 2023-05-09
54: PRESERVED VEGETABLE EXTRACT AND EXTRACTION METHOD AND APPLICATION THEREOF
00: -

The present application provides a preserved vegetable extract and an extraction method and application thereof. During extraction, cut-up dry preserved vegetable is firstly immersion-washed with ascorbic acid solution and then evaporated with vinegar. The fumigated dry preserved vegetable is frozen at a low temperature and then ground into preserved vegetable powder, and it is immersed in ascorbic acid-acetic acid solution and stirred in a microwave environment. Anhydrous calcium chloride and dichloromethane are added, ultrasonic-assisted extraction is performed, and suction-filtration is performed with a Buchner funnel. An initial extract obtained by concentrating extracting solution is eluted with a C18 column, an eluent is collected and concentrated to dryness, then it is precipitated with alcohol, and filtered after the suction-filtration by the Buchner funnel. A filtrate obtained by filtration is subjected to a column chromatography, it is dialyzed to desalt after concentration and freeze-dried, to obtain the preserved vegetable extract.

21: 2023/06931. 22: 2023/07/10. 43: 2024/01/23
51: G01F
71: Ningbo Jiangbei Water Meter Factory
72: YANG, Zhongfang, YANG, Lu
33: CN 31: 202211354574 32: 2022-09-19
54: MULTIFUNCTIONAL WATER METER BOX
00: -
Disclosed is a multifunctional water meter box, including a meter box body being mounted on a basic meter of a water meter, wherein a division plate is arranged in the meter box body to separate the inner space of the meter box body into a first accommodation space and a second accommodation space, and the first accommodation space is configured to accommodate a meter reading end of the basic meter of the water meter; and an accommodation box, where the accommodation box is configured to plastically package a control mainboard, the accommodation box is arranged in the second accommodation space, and the accommodation box is hermetically connected to the meter box body. The present invention can improve the sealing property of the water meter box and prevent electronic components of a smart water meter from being affected with damp.



21: 2023/06932. 22: 2023/07/10. 43: 2024/01/23
51: A23L
71: Zhongkai University of Agriculture and Engineering
72: Qin WANG, Dengle DUAN, Wenhua YANG, Sheng HUANG, Zhiqiang FENG, Ruanbing ZHANG
33: CN 31: 2023105212462 32: 2023-05-09
54: METHOD FOR PROCESSING PRESERVED VEGETABLE
00: -
The present application belongs to the technical field of food processing, and specifically relates to a method for processing a preserved vegetable. The method for processing the preserved vegetable is as follows: fresh Chinese mustard is washed, drained, blanched, dried, steamed, and then put into a salting tank; salt and treatment solution are added, and it is fermented at a temperature of 10~25C for 10 days; after being salted, it is picked up, water is added for pulse treatment, and then it is soaked for 20~30 min, it is picked up, drained and freeze-dried in vacuum, to obtain the preserved vegetable. Moreover, the preserved vegetable prepared by the present application remains unchanged in color, appears light green, is rich in taste, and has good rehydration capability, so it is an ideal method for processing the preserved vegetable.

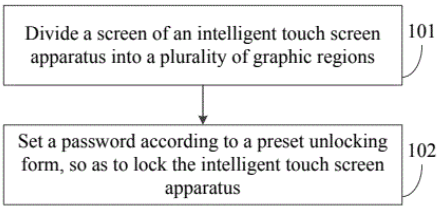


21: 2023/06933. 22: 2023/07/10. 43: 2024/01/23
51: G06F
71: Leshan Normal University
72: Yan SUN, Tao MEN, Bin LI, Guihong ZHANG, Lin LI

54: PASSWORD LOCKING METHOD, PASSWORD UNLOCKING METHOD AND PASSWORD LOCKING AND UNLOCKING METHOD FOR INTELLIGENT TOUCH SCREEN APPARATUS

00: -

Discloses are a password locking method, a password unlocking method and a password locking and unlocking method for an intelligent touch screen apparatus. The locking method includes: dividing a screen of the intelligent touch screen apparatus into a plurality of graphic regions; making the graphic regions have the same size and shape; making one graphic region correspond to one character; setting a password according to a preset unlocking form, so as to lock the intelligent touch screen apparatus; when the preset unlocking form is character and random pattern password unlocking, touching a preset number of graphic regions to obtain a first character password; when the preset unlocking form is character and fixed pattern unlocking, sequentially touching a preset number of continuous graphic regions to obtain a fixed pattern password, and determining the characters corresponding to the graphic regions in the fixed pattern password as second character passwords.

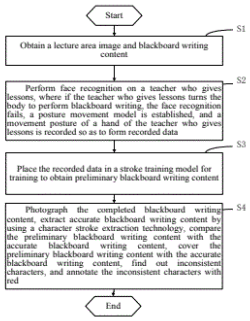


21: 2023/06934. 22: 2023/07/10. 43: 2024/01/23
51: H04N
71: Leshan Normal University
72: Tao MEN, Yan SUN, Yuting MA, Yiyu GU, Xingcheng LI, Lingqi CHEN

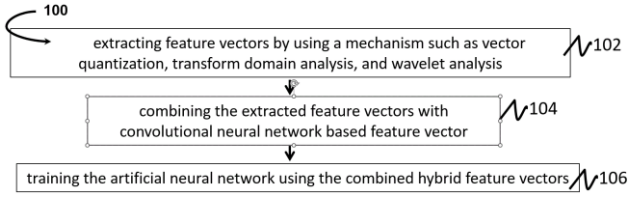
54: INTELLIGENT PHOTOGRAPHING METHOD FOR MICRO-COURSE TRACKING

00: -

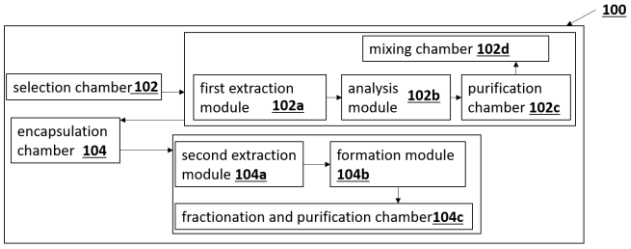
Disclosed is an intelligent photographing method for micro-course tracking. The method includes the steps: obtaining a lecture area image and blackboard writing content; performing face recognition on a teacher who gives lessons, where if the teacher who gives lessons turns the body to perform blackboard writing, the face recognition fails, a posture movement model is established, and a movement posture of a hand of the teacher who gives lessons is recorded so as to form recorded data; placing the recorded data in a stroke training model for training to obtain preliminary blackboard writing content; and photographing the completed blackboard writing content, extracting accurate blackboard writing content by using a character stroke extraction technology, comparing the preliminary blackboard writing content with the accurate blackboard writing content, covering the preliminary blackboard writing content with the accurate blackboard writing content, finding out inconsistent characters, and annotating the inconsistent characters with red.



21: 2023/06938. 22: 2023/07/10. 43: 2024/01/24
51: G06F
71: Finolex Academy of Management and Technology, Geetanjali Nilesh Sawant, Dr. Vinayak Ashok Bharadi, Dr. Kaushal Kamaleshwar Prasad, Pravin Surtaram Jangid
72: Geetanjali Nilesh Sawant, Dr. Vinayak Ashok Bharadi, Dr. Kaushal Kamaleshwar Prasad, Pravin Surtaram Jangid
54: A METHOD AND SYSTEM FOR GENERATING AND CLASSIFYING A HYBRID FEATURE VECTOR FOR BIOMETRIC RECOGNITION
00: -
The present disclosure relates to a method and system for generating and classifying a Hybrid Feature Vector for Biometric Recognition. More particularly, in the present disclosure, a technique is provided where a fusion of Kekre's Median Codebook Generation (KMCG), Kekre's Fast Codebook Generation (KFCG) and CNN-Based Feature vectors is carried out to increase the accuracy with reduced memory time and learning time. In the present disclosure, feature vectors are first extracted through a Mechanism such as Vector Quantization, Transform Domain analysis, and Wavelet Analysis, which are then combined with CNN based feature vector, and finally the resultant feature vectors are used for training artificial neural network. This way, the accuracy of CNN's custom filters is increased for feature extraction resulting in improved overall accuracy of classification.

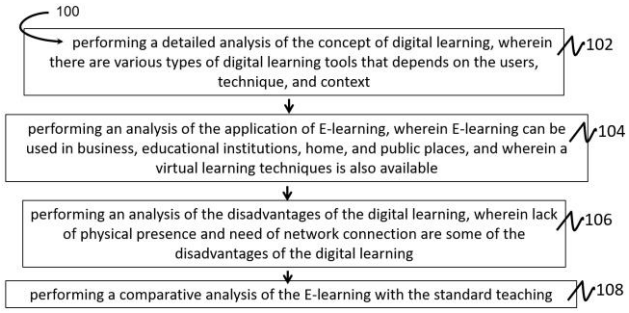


21: 2023/06939. 22: 2023/07/10. 43: 2024/01/24
51: A61K
71: Dr. Bimal Prasanna Mohanty
72: Dr. Bimal Prasanna Mohanty, Prof. Dr. Sasmita Mohanty, Dr. Satabdi Ganguly, Dr. Arabinda Mahanty, Dr. Tandrima Mitra, Dr. Basanta Kumar Das
54: A SYSTEM FOR PRODUCTION OF OMEGA-3 CAPSULES FROM FISH OFFAL
00: -
A system (100) for Production of Omega-3 Capsules from Fish Offal, comprises of: a selection chamber (102) for selecting fish inedible offal with highest yield of Omega 3 PUFAs by a GC-MS analysis, comprises of: a first extraction module (102a) for extracting oil from the fish offal to prepare FAME; an analysis module (102b) for analyzing the omega 3 PUFA to obtain the offal with the highest yield; a purification chamber (102c) for purifying extracted omega-3 oils to remove impurities; and a mixing chamber (102d) for mixing the purified omega-3 oils with anti-oxidants; an encapsulation chamber (104) for preparing omega 3 capsules from the selected fish inedible offal; a second extraction module (104a) for extracting lipids from the selected fish offal by a fat extraction technique; and a formation module (104b) for forming omega-3 capsules upon fractionation and purification of the PUFAs.



21: 2023/06940. 22: 2023/07/10. 43: 2024/01/24
51: G09B
71: Dr. Deepanjali Mishra
72: Dr. Deepanjali Mishra
54: A METHOD FOR ANALYZING THE IMPLICATIONS OF E-LEARNING EDUCATION
00: -
The present disclosure relates to a method for analyzing the implications of E-learning education. The present disclosure aims at understanding about e-learning, its role and impact on education. Furthermore the present disclosure also aims at performing a comparative analysis between E-learning and traditional method of learning. The analysis revealed that that E-learning involves the employment of digital tools for teaching and learning.

Furthermore it has been revealed that Students are coached, given information, and encouraged to cooperate while also exchanging and respecting radically different points of view. It facilitates communication and strengthens the bonds that support learning. In order for schools, administrators, and students to fully profit from e-learning's adoption and implementation, it is necessary to implement it in educational activity, according to the analysis of its advantages and disadvantages.



21: 2023/06942. 22: 2023/07/10. 43: 2024/01/24
51: A01M
71: Dr. Amrut Gunwantrao Gaddamwar, Dishita Amrut Gaddamwar, Kalyani Amrut Gaddamwar, Dr. Sandip Rameshwarrao Kelode
72: Dr. Amrut Gunwantrao Gaddamwar, Dishita Amrut Gaddamwar, Kalyani Amrut Gaddamwar, Dr. Sandip Rameshwarrao Kelode

54: A NATURAL INGREDIENTS FORMULATION FOR DEVELOPING A MOSQUITO REPELLENT LAMP

00: -

The present disclosure relates to a natural ingredients formulation for developing a mosquito repellent lamp. More specifically, the present invention pertains to natural ingredients that include six natural chemicals as a substrate that incorporate insecticide or fragrance and can be utilized as a standard lamp or a lamp that repels mosquitoes, depending on the application. The natural ingredients that are used in the present disclosure are, crude neem oil having 30 to 40 % by weight, 20-40% by weight of crude soybean oil, 10-15% by weight of tulsi oil, 1.5 to 4 % by weight of loban resin, 1 to 1.5 % by weight of camphor, and 1 to 1.5 % by weight rar. The current invention also pertains to a method of preparing the suggested substrate and lamp.

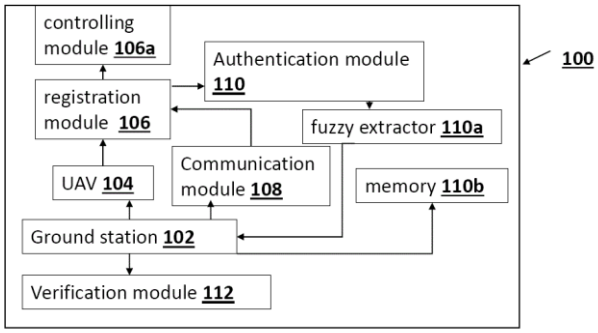
S. NO	Ingredient	Amount
1	crude neem oil	30 to 40 % by weight
2	crude soybean oil	20 to 40% by weight
3	tulsi oil	10 to 15% by weight
4	loban resin	1.5 to 4 % by weight
5	camphor	1 to 1.5 % by weight
6	rar	1 to 1.5 % by weight

21: 2023/06943. 22: 2023/07/10. 43: 2024/01/24
51: B64C
71: Dr. Sachin Kumar Gupta, Dr. Vivek Sharma, Dr. Sudakar Singh Chauhan, Lalit Singh Garia, Dr. Ajit Singh, Rashi Rastogi, Dr. Vijay Kumar Sharma, Dr. Chander Diwakar, Vijay Hasanpuri
72: Dr. Sachin Kumar Gupta, Dr. Vivek Sharma, Dr. Sudakar Singh Chauhan, Lalit Singh Garia, Dr. Ajit Singh, Rashi Rastogi, Dr. Vijay Kumar Sharma, Dr. Chander Diwakar, Vijay Hasanpuri

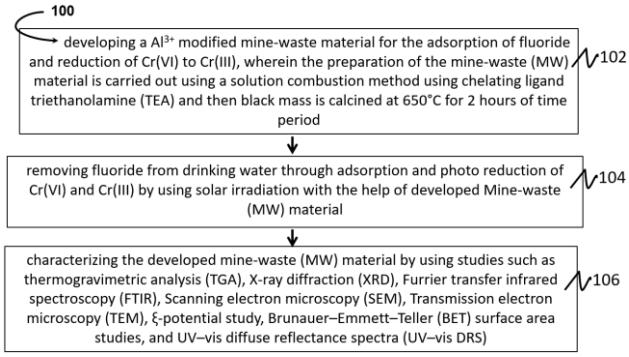
54: A PHYSICAL UNCLONABLE FUNCTIONS (PUF)-BASED LIGHTWEIGHT AUTHENTICATION SYSTEM FOR UNMANNED AERIAL VEHICLE (UAV-IOT) GROUND NETWORK

00: -

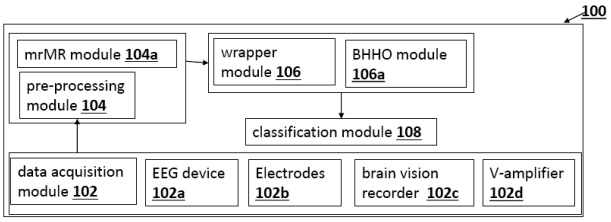
A PUF-based Lightweight Authentication system (100) for UAV-IoT Ground Network, comprises of: an IOT based ground station (102) for managing the UAVs (104) to establish a separate domain upon registering with a control server; a registration module (106) to register a new UAV-assisted IOT ground network upon acquiring identity of the UAV (104), wherein the identity is sent to the ground station (102), wherein the registration module (106) comprises of: a controlling module (106a) for receiving the identity to produce a first challenge and a pair of pseudonym identities, wherein the UAV (104) applies the produced first challenge to the PUF to generate a response; and an authentication module (110) for initiating authentication upon retrieving the challenge and generating the PUF response, wherein the UAV (104) checks a security measure to enhance security of the operation and authenticate with the ground station (102).



21: 2023/06944. 22: 2023/07/10. 43: 2024/01/24
51: C25B
71: TECHNO INDIA UNIVERSITY, WEST BENGAL
72: Dr. Prasanta Dhak, Arnab Mukherjee, Dr. Debasis Dhak, Manideepa Chakraborty
54: A METHOD FOR FLUORIDE ADSORPTION AND PHOTOREDUCTION OF CR(VI) USING AL3+ MODIFIED MINE-WASTE
00: -
The present disclosure relates to a method for fluoride adsorption and photoreduction of Cr(VI) using Al3+ modified mine waste. More particularly, first an investigation is carried out to find the possible influence of fluoride contamination in the ground water around the location of Beldih phosphate mine, and then develop a Al3+ chemically modified mine-waste (MW) material for the removal of fluoride from ground water and reduction of Cr(VI) and Cr(III) using kinetic, isotherm, pH, mechanistic and reuse studies, wherein three different MW material denoted as MW0, MW1, and MW2 are synthesized and then characterized. The results showed that the material MW2 has the highest fluoride removal efficiency along with the photoreduction ability, wherein the MW2 have the MW:Al3+ ratio of 1:2 w/w%.



21: 2023/06945. 22: 2023/07/10. 43: 2024/01/24
51: A61B
71: Munipala Ramesh, Damodar Reddy Edla, Kuna Venkateswararao, Modi Tejas Maheshbhai, Dr. Priyank Jain, Sreedevi Chikkudu
72: Munipala Ramesh, Damodar Reddy Edla, Kuna Venkateswararao, Modi Tejas Maheshbhai, Dr. Priyank Jain, Sreedevi Chikkudu
54: A SYSTEM AND METHOD FOR OBTAINING BALANCED ELECTROENCEPHALOGRAPHY (EEG) SIGNALS BASED ON AN OPTIMIZATION TECHNIQUE
00: -
A system (100) and method (200) for obtaining balanced Electroencephalography (EEG) signals, comprises of: a data acquisition module (102) for acquiring raw EEG signals from a source; a pre-processing module (104) for filtering the acquired raw EEG signals by separating redundant and unnecessary channels by minimum redundancy, maximum relevance (mrMR) module (104a) to obtain a reduced EEG feature dataset; a wrapper module (106) for processing the reduced feature EEG dataset by implementing the EEG channel subset group feeds to determine a closest EEG optimal channel subset by Binary Harris Hawks Optimization (BHHO) module (106a); and a classification module (108) for classifying the optimal channel data into a plurality of classes to improve performance and accuracy, wherein a '0' value indicates guilty class and a '1' value indicates innocent class.

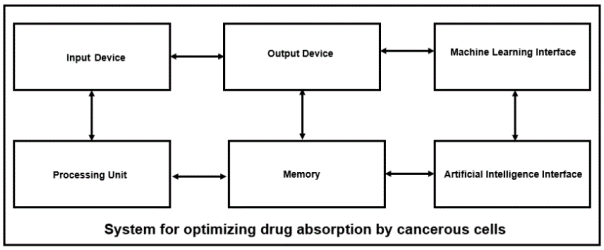


21: 2023/06946. 22: 2023/07/10. 43: 2024/01/23
51: A61K
71: Mrs. R.Devi, Dr. Sachin Kumar Dnyaneshwar Gunjal, Dr. Lubhan Singh, Dr. Rupesh Kumar Pandey, Dr. Raja Rajeswari Kamisetti, Dr. Chinmaya Mahapatra, Mr. Rajeswar Das, Mr.Darla Raju, Dr. Pankaj Kumar, Mr. Satyabrata Jena
72: Mrs. R.Devi, Dr. Sachin Kumar Dnyaneshwar Gunjal, Dr. Lubhan Singh, Dr. Rupesh Kumar Pandey, Dr. Raja Rajeswari Kamisetti, Dr. Chinmaya Mahapatra, Mr. Rajeswar Das, Mr. Darla Raju, Dr. Pankaj Kumar, Mr. Satyabrata Jena
33: IN 31: 202341032341 32: 2023-05-08

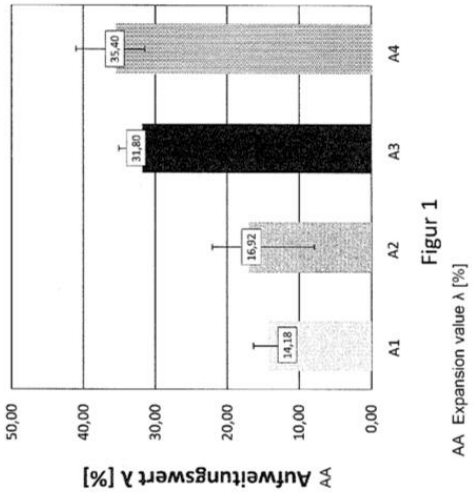
54: A NANOPARTICLE-BASED DRUG DELIVERY SYSTEM FOR TARGETED TREATMENT OF CANCER
00: -
The present invention discloses a Nanoparticle-based drug delivery system for targeted treatment of cancer. The nanoparticle-based drug delivery system comprises nanoparticles with a diameter of 10-100 nm, functionalized with ligands or antibodies that selectively bind to cancer cells. Nanoparticles can be made of biocompatible materials such as lipids, polymers, or metals. The ligands or antibodies on the surface of the nanoparticles can be selected based on the type of cancer being targeted. For example, if the cancer cells overexpress a specific receptor, the nanoparticles can be functionalized with a ligand that binds to that receptor. The anti-cancer drug can be encapsulated within the nanoparticles using various methods such as covalent conjugation, physical adsorption, or encapsulation within a polymer matrix. The drug can be a chemotherapeutic agent, a small molecule inhibitor, or a nucleic acid-based drug.

21: 2023/06947. 22: 2023/07/10. 43: 2024/01/23
51: B22F
71: Dr. S.V.A.R.Sastry, Dr. Shravan Kumar, Dr. Anjali Awasthi, Ms. Mansi Tiwari, Ms. Vartika Nishad
72: Dr. S.V.A.R.Sastry, Dr. Shravan Kumar, Dr. Anjali Awasthi, Ms. Mansi Tiwari, Ms. Vartika Nishad
33: IN 31: 202311032905 32: 2023-05-10
54: A NOVEL NANOPARTICLE-BASED COATING COMPOSITION FOR CORROSION RESISTANCE AND METHOD THEREOF
00: -
The present invention discloses a novel nanoparticle-based coating composition for corrosion resistance and method thereof. Nanoparticles of one or more metals, metal oxides, or metal salts, having an average particle size of less than 100 nm and present in the coating composition in an amount of 0.1 to 10% by weight; and a binder, which can be any suitable organic or inorganic material, including polymers, resins, or ceramics. A solvent which dissolved or dispersed the binder and nanoparticles; wherein the coating composition can be applied to metallic surfaces using conventional coating methods, such as spraying, brushing, or dipping, and can be cured at room temperature or elevated temperature, depending on the binder used in the composition, forming a dense and uniform layer on the metallic surface, which provides excellent corrosion resistance. Further, the binder contains 0.5-25 wt% (based on paint solids) primary nano-scale particles which can be incorporated as solid, produced by jet dispersion of nano-scale particles into the binder.

21: 2023/06948. 22: 2023/07/10. 43: 2024/01/23
51: G01N
71: Dr. Darshanam Vijaykumar, Dr. Sachin Kumar Dnyaneshwar Gunjal, Mr. Darla Raju, Dr. Joan Dsouza, Dr. Hara Prasad Mishra, Dr. Pratap Kumar Patra, Dr. Chinmaya Mahapatra, Dr. Sandhya Jaiswal, Ms. Anmol Dhawande, Mr. Satyabrata Jena
72: Dr. Darshanam Vijaykumar, Dr. Sachin Kumar Dnyaneshwar Gunjal, Mr. Darla Raju, Dr. Joan Dsouza, Dr. Hara Prasad Mishra, Dr. Pratap Kumar Patra, Dr. Chinmaya Mahapatra, Dr. Sandhya Jaiswal, Ms. Anmol Dhawande, Mr. Satyabrata Jena
33: IN 31: 20234129322 32: 2023-04-23
54: A SYSTEM FOR OPTIMIZING DRUG ABSORPTION BY CANCEROUS CELLS USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
00: -
The present invention discloses a system for optimizing drug absorption by cancerous cells using artificial intelligence and machine learning. In the present invention, an Artificial Intelligence and Machine Learning based interface for testing tumour cells of a patient in an assay for chemotherapeutic agent effects on cellular phenotype, identifying presence or absence of a genetic trait associated with chemotherapeutic agent resistance, and using the data gathered from the previous processes to determine the efficacy of the chemotherapeutic agent. Further, deciding on the best chemotherapeutic agent and procedure for a diagnostic kit and employing the diagnostic kit in a drug clinical trial with the selected reagents and protocol and providing the diagnostic kit using the same or very similar reagents and protocol.

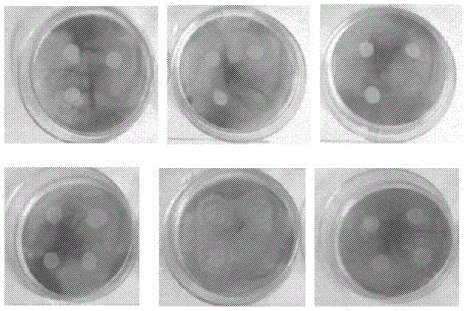


21: 2023/06957. 22: 2023/07/10. 43: 2024/01/29
51: B21D; C21D; C22C
71: SALZGITTER FLACHSTAHL GMBH
72: PALZER, Peter, GEORGEOU, Zacharias
33: DE 31: 10 2021 101 267.8 32: 2021-01-21
54: METHOD FOR PRODUCING A FORMED COMPONENT FROM A STEEL BLANK, USE OF SUCH A COMPONENT, AND CORRESPONDING BLANK AND COMPONENT
00: -
The invention relates to a method for producing a component from a blank made of a medium manganese steel having 4 to 12 wt.% Mn and a TRIP effect at room temperature, in which method the blank is mechanically cut to make a prepared blank having the desired dimensions, cut edges are produced on the prepared blank by means of mechanical cutting, and the prepared blank with the cut edges is cold-formed to obtain the component at room temperature or at a temperature above room temperature but below 60°C. The method is distinguished by cost-effective production, improved formability with reduced cracking at the formed cut edges, while simultaneously reducing the forming forces. According to the invention, the mechanical cutting is performed at a pre-heating temperature in the range of 60°C to less than 250°c



Figur 1

21: 2023/06963. 22: 2023/07/10. 43: 2024/01/29
51: A61K; A61Q
71: DENCARE (CHONGQING) ORAL CARE CO., LTD.
72: GONG, Jingyu, ZHANG, Min, DENG, Quanfu, ZHANG, Hong, CHEN, Feng, DENG, Rong
33: CN 31: 202111044055.9 32: 2021-09-07
54: COMPOSITION HAVING GOOD BIOCOMPATIBILITY AND USE THEREOF IN ORAL PRODUCTS
00: -
A composition having good biocompatibility. The composition comprises the following components, in percentages by weight: 0.5-4% of a surfactant and 1-3.5% of strontium salt. An oral product prepared from the composition further comprises a matrix, wherein the matrix comprises a humectant, an abrasive, a thickener, a surfactant, a sweetening agent, a preservative and an aroma regulator, with the balance being water. A preparation method comprises the following steps: adding a humectant, then adding a thickener and stirring same until uniform, then adding a sweetening agent and a preservative, then adding a composition having good biocompatibility and fully stirring same, then adding an abrasive and water and stirring same until uniform, then adding an aroma regulator and fully stirring same, and vacuum degassing same to finish the production of a toothpaste. The oral product has good biocompatibility and an excellent dentin sensitivity treatment effect.

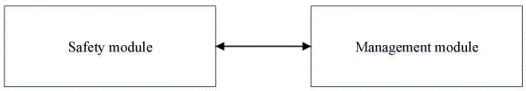


21: 2023/06964. 22: 2023/07/10. 43: 2024/01/29
51: A61K; A61Q
71: DENCARE (CHONGQING) ORAL CARE CO., LTD.
72: TANG, Weiyue, ZHANG, Huan, DENG, Quanfu, DONG, Haide, LIU, Li, DENG, Rong
33: CN 31: 202110120604.X 32: 2021-01-28
54: ANTI-SENSITIVE TOOTHPASTE CAPABLE OF ENHANCING FLUORINE ACTIVITY
00: -
The present invention relates to the technical field of oral care products, and in particular, to an anti-sensitive toothpaste capable of enhancing fluorine activity. The raw materials comprise a friction agent, a thickener, a fluoride, and a buffer agent; the buffer agent comprises sodium bicarbonate and sodium carbonate. According to the solution, the technical problem in the prior art that soluble fluorine in a fluorine-containing toothpaste of a calcium carbonate matrix is unstable can be solved, long-acting activity of fluorine in the toothpaste is improved, and the wide application of the fluorine-containing toothpaste on anti-sensitivity of teeth and caries prevention is further promoted.

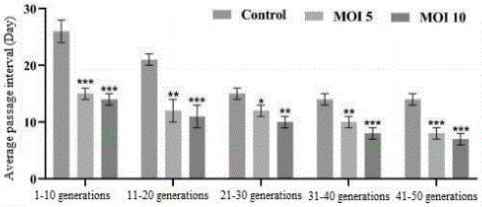
21: 2023/06981. 22: 2023/07/11. 43: 2024/01/23
51: A23L
71: Institute of Food Processing, HAAS
72: ZHOU, Ye, YAN, Song, CHEN, Kaixin, LU, Shuwen, LI, Bo, YAO, Xinmiao, SHEN, Huifang, GAO, Yang, CHEN, Qing
54: BLACK FUNGUS SNACK FOOD AND PREPARATION METHOD THEREFOR
00: -
The present invention provides black fungus snack food and a preparation method therefor, which belong to the technical field of food processing, in particular to a preparation method for black fungus snack food. The preparation method includes: soaking, blanching, mixing oil with and microwave drying black fungi to obtain the black fungus snack food; and adding beta-cyclodextrin when the oil is mixed. On the premise of ensuring integrity of black fungi, the prepared black fungus snack food of the present invention has delicious and crisp taste, and reduces absorption of oral saliva by the black fungus snack food, thus avoiding the problems of rough taste and poor swallowing, and prolonging storage life of the product.



21: 2023/06982. 22: 2023/07/11. 43: 2024/01/23
51: H04L
71: Tianjin Vocational Institute
72: WANG, Xiang
54: INTELLIGENT CONTROL NETWORK SYSTEM
00: -
Provided is an intelligent control network system. The system includes a safety module, which prevents a network attack through intrusion detection; and a management module, which improves reliability and stability of an intelligent control network through fault detection. The safety module provided by the present disclosure may perform behavior analysis on network traffic data and a system log, so as to discover and prevent a network attack behavior in time and improve the safety of the intelligent control network. The management module may realize the dynamic load balance to a service node through a load balance module, so as to avoid overloading of a single service node, thereby improving the service quality and user experience of the intelligent control network.



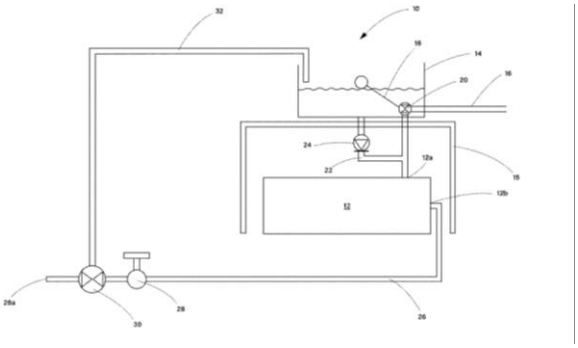
21: 2023/06983. 22: 2023/07/11. 43: 2024/01/23
51: C12N
71: Institute of Highland Forest Science, Chinese Academy of Forestry
72: ZHANG, Xin, MA, Chenjing, LI, Xian, DING, Weifeng, CHEN, Hang, FENG, Ying
54: METHOD FOR EFFICIENTLY ESTABLISHING INSECT CELL LINE
00: -
The present invention relates to the biotechnical field and discloses a method for efficiently establishing an insect cell line, including the following steps: S1, sterilizing an insect body with an alcoholic solution, cleaning the sterilized insect body with sterile water, and absorbing moisture with filter paper; S2, selecting tissues of the insect in S1 under a microscope, and putting the tissues in a PBS solution for conventional cleaning; and S3, transferring the cleaned insect tissues in S2 into a pancreatin solution, cutting the insect into pieces in a centrifuge tube, and performing digestive treatment to obtain an insect cell suspension. By applying the method for efficiently establishing an insect cell line, various insect cell lines are established, and particularly, insect cells of Blattaria and Orthoptera difficult to culture are cultured smoothly, the cells can grow stably in vitro, and the cell lines are established successfully.



21: 2023/06984. 22: 2023/07/11. 43: 2024/01/23
51: A01H
71: Citrus Research Institute of Zhejiang Province
72: HUANG Xiu, KE Fuzhi, NIE Zhenpeng, WANG Luoyun, SUN Lifang, XU Jianguo
54: METHOD FOR IMPROVING UNBAGGING SURVIVAL RATE OF GRAFTED SEEDLINGS OF CITRUS HYBRIDS
00: -
The invention discloses a method for improving the unbagging survival rate of grafted seedlings of citrus hybrids, and belongs to the technical field of citrus hybrid breeding. The method comprises the following steps: grafting the embryo of citrus hybrid seeds on the rootstock, using transparent grafting fingerstall to cover the embryo and the grafting part, sealing and culturing, then releasing the sealing state of the transparent grafting fingerstall, completely removing the transparent grafting fingerstall after continuous culture, and finally spraying moisturizing membrane solution to improve the grafting survival rate of citrus hybrid seedlings. The method provided by the invention can prevent the seedling leaves from losing water and drying up after the transparent grafting fingerstalls are removed, thereby improving the survival rate of the seed embryo grafted seedlings, greatly reducing the dead seed embryo grafted seedlings caused by the seed embryo grafting and unpacking, and having great significance for the actual citrus breeding work.

21: 2023/07001. 22: 2023/07/11. 43: 2024/01/23
51: F24D
71: VAN DEN BOS, Mitch
72: VAN DEN BOS, Mitch
33: ZA 31: 2020/06596 32: 2020-10-23
54: PRESSURE VESSEL SYSTEM
00: -
A pressure vessel system includes: (i) a vessel (12) that: is, during normal operation conditions, under pressure; and defines a vessel outlet (12b); (ii) a primary conduit (16) that, in use, feeds the vessel (12) with liquid under pressure; (iii) a tank (14) that is vented; (iv) a sensor (18) for sensing the volume of liquid in the tank (14); and (v) a first valve (20) that is: associated with the primary conduit (16); and operable by the liquid volume sensor (18) to prevent or restricting liquid flow through the primary conduit (16) when a first predetermined volume of liquid is contained within the tank (14). The tank (14) is in fluid communication with the vessel (12) via a second valve (24) that prevents liquid flow from the vessel (12) to the tank (14), such that, in use, when the first predetermined volume of liquid is contained within the tank (14): (a) the first valve (20) prevents or restricts liquid flow to the vessel (12) via the primary conduit (16); and (b) as liquid is discharged from the vessel (12) via the vessel outlet (12b), the pressure in the vessel (12) reduces and the second

valve (24) permits liquid to flow from the tank (14) into the vessel (12).

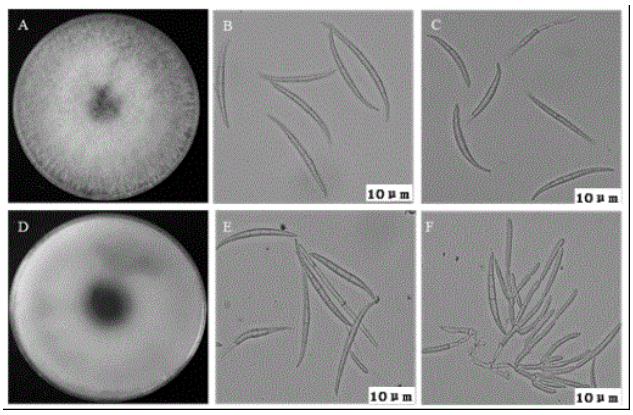


21: 2023/07018. 22: 2023/07/12. 43: 2024/01/23
51: C12N
71: Qinghai Academy of Agriculture and Forestry Sciences
72: ZHU Haixia, MA Yongqiang, CHENG Liang

54: FUSARIUM AVENACEUM AND APPLICATION IN WEEDING

00: -

The invention discloses a Fusarium avenaceum and its application in weeding, belonging to the field of biological control. The preservation number of Fusarium avenaceum is CGMCC No.40606. According to the invention, a plurality of pathogenic bacteria are separated from the leaves of naturally diseased Cirsium arvense var. integrifolium, a dominant strain HY-041 with strong pathogenicity is screened through the experiment of inoculating isolated weeds and potted weeds with bacterial cakes, and the classification status of the strain is determined by using morphological characteristics and molecular biological identification technology; the safety of the strain to the main crops in Qinghai province is evaluated by pot bioassay. The infection mode and pathological changes of Avena fatuas by HY-041 strain are observed, as well as the ultrastructural changes of Avena fatua after infection. According to the invention, a biocontrol strain with broad-spectrum and high-efficiency weeding activity is screened, which provides an important basis for the research, development and utilization of novel and high-efficiency microbial herbicides.

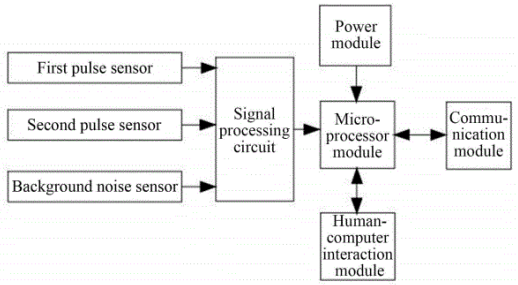


21: 2023/07019. 22: 2023/07/12. 43: 2024/01/23
51: A61B; A61N; B65H
71: AFFILIATED HOSPITAL OF SHANDONG UNIVERSITY OF TRADITIONAL CHINESE MEDICINE
72: JIANG, Feng, WANG, Youhui, XIN, Laiyun, LI, Yunlun

54: INTELLIGENT HYPERTENSION DETECTION DEVICE

00: -

Provided is an intelligent hypertension detection device, including a wristband body, where the detection device further includes a first pulse sensor and a second pulse sensor, which are located in the wristband body and used for collecting pulse information of human bodies; the first pulse sensor and the second pulse sensor are connected to a signal input end of a signal processing circuit, and an output end of the signal processing circuit is connected to a signal input end of a microprocessor module; a communication module is in two-way connection with the microprocessor module for data interaction through a wireless network and an intelligent terminal; and human body blood pressure information is obtained after the microprocessor model processes the pulse information collected by the first pulse sensor and the second pulse sensor.

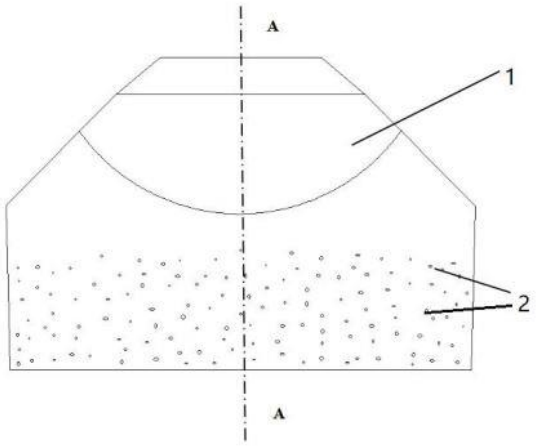


21: 2023/07022. 22: 2023/07/12. 43: 2024/01/24
51: B01J
71: ZHUZHOU CEMENTED CARBIDE GROUP CO., LTD.
72: KONG, Defang, YAO, Xiongzhi, ZHAO, Haolin, HE, Jikun
33: CN 31: 202210822661.7 32: 2022-07-12

54: IMPACT-RESISTANT CEMENTED CARBIDE HEXAHEDRAL ANVIL AND PREPARATION METHOD AND USE THEREOF

00: -

The present invention puts forward an impact-resistant cemented carbide hexahedral anvil and preparation method and use thereof. The cemented carbide hexahedral anvil comprises an upper matrix material and a lower matrix material containing ductile particles; wherein the upper matrix material forms an upper part of the hexahedral anvil, and the lower matrix material containing ductile particles forms a lower part of the hexahedral anvil. In the upper matrix material, a cobalt content is of 6-10 wt%, a total content of inhibitor Cr_3C_2 and VC is of 0.2-0.5 wt%, and a tungsten carbide content is of a balance amount, the tungsten carbide having a grain size of 0.6-1.2 μm. In the ductile particles, a cobalt content is of 8-15 wt%, a total content of inhibitor Cr_3C_2 and VC is of 0.2-0.5 wt%, and a tungsten carbide content is of a balance amount, the tungsten carbide having a grain size of 0.6-2.0 μm; and a fracture toughness of the ductile particles is higher than a fracture toughness of the upper matrix material by 1-10 MPa*m½. The impact-resistant cemented carbide hexahedral anvil of the present invention is added with the ductile particles, which have a lower hardness and a higher toughness as compared to the upper matrix material, so as to improve the impact resistance of the anvil and effectively reduce anvil consumption during blasting.

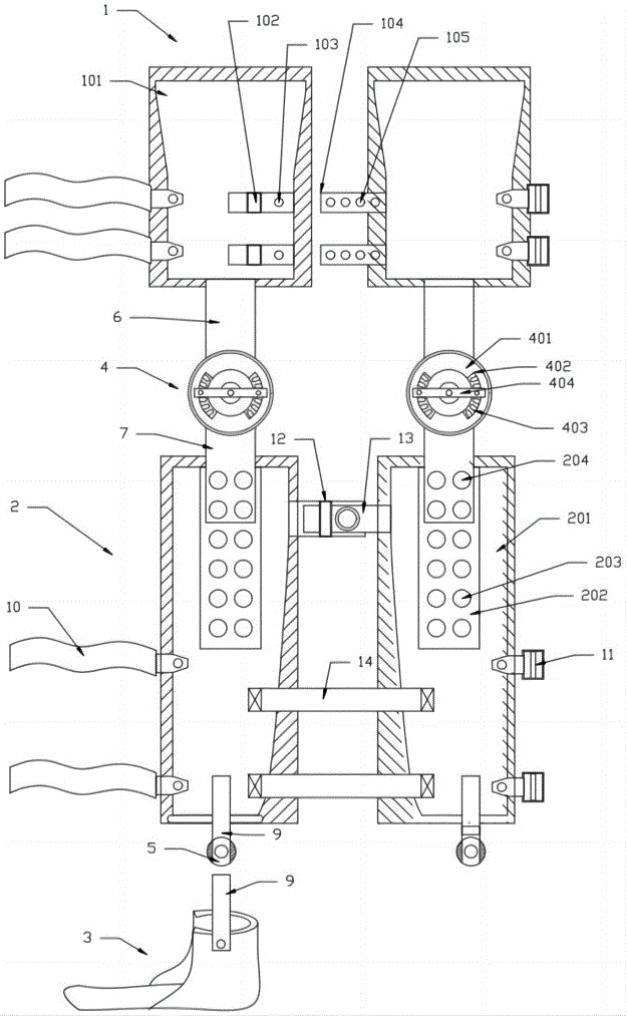


21: 2023/07023. 22: 2023/07/12. 43: 2024/01/23
51: A63B
71: Xinyu University
72: Qi LI
33: CN 31: 202210834577.7 32: 2022-07-14

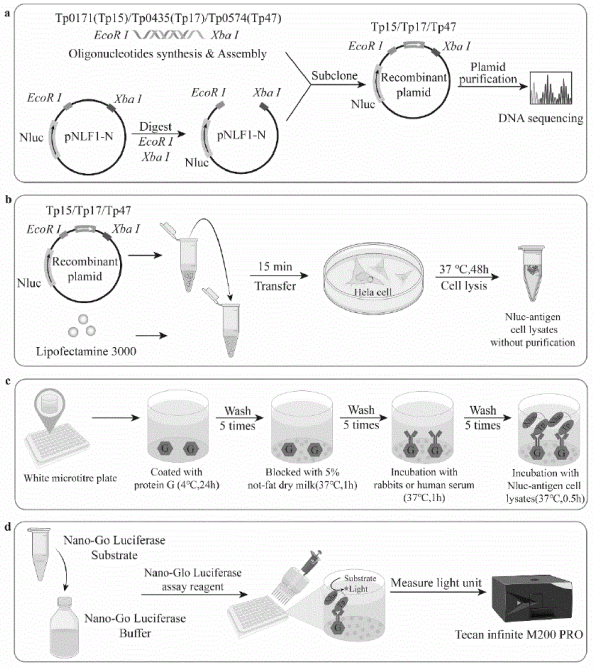
54: A WALKING AID FOR MEDICINE REHABILITATION OF JOINT MOVEMENTS

00: -

The present invention discloses a walking aid for medical rehabilitation of joint movements, including a thigh fixed device, a calf fixed device and an ankle fixed device, there is a regulator between the thigh fixed device and the calf fixed device and a connector is set between the calf fixed device and the ankle fixed device; the thigh fixed device includes two arc pieces, the calf fixed device includes two long pieces, there is a connecting piece I at the bottom of the arc piece, there is an adjustable connecting piece II above the long piece, the regulator includes circular plates, and both the connecting piece I and the connecting piece II rotate and connect the circular plates, the arc grooves are symmetrically arranged on the circular plates, there are multiple limiting teeth in the arc grooves, a strip-shaped rotating handle is arranged on the circular plates, the bottom of the rotating handle is provided with limiting columns matched with the limiting teeth. Compared with the existing technology, the invention has the advantages: the overall structure is simple, easy to wear off, the angle can be adjusted, and the fixation effect is good.



21: 2023/07046. 22: 2023/07/13. 43: 2024/01/23
51: G01N
71: DERMATOLOGY HOSPITAL , SOUTHERN MEDICAL UNIVERSITY (GUANGDONG PROVINCIAL DERMATOLOGY HOSPITAL , GUANGDONG PROVINCIAL CENTER FOR STI & SKIN DISEASES CONTROL AND PREVENTION , RESEARCH CENTER FOR LEPROSY CONTROL AND PREVENTION , CHINA)
72: KE, Wujian, AO, Cailing, LENG, Xinying, ZHU, Rui, HUANG, Lixia, WU, Jiaxin, HUANG, Nanxuan
33: CN 31: 2023108220282 32: 2023-07-06
54: SYPHILIS DIAGNOSIS AND THERAPEUTIC EFFECT EVALUATION KIT
00: -
The disclosure provides a method for cloning sequences of Tp15, Tp17 and Tp47 into a pNLF1-N vector containing NanoLuc (Nluc) luciferase gene. A recombinant plasmid was expressed in Hela cells to produce nluc-antigen fusion protein. A white microplate coated with protein G binds to primary antibody of rabbit or human serum. Then the nluc-antigen fusion protein was used as a secondary antibody to bind specific IgG antibody against TP15, TP17 or TP47 antigen. Nano-Glo luciferase assay reagent was used in photometer to measure a light unit to reflect an antibody level. It is aimed to evaluate diagnostic value of LISA in syphilis. LISA results are compared with those of TPPA, and TPPA is used as a reference method. In addition, it is discussed whether LISA test can evaluate therapeutic effect of syphilis by detecting antibodies to TP15, TP17 and TP47. The continuous serum samples of 3 rabbits infected with Treponema pallidum in the treatment group and the control group are analyzed. At the same time, 110 paired follow-up serum samples are collected from 55 syphilis patients in a same sexually transmitted disease clinic to evaluate effectiveness of LISA in monitoring therapeutic effect of syphilis.

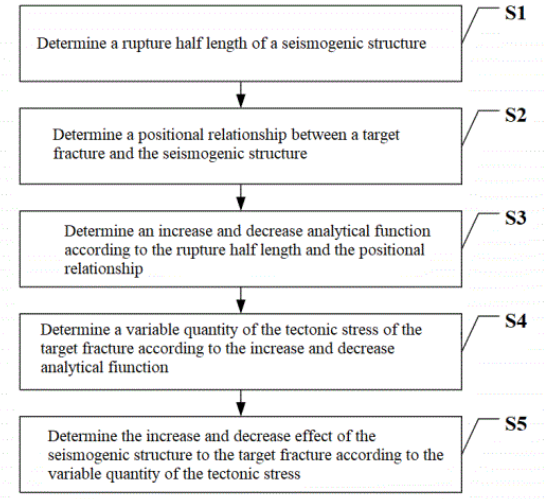


21: 2023/07047. 22: 2023/07/13. 43: 2024/01/23
51: G01V
71: Earthquake Agency of Ningxia Hui Autonomous Region
72: LUO, Guofu, LUO, Hengzhi, LI, Wenjun, YANG, Mingzhi
33: CN 31: 2023106186094 32: 2023-05-29
54: METHOD AND SYSTEM FOR ANALYZING INCREASE AND DECREASE OF LARGE

EARTHQUAKE, AS WELL AS DEVICE AND MEDIUM

00: -

The present invention discloses a method and system for analyzing increase and decrease of a large earthquake, as well as a device and a medium, and relates to the technical field of seismic prospecting. The method includes: determining a rupture half length of a seismogenic structure; determining a positional relationship between a target fracture and the seismogenic structure; determining an increase and decrease analytical function according to the rupture half length and the positional relationship; determining a variable quantity of the tectonic stress of the target fracture according to the increase and decrease analytical function; and determining the increase and decrease effect of the seismogenic structure to the target fracture according to the variable quantity of the tectonic stress. The present invention can be used to analyze the increase and decrease effect of the large earthquake on surrounding regions quantitatively

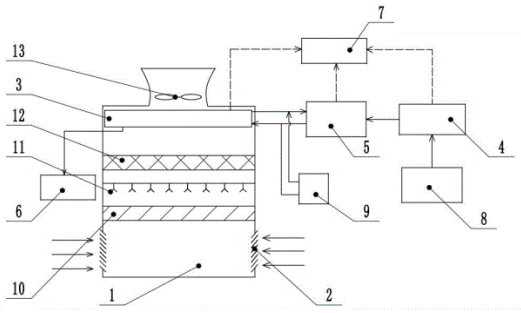


21: 2023/07048. 22: 2023/07/13. 43: 2024/01/23
51: F25B; F28F
71: North China University of Water Resources and Electric Power, Shandong Lanxiang Environmental Technology Co., Ltd., Shandong University
72: WANG, Weishu, XU, Weihui, LI, Long, GAO, Yanshang, CHEN, Gang, GAO, Ming, GUO, Xinwei, WANG, Jie, WANG, Mingyong, ZHANG, Mengyao, SHI, Ke, GUO, Shuai

54: COOLING TOWER STEAM CONDENSATION RECOVERY DEVICE FOR REFRIGERATION USING INDUSTRIAL LOW-TEMPERATURE WASTE HEAT

00: -

The present disclosure discloses a cooling tower steam condensation recovery device for refrigeration using industrial low-temperature waste heat. The device comprises a cooling tower main body, wherein a lower end of the cooling tower main body is provided with an air inlet, an upper end of the cooling tower main body is provided with an air outlet, and a packing part, a spraying mechanism, a water collector and an evaporator are sequentially arranged in the cooling tower main body from bottom to top; the bottom of the evaporator is connected with a pure water collector through a condensed water diversion channel, working medium inlet and outlet pipelines in the evaporator are connected with a refrigeration unit and a cold energy user, the refrigeration unit is connected with a waste heat source carrying generator, the waste heat source carrying generator is connected with a waste heat source.



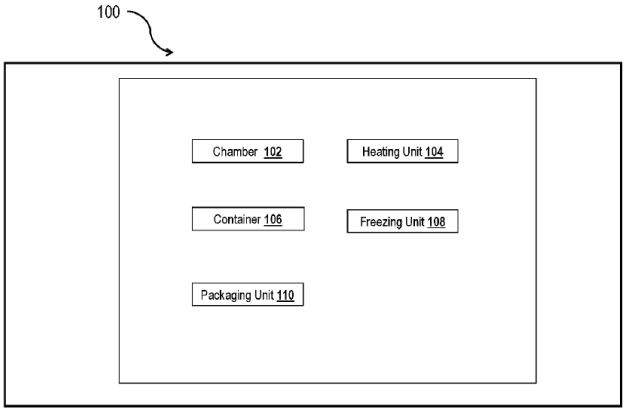
21: 2023/07073. 22: 2023/07/13. 43: 2024/01/29
51: A23F
71: WALTERS BAY HOLDINGS, LLC
72: WIDYARATNE, Hasantha Sanjeewa, UBEYRATNE, Himansi Shamilka
33: US 31: 63/125,016 32: 2020-12-14

54: A CAMELLIA SINENSIS AND VITIS BASED COMPOSITION AND A PROCESS OF PREPARATION THEREOF

00: -

Camellia Sinensis wine composition and processes of preparation thereof are described. The present disclosure provides a blend of Camellia Sinensis (Tea) (dried Camellia Sinensis, which includes, black tea, green tea, white tea, oolong tea, matcha tea and

other various grades and types) and dehydrated Vitis (grape) skins of all Vitis varietals, and the addition of natural and/or artificial flavors is a foundation of disclosed beverage. The blend of mixed dried tea leaves and dehydrated Vitis skins further includes multiple flavors including various herbs and spices in specific mixing ratios to obtain a composition that may be used in a beverage or a foodstuff. Tea antioxidant and Vitis skin resveratrol when mixed will offer a unique beverage high in natural polyphenol content with natural caffeine.

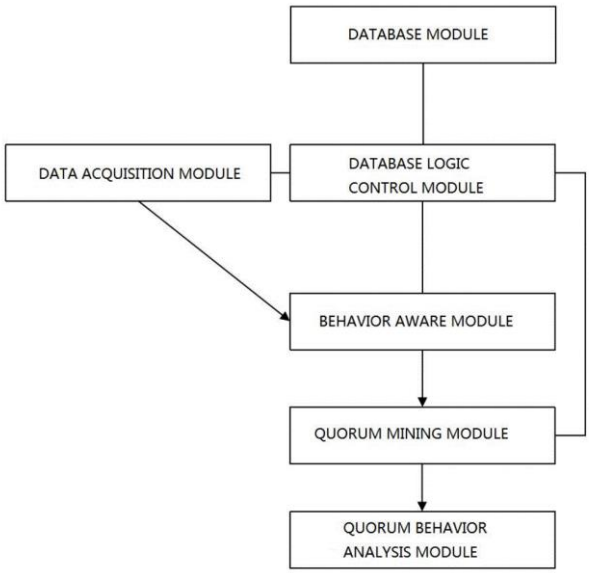


21: 2023/07080. 22: 2023/07/14. 43: 2024/01/24
51: G06Q
71: Suzhou University
72: Zhiwei Zhang

54: A GROUP BEHAVIOR ANALYSIS SYSTEM ORIENTED TO ONLINE SOCIAL MEDIA

00: -

The invention discloses a group behavior analysis system for online social media, belongs tothe technical field of online social media group behavior analysis, and collects media informationof online social media; performing behavior sensing on the media information to obtain behavior features having an influence on the online and offline public opinion.; and mining, on the basis of the acquired behavior features, a dynamic group formed by guiding the behavior features according to the online and offline public opinion.; analyzing the group behavior of the dynamic group according to the change rule of the group situation of the dynamic group by obtaining the dynamic evolution rule of the behavior characteristics of the media information According to the method, the behavior characteristics are coordinated by analyzing the influence of the behavior characteristics of the online social media on the behaviors of other people, so that the groupbehaviors in the online social media are effectively guided, and the participants participate in the specific public opinion needing to be monitored as few as possible, so that the social ecology is guided to develop towards the orderly and healthy direction.



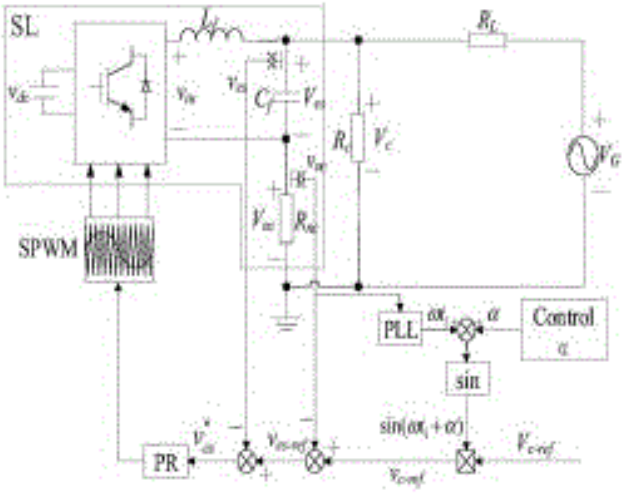
21: 2023/07081. 22: 2023/07/14. 43: 2024/01/24
51: G06Q
71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: CHEN Zaifa
33: CN 31: CN202210828896.7 32: 2022-07-15

54: ELECTRIC SPRING REGULATION SYSTEM AND REGULATION METHOD FACING DEMAND SIDE OF MICROGRID

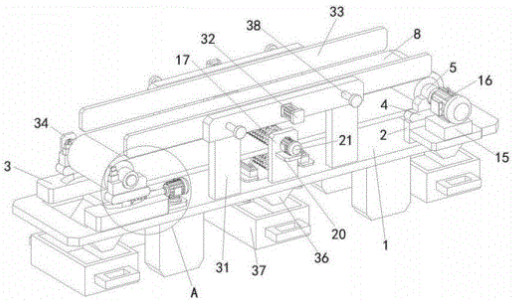
00: -

The invention discloses an electric spring regulation system and a regulation method facing the demand side of a microgrid, which comprises an alpha fixed angle calculation module; a first voltage sensor; a second voltage sensor; Phase locked loop PLL; Sine function; the multiplier is used for obtaining the target voltage vector vc-ref of the critical load; the first subtracter is used for obtaining the electric spring port voltage target vector ves-ref; according to the difference between the non-critical load voltage vector vnc and the critical load target voltage vector vc-ref; the second subtractor is used for obtaining the compensation error ; according to the difference between the feedback amount ves and the electric

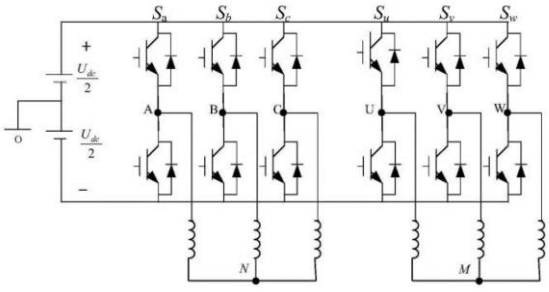
spring port voltage target vector ves-ref; PR compensator, which outputs a pulse control signal according to the compensation error ; the sine pulse width adjusting module is used for outputting a driving signal for controlling the H-type inverter bridge. Through this power adjustment of non-critical loads, the power adjustment problem on the demand side is solved, and with the help of the distributed characteristics of electric springs, it is helpful to realize the balance between supply and demand in microgrid.



21: 2023/07082. 22: 2023/07/14. 43: 2024/01/24
51: B65G
71: Tangshan Longsheng Electric Power Technology Co., Ltd.
72: HUO, Xiaolong
54: UNATTENDED SYSTEM FOR BELT CONVEYOR
00: -
The present invention relates to an unattended system for a belt conveyor. The unattended system not only facilitates full-automatic deviation rectifying and cleaning of the belt conveyor, but also facilitates adjustment according to size of an object conveyed by a belt body, a position of the object is limited, which ensures stability of the object in a conveying process.



21: 2023/07083. 22: 2023/07/14. 43: 2024/01/24
51: H02P
71: ZHEJIANG INTERNATIONAL MARITIME COLLEGE
72: CHEN Zaifa
33: CN 31: CN202211107560.8 32: 2022-09-09
54: MODEL PREDICTIVE CURRENT CONTROL METHOD FOR DUAL THREE-PHASE PERMANENT MAGNET SYNCHRONOUS MOTOR
00: -
The invention disclose a model predictive current control method of a dual three-phase permanent magnet synchronous motor. firstly, in order to suppress common-mode voltage and reduce harmonic current, 48 virtual voltage vector are synthesized as an input control set. Secondly, in each sampling period, four candidate voltage vectors are determined by calculating the position of the reference voltage vector. Finally, the candidate voltage vector is evaluated by the value function without weight coefficient, and the optimal voltage vector is selected. The proposed method effectively reduces the harmonic current, eliminates the weight coefficient in the cost function, and reduces the inherent common-mode voltage of the dual three-phase permanent magnet synchronous motor by 66. 67 percent. In addition, the proposed method significantly reduces the computational burden.



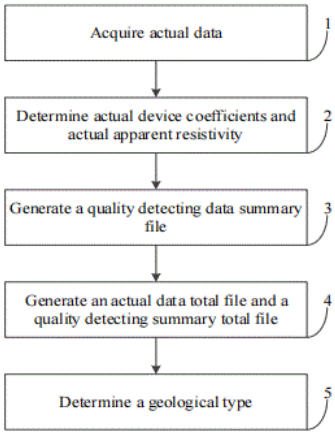
21: 2023/07084. 22: 2023/07/14. 43: 2024/01/24
51: G06T

71: Shandong Provincial Research Institute of Coal Geology Planning and Exploration, Key Laboratory of Coal Geophysics, Chinese Geophysical Society, Chinese Academy of Geological Sciences
72: XUE, Ronghui, ZHU, Yuzhen, WANG, Huaihong, SUN, Chao, LIANG, Feng, SHEN, Lijun, ZHOU, Minglei, LU, Nan, ZHANG, Xinbin, LIU, Xue, GAO, Lei

54: METHOD FOR DETERMINING GEOLOGICAL TYPE

00: -

Disclosed is a method for determining a geological type. The method includes: determining a plurality of actual measuring points and actual measuring lines of a target stratum; acquiring actual data of each actual measuring line; determining device coefficients and apparent resistivity corresponding to the actual measuring points according to the actual data; acquiring quality detecting data corresponding to quality detecting lines; determining the device coefficients of the actual measuring points, and determining apparent resistivity of the quality detecting points according to the updated device coefficients, emission currents and potential differences; and generating a quality detecting data summary file, an actual data total file and a quality detecting summary total file based on the actual data and the quality detecting data, so as to determine a geological type of the target stratum.

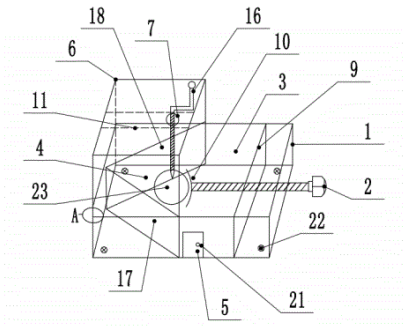


21: 2023/07086. 22: 2023/07/14. 43: 2024/01/24
51: G01N
71: Northeast Forestry University, Nanjing Institute of Environmental Sciences, MEE
72: ZHANG, Xingshuo, CHENG, Kun, ZHOU, Daqing, ZHANG, Haonan, LV, Yingying

54: PORTABLE SAMPLING DEVICE FOR SPHERICAL SAMPLE

00: -

Disclosed in the present invention is a portable sampling device for a spherical sample. The portable sampling device includes a fixing device and a sampling device. The fixing device includes a housing, a cavity is arranged in the housing, a first threaded hole is provided in a side wall of the housing, an adjusting screw rod is in threaded connection to the first threaded hole, and one end of the adjusting screw rod is located in the cavity. A V-shaped clamping groove is further provided in the cavity, an arc-shaped positioning plate is arranged on one end of the adjusting screw rod. The sampling device includes a supporting frame, a supporting plate and a sampler, where the supporting plate is slidably connected to the supporting frame, a second threaded hole is provided in the supporting plate, and the sampler is in threaded connection to the second threaded hole.



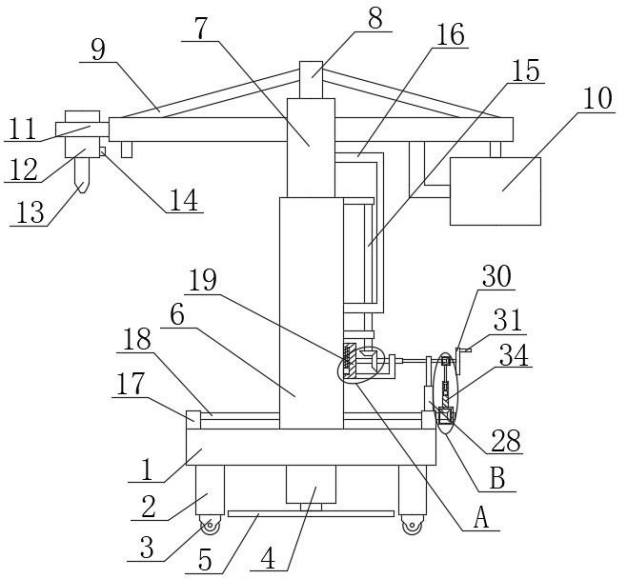
21: 2023/07088. 22: 2023/07/14. 43: 2024/01/24
51: A61B
71: ZHENGZHOU UNIVERSITY OF INDUSTRIAL TECHNOLOGY
72: LIANG, Shasha, SUN, Lipeng, YIN, Ning

54: ASPIRATOR FOR LAPAROSCOPY

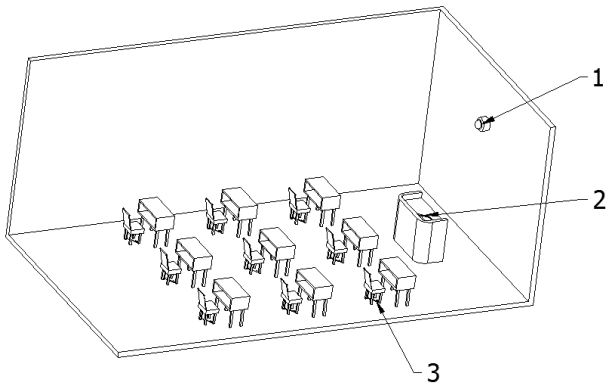
00: -

The present invention belongs to the technical field of medical equipment, and particularly relates to an aspirator for laparoscopy. The invention comprises a bottom plate; the bottom of the bottom plate is symmetrically and fixedly provided with two brackets; bottoms of the two brackets are movably provided with mobile devices; the bottom of the bottom plate is fixedly provided with a supporting stabilization device; the top of the bottom plate is fixedly with a pillar; the pillar is slidably provided with a sliding column; the sliding column is fixedly provided with an installing frame which is fixedly provided with a

material pipe; the bottom of the installing frame is fixedly provided with a collection box; one side of the installing frame is fixedly provided with a side frame which is fixedly provided with a suction device; the bottom of the suction device is fixedly provided with a material head.

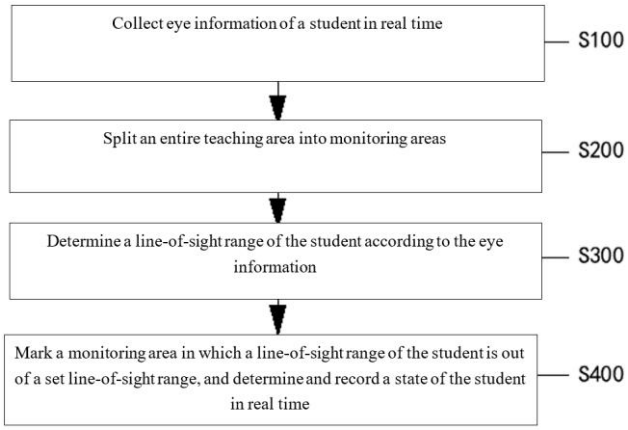


21: 2023/07090. 22: 2023/07/14. 43: 2024/01/24
51: G06Q
71: Anhui Polytechnic University
72: Yuan Yiming, Lu Huacai, Li Lu, Huang Yiqing, Ge Yuan, Liu Shilin, Gao Wengen, Wei Lisheng, Hu Yaocong, Feng Mei, Ding Xiaoyu, Fei Xizhuo
33: CN 31: 202310662091.4 32: 2023-06-06
54: DEVICE FOR INSPECTING STATE OF STUDENT IN CLASS
00: -
The present disclosure relates to the technical field of teaching appliances, and particularly relates to a device for inspecting a state of a student in class. The device includes a photographing assembly, where the photographing assembly is fixedly connected to a wall of a classroom; a processing assembly, where the processing assembly is fixedly connected to a platform; and a reminding assembly, where the reminding assembly is fixedly connected to a seat; where the photographing assembly records the state of the student in class, and transmits information to the processing assembly, and the processing assembly processes and analyzes the state of the student in class, and controls the reminding assembly to remind an absent-minded student. According to the present disclosure, the arranged photographing assembly records the state of the student in class, and transmits video information to the processing assembly, when the student dozes or is absent-minded, the processing assembly sends a signal to the reminding assembly, and the reminding assembly reminds the absent-minded student, so as to urge the student to listen to the teacher carefully in class. Moreover, the problem that since a teacher repeatedly reminds an absent-minded student, classroom procedures are interrupted, and a teaching progress is affected is avoided.



21: 2023/07092. 22: 2023/07/14. 43: 2024/01/24
51: G06K
71: Anhui Polytechnic University
72: Yuan Yiming, Huang Yiqing, Lu Huacai, Ge Yuan, Liu Shilin, Gao Wengen, Wei Lisheng, Hu Yaocong, Li Lu, Feng Mei, Ding Xiaoyu, Fei Xizhuo
54: METHOD AND SYSTEM FOR INSPECTING ATTENTION IN CLASS ON THE BASIS OF LINE OF SIGHT OF HUMAN EYE
00: -
The present disclosure relates to the field of educational informatization technologies, and particularly relates to a method for inspecting attention in class on the basis of a line of sight of a human eye. The method includes steps as follows: collecting eye information of a student in real time; splitting an entire teaching area into monitoring areas; determining a line-of-sight range of the student according to the eye information; and marking a monitoring area in which a line-of-sight range of the student is out of a set line-of-sight range, and determining and recording a state of the student. According to the present disclosure, the eye information of the student is collected in real time, the student in the monitoring area is monitored, the

line-of-sight range of the student is compared with the set line-of-sight range, the line-of-sight range of the student that is out of the set line-of-sight range for a long time is marked, and the state of the student is determined and recorded. Therefore, a teacher can conveniently quantitatively score a usual performance of the student, and the situation that since scoring is carried out just according to a memory of the teacher, an error is relatively big is avoided.

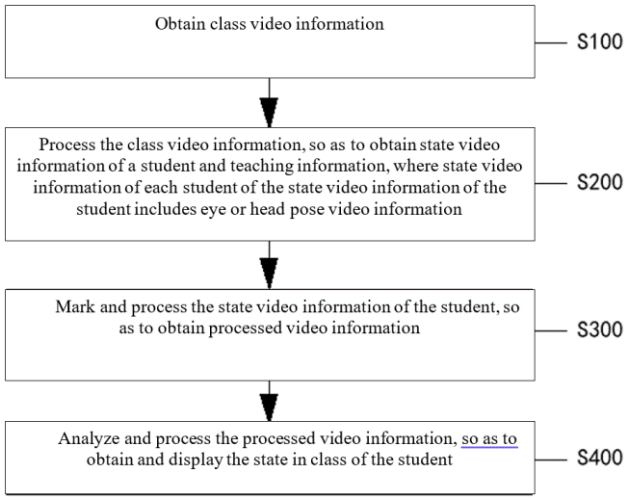


21: 2023/07094. 22: 2023/07/14. 43: 2024/01/24
51: G06Q
71: Anhui Polytechnic University
72: Yuan Yiming, Lu Huacai, Huang Yiqing, Zhang Yan, Ge Yuan, Liu Shilin, Gao Wengen, Wei Lisheng, Hu Yaocong, Li Lu, Feng Mei, Ding Xiaoyu, Fei Xizhuo

54: METHOD AND SYSTEM FOR INSPECTING STATE IN CLASS ON THE BASIS OF EYE AND HEAD POSE

00: -

The present disclosure relates to the field of intelligent teaching technologies, and particularly relates to a method and system for inspecting a state in class on the basis of an eye and a head pose. The method includes: obtaining class video information; processing the class video information, so as to obtain state video information of a student and teaching information, where state video information of each student of the state video information of the student includes eye or head pose video information; marking and processing the state video information of the student, so as to obtain processed video information; and analyzing and processing the processed video information, so as to obtain and display the state in class of the student. According to the present disclosure, the obtained class video information is split into video clips, and the state video information of the student in the video clips is processed, marked and displayed according to the eye and the head pose such that a teacher can directly see a state in class of a student who does not listen to the teacher carefully without walking close to the student, and a class procedure and a teaching progress are prevented from being affected.



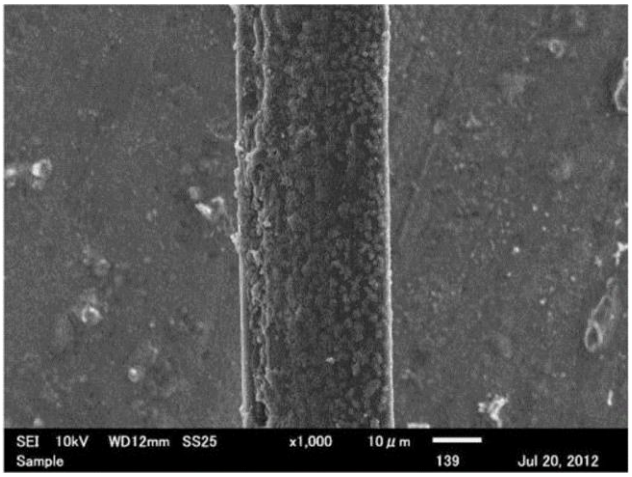
21: 2023/07095. 22: 2023/07/14. 43: 2024/01/24
51: D06M
71: Anhui Polytechnic University, Anhui Shangyuan Home Materials Co., Ltd.
72: Ruan Fangtao, Su Yongsheng, Wang Guofeng, Zou Lihua, Wang Hongjie, Wang He, Zuo Hongmei

54: SURFACE NANO-COATING MODIFIED FIBER AND METHOD FOR PREPARING SAME

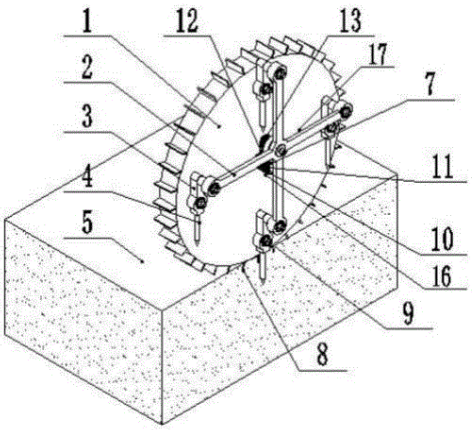
00: -

The present invention discloses a surface nano-coating modified fiber and a method for preparing the same, and belongs to the technical field of fiber surface modification. The preparation method of the present invention is to coat a nanoparticle coating on a surface of an organic fiber by liquid coating and coat an outer polypyrrole coating by vapor coating. Liquid coating is conducive to uniform dispersion of different nanoparticles on the surface of the fiber; and vapor coating enables the nanoparticles to form an isotropic coating. A uniform nanoparticle coating is formed on the surface of the fiber provided by the present invention; and after the preparation of a fiber composite, radial mechanical properties of the fiber are obviously enhanced, and interfacial properties

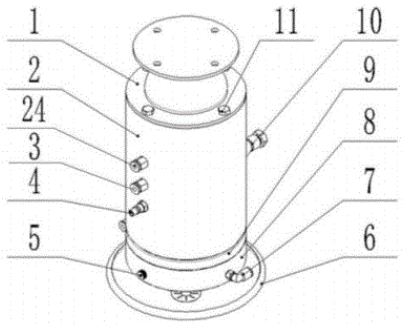
between polymer matrices may also be improved, so as to improve the mechanical properties of the composite. The method of the present invention overcomes the disadvantages of complex equipment and high cost in a radiation method without damaging a fiber body at the same time. A brand new method is proposed to improve radial compressive performance of the fiber.



21: 2023/07098. 22: 2023/07/14. 43: 2024/01/24
51: A01C; A61L
71: NONGXIN (NANJING) SMART AGRICULTURE RESEARCH INSTITUTE CO., LTD
72: LI, Si, ZHAO, Chunjiang, ZHAI, Changyuan, LV, Chunling, CHEN, Tianen, ZHAO, Shuhong, LIU, Hongyi, GUO, Yanqiu, ZHANG, Chunfeng
33: CN 31: 202211017964.8 32: 2022-08-24
54: PRICKING HOLE MECHANISM
00: -
The present disclosure provides a pricking hole mechanism. The pricking hole mechanism includes a wheel disc; anti-skid paddles of the wheel disc, which are uniformly distributed on an outer contour surface of the wheel disc; a transmission assembly, which is disposed at a center of the wheel disc and located at one side of the wheel disc; a connecting rod assembly, which is connected to the transmission assembly; and a pricking hole needle, which is fixedly connected to a tail end of the connecting rod assembly. The wheel disc is driven to rotate by inserting the anti-skid paddles of the wheel disc into the soil of a ridge surface, the wheel disc drives the connecting rod assembly to rotate through the transmission assembly, and the pricking hole needle that is fixedly disposed at the tail end of the connecting rod assembly is inserted into the soil.



21: 2023/07099. 22: 2023/07/14. 43: 2024/01/24
51: B05B
71: INTELLIGENT EQUIPMENT RESEARCH CENTER, BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES
72: ZHAI, Changyuan, LI, Si, LV, Chunling, GU, Chenchen, ZHANG, Chunfeng, ZHAO, Xueguan, ZHUO, Zhenyuan, YANG, Shuo, SONG, Jian
33: CN 31: 202210764824.0 32: 2022-06-29
54: SPRAYING DEVICE
00: -
Provided is a spraying device, including a spraying stator assembly and a spraying rotor actuator. The spraying stator assembly includes a barrel-type spraying stator, an air inlet joint and a water supply joint, and the spraying rotor actuator includes a spraying rotor shaft core, a spraying rotor lower cavity, an atomizing nozzle and a rectangular air injection joint; a first end of the spraying stator is fixedly connected to an external mechanism, the spraying rotor shaft core is sleeved in the spraying stator, the spraying rotor shaft core is fixedly connected to the spraying rotor lower cavity at a second end of the spraying stator, the atomizing nozzle and the air injection joint are fixed at a side of the spraying stator lower cavity, a side of the spraying stator is equipped with the air inlet joint and the water supply joint.



21: 2023/07101. 22: 2023/07/14. 43: 2024/01/24
51: C12M
71: Yunnan Minzu University
72: Chen Junhua, Zhang Ya, Chen Kangyue
33: CN 31: 2023106847773 32: 2023-06-09

54: MULTI-OBJECTIVE TRACKING METHOD BASED ON MULTI-AGENT COLLABORATIVE DEEP REINFORCEMENT LEARNING

00: -

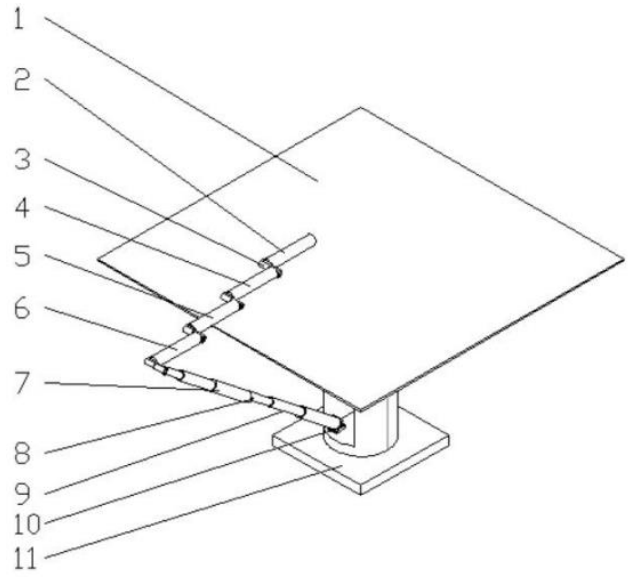
The present invention discloses a multi-object tracking method based on multi-agent collaborative deep reinforcement learning. The method comprises: modeling the environment using a three-dimensional coordinate method to obtain an environment model; obtaining input data based on the environment model; inputting the input data into a tracking model to determine the tracking trajectory of the tracking target; utilizing a tracking agent in the environment model to dynamically track the position information of the tracking target, wherein the tracking model takes the environment feedback information and the current frame position information of the tracking target as input in a 4:6 ratio and outputs the next frame position information to determine the tracking trajectory of the tracking target. The present invention constructs the tracking model based on a Siamese neural network, fully exploits the collaborative effect of multi-agents, and effectively utilizes the environment feedback information, thereby improving the tracking speed and accuracy of online tracking.

21: 2023/07119. 22: 2023/07/14. 43: 2024/01/29
51: H02S
71: Huaneng Power International Inc. Dezhou Power Plant
72: Guo Xiaochen, Guo Zhongbo, Wang Yongshun, Li Shan
33: CN 31: 2023103885025 32: 2023-04-12

54: ADAPTIVE PHOTOVOLTAIC PANEL CLEANING DEVICE

00: -

The present invention disclosed an adaptive photovoltaic panel cleaning device. An existing automatic cleaning device needs to lay tracks and other parts, which is difficult to be constructed on water and faces a problem of serious metal corrosion. The present invention includes a photovoltaic panel (1) and a support (11). An inside of the support is connected to a hydraulic extension mechanism by a support base (10), an end of the hydraulic extension mechanism is connected to a steering gear (12), and the steering gear is connected to a folding brush head. The present invention is useful for photovoltaic panel cleaning.



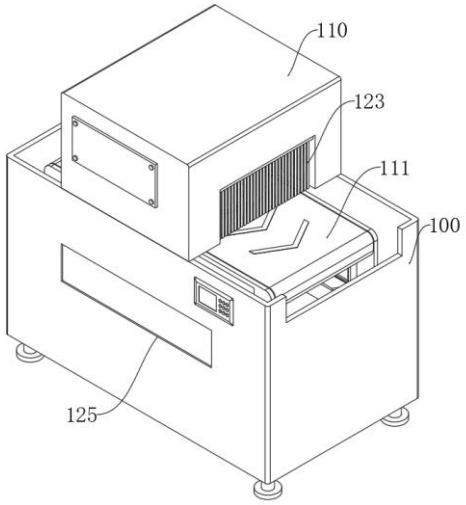
21: 2023/07121. 22: 2023/07/14. 43: 2024/01/29
51: B65G
71: Ruichang Ruimei Cosmetics Co., Ltd.
72: Chen Shigui, Ding Junjun, Cao Qiongyi
33: CN 31: 202222486383.0 32: 2022-09-20

54: HEAT INSULATION CONVEYING MECHANISM OF HEAT SHRINK PACKAGING MACHINE FOR COSMETICS PRODUCTION

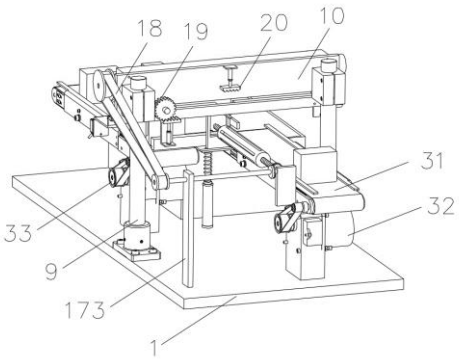
00: -

The utility module relates to the technical field of conveying mechanisms, and discloses a heat insulation conveying mechanism of a heat shrink packaging machine for cosmetics production, which includes an apparatus body including a housing, a heat shrink furnace, a conveying belt, a mounting rack, and a mounting base, where a cleaning base is

fixedly mounted on the mounting rack, the top of the cleaning base is movably connected to a connecting plate by means of a rotating shaft, the top of the connecting plate is movably connected to a cleaning sponge by means of the rotating shaft, a plurality of reset springs are fixedly mounted on the connecting plate, and the tail ends of the reset springs are fixedly connected to the top of the cleaning base, and autorotation of the conveying belt may be used to complete cleaning work for its surface by using this design. According to the utility model, the cleaning base, the connecting plate, the cleaning sponge, and the reset springs are provided, and by using this design, the autorotation of the conveying belt may be used to complete cleaning work for its surface.

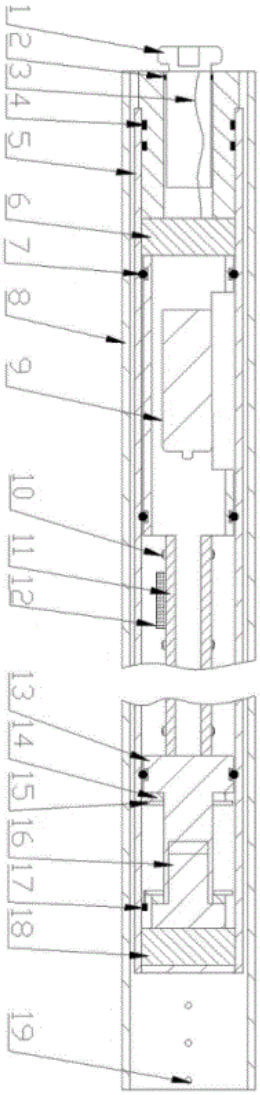


21: 2023/07124. 22: 2023/07/17. 43: 2024/01/24
51: B07C
71: HUAINAN NORMAL UNIVERSITY
72: LI, Fanghu, HE, Yinnan
33: CN 31: 202310771804.0 32: 2023-06-27
54: INTEGRATED APPARATUS FOR WEIGHING AND SORTING IN LOGISTICS UPDATE AND USE METHOD THEREOF
00: -
The present disclosure pertains to the technical field of logistics sorting, and provides an integrated apparatus for weighing and sorting in logistics update and a use method thereof. The apparatus includes a base plate, where the base plate is provided with a first conveyor and a second conveyor that are co-axially staggered in parallel. Inspection and sorting are performed by squeezing the logistics box against an extension spring and a telescopic member in cooperation with a pallet, a rectangular frame, a support bar, a clamping plate, a first screw, a push shaft, and a first chute. In this process, under- and over-weighted logistics boxes are sorted out, improving the automation level of weighing and sorting, thus improving the operation efficiency.



21: 2023/07125. 22: 2023/07/17. 43: 2024/01/24
51: E21B
71: China University of Geosciences, Wuhan
72: Rongjing WANG, Tao ZHANG, Zhi CHEN, Chunhua LU, Choujiang TAN, Mengdi QIAO, Bo SU, Wenshuo LIU
54: A REAL-TIME ACQUISITION SYSTEM FOR CORE DISPLACEMENT IN A DRILLING SAMPLER
00: -
The present invention belongs to the technical field of drilling and sampling equipment, A real-time acquisition system for drilling sampler, Including magnetic steel liner, pressure retaining tube, upper cover with usb interface, lower cover, battery, control circuit and main board, Hall element and its supporting circuits, bracket, some o-ring, some gaskets, buffer rubber, etc.; The magnetic steel liner is assembled in the core liner of the original sampling drill tool, Hall elements, battery and control circuits and main board are connected and packaged in the pressure protection tube, Seal through the upper and lower end caps, Form a displacement monitoring element; The placement monitoring element carrying the Hall element after the sample enters the sampling tube, Opposite displacement to the liner under the push of the sample, The rock sample footage is dynamically monitored after data processing through the change

of the Hall element electrical signal and the distribution of the magnetic steel on the liner. The device can realize the continuous detection of rock sample footage without lifting the drilling tool, and get the complete sample penetration data after the drilling to improve the automation level of drilling engineering.



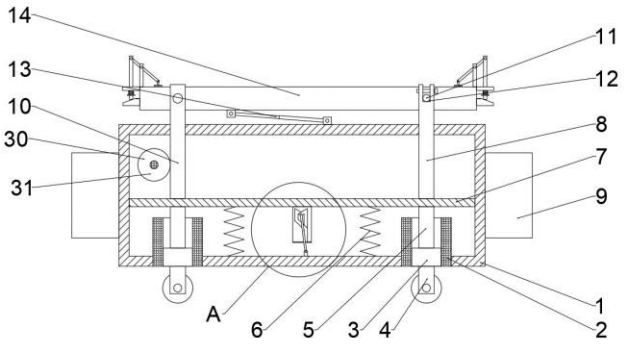
21: 2023/07126. 22: 2023/07/17. 43: 2024/01/24
51: C04B
71: Jingdezhen Ceramic University
72: Ying Zhang
54: A METHOD OF PROTECTING CERAMIC CRAFTSMANSHIP BASED ON INFORMATION VISUALIZATION
00: -

The invention relates to the technical field of information visualization and discloses a ceramic craftsmanship protection method based on information visualization technology, which comprises the following steps: S1. Data collection: (1) Feature collection, a 3DSS scanner is used to scan the ceramics in all directions, and the continuous solid structure of ceramics is converted into digital form, then the discrete volume data can be processed to obtain the corresponding three-dimensional ceramic model. The ceramic craftsmanship protection method based on information visualization technology transforms the ceramic entity into a digital model. In the model reconstruction stage, the feature collection and CAD model reconstruction are carried out in the aspect of pattern extraction by using 3D scanning, the method of panoramic scanning is used to extract the pattern, and then through the visualization technology, the ceramics and ceramic technology are shown to the audience, so that the local resources can be transformed into online resources at the same time, to improve the protection of ceramic technology.

21: 2023/07127. 22: 2023/07/17. 43: 2024/01/24
51: B43L
71: GUIZHOU UNIVERSITY
72: YANG Mingqing, LIN Li
54: CONVENIENT DRAWING DEVICE FOR MECHANICAL DESIGN
00: -

The invention relate to that technical field of mechanical design, in particular to a convenient drawing device for mechanical design, which comprise a vehicle body, where four corners of the bottom of the vehicle body are movably connected with a folding and moving mechanism; the folding and moving mechanism is drivingly connected with a sliding plate, the sliding plate is vertically and slidably connected with the inner wall of the vehicle body; the bottom of the sliding plate is drivingly connected with a clamping mechanism; the top of the vehicle body is movably connected with a drawing board which is drivingly connected with the sliding plate; storage parts are respectively arranged on two sides of the vehicle body; and paper clamping parts are arranged in the drawing board. The invention is convenient to use and move, the

paper is not easy to loosen, and the drawing comfort is improved.

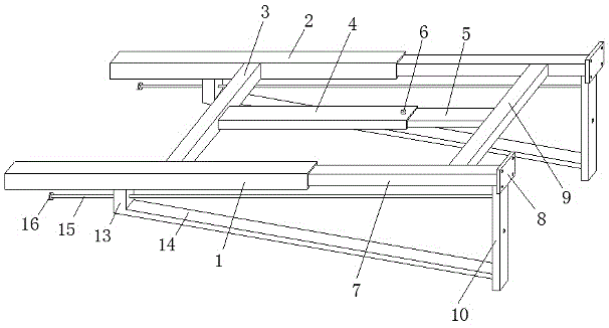


21: 2023/07132. 22: 2023/07/17. 43: 2024/01/24
51: E04G
71: THE SECOND CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA
CONSTRUCTION SECOND ENGINEERING BUREAU
72: LIU, Wentao, ZHANG, Xiaochao, LIU, Bing, DONG, Lei, JIANG, Wen, YUAN, Li, HAN, Xueyong, SONG, Xiaokang, LI, Guanwei, YANG, Aixin, YUAN, Xin

54: STEEL FRAME STRUCTURE OF TIE POINT OF WALL ATTACHING FRAME FOR BUILDING HOIST RISING TO ROOF AND CONSTRUCTION METHOD THEREFOR

00: -

The present invention discloses a steel frame structure of a tie point of a wall attaching frame for a building hoist rising to a roof and a construction method therefor, wherein the steel frame structure of a tie point of a wall attaching frame for a building hoist rising to a roof includes a first connecting rack and a second connecting rack. A left stiffening plate is fixedly connected to opposite surfaces of the first connecting rack and the second connecting rack, and a limiting sleeve is fixedly connected to a middle position of a right wall of the left stiffening plate. A limiting plate is movably inserted into the limiting sleeve. A first bolt is in threaded connection to a right side of the limiting sleeve, and a bottom of the first bolt is pressed against a top of the limiting plate. Wall connecting plates are movably inserted into the first connecting rack and the second connecting rack, and wall mounting plates are fixedly connected to right ends of the wall connecting plates. A right stiffening plate is fixedly connected between the wall connecting plates. The first connecting rack and the wall connecting plates after movement can be better fixed more stably, and the stability of a worktable fixing framework in use can be increased.

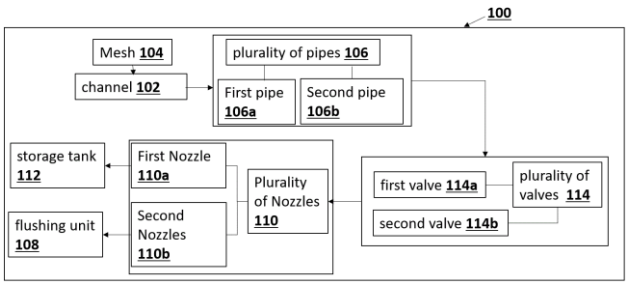


21: 2023/07139. 22: 2023/07/17. 43: 2024/01/24
51: E03B
71: Dr. Olympa Baro, Kaushik Handique
72: Dr. Olympa Baro, Kaushik Handique

54: A RAINWATER HARVESTING SYSTEM

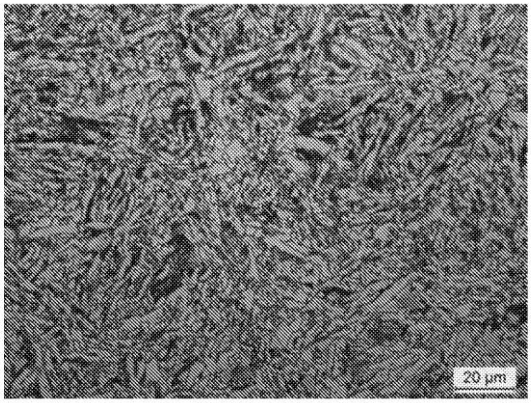
00: -

A rainwater harvesting system (100) comprises a channel (102) for collecting rainwater running off from a roof; a mesh (104) for filtering out impurities present in the rainwater to collect clean water in the channel; a plurality of pipes (106a, 106b) interconnected to the channel for collecting the filtered water, wherein contaminated water initially flowing from the channel is flushed out into soil through the plurality of nozzles (110a, 110b) using a flushing unit (108) to flush out the debris present into the plurality of pipes and thereby the filtered water is stored in a storage tank (112); and a plurality of valves (114a,114b) for opening and closing the plurality of nozzle of the pipes (106a,106b) to triggering flowing of water into the soil and storage tank, wherein at least a valve is opened alternatively to flush out the water and store the water in the storage tank.

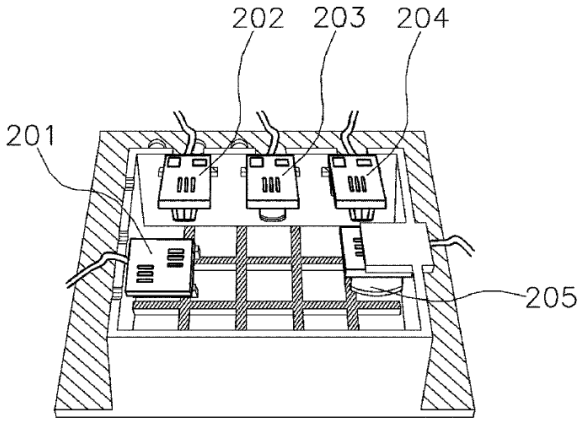


21: 2023/07142. 22: 2023/07/17. 43: 2024/01/24
51: C21D; C22C

71: BAOSHAN IRON & STEEL CO., LTD.
72: GAO, Jiaqiang, ZHAO, Sixin, HUANG, Zongze, CHEN, Lin
33: CN 31: 202110035295.6 32: 2021-01-12
54: NON-QUENCHED AND TEMPERED ROUND STEEL WITH HIGH STRENGTH, HIGH TOUGHNESS AND EASY CUTTING AND MANUFACTURING METHOD THEREFOR
00: -
Disclosed is a non-quenched and tempered round steel with high strength, high toughness and easy cutting, comprising the following chemical elements in percentage by mass: C: 0.36-0.45%, Si: 0.20-0.70%, Mn: 1.25-1.85%, Cr: 0.15-0.55%, Ni: 0.10-0.25%, Mo: 0.10-0.25%, Al: 0.02-0.05%, Nb: 0.001-0.040%, V: 0.10-0.25%, S: 0.02-0.06%, and the balance being Fe and inevitable impurities. Also disclosed is a method for manufacturing the non-quenched and tempered round steel, comprising the steps of: S1: smelting and casting; S2: heating; S3: forging or rolling; and S4: finishing. The non-quenched and tempered round steel with high strength, high toughness and easy cutting described above has high strength, good impact toughness, elongation and cross-sectional shrinkage, and has good cutting performance and fatigue resistance, and can be used in situations requiring a high-strength steel material, such as automobiles and engineering machinery.



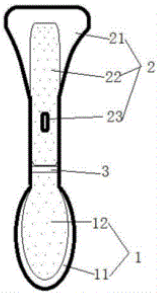
21: 2023/07143. 22: 2023/07/17. 43: 2024/01/29
51: G01N
71: THE BLUE BOX BIOMEDICAL SOLUTIONS, SL
72: GIRÓ BENET, Judit, CHEN, Po-An
33: US 31: 63/131,188 32: 2020-12-28
54: A SYSTEM, A METHOD AND A DEVICE FOR SCREENING A DISEASE IN A SUBJECT
00: -
A system, a method and a device for screening a disease in a subject are provided. The system comprises a portable medical screening device including a collection chamber to collect a test sample of a subject; a set of chemically sensitive sensors; an analysis chamber to allocate the set of chemically sensitive sensors to detect VOCs in the test sample and to generate an output signal indicative of the presence or absence of VOC in the test sample; and a first processing unit operatively connected to the set of chemically sensitive sensors to receive the generated output signal. The system also comprises an artificial intelligence-based classification software to determine an outcome regarding the disease by processing and classifying the generated output signal. The classification software can be executed by the first processing unit, a software application installed on a computer device or a remote processing unit.



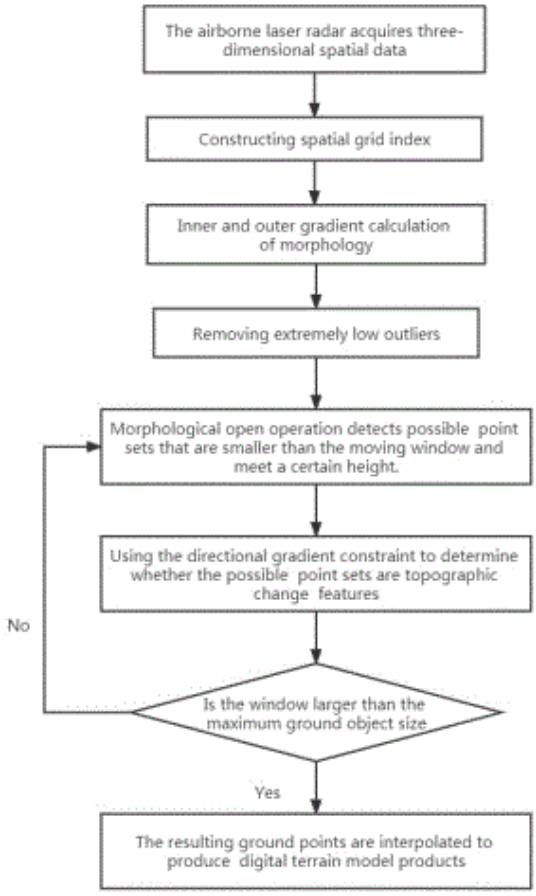
21: 2023/07162. 22: 2023/07/17. 43: 2024/01/24
51: H01M
71: "TOPAZ" LIMITED LIABILITY COMPANY ("TOPAZ" LLC)
72: GVOZDKOV, Ilya Alekseevich, LEVCHENKO, Egor Aleksandrovich, SIVAK, Aleksandr Vladimirovich, TIMERBULATOV, Ruslan Sergeevich
33: RU 31: 2020144070 32: 2020-12-30
54: TUBULAR SOFC WITH CATHODE CURRENT COLLECTOR AND METHOD FOR FORMING CATHODE FUEL COLLECTOR
00: -
Invention relates to the field of electrical engineering, namely, to high-temperature solid oxide fuel cells (SOFCs) of a tubular structure with an anode supporting electrode, in particular to microtubular SOFCs, and is intended to create single tubular

SOFCs with an efficient cathode current collector for subsequent switching of fuel cells in a battery. The cathode current collector is made of a material based on metal powder and/or powder of metal oxides and/or intermetallic compounds, in the form of at least one strip deposited on the surface of the outer side of the cathode electrode, or on the inner side of the cathode electrode facing the electrolyte, wherein, the current collector isinseparably connected to the surface on which it is applied, and has a porous structure with a volumetric porosity of 10-70%. A method for forming the cathode collector of tubular SOFC is proposed, which includes the preparation of a composition based on metal powder and/or powder of metal oxides and/or intermetallic compounds with a particle size of 0.5-50 mcm, which is applied to the surface of the cathode electrode in the form of strips or to the surface adjacent to layer facing the cathode electrode, after which annealing is carried out at the sintering temperature of the cathode electrode.

21: 2023/07168. 22: 2023/07/18. 43: 2024/01/24
51: A61F
71: ANHUI POLYTECHNIC UNIVERSITY
72: BAO, Guangxi, ZHANG, Zhenlin, LIU, Tao, TANG, Ganyi, SHENG, Fang, YI, Yunyun
54: PERSONAL HYGIENE NURSING PAD
00: -
The invention relates to the technical field of hygienic nursing and discloses a personal hygiene nursing pad, including a front section of a nursing pad and a rear section of the nursing pad, the rear section of the nursing pad being provided with a porous cotton strip, a width of an upper end of the porous cotton strip being less than a width of a lower end; upper layers of the front section of the nursing pad and the rear section of the nursing pad being provided with several layers of front section mesh cotton cloths and several layers of rear section mesh cotton cloths; an outer wall of the porous cotton strip being provided with a plurality of vent holes; a medicine delivery channel being provided in the porous cotton strip, and several medicine powder tanks being able to be placed in the medicine delivery channel.



21: 2023/07169. 22: 2023/07/18. 43: 2024/01/24
51: G01S
71: Hohai University
72: Yong LI, Bin YONG, Jia XU
54: A METHOD OF GENERATING TERRAIN INFORMATION BY AIRBORNE LASER SCANNING
00: -
The present invention relates to the technical field of mapping and obtaining digital terrain information by airborne laser scanning, and discloses a method of generating terrain information by airborne laser scanning scanning, including the following steps: step 1. target region data acquisition; step 2. constructing the grid index and reorganizing the original laser point cloud; step 3. obtaining the point cloud gradient information and filtering out the extremely low outliers; step 4. detecting the point cloud set that meets the requirements; step 5. extracting the point set that satisfies the direction edge gradient constraint; step 6. interpolation to generate digital terrain model products. the present invention adopts the above-mentioned method of generating terrain information by airborne laser scanning, through the combination of morphological opening operation and directional scanning constraint technology, using laser radar to accurately obtain detailed terrain information, which has the characteristics of fast production speed, strong adaptability and high degree of automation, and it can reduce the labor intensity of producing terrain products and improve work efficiency and quality of results.

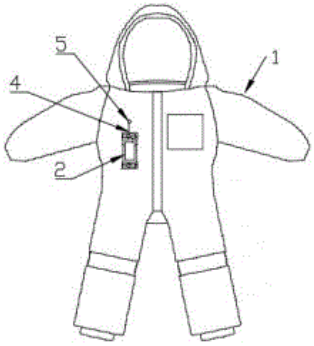


21: 2023/07171. 22: 2023/07/18. 43: 2024/01/24
51: A41D
71: Heyuan Polytechnic
72: ZHANG, Feng, YUAN, Xiaowen

54: INFLATABLE BUFFERING CHILD PROTECTIVE CLOTHING

00: -

The present invention relates to the technical field of inflatable assembly, and more particularly to an inflatable buffering child protective clothing, including a child protective clothing body. A mini-inflatable pump is mounted on a surface of the child protective clothing body, an air outlet handle is provided on a surface of the mini-inflatable pump, an air delivery hose is fixed on a surface of the air outlet handle, an end of the air delivery hose is sheathed on a one-way valve air inlet, and the one-way valve air inlet is fixed on the surface of the child protective clothing body. Beneficial effects are as follows. According to the inflatable buffering child protective clothing of the present invention, a detachable mini-inflatable pump is installed at the front of the child protective clothing body.

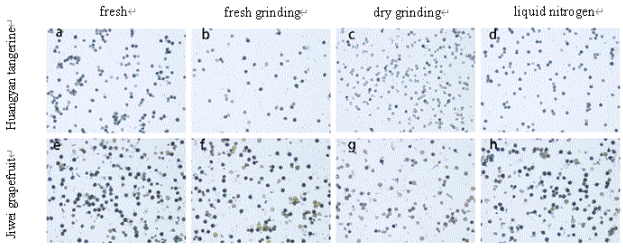


21: 2023/07172. 22: 2023/07/18. 43: 2024/01/24
51: H01H
71: Citrus Research Institute of Zhejiang Province
72: KE Fuzhi, HUANG Xiu, WANG Luoyun, SUN Lifang, NIE Zhenpeng

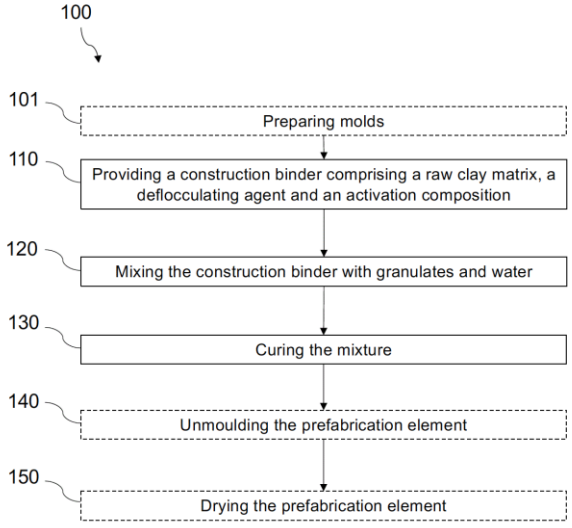
54: METHOD FOR PREPARING POLLEN FOR CITRUS CROSS POLLINATION

00: -

The present invention discloses a method for preparing pollen for citrus cross pollination, belonging to the field of cross breeding technology. The anthers of the flower buds during the white period are taken out, and after liquid nitrogen treatment, when the liquid nitrogen is about to dissipate, the anthers are pressed and placed at room temperature to collect pollen; or the anthers of the flower buds during the white period are taken out, and after liquid nitrogen treatment, the anthers are placed at room temperature to collect pollen. The above method provided by the present invention not only optimizes the method for obtaining paternal pollen in citrus cross breeding, but also solves the problem of difficulty in obtaining paternal pollen while ensuring that the vitality and germination rate of pollen grains are not affected. At the same time, it shortens the time for obtaining paternal pollen, achieves complete pollen dispersion, and achieves the use of fresh pollen at any time, improving the pollination efficiency of cross breeding. It is easy to operate and also solves the problem of reduced pollen vitality and germination rate caused by long drying time or grinding during pollen harvesting, providing technical support for efficient completion of new variety selection in citrus cross breeding.



21: 2023/07183. 22: 2023/07/18. 43: 2024/01/19
51: C04B
71: MATERRUP
72: NEUVILLE, Mathieu, MERCE Manuel
33: EP 31: 21305065.1 32: 2021-01-19
33: EP 31: 21305629.4 32: 2021-05-12
54: LOW-CARBON CONSTRUCTION BINDER AND MATERIALS PROVIDING COMFORT IN SUMMER
00: -
The invention relates to a method (100) for producing a prefabrication element and to a construction binder comprising a green clay matrix, a deflocculation agent and an activation composition, wherein: - the green clay matrix comprises at least one green clay from the family of smectites; - the at least one green clay from the family of smectites represents at least 20% by weight of the construction binder; and - the construction binder comprises less than 15% by weight of Portland cement.



21: 2023/07184. 22: 2023/07/18. 43: 2024/01/24
51: H04L
71: Lu'an BoZhanChuangYan Technology Co., Ltd.
72: Zhao Wenjie
33: CN 31: 202310814589.8 32: 2023-07-04
54: WIRELESS ROUTER WITH EMERGENCY BROADCAST FUNCTIONALITY
00: -
The present invention provides a wireless router with emergency broadcast functionality. It includes a controller, memory, WAN network port module, LAN network port module, and wireless management module. Additionally, it comprises a receiving and demodulating module and an emergency message extraction module. The receiving and demodulating module is connected to the emergency message extraction module, while the controller is connected to the memory, WAN network port module, LAN network port module, wireless management module, and emergency message extraction module. The controller receives emergency instructions transmitted through wireless broadcast television signals, executes the emergency instructions, and transfers the emergency content to the wireless management module for broadcasting to wireless network devices. This invention enables the wireless router to receive emergency broadcast messages in real-time and broadcast them to nearby wireless network devices, thereby promptly alerting the audience and reducing losses.

21: 2023/07198. 22: 2023/07/18. 43: 2024/01/29
51: A01N; C12N
71: KHORAKIWALA, Habil F
72: KHORAKIWALA, Habil F, SHARMA, Vijay, KHORAKIWALA, Zahabiya
33: IN 31: 202021055334 32: 2020-12-19
54: LYOPHILIZED MESENCHYMAL STEM CELLS
00: -
The present disclosure belongs to the field of stem cell technology. Specifically, the present disclosure relates to a lyophilized powder of mesenchymal stem cells. More specifically, the present disclosure relates to a lyophilized adipose tissue derived mesenchymal stem cells. The present disclosure also relates to the advantageous use of lyophilized mesenchymal stem cells for long-term preservation, easy transportation and distribution of samples in a cost-effective way.

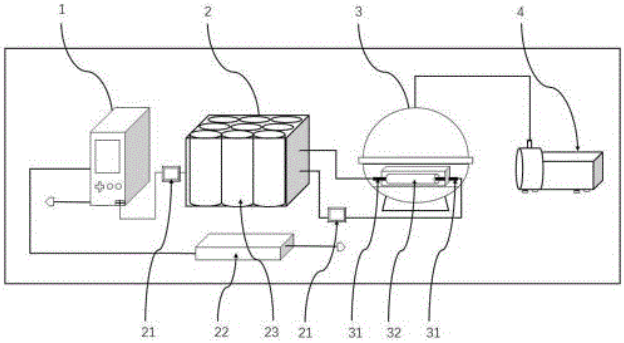
21: 2023/07204. 22: 2023/07/19. 43: 2024/01/24
51: C01B
71: GUIZHOU MINZU UNIVERSITY

72: XIE Yadian, YU Hanqing, GAO Lanxing, LI Yanpu, XUE Miaoxuan, LI Shijiao, XUE Yongheng

54: PREPARATION METHOD AND PREPARATION DEVICE OF BLACK PHOSPHORUS NANOPARTICLES

00: -

The invention discloses a preparation method of black phosphorus nanoparticles, which comprises the following steps: S1) weighing red phosphorus and yellow phosphorus powder, ball milling the red phosphorus powder, and vacuum drying to obtain red phosphorus powder; S2) carrying out primary treatment on the powder, namely adding a conductive substance to obtain a pretreated product; S3) putting the pretreated product into a high-voltage discharge reaction chamber, and performing high-voltage discharge processing to obtain crude black phosphorus nanoparticles; S4) dispersing the rough product of black phosphorus nanoparticles in absolute ethanol, injecting it into a centrifugal tube, putting it into a centrifuge for centrifugal purification to form a refined product, and then putting the purified refined product into a vacuum oven to dry to a constant weight, thus obtaining the black phosphorus nanoparticles. The prepared product has high quality and low cost; the invention also provides a device for implementing the preparation method of black phosphorus nanoparticles, which has high production efficiency and simple operation.

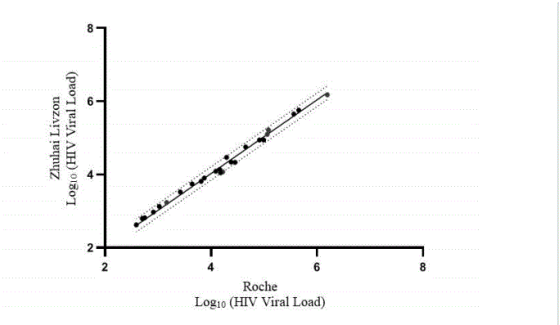


21: 2023/07206. 22: 2023/07/19. 43: 2024/01/24
51: C12N; C12Q
71: National Center for AIDS/STD Control and Prevention, China CDC
72: LV, Yi, JIN, Cong, YAO, Jun, XING, Wenge, PAN, Pinliang
33: CN 31: 2023106274076 32: 2023-05-31

54: METHOD FOR PREPARING QUALITY CONTROL MATERIAL FOR HIV-1 VIRAL LOAD PROFICIENCY TESTING USING 8E5 CELLS AND APPLICATION THEREOF

00: -

The present disclosure relates to the technical field of biological products and provides a method for preparing QC material for HIV-1 viral load proficiency testing based on 8E5 cells, as well as an application thereof. In accordance with the method for preparing QC material for HIV-1 viral load proficiency testing using 8E5 cells, on the basis of the culture supernatant of 8E5 cells and by dilution with the human HIV-1 negative plasma, the QC material is prepared that poses no risk of biological infection, contains all HIV-1 gene fragments, and is suitable for the proficiency testing of numerous commercial HIV-1 viral load assay kits. Experiments have confirmed that the QC material described in the present disclosure possesses excellent virus particle properties, immunogenicity, homogeneity, and robust biological stability.



21: 2023/07207. 22: 2023/07/19. 43: 2024/01/24
51: C23C
71: China Jiliang University
72: Fenglang CHEN, Pengyue ZHANG, Hui CHEN, Zhishu YU

54: A RARE EARTH DOPED NANO-COPPER ALLOY AND ITS PREPARATION METHOD

00: -

The present invention provides a rare earth doped nano-copper alloy and its preparation method, using the silicon bronze plate as the cathode, using the oxygen evolution anode as the anode, using the rare-earth salt aqueous solutions as the electrolyte, the pulse electrodeposition is carried out under the condition of water bath heating, and the rare earth doped nano-copper alloy is formed on the surface of the silicon bronze plate, finally, preparing the rare earth doped nano-copper alloy with high density, no hole and crack on the surface, uniform thickness,

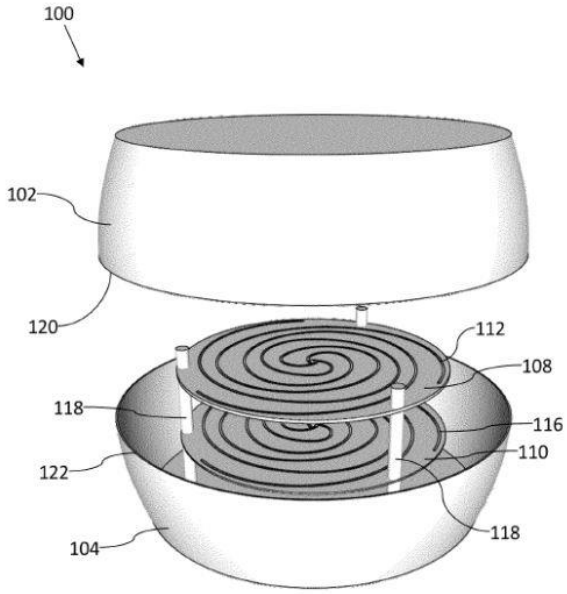
high corrosion resistance, high conductivity and low internal stress on the surface of silicon bronze plate. The method provided by the present invention has the advantages of green environmental protection, low cost, low investment, high production efficiency and low energy consumption in the preparation process, which can effectively improve the service life of copper alloy.

21: 2023/07208. 22: 2023/07/19. 43: 2024/01/24
51: C05G
71: Shandong Zhifeng Fertilizer Group Co., Ltd, Shandong Academy of Agricultrual Sciences
72: WEI Jianlin, TAN Deshui, WU Dehua, GU Feng, DING Yaoping, PANG Lei, GUO Jihua, ZHANG Yue, WANG Lihong
54: DOUBLE-LAYER WRAPPED BIOLOGICAL COMPOUND FERTILIZER AND PREPARATION METHOD THEREOF
00: -
The invention discloses a double-layer wrapped biological compound fertilizer and a preparation method thereof, and belongs to the technical field of fertilizers. The fertilizer consists of 40-50 parts of inorganic compound fertilizer, 18-25 parts of inner layer coating agent, 60-80 parts of organic fertilizer, 3-5 parts of adhesive and 20-25 parts of outer coating agent. Inorganic compound fertilizer is used as the inner fertilizer core, coated with the inner layer coating agent, and the organic fertilizer is bonded outside the inner layer coating agent, and finally the surface of the organic fertilizer layer is coated with the outer coating agent to obtain the final product. The double-layer wrapped biological compound fertilizer of the invention is rich in various nutrient elements, has a good slow and controlled release effect, it can maintain a gentle release speed in the whole process of nutrient slow release, and the release amounts of different nutrients are matched with the nutrients required by the crop growth cycle, so that all the nutrient components required by the crops in different growth periods can be met, and the yield-increasing effect is obvious, the incidence of plant diseases and insect pests is low, and the abnormal fruit generation rate is low, so that it has extremely high application and popularization value.

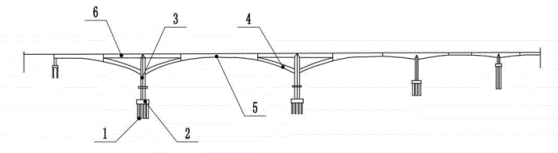
21: 2023/07209. 22: 2023/07/19. 43: 2024/01/24
51: A61D
71: Northeast Agricultural University
72: ZHANG Jiantao, ZHANG Na, LIU Tao, CHI Xinyu
54: COMPOSITION FOR TREATING ACUTE HOOF INFLAMMATION OF DAIRY COWS AND PREPARATION METHOD THEREOF
00: -
The invention discloses a composition for treating acute hoof inflammation of dairy cows and a preparation method thereof. The composition is prepared from Semen Vaccariae, Fructus Forsythiae, Rhizoma Corydalis, Radix Angelicae Sinensis, Perilla frutescens, red umbilicaria, Cortex Moutan fried with wine, Curcuma longa, Radix Salviae Miltiorrhizae, Radix Aconiti, Semen Persicae, Herba Artemisiae Anomalae, Radix Achyranthis Bidentatae, Ramulus Cinnamomi and Taraxaci. Pulverize the above raw materials, decoct, filtering, concentrating, and pulverizing to below 30-50 microns with an ultra-fine mill to obtain superfine powder of traditional Chinese medicine. The pure Chinese medicinal composition is widely available, low in cost, safe, effective and convenient to use, and has the effects of purging fire and detoxicating, clearing away heat and cooling blood, promoting blood circulation and dredging channels, removing blood stasis and swelling, regulating qi and relieving pain.

21: 2023/07210. 22: 2023/07/19. 43: 2024/01/30
51: B01D; E04B
71: EAMBIENT, INC.
72: CALIANOS, Andreas
33: US 31: 63/503,505 32: 2023-05-22
33: US 31: 63/513,030 32: 2023-07-11
54: SYSTEM AND METHOD FOR REDUCTION OF MOISTURE IN POROUS MATERIALS
00: -
A system for reduction of moisture in porous materials is provided, including: a device for reducing moisture in porous materials including: an upper conductive board having a first side and a second side, one or more conductive track arranged in a spiral on the first side, and one or more conductive track arranged in a spiral on the second side; a lower conductive board having a first side, one or more conductive track arranged in a spiral on the first side; a conductive coupler extending from a radially inner core of the first side of the lower conductive board to a radially inner core of the

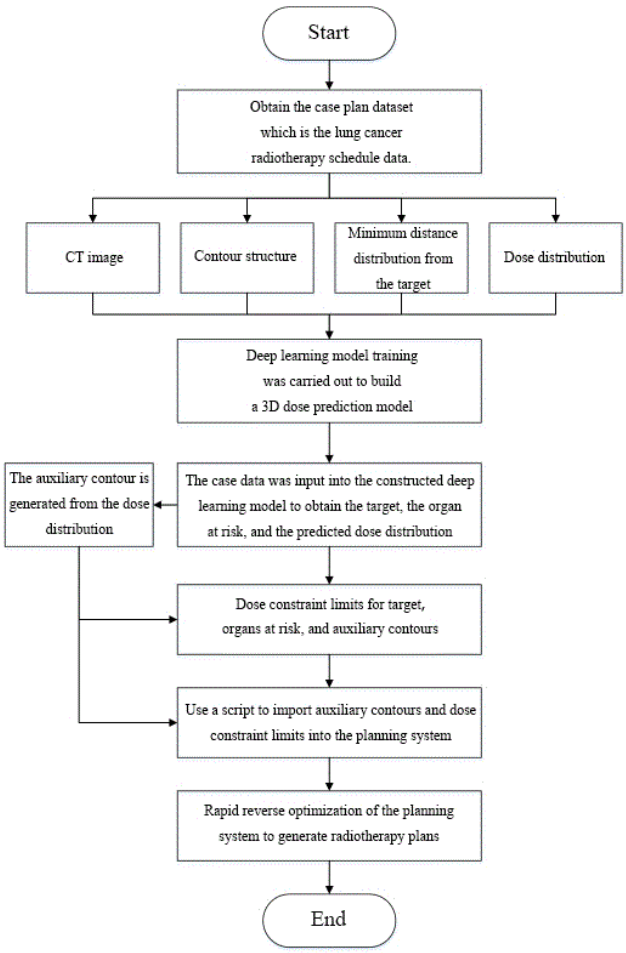
second side of the upper conductive board; and at least one sensor oriented near the device, the sensor including a temperature and relative humidity probe and a moisture probe.



21: 2023/07211. 22: 2023/07/19. 43: 2024/01/24
51: E01D
71: CHINA CONSTRUCTION TUNNEL CORP., LTD, CHONGQING JIAOTONG UNIVERSITY
72: LI, Yayong, XIANG, Zhongfu, WANG, Peng, ZHANG, Bin, DAI, Yijun, SONG, Pengfei, TAN, Zhiwen, ZHOU, Shuai, LAI, Yaping, DING, Yanchao
54: GIRDER AND ARCH COMBINATION RIGID FRAME BRIDGE AND PIER CONSTRUCTION METHOD THEREOF
00: -
Provided are a girder and arch combination rigid frame bridge and a pier construction method thereof. The girder and arch combination rigid frame bridge includes a plurality of pile foundations, pile caps and piers, a corresponding pile cap is poured on each pile foundation, a corresponding pier is fixed on each pile cap, and a plurality of piers are fixed at a lower end of the bridge; the bridge includes steel box girders and upper chord box girders, which are connected alternatively, the upper chord box girders are poured and constructed by adopting cable-stayed and buckled-hanged cantilevers, the steel box girders are poured and constructed by adopting hanging basket cantilevers, and upper ends of the piers are fixed in middles of the upper chord box girders; a lower chord arch is arranged between every two adjacent piers.

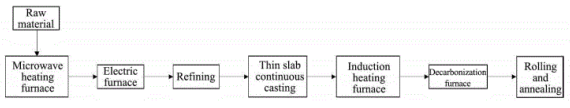


21: 2023/07214. 22: 2023/07/19. 43: 2024/01/24
51: A61N
71: National Cancer Center/National Clinical Research Center for Cancer/Cancer Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College
72: Junjie Miao, Zhiqiang Liu, Jianrong Dai
33: CN 31: 202310616501.1 32: 2023-05-29
54: METHOD AND SYSTEM OF GENERATING RADIOTHERAPY PLAN FOR LUNG CANCER BASED ON DOSE PREDICTION AND AUXILIARY CONTOURS
00: -
The invention provides a method and system for generating lung cancer radiotherapy plan based on dose prediction and auxiliary contours. It belongs to the field of medical device technology. First, case data were obtained for the lung cancer radiotherapy plans. The trained dose prediction model was used to process the data of radiotherapy planning cases, and the dose distribution results of target and organs at risk were obtained. It generates anisotropic auxiliary contours based on the predicted dose distribution combined with dose constraints required for reverse optimization. According to the dose distribution, the dose limits of the target, the organs at risk and the auxiliary contours were obtained. Inverse optimization is performed based on auxiliary contours and dose constraint limits, which in turn generates lung cancer radiotherapy plans. The present invention incorporates the minimum distance distribution from the patient's voxel to the target into model training, and improves the dose prediction accuracy. Using the dose distribution to generate auxiliary contours, the optimization conditions/targets are more reasonable and the design time is reduced. It is beneficial to the protection of lung, and is conducive to the rapid improvement of the planning level of hospitals with less experience in radiotherapy.



21: 2023/07217. 22: 2023/07/19. 43: 2024/01/24
51: H04L
71: Lu'an BoZhanChuangYan Technology Co., Ltd.
72: Zhao Wenjie
33: CN 31: 202310814602.X 32: 2023-07-04
54: WIRELESS ROUTER WITH EMERGENCY BROADCASTING FUNCTIONALITY
00: -
The present invention provides a wireless router with emergency broadcasting functionality. It includes a second controller, a second memory, a WAN network port module, a LAN network port module, and a wireless management module. It also includes a receiving demodulation module, an emergency message extraction module, a first controller, and a first memory. The receiving demodulation module is connected to the emergency message extraction module, and the emergency message extraction module is connected to the first controller. The first controller is connected to the first memory and the second controller, and the second controller is connected to the second memory, the WAN network port module, the LAN network port module, and the wireless management module. When the first controller receives emergency instructions transmitted by wireless broadcast TV signals, it wakes up the second controller and sends the emergency instructions and emergency content to it. The present invention realizes real-time reception of emergency broadcast messages by the wireless router and pushes emergency content to nearby wireless network devices, alerting the audience in a timely manner and reducing losses.

21: 2023/07228. 22: 2023/07/19. 43: 2024/01/24
51: C21B; C21D; C22B; C22C
71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: HONG, Lukuo, SUN, Caijiao, AI, Liqun, GONG, Yuhan, ZHOU, Meijie, ZHANG, Shen
33: CN 31: 202310236084.8 32: 2023-03-13
54: METHOD FOR PREPARING STEEL SHEET STRIPS VIA ELECTRO-HYDROGEN COOPERATION UNDER MICROWAVE RADIATION
00: -
Disclosed is a method for preparing steel sheet strips via electro-hydrogen cooperation under microwave radiation, belonging to the technical field of ferrous metallurgy. The method, which has near-zero carbon emissions, comprises: preparing iron ore pellets from iron ore; preparing high-quality direct reduced iron from the iron ore pellets by means of microwave radiation and reducing gas; performing electric furnace melting and secondary refining on the reduced iron, casting to obtain thin sheet strip material; carrying out electromagnetic induction heating decarbonization on the thin sheet strip material; and finally, carrying out thin strip rolling and heat treatment to obtain a high-quality steel sheet strip.



21: 2023/07229. 22: 2023/07/19. 43: 2024/01/30
51: B65G
71: DALE HOLDINGS (PTY) LTD
72: DALE, Christopher, KRIEL, Francois, RAMSAY, Lyle

33: ZA 31: 2021/00410 32: 2021-01-20
54: SUPPORT LINK FOR A CONVEYOR BELT
00: -

The invention provides for a support link for a self-stacking spiral conveyor belt, which includes a carrier on which a self-stacking spiral conveyor belt is supportable, a set of 5 orthogonally arranged rolling elements connected to the carrier, in use to guide the carrier along a conveyor path and an interlink mountable onto the carrier. The interlink is connectable to a matched interlink of an adjacent support link through couplers disposed on opposing ends thereof, whereby the connection of a plurality of support links results in a support chain. Furthermore, there is provided a supporting frame 10 defining the conveyor path on which the support chain is movable and a motor driving the support chain by means of a drive gear, which interacted with a drive interface disposed on each support link.

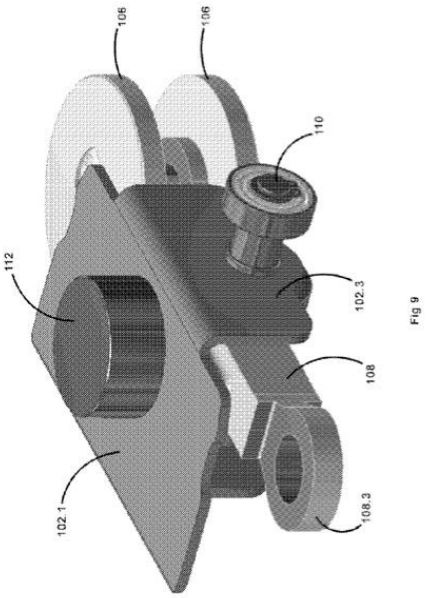
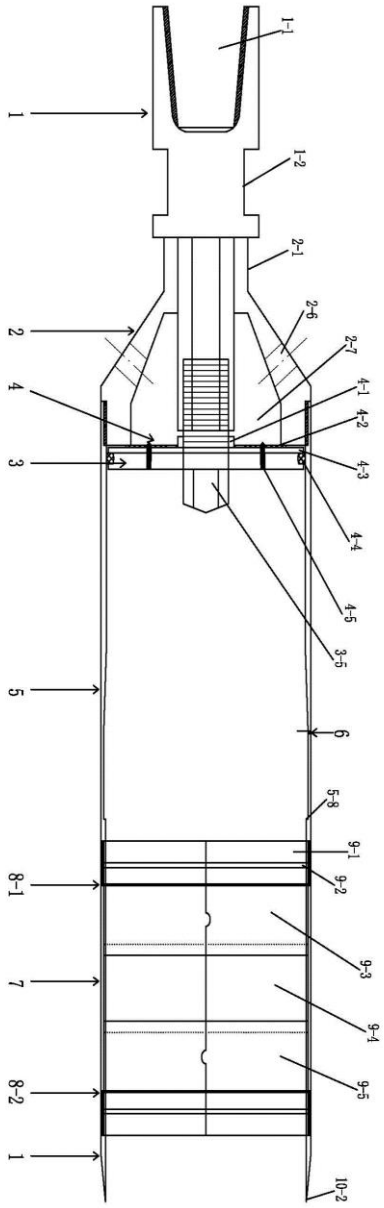


Fig 9

21: 2023/07241. 22: 2023/07/20. 43: 2024/01/24
51: G01N
71: Xi 'an University of Technology
72: Changjun Qi, Zaiqiang Hu, Hongru Li, Xiaoning Han, Xingwei Zhao, Zhenghong Liu, Longfei Zhang, Xiaoliang Wang, Xi Yang
54: A LARGE VOLUME DEVICE SYSTEM AND METHOD FOR MEASURING THE DRY DENSITY OF DIFFERENT DEPTH SOIL LAYERS
00: -

The invention discloses a large volume device system and a method for measuring the dry density of different depths of soil layers. The device system includes a large-diameter soil intake device and a soil sample removal device. The large-diameter soil intake device can disassemble the connected connectors, exhaust components, negative pressure adsorption system, waste soil cylinder, split sample cylinder, cutting cylinder, exhaust components and waste soil cylinder, and a negative pressure adsorption system is arranged in the exhaust components and waste soil cylinder. The negative pressure adsorption system includes a shaft, a self-locking nut, a rubber washer, a pressure plate, a piston ring and a check valve. The connecting component is placed into the exhaust component and connected with the negative pressure adsorption system through the internal thread, and the depth sensor is arranged on the waste soil cylinder component. A waste soil ring, a spacer ring and a sample cylinder are arranged in the split sampling cylinder, and the split sampling cylinder is connected with the lower cutting cylinder through the bottom connection thread; The soil sample removal device is composed of a base, a column, a lifting system and a clasp ring seat, and the circlip seat and lifting system are placed on the column. The lifting system comprises a handle rod, a gear shaft, a gear, a gear sleeve, lifting teeth and a dodging disc; The method includes the following steps: 1. Installation of a large volume earth-taking device; 2. Drilling and clearing holes in the sampled soil layer; 3. Static pressure penetration of the soil taking device; 4. Lifting of large volume soil sampling device and disassembling of split soil sampling cylinder; 5. Acquisition of cylinder samples; 6. Installation of indoor soil removal sample device; 7. Cylinder sample weighing, decomposition and soil sample acquisition; 8. Volume moisture content test; 9. Calculate dry density. The invention has the advantages of convenient operation, accurate control of test accuracy and depth, and high automation level. And it can meet the remaining test samples still meet the requirements of other indoor physical and mechanical index tests for undisturbed samples.



21: 2023/07242. 22: 2023/07/20. 43: 2024/01/24
51: C12N
71: GUIZHOU TOBACCO SCIENCE RESEARCH INSTITUTE
72: YANG Quanliu, LU Xianren, CHEN Yi, WU Youxiang, CHEN Wei, JIANG Chaoying
54: METHOD OF ARTIFICIAL SELECTION AND BREEDING OF NEW STRAIN OF ROASTED TOBACCO
00: -
The invention relates to a method of artificial selection and breeding of a new strain HN0508 (Xiangyan No.5) of roasted tobacco. Firstly, a high-generation stable material LS-1 is bred by using Coker176 as female parent and YZ-03 as male parent after seven generations. Secondly, the self-bred high-generation material LS-1 is used as the female parent and K326 as the male parent to prepare a hybrid combination, and a single plant is selected through disease resistance breeding in the nursery of bacterial wilt and black shank disease. Then, a new strain HN0508 (Xiangyan No.5) is obtained through backcross and self-separation of the progeny plants obtained through the comparative test of excellent strains and lines, which is approved by the National Tobacco Strain Committee in 2015 (approval number: 201512). Therefore, the problems of single planting structure and low self-cultivation level of roasted tobacco strains in Hunan Province are improved, and the rapid development of roasted tobacco strain breeding process is accelerated.

Breeding of female parent LS-1	Year
Coker176 × YZ-03 is used to prepare the hybrid combination, and F1 is added in the same year.	In 2000
↓	↓
F2-F3	In 2001, it is mixed and bred, and it is replaced by F3 that year.
↓	↓
	In 2002, the comparative test of plants and rows begins, and the selection is optimized and the generation is added in the same year
F4-F5	Into F5
↓	↓
F6	In 2003, the plants are compared and optimized
↓	↓
F7(LS-1)	In 2004, plants and rows are compared, and stable high generation materials are bred. LS-1

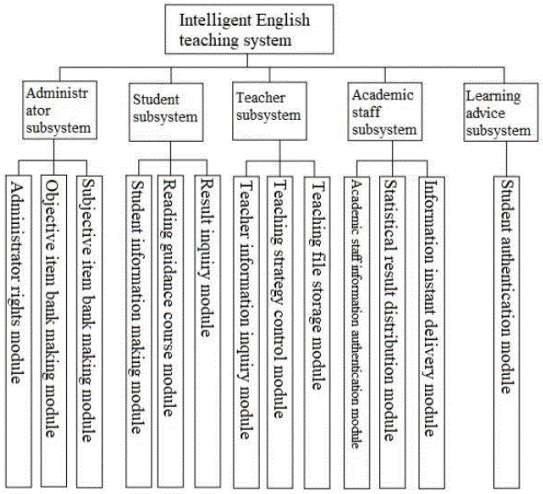
21: 2023/07243. 22: 2023/07/20. 43: 2024/01/30
51: A01N
71: XINJIANG AGRICULTURAL UNIVERSITY
72: LUO, Ming, HAN, Jian, YUAN, Yingzhe, LI, Hongtao
54: METHOD FOR DETERMINING PATHOGENICITY OF E. AMYLOVORA WITH FRAGRANT PEAR (PYURS SINKIANGENSIS YU) BRANCH IN VITRO WATER CULTURE METHOD
00: -
The present invention relates to the technical field of plant protection, and particularly discloses a method for determining pathogenicity of E. amylovora with a fragrant pear (Pyrus sinkiangensis Yu) branch in vitro water culture method, comprising the following steps: (1) preparation of an E. amylovora inoculum; (2) preparation of in vitro branches; (3) inoculation; and (4) observation of an inoculation result and evaluation on pathogenicity. The method of the

present invention is simple, convenient and feasible, is stable in pathogenicity performance of pathogenic bacteria, good in repeatability and reliable in results, and may accurately reflect the pathogenicity and pathogenicity strength of the E. amylovora. In actual operation, the method may be performed in a batch, and has the advantages of small occupied space, conservation of labor cost and shortening of an experimental period. Therefore, the method of the present invention is suitable for popularization and application.

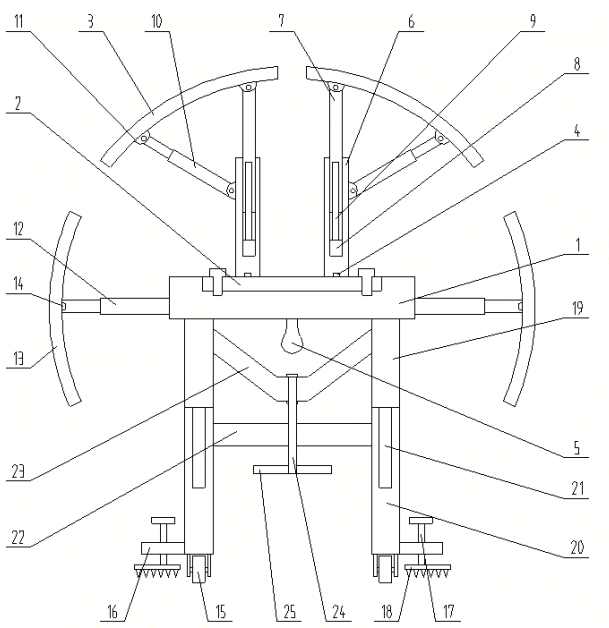
21: 2023/07244. 22: 2023/07/20. 43: 2024/01/30
51: A01H
71: XINJIANG AGRICULTURAL UNIVERSITY
72: LUO, Ming, HAN, Jian, LI, Hongtao, YUAN, Yingzhe
54: METHOD FOR RAPIDLY IDENTIFYING DISEASE RESISTANCE TO FIRE BLIGHT DISEASE BY IN VITRO BRANCH INOCULATION
00: -
The present invention relates to the technical field of plant protection, and particularly discloses a method for rapidly identifying disease resistance to fire blight disease by in vitro branch inoculation, comprising the following steps: (1) preparation of an Erwinia amylovora inoculum; (2) preparation of in vitro branches; (3) inoculation; and (4) evaluation on variety resistance. The method for identifying and evaluating the disease resistance to the fire blight disease provided by the present invention combines disease symptoms with pathogen quantification by the molecular biological technique. The method is rapid, simple, convenient, standardized and practical, is accurate and reliable in results, and is suitable for rapid identification and screening of disease resistance of a large quantity of materials.

21: 2023/07245. 22: 2023/07/20. 43: 2024/01/30
51: A01C
71: XINJIANG AGRICULTURAL UNIVERSITY
72: LUO, Ming, MA, Xia, LI, Weijun, HAN, Jian
54: APPLICATION METHOD FOR INOCULATING RHIZOBIA TO PROMOTE YIELD INCREASE AND QUALITY IMPROVEMENT OF SUBSURFACE DRIP IRRIGATION MEDICAGO SATIVA L.
00: -
A method for inoculating rhizobia to promote yield increase and quality improvement of subsurface drip irrigation Medicago sativa L. (“Alfalfa”), including: soaking Alfalfa. seeds in rhizobia liquid for 30 min, drying the seeds in shade, sowing the seeds; dropwise applying the rhizobia liquid once with the first drop of water; after cutting the first-cut Alfalfa, dropwise applying the rhizobia liquid with the second-cut Alfalfa. recovering water, and applying nitrogen fertilizer; after the second-cut Alfalfa is harvested, dropwise applying the rhizobia liquid with the third-cut Alfalfa recovering water, applying nitrogen fertilizer. The rhizobia liquid is dropwise applied into soil of an Alfalfa root zone during water irrigation by using buried capillaries of subsurface drip irrigation, so that the controllable, uniform and targeted application of the fungicide is realized; compared to conventional methods, the colonization density, nodule number and nodule occupancy of the rhizobia in rhizosphere of the Alfalfa is increased significantly.

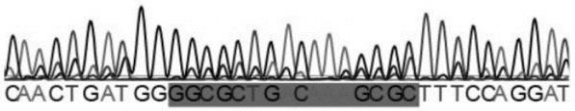
21: 2023/07246. 22: 2023/07/20. 43: 2024/01/24
51: G09B
71: Hebei Chemical and Pharmaceutical College
72: ZHANG, Huiyan
33: CN 31: 2023106186662 32: 2023-05-29
54: INTELLIGENT ENGLISH TEACHING SYSTEM
00: -
The present invention discloses an intelligent English teaching system and relates to the technical field of software systems for teaching. The system includes: an administrator subsystem, configured to authenticate administrator rights and to make an objective item bank and a subjective item bank; a student subsystem, configured to authenticate identity information of students, to implement a reading guidance course and to announce results to parents; a teacher subsystem, configured to authenticate identity information of teachers, to control teaching strategies and to realize teaching file storage; an academic staff subsystem, configured to authenticate identity information of academic staffs, to distribute statistical results and to issue various notifications; and a learning advice subsystem, configured to give reasons of mistakes according to practice results of the students and to give practice advice. The English teaching system features diversified functions, high degree of intelligentialization and so forth.



21: 2023/07247. 22: 2023/07/20. 43: 2024/01/24
51: E04G; E21D
71: CHINA RAILWAY 14TH BUREAU GROUP CORPORATION LIMITED, North China University of Water Resources and Electric Power
72: SUN Lijun, WANG Decai, HE Kuang, GUO Changlong, FU Jinwei
54: SUBWAY TUNNEL CONSTRUCTION SUPPORT
00: -
The invention discloses a subway tunnel construction support, which comprises a mounting plate, wherein legs are fixed at four corners of the bottom end of the mounting plate; a groove is formed at the top end of the mounting plate; a cover plate is detachably installed in the groove; two adjustable upright posts are fixed at the top end of the cover plate; a support frame is installed at the top of the two adjustable upright posts; and the adjustable upright posts are rotatably connected with a first arc baffle through the support frame; a first pressure-type load cell is fixed at the connection surface between the cover plate and the adjustable upright post; the bottom end of the mounting plate is fixedly connected with an alarm lamp, and the alarm lamp is electrically connected with the first pressure-type load cell through a wire. According to the invention, the pressure borne by the first arc baffle is monitored through the first pressure-type load cell, and when the pressure value exceeds the set value, the alarm lamp gives an alarm according to the signal sent by the first pressure-type load cell, so that workers are reminded to leave the tunnel quickly, and the effect of reducing the potential safety hazard of the workers is achieved.

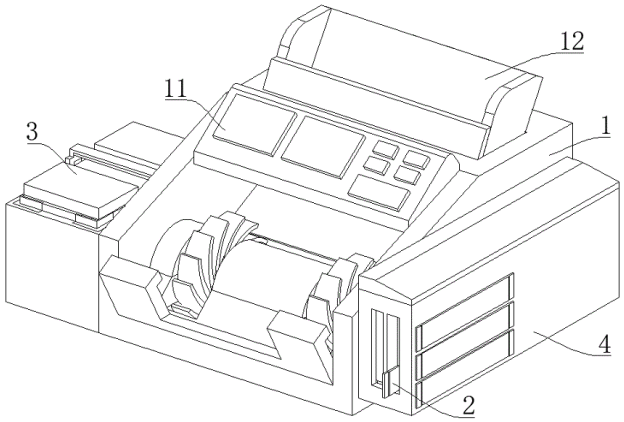


21: 2023/07248. 22: 2023/07/20. 43: 2024/01/30
51: C12N; C12Q
71: Shandong Agricultural University
72: GAO Zhen, DU Yuanpeng, SU Yifan, YAO Yuxin, LI Jing
54: RESEARCH METHOD FOR LOCALIZATION DETECTION OF CIRCRNA IN PLANTS
00: -
The invention provides a research method for localization detection of circRNA in plants, which can detect the location of any circRNA by synthesizing a single probe, and can provide a way for solving the lack of research on the location of circRNA in plants at present.

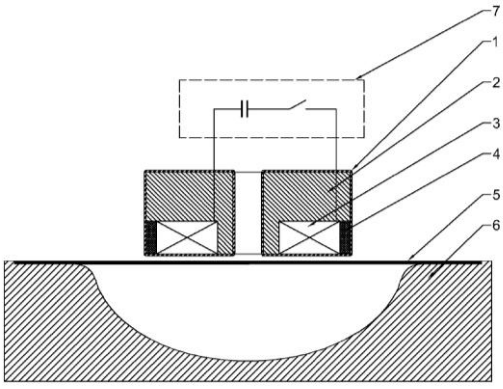


21: 2023/07249. 22: 2023/07/20. 43: 2024/01/30
51: G06Q
71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY
72: WANG, Yong, DOU, Jiali
54: PRACTICAL TEACHING INTEGRATED EQUIPMENT FOR FINANCIAL COUNTING NOTES AND BUNDLING NOTES
00: -

The present disclosure relates to the field of financial equipment technology, in particular to a practical teaching integrated equipment for financial counting notes and bundling notes which includes a banknote counting module, a banknote bundling belt, a banknote box, and a flattening box. The banknote box and the flattening box are symmetrically installed on both sides of the banknote counting module, and magnetic heads are set at the front and rear ends of the banknote bundling belt, and the magnetic heads are adsorbed on the right side of the flattening box. The flattening roller and the middle roller are extruded to form a reciprocating bending channel. The used banknote bundling belt can be inserted into the channel. The banknote bundling belt is reversed by the reversing belt after flattening, and is pushed out for repeated use under the cooperation of the pushing roller and the middle roller.



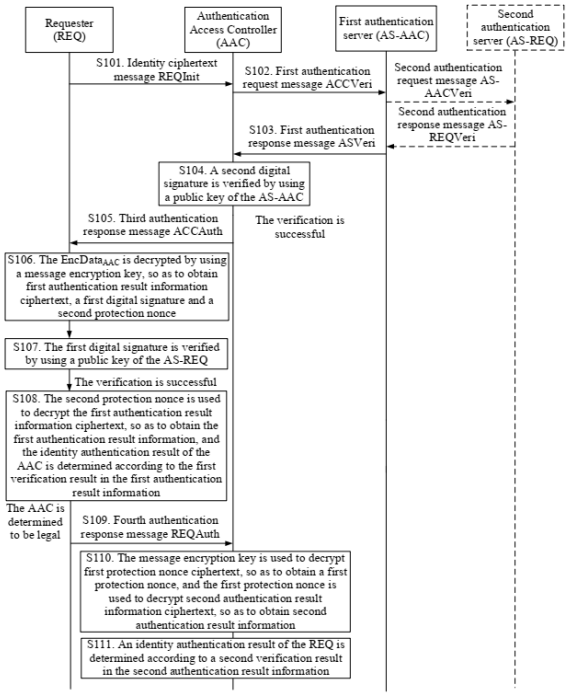
21: 2023/07264. 22: 2023/07/20. 43: 2024/01/24
51: B21D; H01F
71: HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: LI, Liang, ZHENG, Yu, LAI, Zhipeng, CAO, Quanliang, HAN, Xiaotao, XU, Wei, LI, Shunqiang
33: CN 31: 202011532213.0 32: 2020-12-23
54: METHOD AND DEVICE FOR AXIALLY REINFORCING ELECTROMAGNETIC FORMING COIL
00: -
Disclosed are a method and device for axially reinforcing an electromagnetic forming coil; the method comprises the following steps: (1) winding a metal conductor around a coil skeleton, and uniformly applying curing glue simultaneously; (2) after exit is finished, uniformly winding fiber materials around the outer side of the conductor, and uniformly applying curing glue simultaneously, so that the fibers are fully impregnated; (3) winding axial reinforcement fibers after sufficient curing, wherein each group of axial reinforcement fibers is repeatedly wound through a central hole along a radius and is tightened; and (4) after winding is finished, applying curing glue to the surfaces of the fibers until the fibers are sufficiently impregnated, and after sufficient curing, completing axial reinforcement. During electromagnetic forming, a coil is subjected to a reversed and axially pulsed electromagnetic force, and the conductor inside the coil is prone to axial displacement and even disintegration after long-term use of the coil, resulting in the destruction of a magnet. By means of applying axial reinforcement to the electromagnetic forming coil, an effective restraint is provided in the axial direction of the coil, and the service life of the electromagnetic forming coil is effectively prolonged.



21: 2023/07267. 22: 2023/07/20. 43: 2024/01/24
51: C12N
71: CHINA AGRICULTURAL UNIVERSITY
72: LIU, Guoshi, YAO, Yujun, LI, Guangdong, WU, Hao, ZHANG, Lu, LIAN, Zhengxing, LV, Dongying
33: CN 31: 202011568176.9 32: 2020-12-25
54: USE OF RESVERATROL IN CELL ELECTROTRANSFECTION AND ELECTROTRANSFECTION SOLUTION
00: -
The present invention belongs to the technical field of biology. Specifically disclosed is the use of resveratrol in cell electrotransfection, and further disclosed are an electrotransfection solution containing resveratrol and a method for cell electrotransfection. By means of the present

invention, resveratrol is added to electrotransfected cells, and tests prove that the electrotransfection efficiency of fibroblasts can be improved, and the objective of improving the electrotransfection efficiency without influencing cell growth can be achieved. Resveratrol is naturally harmless, is safe to cells, and provides a safeguard for the use thereof in the birth of transgenic animals.

21: 2023/07276. 22: 2023/07/20. 43: 2024/01/30
51: H04L
71: CHINA IWNCOMM CO., LTD.
72: TIE, Manxia, CAO, Jun, LAI, Xiaolong, ZHAO, Xiaorong, LI, Qin, ZHANG, Bianling, WANG, Yuehui
33: CN 31: 202011569219.5 32: 2020-12-26
54: IDENTITY AUTHENTICATION METHOD AND APPARATUS, DEVICE, CHIP, STORAGE MEDIUM, AND PROGRAM
00: -
An identity authentication method and apparatus, a device, a chip, a storage medium, and a program. Confidentiality processing is performed on identity information of a requesting device and an authentication access controller, such that the identity information of the requesting device and the authentication access controller is prevented from being exposed during a transmission process, thereby ensuring that an attacker cannot obtain private and sensitive information of the requesting device and the authentication access controller. In addition, by means of involving an authentication server, mutual identity authentication of the requesting device and the authentication access controller is realized while the confidentiality of information related to an entity identity is ensured.



21: 2023/07280. 22: 2023/07/21. 43: 2024/01/24
51: A01N
71: Huzhou Agricultural Science and Technology Development Center
72: Yin Yiming, Shi Xingyun, Xu Shanshan, Qian Wenchun, Liu Liping, Wang Li, Ding Fuquan, Guo Liangyong, Lu Hongying, Pei Huimin, Zhang Yichao
33: CN 31: 2023105255190 32: 2023-05-11
54: BACILLUS ATROPHAEUS SXYGJ-3 FOR THE CONTROL OF CITRUS SOUR ROT, BIOLOGICAL BACTERIAL AGENT AND APPLICATION THEREOF
00: -
The invention provides a bacillus atrophaeus SXYGJ-3 for the control of citrus sour rot, a biological bacterial agent, and application thereof. The Bacillus atrophaeus SXYGJ-3, conserved in the China General Microbiological Culture Collection Center, conservation number: CGMCC No. 26808. The antagonistic Bacillus atrophaeus SXYGJ-3 strain of the invention is extremely effective in the control of citrus sour rot and has a strong inhibitory effect on citrus sour rot bacteria, with a very good potential for the control of plant diseases caused by Citrus sour rot bacteria. It provides an environmentally friendly, simple, and effective way to control plant diseases caused by Citrus sour rot bacteria as a bacterium in cultivated soil in citrus growing areas, which is beneficial to environmental protection.

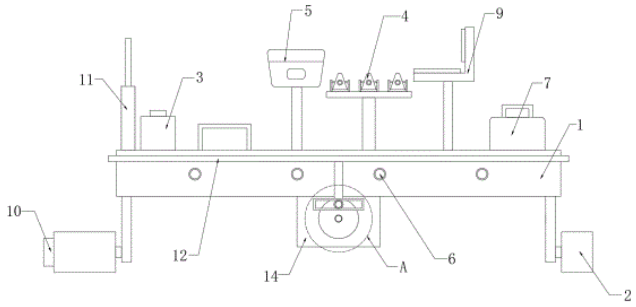


21: 2023/07282. 22: 2023/07/21. 43: 2024/01/24
51: B25J
71: China Jikan Research Institute of Engineering Investigations and Design, Co., Ltd.
72: Yonglin YANG, Chao YANG, Jie CAO, Zaixin WAN, Dongfeng PAN, Peng GAO, Yuanqiang ZHOU, Jian CHEN, Teng YANG, Hui LI, Dongjing WANG, Xiao DONG, Long ZHANG, Zhi LIU, Zhenhong WEI, Weiwei ZHAO

54: AN INTELLIGENT MULTI-SENSORY TRACK INSPECTION ROBOT SYSTEM

00: -

The present invention patent relates to the field of track intelligent detection technology, and discloses an intelligent multi-sensory track detection robot, including a car body, setting a wireless antenna, a laser scanner, a positioning and navigation device, a trinocular camera, an industrial computer and a power module on the upper side of the car body from left to right in turn, the side wall of the car body is embedded with an obstacle detection module, electric rollers are set on both sides of the car body, a displacement sensor is arranged inside the electric roller on one side, sidewalls of the car body are provided with matching sets of a scraping frame, the lower side of the car body is provided with a transmission mechanism that drives the scraping frame to move back and forth. The present invention patent can realize multi-source acquisition of track data, and has high integration and convenient use, and the obstacle detection function is set up to effectively ensure the safety of robot movement.

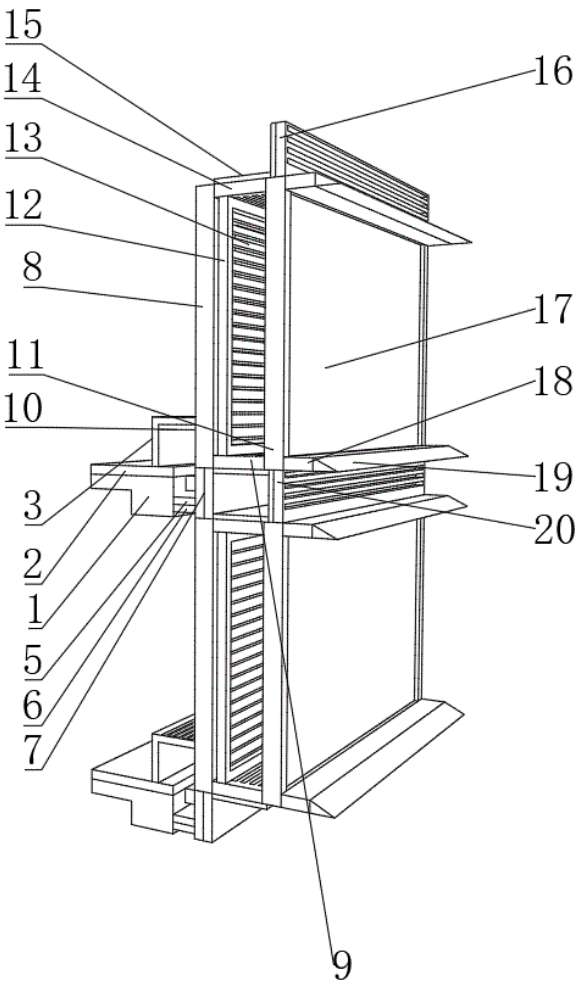


21: 2023/07287. 22: 2023/07/21. 43: 2024/01/30
51: E04B
71: Xinyu University
72: Liu Yulong, Huang Xuewen, Gong Xiaolin, Liu Chengyu, Li Yunling, Li Yanbing, Li Yunming, Yan Xiaoqin

54: DOUBLE-LAYER PHOTOVOLTAIC GLASS CURTAIN WALL WITH NATURAL VENTILATION AND HEAT DISSIPATION

00: -

Disclosed is a double-layer photovoltaic glass curtain wall with natural ventilation and heat dissipation, including a structural beam, uniformly distributed floor plates are fixedly connected to a top of the structural beam; uniformly distributed first cross beams are fixedly connected to a middle position of a front end of the structural beam, uniformly distributed second cross beams are fixedly connected to a front bottom end of the structural beam, stand columns are fixedly connected to front ends of the first cross beams and the second cross beams, and inner limiting brackets are fixedly connected to a top and a bottom of the stand column. According to the present invention, the outside air can be sent to the inner limiting bracket and an outer limiting bracket via a first air inlet and a second air inlet, the air in the inner limiting bracket and the outer limiting bracket can be circulated via a first ventilation opening barrier and a second ventilation opening barrier, the outside air can be filtered via a filter cotton, and the air can be filtered again via an activated carbon plate arranged on an air outlet.

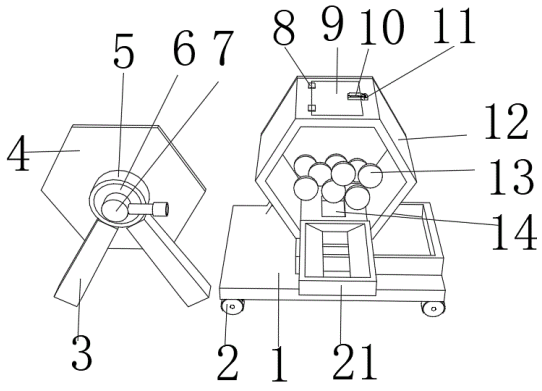


21: 2023/07288. 22: 2023/07/21. 43: 2024/01/30
51: G09B
71: XinYu University
72: Feng Daoming, Liu Kai, Huang Yulong, Huang Xinren, Pan Cheng

54: A PROBABILITY DEMONSTRATION MODEL FOR MATH TEACHING

00: -

The invention discloses a probability demonstration model for math teaching, and the probability demonstration model for math teaching includes a material box, wherein the front and rear ends of the outer wall of the material box side plates are fixedly connected with side plates, the central position of the rear-end side plate is fixedly connected with a first connecting shaft, the central position of the rear end of the first connecting shaft is fixedly connected with a rotating shaft, and the right side of the outer diameter of the rotating shaft is fixedly connected with a handle. In the invention, when the probability demonstration model is used, the clamping piece releases the sub-clamping piece from the upper part of the material box, and then the door can be opened to rotate, so that balls of different colors can be put in from the door.



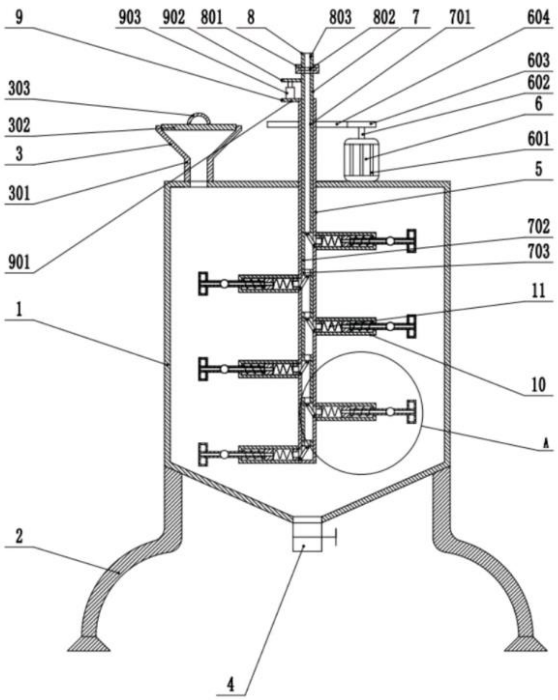
21: 2023/07292. 22: 2023/07/21. 43: 2024/01/31
51: C09K
71: CHINA PETROLEUM & CHEMICAL CORPORATION, SINOPEC (BEIJING) RESEARCH INSTITUTE OF CHEMICAL INDUSTRY CO., LTD.
72: YANG, Jinbiao, YI, Zhuo, LIU, Xi, ZHU, Lunyu, FANG, Zhao, HU, Xiaona, LI, Yajing, ZHANG, Ruiqi
33: CN 31: 202011552715.X 32: 2020-12-24
33: CN 31: 202011552736.1 32: 2020-12-24
33: CN 31: 202011554138.8 32: 2020-12-24
33: CN 31: 202110049341.8 32: 2021-01-14

54: PLUGGING AGENT FOR OIL EXTRACTION IN OILFIELD AND A PREPARATION METHOD THEREFOR AND APPLICATION THEREOF

00: -

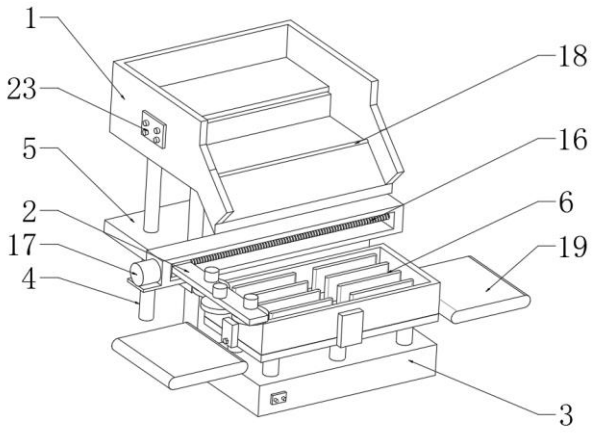
The present invention relates to the field of oilfield plugging agents, and in particular to a plugging agent for oil extraction in an oilfield and a preparation method therefor and an application thereof. The plugging agent contains ligninamide. The plugging agent can be controlled to form a gel in a wide range of reservoir degree, so that temperature resistance is improved and the gel has high strength; the plugging agent has the characteristics of high system viscosity, high plugging strength, high applicable temperature, and the like, so that the production cost of a water plugging and profile control system is effectively reduced, the requirements for the performance of on-site construction, economy, and environmental protection are satisfied, and the practicability is high.

21: 2023/07313. 22: 2023/07/21. 43: 2024/01/31
51: B01F
71: North China University of Science and Technology
72: Wang Yongheng
33: CN 31: 202310543686.8 32: 2023-05-15
54: DISINFECTION FUNGICIDE MIXER
00: -
The present invention discloses a disinfection fungicide mixer, relates to the technical field of the disinfection fungicide mixer, including a box body, a bottom of the box body is fixedly connected to a supporting leg, a top of the box body is fixedly connected to a feeding mechanism, a bottom of the box body is fixedly connected to a discharge port, a rotation sleeve and a driving mechanism are provided on the box body, a material conveying pipe mechanism is rotated and connected in the rotation sleeve, the material conveying pipe mechanism is fixedly connected to the feeding mechanism, a spacing adjustment mechanism is fixedly connected between the rotation sleeve and the rotation feeding mechanism, a plurality of telescopic pipe mechanisms are fixedly connected in the rotation sleeve, a pressure regulating mechanism is provided between the material conveying pipe mechanism and the telescopic pipe mechanism. The present invention can drive the rotation sleeve by setting the driving mechanism, the telescopic pipe mechanism is driven to rotate, so as to stir and mix the materials. The relative position of the rotation sleeve and the material conveying pipe mechanism can be adjusted by the spacing adjustment mechanism, and the state of the telescopic pipe mechanism can be adjusted by the pressure regulating mechanism.



21: 2023/07314. 22: 2023/07/21. 43: 2024/01/31
51: B28B
71: Anhui Nongke Jiuhong Animal Husbandry Technology Co., Ltd
72: Yang Qing
54: FECAL LEAKAGE BOARD PRODUCTION EQUIPMENT
00: -
The invention discloses a fecal leakage board production equipment, wherein the equipment includes a feeding mechanism, a grinding mechanism and a vibrating platform; the lower surface of the feeding mechanism is fixedly connected with support legs, the outer surfaces of the support legs are fixedly connected with a supporting platform, and the upper surface of the vibrating platform is provided with fecal leakage board molds; the feeding mechanism includes a concrete charging box, the inner wall of a cavity is slidably connected with a U-shaped push plate, the inner wall of the U-shaped push plate is fixedly connected with a hydraulic push rod, and the lower end of the concrete charging box is fixedly connected with a discharge hopper. The feeding mechanism and the concrete charging box are arranged, so that concrete can be loaded; the hydraulic push rod, the U-shaped push plate and the discharge hopper are arranged, the U-shaped push

plate is pushed by the hydraulic push rod, and then the concrete on the surface of the concrete charging box is pushed by the U-shaped push plate, so that the concrete can be automatically pushed into the fecal leakage board mold, instead of manual pushing with a shovel or a rake, thus greatly saving manpower and improving efficiency.

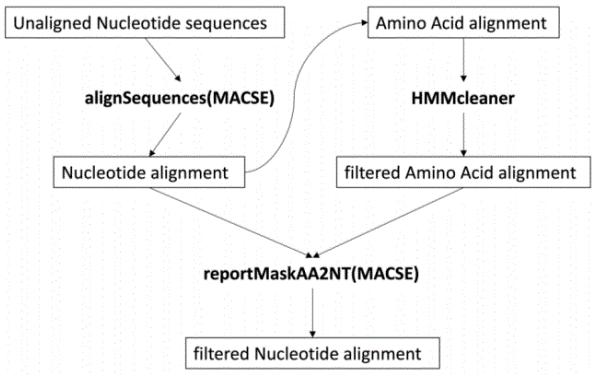


21: 2023/07320. 22: 2023/07/24. 43: 2024/01/30
51: C12N
71: Kunming Institute of Botany, Chinese Academy of Sciences
72: HE, Zhengshan, YANG, Junbo, ZENG, Chunxia, YANG, Zhiyun

54: METHOD FOR FILTERING NONHOMOLOGOUS FRAGMENTS IN SEQUENCE MATRIX OF ORTHOLOGOUS NUCLEAR PROTEIN-CODING GENES

00: -

The present invention provides a method for filtering nonhomologous fragments in a sequence matrix of orthologous nuclear protein-coding genes based on two segmental-filtering methods and belongs to the field of plant molecular biotechnology. A process-oriented filtering method (HMMcleaner plus MACSE) is performed on hundreds and thousands of sequence matrixes of orthologous nuclear protein-coding genes obtained by using Target enrichment or Alignment based extraction, so a nonhomologous alignment problem caused by residual intron sequence fragments therein can be solved. The method is different from ordinary software used in the field of plant molecular biotechnology. Through combining of two pieces of fragmental-filtering method software, residual intron fragments arised from the process of acquiring the sequence matrix of orthologous nuclear protein-coding genes can be effectively filtered.



21: 2023/07321. 22: 2023/07/24. 43: 2024/01/30
51: C08K
71: XINJIANG AGRICULTURAL UNIVERSITY, Biotechnology Research Institute, CAAS
72: LUO Ming, YASEN·Shali, HAN Jian, HU Yanan, ZHANG Yuhong

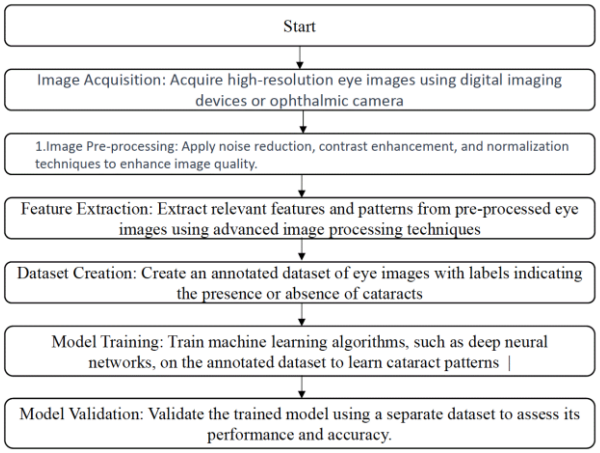
54: BACTERIAL AGENT FOR DEGRADING POLYETHYLENE FILM AND ITS APPLICATION

00: -

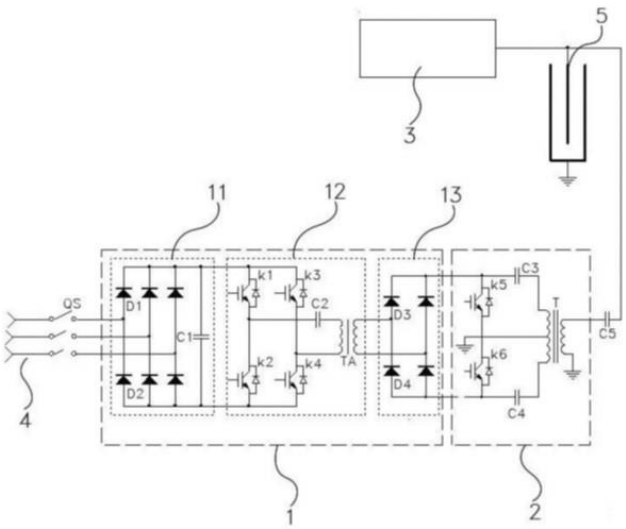
The present invention discloses a bacterial agent for degrading polyethylene film and its application. The inoculum includes Bacillus cereus DLM-D4-1. It is a new strain isolated and screened from the intestines of the larvae of the Galleria mellonella in the artificially raised honeybee hives in Xinjiang, and has been identified as a new strain. It was stored in the China General Microbiological Culture Collection Center of China microbe preservation management committee on November 13, 2019. The deposit address is China General Microbiological Culture Collection Center Institute of Microbiology Chinese Academy of Sciences NO.1 West Beichen Road, Chaoyang District, Beijing, and the deposit number is CGMCC NO.18946. This strain can use polyethylene as the sole carbon source for growth and can adhere to the polyethylene film to form a dense biofilm, which can erode and efficiently degrade the polyethylene film. The weight loss rate of the film degradation after 30 days reaches 8.07%. It has resistance to high and low temperatures, salt, acid, alkali and drought, providing a new strain resource with strong environmental adaptability for the biodegradation of polyethylene film.



21: 2023/07322. 22: 2023/07/24. 43: 2024/01/30
51: A61B
71: Glocal University
72: Ms. Rashda Rahman, Mr. Mohit Kumar, Dr. Pramod Kumar, Dr. P . K . Bharti, Dr. Sanjay Kumar
33: IN 31: 202311038982 32: 2023-06-07
54: AI-DRIVEN SYSTEM FOR EARLY DETECTION AND DIAGNOSIS OF CATARACTS THROUGH IMAGE RECOGNITION AND MACHINE LEARNING ALGORITHMS
00: -
The present invention relates to an innovative AI-based system for the early detection and diagnosis of cataracts using image recognition and machine learning algorithms. By analyzing images of the eye, this system can identify early signs of cataracts and enable timely treatment, potentially preventing vision impairment and improving patient outcomes. The combination of advanced image processing techniques and machine learning algorithms makes this system a powerful tool in the field of ophthalmology.



21: 2023/07349. 22: 2023/07/25. 43: 2024/01/30
51: H03K
71: ZHEJIANG JIAHUAN ELECTRONICS CO., LTD
72: JIANG, Qinglong, WANG, Renjing, FANG, Huahua, ZHOU, Zhaoji, DU, Hong
54: HIGH-POWER AND HIGH-VOLTAGE PULSE GENERATING CIRCUIT
00: -
The present invention discloses a high-power and high-voltage pulse generating circuit, which comprises a high-frequency DC charging circuit and a high-voltage pulse circuit. The high-frequency DC charging circuit is composed of a rectifier filter circuit, a high-frequency inverter booster circuit and a high-frequency rectifier circuit which are successively connected. The high-voltage pulse circuit comprises a pulse transformer and two IGBT electronic switches. Both ends of a primary side of the pulse transformer are connected to positive and negative output ends of the high-frequency DC charging circuit respectively through energy storage capacitors, are connected by an IGBT electronic switch respectively and are jointly grounded with a middle tap of the primary side of the pulse transformer. Two energy storage capacitors form two LC resonant rings connected in series respectively with a connected coil leakage inductor of the pulse transformer and an equivalent capacitor on a capacitive load.

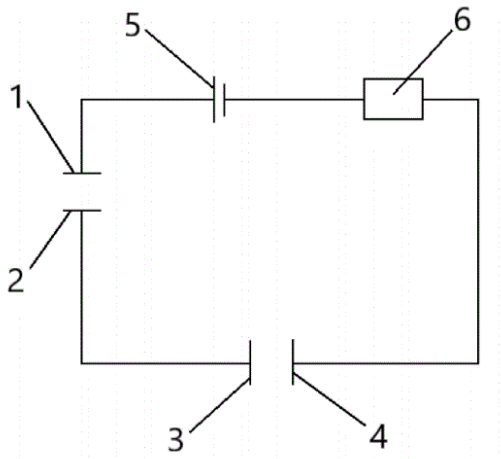


21: 2023/07352. 22: 2023/07/25. 43: 2024/01/30
51: B60T
71: Shandong First Medical University and Shandong Academy of Medical Sciences
72: LIN, Xiaohui, LIN, Ruoxuan, ZHAO, Chuanhua, DONG, Bing

54: ALARM DEVICE USED IN CASE OF NOT ENABLING PARKING BRAKE BY DRIVER AT TIME OF LEAVING SEAT

00: -

Disclosed is an alarm device used in the case of not enabling a parking brake by a driver at the time of leaving a seat. The alarm device includes a first conductive sheet, a third conductive sheet, a fourth conductive sheet, an elastic member, a power supply and a sounding device; under action of elastic force of the elastic member, the fourth conductive sheet can abut against the third conductive sheet, and the fourth conductive sheet is provided with a pressing part; and the power supply and the sounding device, the sounding device and the fourth conductive sheet, the second conductive sheet and the third conductive sheet, and the first conductive sheet and the power supply are all electrically connected by means of wires.

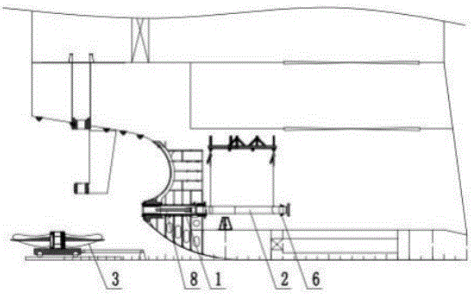


21: 2023/07353. 22: 2023/07/25. 43: 2024/01/30
51: B63B
71: Zhejiang International Maritime College
72: YANG, Jiali, LIU, Zailiang

54: SHAFT SYSTEM LIFTING AND PROPELLER INSTALLATION PROCESS

00: -

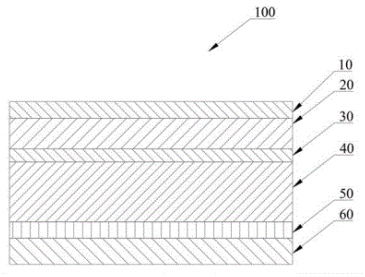
Disclosed is a shaft system lifting and propeller installation process. The process sequentially includes the steps of early-stage preparation, propeller shaft lifting, propeller hydraulic assembling, installation of front and rear sealing devices of propeller shafts, installation of intermediate shafts, installation of rope guards or fishing net cutters, and temporary fixation of shaft systems before a launch and the like. The shaft systems and propellers are installed one by one from tail to head so as to be conveniently centered one by one from tail to head with the tail shaft end as the standard and connected to a main machine after a ship is launched, the influence caused by hull deformation generated after the ship is launched on the shaft system installation quality can be reduced through the process sequence, and the installation quality is guaranteed.



21: 2023/07354. 22: 2023/07/25. 43: 2024/01/30
51: C09D
71: Changshu Institute of Technology
72: Chunhai YANG, Xue LI, Ning ZHOU, Bing CHEN, Xiuli HU
54: A FIRE RETARDANT COATING OF METAL SURFACE
00: -
The present invention discloses a fire retardant coating of metal surface, by weight, including: composite matrix resin 45~60 phr, cyanuramide 6~8 phr, pentaerythritol 6~8 phr, ammonium polyphosphate 16~20 phr, expandable graphite 4~10 phr, nano-magnesium hydroxide 2~5 phr, zinc phosphate 1~3 phr, zinc borate 1~3 phr, aluminum hydroxide 2~5 phr, aluminium polyphosphate 3~5 phr, titanium dioxide 6~9 phr, leveling agent 0.5~0.8 phr, acetone 15~20 phr. This product can reach the fire resistance limit of 140 minutes. Whether it is the evacuation of personnel during the fire, the firefighting of firefighters, or the transfer of property, it has won enough time; Whether its film-forming property, bond performance or weather resistance, it reflects higher performance

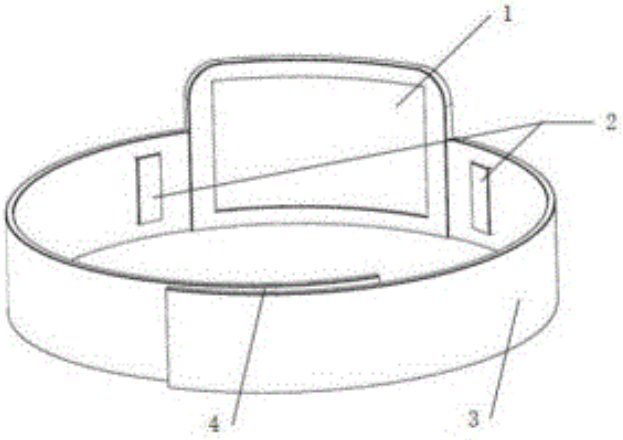
---

21: 2023/07357. 22: 2023/07/25. 43: 2024/01/30
51: C08L
71: Zhejiang Shengkangyuan New Material Co., Ltd.
72: YE, Wenjin, KONG, Xiangxi, DONG, Xiaoping, WU, Yan, ZHOU, Xuying, KONG, Aijuan, CHEN, Li
54: PETG DECORATIVE FILM MATERIAL AND PREPARING METHOD THEREOF
00: -
The present invention relates to a poly (ethylene terephthalateco-1,4-cylclohexylenedimethylene terephthalate) (PETG) decorative film material and a preparing method thereof. The PETG decorative film of the present invention includes a PE film layer, a PETG film layer, a glue adhesive layer, glue-dipped aramid woven fabric, an adhesive layer, and a release paper layer. The PE film layer, the PETG film layer, the glue adhesive layer, the glue-dipped aramid woven fabric, the adhesive layer, and the release paper layer are stacked in sequence. The PE film layer and the PETG film layer are prepared as a whole by co-extrusion molding. The glue-dipped aramid woven fabric is obtained by weaving aramid yarns into fabric and then glue-dipping and flattening the fabric. The adhesive layer glues the PE film layer and the PETG film layer together. The PETG film layer includes: PETG, polyvinyl chloride (PVC), compatibilizer, color master batches, and antioxidants.



21: 2023/07358. 22: 2023/07/25. 43: 2024/01/30
51: A61B
71: Taiyuan University of Technology, Second Hospital of Shanxi Medical University, Shanxi Huajin Orthopedic Hospital, Shanxi Provincial People 's Hospital, Shanxi Bethune Hospital
72: Meng ZHANG, Xiaogang WU, Yanru XUE, Xinying LIU, Pengxin XUE, Jing CHEN, Xiaobin WANG, Quanyou ZHANG, Hongmei GUO, Yanqin WANG, Weiyi CHEN, Pengcui LI, Xiaochun WEI, Kai ZHANG, Yongwang ZHAO, Yonghong WANG, Liming HE, Haoyu FENG
54: AN INTELLIGENT BODY TEMPERATURE MONITORING AND COOLING DEVICE AND ITS USE METHOD
00: -
The present invention discloses an intelligent body temperature monitoring and cooling device and its use method, including a temperature sensor, a cooling paste and a monitoring display part arranged outside the cooling paste, the two sides of the cooling paste are connected with breathable non-woven fabric respectively, the end of the breathable non-woven fabric is provided with a sticky chain structure, the temperature sensor is installed on the ordinary breathable non-woven fabric; the monitoring display part includes a display screen, a power switch, a detection button, a button battery, a main control chip, and a Bluetooth module, the button battery is powered by the main control chip, the main control chip is connected to the display screen and the temperature sensor wire respectively, and the main control chip is connected to the mobile phone signal through the Bluetooth module. The present invention adopts an intelligent temperature monitoring and cooling device and its method of use with the structure described above, which can effectively and accurately give historical records,

short-term predictions, and personalized recommendations, and the overall design is compact and lightweight, making it easy to carry.

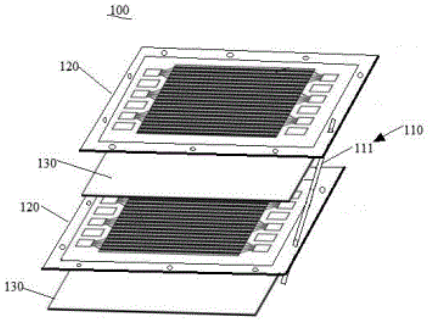


21: 2023/07359. 22: 2023/07/25. 43: 2024/01/30
51: C09K
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: DONG, Guangfeng, SONG, Shaoxian, MA, Songliang, YI, Hao, SIMAYI, Reshalaiti, GUO, Cong, WANG, Zhen, XIANG, Xiaocheng, YOUNUSI, Zulikaier
54: COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT WITH HIGH CYCLE PERFORMANCE AND PREPARATION METHOD THEREFOR
00: -
The invention relates to the technical field of phase change cold storage agents, and in particular to a composite low-temperature phase change cold storage agent with high cycle performance and a preparation method therefor. The composite low-temperature phase change cold storage agent with high cycle performance of the present invention includes the following components by mass: 1-20 percent of sodium chloride, 6-14 percent of sodium polyacrylate super absorbent resin, 4-7 percent of polyalkylcyanoacrylate and the balance water. The composite low-temperature phase change cold storage agent with high cycle performance of the present invention has high viscosity and small fluidity, and can effectively prevent leakage accidents and avoid pollution. In addition, that composite low-temperature phase change cold storage agent with high cycle performance has excellent cycle performance and can be recycled multiple times, thereby not only saving the transportation and preservation cost, but also reducing pollution pressure on an environment.

21: 2023/07360. 22: 2023/07/25. 43: 2024/01/30
51: C09K
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: DONG, Guangfeng, SONG, Shaoxian, MA, Songliang, YI, Hao, XIANG, Xiaocheng, GUO, Cong, WANG, Zhen, LU, Liling, FANG, Jingrong
54: COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT AND PREPARATION METHOD THEREFOR
00: -
The present invention relates to the technical field of phase change cold storage agents, and in particular to a composite low-temperature phase change cold storage agent and a preparation method therefor. The composite low-temperature phase change cold storage agent provided by the present invention includes the following components by mass: 2-5 percent of polyvinyl alcohol, 0.5-2 percent of hectorite, 2-10 percent of sodium chloride, 0.002-0.006 percent of edible pigment, 0.1-2 percent of copper nanoparticles and the balance water. According to the present invention, a phase change temperature of the composite low-temperature phase change cold storage agent is adjusted by regulating and controlling a concentration of sodium chloride, such that the composite low-temperature phase change cold storage agent has a relatively large cold storage temperature range and can be adapted to different cold storage occasions.

21: 2023/07361. 22: 2023/07/25. 43: 2024/01/30
51: C25B
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: DONG, Guangfeng, ZHANG, Tingting, MA, Songliang, ZHAO, Yunliang, LIU, Zhongjian, WEN, Tong, WANG, Zhen, CHEN, Licai, LU, Liling
54: ELECTRODIALYSIS DEVICE
00: -
Disclosed is an electrodialysis device. The electrodialysis device includes a connecting component, a plurality of electrodialysis separation plates and a plurality of electrodialysis membranes, where one electrodialysis membrane is arranged and pressed between two adjacent electrodialysis separation plates; each electrodialysis separation plate includes a frame and a pressing component, a hollow cavity configured to carry out liquid circulation

is arranged in the frame, the pressing component is fixedly arranged in the cavity, the pressing component includes a plurality of separation grids that are arranged side by side at intervals, and an elongated hole is formed between two adjacent separation grids; two pressing components are configured to press two side surfaces of the electrodialysis membrane; and the connecting component is fixedly connected to all the frames, such that adjacent pressing components clamp the electrodialysis membrane and fix relative positions with the electrodialysis membrane.

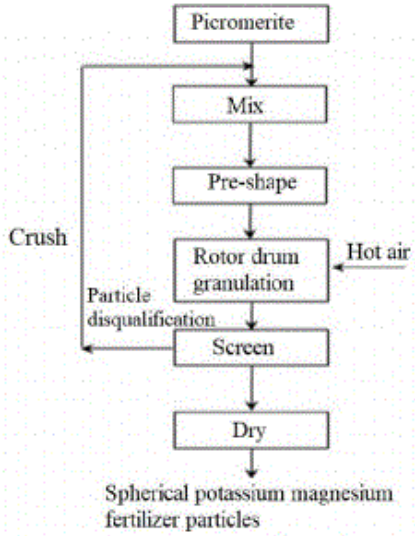


21: 2023/07362. 22: 2023/07/25. 43: 2024/01/30
51: C05D
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: YAO, Mobai, LI, Dongxing, DONG, Guangfeng, MA, Songliang, XIANG, Xiaocheng, YANG, Yuming, LU, Liling, LIU, Zhongjian, LI, Jingfang

54: METHOD FOR GRANULATION OF SPHERICAL POTASSIUM MAGNESIUM SULFATE FERTILIZER

00: -

The present invention belongs to the technical field of fertilizer preparation, and particularly relates to a method for granulation of spherical potassium magnesium sulfate fertilizer. Discloses is the method for granulation of spherical potassium magnesium sulfate fertilizer. The method includes: uniformly mixing refined soft potassium magnesium fertilizer with a return material according to a mass ratio of 7:3, performing crushing to obtain a mixture containing free water content of 15.1 percent, performing spiral pre-shaping on the obtained mixture, sequentially performing drying, cooling and screening after shaping to obtain spherical potassium magnesium fertilizer particles, where discharging temperature during drying is 80 degree Celsius. According to the method of the present invention, granulation additives are not needed to be added, thus completely eradicating introduction of invalid components. By changing size of a spiral pre-shaping screen in a production process, spherical particles with different particle sizes and good uniformity can be obtained.



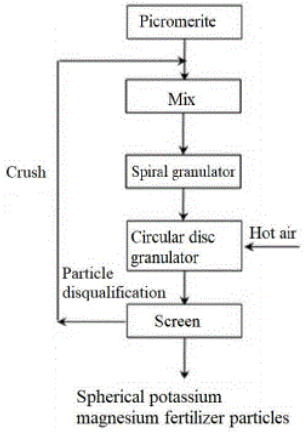
21: 2023/07363. 22: 2023/07/25. 43: 2024/01/29
51: C05D
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: YAO, Mobai, DONG, Guangfeng, LI, Dongxing, XIANG, Xiaocheng, FENG, Li, LU, Liling, LI, Jingfang

54: PREPARATION METHOD FOR SPHERICAL PARTICLES OF POTASSIUM MAGNESIUM SULFATE FERTILIZER

00: -

Discloses is a preparation method for spherical particles of potassium magnesium sulfate fertilizer. The preparation method includes: uniformly mixing refined soft potassium magnesium fertilizer with free water content of about 17 percent with a return material with a particle size crushed to be less than 2 mm and free water content of 1.1 percent according to a mass ratio of 9:1, performing crushing to obtain a mixture with free water content of about 15.1 percent, and sequentially making the mixture enter a spiral tube shaper, a circular disc granulator, drying, cooling and screening to obtain spherical potassium magnesium fertilizer particles. The spherical particles obtained by the method of the present invention are round in appearance, high in forming rate, good in uniformity and fluidity and high in strength, and the preparation method of the

present invention has the advantages of a high yield and simple operation.

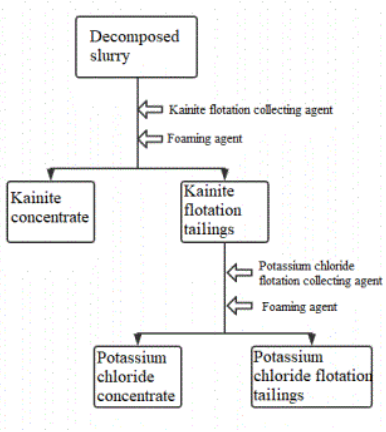


21: 2023/07364. 22: 2023/07/25. 43: 2024/01/30
51: B03D
71: SDIC XINJIANG LUOBUPO POTASH CO., LTD
72: YAO, Mobai, DONG, Guangfeng, ZHAO, Yunliang, MA, Songliang, CHEN, Peng, XIA, Ling, JIA, Feifei, LIU, Zhongjian, XIANG, Xiaocheng, WEI, Hongzhen

54: FLOTATION METHOD FOR POTASSIUM CHLORIDE FROM MAGNESIUM SULFATE SUBTYPE SALT LAKE

00: -

The present invention belongs to the technical field of potassium salt beneficiation, and particularly relates to a flotation method for potassium chloride from a magnesium sulfate subtype salt lake. In view of the facts that a particle size of kainite is fine, viscosity of ore pulp will be obviously increased, and an adsorption activity of the kainite on a collecting agent is strong, for decomposed slurry of carnallite, a kainite flotation reagent is firstly employed to perform flotation on the kainite, and the kainite is separated from a flotation system, such that excessive consumption of the flotation reagent by the kainite is avoided, a capping behavior between the kainite and sodium chloride is broken. And then a certain amount of potassium chloride flotation collecting agent is employed to achieve efficient separation of the potassium chloride and the sodium chloride.



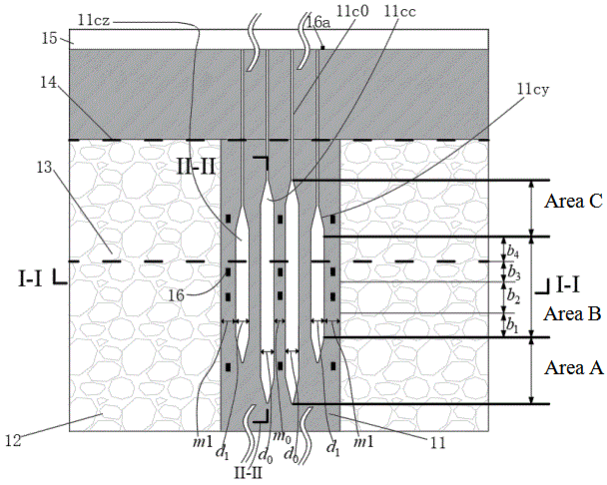
21: 2023/07365. 22: 2023/07/25. 43: 2024/01/30
51: E21C
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY-BEIJING
72: CHEN Dongdong, XIE Shengrong
33: CN 31: 202310149598X 32: 2023-02-22

54: SYSTEM FOR REDUCING CONCENTRATED STRESS OF OVERLYING COAL PILLARS IN A BALANCED WAY AND USING METHOD THEREOF

00: -

The invention relates to the technical field of mining engineering, and provides a system for reducing concentrated stress of overlying coal pillars in a balanced way and a using method thereof. The system for reducing concentrated stress of overlying coal pillars in a balanced way comprises a borehole stress gauge monitoring system and a balanced pressure regulating system, wherein the balanced pressure regulating system comprises a pressure regulating elastic contraction and expansion bag, a push pipe, a bidirectional pressure regulating two-way valve, a positioning ring, a push shield, an adjustable four-way valve, an extension pipe and the like. Through the borehole stress gauge monitoring system and balanced pressure regulating system, the stress balance of coal pillar is monitored and controlled to be significantly reduced, which fundamentally solves the defect that the traditional pressure relief methods such as hydraulic fracturing and blasting pressure relief of overlying coal pillar can not significantly and evenly reduce the concentrated stress of overlying coal pillar, can effectively solve various adverse mining environments affected by the concentrated stress of overlying coal pillar, and especially ensure the safe withdrawal of equipment in fully mechanized mining

(caving) face in the final mining area affected by overlying coal pillar, and has very extensive and important popularization and application value.

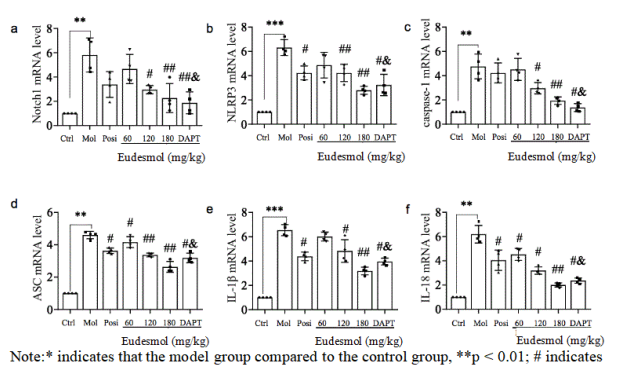


21: 2023/07366. 22: 2023/07/25. 43: 2024/01/30
51: A61K
71: Shanxi Medical University
72: LI Yunlan, LIU Weiran, LI Zhiyuan, QIN Yuxi, JIN Sijia, ZHANG Xiaoxia, NIU Qi, WANG Min

54: METHOD OF EUDESMOL IN TREATMENT OF SYSTEMIC INFLAMMATORY RESPONSE SYNDROME

00: -

The invention discloses an application method of eudesmol in the treatment of systemic inflammatory response syndrome and belongs to the field of medicine. It is characterized in that eudesmol is extracted from mugwort and the eudesmol inhibits Notch-1 receptor, further regulate the expression of nuclear factor-kappa B in macrophages and reduce the activation of NLRP3 inflammasome, thus inhibiting inflammatory reaction and treating systemic inflammatory response syndrome.



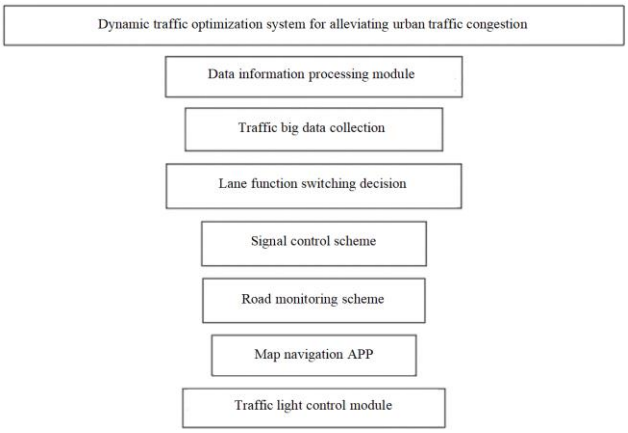
Note:* indicates that the model group compared to the control group, **p < 0.01; # indicates the drug delivery group compared to the model group, #p < 0.05, ##p < 0.01, ###p < 0.001; & indicates that eudesmol + DAPT group compared to eudesmol medium dose group, &p < 0.05

21: 2023/07370. 22: 2023/07/25. 43: 2024/01/30
51: G08G
71: Xinyu University
72: Feng Daoming, Liu Kai, Huang Yulong, Huang Xinren, Pan Cheng

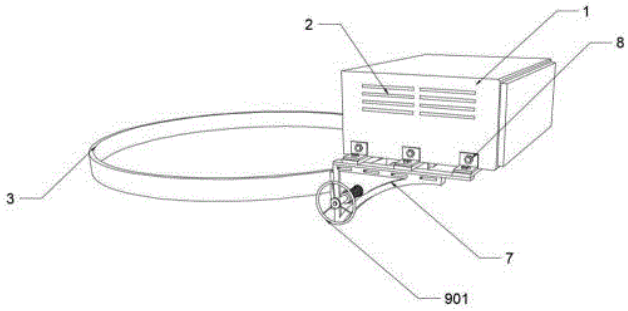
54: DYNAMIC TRAFFIC OPTIMIZATION SYSTEM FOR ALLEVIATING URBAN TRAFFIC CONGESTION

00: -

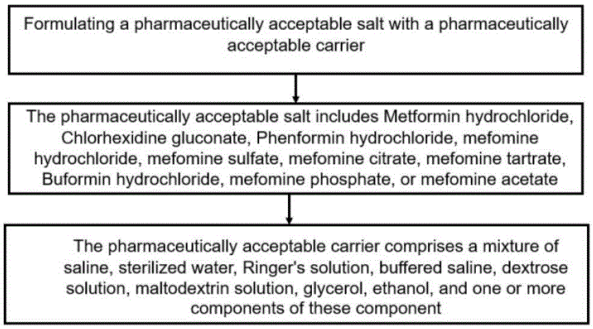
The invention provides a dynamic traffic optimization system for alleviating urban traffic congestion, and relates to the technical field of intelligent traffic systems. The dynamic traffic optimization system for alleviating urban traffic congestion includes a data information processing module, traffic big data collection, lane function switching decision, a signal control scheme, a road monitoring scheme, a map navigation APP and a traffic light control module. The waiting time of traffic lights is adjusted according to the traffic flow, and orderly vehicle passing is carried out by phase sequences of emergency lanes, so that the congested lanes can be quickly cleared and evacuated, thus improving the urban traffic congestion state.



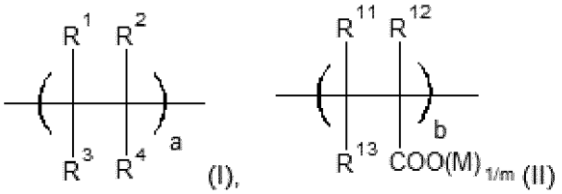
21: 2023/07371. 22: 2023/07/25. 43: 2024/01/30
51: F16M
71: Zheng zhou dian li gao deng zhuan ke xue xiao
72: Wang Xuhu, Wang Dongfei, Li Yanyuan, Lu Jiping, Zhang Zhenxian
33: CN 31: 202222216206.0 32: 2022-08-23
54: MOUNTING BRACKET CONVENIENT FOR FIXING
00: -
The invention relates to the technical field of wind turbines, and discloses a mounting bracket convenient for fixing, and solves the problem that the existing fixed health detection device for the wind turbine generator set is relatively fixed after installation, and it is difficult to disassemble if a fault occurs, which affects the maintenance efficiency of operators. It comprises a protective box, and two sides of the protective box are provided with heat dissipation ports; the bottom of the protective box is fixedly connected with a bottom fixing frame; the bottom of the bottom fixing frame is fixedly connected with side supporting plates; a side plate is fixedly connected to the surface of one side of the side supporting plate; the inner side of the side plate is fixedly connected with a connecting plate; the upper and lower sides of the side plate are fixedly connected with a limit plate. The protective box on one side can be fixed and limited by a fastening ring placed on the wind turbine generator set column, so that the stability of the protective box is improved; and the fastening ring is tightened by a portable device, which is convenient to fix the mounting bracket and improves the protection of the mounting bracket.



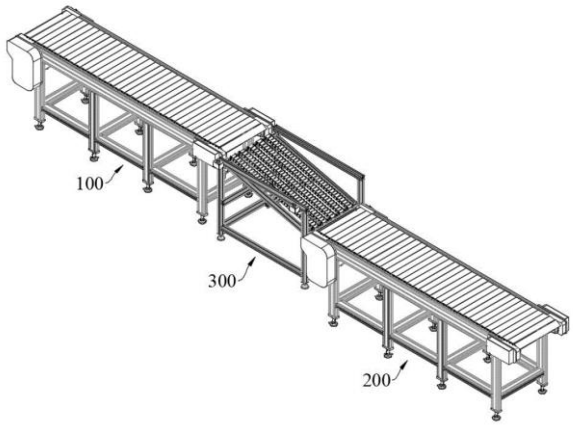
21: 2023/07372. 22: 2023/07/25. 43: 2024/01/30
51: C07K
71: Dr.Rajesh E Jesudasan, Dr.Chinmaya Mahapatra, Dr.Subas Chandra Dinda, Dr.Hara Prasad Mishra, Mr.Dillip Kumar Reddy Kandula, Dr.Sankhadip Bose, Mr.Satyabrata Jena, Ms.Kipa Amang, Ms.Rekha Rani, Dr.Shiva Murthy Nanjundappa
72: Dr.Rajesh E Jesudasan, Dr.Chinmaya Mahapatra, Dr.Subas Chandra Dinda, Dr.Hara Prasad Mishra, Mr.Dillip Kumar Reddy Kandula, Dr.Sankhadip Bose, Mr.Satyabrata Jena, Ms.Kipa Amang, Ms.Rekha Rani, Dr.Shiva Murthy Nanjundappa
33: IN 31: 202331036722 32: 2023-05-27
54: A NOVEL PHARMACEUTICAL COMPOSITION FOR TREATMENT OF AUTOIMMUNE DISEASES AND PREPARATION METHOD THEREOF
00: -
The present invention relates to a novel pharmaceutical composition for treatment of autoimmune diseases and preparation method thereof. The method for preparing pharmaceutical composition comprising the steps of: formulating a pharmaceutically acceptable salt with a pharmaceutically acceptable carrier; wherein the pharmaceutically acceptable salt includes Metformin hydrochloride, Chlorhexidine gluconate, Phenformin hydrochloride, mefomine hydrochloride, mefomine sulfate, mefomine citrate, mefomine tartrate, Buformin hydrochloride, mefomine phosphate, or mefomine acetate; wherein the pharmaceutically acceptable carrier comprises a mixture of saline, sterilized water, Ringer's solution, buffered saline, dextrose solution, maltodextrin solution, glycerol, ethanol, and one or more components of these components and further comprising one or more conventional additives selected from antioxidants, buffers, and bacteriostat.



21: 2023/07374. 22: 2023/07/25. 43: 2024/01/31
51: C04B
71: CHRYSO
72: BOUSTINGORRY, Pascal, BONAFOUS, Laurent
33: FR 31: 2100670 32: 2021-01-25
54: HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG
00: -
The present invention relates to a hydraulic binder composition comprising: - a hydraulic binder comprising at least one alumino-silicate compound, for example blast furnace slag, and an alkaline or sulfate activator and a maximum of 10 wt% of clinker, preferably between 0 and 10 wt% of clinker; - a guanidine salt and/ or a zinc salt; - a polymer (P) comprising units of formulae (I) and (II).



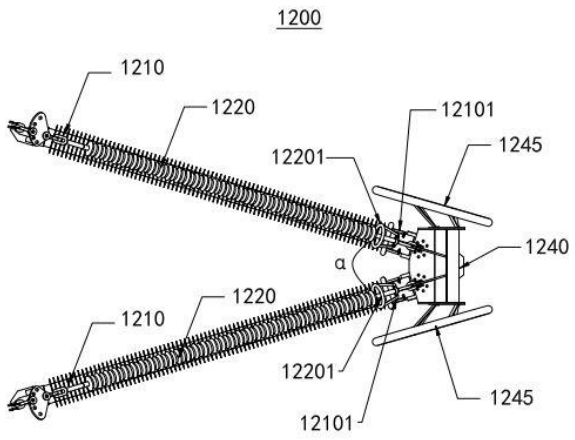
21: 2023/07390. 22: 2023/07/25. 43: 2024/01/30
51: B65G
71: TIANNENG BATTERY GROUP (ANHUI) CO., LTD.
72: WANG, Jiaqing, JIANG, Manjun, WU, Guoqing, ZHU, Tongli
54: BATTERY CONVEYING DEVICE
00: -
The present disclosure discloses a battery conveying device, relating to the field of battery production, which includes a first power conveyor line, a second power conveyor line, and an inclined transition conveyor line. A higher end of the inclined transition conveyor line is connected to the first power conveyor line, a lower end of the inclined transition conveyor line is connected to the second power conveyor line, and a battery is transported along a direction of the first power conveyor line, the inclined crossover conveyor line, and the second power conveyor line. The inclined transition conveyor line includes a plurality of support fluency bars. The present disclosure sets an inclined transition conveyor line between the first power conveyor line and the second power conveyor line, and the speed at which the battery is transported to the lower end of the inclined transition conveyor line using its own weight is the same as the rotational speed of the second power conveyor line. So that the natural acceleration sorting of batteries can be achieved, avoiding the phenomenon of battery “lateral shift”. Moreover, the inclined transition conveyor line adopts fluent bars, which have lower rotational resistance and are more conducive to the natural acceleration of the battery.



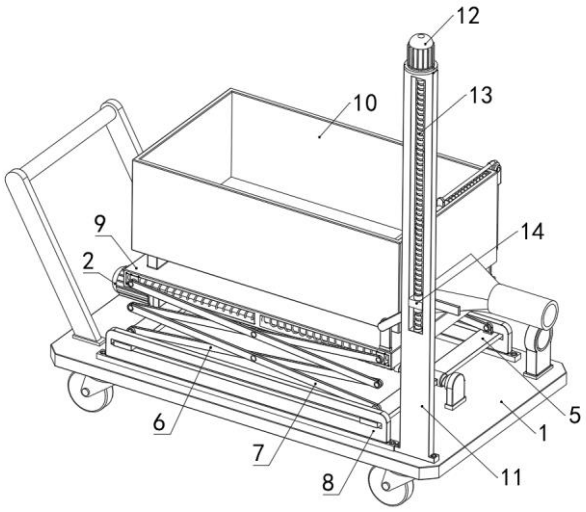
21: 2023/07392. 22: 2023/07/25. 43: 2024/01/31
51: H04L
71: Lu'an BoZhanChuangYan Technology Co., Ltd.
72: Zhao Wenjie
33: CN 31: 202310814615.7 32: 2023-07-04
54: WIRELESS ROUTER WITH EMERGENCY BROADCASTING FUNCTION
00: -
The present invention discloses a wireless router with emergency broadcasting function; It comprises a second controller, a second memory, a WAN network port module, a LAN network port module, and a wireless management module. Additionally, it includes a receiving and demodulation module, an emergency message extraction module, a first controller, and a first memory. The receiving and demodulation module is connected to the

emergency message extraction module, and the emergency message extraction module is connected to the first controller. The first controller is connected to the first memory and the wireless management module. The second controller is connected to the second memory, the WAN network port module, the LAN network port module, and the wireless management module. When the first controller receives emergency messages transmitted via wireless broadcast television signals, it executes emergency instructions and transfers the emergency content to the wireless management module for dissemination to wireless network devices. This invention enables the wireless router to receive emergency broadcast messages in real-time and promptly deliver emergency content to wireless network devices, thereby providing timely warnings to the audience and reducing losses.

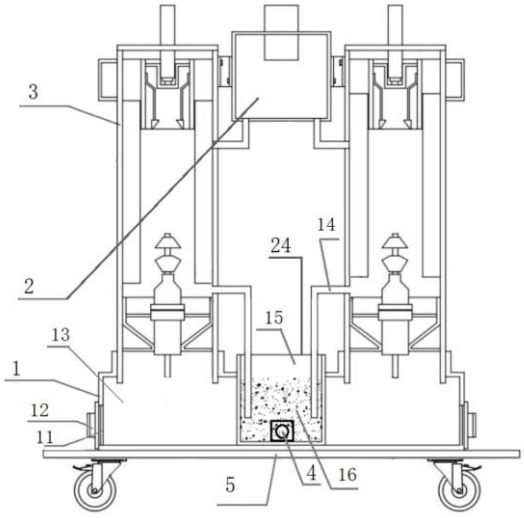
21: 2023/07393. 22: 2023/07/25. 43: 2024/01/30
51: E04H; H01B
71: JIANGSU SHEMAR ELECTRIC CO., LTD.
72: MA, Bin, YU, Jie, HUANG, Qing
33: CN 31: 202110206474.1 32: 2021-02-24
54: COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER
00: -
The present application discloses a composite crossarm and a power transmission tower. The composite crossarm includes two post insulators and two suspension insulators. Of the two post insulators and the two suspension insulators, one ends are configured to be connected to a tower body of a power transmission tower, and the other ends are connected together to form an end portion of the composite crossarm to hang a power transmission line. The two suspension insulators are located on same sides of the two post insulators and respectively arranged adjacent to the two post insulators. At the same time, an angle between the two post insulators ranges from 20° to 50°, and an angle between the post insulator and the suspension insulator adjacent thereto ranges from 15° to 45°. The composite crossarm according to the present application is highly stable and convenient to for mounting grading ring.



21: 2023/07407. 22: 2023/07/25. 43: 2024/01/30
51: B66F
71: West Anhui University
72: Cheng Junhui, Lu Chengling, Fang Jie, Xu Yubao, Huang Miaomiao, Wang Chuansheng
33: CN 31: 202210069664.8 32: 2022-01-21
54: RAW MATERIAL TRANSPORTATION DEVICE FOR INTELLIGENT PLANT BASED ON 5G NETWORK
00: -
The invention relates to a raw material transportation device for intelligent plant based on 5G network, comprising a base and, the platform and the base are connected by a lifting mechanism; The loading box is mounted with a diagonal brace one on the rotating shaft of the platform; The diagonal brace one is provided with a pulley, which is matched with an against plate that is connected with the base through a height control assembly; The plugging assembly is connected with a reset assembly arranged on the loading box by a connecting rod; The reset assembly is connected with the platform through a traction wire, realizing the transportation of raw materials to different heights.



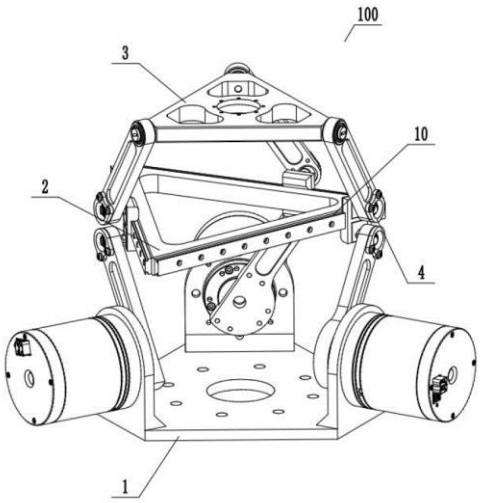
21: 2023/07408. 22: 2023/07/25. 43: 2024/01/30
51: B01D
71: North China University of Science and Technology
72: Chen Hongwei
33: CN 31: 202310785576.2 32: 2023-06-29
54: AIR FILTER VEHICLE
00: -
The present invention discloses an air filter vehicle, belongs to the technical field of the air treatment equipment, including a vehicle body, an above of the vehicle body is provided with a purification mechanism, an upper surface of the vehicle body is provided with a storage mechanism, a plurality of purification mechanisms are fixed in a top of the storage mechanisms, an air supply mechanism is fixed between the purification mechanisms; the purification mechanism includes a purification component, a plugging component, a cleaning component, the cleaning component is arranged at the top of the purification component, a purification box is arranged on the vehicle body, a top of the purification box is provided with a splash-proof net. This application realizes the self-cleaning of the dust removal structure through mutual cooperation, so that users do not need to frequently maintain the air filter vehicle, so that the use of the air filter vehicle is more convenient. The three-dimensional splash-proof net of the purification box is designed to effectively prevent the purification liquid from splashing out.



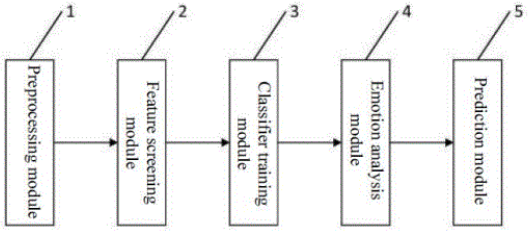
21: 2023/07413. 22: 2023/07/26. 43: 2024/01/29
51: H01B
71: Anhui Jinglong New Material Co., Ltd.
72: LIU, Yongjun
33: CN 31: 202210927925.5 32: 2022-08-03
54: ENERGY-SAVING PRODUCTION PROCESS FOR ALUMINUM ELECTROMAGNETIC WIRE
00: -
Disclosed in the present invention is an energy-saving production process for an aluminum electromagnetic wire. The process includes: step 1, firstly, transporting raw materials of the aluminum electromagnetic wire to a production site by a trolley, completing preparation for insulating paint in a paint preparation room, according to different insulation degrees of various electromagnetic wires, fully and uniformly mixing a certain proportion of paint and a diluent, and then adding the mixture into an enamelling machine. The beneficial effects are as follows: according to the invention, by arranging heat recovery pipelines of an annealing furnace and a drying furnace, residual heat energy can be recovered in time after production of the electromagnetic wire is completed, such that a large amount of thermal energy can be saved.

21: 2023/07414. 22: 2023/07/26. 43: 2024/01/29
51: B25J
71: Dongguan University of Technology
72: CHU, Hongpeng, XU, Linmiao, GU, Feng, ZENG, Daxing
33: CN 31: 2023106773661 32: 2023-06-08
54: PARALLEL MECHANISM AND STABILITY AUGMENTATION PLATFORM

00: -
Provided is a parallel mechanism, including a fixed platform, a middle platform and a mobile platform, where the fixed platform is connected to the mobile platform using three motion branch chains, both of a first connecting rod and a second connecting rod form a spherical pair with a middle connector, at same time the first connecting rod and the fixed platform form a rotary pair, and the second connecting rod and the mobile platform also form a rotary pair. Each of the motion branch chain includes two spherical pairs and two rotary pairs, at the same time, a sliding pair is built between the fixed platform and the mobile platform using the middle platform and the middle connector. The present disclosure further provides a stability augmentation platform, including the above parallel mechanism.

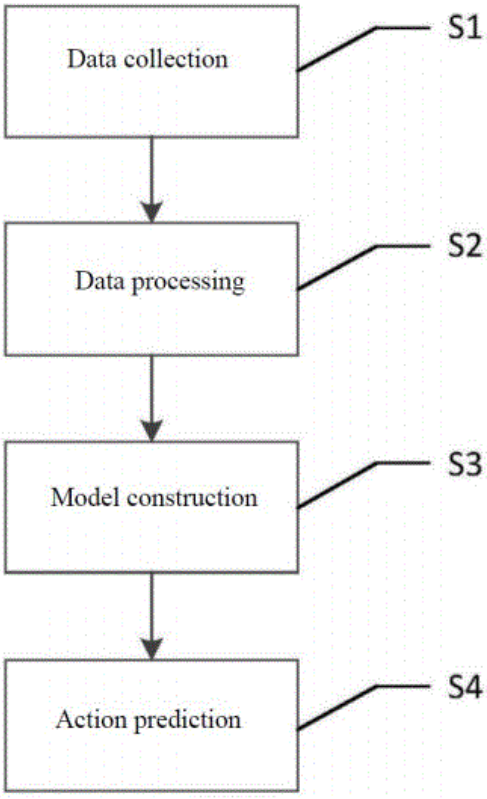


21: 2023/07415. 22: 2023/07/26. 43: 2024/01/29
51: G06F
71: GUILIN UNIVERSITY OF TECHNOLOGY
72: XIE, Xiaolan, LIU, Xiaomin, LIU, Yarong
54: COMMENT DIGGING SYSTEM FOR ELECTRONIC PRODUCTS BASED ON NEURAL NETWORK
00: -
The present invention provides a comment digging system for electronic products based on neural network, including a preprocessing module, a feature screening module, a classifier training module, an emotion analysis module, and a prediction module. The preprocessing module is connected to the feature screening module, the feature screening module is connected to the classifier training module, the classifier training module is connected to the emotion analysis module, and the emotion analysis module is connected to the prediction module. The advantages of the present invention are that text is analyzed, features are automatically extracted, and output of a model is optimized after automatic learning by constructing a neural network model, so that the work of manually extracting features is reduced, and the neural network may learn semantic information about context, improving the accuracy of emotion classification.



21: 2023/07416. 22: 2023/07/26. 43: 2024/01/29
51: A61K
71: GUILIN UNIVERSITY OF TECHNOLOGY
72: XIE, Xiaolan, HUANG, An, LU, Jie, LIU, Yarong, PENG, Shaoliang
54: DRUG INTERACTION PREDICTION METHOD BASED ON DS EVIDENCE THEORY
00: -
The present invention discloses a drug interaction prediction method based on Dempster-Shafer (DS) evidence theory. First, multi-modal data of drugs is acquired to construct a drug interaction data set. Next, multi-modal features of drugs are extracted as inputs of a deep neural network, so that a multi-modal drug interaction prediction model is constructed and trained. Then, drug interaction prediction is performed by the trained prediction model. The prediction model calculates classification probabilities and uncertainty values by Dirichlet distribution, and obtains a multi-modal prediction result and an overall uncertainty value through DS evidence theory fusion. Compared with prediction methods in the prior art, the present invention uses multi-modal drug data, which not only has lower prediction error, but also provides significant uncertainty information for guiding multi-modal prediction fusion and expressing the confidence of

prediction, thus achieving higher reliability and robustness.

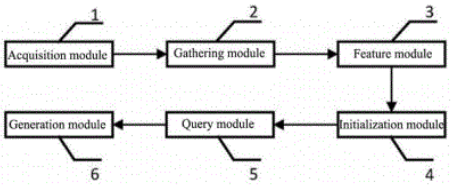


21: 2023/07417. 22: 2023/07/26. 43: 2024/01/29
51: G06Q
71: GUILIN UNIVERSITY OF TECHNOLOGY
72: XIE, Xiaolan, TANG, Yigang, LIU, Yarong, WANG, Jiaming

54: ACCESSORY ORDER GENERATING SYSTEM BASED ON CUSTOMIZATION

00: -

An accessory order generating system based on customization provided by the present invention includes an acquisition module, a gathering module, a feature module, an initialization module, a query module, and a generation module. Customized requirements of a user is obtained by the acquisition module, and key information of data is obtained by the gathering module; digital feature representation is performed on each accessory commodity by the feature module to integrate a dependency relationship between upper and lower accessory commodities; the correlation of accessories in an accessory order is obtained by the query module to reduce the response time of the system and improve the rationality of accessory combinations, and finally a generation order is obtained. The present invention may effectively combine personalized accessory orders for the user, and be widely used in various personalized service industries

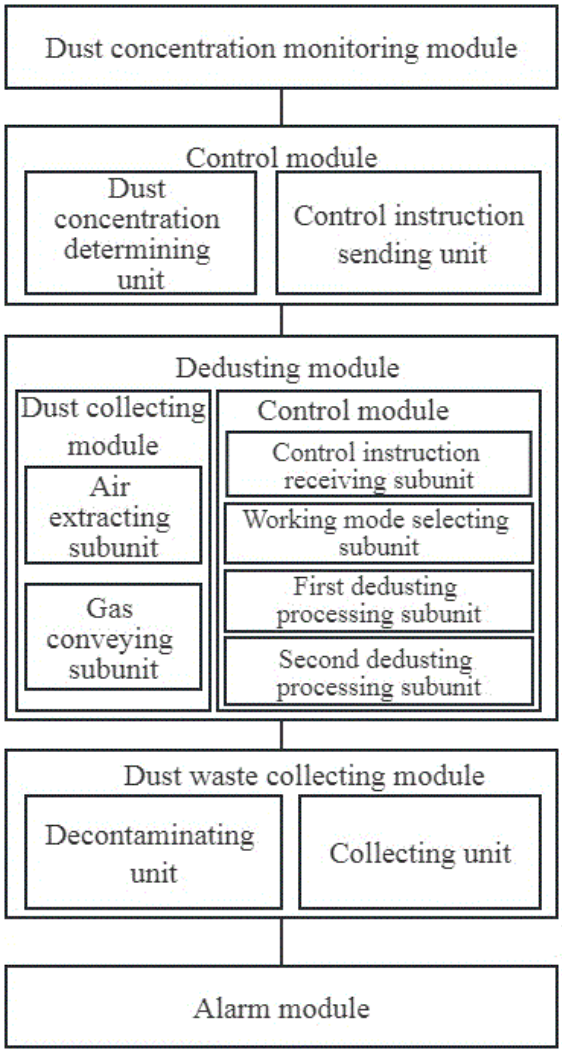


21: 2023/07420. 22: 2023/07/26. 43: 2024/01/29
51: B01D
71: Henan University of Urban Construction
72: HUA Chunfei, NING Yunfei, ZHANG Renqi, LI Wei

54: DEDUSTING SYSTEM FOR NANO-MATERIAL PROCESSING WORKSHOP

00: -

The invention discloses a dedusting system for nano-material processing workshop, which comprises a dust concentration monitoring module, a dedusting module, a control module and a dust waste collecting module; the dust concentration monitoring module is used for obtaining the dust concentration of the nano-material processing workshop; the control module is used for obtaining the dust concentration and sending a control instruction to the dedusting module according to the dust concentration; the dedusting module is used for dedusting the nano-material processing workshop according to the control instruction of the control module; the dust waste collecting module is used for collecting the dust waste generated by the dedusting module. The invention can efficiently remove dust and ensure the safety of workers in the nano-material processing workshop.

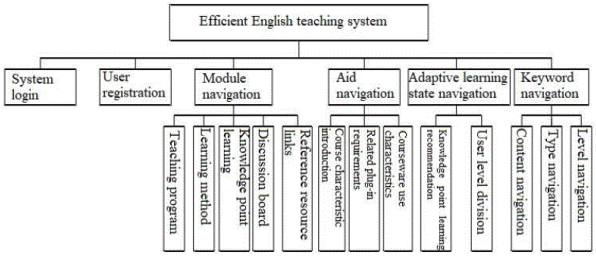


21: 2023/07421. 22: 2023/07/26. 43: 2024/01/29
51: G09B
71: Hebei Chemical and Pharmaceutical College
72: ZHANG, Huiyan
33: CN 31: 2023106261803 32: 2023-05-30

54: EFFICIENT ENGLISH TEACHING SYSTEM

00: -

The present invention discloses an efficient English teaching system and relates to the technical field of demonstration systems for English teaching. The teaching system includes: a system login module, configured to log in the system after a user selectively inputs relevant information; a user registration module, configured to register use accounts of user systems of different types; a module navigation subsystem, configured to navigate a teaching program, a learning method, a discussion board and a reference resource function; an aid navigation system, configured to navigate course characteristic introduction, relevant plug-in requirements and courseware use characteristics; an adaptive leaning state navigation subsystem, configured to navigate knowledge point learning recommendation and user level division; and a keyword navigation subsystem, configured to navigate contents, types and levels. The system features high teaching efficiency, powerful functions and so forth.

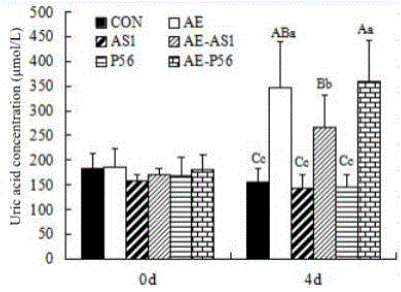


21: 2023/07432. 22: 2023/07/26. 43: 2024/01/29
51: C02F; C12N; C12R
71: Wuhan Academy of Agricultural Sciences
72: YE, Shengqiang, GONG, Ping, YANG, Yu, QIAN, Yunguo, MA, Yanming, CHEN, Xing, WANG, Lixia, LIU, Wu, LI, Zhongxin, TONG, Xinhong

54: STRAIN ALCALIGENES SP. AS1 AND MICROBIAL INOCULANT AND APPLICATION THEREOF

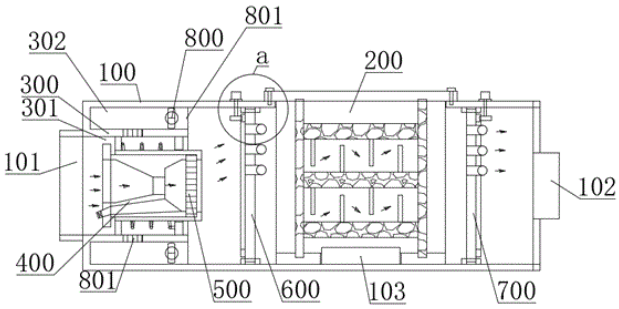
00: -

The present disclosure belongs to the field of microbial technology, particularly relates to a strain of Alcaligenes sp. AS1, a microbial inoculant and an application thereof. The present disclosure provides a strain of Alcaligenes sp. AS1 that has been deposited in CCTCC, and the deposit number is CCTCC NO: M 20211453. The Alcaligenes sp. AS1 of the present disclosure can produce urate oxidase, and can significantly reduce the concentration of serum uric acid and reduce concentrations of BUN, CRE, ATL and AST in serum in the ducks with hyperuricemia, relieve the damage of hyperuricemia to the duck livers and kidneys by feeding in a way of mixing with the feed.



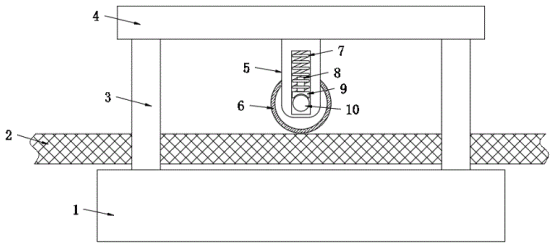
21: 2023/07433. 22: 2023/07/26. 43: 2024/01/29
51: A23K
71: INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES
72: PENG, Fugang, SUN, Jinyan, ZHAO, Xiuhua, YUE, Shan, ZHANG, Yuanliang
54: FEED FOR IMPROVING FERTILITY OF GEESE AND PREPARATION METHOD THEREOF
00: -
The present invention discloses a feed for improving fertility of geese, comprising the following raw materials in parts by weight: 50-80 parts of corn, 10-20 parts of sorghum, 10-20 parts of cake meal, 5-10 parts of bran, 5-10 parts of green feed, 3-8 parts of fish meal, 3-8 parts of bone meal, 3-8 parts of shell powder, 2-4 parts of salt, 1-2 parts of dried orange peel, 1-2 parts of hawthorn, 0.005-0.01 part of soy isoflavone and 0.005-0.01 part of selenium-enriched yeast. A preparation method comprises: (1) weighing the raw materials; (2) premixing the salt, the dried orange peel, the hawthorn, the soy isoflavones and the selenium-enriched yeast; and (3) mixing the remaining raw materials and the premix to obtain the feed.

21: 2023/07440. 22: 2023/07/26. 43: 2024/01/29
51: F04B
71: Hebei Chemical and Pharmaceutical College
72: Aibin Kang
54: PARTICULATE MATTER ADSORBING AND CLEANING DEVICE FOR TREATMENT OF VOLATILE ORGANIC COMPOUNDS (VOCS) FROM CHEMICAL INDUSTRY
00: -
The embodiment of the present disclosure is suitable for the technical field of waste gas treatment, and provides a particulate matter adsorbing and cleaning device for treatment of volatile organic compounds (VOCs) from a chemical industry, which includes a treatment tank, and a pretreatment mechanism, a first air deflector assembly, an adsorption assembly and a second air deflector assembly are arranged in the treatment tank along a gas flow direction. In the particulate matter adsorbing and cleaning device provided by the embodiment of the present disclosure, a waste gas which needs to be treated first enters a gas intake seat through a gas intake port, and filtered by a main filter screen to remove large particulate matter from the waste gas. Then, the gas flow passing through the adsorption assembly continuously changes in paths by the first air deflector assembly and the second air deflector assembly, and therefore the gas flow comes in full contact with adsorption layers of the adsorption assembly. Not only is a utilization rate of the adsorption layers guaranteed, but also the adsorption effect on the waste gas is improved. The gas flow obtained after adsorption is discharged out of the treatment tank through an exhaust port, and the particulate matter in the waste gas can be treated effectively.

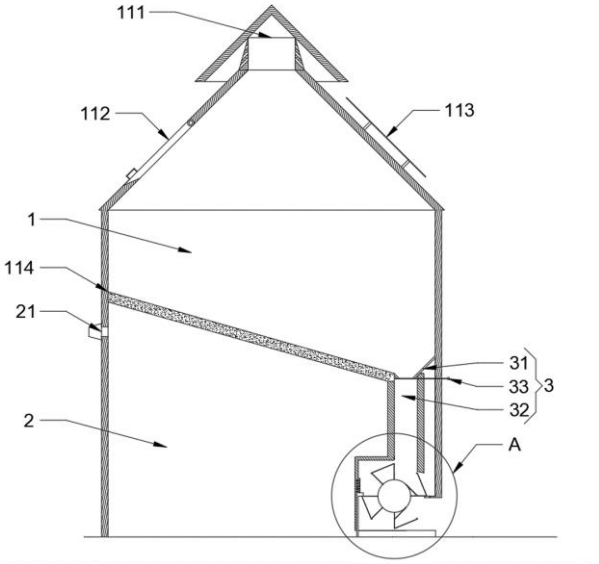


21: 2023/07441. 22: 2023/07/26. 43: 2024/02/06
51: B08B
71: ZHIJIANG COLLEGE OF ZHEJIANG UNIVERSITY OF TECHNOLOGY
72: DING, Shuyong, Mao, Yalang, LIN, Sen
54: AUTOMATIC BINDING GLOVE TURN-OVER MACHINE
00: -
The present utility model discloses an automatic binding glove turn-over machine, which includes a workbench. A conveyor belt is disposed at an upper end of the workbench, a plurality of columns are fixedly connected to the upper end of the workbench, a top frame is fixedly connected to an upper end of the plurality of columns, two side plates are disposed below the top frame, one of the side plates is fixedly connected to a lower end of the top

frame, the other side plate is connected to the top frame through a sliding device, an adjustment device is disposed on a side wall of the top frame at a corresponding position in a penetrating manner, a friction surface cloth wheel is shared between the two side plates, a shaft lever is fixedly connected to each of two ends of the friction surface cloth wheel, and the two side plates are connected to the two shaft levers through elastic devices separately. The present utility model has reasonable structural design and advantages of convenient cleaning of debris on gloves and convenient replacement of accessories.



21: 2023/07442. 22: 2023/07/26. 43: 2024/01/29
51: A01K
71: INSTITUTE OF ANIMAL SCIENCE AND VETERINARY MEDICINE, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, SHANDONG MEISHIDA AGRICULTURE AND HUSBANDRY TECHNOLOGY CO., LTD
72: ZHAO, Hongbo, ZHANG, Xianglun, LIU, Xiaomu, CHEN, Xiangxing, YANG, Zhaojun, LI, Chuanhao, SHENG, Qingkai, CHEN, Yuanmei
33: CN 31: 2023100210615 32: 2023-01-07
54: AUTOMATIC FEEDING DEVICE AND WORKING METHOD FOR FEEDING CATTLE AND SHEEP
00: -
The present invention relates to the technical field of agricultural and animal husbandry machinery. Disclosed is an automatic feeding device and a working method for feeding cattle and sheep. The automatic feeding device comprises a feed bin, a bottom of the feed bin being provided in an inclined manner; a water tank connected to the bottom of the feed bin; a discharging mechanism provided on one side of the water tank, a feeding inlet of the discharging mechanism being connected to the bottom of the feed bin; a feeding mechanism provided under the discharging mechanism, a feeding inlet of the feeding mechanism being communicated with a feeding outlet of the discharging mechanism; and a water trough provided under the feeding mechanism, one side of the water trough being communicated with the water tank. According to the present invention, automatic feeding of livestock such as cattle and sheep is achieved by providing the feeding mechanism, the continuous and uniform flow of feed into the feeding mechanism is ensured by providing the discharging mechanism, and automatic watering of livestock such as cattle and sheep is achieved by providing the water trough.



21: 2023/07467. 22: 2023/07/26. 43: 2024/01/29
51: F25B; F28C; F28F
71: EVAPCO, INC.
72: LIBERT, Jean-Pierre, CARL, Andrew, REILLY, Aaron
33: US 31: 63/146,179 32: 2021-02-05
33: US 31: 63/146,579 32: 2021-02-06
33: US 31: 17/666,085 32: 2022-02-07
54: TECHCLEAN DIRECT HEAT EXCHANGE FILL
00: -
A fill sheet and a fill pack manufactured from a plurality of fill sheets for cooling a cooling medium in a cooling tower, each fill sheet having a plurality of flutes extending diagonally from top to bottom of the fill sheet, the diagonal orientation of the flutes resulting from a plurality of alternating longer diagonal flute segments and shorter vertical flute

segments, each of the plurality of flutes having the microstructure comprising a plurality of alternating rounded mounds and rounded depressions extending between flat ridge edges and flat valley edges of said flutes.

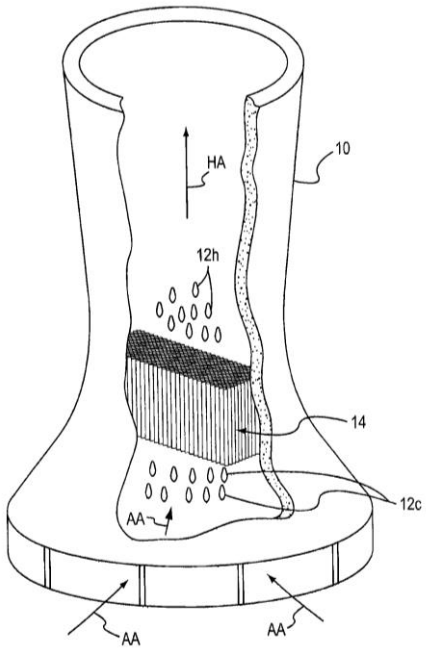


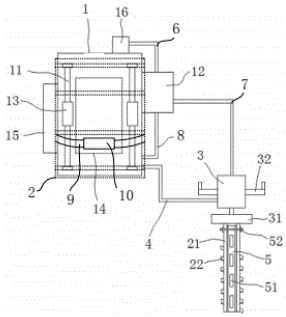
FIG.1
PRIOR ART

21: 2023/07471. 22: 2023/07/27. 43: 2024/02/05
51: G01N
71: Pingdingshan University
72: QI, Guang, TONG, Weishuang, ZHANG, Zhilu, CHEN, Changdong, CHENG, Liping, CHENG, Shiping, LI, Yanjiao

54: PORTABLE HYDRAULIC SOIL DRILLING DEVICE FOR SAMPLING SOIL OF FOREST CARBON POOL

00: -

Disclosed is a portable hydraulic soil drilling device for sampling soil of a forest carbon pool. The portable hydraulic soil drilling device includes an oil tank, an oil pump, a driving motor, a drill sleeve, a sampling tube, a heat insulator, a pack basket and a cooling fan, where a second end of the drill sleeve can drill into the ground when a power output shaft of the driving motor rotates, and the sampling tube can obtain soil when the second end of the drill sleeve drills into the ground; heat dissipating holes are provided on a side wall of the pack basket, the pack basket accommodates the oil tank; the heat insulator is placed between the oil tank and the bearer; and the cooling fan is provided on an outer wall of the oil tank.



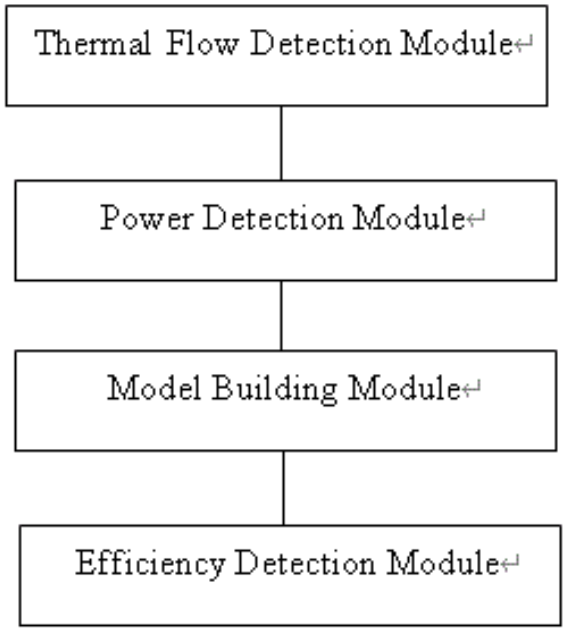
21: 2023/07472. 22: 2023/07/27. 43: 2024/02/05
51: G01S
71: Henan University of Urban Construction
72: ZHANG Renqi, LI Wei, WANG Xinlian, PAN Hui, XU Huafeng, DONG Haipeng, DUAN Kunjie, HUANG Xiaoya, WANG Wenfang, WANG Mengke, WANG Huanli, DOU Cheng, QI Fuhao, YE Mengna, WANG Menghao

54: THERMOELECTRIC CONVERSION EFFICIENCY DETECTION SYSTEM AND METHOD

00: -

This application discloses a thermoelectric conversion efficiency detection system and method, which includes a thermal flow detection module, a power detection module, a model building module, and an efficiency detection module; the thermal flow detection module is used to detect the thermal flow data of the thermoelectric conversion device; the power detection module is used to detect the output power data of the thermoelectric conversion device; the model building module is used to build a detection model based on the thermal flow data and the output power data; the efficiency detection module is used for efficiency detection based on the detection model to obtain the conversion efficiency of the thermoelectric conversion device. This application can accurately measure the temperature difference and output voltage of thermoelectric conversion devices by using high-precision sensors and measuring equipment, thereby improving the accuracy of measurement results; the operation of the device and method in this application is simple, as long as the sensor and measuring equipment are connected to the thermoelectric conversion device

and data processing is carried out through the control system.

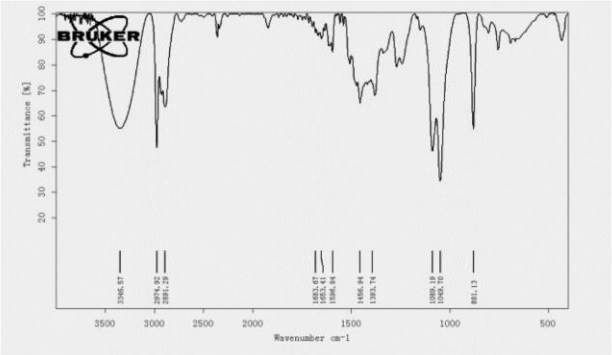


21: 2023/07474. 22: 2023/07/27. 43: 2024/01/30
51: B24D; C08G
71: Puyang Enying Polymer Materials Co.,Ltd.
72: LI, Yuhui, WANG, Kai, ZHANG, Keyang, LU, Zaijun, YUAN, Faxin, LOU, Yuanchao
33: CN 31: 202210966086.8 32: 2022-08-12

54: SYNTHESIS METHOD OF PHENOL-FORMALDEHYDE RESIN FOR ABRASIVE TOOLS AND ABRASIVES

00: -

The present invention relates to a synthesis method of a phenol-formaldehyde resin for abrasive tools and abrasives, specifically including: mixing 100 parts by mass of phenol with 0.3 to 5 parts by mass of a catalyst, then adding formalin, and reacting at 60 degree Celsius to 90 degree Celsius for 0.5 h to 4 h; upon completion of the reaction, cooling the same to 0 degree Celsius to 50 degree Celsius, adding 0.3 to 1 part by mass of a silane coupling agent and 0.5 to 2 parts by mass of a formaldehyde scavenger, and performing distillation under reduced pressure to obtain a liquid phenol-formaldehyde resin. The present invention solves the long-term technical problem of low strength of phenol-formaldehyde resins catalyzed by existing catalysts. A catalyst is compounded with aqueous ammonia and hexamethylenetetramine to synthesize a phenol-formaldehyde resin.

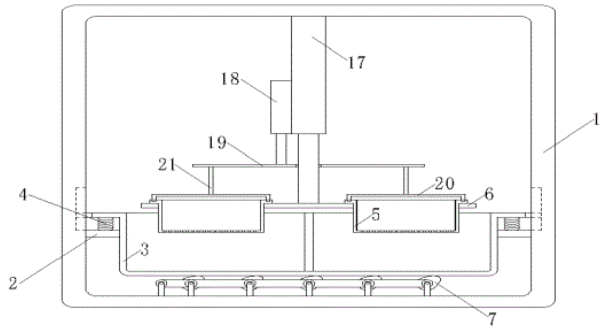


21: 2023/07475. 22: 2023/07/27. 43: 2024/01/30
51: A01H
71: Shanxi Agricultural University, Sorghum Research Institute
72: Mengen NIE

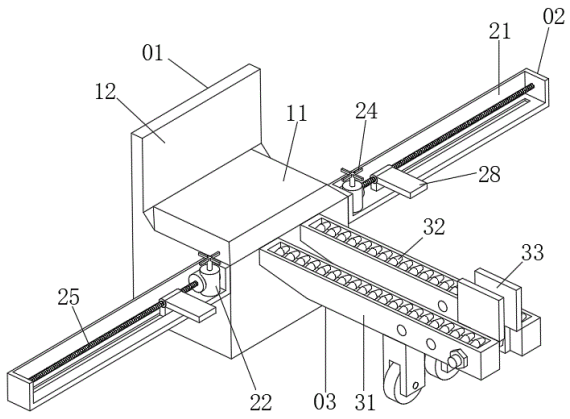
54: CALLUS CULTURE DEVICE FOR SORGHUM BREEDING

00: -

The invention discloses a callus culture device for sorghum breeding, including a shell, it is fixed with a baffle inside; a culture medium storage tank, it is stuck in the opening hole on the baffle; multiple callus storage tanks, multiple callus storage tanks are stuck on the same first plate; the first telescopic component, it is fixed inside the shell, and its telescopic end is connected with the first plate; the second telescopic component, it is fixed on the outer shell of the first telescopic component; a vibration mechanism is fixed inside the shell under the culture medium storage tank to drive the culture medium storage tank to vibrate up and down. The invention adopts a callus culture device for sorghum breeding with the above structure, which can not only realize the continuous immersion culture of callus but also realize the periodic immersion culture of callus.

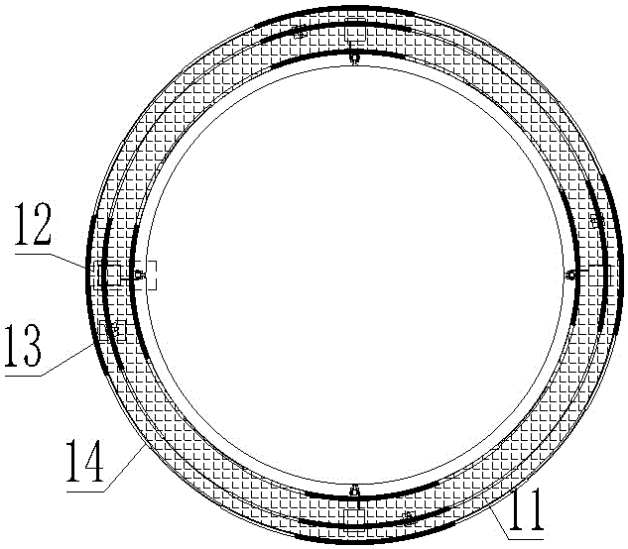


21: 2023/07477. 22: 2023/07/27. 43: 2024/01/31
51: A63B
71: Anhui Polytechnic University
72: Zhang Yong, Teng Anqi, Wang Yu, He Xiaomin, Li Huimin
33: CN 31: 202320084563.8 32: 2023-01-29
54: LEG LIGAMENT STRETCHER
00: -
The utility model relates to the technical field of leg ligament stretching, in particular to a leg ligament stretcher. The leg ligament stretcher includes a power assembly and blocking assemblies, where the blocking assemblies are mounted on both sides of the power assembly, and stretching assemblies are mounted in front of the power assembly; each blocking assembly includes a support plate, an elevator is mounted on the support plate at the end close to the power assembly, the elevator is provided with a driving rod in a vertical penetrating manner, a cross handle is mounted on the driving rod, the elevator is provided with a screw rod in a horizontal penetrating manner, and the outer wall of the screw rod is connected with a nut pair. The leg ligament stretcher of the utility model achieves the effect of blocking continuous rotation of stretching plates through arrangement of the blocking assemblies, avoiding harm to a human body due to safety accidents cause by the fact that the machine is out of control. By means of arrangement of the stretching assemblies, the leg ligament stretcher greatly adapts to the body of a stretching person and brings comfort, massage bars are driven by a motor inside a support seat and may massage legs of the stretching person during stretching, and practicality is improved.

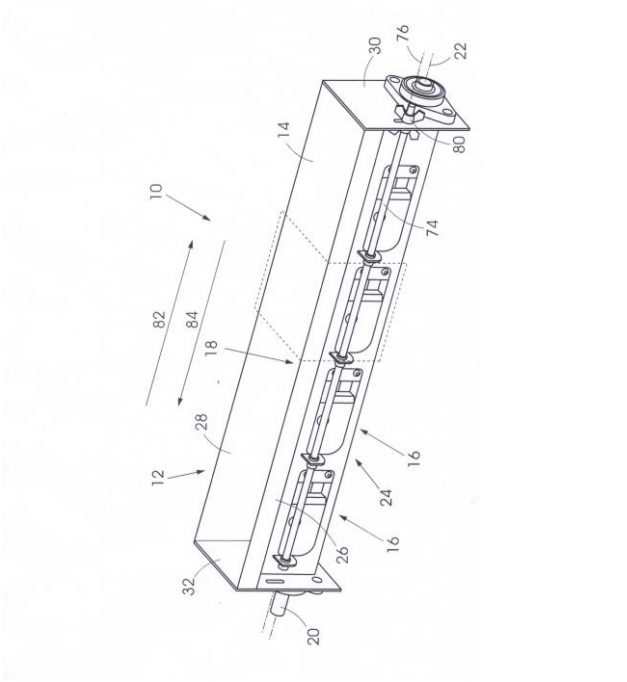


21: 2023/07478. 22: 2023/07/27. 43: 2024/01/31
51: B25J
71: CHINA RAILWAY CONSTRUCTION BRIDGE ENGINEERING BUREAU GROUP CO., LTD.
72: Zhao Jian, Lv Guanjun, Fan Lilong, Qiao Shuxun, An Luming, Liu Changhui, Gao Jian, Zhang Pengzhi, Chen Gang, Su Zanyao, Sun Leilei, Liu Yuxiong, Zhang Linlin, Chen Meiyu
54: INTELLIGENT BRIDGE TOWER CRACK DETECTION RING ROBOT
00: -
The present invention provides an intelligent bridge tower crack detection ring robot, including a climbing module, a ring platform, a crack detection module, ring drive mechanisms, a power supply module, and telescoping devices, wherein the ring platform includes a plurality of arc-shaped platforms, and adjacent arc-shaped platforms are connected by the telescoping devices, wherein the plurality of arc-shaped platforms closely surround a tower column, and the climbing module drives the ring platform to move vertically along a side of the tower column; the crack detection module includes crack detection camera devices placed on the arc-shaped platforms, and the ring drive mechanisms mounted on the arc-shaped platforms drive the crack detection camera devices to move in a direction of the ring platform; and a power supply device is electrically connected to the climbing module, the crack detection module and the ring drive mechanisms separately to supply power. The intelligent bridge tower crack detection ring robot provided by the present invention completes automatic lifting through a fixed track, scans a crack of a bridge tower and completes remote transmission through the rotatable camera devices, thereby solving the problems of low

security, high detection cost, low efficiency and the like of existing bridge tower crack detection.



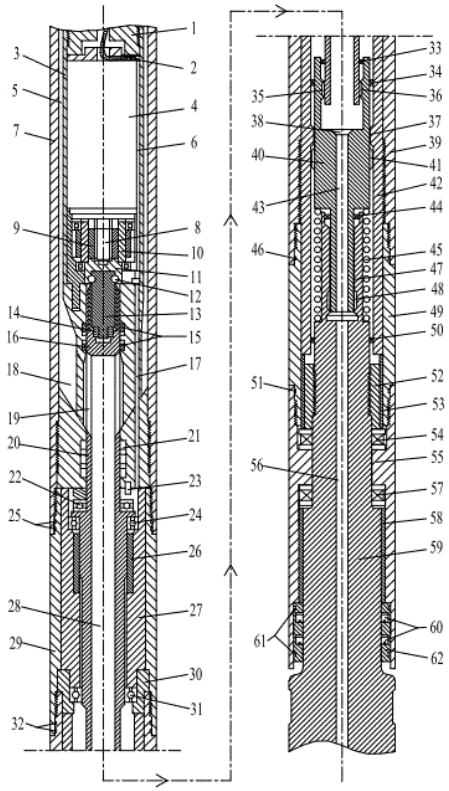
21: 2023/07480. 22: 2023/07/27. 43: 2024/01/31
51: A01C
71: JACOBS, ADRIAAN HENDRIK
72: JACOBS, ADRIAAN HENDRIK
33: ZA 31: 2022/10593 32: 2022-09-26
54: SIMPLIFIED METERING MECHANISM
00: -
A control device for controlling the rate at which seeds are delivered, wherein the control device includes a container which has an inlet and a plurality of outlets, and which defines a volume for receiving the seeds through the inlet, a shaft which is rotatable about an axis which extends through the volume and which is positioned between the inlet and each of the plurality of outlets, and a plurality of control mechanisms, each of which is positioned adjacent a respective outlet, and which is configured to control the rate of which the seeds are delivered from the volume through the respective outlet upon rotation of the shaft, and wherein each control mechanism is adjustable to vary the seed delivery rate.



21: 2023/07483. 22: 2023/07/27. 43: 2024/01/31
51: A61K; C07K; C12N
71: SHIJIAZHUANG YILING PHARMACEUTICAL CO., LTD.
72: JIA, Zhenhua
33: CN 31: PCT/CN2021/097239 32: 2021-05-31
33: CN 31: PCT/CN2021/097240 32: 2021-05-31
33: CN 31: PCT/CN2021/106783 32: 2021-07-16
33: CN 31: PCT/CN2021/106784 32: 2021-07-16
54: MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF
00: -
Provided is a panel of monoclonal antibodies which specifically bind to CLDN18.2 and do not specifically bind to CLDN18.1, and optionally have an engineered Fc region.

21: 2023/07512. 22: 2023/07/28. 43: 2024/01/29
51: E21B
71: Chongqing University of Science and Technology
72: LI, Meng, SU, Kanhua, XU, Jiangen, WAN, Lifu, ZOU, Wenbin, GUO, Xiaole, LIU, Jilin, CHEN, Yipu
54: ELECTROHYDRAULIC CONTROL ORIENTING APPARATUS FOR COILED TUBING DRILLING
00: -
The present invention relates to a downhole tool for coiled tubing drilling, and in particular, to an electrohydraulic control orienting apparatus for coiled tubing drilling. The present invention can

accurately and effectively control the drilling direction of coiled tubing and the borehole trajectory, continuously rotate the tool face angle in two directions during orientation, and lock the tool face angle when the orientation is completed.

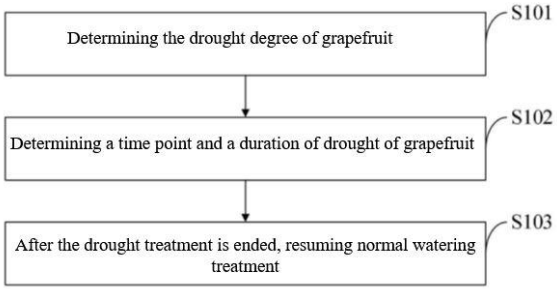


21: 2023/07513. 22: 2023/07/28. 43: 2024/01/31
51: A01G
71: Shanxi Agricultural University, Sorghum Research Institute
72: Xinqi FAN, Jianwu ZHAO, Meihong SUN, Guohua FAN, Huiyong SHEN, Yizhong ZHANG
54: A METHOD FOR CULTIVATING DWARF SORGHUM MUTANTS
00: -
This application proposes a method for cultivating dwarf sorghum mutants, involving the technical field of plant mutant construction methods. It includes the following steps: preparation of 0.1% -0.25% volume percentage of ethyl methane sulfonate mutagen solution; soaking the selected sorghum seeds in the prepared ethyl methane sulfonate mutagen solution to obtain the treated seeds; after washing the treated seeds with running water, naturally drying, and getting the seeds to be sown; applying a 5-7 day drought treatment to the seeds to be sown, subsequently, transplanting the surviving seedlings after treatment to the experimental field; when the plants entered the flowering stage, bagging the individual plants before flowering until maturity, after screening, obtaining the dwarf mutant plant population; continuously cultivating the dwarf mutant plant population, finally obtaining a stable dwarf sorghum mutant. This method has the characteristics of simple operation, high efficiency and stability, the cultivated products have good lodging resistance, dense planting resistance, and are suitable for mechanized large-scale production.



21: 2023/07515. 22: 2023/07/28. 43: 2024/01/31
51: A01G
71: CITRUS RESEARCH INSTITUTE OF ZHEJIANG PROVINCE
72: WANG, Peng, HUANG, Bei, WEN, Mingxia, JIN, Longfei, WU, Shaohui, LIU, Feng
54: REGULATION METHOD FOR PROMOTING EARLY FLOWER BUD DIFFERENTIATION AND FLOWER BRANCH INCREASE OF GRAPEFRUIT
00: -

The present invention belongs to the technical field of drought flower-promotion regulation for Citrus plant trees, and discloses a regulation method for promoting early flower bud differentiation and flower branch increase of grapefruit. The method comprises 3 steps: determining the drought degree of grapefruit: in a control group, soil water content is 16-20% and watering amount 4L, in a drought group, soil water content is 10-15% and watering amount 2L; determining a time point and duration of drought of grapefruit: drought time lasts for 60 days from August 20 to October 20; and after the drought treatment ended, resuming normal watering treatment. During drought, the growth of vegetative branches (autumn shoots) in a treatment group is inhibited, the vegetative branches (autumn shoots) in the control group sprout normally; and after resumption of watering for 7 days, the flower branches in the drought group sprout out and the flower buds burst.

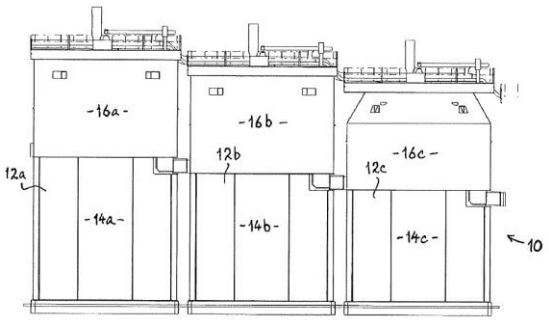


21: 2023/07516. 22: 2023/07/28. 43: 2024/01/31
51: B03D
71: LYCOPODIUM MINERALS PTY LTD
72: RUGGIERO, Bruno, MARLOW, Scott
33: AU 31: 2022902314 32: 2022-08-15

54: SUPPORT STRUCTURE FOR FLOTATION CELL

00: -

A support structure 10 for an installation, such as a flotation cell, is disclosed comprising a tank 12 having a substantially vertical side wall 14 mounted at ground level. A suitable filler material is contained within the tank 12 on top of which the installation can be supported at elevation. Typically, each tank 12 is open at the top and is filled with soil, rock fill, or compacted earth. The tanks 12 advantageously act as a means of creating an elevated, earthen platform for a plurality of flotation cells 16 in a cascading arrangement.

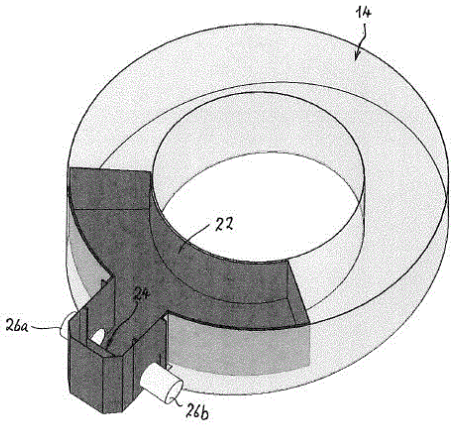


21: 2023/07517. 22: 2023/07/28. 43: 2024/01/31
51: B03B
71: LYCOPODIUM MINERALS PTY LTD
72: LUIES, Johan, RUGGIERO, Bruno, GIDDY, Mark
33: AU 31: 2022902494 32: 2022-08-30

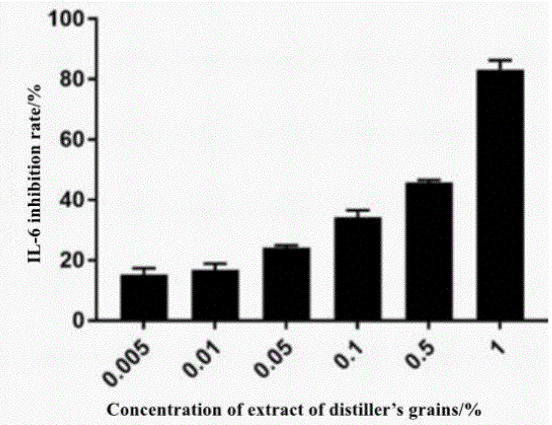
54: LOW HEADROOM CLASSIFICATION AND GRAVITY CIRCUIT

00: -

An improved classification and gravity circuit 10 comprises a milling cyclone cluster 12 with underflow hopper 14. The cyclone cluster 12 comprises a plurality of cyclones, and the underflow hopper 14 feeds into a gravity circuit 16. The improved classification and gravity circuit 10 further comprises a dedicated gravity circuit splitter box 22, incorporated into the cyclone underflow hopper 14 to collect the underflow from a plurality of dedicated cyclones 12a-12f within the cluster. In use, the dedicated gravity circuit splitter box 22 only feeds the gravity circuit with underflow from the dedicated cyclones 12a-12f. By incorporating the dedicated gravity circuit splitter box 22 into the cyclone underflow hopper 14, to collect the underflow and feed the gravity circuit 16, the height of the cyclone underflow hopper 14 is recovered, which is otherwise lost.



21: 2023/07519. 22: 2023/07/28. 43: 2024/01/31
51: A24B; A24F
71: Moutai Institute, Chengdu Baolu Biotechnology Co., Ltd.
72: ZHENG, Yuxi, LI, Baihan, WU, Ganghong
33: CN 31: 2023107147519 32: 2023-06-16
54: EXTRACT OF SAUCE-FLAVORED DISTILLER'S GRAINS, PREPARATION METHOD AND APPLICATION THEREOF IN ANTI-INFLAMMATORY ELECTRONIC CIGARETTE LIQUID
00: -
The present disclosure provides an extract of sauce-flavored distiller's grains, a preparation method and an application thereof in anti-inflammatory electronic cigarette liquid. The method for preparing an extract of sauce-flavored distiller's grains comprises: enzymatically hydrolyzing sauce-flavored distiller's grains with a compound enzyme, filtering, centrifuging the filtrate to obtain a supernatant, extracting with supercritical carbon dioxide extraction, removing impurities of the extract to obtain an extract of sauce-flavored distiller's grains. The extract of sauce-flavored distiller's grains of the present disclosure have typical and abundant ester aroma; and the elegant and mellow aroma can last for a long period of time. The experimental results show that the extract of sauce-flavored distiller's grains of the present disclosure can significantly inhibit the secretion of inflammatory cytokine IL-6 from mouse mononuclear macrophage cells RAW264.7. Thus, the extract of sauce-flavored distiller's grains of the present disclosure has anti-inflammatory effects.

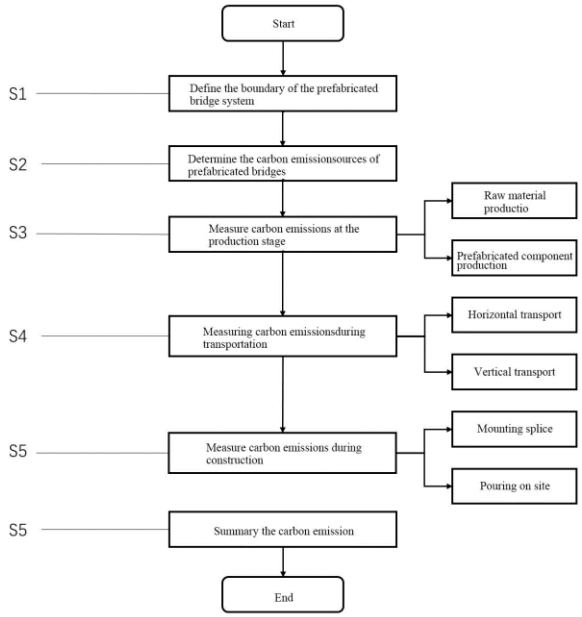


21: 2023/07520. 22: 2023/07/28. 43: 2024/01/31
51: C13D
71: Moutai Institute, Chengdu Baolu Biotechnology Co., Ltd.
72: ZHENG, Yuxi, LI, Baihan, WU, Ganghong
33: CN 31: 2023107211144 32: 2023-06-16
54: CHITOSAN ORGANIC FERTILIZER FOR SORGHUM BASED ON EXTREME MONASCUS
00: -
The present disclosure discloses a chitosan organic fertilizer for sorghum based on extreme monascus, comprising raw materials of animal manure, TCM residue, plant straw, a microbial auxiliary agent, an aromatic agent, a chemical fertilizer and chitosan; the microbial auxiliary agent comprises actinomycetes, filamentous fungus, saccharomycete and monascus. For the chitosan organic fertilizer for sorghum based on extreme monascus provided herein, a microorganism with Monascus is added in the process of fermenting an organic fertilizer, and the overall fermentation process is accelerated by utilizing Monascus and the original fermentative microorganism, thereby improving the overall production efficiency of the product; in addition, Monascus can inhibit the growth of harmful bacteria, and an aromatic agent made of fresh orange peel is added to the fermenting tank during the fermentation process, which can eliminate the odor produced during the fermentation process through the emitted fragrance.

21: 2023/07521. 22: 2023/07/28. 43: 2024/01/31
51: A23K
71: Moutai Institute, Chengdu Baolu Biotechnology Co., Ltd.

72: ZHENG, Yuxi, ZHANG, Chunlin, WU, Ganghong, LI, Baihan
33: CN 31: 2023107210813 32: 2023-06-16
54: METHOD FOR SIMULTANEOUSLY PRODUCING LACTIC ACID, GLYCERIN, ETHANOL AND HIGH-QUALITY FEED BY UTILIZING DISTILLER'S GRAINS
00: -
The present disclosure relates to a method for simultaneously producing lactic acid, glycerin, ethanol and high-quality feed by utilizing distiller's grains. The method comprises the following steps: weighing distiller's grains, drying the weighed distiller's grains and crushing; feeding the crushed distiller's grains into a reactor, adding clear water into the reactor and stirring to obtain a slurry, dividing the slurry into three equal portions, namely a first slurry, a second slurry and a third slurry. The present disclosure has the following beneficial effects: according to the method for simultaneously producing lactic acid, glycerin, ethanol and high-quality feed by utilizing distiller's grains of the present disclosure, the distiller's grains are utilized fully; while meeting the precondition of making feeds with distiller's grains, the slurry of distiller's grains is divided into three parts to produce lactic acid, glycerin and ethanol respectively, which greatly improves the utilization rate of distiller's grains.

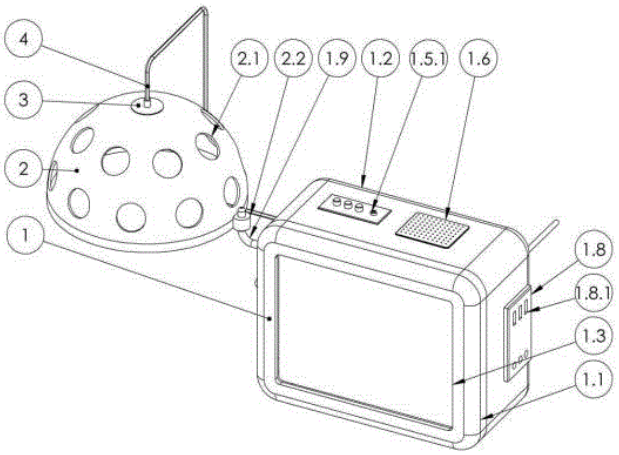
21: 2023/07523. 22: 2023/07/28. 43: 2024/01/31
51: G06Q
71: North China Municipal Engineering Design & Research Institute Co., Ltd.
72: Xingyu Zhang, Kai Niu, Xiaodong Zhu, Weiwei Meng, Hui Xu, Jia He, Liping Guo, Guozhu Yuan, Danxuan Xue, Chenran Sun
33: CN 31: 202211353329.7 32: 2022-11-01
54: A CARBON EMISSION MEASUREMENT METHOD FOR PREFABRICATED BRIDGE CONSTRUCTION
00: -
The invention discloses a carbon emission measurement method suitable for prefabricated bridge construction activities. It consists of the following steps: S1: Define the boundaries of the assembled bridge system; S2: Determine the carbon emission sources of prefabricated bridges; S3: Measurement of total carbon emissions in the production stage; S4: Calculate the total carbon emissions during the transport phase; S5: Calculate the total carbon emissions during the construction phase; S6: Aggregate total carbon emissions from prefabricated bridge construction activities. The invention mainly solves the problem of incomplete coverage of carbon emission accounting in the technical field of prefabricated bridges. It lays a foundation for finding the key link of carbon reduction in the process of prefabricated bridge construction.



21: 2023/07524. 22: 2023/07/28. 43: 2024/01/31
51: A61K; A61P
71: Minxian Hongrentang Pharmacy
72: Jingchun Hou, Pingping Kou, Mingsheng Sun, Yingyu Hou, Zhaohu Chang, Lianhua Xue, Zhiqian Zhang
33: CN 31: 2023108206463 32: 2023-07-06
54: A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING HERPES ZOSTER
00: -
The present application discloses a traditional Chinese medicine composition for treating herpes zoster, the raw materials include the following components in parts by weight: Carbonized Human Hair 50-100 parts, Natural Indigo 10-30 parts, realgar 5-20 parts, Alumen 10-20 parts, Centipede 5-10 parts, Dryobalanops aromatica C.F.Gaertn. 5-10 parts. The invention has the functions of pain relief, rash elimination, detoxification and repair; no scar remains after repair. The invention has ingenious composition, reasonable compatibility, less medicinal taste, less side effects and good

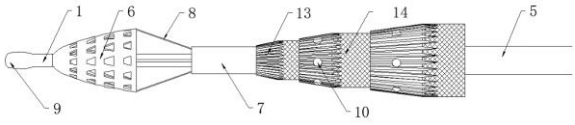
therapeutic effect. The present application can also effectively treat neuralgia caused by herpes zoster sequelae.

21: 2023/07525. 22: 2023/07/28. 43: 2024/01/31
51: A61G
71: Ningbo Kangning Hospital (Ningbo Center for Mental Disease Prevention and Control)
72: ZHANG Yuanyuan, FENG Jingjing, YE Xuejie, CHEN Qinyi, WANG Yubo, ZHOU Dongsheng
54: COGNITIVE THERAPEUTIC APPARATUS FOR ELECTRICAL STIMULATION BEHAVIOR CONVENIENT FOR PERSONAL USE
00: -
The invention provides a cognitive therapeutic apparatus for electrical stimulation behavior convenient for personal use, which comprises a therapeutic apparatus body, and an electrical stimulation cap is detachably connected to one side of the therapeutic apparatus body; an electrical stimulation block is detachably connected in the electrical stimulation cap; the electrical stimulation block is connected with the therapeutic apparatus body through a wire. According to the invention, a CBT treatment program similar to that of a hospital can be downloaded in the master control module, and the treatment program can be run through the touch screen to guide and record the treatment of patients, so that patients can conveniently perform CBT treatment at home. At the same time, the invention is provided with an electrical stimulation cap with a round hole, and a user can install a plurality of electrical stimulation blocks in the round hole and connect them with the therapeutic apparatus body through wires, thus facilitating patients to carry out transcranial electrical stimulation treatment at home by themselves, which can be carried out simultaneously with CBT treatment, and further increasing the therapeutic effect of behavioral cognitive diseases at both psychological and brain levels of patients. And the times of patients going to the hospital for treatment are reduced, thus saving time and medical resources.



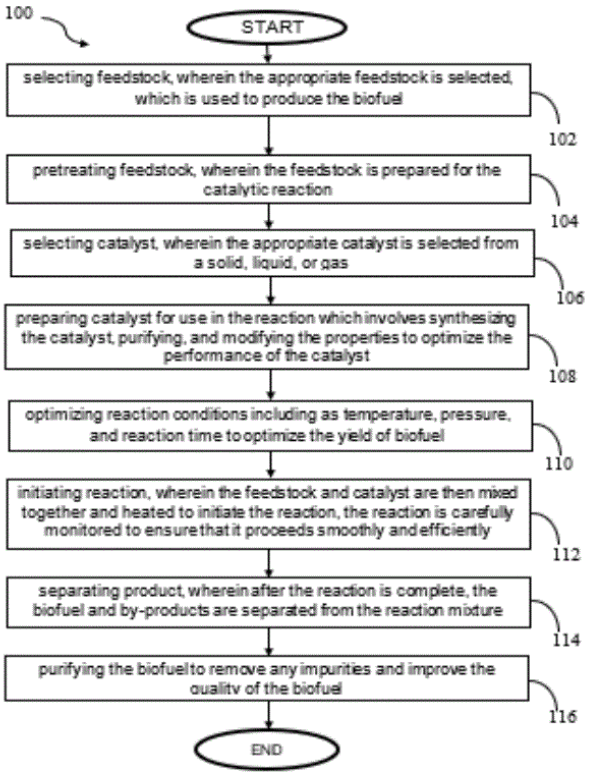
21: 2023/07533. 22: 2023/07/28. 43: 2024/01/31
51: A61B
71: FUZHOU UNIVERSITY
72: ZHU, Zhaoju, GAO, Chuhang, SUN, Xinhui, ZHU, Yunqi, HE, Bingwei
33: CN 31: 202110593491.5 32: 2021-05-28
54: OPERATING METHOD OF CARDIOVASCULAR INTERVENTIONAL SURGICAL DEVICE BASED ON INTEGRATION OF CALCIFIED TISSUE REMOVAL, RECOVERY AND COOLING
00: -
A cardiovascular interventional operation device based on integration of calcified tissue removal, recovery and cooling, and a working method therefor. The cardiovascular interventional operation device comprises a guide wire (1), a spiral transmission shaft (2) which is sleeved on the periphery of the guide wire (1), a step drill (3) which is fixed to the periphery of a local section of the spiral transmission shaft (2), six thin-wall curved surface connecting pieces (4) which are used for fixedly connecting the step drill (3) to the spiral transmission shaft (2), a sheath (5), and an elastic filter screen (6) which is disposed on a front side of the step drill (3) and the opening and closing of which may be controlled. The spiral transmission shaft (2) is driven by a power mechanism to rotate; a sleeve (7) is fixedly arranged on a front portion of the step drill (3), and through holes (10) are evenly provided in the step drill (3); the elastic filter screen (6) is a cylindrical structure having an opening in a rear end and is fixed in a position of the guide wire (1) close to the tip; and four connecting rods (8) are fixed to the rear end of the elastic filter screen (6) and connected to a front end portion of the sleeve

(7) of the step drill; the tip of the guide wire (1) is coated with a soft material so as to prevent the guide wire (1) from damaging an inner wall of a blood vessel; and the through holes (10) are disposed in the step drill (3), and the effect of reducing heat accumulation is achieved by increasing the flow of a liquid.

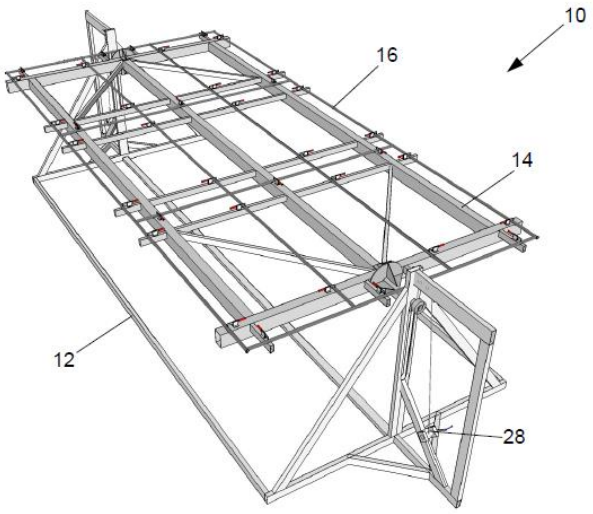


21: 2023/07549. 22: 2023/07/28. 43: 2024/01/31
51: C12C
71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCES
72: WANG, Hengzhen, DENG, Peng, SUN, Sujun, PENG, Chune, DONG, Xiaodan, PENG, Lizeng
54: WORMWOOD-FLAVORED CHINESE CHESTNUT BREWING POWDER AND PREPARATION METHOD THEREFOR
00: -
The present disclosure belongs to the field of food processing, and in particular to a wormwood-flavored Chinese chestnut brewing powder and a preparation method therefor. The wormwood-flavored Chinese chestnut brewing powder is prepared from raw materials as follows: 20 parts-30 parts of Chinese chestnuts, 3 parts-5 parts of wormwood, 1 part-2 parts of soybean extracts, and 1 part-2 parts of xylitol. The Chinese chestnut brewing powder prepared through the present disclosure has a high content of the Chinese chestnuts, a unique wormwood flavor without other foreign flavors, a high dissolution speed after rehydrated without agglomeration in water, good dispersibility, few agglomerated particles, a short wetting time, and a uniform and fine solution organization.

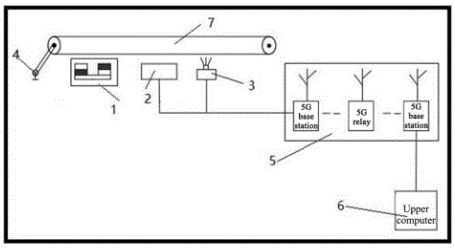
21: 2023/07559. 22: 2023/07/31. 43: 2024/01/29
51: C07K
71: Dr. Kashmiri Ashish Khamkar, Dr. S. Mani Naidu, Dr. Shobha Thakur, Dr. Bhimraj Gawade, Dr. V. Nagalakshmi, Dr. Obaiah Jamakala, Dr. Nellore Manoj Kumar, Dr. Dhondiram Tukaram Sakhare, Dr. Subhasis Roy
72: Dr. Kashmiri Ashish Khamkar, Dr. S. Mani Naidu, Dr. Shobha Thakur, Dr. Bhimraj Gawade, Dr. V. Nagalakshmi, Dr. Obaiah Jamakala, Dr. Nellore Manoj Kumar, Dr. Dhondiram Tukaram Sakhare, Dr. Subhasis Roy
33: IN 31: 202321027842 32: 2023-04-16
54: A NOVEL CATALYTIC PROCESS FOR ENHANCING BIOFUEL PRODUCTION
00: -
The present invention relates to a novel catalytic process for enhancing biofuel production comprises of the following steps: selecting feedstock, wherein the appropriate feedstock is selected, which is used to produce the biofuel; pretreating feedstock, wherein the feedstock is prepared for the catalytic reaction; selecting catalyst, wherein the appropriate catalyst is selected from a solid, liquid, or gas; preparing catalyst for use in the reaction which involves synthesizing the catalyst, purifying, and modifying the properties to optimize the performance of the catalyst; optimizing reaction conditions including as temperature, pressure, and reaction time to optimize the yield of biofuel; initiating reaction, wherein the feedstock and catalyst are then mixed together and heated to initiate the reaction, the reaction is carefully monitored to ensure that it proceeds smoothly and efficiently; separating product, wherein after the reaction is complete, the biofuel and by-products are separated from the reaction mixture; and purifying the biofuel to remove any impurities and improve the quality of the biofuel.



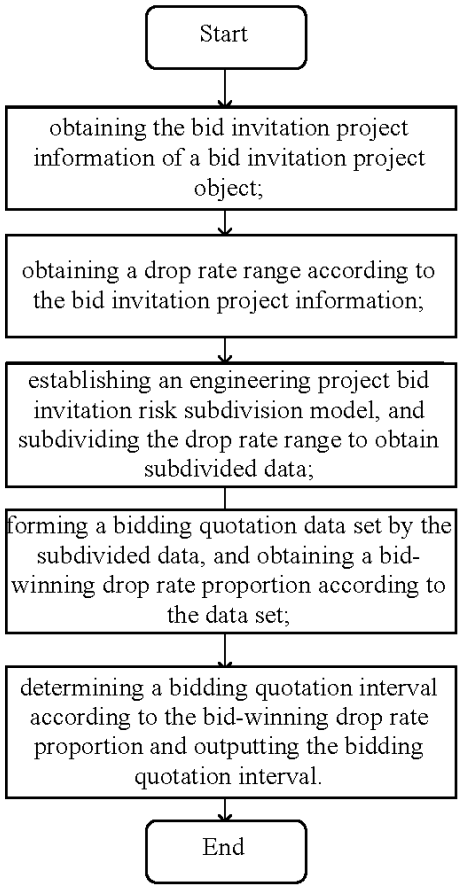
21: 2023/07561. 22: 2023/07/31. 43: 2024/01/31
51: B23K
71: VAN DER LEEK, Robert Benjamin
72: VAN DER LEEK, Robert Benjamin
54: WELDING JIG
00: -
A jig (10) includes a base frame (12) and a cradle (14) that is supported by the base frame (12) so the cradle (14) can be pivoted and can be lifted and lowered relative to the base frame (12). The cradle (14) is configured so that components of an object such as an electrode frame (16) can be supported on the cradle (14) and the cradle can be moved to allow the components to be welded together to form the electrode frame (16).



21: 2023/07562. 22: 2023/07/31. 43: 2024/01/29
51: H04W
71: China University of Mining and Technology, Beijing
72: WANG, Hongyao, TIAN, Jie, SHEN, Zhigang, ZHAO, Chun
33: CN 31: 202310064095.2 32: 2023-01-16
54: 5G-BASED MAGNETISM GATHERING SCAN MONITORING SYSTEM FOR MINING STEEL CORE CONVEYOR BELT AND METHOD THEREOF
00: -
The present invention discloses a 5G-based magnetism gathering scan monitoring system for a mining steel core conveyor belt and a method thereof. The system includes: a magnetic scanning probe, configured to perform magnetization on the mining steel core conveyor belt; a magnetism gathering flaw detection sensor, configured to detect a magnetic field signal of the magnetized mining steel core conveyor belt and convert the magnetic field signal into a current signal; an image capturing apparatus, configured to obtain an image of the conveyor belt; an encoder, configured to detect a rotational speed signal of the roller; a 5G module, separately connected to the magnetism gathering flaw detection sensor, the image capturing apparatus, and the encoder; and an upper computer, configured to identify damage of the mining steel core conveyor belt and position a location of the damage.

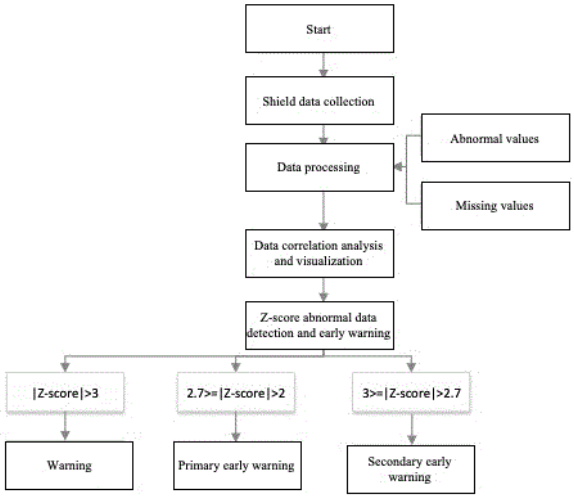


21: 2023/07566. 22: 2023/07/31. 43: 2024/01/29
51: G06Q
71: CHINA RAILWAY FIRST GROUP CO., LTD, INTELLIGENT & TECHNOLOGY BRANCH OF CHINA RAILWAY FIRST GROUP CO., LTD.
72: YUAN, Yongfeng, LIU, Dan, DONG, Jingyi, XU, Jinxiang, AN, Huan, QIU, Fengtao, WANG, Yong, WANG, Xiaolin
33: CN 31: 2022114183642 32: 2022-11-14
54: AN ENGINEERING PROJECT BIDDING QUOTATION ANALYSIS METHOD AND A SYSTEM AND A STORABLE MEDIUM
00: -
The present invention discloses an engineering project bidding quotation analysis method and a system and a storable medium, and belongs to the technical field of computers. The method comprises the steps of: obtaining the bid invitation project information of a bid invitation project object; obtaining a drop rate range according to the bid invitation project information; establishing an engineering project bid invitation risk subdivision model, and subdividing the drop rate range to obtain subdivided data; forming a bidding quotation data set by the subdivided data, and obtaining a bid-winning drop rate proportion according to the data set; and determining a bidding quotation interval according to the bid-winning drop rate proportion and outputting the bidding quotation interval. According to the method of the present invention, the principle of statistical analysis is utilized, in-depth analysis of bidding documents is achieved, an engineering project bidding risk subdivision model is constructed, the optimal bidding quotation interval is calculated, and an accurate decision-making basis is provided for bidding quotation. Meanwhile, the labor cost is greatly saved, and the bidding quotation calculation efficiency is improved.



21: 2023/07568. 22: 2023/07/31. 43: 2024/01/31
51: G08B
71: CHINA RAILWAY FIRST GROUP CO., LTD, INTELLIGENT & TECHNOLOGY BRANCH OF CHINA RAILWAY FIRST GROUP CO., LTD.
72: AN, Guoyong, YUAN, Yongfeng, XU, Jinxiang, LIU, Dan, XU, Hong, QIU, Fengtao, DONG, Jingyi, WANG, Yong, WANG, Xiaolin, CHEN, Zong
33: CN 31: 2022112009266 32: 2022-09-29
54: A SHIELD ABNORMAL DATA DETECTION METHOD AND A SYSTEM BASED ON A Z-SCORE MODEL
00: -
The present invention discloses a shield abnormal data detection method and a system based on a Z-score model, and relates to the technical field of shield tunneling, and the method comprises the steps: collecting shield data through an intelligent means, and uploading the shield data to a Cloud for storage; analyzing and processing the collected shield data to obtain preprocessed shield data; performing data correlation analysis on said preprocessed shield data to confirm parameters

influencing the overall data; and selecting the basic attributes of the shield data, and carrying out abnormal data detection based on a Z-score model. In the present invention, shield abnormal data early warning can be effectively carried out, and the intelligent level of shield construction engineering is improved.

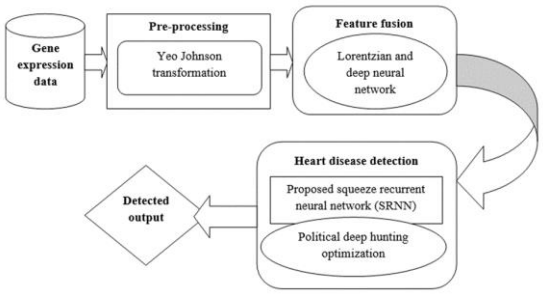


21: 2023/07569. 22: 2023/07/31. 43: 2024/01/31
51: A61B
71: VINAYAK BAIRAGI, CHETAN NIMBA AHER, SARIKA NITIN ZAWARE, MILIND PRALHAD GAJARE, RUPALI PANKAJ PATIL
72: CHETAN NIMBA AHER, SARIKA NITIN ZAWARE, MILIND PRALHAD GAJARE, VINAYAK BAIRAGI, RUPALI PANKAJ PATIL

54: SYSTEM AND METHOD FOR PREDICTING AN ADVANCING HEART DISEASE USING A SQUEEZE RECURRENT NEURAL NETWORK WITH POLITICAL OPTIMIZATION FOR GENE EXPRESSION DATA ANALYSIS

00: -

A system and method to predict an advancing heart disease using a squeeze recurrent neural network (SRNN) is disclosed. The system includes a computer server in communication with the computing system over a communications network. The computer server is configured to acquire gene expression data from one or more sources, pre-process the acquired gene expression data, fusing one or more features from the pre-processed gene expression data, extract one or more relevant features from the one or more fused features using the squeeze recurrent neural network to reduce dimensionality, and predict, based on the one or more extracted relevant features, the heart disease.

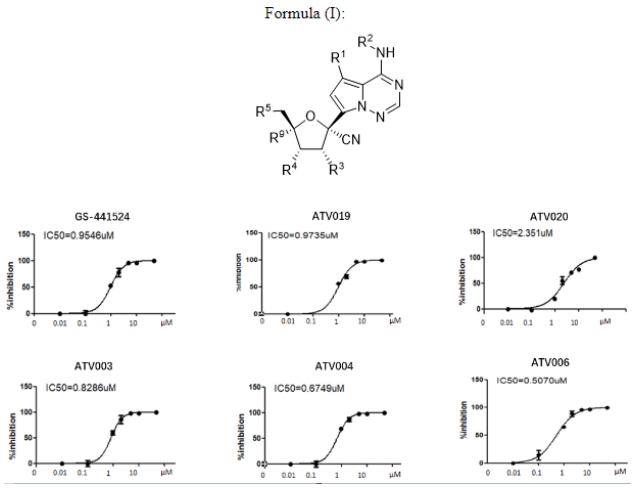


21: 2023/07575. 22: 2023/07/31. 43: 2024/01/31
51: A61K; C07D; A61P
71: SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY, SUN YAT-SEN UNIVERSITY
72: Zhang Xumu, Guo Deyin, Li Guanguan, Cao Liu, Li Yingjun, Xu Tiefeng, Ji Yanxi, Zhou Qifan, Yang Yujian, Zhu Tiaozhen
33: CN 31: 202011613943.3 32: 2020-12-30
33: CN 31: 202110562244.9 32: 2021-05-21

54: METHODS AND MODIFIED NUCLEOSIDES FOR TREATING CORONAVIRUS INFECTIONS

00: -

Provided are methods for treating coronavirus infections by administering modified nucleosides, ester and amino acid ester prodrugs of nucleoside, their pharmaceutically acceptable salts, and drug combination thereof, of Formula (I). The compounds, combination, and methods provided are particularly useful for preventing, mitigating, or treating coronavirus infections or cytopathic effects resulting from the replication or reproduction of coronaviruses and their variants, including SARS-CoV-2.

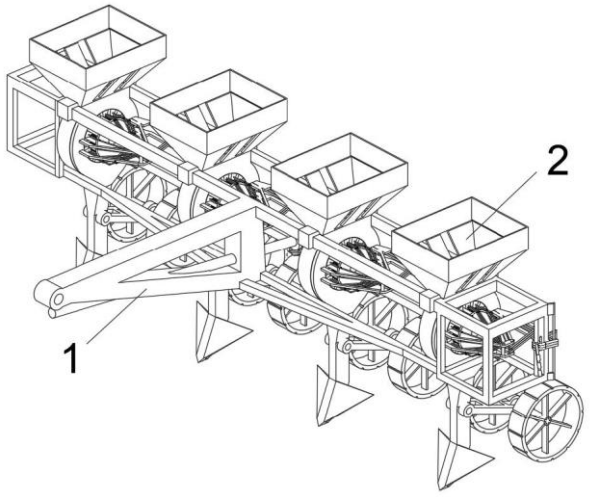


21: 2023/07582. 22: 2023/07/31. 43: 2024/01/31
51: A01C
71: SIXIAN WEIDA AGRICULTURAL MACHINERY CO., LTD.
72: ZHAO, Shougan, LI, Guangyao, GAN, Li, LI, Da
33: CN 31: CN202310312261.6 32: 2023-03-28

54: SEEDER WITH ADJUSTABLE SEEDING SPACING

00: -

The present invention relates to the technical field of seeding device and discloses a seeder with adjustable seeding spacing, including a connecting mechanism and seeding mechanisms. The seeding mechanisms are uniformly and fixedly mounted in the connecting mechanism. A feeding portion is fixedly mounted in the seeding mechanism. A center of a side surface of the feeding portion is rotatably snap-fitted with a seed conveying portion, and a periphery of a side surface of the seed conveying portion is movably connected to an adjustment portion. A limit frame is fixedly mounted in the connecting mechanism, and a side edge at a bottom end of the limit frame is rotatably snap-fitted with a transmission shaft. Through the adjustment and control of the seeding mechanism, the present invention allows the seeder to sow different seeds with different spacings in a case that the operation speed of the seeder is not changed, avoiding replacing different seeders for use and decreasing the operation speed of the seeder, thereby ensuring efficient seeding.



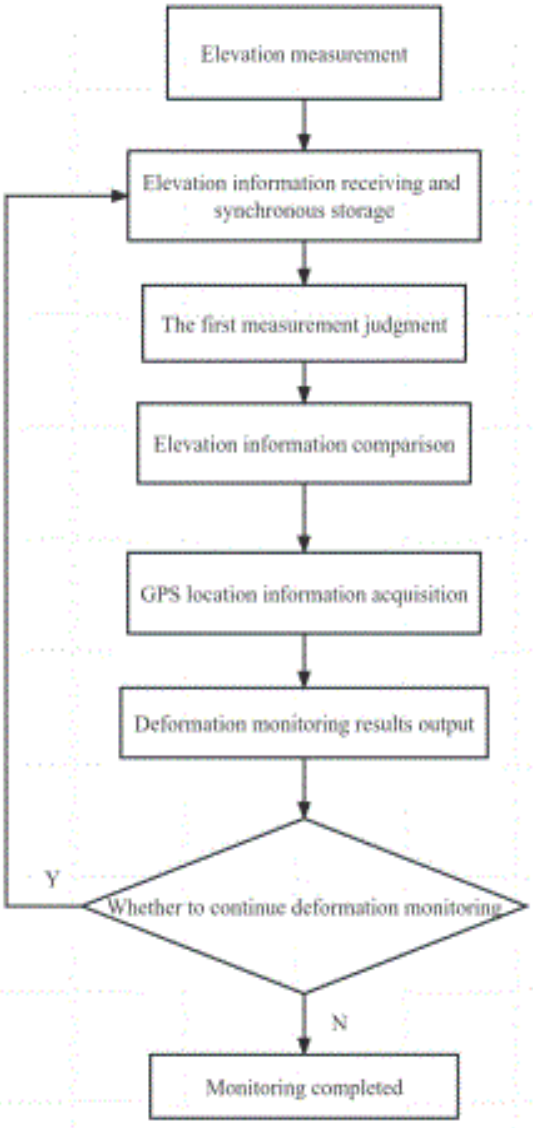
21: 2023/07605. 22: 2023/08/01. 43: 2024/02/09
51: B64C
71: China Jikan Research Institute of Engineering Investgations and Design Co., Ltd.
72: Yonglin YANG, Jie CAO, Zaixin WAN, Chao YANG, Peng GAO, Dongfeng PAN, Yuanqiang ZHOU, Dongjing WANG, Xiao DONG, Guoyi TANG, Jiao LIN, Lei RAN, Long ZHANG, Zhi LIU, Zhenhong WEI, Weiwei ZHAO

54: A GROUND FISSURE DEFORMATION MONITORING SYSTEM AND MONITORING METHOD

00: -

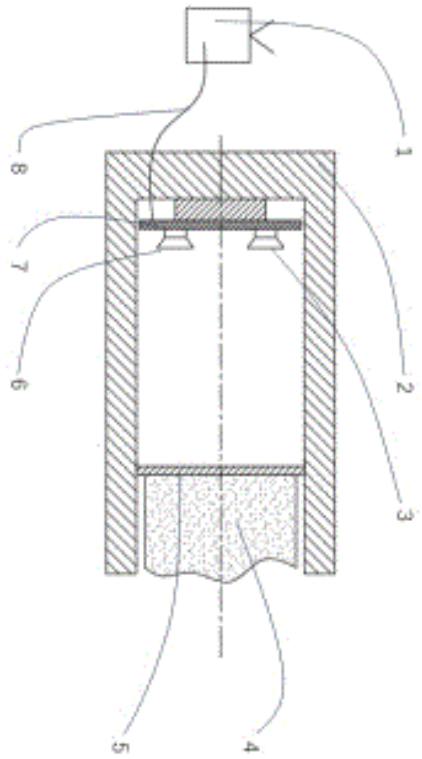
The present invention discloses a ground fissure deformation monitoring system and a monitoring method, the system includes an upper monitoring host, an elevation measurement system and a GPS positioning system used for obtaining the GPS position information of the area where the monitored ground fissures are located; the elevation measurement system includes two groups of level instruments which are used to measure the elevation of multiple level points on both sides of the upper part of the monitored ground fissures respectively, each group of level instruments includes multiple level instruments, and the distance between the two adjacent level instruments is 10 m ~ 20 m; the monitoring method includes steps: I. elevation measurement; II. the process of elevation information analysis and processing is as follows: 201. elevation information receiving and synchronous storage; 202. the first measurement judgment; 203. elevation information comparison; 204. GPS location information acquisition; 205, deformation monitoring results output. The present

invention has the advantages of reasonable design, simple monitoring and effective in use, it can simply and quickly complete the monitoring process of ground fissure deformation, and the monitoring effect is good.



21: 2023/07606. 22: 2023/08/01. 43: 2024/02/09
51: G01L
71: China University of Geosciences, Wuhan
72: Tao ZHANG, Bo SU, Lizhen ZHOU, Rongjing WANG, Guosheng JIANG, Chunhua LU, Zhi CHEN, Xiongze ZHENG, Mingsong LEI
54: AN UNDERGROUND ROCK CORE FOOTAGE MONITORING DEVICE BASED ON AN ULTRASONIC SENSOR
00: -

The present invention discloses a method and device for measuring core footage by recording and analyzing the propagation speed and propagation time of ultrasonic wave, judging the position of the top end of the rock core in the rock core tube by using the reflection characteristics of the ultrasonic sensor on the interface of the two kinds of mediums the ground non-visual rock core tube during the drilling construction process, including an upper-end cover, a lower-end cover, a protective cylinder, a circular circuit board, an ultrasonic sensor element, a temperature sensor, a power supply, a reflector, am ultrasonic partition cover, etc., in the protection cylinder, the ultrasonic components are connected to the circular main board through the cable, and all the electronic components are connected according to the designed circuit, the ultrasonic transmitter and ultrasonic receiver are arranged axially symmetrically at the hollow of the lower end cover, the signal of the ultrasonic sensor on the circuit board can be detected by the multi-channel voltage tester outside. The specific location of the core can be judged by timing; the device has a wide range of applications, which provides a reliable solution for the positioning requirements of objects in confined space, provides data support for its subsequent action execution, and improves work efficiency.

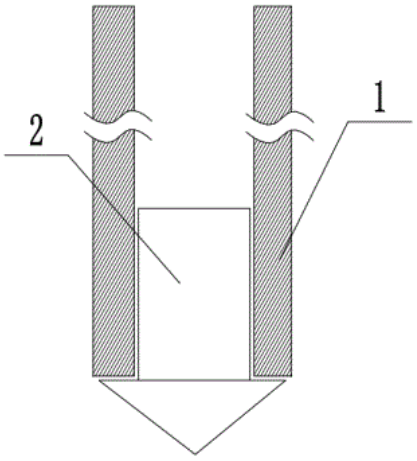


21: 2023/07607. 22: 2023/08/01. 43: 2024/02/09
51: E02D
71: Henan University of Urban Construction
72: ZHANG, Shuo, LONG, Dan, WANG, Xibin, YANG, Mingfei, ZHENG, Chao

54: LARGE-BEARING-CAPACITY PILE AND CONSTRUCTION METHOD

00: -

Disclosed in the present invention are a large-bearing-capacity pile and a construction method, which relate to the technical field of construction of pile foundations. The large-bearing-capacity pile includes a hollow pile, where the hollow pile is internally provided with a solid pile, and the hollow pile and the solid pile are in clearance fit. A lower end of the solid pile can extend out of a hollow pile body, and the lower end of the solid pile is fixedly provided with a pile head. An upper surface of the pile head can abut against a lower end of the hollow pile, and a diameter of the upper surface of the pile head is larger than an inner diameter of the hollow pile. The large-bearing-capacity pile and the construction method provided by the present invention can improve bearing capacity of the pile body.

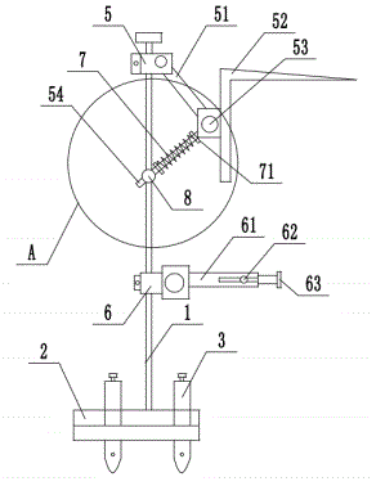


21: 2023/07608. 22: 2023/08/01. 43: 2024/02/09
51: E02D
71: Henan University of Urban Construction
72: ZHANG, Shuo, LONG, Dan, GUO, Chunlei, WANG, Xiaojie, LIU, Zhiting

54: SLOPE SUPPORTING DEVICE FOR ROCK-SOIL FOUNDATION PIT CONSTRUCTION

00: -

Disclosed in the present invention is a slope supporting device for rock-soil foundation pit construction. The slope supporting device includes a supporting rod, where a lower end of the supporting rod is fixedly connected to a base, and both sides of the base are provided with insertion barrels. A push rod can extend into the insertion barrel, one end of the push rod is rotationally connected to a connecting block, and a side wall of the connecting block is hinged to a plurality of transmission rods. An inner bottom wall of the insertion barrel is slidably connected to a plurality of moving blocks, each transmission rod can be hinged on one moving block, and each moving block is provided with an insertion pin.

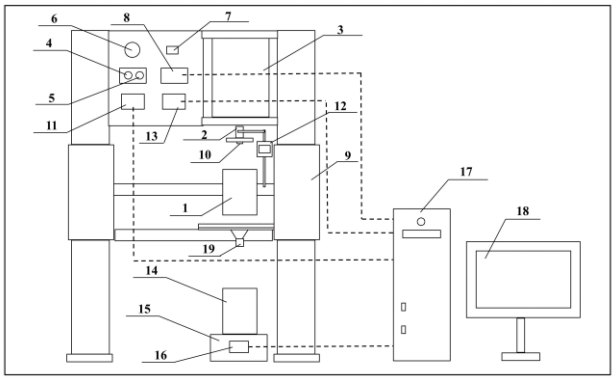


21: 2023/07609. 22: 2023/08/01. 43: 2024/02/09
51: B01D
71: Taiyuan University of Technology
72: MA Xiaomin, FAN Yuping, DONG Xianshu, FU Yuanpeng, CHEN Ruxia

54: NOVEL INTELLIGENT MONITORING PRESSURE FILTER FOR MINERAL SLURRY DEWATERING

00: -

The invention discloses a novel intelligent monitoring pressure filter for mineral slurry dewatering, which comprises a frame, a dewatering power actuating mechanism and a data monitoring and control mechanism arranged on the frame, wherein the dewatering power actuating mechanism comprises a sample pool movably arranged on the right side of the frame through a sliding device; a pressure source arranged on the right side of the frame, wherein one side of the pressure source close to the sample pool is a pressure output end, and the pressure output end is connected with a pressure push rod, the central axis of the pressure push rod is in the same vertical line with the central axis of the sample pool, and the side of the pressure push rod close to the sample pool is provided with a pressure sensor; a displacement sensor arranged between the sample pool and the pressure source is connected, and the inner side of the displacement sensor is in contact with the pressure push rod; the filtrate container is arranged below the sample pool, and the bottom of the filtrate container is provided with a weight sensor and a weight data center.

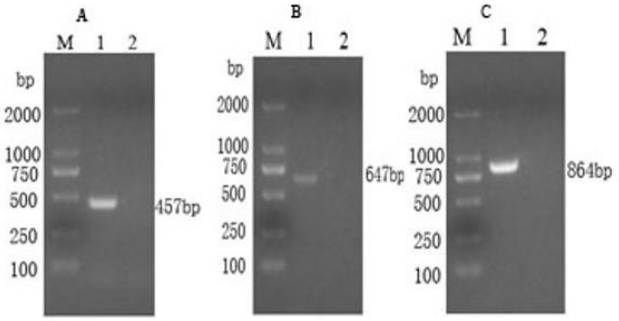


21: 2023/07616. 22: 2023/08/01. 43: 2024/02/12
51: A61K
71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, JIANGSU NANNONG HI-TECH CO., LTD
72: JIN, Mengmeng, ZHOU, Lin

54: PREPARATION AND APPLICATION METHODS FOR INACTIVATED VACCINE COMPOSITION FOR SWINE ATROPHIC RHINITIS

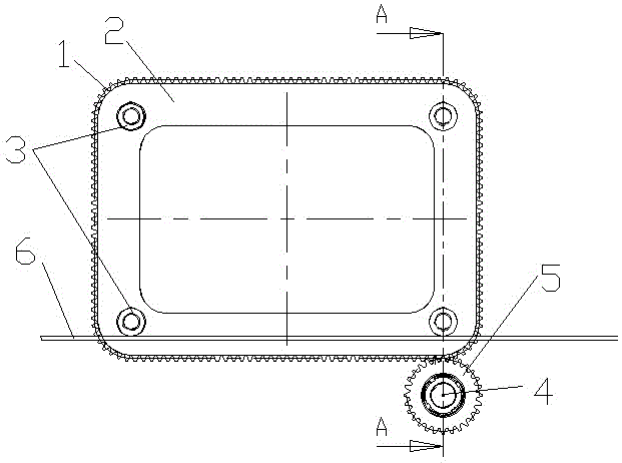
00: -

The present invention belongs to the technical field of veterinary biological products, and particularly relates to preparation and application methods for an inactivated vaccine composition for swine atrophic rhinitis. The inactivated vaccine composition for the swine atrophic rhinitis includes toxigenic Pasteurella multocida (strain ZXT+Pm), Bordetella bronchiseptica (strain AHBb), an N-terminal protein and a C-terminal protein (rPMT-N and rPMT-C) of toxigenic Pasteurella multocida toxin and a carbomer water adjuvant. Beside including ZXT+Pm and AHBb antigen components, an inactivated vaccine for the swine atrophic rhiniti prepared by the present invention is also added with rPMT-N and rPMT-C, so as to not only prevent the swine atrophic rhinitis caused by ZXT+Pm and AHBb, but also avoid osteolysis generated by a toxin protein secreted by ZXT+Pm and enhance immunoprotection to the swine atrophic rhinitis.



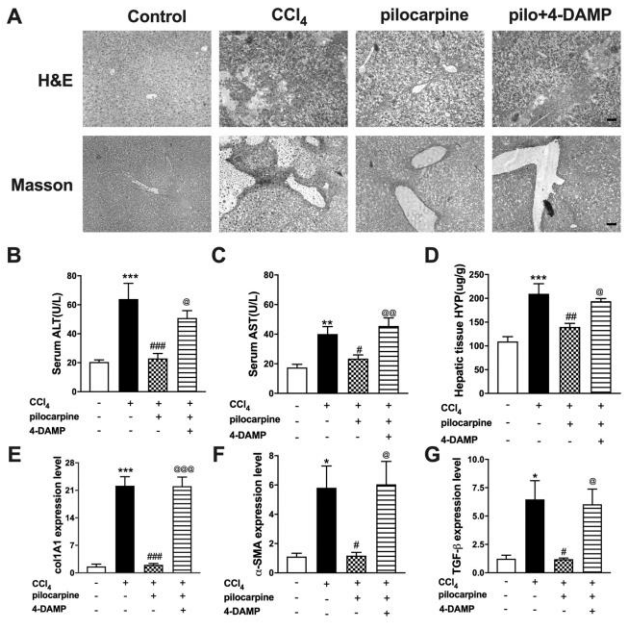
21: 2023/07618. 22: 2023/08/01. 43: 2024/02/13
51: C08G; C08J; C08K; C08L
71: ANHUI HONGCHANG NEW MATERIALS CO., LTD
72: BU, Yuxuan, LUO, Xuejun, HUANG, Meng, NIU, Yushuang, CAO, Qianyong, SUN, Yongfu
33: CN 31: 202211598332.5 32: 2022-12-14
54: HIGH-TEMPERATURE-RESISTANT PREPREG FOR USE IN PRODUCTION OF CARBON FIBER COMPOSITE MATERIAL AND PREPARATION METHOD THEREFOR
00: -
The present invention relates to the field of carbon fiber prepregs, and in particular, to a high-temperature-resistant prepreg for use in production of a carbon fiber composite material and a preparation method therefor, which are used for solving the problems in the prior art that the high-temperature-resistant performance of a carbon fiber prepreg is poor, and the bonding between a resin matrix and carbon fibers of the carbon fiber prepreg is poor, which results in poor mechanical properties thereof. In the preparation method, modified carbon fibers and an epoxy resin composition are used as main raw materials, and an interface binding between the modified carbon fiber and the epoxy resin composition is excellent, ensuring that the prepared high temperature resistant prepreg has good mechanical performance; and the epoxy resin composition is formed by mixing an epoxy resin E-51 and a high-temperature-resistant epoxy resin, and the high-temperature-resistant epoxy resin has excellent high-temperature resistance, thereby endowing the prepared high-temperature-resistant prepreg with good high-temperature resistance.

21: 2023/07628. 22: 2023/08/02. 43: 2024/02/09
51: B23D
71: Fuzhou University
72: CAI Yingjie, YAO Ligang, WANG Zhenya, HUANG Xiaoliang
54: NON-CIRCULAR GEAR PLANE MOVEMENT FEEDING DEVICE FOR SPINNING DEVICE AND WORKING METHOD THEREOF
00: -
The invention relate to a non-circular gear plane movement feeding device for spinning device and its working method, which comprise a driving shaft, a tooth frame platform, a limiting shaft and a limiting guide rail, where the tooth frame platform and a driving gear assembled on the driving shaft complete feeding through gear matching, and the limiting shaft enables the driving shaft to move circularly around the axis of the limiting shaft at the matching position with a fillet body of the tooth frame platform. The limiting guide rail is a fixed member, so that the tooth frame platform and the gear on the driving shaft can enter the rack-and-pinion matching part. Compared with the prior art, the invention has the following beneficial effects: the combination of the tooth frame body formed by connecting the fillet body and the rack and the driving gear is utilized, so that the movement of non-single linear feed is realized, and the scheme is novel, the structure is simple, the mechanism is compact and the operation is reliable.



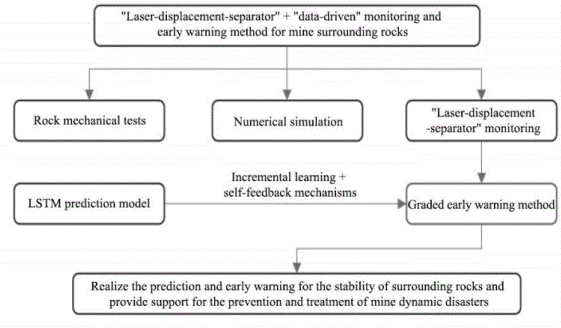
21: 2023/07629. 22: 2023/08/02. 43: 2024/02/09
51: A61K
71: HAINAN MEDICAL UNIVERSITY
72: LIU Yan, GUO Yueping, ZHANG Haiying, GAO Yanan
54: APPLICATION OF M3 MUSCARINIC RECEPTOR AGONISTS IN PREPARING MEDICINE FOR TREATING LIVER INJURY
00: -

The invention discloses an application of M3 muscarinic receptor (M3R) agonists in preparing medicines for treating liver injury, and belongs to the field of biomedicine. The present invention discovers for the first time that M3R participates in the process of hepatocyte proliferation by regulating Sp1 and Gm2199. The activated M3R can specifically regulate Gm2199 by inhibiting the expression of Sp1. At the same time, Gm2199 directly regulates miR-212, and ERK is the potential target of miR-212, indicating that activating M3R can reverse liver injury through the Sp1/lncRNA Gm2199/miR-212 axis, which is of great significance for developing a new therapeutic mechanism for liver injury.



21: 2023/07630. 22: 2023/08/02. 43: 2024/02/09
51: C05G
71: Gansu Desert Control Research Institute
72: LIU, Shujuan, YUAN, Hongbo, LI, Xuemin, WAN, Xiang, LI, Jingjing, LIU, Kailin, LIU, Hujun
54: ORGANIC COW DUNG FERMENTED FERTILIZER AND PREPARATION METHOD THEREFOR
00: -
Disclosed are an organic cow dung fermented fertilizer and a preparation method therefor. Dehydration of cow dung is accelerated by adding quicklime and biomass charcoal, an addition material is wheat straw or wheat bran, which is common in agricultural production in northern China, EM for fermentation of an organic fertilizer are added to the fermentation material wheat straw or wheat bran to increase a carbon ratio of the organic fertilizer and fermentation bacteria, volume of a fermentation tank or pile is kept at 1 cubic meter to maintain fermentation temperature and humidity and improve fermentation efficiency of cow dung; the wheat straw is added to the cow dung for fermentation preparation of the organic fertilizer, which solves the problem of utilization of breeding excrement and crop straw residues and improves utilization values thereof.

21: 2023/07631. 22: 2023/08/02. 43: 2024/02/09
51: G01N
71: Chongqing GaoWei Smart Mining Co.,Ltd, Chongqing University
72: CHEN, Jie, PU, Yuanyuan, SHANG, Xueyi, XU, Le, CUI, Yi
54: PREDICTION AND EARLY WARNING METHOD FOR STABILITY OF MINE SURROUNDING ROCKS BASED ON LASER-DISPLACEMENT-SEPARATOR MONITORING PARAMETERS
00: -
The present invention provides a prediction and early warning method for the stability of mine surrounding rocks based on laser-displacement-separator monitoring parameters, which belongs to the technical field of mine surrounding rock monitoring. A stepped early warning method based on laser distance measuring, multipoint displacement meter monitoring, and separator monitoring is combined with rock mechanical tests, numerical simulation, and a time series prediction method to realize "laser-displacement-separator" and "data-driven" intelligent monitoring and early warning of mine surrounding rock deformation. The early warning accuracy of mine surrounding rock deformation is enhanced by the combined application of various monitoring methods and the development of new methods. By the LSTM time series prediction method, the possibility of surrounding rock caving can be predicted to take measures to prevent disasters and accidents in advance.

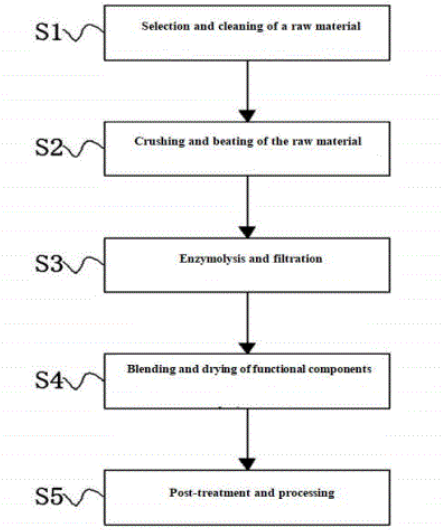


21: 2023/07633. 22: 2023/08/02. 43: 2024/02/09
51: A23L
71: Hubei Xianzhiling Food Co., Ltd.
72: DUAN, Wenjie, WANG, Xueping, XU, Lu, DUAN, Guangzhi

54: METHOD FOR PREPARING PUERARIAE RADIX ESSENCE INFUSION

00: -

The present disclosure relates to the technical field of preparation of Puerariae Radix Essence Infusion, specially discloses a method for preparing Puerariae Radix Essence Infusion, comprising the following steps: S1, selection and cleaning of a raw material, S2, crushing and beating of the raw material, S3, Enzymolysis and filtration, S4, Blending and drying of functional components, and S5, Post-treatment and processing. The method for preparing Puerariae Radix Essence Infusion can realize the integration of enzymolysis and filtration, achieve the purpose of rapid and efficient production of Puerariae Radix Essence Infusion; the preparation process is simple and the production efficiency is high, and there is no need for production personnel to spend a lot of time on the enzymolysis and filtration, which greatly reduces the workload of production personnel and improves their production efficiency, thereby greatly facilitating the production of Puerariae Radix Essence Infusion for production personnel.



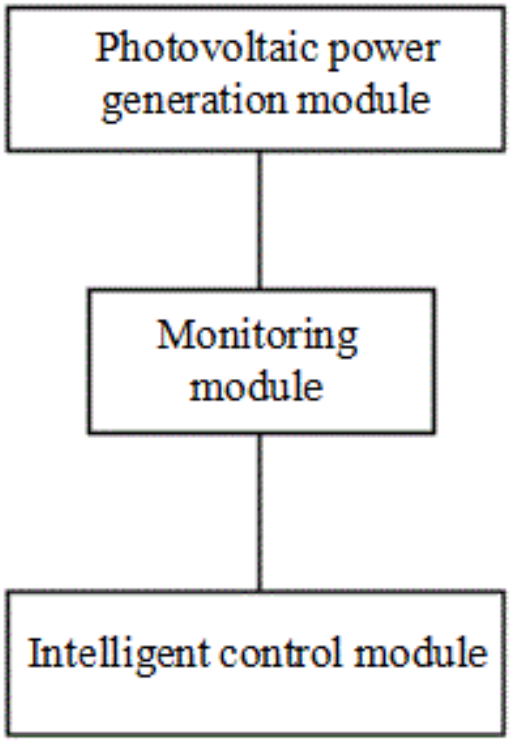
21: 2023/07634. 22: 2023/08/02. 43: 2024/02/09
51: H02J
71: Henan University of Urban Construction
72: ZHANG Renqi, YANG Ruijuan, LIU Zhiqing, HUA Chunfei, XU Huafeng, WANG Chaoyong, ZHANG Feipeng, DU Yabing, GAO Wenying, WANG Mengke, WANG Huanli, DOU Cheng, QI Fuhao, YE Mengna, WANG Menghao

54: INTELLIGENT PHOTOVOLTAIC CONTROL SYSTEM FOR BUILDINGS AND CONTROL METHOD THEREOF

00: -

The application discloses an intelligent photovoltaic control system for buildings and a control method thereof, wherein the system comprises a photovoltaic power generation module, a monitoring module and an intelligent control module. The photovoltaic power generation module is respectively connected with the monitoring module and the intelligent control module, and is used for collecting solar energy and converting the solar energy into electric energy. The monitoring module is also connected with the intelligent control module, and is used for monitoring the data inside and outside the building. The intelligent control module is used for controlling the photovoltaic power generation module based on the data inside and outside the building. The building intelligent photovoltaic control system provided by the application has the characteristics of high efficiency, reliability and intelligence, can meet the energy demand of buildings, and make maximum use of solar energy resources. The system has broad

application prospects and can play an important role in the field of renewable resources.

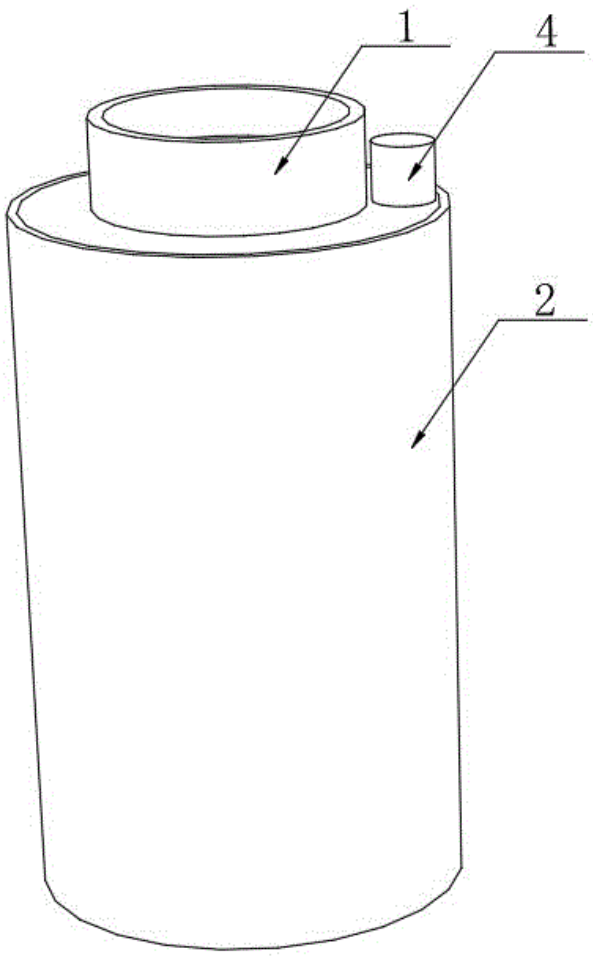


21: 2023/07638. 22: 2023/08/02. 43: 2024/02/09
51: A61B
71: Shenyang University of Technology
72: Jichi Chen, Zijian Jia
33: CN 31: 202320956886.1 32: 2023-04-25

54: AN ELECTROENCEPHALOGRAM COLLECTING ELECTRODE

00: -

The invention relates to the technical field of electroencephalogram monitoring, and discloses an electroencephalogram collecting electrode, comprising a transmission interface on which a protective shell is arranged. The protective shell is connected with the transmission interface and fixed on the lower component of the transmission interface, the protective shell is provided with a disinfection chamber, and the disinfection chamber is arranged in the inner component of the protective shell. The protective shell is provided with a liquid injection port, the liquid injection port is fixed on the top of the protective shell, the protective shell is provided with a protective plug, the protective plug is arranged on the bottom of the protective shell. In the invention, the disinfectant is put into the disinfection chamber through the injection mouth, the protective plug can prevent the disinfectant from flowing out of the disinfection chamber, and the disinfectant can be injected into the disinfection chamber through the protective shell. This enables the electrodes installed in the disinfection chamber to be automatically disinfected, which reduces the burden for the staff's later disinfection work, and the protective shell can provide protection for the electroencephalogram collection electrode.

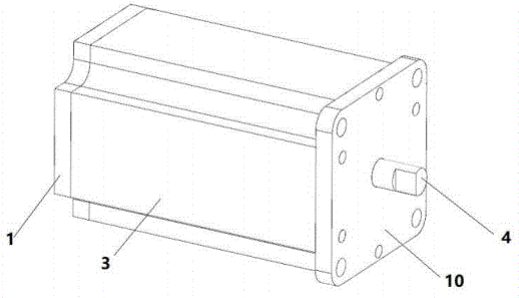


21: 2023/07644. 22: 2023/08/02. 43: 2024/02/09
51: H02K
71: TANGSHAN POLYTECHNIC COLLEGE
72: ZHANG, Hongguo, WANG, Zhensheng, DAI, Kun, ZENG, Yan, REN, Baifeng, CHANG, Yanchen, MENG, Guangshuang, XING, Tingting, TIAN, Honglei, ZHANG, Huihua, HAN, Yongcheng, ZHANG, Muzhuo, CAI, Zhiquan
33: CN 31: 202210559575.1 32: 2022-05-23

54: IRONLESS HIGH-POWER RADIAL AC PERMANENT-MAGNET SYNCHRONOUS MOTOR

00: -

The present invention discloses an ironless high-power radial AC permanent-magnet synchronous motor. The permanent-magnet synchronous motor includes a motor rear end cover, a tailstock bearing, a motor housing, a motor shaft, an inner rotor, a connecting disc, an outer rotor, a stator winding, a front end bearing and a motor front end cover, wherein the stator winding includes a stator insulation core and a stator coil. The stator winding of the high-speed motor is designed to an ironless structure, so that the iron core loss is eliminated compared with an iron core structure; and an inner and outer rotor structure is used, so that the magnetic field of the permanent magnet of the inner rotor is diffused to the outer rotor, the magnetic density at the stator coil of the AC permanent-magnet synchronous motor is increased, and the output torque of the motor is increased.

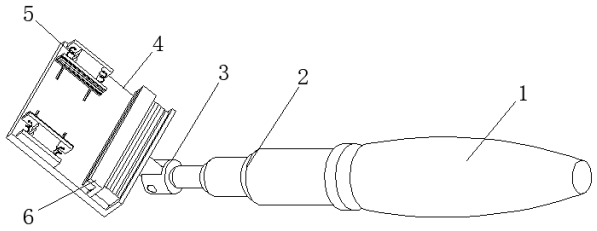


21: 2023/07658. 22: 2023/08/02. 43: 2024/02/09
51: H04M
71: LU'AN CHUANGWU HANGCHENG TECHNOLOGY CO., LTD
72: Hu Xiaojiao

54: SELFIE STICK CONVENIENT FOR STORAGE

00: -

The present invention discloses a selfie stick convenient for storage, including a handle. A pulling rod is connected to one side of the handle via a bolt, a connecting frame is connected to one end, away from the handle, of an outer wall of the pulling rod via a bolt, rotating holes are disposed on inner walls of two sides of an opposite of the connecting frame, and damping bearings are embedded in inner walls of two rotating holes. A rotating shaft is rotatably connected between two damping bearings, a connecting shaft is connected to one side of the rotating shaft via a bolt, and a fixing plate is connected to one end of the connecting shaft via a bolt. A fixing mechanism is arranged at one side of the fixing plate and includes two clamping mechanisms and a support mechanism. The present invention can play a role of buffering and vibration-damping to protect a mobile phone, thereby improving the stability of the selfie stick and preventing a position of the mobile phone from shifting due to the vibration generated during walking. Otherwise, the mobile phone will slide off the selfie stick over time, thereby causing damage to the mobile phone.



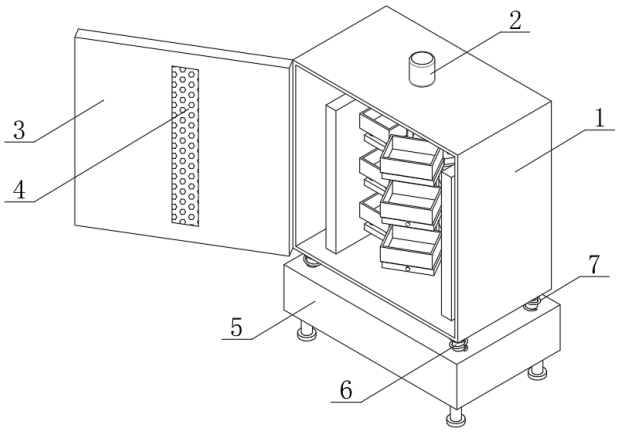
21: 2023/07659. 22: 2023/08/02. 43: 2024/02/09
51: G11B
71: Anhui Zhongke Zhixin Environmental Technology Co., Ltd.
72: Song Zhichao, Gao Huiyi

54: DATA STORAGE DEVICE BASED ON INTERNET OF THINGS

00: -

The present invention discloses a data storage device based on Internet of Things, and the device includes a box body, specifically, an outer wall of one side of the box body is rotatably connected to a cover plate, a bottom of the box body is fixedly connected to a bottom box, an inner wall of the box body is rotatably connected to a rotating rod, a top of the rotating rod is fixedly connected to a motor and the motor is fixedly connected to the box body, an outer wall of the rotating rod is provided with a plurality of bottom plates, height-adjusting mechanisms are arranged between the bottom plates and the rotating rod, tops of the bottom plates are provided with bearing mechanisms, two ends of the rotating rod are provided with heat-exchange cooling mechanisms, and the outer wall of one side of the box body is provided with an air-blowing cooling mechanism. According to the present

invention, heat-exchange cooling treatment for liquid can be carried out on the two ends of the inner wall of the box body by arranging the heat-exchange cooling mechanisms on the two ends of the inner wall of the box body, air-blowing cooling treatment can be carried out in the box body by arranging the air-blowing cooling mechanism, and the data storage device in the box body can be cooled evenly by arranging the motor driving the rotating rod to rotate in the box body.

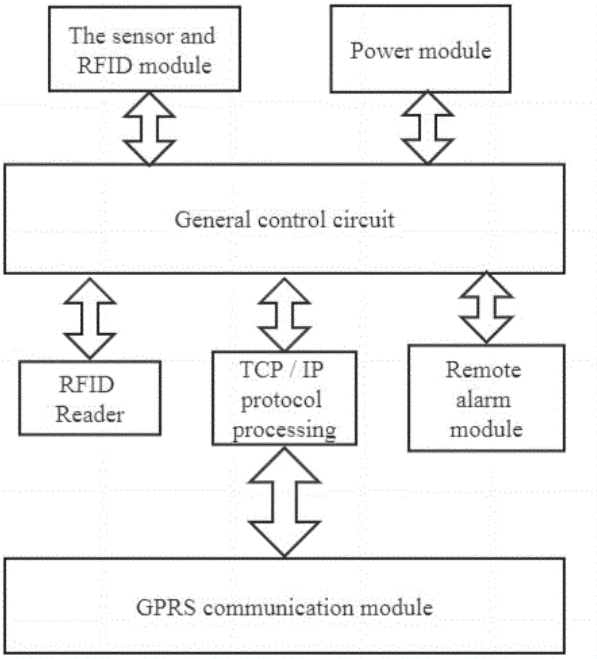


21: 2023/07663. 22: 2023/08/03. 43: 2024/02/09
51: G05B
71: Xi'an Polytechnic University, Zhejiang Weiying Intelligent Technology Co.LTD
72: Xin CHEN, Songjun LI, Yaolin ZHU, Lei ZHU

54: A REMOTE CENTRALIZED MONITORING SYSTEM AND METHOD FOR INTELLIGENT HOSIERY MACHINE BASED ON INTERNET OF THINGS TECHNOLOGY

00: -

The present invention discloses an intelligent hosiery machine remote centralized monitoring system and method based on Internet of Things technology, including a main control circuit, sensors, RFID tags, sensor and RFID interactive circuit module, RFID detector, power module, remote alarm module, sensor and RFID interactive circuit module and GPRS communication module. The specific methods are as follows: Firstly,the operating parameters of the intelligent hosiery machine are collected, and the operating parameter data are sequentially transmitted to the RFID tag and the core processor of the main control circuit, secondly, the core processor controls whether the remote alarm module alarms, meanwhile, the incoming data is processed by the Internet of Things server, data monitoring center and client in turn, final,the staff adjusts the intelligent hosiery machine according to the processing results of the client and the work requirements to realize the control of the intelligent hosiery machine.The present invention adopts the intelligent hosiery machine remote centralized monitoring system and method based on the Internet of Things technology, enhancing the reliability and automation level of the intelligent hosiery machine equipment operation,Improved the operational control and adjustment efficiency of the intelligent hosiery machine.



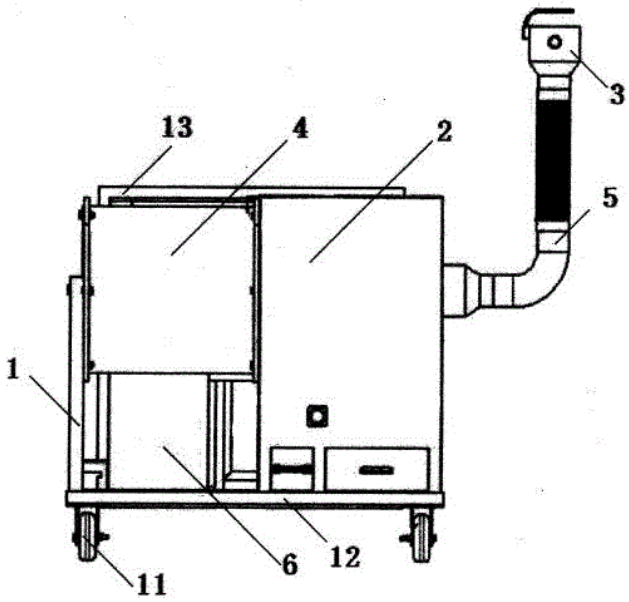
21: 2023/07664. 22: 2023/08/03. 43: 2024/02/09
51: A01D
71: Gansu Agricultural University
72: Xiaopeng HUANG, Fangxin WAN, Guojun MA, Jun PU

54: A HARVESTING DEVICE FOR ZANTHOXYLUM BUNGEANUM

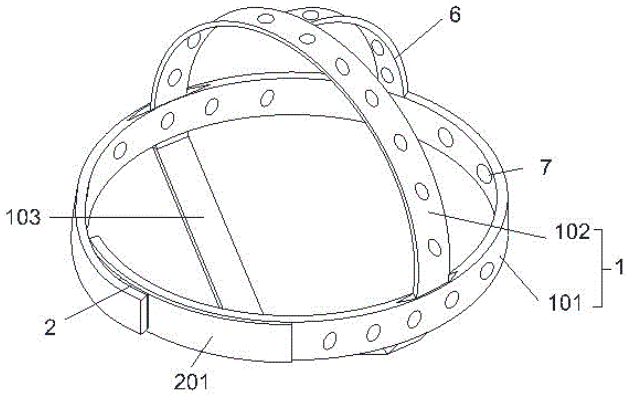
00: -

The invention discloses a harvesting device for Zanthoxylum bungeanum, which belongs to the technical field of agricultural picking equipment, including a fixed base, a cleaning and collecting device and a picking device, the picking device includes a picking box and a picking knife, the picking knife is connected with a motor 1, the bottom of the picking box is connected with a collecting

tube, and the other end of the collecting tube is connected with a cleaning and collecting device, the cleaning and collecting device includes a box and a guiding screening network, the guiding screening network divides the box into a first-level cleaning area and a second-level cleaning area, the first-level cleaning area is provided with an aggregate box1, and the second-level cleaning area is provided with an aggregate box 2 and a screening box, the rear part of the first-level cleaning area is connected with a wind turbine. The present invention adopts the above-mentioned one kind of harvesting device for Zanthoxylum bungeanum, which uses the picking device to realize the automatic picking of pepper, and uses the cleaning and collection device and fan to realize the automatic sorting and classification collection of pepper after picking, so as to reduce the damage rate of pepper in picking, improve the picking efficiency of pepper, reduce the picking strength of pepper, and reduce the picking cost of pepper.

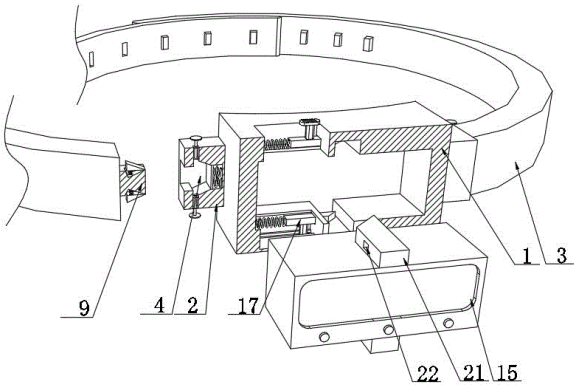


21: 2023/07665. 22: 2023/08/03. 43: 2024/02/09
51: A61B
71: Shenyang University of Technology
72: Jichi Chen, Enqiu He, Boshi Zhang
33: CN 31: 202320956898.4 32: 2023-04-25
54: AN ELECTROENCEPHALOGRAM CAP
00: -
An electroencephalogram cap comprises a cap body, which comprises a horizontal belt and a vertical belt. Both ends of the vertical belt run through the horizontal belt, and both ends of the vertical belt run through the horizontal belt and are fixedly connected with a connecting belt. One end of the two connecting belts away from the transverse belt is connected with an adjusting box. The adjusting box is provided with an adjustment device for adjusting the connecting belt. The outer wall of one end of the transverse belt is fixed with a magic veneer. This application is fixed by magic iron by adjusting the length of the horizontal, vertical and third enclosure belt respectively. This allows different sizes to be adjusted to fit the head better, and the material is soft, which makes it more comfortable to wear.



21: 2023/07666. 22: 2023/08/03. 43: 2024/02/09
51: A61B
71: Shenyang University of Technology
72: Jichi Chen, Enqiu He, Boshi Zhang
33: CN 31: 202320955699.1 32: 2023-04-25
54: AN ELECTROENCEPHALOGRAM SIGNAL COLLECTING HEADBAND
00: -
The invention relates to the technical field of electroencephalogram acquisition technology and discloses an electroencephalogram acquisition headband. The storage shell comprises a storage shell, both sides of the storage shell are fixed connected with a clamping plate, the side wall of the clamping plate is glided with a head belt, and the interior of the clamping plate is provided with a clamping groove. The top and bottom of the clamping groove are provided with a removable groove, the internal sliding of the removable groove is connected with a removable column, and the inner wall of the removable groove is connected with the inner wall of the clamping groove. The outer wall of the removable column is fixedly connected with a

lower pressure plate, and the lower pressure plate is sliding connected in the removable groove. The outer wall sleeve of the removable column is provided with a first spring, and the interior of the clamping groove is provided with an insert block. In the invention, convenient and rapid disassembly can be carried out between an effective headband and a collection device. This facilitates the headband cleaning and keeps the headband clean. This prevents the headband from being contaminated with the driver's sweat stains, breeding bacteria and affecting people's health.

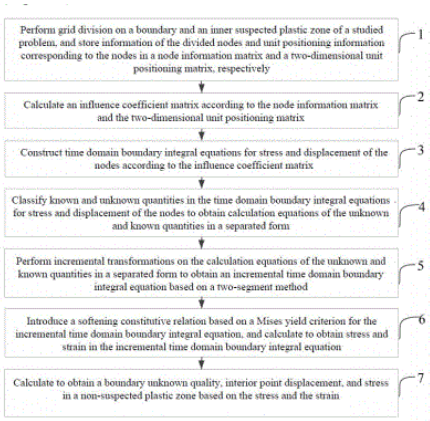


21: 2023/07667. 22: 2023/08/03. 43: 2024/02/09
51: G06F
71: Harbin Institute of Technology, Shenzhen (Shenzhen Institute of Science and Technology Innovation, Harbin Institute of Technology)
72: LEI, Weidong, WU, Bingzhen, QIN, Xiaofei, ZHU, Guopeng, CHEN, Rui

54: TIME DOMAIN BOUNDARY ELEMENT PROCESSING METHOD FOR ELASTOPLASTIC DYNAMIC PLANE PROBLEMS

00: -

Disclosed is a time domain boundary element processing method for elastoplastic dynamic plane problems, which relates to the field of engineering numerical calculation. In the present invention, when the time domain boundary element method is adopted to deal with an elastoplastic dynamic problem, only grid division is required to be performed on a boundary and a suspected plastic zone of the problem. Due to the small number of divided grids, the time domain boundary element method has higher accuracy than any other numerical method and reduces the dimensionality of the problem by one dimension, thereby improving the solution efficiency. Further, in the present invention, a softening elastoplastic constitutive relation is introduced into a time domain boundary integral equation, thereby improving the ability of the time domain boundary element method to deal with practical engineering problems.

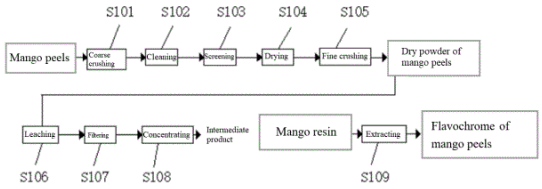


21: 2023/07668. 22: 2023/08/03. 43: 2024/02/09
51: C09B
71: AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES
72: WANG, Fei, ZHUANG, Zhikai, WANG, Hui, WU, Jia, CHEN, Yuliang, ZHENG, Chaozhong, WANG, Leiyu

54: PROCESS FOR EXTRACTING FLAVOCHROME OF MANGO PEELS BY USING SUBCRITICAL FLUID

00: -

Disclosed is a process for extracting flavochrome of mango peels by using a subcritical fluid, including the following steps: mangoes-S101: coarse crushing-S102: cleaning;-S103: screening;-S104: drying;-S105: fine crushing;-a mango powder-S106: leaching;-S107: filtering;-S108: concentrating;-an intermediate product (a mango resin);-S109: extracting;-mango flavochrome. Through double crushing, the fineness of the mango powder decreases to be less than 20 meshes, so the leaching effect can be improved, and there is no problem of blockage of filter cloth during preparation. According to the process, the integral utilization ratio of mangoes can be improved by using the mango peels, and a large amount of waste of mangoes is avoided. Moreover, the process is used more widely by way of centralized control of a plurality of systems and is more convenient to operate in a production process.

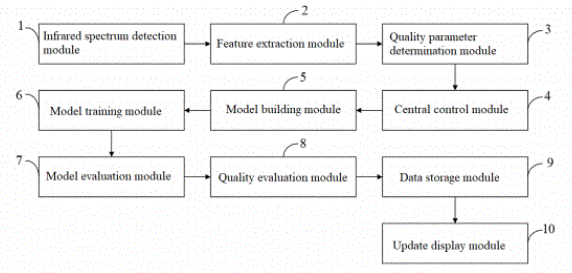


21: 2023/07669. 22: 2023/08/03. 43: 2024/02/09
51: G01N
71: AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES
72: ZHUANG, Zhikai, WANG, Fei, WANG, Hui, WU, Jia, CHEN, Yuliang, ZHENG, Chaozhong, WANG, Leiyu

54: SYSTEM FOR QUALITY EVALUATION OF FRUIT POWDERS BASED ON INFRARED SPECTRUM DETECTION

00: -

The present invention belongs to the technical field of quality evaluation of fruit powders and discloses a system for quality evaluation of fruit powders (mangoes, pineapples and bananas) based on infrared spectrum detection. The system for quality evaluation of fruit powders based on infrared spectrum detection includes: an infrared spectrum detection module, a feature extraction module, a quality parameter determination module, a central control module, a model building module, a model training module, a model evaluation module, a quality evaluation module, a data storage module and an update display module. The system disclosed by the present invention determines the content of various preset quality parameters through the quality parameter determination module and evaluates a fruit powder comprehensively based on the content of various preset quality parameters, so that the accuracy of a fruit powder evaluation result is improved.



21: 2023/07670. 22: 2023/08/03. 43: 2024/02/09
51: D21C
71: AGRICULTURAL PRODUCTS PROCESSING RESEARCH INSTITUTE, CHINESE ACADEMY OF TROPICAL AGRICULTURAL SCIENCES
72: WANG, Fei, ZHUANG, Zhikai, WU, Jia, WANG, Hui, CHEN, Yuliang, ZHENG, Chaozhong, WANG, Leiyu

54: METHOD FOR TREATING WASTEWATER AFTER DEGUMMING AND COOKING OF BANANA FIBER

00: -

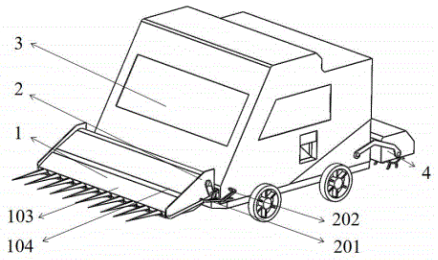
The present invention relates to the technical field of treatment of degumming wastewater of banana fiber and discloses a method for treating wastewater after degumming and cooking of banana fiber. The method includes the following steps: S1, filtration of cooking wastewater: importing wastewater after degumming and cooking of banana fiber into a wastewater filter basin, and arranging a plurality of interception grids and a filter screen plate at a water outlet of the wastewater filter basin. The method for treating wastewater after degumming and cooking of banana c can preliminarily filter the wastewater by arranging the wastewater filter basin. A plenty of sundries and fiber in the wastewater are removed, so that subsequent wastewater treatment is facilitated. A condition that the wastewater treatment effect is affected because there are many impurities in the wastewater is avoided.

21: 2023/07671. 22: 2023/08/03. 43: 2024/02/09
51: B26D; B65G
71: Jinhua Polytechnic
72: DING, Zhao, SU, Zhan, WANG, Zhiming, TIAN, Liquan, XIONG, Yongsen

54: FULL-AUTOMATIC AND INTELLIGENT PRESERVED VEGETABLE HARVESTER

00: -

Provided is a full-automatic and intelligent preserved vegetable harvester, including a cutting table, a lifting device, a transportation and storage platform, a rotary tillage device and a sensing control device. The cutting table includes a front probe plate, a cutting device and a conveying device; the transportation and storage platform includes the conveying device, a storage device and a control drive device; the rotary tillage device is used for land leveling; and the sensing control device includes a plurality of sensors and a control terminal.

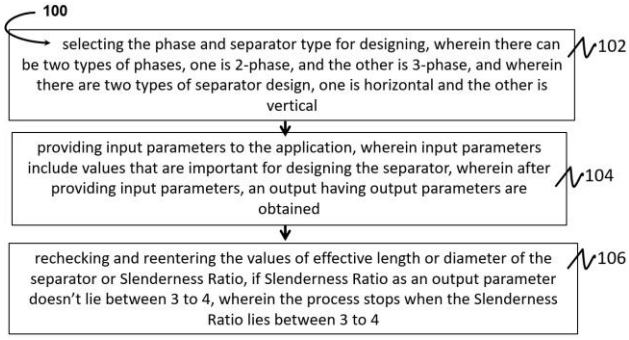


21: 2023/07675. 22: 2023/08/03. 43: 2024/02/13
51: F02M
71: Manna Mukherjee, Dr. Nayan Medhi, Sanjeev Thakur
72: Manna Mukherjee, Dr. Nayan Medhi, Sanjeev Thakur

54: A METHOD AND SYSTEM FOR DESIGNING OIL AND GAS SEPARATORS BY USING AN APPLICATION

00: -

The present disclosure relates to a method and system for designing Oil and Gas Separators by using an application. More particularly, the present disclosure relates to developing a computer and mobile version of an application to remove the tedious task of manual calculation for designing separator in the field of hydrocarbon production and separative refining, wherein the application performs all the calculation and provide output including parameter such as length and diameter of separator on the basis of provided input parameters to the application. The developed application is provided with the input parameters, and then on the basis of the input parameter, it provides output parameters that are used for designing the separator.

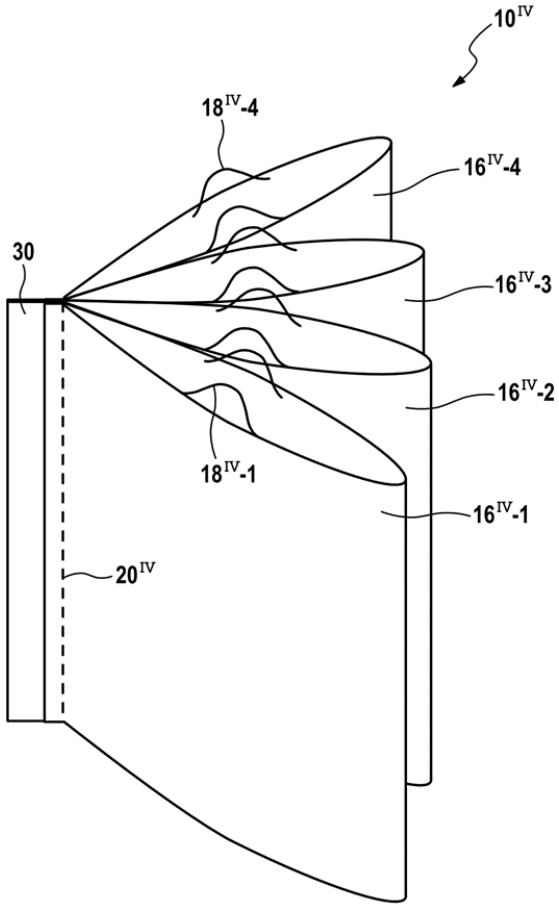


21: 2023/07676. 22: 2023/08/03. 43: 2024/02/05
51: B65D
71: MARCUS TROJAN GMBH
72: TROJAN, Marcus
33: EP 31: EP23184832.6 32: 2023-07-11

54: REFUSE BAG ROLL, METHOD FOR DISPOSING OF REFUSE, AND METHOD FOR PROVIDING A REFUSE BAG ROLL

00: -

A refuse bag roll comprises multiple refuse bags (10IV) which have at least two refuse bag regions (16IV-1, 16IV-2, 16IV-3 and 16IV-4) which can be filled from a common side ("filling opening") and which are each non-destructively separable from the refuse bag such that the refuse bag regions (16IV-1, 16IV-2, 16IV-3 and 16IV-4), after being separated off from the refuse bag, each form separate refuse bags.



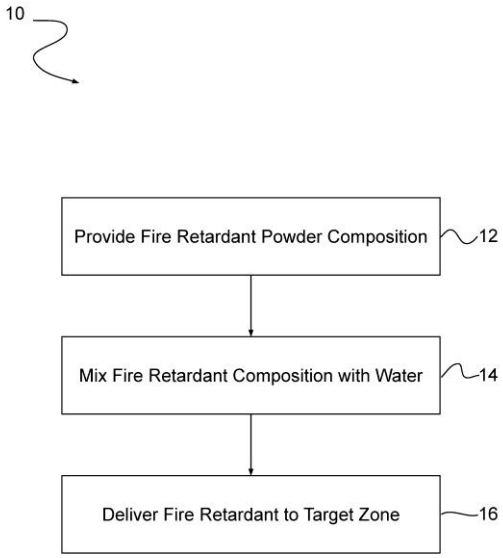
21: 2023/07678. 22: 2023/08/03. 43: 2024/02/09
51: A62D; C01B; C08L
71: KOEKEMOER, Louis Christiaan
72: KOEKEMOER, Louis Christiaan
33: ZA 31: 2021/06820 32: 2021-09-17

54: FIRE RETARDANT

00: -

A fire retardant composition, gel, and a method of delivering a fire retardant, the fire retardant composition including: a polyacrylate polymer; a

mixture of minerals of montmorillonite, quartz, and mica; and sodium oxide, and the method of delivering the fire retardant including providing the fire retardant powder composition; mixing water with the fire retardant powder composition in specific ratios; and delivering the fire retardant to a target zone.

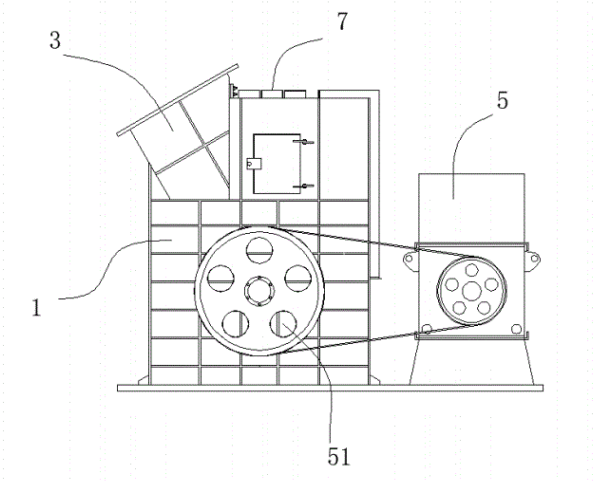


21: 2023/07697. 22: 2023/08/04. 43: 2024/02/09
51: B02C
71: Shandong Shankuang Machinery Co., Ltd
72: SUN, Shanjin, JIANG, Guoqiang, SU, Jiqiang, SUN, Jizheng, ZHENG, Zhaozong, ZHANG, Ying

54: ELECTRICAL HEATING HEAVY-DUTY CRUSHER

00: -

Disclosed is an electrical heating heavy-duty crusher, including a body part. A J-shaped impacting sieve plate part is arranged inside the body part. A feeding port is obliquely arranged on the top of the body part and corresponds to the impacting sieve plate part. A rotor part is arranged inside the impacting sieve plate part. Incoming materials from the feeding port are impacted and crushed by the rotor part. A driving part is installed on the outer side of the body part, and a driving unit fits between the driving part and the rotor part. According to the device, under the circumstance of increasing little cost, an impacting lining plate part is heated to prevent adhesion of the materials, so that the impacting lining plate part can be kept working effectively all the time, and thus, the crushing efficiency is improved greatly.

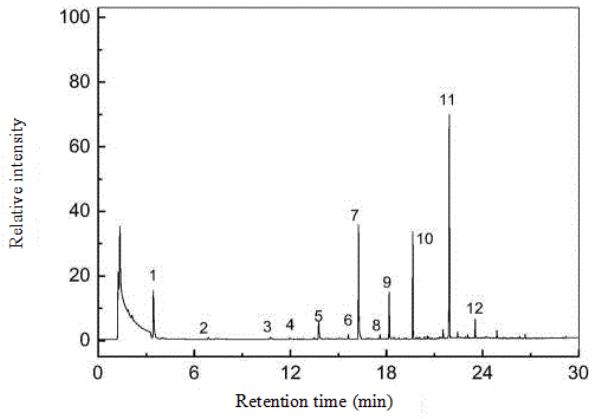


21: 2023/07698. 22: 2023/08/04. 43: 2024/02/09
51: G01N
71: Zhejiang HUAGUANG AUTOMOTIVE Interior Decoration Co., Ltd, Anhui Polytechnic University
72: ZHOU Hongbing, XIAO Dongmin, CHEN Zibin, WANG Peng, LI Fulong, ZHANG Jiange, XU Zhenzhen, LIN Liang, CHEN Lihua

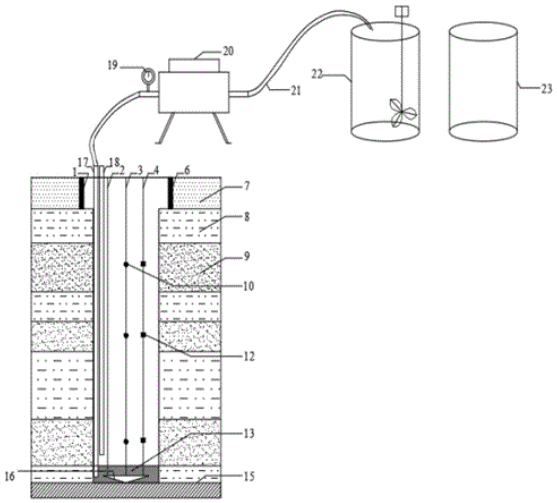
54: METHOD FOR DETECTING TRACE ODOR GAS COMPONENTS IN AUTOMOBILES

00: -

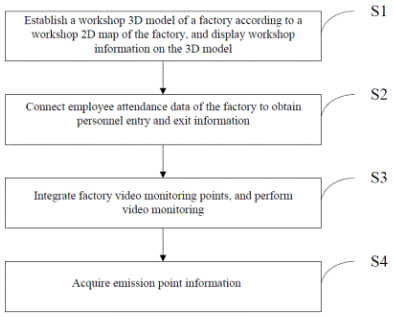
The invention discloses a method for detecting trace odor gas components in automobiles, which relates to the technical field of trace odor gas component detection, and comprises the following steps: placing textile fabric for automobile interior decoration in a reactor, vacuumizing, constructing a polar extraction environment by using CO2, increasing the pressure of the extraction environment to 1 MPa-1.6 MPa, applying temperature, enriching trace gases by using an extraction head, detecting and analyzing by using a gas chromatography-mass spectrometry method, detecting at least three times by using the gas chromatography-mass spectrometry method, and accumulating detection signals; a gas stirrer is arranged in the reactor. By effectively adsorbing trace organic matter, desorption and accumulation of peak intensity of test signal can measure trace odor organic matter in textile fabrics more accurately.



21: 2023/07700. 22: 2023/08/04. 43: 2024/02/09
51: E21F
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: LI Wenping, ZHU Jingzhong, TENG Bo, LU Qinggang, WANG Qiqing, LI Xiaoqin
33: CN 31: 202310794101X 32: 2023-06-29
54: METHOD OF THE LAYERED MONITORING MULTI-PHYSICS FIELD INFORMATION OF STRATA IN THE BOREHOLE
00: -
The invention belongs to the technical field of mine geological monitoring, in particular to a method of the layered monitoring multi-physics field information of strata in the borehole, which comprises the following steps: S1. a drilling monitoring hole, which successively passes through loose sandy soil layers and multiple water-resisting layers and aquifers interbedded; S2. threading several data acquisition optical fibers into the bottom of the monitoring hole, and several flexible water blocking plugs are sleeved on the data acquisition optical fibers; S3. grouting, setting a sealing layer in the loose sandy soil layer, setting a second slurry layer in the water-resisting layer, and setting a third slurry layer in the aquifer, and the flexible water blocking plug is located between the adjacent second slurry layer and the third slurry layer; S4. connecting one end of several data acquisition optical fibers through the sealing layer to the ground monitoring system. On the basis of rock stress and strain monitoring, the present invention realizes the monitoring of seepage water pressure and water temperature in the single hole, reduces the negative effects of time and economic costs, and achieves comprehensive monitoring of various rock and soil layer physical parameters through drilling.



21: 2023/07701. 22: 2023/08/04. 43: 2024/02/09
51: G06Q
71: NINGBO JINYU TECHNOLOGY INDUSTRY CO., LTD.
72: HUANG, Guojun, LIN, Wanglei, HUANG, Qiwen, ZHOU, Dongmei, HAN, Chongya, FAN, Bin, CHENG, Zhixiang, YU, Jianfeng, ZHOU, Jie, LIU, Shasha
54: DIGITAL TWIN SMART FACTORY SIMULATION SYSTEM AND METHOD THEREOF
00: -
The present invention provides a digital twin smart factory simulation system in the technical field of factory three dimensional (3D) management, including: establishing a workshop 3D model of a factory according to a workshop two-dimensional (2D) map of the factory and displaying factory information on the 3D model; connecting employee attendance data of the factory to obtain personnel entry and exit information; integrating factory video monitoring points and performing video monitoring; and obtaining emission point information. The present invention monitors the conditions of the workshops, personnel, and environmental protection emission points in real-time, and performs video monitoring, to better monitor the workshops, facilitate the regulation and control of the device, and find the operating state of the device in time, improving the factory management efficiency.



21: 2023/07704. 22: 2023/08/04. 43: 2024/02/19
51: B01J; C02F
71: QINGHAI NORMAL UNIVERSITY
72: CHEN, Wei, ZHANG, Mingjin, SUN, Zhe, CUI, Xiang, WANG, Weien
33: CN 31: 2022109826276 32: 2022-08-16

54: MEGLUMINE MODIFIED ATTAPULGITE, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

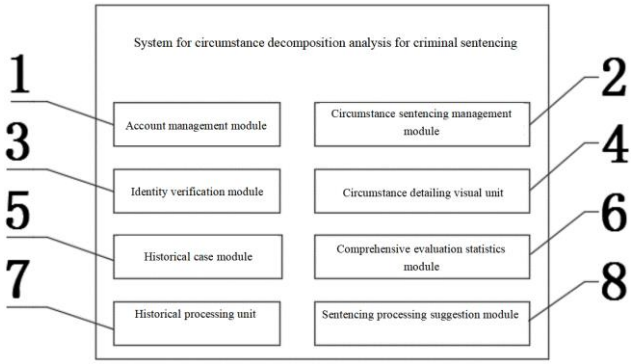
Disclosed is a preparation method of a meglumine modified attapulgite, comprising: preparing acidified attapulgite; dispersing the attapulgite or acidified attapulgite in a solvent, adding epoxy silane, heating for a reflux reaction, centrifuging after cooling to obtain precipitate, dispersing the precipitate in a solvent, centrifuging to obtain the precipitate, and drying to obtain epoxy silanized attapulgite; dispersing the epoxy silanized attapulgite in water, introducing nitrogen, adding meglumine, heating to react, continuing heating to react, dispersing the reaction product in deionized water, centrifuging to obtain the precipitate, and drying to obtain the meglumine modified attapulgite. The prepared attapulgite composite is used as a boron adsorbent for removing or extracting boron from drinking water, irrigation water, geothermal water, salt lake brine and industrial wastewater, and has excellent adsorption effect. Under the conditions of pH 1-14 and temperature 0-80℃, the adsorption capacity of HBO_2 can reach more than 120 mg/g.

21: 2023/07705. 22: 2023/08/04. 43: 2024/02/12
51: G06F
71: Huainan Normal University
72: Xiang Tingting
33: CN 31: 202310924328.1 32: 2023-07-25

54: SYSTEM FOR CIRCUMSTANCE DECOMPOSITION ANALYSIS FOR CRIMINAL SENTENCING, AND METHOD FOR THE SYSTEM THEREOF

00: -

The invention provides a system for circumstance decomposition analysis for criminal sentencing, and a method for the system thereof, and relates to the technical field of criminal cases. The system for circumstance decomposition analysis for criminal sentencing includes an account management module, a circumstance sentencing management module, an identity verification module, a circumstance detailing visual unit, a historical case module, a comprehensive evaluation statistics module, a historical processing unit and a sentencing processing suggestion module. Cases and circumstances in the cases are classified to retrieve the cases with similar sentencing, and the sentencing results of these cases are fed back to users to refer to and then determine sentencing.



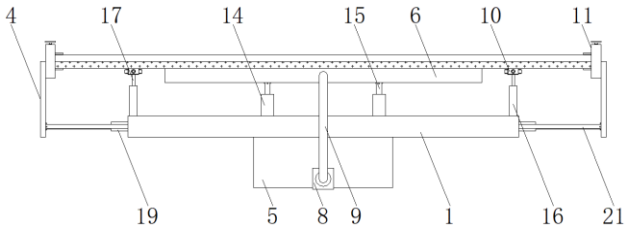
21: 2023/07706. 22: 2023/08/04. 43: 2024/02/09
51: H02S
71: PINGDINGSHAN UNIVERSITY
72: ZHANG Fang

54: PHOTOVOLTAIC BACKPLANE HEAT DISSIPATION DEVICE

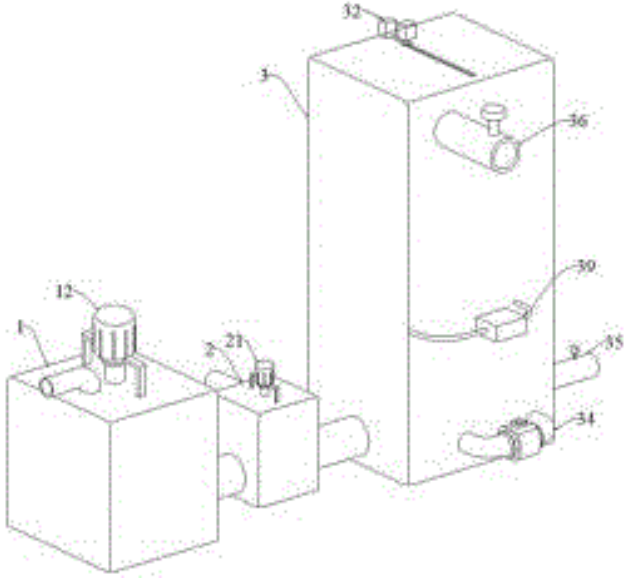
00: -

The invention provides a photovoltaic backplane heat dissipation device, comprising a mounting plate, wherein cavities are formed on both sides of the mounting plate, and heat cooling fans are symmetrically installed in the cavities; both side walls of the mounting plate are connected with clamping plates through a telescopic mechanism, clamping mechanisms are symmetrically fixed at the upper parts of two groups of opposite sides of the clamping plates. According to the invention, the distance between the two groups of clamping plates can be conveniently adjusted according to the size of the

photovoltaic backboard through the arrangement of the telescopic mechanisms on the two sides of the mounting plate, and the clamping mechanisms on the clamping plates are used for clamping and fixing the two sides of the photovoltaic backboard, so that the heat dissipation equipment is convenient to assemble and disassemble, and can be installed on photovoltaic backboards with different specifications in a certain range, thereby being suitable for heat dissipation of photovoltaic backboards with different specifications. In addition, the temperature of the photovoltaic backplane is monitored in real time by the temperature sensor, and when the temperature of the photovoltaic backplane is higher than the preset value, the cooling fan and the water pump are started at the same time, and the photovoltaic backplane is cooled by combining air cooling and water cooling, so as to realize rapid and effective cooling.

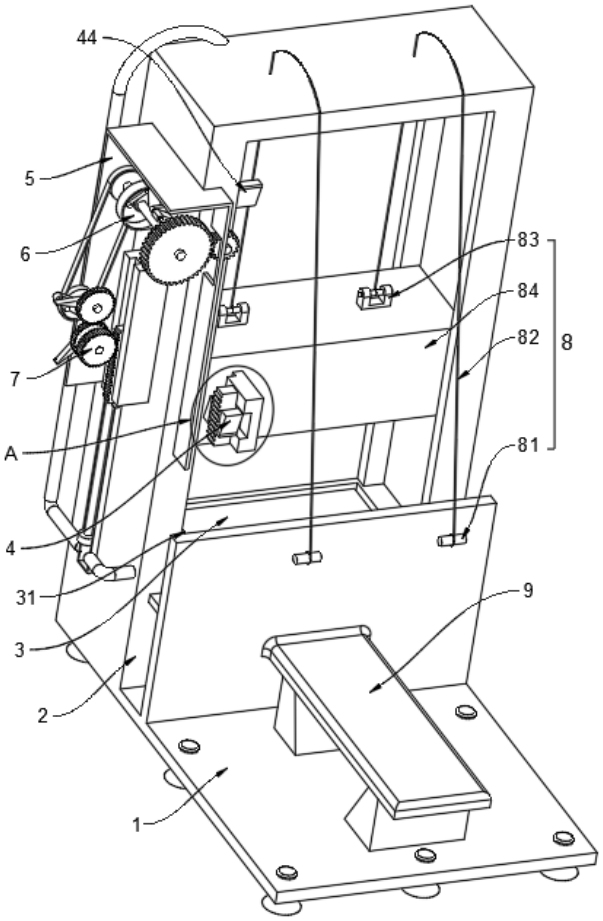


21: 2023/07707. 22: 2023/08/04. 43: 2024/02/09
51: C02F
71: Anhui Science and Technology University
72: ZOU Haiming, SONG Xiaoyu, LI Hongying
33: CN 31: 2022116043514 32: 2022-12-13
54: MICROBIAL COUPLING DYE WASTEWATER TREATMENT DEVICE
00: -
The invention relates to the technical field of dye wastewater treatment, in particular to a microbial coupling dye wastewater treatment device, which comprises a filtering unit, an adjusting unit and a purifying unit. In the invention, the wastewater is filtered by the filtering unit; adjustment of PH value of wastewater by adjusting unit; and in the purifying unit, microorganisms on the surfaces of the cathode and the anode are accurately cleaned by using the auxiliary cleaning structure of the image acquisition device, so as to ensure the cleanliness of the electrode surfaces, ensure the environment in which microorganisms fully contact with the motor to react, and improve the treatment effect of microbial dye wastewater; the quality of wastewater is detected by wastewater detector and the unqualified wastewater is sent back by reflux device to improve the quality and efficiency of wastewater treatment.



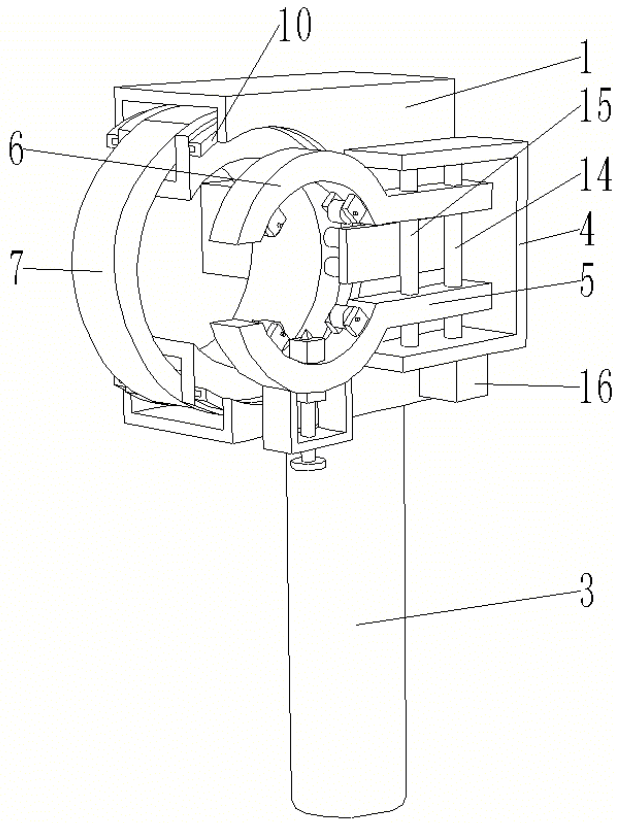
21: 2023/07708. 22: 2023/08/04. 43: 2024/02/09
51: A01G
71: Shandong Agriculture And Engineering University
72: LIU Jin, YANG Xiangli, WANG Gongshuai, ZHAO Jin, WANG Peng, SHU Jing, ZHANG Kun, ZHANG Yanling, DING Jie
54: METHOD FOR CONSTRUCTING STABLE TREE STRUCTURE OF MOUNTAIN PEACH ORCHARD
00: -
The invention relates to the technical field of fruit tree cultivation, in particular to a method for constructing stable tree structure of mountain peach orchard, which comprises the following steps: orchard construction, headed truck, cultivating main branches, cultivating lateral branches, etc., and specifically adopts a five-main-branch method to obtain better light receiving efficiency. The method has the beneficial effects that by using the five-main-branches, the light receiving area can be reasonably increased, the light utilization rate is increased, and the lower part of the tree body has good air permeability and light transmittance, and the tree shape is easy to control, and the fruiting branches are not outside. In addition, this method is suitable for planting peach trees in mountain environment and for production and use in cooperatives.

21: 2023/07716. 22: 2023/08/04. 43: 2024/02/12
51: A63B
71: North China University of Science and Technology
72: Zhao Jianhui
33: CN 31: 202310257190.4 32: 2023-03-17
54: STRETCHING EQUIPMENT FOR PHYSICAL EXERCISE
00: -
The present invention is suitable for the technical field of physical exercise equipment and provides a stretching equipment for physical exercise. The equipment includes a mounting seat, the mounting seat is mounted with a fixing seat; a bottom of the fixing seat is mounted with a water storage tank, and the fixing seat is movably mounted with a stretching mechanism. The equipment further includes: a driving mechanism, the driving mechanism is mounted with a rotating shaft, the rotating shaft is connected to a control mechanism and a conveying mechanism respectively; and the control mechanism includes a rotary seat, a clamping piece, a toggle piece, a rotary piece, an elastic piece and a connecting seat. According to the stretching equipment for physical exercise of the present invention, by arranging the stretching mechanism, the driving mechanism, the control mechanism and the conveying mechanism, the automatic addition of the stretching counterweight of the stretching mechanism can be realized, so as to avoid the situation that users need to stop the exercise before adding the counterweight to the stretching equipment, improve the users' experience and interest in the use of the stretching equipment, and improve the efficiency and quality of the users' physical exercise.



21: 2023/07735. 22: 2023/08/07. 43: 2024/02/12
51: H01R
71: BaiCheng Normal University
72: CUI Changqing, YANG Chunyan
54: AUTOMATIC WIRE STRIPPING DEVICE FOR POWER INSULATED WIRES
00: -
The invention relates to the technical field of live working in power industry, and discloses an automatic wire stripping device for power insulated wires, which comprises a shell, wherein a toothed ring is arranged in the shell, and a notch is formed on the outer wall of the toothed ring; both sides of the toothed ring are in sliding contact with the inner wall of the shell through limiting pieces; a limiting groove is formed on the outer peripheral surface of the toothed ring, and a connecting piece is arranged in the notch, and the toothed ring and the connecting piece form a complete annular structure; a driving piece is arranged in the shell, and an insulating rod is fixedly connected to the bottom surface of the shell; a guide piece is arranged in the connecting frame, two ends of the guide piece are respectively

connected with one end of the connecting plate in a transmission way, the other end of the connecting plate is fixedly connected with half rings, the two half rings form a whole circle, and the whole circle and the teeth rotate around the same axis, the connecting frame is fixedly connected with the toothed ring through a fixing piece, and the inner wall of the half ring is fixedly connected with a plurality of rolling pieces at equal intervals, wherein the half ring is provided with cutting pieces. The invention can be adjusted according to the outer diameter of different wires and the thickness of the insulating layer.

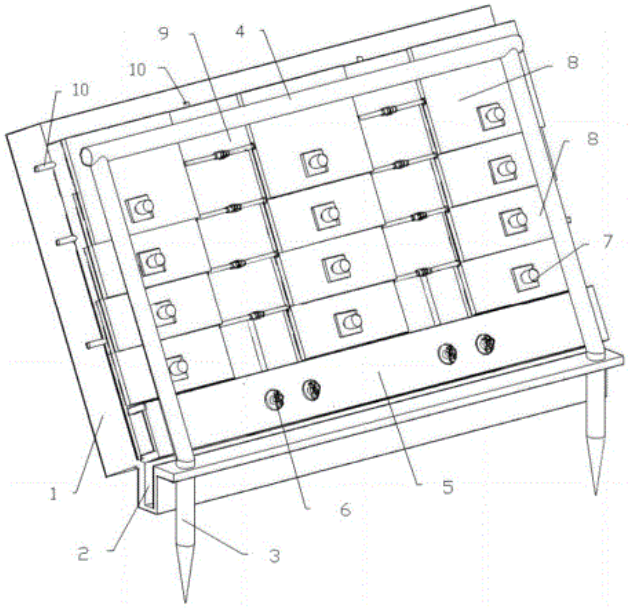


21: 2023/07738. 22: 2023/08/07. 43: 2024/02/12
51: E02D
71: Guizhou University of Engineering Science
72: Aizhong LUO, Hong WANG, Juan FANG, Liuping HAN

54: A RETAINING WALL STRUCTURE TO IMPROVE THE STABILITY AND SAFETY OF SLOPE PROTECTION

00: -

The present invention discloses a retaining wall structure for improving the stability and safety of slope protection, which belongs to the technical field of slope support equipment, including a slope, digging a drainage ditch at the bottom of the slope, installing a supporting floor at the bottom of the slope, and arranging several laminated plates on the surface of the supporting floor, several laminated areas of the upper and lower plates are installed with bolts through the drilling machine, installing anchor rods in the upper and lower mutual stacking areas of several pressure plates, the anchor rods are anchored into the soil layer of the slope through the pressure plates and the supporting floor in turn, the interior of the supporting floor passes through several drainage pipes, inserting several supporting columns at equal intervals in the soil layer outside the drainage ditch, and arranging a horizontal transverse positioning frame between the column body of the supporting column and the surface of the pressure plate below. The present invention adopts a retaining wall structure of the above structure to improve the stability and safety of slope protection. The present invention adopts a retaining wall structure of the above structure to improve the stability and safety of slope protection, the structure is mainly used for rock slope protection in cold zone, It is set below the slope, which can improve the stability and safety of slope protection. It is not easy to fail and the construction takes up less space, and the construction stage does not affect the normal operation of the highway.



21: 2023/07761. 22: 2023/08/07. 43: 2024/02/12
51: B29C
71: MOLMASA APLICACIONES TÉCNICAS, SL
72: ATANCE ORDEN, Angel, CARRILLO GUERRERO, David
33: EP 31: 21382013.7 32: 2021-01-13

54: INJECTION-BLOW-MOULDING MOULD AND METHOD

00: -

The injection-blow-moulding mould comprises: a punch (1) having a blow opening (3) connected to a first conduit (5) which is in communication with a first source of pressurised gas supply (6) configured to supply pressurised gas through the blow opening (3) at an overpressure (OP) above a blowing pressure (BP) suitable to blow a preform (30a) into a container (30b) and an exhaust opening (4) connected to a second conduit (7) which is in communication with a pressure-limiting device set at the blowing pressure (BP); a blow-moulding cavity (2) configured to receive therein the punch (1) with a hot and soft preform (30a) arranged thereon; and a cooling device associated to the blow-moulding cavity (2). Gas inside the container (30b) exceeding the blowing pressure (BP) is allowed to escape through the exhaust opening (4) thereby a cooling gas stream is created from the blow opening (3) to the exhaust opening.

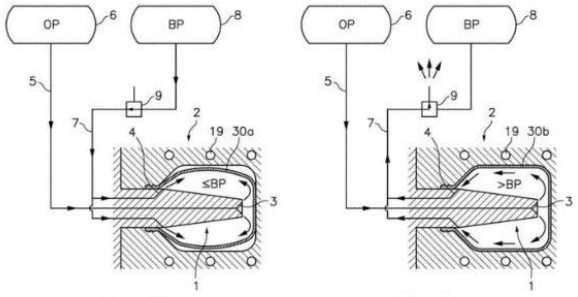


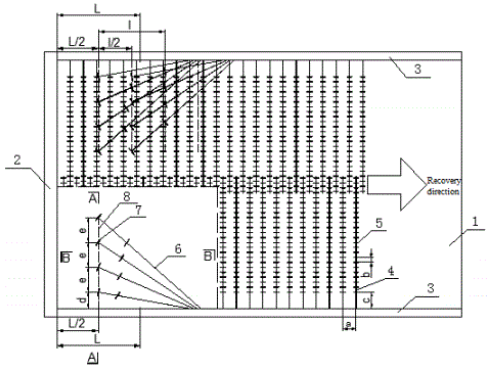
Fig.4A Fig.4B

21: 2023/07768. 22: 2023/08/08. 43: 2024/02/09
51: E21B; E21F
71: Henan Polytechnic University, CCTEG CHONGQING RESEARCH INSTITUTE CO., LTD
72: YI, Enbing, LI, Zhenhua, WANG, Wenqiang, ZHANG, Dazhong, MU, Qian, WANG, Shiwei, WANG, Yifan, QIAO,Wei, WANG, Longjing, NIU, Shuanghui

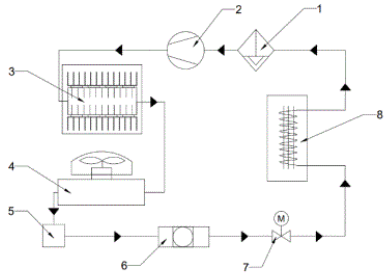
54: TRANSVERSE-CUTTING AND LONGITUDINAL-BREAKING PREVENTION AND CONTROL METHOD FOR OUTBURST-ROCKBURST COMPOUND COAL ROCK DYNAMIC DISASTERS

00: -

The present invention discloses a transverse-cutting and longitudinal-breaking prevention and control method for outburst-rockburst compound coal rock dynamic disasters. By transversely cutting the coal seam and longitudinally cutting and pre-cracking the roof through ultrahigh-pressure water jet, the gas flow state in the coal seam and the crack distribution state in the rock mass are changed, the stress and the gas pressure in the coal rock mass are reduced, the gas extraction rate is improved, and favorable conditions are created for gas discharge and pre-cracking of the hard roof. The method can effectively reduce the occurrence of coal and gas outburst and rockburst compound dynamic disasters, and is of great significance to the prevention and control of compound coal rock dynamic disasters in a deep-mined working face



21: 2023/07769. 22: 2023/08/08. 43: 2024/02/09
51: F25B
71: NANTONG UNIVERSITY
72: NI, Peiyong, HUA, Ruidong, WANG, Xiangli, LI, Xiang, ZHANG, Xuewen
54: HEAT RECOVERY SYSTEM BETWEEN COMPRESSOR AND CONDENSER
00: -
Provided is a heat recovery system between a compressor and a condenser, including a compressor, a thermoelectric generator, a condenser, a reservoir, a dry filter, an expansion valve, an evaporator, and a gas-liquid separator, wherein the thermoelectric generator includes a heat collector, thermoelectric generation sheets, a radiator, studs, nuts, a pressure stabilizing control device, and a storage battery. The thermoelectric generator is mounted between the compressor and the condenser, and is configured to recover heat of a high-temperature high-pressure gas flowing out from the compressor and to play a radiating role. When a system works, the heat collector of the thermoelectric generator transfers heat of the high-temperature high-pressure gas to hot sides of the thermoelectric generation sheets, a fan of the condenser blows to the radiator of the thermoelectric generator, and heat of the thermoelectric generation sheets is taken away by the radiator.



21: 2023/07772. 22: 2023/08/08. 43: 2024/02/09
51: A61G; B60P
71: ILIFA FREIGHT SERVICES CC
72: FILANI, Daniel
54: TAXI HEARSE
00: -
This invention relates to a passenger vehicle comprising a seating means for carrying a plurality of passengers and a refrigerated compartment adapted to receive and secure up to four coffins. The invention further relates to a method of transporting a plurality of passengers and a deceased in a coffin by means of a passenger vehicle comprising a seating means for carrying a plurality of passengers and a refrigerated compartment adapted to receive and secure up to four coffins.

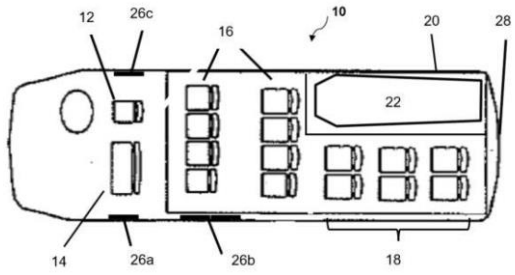
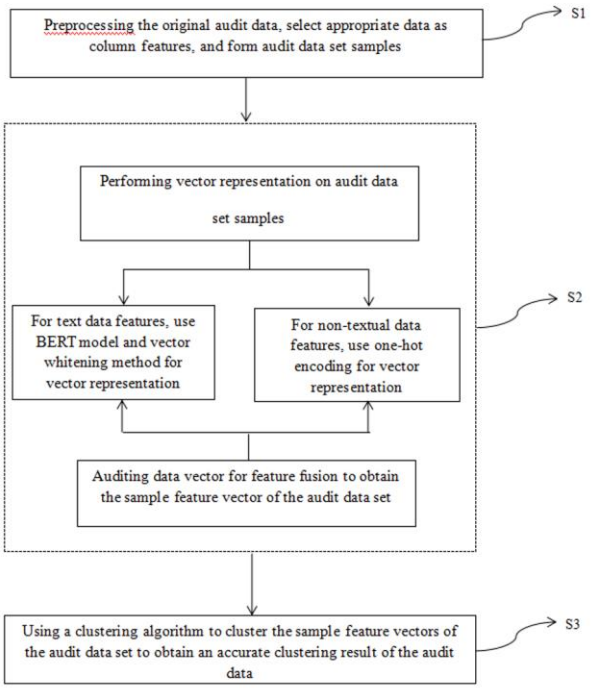


FIG. 1

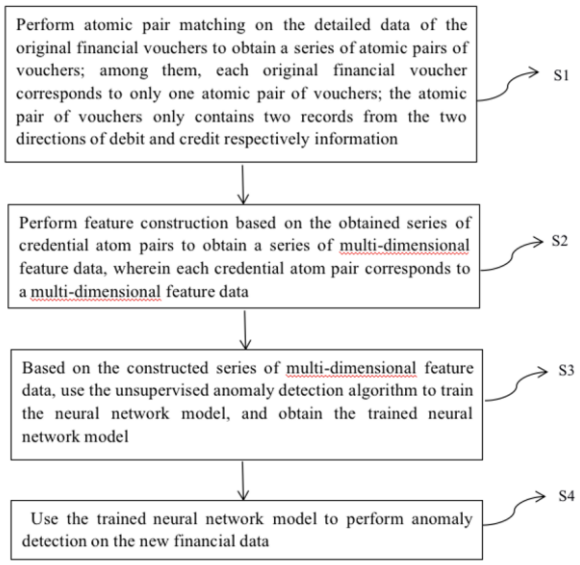
21: 2023/07773. 22: 2023/08/08. 43: 2024/02/09
51: G06F
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.
72: ZHANG, Kai, LI, Chunguang, DAI, Yue
33: CN 31: 202310786680.3 32: 2023-06-29
54: METHOD FOR AUDIT DATA CLUSTERING BASED ON BERT MODEL
00: -
The present invention of the method for audit data clustering based on BERT model disclosed in some embodiments, includes S1, preprocessing the original audit data, select appropriate data as column features, and form audit data set samples;

S2, performing vector representation on audit data set samples; wherein, the text data feature and the non-text data feature are respectively represented by vector; audit data vector for feature fusion to obtain the sample feature vector of the audit data set; S3, using a clustering algorithm to cluster the sample feature vectors of the audit data set to obtain an accurate clustering result of the audit data. The clustering method combines the text features and non-text features of the audit data, and vectorizes the text features and non-text features. On the basis of the BERT model, the CLS vector of each encoder layer is processed by the mean value, and the Whitening operation is performed on the vector to determine that the cosine similarity between the data vectors in the audit data feature vector is between -0.4 to 0.4, which solves the collapse phenomenon of the BERT model and can realize the reasonable clustering of audit data.



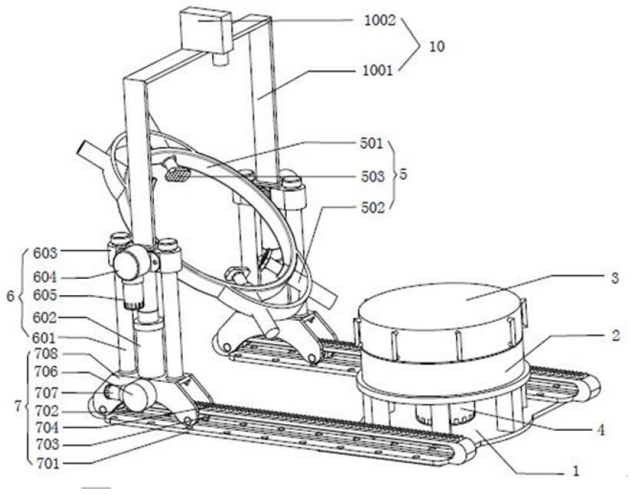
21: 2023/07774. 22: 2023/08/08. 43: 2024/02/09
51: G06Q
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.
72: ZHANG, Kai, WANG, Yajie, DAI, Yue
33: CN 31: 202310841603.3 32: 2023-07-10
54: METHOD FOR FINANCIAL DATA ANOMALY DETECTION, COMPUTER-READABLE MEDIUM AND ELECTRONIC DEVICE

00: -
The embodiment of the invention discloses the method for financial data anomaly detection, computer-readable medium and electronic device; the methods comprise the steps of S1, Perform atomic pair matching on the detailed data of the original financial vouchers to obtain a series of atomic pairs of vouchers; among them, each original financial voucher corresponds to only one atomic pair of vouchers; the atomic pair of vouchers only contains two records from the two directions of debit and credit respectively information; S2, Perform feature construction based on the obtained series of credential atom pairs to obtain a series of multi-dimensional feature data, wherein each credential atom pair corresponds to a multi-dimensional feature data; S3, Based on the constructed series of multi-dimensional feature data, use the unsupervised anomaly detection algorithm to train the neural network model, and obtain the trained neural network model; S4, Use the trained neural network model to perform anomaly detection on the new financial data. Based on the anomaly detection results, and then further screening by professional auditors, it can greatly reduce the workload and improve the audit efficiency.

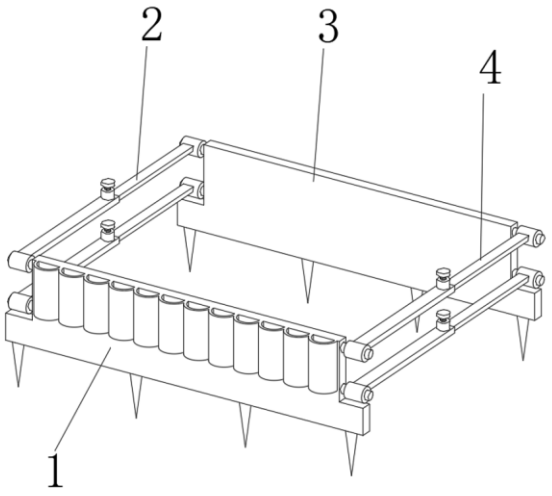


21: 2023/07775. 22: 2023/08/08. 43: 2024/02/12
51: B21J
71: SHANXI TIANBAO GROUP CO., LTD
72: Dawei HU, Tinghai ZHI, Zhilong YAN, Junjie LIU, Yongqiang QIAO, Shaohua SHI, Yanling ZHANG, Xiaotao LIU

33: CN 31: 202211636673.7 32: 2022-12-20
54: AUTOMATIC CENTERING DEVICE BASED ON OIL PRESS FOR WIND POWER FLANGE FORGING, AND METHOD THEREOF
00: -
The present invention relates to the technical field of wind power flange forging, and in particular to an automatic centering device based on an oil press for wind power flange forging, and a method thereof. The automatic centering device includes a base, a blank and a punch, where the top of the base is fixedly connected to a turnplate base; a processing turnplate is arranged at the top of the turnplate base; a centering assembly for centering the blank is arranged on one side of the processing turnplate; rotary face-changing assemblies for turning over the blank are arranged on two sides of the centering assembly; and a moving assembly for moving an iron cake during face changing is arranged at the bottom of each of the rotary face-changing assemblies. According to the present invention, through the arrangement of the centering assembly and the rotary face-changing assemblies, the blank is required to be turned over when being punched. A first telescopic cylinder is controlled to clamp the blank by a chuck, a second telescopic cylinder lifts a rotating frame, the rotating frame is moved by the moving assembly, a first speed reducer is driven by a second motor to drive the rotating frame to turn over the blank, and at this time, workers can be away from the red-hot blank, thereby ensuring the safety of the workers.



21: 2023/07776. 22: 2023/08/08. 43: 2024/02/12
51: A01G; E01F; E02B; E02D
71: GANSU FORESTRY VOCATIONAL AND TECHNICAL COLLEGE, XIZANG COLLEGE OF AGRICULTURE AND ANIMAL HUSBANDRY
72: Yanjun MIAO, Chuanqi WANG, Yamei XU, Henna BAOSAI, Mingtao WANG
54: RIVERINE SAND VEGETATION RESTORATION AND PROTECTION STRUCTURE
00: -
The present disclosure relates to the technical field of vegetation restoration and protection, and in particular, to a riverine sand vegetation restoration and protection structure. The riverine sand vegetation restoration and protection structure includes a front protection plate; a left end of the front protection plate is movably connected with two first connecting devices; a right end of the front protection plate is movably connected with two second connecting devices; the two second connecting devices and the two first connecting devices have the same structures; and ends of the two first connecting devices away from the front protection plate and ends of the second connecting devices away from the front protection plate are jointly movably connected with a rear protection plate. Due to the front protection plate and the rear protection plate, the riverine sand vegetation restoration and protection structure avoids wind and water flow from causing loss of sand near vegetations.



21: 2023/07810. 22: 2023/08/10. 43: 2024/02/12
51: A23L
71: Shanxi Institute for Functional Food, Shanxi Agricultural University

72: SHI, Lei, LIU, Chao, MENG, Tingting, LIANG, Xia, LU, Xin, TIAN, Ge, LI, Min, MAO, Kai, QIN, Yifan, ZHOU, Bailing

54: LOW-PHYTIC-ACID TARTARY BUCKWHEAT NOODLES AND PREPARATION METHOD THEREOF

00: -

The present invention provides low-phytic-acid tartary buckwheat noodles and a preparation method thereof. The low-phytic-acid tartary buckwheat noodles prepared by the preparation method in the present invention are chewy in taste and have a special buckwheat aroma. Compared with ordinary coarse cereal fine dried noodles on the market, the fresh noodles prepared by the present invention have the characteristics, such as being easy to cook, good taste, and having an aroma of the fresh noodles. Besides, the noodles are suitable for old people and young people, are not limited by any environment, and are convenient to carry.

21: 2023/07812. 22: 2023/08/10. 43: 2024/02/12
51: A01G
71: Qinghai Academy of Agriculture and Forestry Sciences
72: HOU Lu, MA Lin

54: CULTIVATION METHOD FOR IMPROVING SPRING SEED YIELD OF SEMI-WINTER WHEAT

00: -

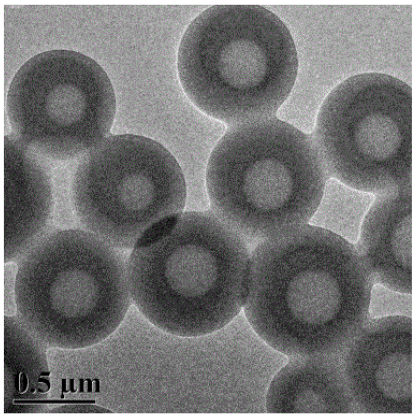
The invention discloses a cultivation method for improving the spring seed yield of semi-winter wheat, which belongs the technical field of wheat cultivation; the invention carries out screening, soil preparation, winter irrigation and seed dressing in November, timely sowing in the middle and early March, irrigation after topdressing seedling fertilizer in tillering stage, prevention and control of diseases, weeds and pests in the middle and late growth stage, and timely harvesting. By sowing winter wheat in spring, the invention solves the problem that winter wheat cannot be sown in Qinghai spring wheat area because winter wheat cannot undergo normal vernalization and heading maturity, so that wheat can be produced normally without vernalization, and finally a high-quality cultivation method with high yield and low pests is obtained.

21: 2023/07813. 22: 2023/08/10. 43: 2024/02/12
51: B82Y
71: Institute of Applied Chemistry, Jiangxi Academy of Sciences
72: XU, Jianguo

54: NITROGEN-DOPED HOLLOW CARBON NANOSPHERE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention provides a nitrogen-doped hollow carbon nanosphere and a preparation method and application thereof, which relates to the technical field of porous carbon materials. The preparation method for a nitrogen-doped hollow carbon nanosphere provided by the present invention is simple, and the nitrogen-doped hollow carbon nanosphere has an ultra-high specific surface area and exhibits excellent carbon dioxide adsorption characteristics.



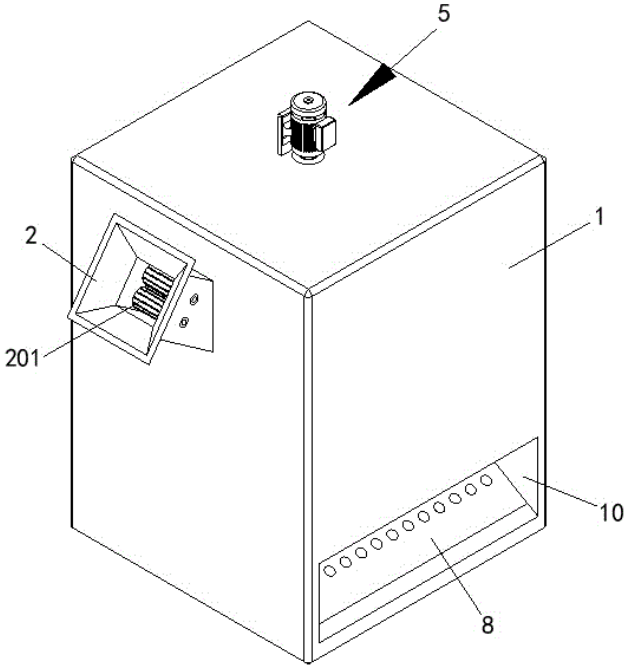
21: 2023/07815. 22: 2023/08/10. 43: 2024/02/12
51: B01D
71: Anhui Science And Technology University
72: Sun Bingqing, Liu Lei

54: RESIDUE SEPARATOR FOR SEWAGE TREATMENT

00: -

The present disclosure relates to the technical field of sewage treatment, and particularly relates to a residue separator for sewage treatment. The residue separator includes a separation box, where the separation box is provided with a throwing port allowing garbage to be thrown into; the separation box is internally provided with a supporting plate, two ends of the supporting plate are hinged to rotary filter plates, and the supporting plate and the rotary filter plates constitute a filtering structure to match an interior of the separation box; and the separation box is provided with a driving mechanism, an output end

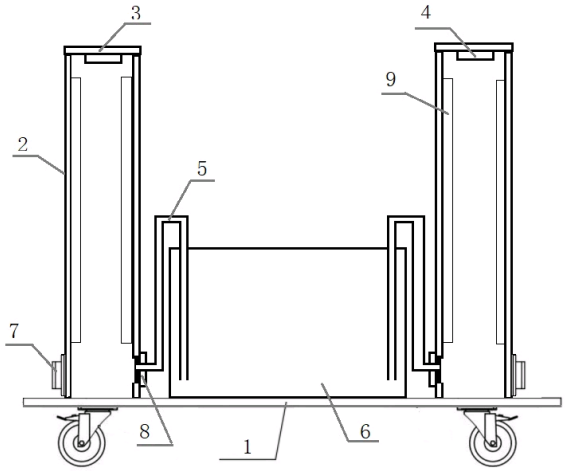
of the driving mechanism is provided with a pressing plate, and the driving mechanism drives the pressing plate to move close to the rotary filter plates, such that the pressing plate presses residues. To sum up, the residue separator for sewage treatment of the present application can release the residues on the rotary filter plates when the pressing plate retreats, and complete a pressing and releasing cycle, such that operations of pressing and releasing the residues are organically combined, further rapid residue separation is facilitated, time is saved, and efficiency of sewage treatment is improved.



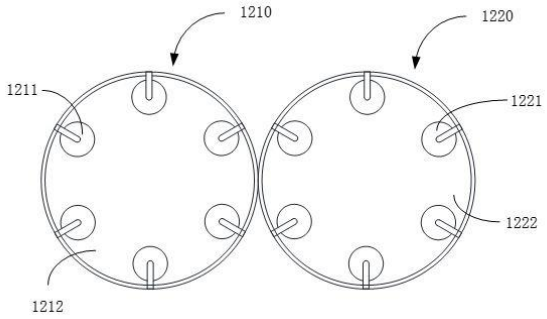
21: 2023/07818. 22: 2023/08/10. 43: 2024/02/12
51: B22C
71: HENAN KEFENG NEW MATERIAL CO., LTD.
72: ZHANG, Guoshun, DING, Yi, ZHANG, Yan
54: A METHOD FOR IMPROVING THE QUALITY OF A CHROMIUM BRONZE CASTING THROUGH INVESTMENT CASTING
00: -
The present invention discloses a method for improving the quality of a chromium bronze casting through investment casting, which includes the steps of preparing electrolytic copper and copper-chromium intermediate alloy by a certain ratio and loading them into a graphite crucible under a vacuum environment, heating the copper and chromium fully in a furnace until they melt by a graphite resistance heater, pouring the molten chromium bronze into an investment pattern through a mechanical pouring system in the furnace, and removing the mold shell after cooling and obtaining a casting. The method can greatly improve or solve the defects during chromium bronze casting in prior art, such as poor casting quality, poor mechanical performance, poor conductivity, and serious casting loss and the like; The present invention effectively solves the problems of easy oxidation of chromium in the atmosphere, poor flowability of molten chromium bronze, high viscosity, easy caking, great chromium loss, etc., and significantly improve the quality of the chromium bronze casting; The present invention effectively solves the defects of small volume and low number of contained pieces of a vacuum furnace through investment casting; it also effectively solves the problem of pouring in a closed container by using the mechanical drive mode.

21: 2023/07824. 22: 2023/08/10. 43: 2024/02/13
51: B03C
71: North China University of Science and Technology
72: Li Jia
33: CN 31: 202310785575.8 32: 2023-06-29
54: AIR FILTRATION DEVICE
00: -
The present invention discloses an air filtration device, belongs to the technical field of the air treatment equipment, including a vehicle body, a plurality of purification devices and purification boxes are fixed on the vehicle body, both sides of an inside of the purification devices are provided with electrostatic plates, a top of the purification device is provided with an air intake, a bottom of an air intake is provided with an air inlet fan, an internal side of a bottom of the purification device is provided with an exhaust fan, the outlet of the exhaust fan is connected to the outlet pipe, the outlet pipe is extended into the purification box, the purification box is filled with purification liquid. The structure of the device is simple, and the secondary filtration structure makes the filtration effect of the device better, the addition of water to the purification box can meet the routine use, and the humidification function is realized in the filtration process, the addition of NaOH solution to the purification box can remove various pollutants, it is suitable for serious indoor pollution, at the same time, the spray design

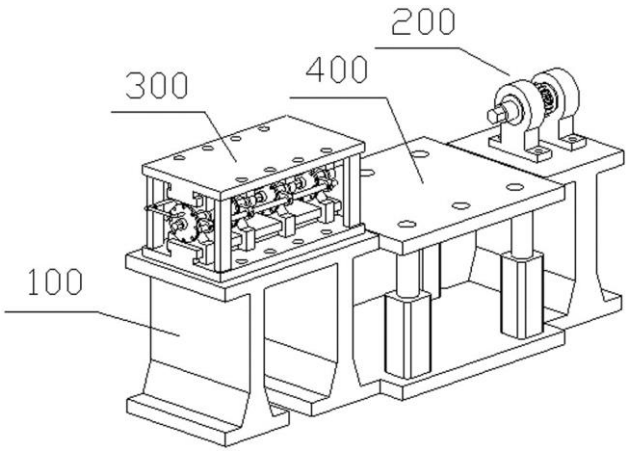
increases the contact area of air and liquid, improves the filtration effect, and the unique splash-proof design effectively prevents fog overflow.



21: 2023/07838. 22: 2023/08/10. 43: 2024/02/12
51: G01N
71: SHANDONG PROVINCIAL HOSPITAL AFFILIATED TO SHANDONG FIRST MEDICAL UNIVERSITY
72: LIU, Xiangdong, YUAN, Mingjie
33: CN 31: 2023108862570 32: 2023-07-19
54: SAMPLING DEVICE AND SAMPLE STORAGE DEVICE SUITABLE FOR SINGLE MOLECULE
00: -
A sampling device and sample storage device suitable for a single molecule is provided in this application, and includes a sample collector, where the sample collector collects a single-molecule sample from a target solvent, and t includes a first and a second sample collector, the first sample collector is used for collecting a first sample, the second sample collector is used for collecting a second sample, and the relative molecular mass of the first sample differ from the second sample; the sample storage device, where the sample storage device is used for storing the single-molecule sample collected by the sample collector and includes a first and second memory capable to rotate, where the first and second memory are connected to the first and second sample collector respectively; and a controller, where the controller is used for controlling the rotating speed of the first memory and that of the second memory.



21: 2023/07839. 22: 2023/08/11. 43: 2024/02/12
51: F16H
71: Zheng Zhou Research Institute of Mechanical Engineering CO., LTD.
72: Shidang Yan, Jiadong Zhao, Lubing Shi, Xiaokun Liu, Bang Pei
33: CN 31: 2023107770247 32: 2023-06-28
54: TORQUE LOADING TEST DEVICE FOR PLANETARY REDUCER OF A TUNNEL BORING MACHINE
00: -
The invention discloses a torque loading test device for planetary reducer of a tunnel boring machine, which comprises a transmission mechanism, a lifting mechanism and a multistage loading mechanism installed on a support seat, wherein the transmission mechanism and the multistage loading mechanism are oppositely arranged at two opposite ends of the lifting mechanism; the planetary reducer of the tunnel boring machine is placed on the lifting mechanism; and the input shaft and the output shaft of the planetary reducer of the tunnel boring machine are detachably connected with the transmission mechanism and the multistage loading mechanism respectively. The invention realizes multistage loading, so that the accuracy of loading and detection is higher, and the operation is simple, the overall structure is simple, the input cost is low, and the failure rate is low. The invention is suitable for the technical field of torque loading test of planetary reducers of tunnel boring machines.

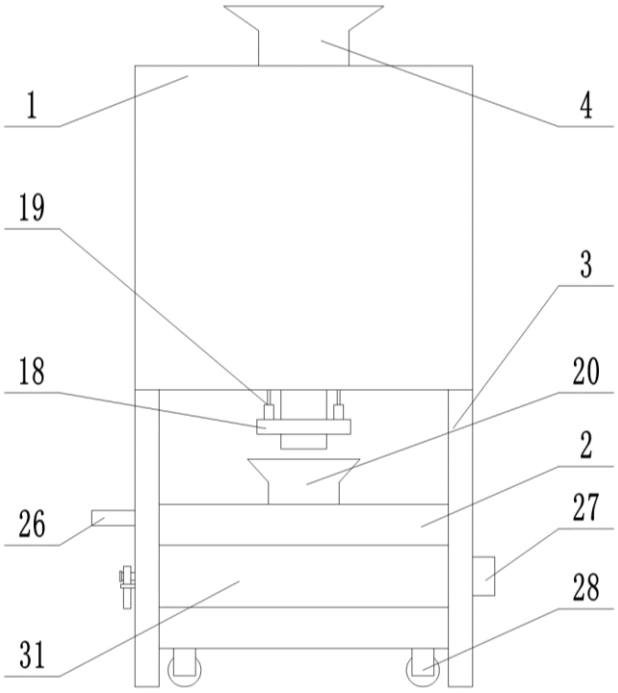


21: 2023/07841. 22: 2023/08/11. 43: 2024/02/12
51: A23L
71: Harbin Medical University
72: QI Xiaona, YAO Qiang, QI Xiaoqiang
54: WHOLE-NUTRITION FOOD FORMULA SUITABLE FOR MALIGNANT TUMOUR PATIENTS AND PREPARATION METHOD THEREOF
00: -

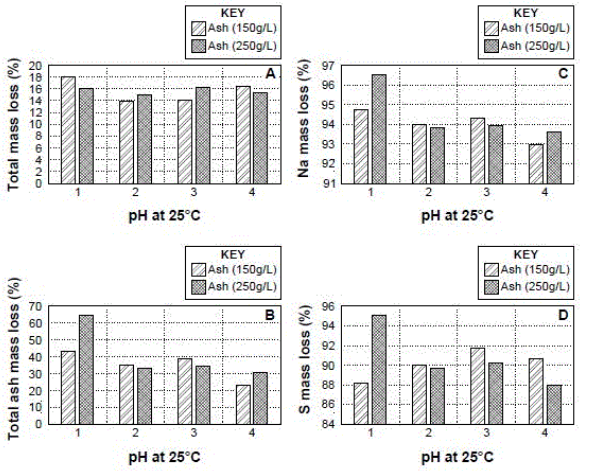
The invention discloses a whole-nutrition food formula suitable for malignant tumour patients and a preparation method thereof, and relates to the technical field of food formulas. According to the parts by weight, the whole-nutrition food formula comprises the following components: 5-15 parts of quinoa powder, 2-3 parts of whey protein, 2-4 parts of fish oil, 3-6 parts of inulin, 1-3 parts of omega-3 fatty acid, 1-2 parts of galacto-oligosaccharide, 1-2 parts of fructo-oligosaccharide, 1-2 parts of glutamine, 1-2 parts of leucine, 0.2-0.4 part of vitamins and 0.2-0.4 part of minerals. The whole-nutrition food formula provided by the invention can obviously improve the nutritional status of patients, namely, improve malnutrition, reduce complications, improve the compliance of anti-tumor treatment and improve the quality of life of patients.

21: 2023/07842. 22: 2023/08/11. 43: 2024/02/12
51: C12M
71: Institute of Animal Science and Veterinary Medicine, Shandong Academy of Agricultural Sciences
72: HAO Lihong, HU Hongmei, WANG Cheng, WANG Huaizhong
54: CRUSHING AND FERMENTING DEVICE FOR FEED PROCESSING
00: -

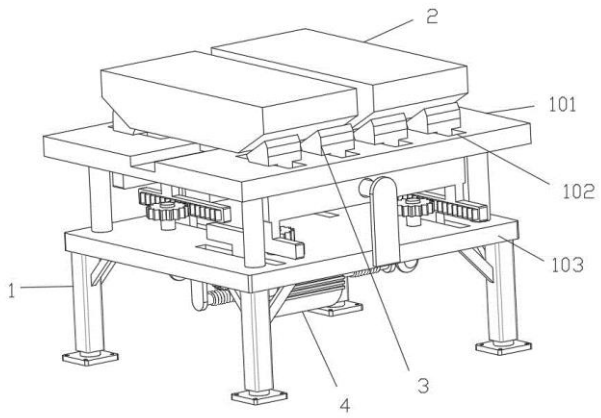
The invention relates to the technical field of feed processing, in particular to a crushing and fermenting device for feed processing; guide plates are symmetrically arranged below the crushing boxes, and brackets are fixedly connected to both sides of the guide plates. The brackets are fixedly connected with the crushing boxes, and a plurality of fermentation tanks are detachably connected between the two guide plates. The centers of the top surfaces of the crushing boxes are fixedly connected and communicated with a first feed hopper, and two crushing rollers are rotatably connected in the crushing boxes, and a discharging assembly is arranged below the crushing rollers, and the discharging assembly runs through the crushing. The center of the top surface of the fermentation tank is fixedly connected with and communicated with a second feed hopper which is matched with the discharging assembly, a stirring assembly is rotatably connected in the fermentation tank, and a limiting assembly is symmetrically arranged on the outer wall of one side of the fermentation tank. According to the invention, a plurality of fermentation tanks are arranged, so that the crushing boxes can continuously crush the feed, and the working efficiency of feed crushing and fermentation is effectively improved.



21: 2023/07843. 22: 2023/08/11. 43: 2024/02/12
51: C07G; C08H
71: NORTH-WEST UNIVERSITY
72: MARX, Sanette, VENTER, Roelof Jacobus, NAUDE, Leane
33: GB 31: 2211729.5 32: 2022-08-11
54: LIGNOSULPHONATE PURIFICATION
00: -
The present invention relates to a process for the purification of lignosulphonate, and more specifically the purification of lignosulphonate by removal of sulphur and sodium groups therefrom. The process comprises an acidification step, drying step and a washing step for processing the recovered dry solids into a high-impurity fraction dissolved in a solvent and an undissolved low-impurity fraction.

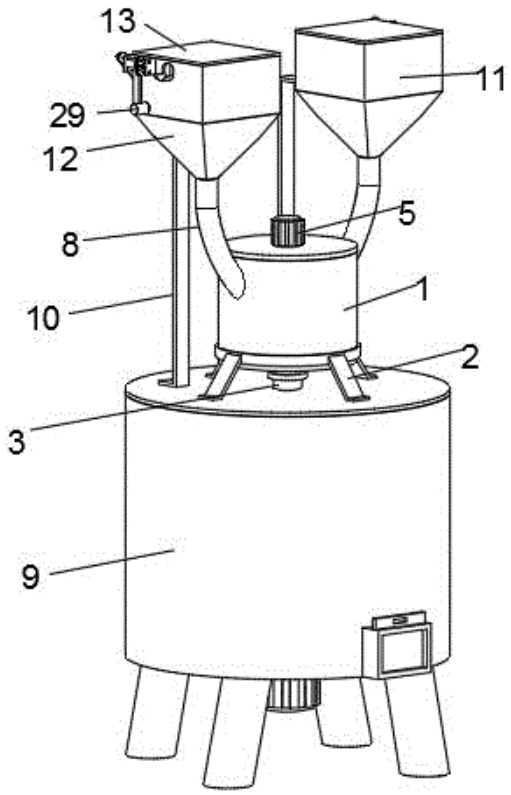


21: 2023/07844. 22: 2023/08/11. 43: 2024/02/12
51: E01D
71: Linyi University
72: Xinran Li, Mengying Liu, Zixin Lu, Xuejin Zhang
54: A UHPC BRIDGE BEAM SEGMENT DOCKING DEVICE AND CONSTRUCTION METHOD
00: -
The invention relates to the technical field of building construction, in particular to a UHPC bridge beam section docking device and a construction method. The invention comprises a supporting structure, an adjusting structure and a driving component. The supporting structure comprises a base, the adjusting structure comprises a moving plate and a moving plate, and the moving plate and a moving plate are connected to a finite bit block and a supporting plate. The driving component comprises a double-shaft motor, and both sides of the double-shaft motor are provided with a worm, a worm wheel and a rotating shaft; The beneficial effects of the invention are as follows: the invention drives the worm to rotate by starting the double-shaft motor, and then drives the bevel gear at both ends to rotate in the same direction by the worm wheel, the fixing plate II and the rotating shaft. Then, by rotating the column and bevel gear, the two groups of gear disks rotate synchronously in reverse, so as to drive the first rack and the second rack close to or away from each other, and finally through the limit block to drive the two groups of brackets to adjust, so as to facilitate the assembly of the bridge according to different widths, and the operation is simple and convenient, saving time and labor.



21: 2023/07845. 22: 2023/08/11. 43: 2024/02/12
51: B28C
71: Linyi University
72: Shiyin Mao, Keming Liu, Xuewen Ma
54: A RAW MATERIAL ADDING DEVICE FOR PREPARING CONCRETE BY VOLCANIC ASH AND A PREPARATION METHOD THEREOF
00: -

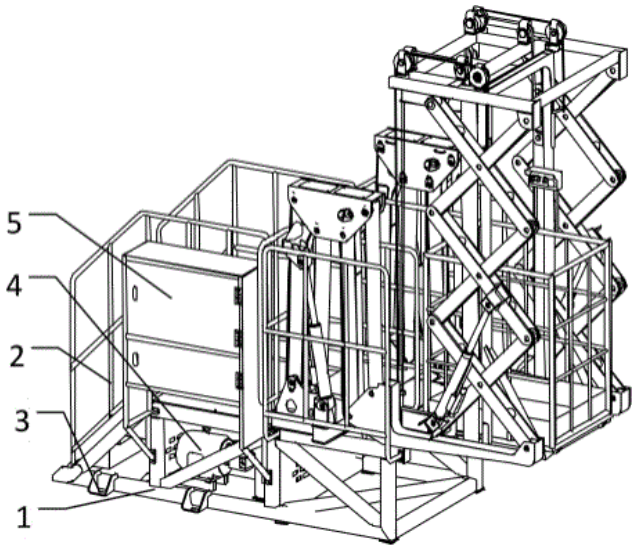
The invention relates to the technical field of concrete production equipment, in particular to a raw material adding device for preparing concrete by volcanic ash and a preparation method thereof. The utility model comprises a premix tank, and the lower end of the premix tank is arranged with a concrete mixer and communicated with the concrete mixer through a feed delivery pipe. The upper and left sides of the premix tank are provided with a storage box, and the lower end of the storage box is fixed with a discharge box, and the lower end of the discharge box is communicated with the interior of the premix tank through a connecting pipe; A partition board is arranged between the discharge box and the storage box, and a rotating cylinder is connected on the partition board. A groove is arranged on the side wall of one end of the rotating cylinder, and a sealing plate is arranged between the outer wall of the rotating cylinder and the partition board; The device avoids a lot of flying dust, polluting the air. At the same time, the added raw materials are fully mixed in advance through the mixing mechanism before concrete production. Then it is mixed with other raw materials to improve the efficiency of concrete production.



21: 2023/07846. 22: 2023/08/11. 43: 2024/02/12
51: B63B
71: Jiangsu Hengshan Southern Cement Co. Ltd., Xuzhou Zhongkuang Langma Intelligent Technology Co. Ltd.
72: Aimin LI, Shujun ZHANG, Baoming SHEN, Tao LI, Jie CUI
54: A DUAL-PURPOSE DEVICE FOR BOARDING AND DISEMBARKATION
00: -

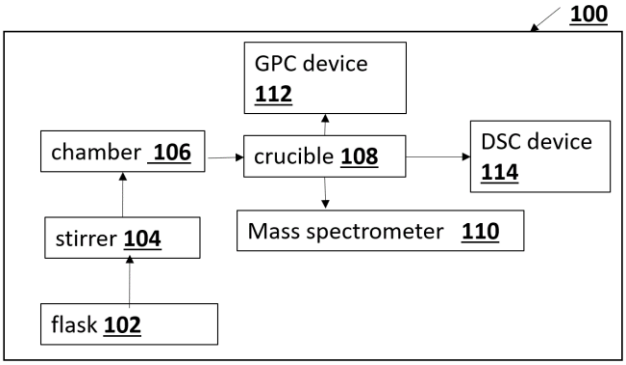
The present invention discloses a dual-purpose device for boarding and disembarkation, which belongs to the field of boarding and disembarkation, including a base, a power device, a control system, a telescopic mechanism, a lifting mechanism and a manned platform, the power device is arranged inside the base, the control system is arranged on one side of the base, the telescopic mechanism is symmetrically arranged on both sides of the base, the lifting mechanism is arranged in the middle of the two sets of telescopic mechanisms, and the manned platform is arranged in the middle of the lifting structure. The present invention adopts a boarding and landing dual-purpose device with the above structure, the structure is compact and can achieve

the maximum working range requirement in a limited space, it can improve the convenience and safety of personnel boarding or landing from the shore, and has a wide range of applications.



21: 2023/07882. 22: 2023/08/14. 43: 2024/02/19
51: A23L
71: XIXIAN NEW AREA KANGTAILAI TECHNOLOGY PARTNERSHIP CORPORATION (LIMITED PARTNERSHIP), SHAANXI UNIVERSITY OF TECHNOLOGY
72: QI, Shanshan, ZHENG, Hongxing, JIANG, Mengqiu, CHEN, Simin
54: A MEAL SUBSTITUTE POWDER WITH HYPOGLYCEMIC FUNCTION AND ITS PREPARATION METHOD
00: -
The present invention provides a meal substitute powder with hypoglycemic function and a preparation method thereof, belonging to the technical field of meal substitute powder. The present invention provides a meal substitute powder with hypoglycemic function, which includes black rice, black wheat, black oat, black barley, black corn, black bitter buckwheat, purple potato, Qiya seed, black sesame, black peanut, walnut, black bean, black lentil, Dioscorea opposita Thunb., Lycium barbarum L., Morus albaL., Pueraria lobata (Willd.) Ohwi and Astragalus membranaceus (Fisch.) Bge. This meal powder has an improvement effect on high blood sugar, and can be consumed within a certain period of time, with the effect of lowering blood sugar.

21: 2023/07883. 22: 2023/08/14. 43: 2024/02/19
51: C08F
71: Dr. Deepal Agrawal, Dr. Nitish Kumar Gupta
72: Dr. Deepal Agrawal, Dr. Nitish Kumar Gupta
54: COMPOSITION, METHOD AND SYSTEM TO SYNTHESIZE AND CHARACTERIZE POST-METALLOCENE TITANIUM COMPLEXES OF BIDENTATE DICARBOXYLIC ACIDS
00: -
A composition, method and system to synthesize and characterize post-metallocene titanium complexes of bidentate dicarboxylic acids, wherein comprises of: a flask (102) for reacting at least an equimolar aliphatic linear saturated dicarboxylic acid of 2-4 g with 1-1.5 ml of TiCl4, wherein malonic acid and TiCl4 is dissolved separately in 100 and 200ml of dry THF respectively; a stirrer (104) for stirring solution of each of the dicarboxylic acid and TiCl4 solution with the THF for 1 hour, wherein the solution of dicarboxylic acid is transferred to a clear yellow solution of TiCl4 anaerobically to obtain a light orange solution; a chamber (106) for removing the solvent from the light orange solution under reduced pressure to obtain a residue; and a crucible (108) for recrystallizing the residue to obtain at least a complex crystalline solid of light orange color.

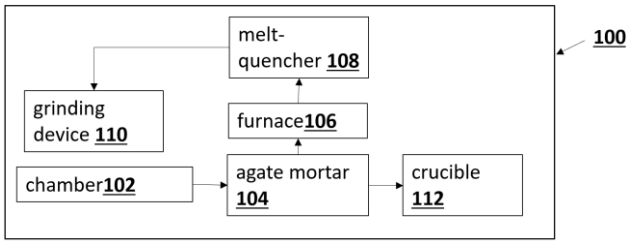


21: 2023/07884. 22: 2023/08/14. 43: 2024/02/19
51: C03C
71: Dr Dipankar Biswas, Dr. Loitongbam Surajkumar Singh, Dr. Sonjoy Mondal, Sourav Patra, Chakit Samanta, Pramod Kumar, Banarsi Pandey, Puspendu Chandra Chandra, Aninda Das, Parimal Tudu
72: Dr Dipankar Biswas, Dr. Loitongbam Surajkumar Singh, Dr. Sonjoy Mondal, Sourav Patra, Chakit Samanta, Pramod Kumar, Banarsi Pandey, Aninda Das, Parimal Tudu, Puspendu Chandra Chandra

54: A SYSTEM AND METHOD FOR SYNTHESIZING GLASS AND ANALYZING EFFECT OF METAL OXIDE ON GLASS

00: -

A System (100) and method (200) for synthesizing glass and analyzing effect of metal oxide on glass, comprises of: a chamber (102) for collecting a plurality of high-purity raw chemicals such as a chamber (102) for collecting a plurality of high-purity raw chemicals such as 0.4-3.3 gm of calcium carbonate (CaCO3), 1.7-5.4 gm of barium carbonate (BaCO3), 5.0-6.1gm of Tellurium dioxide (TeO2)and 4.5-5.5 gm of phosphorous pentoxide (P2O5); an agate mortar (104) for cautiously assorting the collected raw chemicals to acquire a homogeneous powder; a furnace (106) for heating the homogeneous powder in atmospheric air condition ranging from 900oC to 980oC for about 20-40 minutes to melt the homogeneous powder; a melt-quencher (108) for quenching the melted powder rapidly at room temperature to obtain glassy flakes, wherein the glassy flakes are annealed; and a grinding device (110) for grinding the flakes to fine pure powder.



21: 2023/07885. 22: 2023/08/14. 43: 2024/02/19

51: G06T

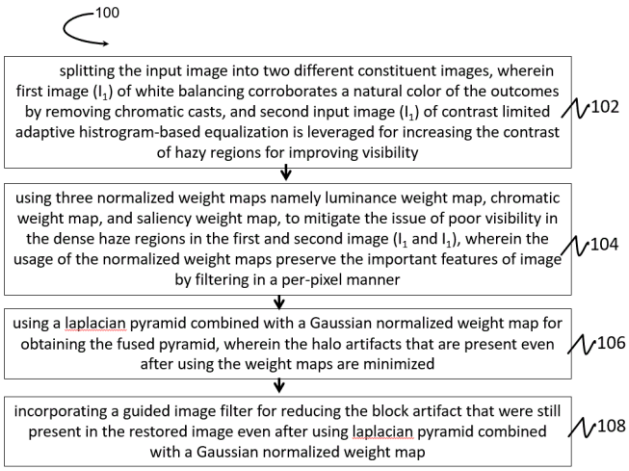
71: Dr. Sudarsan Sahoo, Dr. Kalimuddin Mondal, Dr. Rajdeep Dasgupta

72: Dr. Sudarsan Sahoo, Dr. Kalimuddin Mondal, Dr. Rajdeep Dasgupta

54: A METHOD AND SYSTEM FOR GENERATING GOOD QUALITY IMAGES FROM DEGRADED HAZY IMAGES

00: -

The present disclosure relates to a method and system for generating good quality images from degraded hazy images. For the purpose of producing high-quality photos from degraded hazy samples, a new dehazing technique called contrast limited adaptive histogram equalization based multiscale fusion is proposed in this disclosure. This algorithm removes haze from a single image without the need for any type of user activity or assumption. Rigid tests were carried out on several types of picture samples for both qualitative and quantitative assessments in order to assess the effectiveness of the proposed technique. These experiments were then compared to the competing schemes in the state-of-the-art. Finally, it can be said that the proposed approach performs satisfactorily in haze removal and outperforms a number of techniques. Additionally, the authors are currently assessing the effectiveness of this method in real-time and video applications.



21: 2023/07886. 22: 2023/08/14. 43: 2024/02/19

51: C09K

71: Siteshwari Chandrakar, Jagjeet Kaur, Vikas Dubey, Neha Dubey

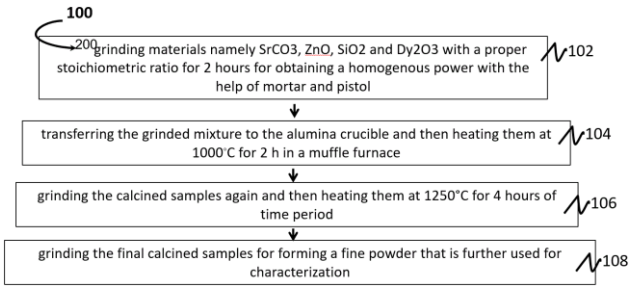
72: Siteshwari Chandrakar, Jagjeet Kaur, Vikas Dubey, Neha Dubey

54: A METHOD FOR SYNTHESIZING AND CHARACTERIZING DY3+ ACTIVATED SR2ZNSI2O7 PHOSPHORS

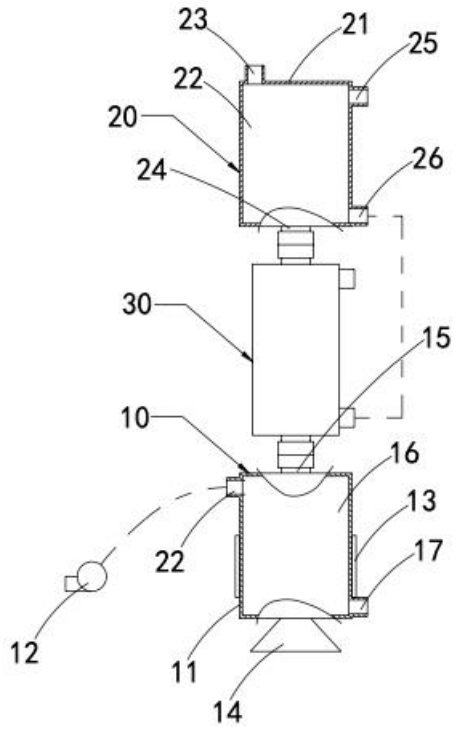
00: -

The present disclosure relates to a method for synthesizing and characterizing Dy3+ activated Sr2ZnSi2O7 phosphors. The present disclosure reports the thermoluminescent properties of Dy3+ activated Sr2ZnSi2O7 phosphors synthesized via solid-state reaction method. X-ray diffraction, transmission electron microscopy, Fourier transform infrared spectroscopy, and thermoluminescent methods were used to characterize the synthesized phosphors. Thermoluminescence (TL) glow curve examination of synthesized Dy3+-activated Sr2ZnSi2O7 phosphors for various UV exposure times revealed a linear response with dose. The

obtained results show that the synthesized phosphors have potential uses in dosimetric sectors.



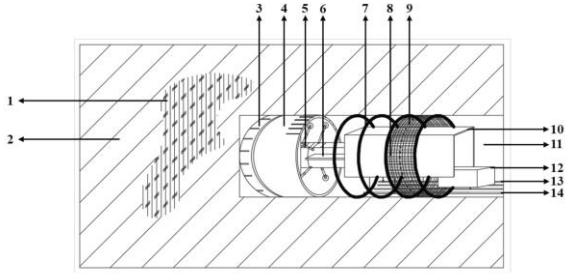
21: 2023/07913. 22: 2023/08/15. 43: 2024/02/19
51: G01N
71: CHINA UNIVERSITY OF GEOSCIENCES (BEIJING)
72: NIU, Jialiang, ZHANG, Jinchuan
33: CN 31: 202310209094.2 32: 2023-02-27
54: DEVICES FOR COLLECTING GAS AND WATER OF A WILD HOT SPRING
00: -
A device for collecting gas and water of a wild hot spring is provided which includes a water collecting unit, a gas collecting unit and a condensing connector. The water collecting unit is configured to be placed at a water outlet of the wild hot spring and to draw a water sample of the wild hot spring into the water cavity. The gas collecting unit is provided with a gas collecting cavity, a water injecting opening, a gas inlet, a water draining opening and a gas collecting opening. The condensing connector is detachably connected with the gas outlet and the gas inlet, respectively. The condensing connector is configured to cool and condense a gas flowing out of the water cavity to form a gas sample and is configured to one-way lead the gas sample to the gas collecting cavity.



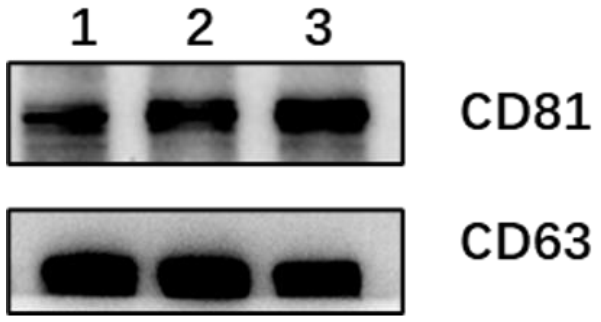
21: 2023/07933. 22: 2023/08/16. 43: 2024/02/19
51: C05F
71: DONGYING CITY YIBANG AGRICULTURAL TECHNOLOGY DEVELOPMENT CO., LTD
72: ZHOU, Hong, ZHANG, Maolin, JI, Zengcheng, WANG, Shasha, CAO, Runze, ZHANG, Jing, LIU, Xiaotao, ZHANG, Jia, WEI, Bo, WEN, Huajun
54: SPECIAL LONG-ACTING FERTILIZER FOR IMPROVING SALT TOLERANCE OF CROPS IN SALINE-ALKALI LAND AND PREPARATION METHOD THEREOF
00: -
The present invention relates to a special long-acting fertilizer for improving the salt tolerance of crops in saline-alkali land and a preparation method thereof. The following solution is proposed, comprising the following raw materials in parts by weight: 10-20 parts of urea, 1-5 parts of amino acid, 0.5-1 part of gibberellin, 0.5-1 part of silicon-calcium-magnesium, 0.5-1 part of bioenzyme, 1-5 parts of plant ash, 1-5 parts of superphosphate, 1-5 parts of calcium phosphate, 5-10 parts of animal bone meal, 5-10 parts of fish bone meal and 1-5 parts of humic acid. The invention can improve the salt damage resistance of crops, resist the salt from diluting the salt in the body and alleviate the salt damage

through the superphosphate, the calcium phosphate, the animal bone meal and the fish bone meal, promote plant growth through the plant ash, the amino acid and the humic acid.

21: 2023/07941. 22: 2023/08/16. 43: 2024/02/19
51: E21D
71: TIBET JULONG COPPER CO., LTD., UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING
72: SHA, Xianwu, ZHAO, Ziyue, LIN, Decai, CHEN, Caixian, LIN, Kaisen, WANG, Zhiyong, ZHONG, Rubiao, ZENG, Qinglin, HAN, Chengbin, ZHOU, Jian, WANG, Yongwei, WANG, Song, BAI, Xingtao, CAO, Shuai
33: CN 31: 202310766608.4 32: 2023-06-27
54: SUPPORT METHOD FOR TBM-BASED LARGE-SECTION ROADWAY EXCAVATION ENCOUNTERING WATER-CONDUCTING FISSURE ZONE
00: -
The invention relates to the technical field of TBM-based roadway construction and support, in particular to a support method for TBM-based large-section roadway excavation encountering a water-conducting fissure zone. Using sparse and dense short anchor cables, steel arch frames, steel wire meshes, M-shaped steel bridging structures, grouting reinforcement and guniting, the integrated comprehensive reinforcement of a roadway encountering a water-conducting fissure zone is carried out, and finally a complete integrated high-strength support and reinforcement system is formed to improve the controlled deformation and anti-seepage performance of the roadway, realize high-efficiency and safe construction of TBM-based large-section roadway excavation in high-altitude complex strata. The construction support method is simple in process and has obvious applicability for the reinforcement control of geological surrounding rock in the TBM-based large-section roadway excavation encountering a water-conducting fissure zone.

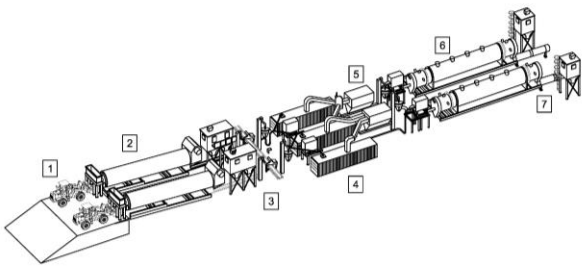


21: 2023/07972. 22: 2023/08/16. 43: 2024/02/19
51: A61K; C12N; A61P
71: THE FIRST AFFILIATED HOSPITAL OF GUANGZHOU MEDICAL UNIVERSITY (GUANGZHOU RESPIRATORY CENTER)
72: SUN, Ruiting, RAN, Pixin, WU, Zuze, ZHOU, Yumin, YANG, Yuefeng, WANG, Hua, BAI, Ge, KONG, Panyue
33: CN 31: 202110551341.8 32: 2021-05-20
54: APPLICATION OF STEM CELL-DERIVED EXOSOMES IN THE PREPARATION OF DRUGS FOR THE TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE
00: -
The present invention provides a novel application of stem cell-derived exosomes in the preparation of drugs for the treatment of chronic obstructive pulmonary disease (COPD). Exosomes are smaller in structure and are more easily absorbed by recipient cells, making them a promising alternative to stem cells in treating COPD. Similar to stem cells, exosomes have therapeutic effects on COPD, but they are more easily accepted by recipient cells because they lack immune rejection. Therefore, the use of exosomes provides a new approach and strategy for the treatment of COPD.

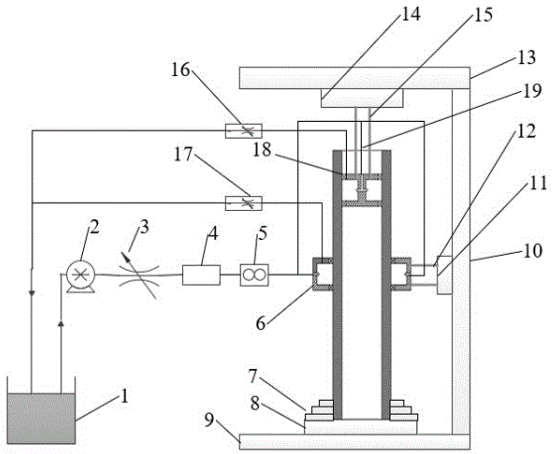


21: 2023/08003. 22: 2023/08/17. 43: 2024/01/29
51: B07B; B09B; C04B
71: ASH-TEK LLC
72: POLING Christopher L., SCHEERES Nico W.

33: US 31: 63/157,550 32: 2021-03-05
54: PONDED ASH BENEFICIATION SYSTEM AND RELATED METHODS
00: -
A ponded ash beneficiation system and related methods treat either landfilled or ponded waste coal fly ash by removing at least 75% of the carbon from a collected quantity of such waste coal fly ash. Analysis and testing of the collected waste coal fly ash to determine optimal air balance, indirect heat temperature and retention time. Subjecting a stream of such waste coal fly ash to temperatures ranging from 900 degrees F and 1150 degrees F along with air addition calibrated as a function of the LOI of the carbon in such waste coal fly ash. This stream is exposed to the foregoing range of temperatures and corresponding air addition for a range of time between 20 minutes and 90 minutes, in certain aspects of the disclosure. A system for beneficiating landfilled or ponded waste coal fly ash makes use of a carbon reduction kiln comprising multiple independent heat zones so that the waste coal fly ash is preferably exposed to indirect heat when received in such zones.

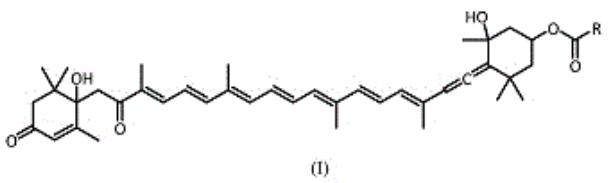


21: 2023/08063. 22: 2023/08/21. 43: 2024/02/09
51: C21D
71: Nantong University
72: YANG Yongfei, SHI Weidong, WANG Gaowei, CAO Yupeng, TAN Linwei, WANG Zhengang, CHEN Zhen
54: HIGH-PRESSURE CAVITATION WATER JET STRENGTHENING DEVICE AND METHOD FOR PIPELINE COMPONENTS
00: -
The present invention discloses a high-pressure cavitation water jet strengthening device and method for pipeline components, which includes a workpiece processing system, a high-pressure jet system, and a water storage tank; the workpiece processing system includes an outer surface sealing sleeve moving device, an inner surface sealing sleeve moving device, and a workpiece rotating device, and above the workpiece rotating device is a pipeline component that drives the pipeline component to rotate, and the outer surface sealing sleeve moving device is used to drive the outer surface sealing sleeve to move up and down; the inner surface sealing sleeve moving device is used to drive the inner surface sealing sleeve to move up and down; the high-pressure jet system includes a high-pressure water pipe connected to a water storage tank. The present invention adds a sealing element inside and outside the pipeline components to be treated, and the sealing area is immersed and pressurized, and the nozzle is set in the immersion area, and when the high-speed water jet enters the water through the nozzle, it will generate bubbles, which will directly act on the surface of the pipeline components for surface strengthening treatment.



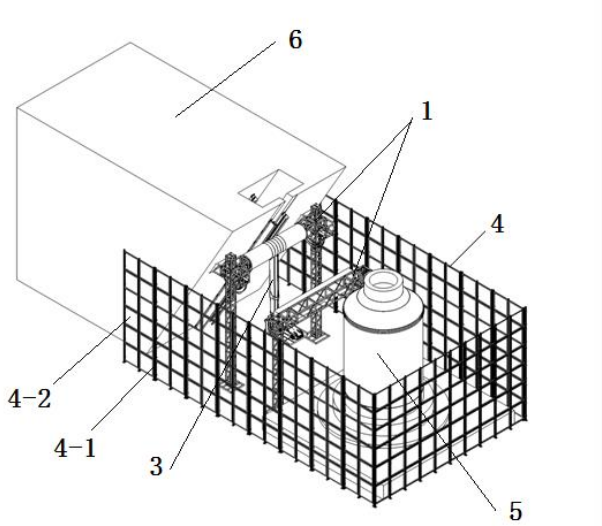
21: 2023/09924. 22: 2023/10/24. 43: 2023/12/11
51: C07C; A61P
71: GAT THERAPEUTICS, S.L.
72: GARCÍA-DELGADO BANCHS, NOEMÍ, RUIZ CÁNOVAS, EUGÈNIA, MERCADÉ ROCA, JAUME
33: EP 31: 21382644.9 32: 2021-07-16
54: AMAROUCIAXANTHIN A ESTERS AND USES THEREOF
00: -
The present invention relates to compound of formula (I) or a stereoisomer thereof, in particular amarouciaxanthin A acetate. The invention also relates to the method of preparation of these

compounds, to compositions comprising them as well as their medical and cosmetic uses.

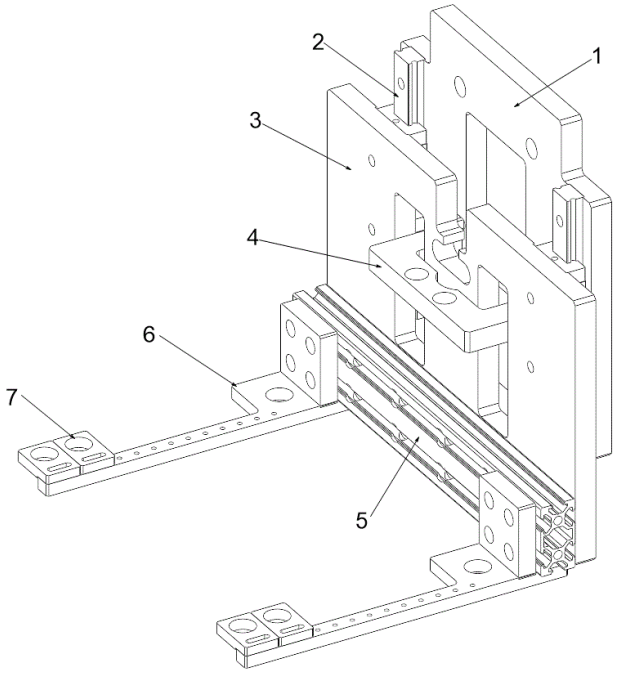


(I)

21: 2023/10181. 22: 2023/10/31. 43: 2024/01/29
51: G01M
71: HARBIN INSTITUTE OF TECHNOLOGY
72: ZHANG, Rong, ZHI, Xudong, YU, Yiqun, FAN, Feng
33: CN 31: 202310045292.X 32: 2023-01-30
54: A SIMULATION TEST SYSTEM FOR PROJECTILE IMPACT
00: -
The present invention refers to a test system for simulating projectile impact. The present invention aims to solve the problems of low impact velocity and limited impact angles in existing test systems, despite their ability to simulate high-mass projectile impacts. The present invention achieves high-speed impact of large-mass projectiles through the synergistic action of three energy storage methods: the lower spring energy storage device of the retractable swing arm system (3), the upper torsion spring energy storage device of the steel truss support system (1), and the air spring energy storage device of the ejection release system (2). The length and release position of the retractable swing arm system (3) are controlled by the control and acquisition system, allowing for adjustment of impact posture, angle, and position to achieve a variety of impact conditions. This system can simulate real-world projectile impacts with high speed, large mass, multiple angles, materials, and sizes. The present invention is used to simulate projectile impacts.



21: 2023/10742. 22: 2023/11/21. 43: 2024/01/29
51: H04Q
71: WUHU MIAOSUAN ELECTRONIC TECHNOLOGY CO., LTD.
72: XU, Liping
33: CN 31: 202320312007.1 32: 2023-02-24
54: DEVICE FOR INSTALLING AND POSITIONING NETWORK EQUIPMENT
00: -
The present invention discloses a device for installing and positioning network equipment, and relates to the technical field of fixing frames. Comprise a fixed bottom plate, wherein a group of slide rails are vertically arrange on that fixed bottom plate; A middle adjusting plate, the back of which is fixed on the slide rail; The transverse bracket is fixed on the middle adjusting plate and provided with an adjusting groove; A group of fixing frames are fixedly installed on the transverse support, and the fixing frames can be moved and adjusted left and right through adjusting grooves; Fixed seats, a plurality of fixed seats are installed on the fixed frame, and a plurality of adjusting holes for installing the fixed seats are evenly distributed on the fixed frame. According to the requirements of different installation environments, the invention can meet the installation of network equipment with different sizes, and can be adjusted in multiple dimensions in terms of disassembly and adjustment. At the same time, the wiring rack can make the line clear and not chaotic, which is beautiful on the one hand and convenient to maintain and reduce potential safety hazards on the other.

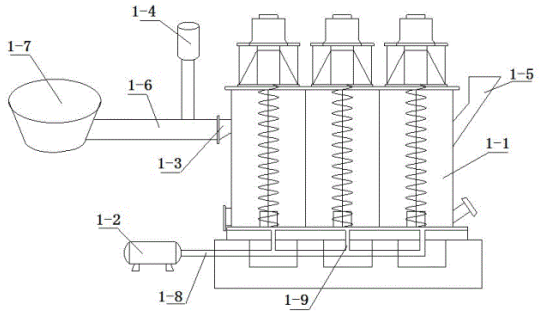


21: 2023/11027. 22: 2023/11/29. 43: 2024/02/05
51: B03D; C22B; C25C
71: YUNNAN UNIVERSITY
72: TU, Xueyan, TANG, Zhiyu
33: CN 31: 202210327436.6 32: 2022-03-30

54: ENVIRONMENTALLY FRIENDLY GOLD LEACHING METHOD FOR GOLD ORE CONTAINING CARBON, SULFUR AND ARSENIC

00: -

The present invention provides an environmentally friendly gold leaching method for gold ore containing carbon, sulfur and arsenic, and relates to the technical field of the metallurgical industry. The present invention utilizes fine grinding to open sediment with gold ore containing carbon, sulfur and arsenic, thus facilitating gold leaching; gold enrichment is achieved through jet pulse flotation, thus reducing the amount of ore processed; then an oxidation reaction is used to convert arsenic to arsenate and sulfur to sulfate, carbon passivation is performed and fine gold is exposed; then, a precipitation reaction is used to convert arsenic to scorodite, preventing the future dissolution of the arsenic; sulfate and carbonate are converted to calcium sulfate and calcium carbonate, the calcium carbonate is removed, and caustic soda is regenerated and reused.

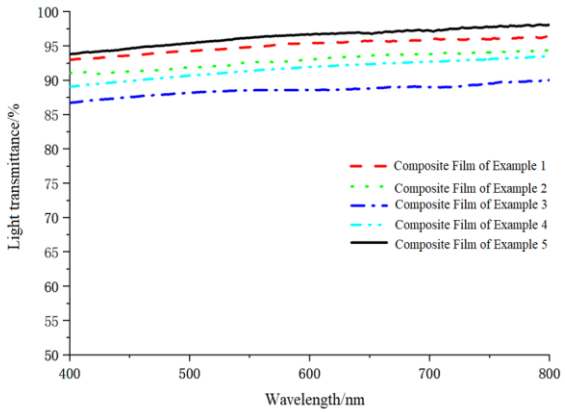


21: 2023/11155. 22: 2023/12/04. 43: 2024/01/29
51: C08J; C08L
71: HAINAN NORMAL UNIVERSITY
72: ZHANG, Dashuai, SHI, Zaifeng, ZHANG, Xiaopeng, ZHANG, Yan
33: CN 31: 202310435454.0 32: 2023-04-21

54: METHOD FOR PREPARING ULTRATHIN, HIGH-STRENGTH AND HIGH-LIGHT-TRANSMITTING BIODEGRADABLE FOOD INNER PACKAGING FILM

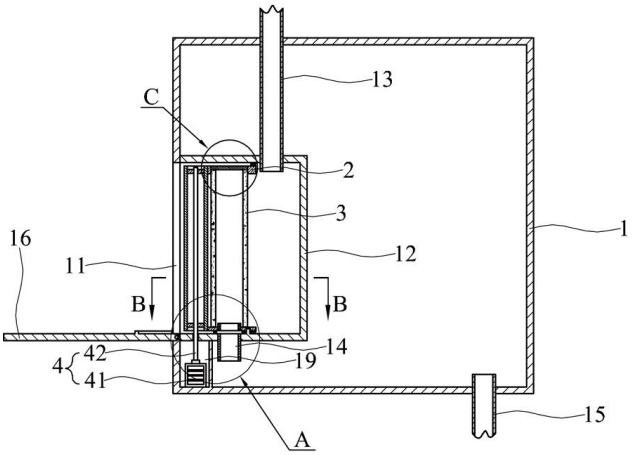
00: -

The present disclosure provides a method for preparing an ultrathin, high-strength and high-light-transmitting biodegradable food inner packaging film, which includes the following steps: dissolving PLA in dichloromethane to obtain a first solution; dissolving methylcellulose, carboxymethyl chitosan and a plasticizer in glacial acetic acid to obtain a second solution; and mixing the first solution with the second solution to obtain a third solution, pouring the third solution into a mold, and naturally drying in the air after dichloromethane is volatilized and a film is formed, so to obtain a high-strength biodegradable food-grade film packaging material. The PLA/MC/CMCS blended film prepared in the present disclosure through a method of forming a film by solvent evaporation, has good uniformity, so that the performances of the materials can be supplemented mutually and improved synergistically. The film preparation method is simple. The prepared film has good mechanical performances and light transmittance, is green and safe and has biodegradability and the like properties, has an excellent bacteriostatic performance, and can be used as a packaging film in direct contact with food, which reduces the use of food preservatives.



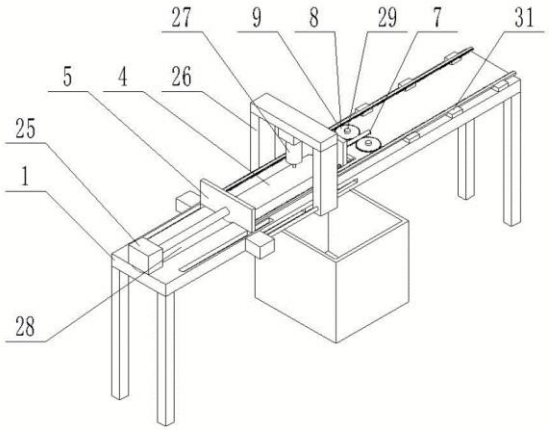
21: 2023/11301. 22: 2023/12/07. 43: 2024/02/19
51: A61K; B01D
71: HEBEI RUILONG BIOTECHNOLOGY CO., LTD
72: LI, Weijia, HE, Aimin, LONG, Lijin
33: CN 31: 202210922091.9 32: 2022-08-02
54: METHOD OF PREPARING AN EXTRACT OF CHAYOTE
00: -
The disclosure relates to the technical field of food and medical chemical production, and provides a method of preparing an extract of chayote. The method includes: step 1, adding water and a pretreatment agent of ethoxylated p-tert-octylphenol to a chayote powder to obtain a pretreatment mixture; step 2, adding a stabilizer and a cellulase to the pretreatment mixture to perform an enzymolysis treatment to obtain an enzymatic hydrolysate, and centrifuging the enzymatic hydrolysate to obtain a crude extraction liquid; step 3, concentrating the crude extraction liquid to obtain a concentrate, purifying and drying the concentrate to obtain the extract of chayote.

21: 2024/00048. 22: 2024/01/02. 43: 2024/01/29
51: B01D
71: Institute of Modern Physics, Chinese Academy of Sciences
72: Xiaofei NIU, Dajun FAN, Liming ZHU, Xianjin WANG, Jun WEN, Junhui ZHANG, Hailin SU, Yongping HU, Tao JIN, Peng ZHANG, Yanan LI, Hengjuan ZHANG, Yonghui YANG
33: CN 31: 202311108065.3 32: 2023-08-31
54: FILTER DEVICE AND 2K NEGATIVE PRESSURE HEAT EXCHANGER THEREOF
00: -
The filter device includes a box, a filter frame, a filter core and a driver, on a side wall of the box has a replacing port, inside of the box has an isolation covered on the replacing port, the isolation cover is connected to a feeding pipe, on the isolation cover also has a discharging port, the box is connected to a discharging pipe, the replacing port is hinged to a sealing plate, the filter frame is vertically and rotationally provided in the isolation cover, a sealing member is provided between the filter frame and the isolation cover to seal the isolation cover, the feeding pipe is connected to the inside of the isolation cover, the bottom end of the filter frame has a through hole provided in correspondence with the discharging port, the filter core is vertically disposed on the filter frame, the two ends of the filter core are sealingly connected with the filter frame respectively, the inner cavity of the filter core is connected to the through hole correspondingly, and the driver is used to drive the filter frame to rotate.



21: 2024/00090. 22: 2024/01/02. 43: 2024/02/05
51: B21D
71: JILIN INSTITUTE OF CHEMICAL TECHNOLOGY
72: YOU Bo
33: CN 31: 2022111130624 32: 2022-09-14
54: FIXTURE DEVICE FOR PUNCHING MACHINE
00: -
The invention discloses a fixture device for punching machine, which comprises a workbench, and a fixing piece, wherein the fixing piece is fixed at the top end of the workbench, a support pipe is fixed on the fixing piece, the bottom end of the support pipe is provided with a discharge port, and the discharge port is located in the fixing piece, a pipe is sleeved on the support pipe, and the top end of the support pipe is provided with a through hole piece with

adjustable position; the movable piece comprises a movable plate, which is located at the side of the support pipe far away from the fixing piece, and the movable plate abuts against the end face of the support pipe and the end face of the pipe. According to the invention, when cleaning the inside of the support pipe, manual operation or additional power devices are not needed, so that the material cleaning is easy, and the energy consumption is low; in addition, the position of the through hole on the fixed pipe can be adjusted, so that the invention is suitable for punching different pipes, and the punching processing cost is reduced.

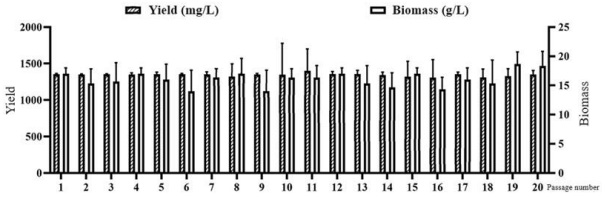


21: 2024/00095. 22: 2024/01/02. 43: 2024/01/29
51: C12N
71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
72: LIU, Shuncheng, YUAN, Lijie, XU, Longxing
33: WO 31: PCT/CN2023/103738 32: 2023-06-29
33: CN 31: 202310774091.3 32: 2023-06-28

54: YARROWIA LIPOLYTICA GENETICALLY ENGINEERED BACTERIUM CAPABLE OF PRODUCING B-ELEMENE AND CONSTRUCTION METHOD THEREFOR, AND METHOD FOR PREPARING B-ELEMENE

00: -

The present invention relates to a Yarrowia lipolytica genetically engineered bacterium capable of producing ß-elemene and a construction method therefor, and a method for preparing ß-elemene. The construction method comprises: integrating the Yarrowia lipolytica endogenous HMGR gene, optimized germacrene. A synthase Ha-GASL101WT412SD433NW436A gene, Yarrowia lipolytica endogenous ERG19 gene, Yarrowia lipolytica endogenous ERG13, and HaGASL101WT412SD433NW436ALERG20 fusion gene of farnesyl diphosphate synthase ERG20 into Yarrowia lipolytica, so as to obtain the Yarrowia lipolytica genetically engineered bacterium capable of producing ß-elemene. The method can enable carbon flux to flow into a ß-elemene synthesis pathway as much as possible, reducing substrate waste and greatly increasing the yield of ß-elemene; and the engineered bacterium has good subculture stability, and can be used for large-scale commercial production.



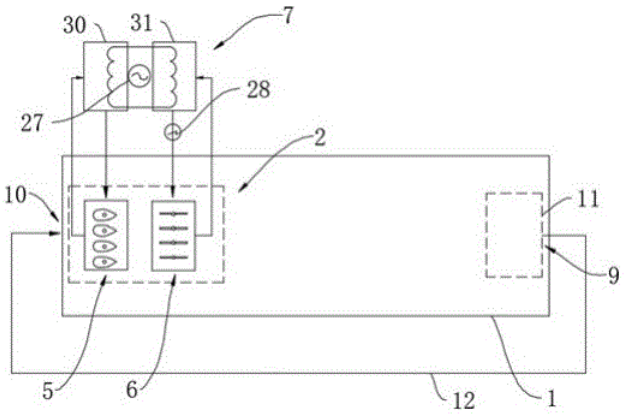
21: 2024/00098. 22: 2024/01/02. 43: 2024/02/05
51: A01G
71: SICHUAN AGRICULTURAL UNIVERSITY
72: LU Wei, ZHENG Yangxia, LI Mengyao, JIANG Chengyao, YIN Junwei, GUO Kexin, LIU Xinyuan, HUANG Xiaole
33: CN 31: 202210390954.2 32: 2022-04-14

54: GREENHOUSE WITH WATER RECIRCULATION SYSTEM

00: -

Disclosed in the present invention is a greenhouse with water recirculation system. The greenhouse includes a greenhouse body, where a water collecting device is arranged in the greenhouse body, the water collecting device is provided with an air inlet and an air outlet, and a condensing portion and a reheating portion are arranged in the water collecting device. An energy supply system is further included. Air in the greenhouse body can be injected into the water collecting device from the air inlet, flows through the condensing portion and the reheating portion in sequence, and is finally discharged into the greenhouse body again from the air outlet. In such a process, the condensing portion has a low temperature under cold supply of the energy supply system, and when the air with higher humidity flows through the condensing portion, moisture is condensed on a surface of the condensing portion, such that the water collecting device has the function of taking water from the

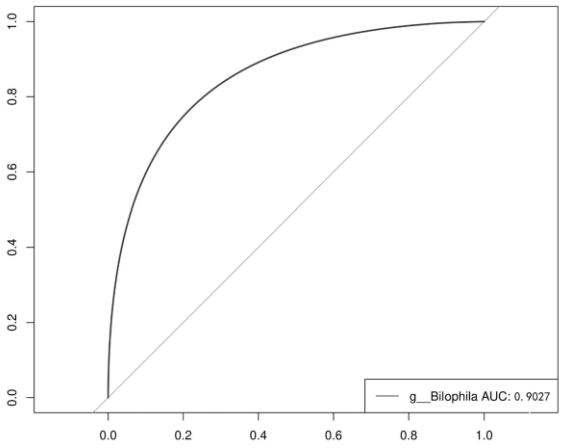
greenhouse air. When the dehumidified air with a lower temperature flows through the reheating portion, since the reheating portion has a high temperature under heat supply of the energy supply system, the reheating portion can heat the air flowing therethrough. A temperature of the greenhouse is less likely to be reduced when the heated air is discharged into the greenhouse body again, and normal growth of plants is less likely to be affected.



21: 2024/00101. 22: 2024/01/02. 43: 2024/02/05
51: F16B
71: XUZHOU XCMG MINING MACHINERY CO., LTD.
72: QIN, Hongyi, ZHANG, Jieshan, WANG, Zhou, YAO, Xijiang, QIAO, Kuipu, CHEN, Zhuo, TANG, Zhiming, DU, Ning, ZHAO, Ming
33: CN 31: 202110760727.X 32: 2021-07-06
54: SAFETY PIN LOCKING DEVICE FOR WORKPIECE TURNOVER AND WORKPIECE TURNOVER SYSTEM
00: -
A safety lock pin device for workpiece overturning, and a workpiece overturning system. The safety lock pin device for workpiece overturning comprises a safety pin (1), a triangular lock plate (2), an elastic positioning pin (5) and a lock, wherein the safety pin (1) is used for being inserted into a base (M1) and an overturning workpiece (M2) and locking the angle of the overturning workpiece (M2) relative to the base (M1); a first corner end of the triangular lock plate (2) is connected to an axial surface of the safety pin (1) by means of a fastener, and the triangular lock plate (2) can rotate around the fastener; the elastic positioning pin (5) is installed on a second corner end of the triangular lock plate (2) and is used for being inserted into two positioning counter bores (1-4, 1-5) in two different positions on the axial surface of the safety pin (1) to limit the position of the triangular lock plate (2), so that the safety pin (1) is pulled out of the overturning workpiece (M2) or the safety pin (1) is prevented from being pulled out; and the lock is installed on a third corner end of the triangular lock plate (2) and is used for limiting rotation of the triangular lock plate (2), and the triangular lock plate (2) is rotated by unlocking the lock and pulling out the elastic positioning pin (5). By means of the above arrangement, the safety lock pin device for workpiece overturning has the characteristics of a simple structure, convenience in operation and being highly safe; and installation, locking and unlocking of the safety pin (1) can be achieved, thus greatly improving the safety and convenience.

21: 2024/00184. 22: 2024/01/04. 43: 2024/01/29
51: G01N
71: GUANGDONG MEIWEIXIAN FLAVORING FOODS CO., LTD
72: KAN, Qixin, CAO, Yong, DENG, Guangdie, HE, Liping, WANG, Peipei, FU, Jiangyan, LIU, Zhan, XU, Ting, LIN, Hong, HU, Yuanshu, ZHANG, Lingfen, LUO, Qing
33: CN 31: 202210171302.X 32: 2022-02-24
54: METHOD FOR QUICKLY DETERMINING FERMENTATION STAGE AND CHARACTERISTIC AROMA OF SOY SAUCE BASED ON HS-PTR-TOF-MS
00: -
The present invention provides a method for quickly determining fermentation stage and characteristic aroma of soy sauce based on HS-PTR-TOF-MS. To detect as many volatile components as possible, a concentration of volatile gas in an upper layer of a headspace is increased by optimizing a plurality of indexes such as headspace sample volume, temperature, time, gas purge flow rate, and salt ion content; HS-PTR-Q-TOF-MS quickly collects statistical analysis mass spectrometry data of a soy sauce sample at different fermentation stages, and constructs a mass spectrometry database for different soy sauce fermentation stages; and a classification and prediction model is constructed by using a plurality of mathematical models such as PCA, PLS-DA, SVM, ANN, RNN, and random forest, and differential mass spectrometry data of different fermentation stages are determined. Compared with

the conventional technology, the present invention establishes a novel, accurate and rapid method for collecting and predicting a soy sauce sample in different fermentation processes, and better eliminates the time component caused by personnel interference and long-term instrument analysis.

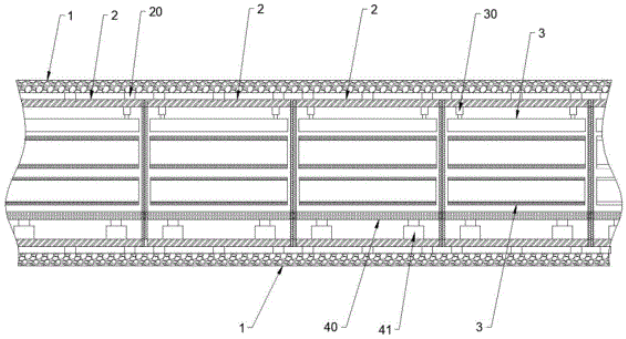


21: 2024/00257. 22: 2024/01/08. 43: 2024/01/29
51: C21C; C22C
71: ÇOLAKOĞLU METALURJİ ANONİM ŞİRKETİ
72: GÜNERDI, Murat, KÜÇÜK, Talip, GÜNDOĞAN, Burhan Burç, DEMİRCİOĞLU, Mehmet Dinçer
54: METHOD FOR IF-INTERSTITIAL FREE STEEL PRODUCTION USING SCRAP IN ARC FURNACE FACILITIES
00: -
The invention relates to interstitial free (IF) steel production using scrap and its production method. In particular, the invention relates to IF steel with improved formability and strength properties and its production method, which is produced using scrap to eliminate the dependence on raw iron ore in IF steel production by using recyclable and reusable resources. The present invention relates to IF steel and its production method, which is produced using 50-100% scrap, which eliminates dependence on raw iron ore in IF steel production by utilizing recyclable, reusable resources.

21: 2024/00327. 22: 2024/01/09. 43: 2024/01/29
51: C05G
71: Jiujiang difulai agriculture science and technology development co., ltd
72: Li Shifeng, Zhang yunhui, Wang kangjie, Lu qunwei, Hu beijuan, Wang Yafan, Qin kangxi
33: CN 31: 202111525328.1 32: 2021-12-14
54: A METHOD FOR PREPARING COMPOSITE BIOFERTILIZER WITH ACTIVE ALGAL CELLS
00: -
A method for preparation and application of a composite biofertilizer with active algal cells comprises: creating a hellebore agglutinin protein culture medium, preparing controlled-release nano-microcapsules, producing initial nutrient solution, and formulating root and foliar composite biofertilizers. This invention, in cultivation, substitutes chemical culture media for algae fertilizers with plant-extracted culture mediums, rendering them safe and non-toxic, while accelerating cultivation time. By applying medical encapsulation technology to algal cells, it enhances their functionality, stability during storage, and increases their yield. In application, it elevates unsaturated fatty acids in fruits, vegetables, and grains, enhances fruit sweetness, reduces pesticide residues in fruits, vegetables, and grains. Additionally, it introduces proteinaceous microalgal cells into the pores of fruits, vegetables, and grains, thereby enhancing consumer immunity, lowering cholesterol, improving blood microcirculation, and boosting brain cell activity while consuming these produce.

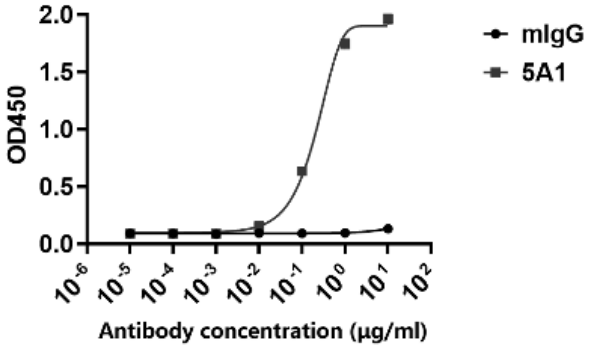
21: 2024/00621. 22: 2024/01/18. 43: 2024/01/29
51: E02D
71: Hebei GEO University
72: Xiuling CAO, Muci YUE, Song CHEN, Jianming LI, Yongkang HOU, Xiaohui JIA, Yucang DONG, Siru ZHANG, Xingkuo WANG, Yunsheng GAO, Qingyao LI
33: CN 31: 2021114667383 32: 2021-12-03
54: MULTI-STAGE SHOCK ABSORPTION AND SEISMIC DEVICE FOR URBAN UNDERGROUND COMPREHENSIVE PIPE TUNNEL
00: -
The invention discloses a multi-stage shock absorption and seismic resistance for urban underground comprehensive pipe tunnel, including a pipe gallery tunnel and pipeline grooves, the inner part of the pipe gallery tunnel is equipped with a multi-segment active cavity, the active cavity includes multiple arc-shaped inner cavity walls. the inner cavity walls are enclosed circlewise to form a pipe shape of the same axis line as the pipe tunnel, the enclosure of each inner cavity wall is equipped

with a sealing elastic contact pad, which is sealed and tightened with each other, the adjacent active cavities are connected end to end to form an inner tunnel body extending with the pipe tunnel, the sealing elastic contact pad is arranged at the joint of the adjacent active cavity to seal and tighten each other, the outer wall of the inner cavity wall facing the inner wall of the pipe tunnel is rotationally fixed on the inner wall of the pipe tunnel by the fixed frame, the pipeline groove is installed on the inner wall of the inner cavity wall through a groove telescopic frame. The inner tunnel body of the invention can swing up and down or left and right as a whole, the segmented active cavity body offsets the impact force of the transverse wave and longitudinal wave of the earthquake on the inner tunnel body, and each inner cavity cylinder wall can resist impact and collapse.



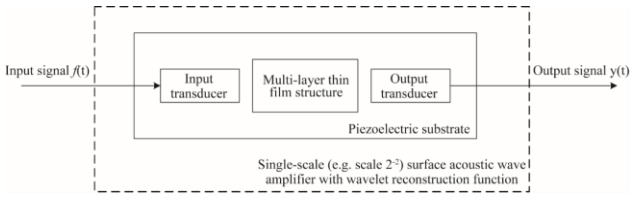
21: 2024/00645. 22: 2024/01/18. 43: 2024/01/29
51: C07C
71: HIMACHAL TEREPENE PRODUCTS PVT. LTD.
72: AKHIL MAHESHWARI
33: IN 31: 202111020017 32: 2021-05-01
54: TERPINEOL WITH CONTROLLED OPTICAL ROTATION FROM GUM TERPENTINE OIL AND PROCESS THEREOF
00: -
The present invention discloses an industrial process for the manufacturing of Terpineol with controlled optical rotation range i.e., -12 degrees to -14 degrees. The Terpineol production process comprises of various steps including, separation of alpha pinene from gum turpentine oil, reaction of alpha pinene with Orthophosphoric acid under a temperature ranging from 50 to 60 degrees C for about 18-20 hours in order to produce crude terpineol, Further, the crude terpineol is subjected to distillation for about 50 to 60 hours to separate final product terpineol. Finally, the boiling point and optical rotation of the extracted product is measured. The product is obtained with a yield greater than 90% and with purity greater than 85%.

21: 2024/00838. 22: 2024/01/24. 43: 2024/02/19
51: A61K; C07K; C12N; G01N; A61P
71: HEFEI TG IMMUNOPHARMA CO., LTD.
72: TIAN, Zhigang, CAO, Guoshuai, XIAO, Weihua, SUN, Rui, SUN, Haoyu
33: CN 31: 202111629693.7 32: 2021-12-28
54: ANTIBODY AND USE THEREOF
00: -
Disclosed is an antibody and use thereof. The antibody or antigen binding fragment includes CDR sequences selected from at least one of heavy-chain variable region CDR sequences: SEQ ID NOs: 1-3; and light-chain variable region CDR sequences: SEQ ID NOs: 4-6. The antibody prepared by the present disclosure can effectively bind to the a3 domain of MICA or MICB, and further, promote the binding of NKG2D to MICA and/or MICB, and can effectively treat or prevent related diseases mediated by MICA and/or MICB, such as promoting the killing of tumors by NK cell.



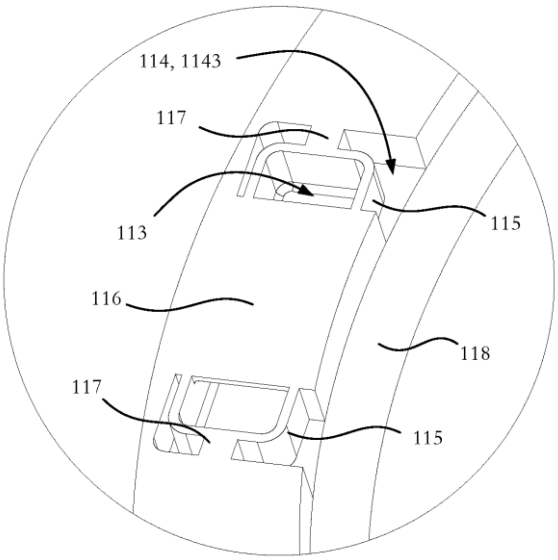
21: 2024/00872. 22: 2024/01/25. 43: 2024/02/19
51: H03H
71: NANTONG UNIVERSITY
72: JIANG, Hua, JIANG, Jianwei, YANG, Yongjie, ZHANG, Guoan
33: CN 31: 202110959332.2 32: 2021-08-20
54: SURFACE ACOUSTIC WAVE AMPLIFIER CAPABLE OF ACHIEVING WAVELET RECONSTRUCTION FUNCTION
00: -
The present invention provides a surface acoustic wave amplifier capable of achieving a wavelet reconstruction function. The surface acoustic wave amplifier is characterized in that: the surface

acoustic wave amplifier has the function of amplifying an input signal, and also has the function of achieving wavelet reconstruction; a gain of the surface acoustic wave amplifier is a positive value, and a frequency response thereof is a frequency response of a wavelet reconstruction function; a multi-layer film structure is used between two transducers of the surface acoustic wave amplifier, and a single-scale wavelet reconstruction processor can be directly achieved by using the single-scale surface acoustic wave amplifier, and a multi-scale wavelet reconstruction processor can be directly achieved by using a variety of surface acoustic wave amplifiers at different single scales together with an adding device. The beneficial effect of the invention is that, no external active operational amplifier, resistor, etc. is required to form a surface-wave-type wavelet reconstruction processor, thus a miniaturized wavelet reconstruction processor can be directly achieved, thereby realizing hardware miniaturization, and reducing the hardware power consumption, and solving the technical problem of it being difficult to apply a surface acoustic wave wavelet reconstruction processor to the field of high-integration and high-performance communication signal processing.



21: 2024/01020. 22: 2024/01/31. 43: 2024/02/19
51: A63H
71: DONGGUAN YUEYING RUBBER CO., LTD.
72: XIONG, Bin
33: CN 31: 202320769008.9 32: 2023-04-07
54: TOY WATER BALL
00: -

A toy water ball includes at least two shells that are enclosable to form a water storage cavity, each of the shells including: a mounting frame, a magnetic member and a water pocket mounted on the mounting frame. The mounting frame includes a first surface and a second surface oppositely arranged in a thickness direction thereof. When the shells are enclosed to form the water storage cavity, magnetic members of adjacent shells attract each other, and second surfaces of adjacent shells abut each other. The mounting frame is provided with an accommodation groove, a notch of the accommodation groove is located on the first surface, the magnetic member is installed in the accommodation groove, and the water pocket is connected to the first surface, and covers the notch of the accommodation groove on the first surface to seal the magnetic member in the mounting frame.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

RECTIFICATION OF THE PATENT REGISTER IN TERMS OF SECTION 52 OF THE PATENTS ACT 57 OF 1978

Notice is hereby given that the Registrar has ordered rectification of the patent register, in respect of South African Patent Application No. **2021/03224**, in the name of **University of the Witwatersrand** and **The Regents of the University of California**, by deleting the following entries**:**

(a) 13/06/2022 – Application accepted on 13/6/2022

(b) 01/09/2022 – Patent granted on 31/08/2022

(c) 01/09/2022 – Patent advertised on 31/08/2022

(d) Acceptance withdrawn on 22/07/2022

Notice is hereby given that the Registrar has ordered rectification of the patent register, in respect of South African Patent Application No. **2022/08032**, in the name of **LG ELECTRONICS INC.**, by deleting the following entries**:**

(a) 20/11/2023 – Application accepted on 20/11/2023

(b) 31/01/2024 – Patent granted on 31/01/2024

(c) 31/01/2024 – Patent advertised on 31/01/2024

(d) Acceptance withdrawn on 23/01/2024

---

the dtic
Department:
Trade, Industry and Competition
REPUBLIC OF SOUTH AFRICA

Private Bag X84, PRETORIA, 0001, the dtic Campus, 77 Meintjies Street, Sunnyside, 0002, Tel: (012) 394 0000
the dtic Customer Contact Centre local: 0861 843 384 International: +27 12 394 9500, www.thedtic.gov.za

NOTIFICATION OF THE PATENT EXAMINATION BOARD IN TERMS OF SECTION 21 OF THE PATENT ACT 1978

THE PATENT EXAMINATION BOARD

The Patent Examination Board, in terms of section 21 of the Patents Act, 1978 (Act No. 57 of 1978), hereby calls for nominations of a course Moderator for the period of three years commencing April 2024 in the following subject:

Selected international patent laws, systems, conventions and treaties – Group 2(g)

Candidates are requested to email their CVs to Ms Sheperd Khanyisa Tjale (PEBSecretariat@thedtic.gov.za), by 8 March 2024.

Dr Mavis Nyatlo
Chairperson
Patent Examination Board

Chairperson : Dr Mavis Nyatlo
Members : Ms Shanaaz Mahomed, Adv Paul Sibisi, Mr Johnny Fiandeiro, Ms Thandiwe Khumalo, Dr Magdalena Kleyn and Ms Mathoto Masetla-Mafa
Secretariat : Ms Sheperd Khanyisa Tjale: PEBSecretariat@thedti.gov.za

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 2024/01/29 -

F2024/00110 - HUNTER, Adrian Robert Class 16. AN OPTICS SUPPORT

A2024/00108 - Terex India Private Limited Class 12. CRANES

F2024/00109 - JOOSTE, Frans Class 8. HINGE REPAIR PLATES

. - APPLIED ON 2024/01/30 -

A2024/00114 - SMEG S.p.A. Class 7. COFFEE MACHINES

A2024/00111 - Diageo Brands B.V. Class 9. BOTTLE

A2024/00113 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

A2024/00115 - PEALE, Gift Class 06. A BED

A2024/00112 - Chery Automobile Co., Ltd. Class 12. AUTOMOBILES

F2024/00116 - PALE, Gift Class 06. A BED

. - APPLIED ON 2024/01/31 -

F2024/00119 - CILLIERS, Andries, Carel Class 10. VEHICLE PEDAL LOCK

F2024/00121 - Omni United (S) PTE Ltd. Class 10. TYRE TREAD DEPTH INDICATORS

A2024/00120 - Omni United (S) PTE Ltd. Class 10. TYRE TREAD DEPTH INDICATORS

F2024/00122 - MEDNOM INVESTMENTS CC Class 04. CLEANING BRUSH

. - APPLIED ON 2024/02/01 -

F2024/00125 - FARRELL, Gerhardus van Coppenhagen Class 13. SOLAR PANEL BRACKETS

A2024/00129 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

F2024/00135 - VIA - VEDANTES INOVADORES, LDA. Class 09. BOTTLE CAP AND BOTTLE NECK

A2024/00136 - VIA - VEDANTES INOVADORES, LDA. Class 09. BOTTLE CAP WITH STOPPER AND BOTTLE NECK

F2024/00124 - FARRELL, Gerhardus van Coppenhagen Class 13. SOLAR PANEL BRACKETS

F2024/00137 - VIA - VEDANTES INOVADORES, LDA. Class 09. BOTTLE CAP WITH STOPPER AND BOTTLE NECK

A2024/00127 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

A2024/00138 - VIA - VEDANTES INOVADORES, LDA. Class 09. BOTTLE CAP AND BOTTLE NECK

A2024/00132 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

A2024/00123 - Nthati Tsotetsi Class 11. ZULU HAT PENDANT (ISICHOLO)

A2024/00133 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

A2024/00131 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

A2024/00128 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTINGS

A2024/00130 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

F2024/00126 - FARRELL, Gerhardus van Coppenhagen Class 13. SOLAR PANEL BRACKETS

A2024/00134 - HANGZHOU MICROIMAGE SOFTWARE CO., LTD. Class 14. GRAPHICAL USER INTERFACE FOR IMAGE CAPTURING AND CAPTURING PARAMETER SETTING

. - APPLIED ON 2024/02/02 -

A2024/00152 - Imdex Technologies Pty Ltd Class 8. DOWNHOLE TOOL COMMUNICATION DEVICES

A2024/00148 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00144 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00143 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2024/00142 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2024/00154 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00153 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00151 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00150 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00149 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00146 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00140 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00141 - Imdex Technologies Pty Ltd Class 8. ADAPTORS FOR DOWNHOLE TOOL COMMUNICATION DEVICES

A2024/00139 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

A2024/00147 - Crocs, Inc. Class 2. FOOTWEAR

A2024/00145 - Bridgestone Europe NV/SA Class 12. TYRES AND TYRE TREADS

. - APPLIED ON 2024/02/05 -

A2024/00155 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 10. FLOW SENSOR FOR A SOLID MATERIAL APPLICATOR

A2024/00156 - Manelisi Shabalala Class 12. SEAT BELT DETECTOR SYSTEM

A2024/00180 - Siyamthanda Luyanda Mchunu Class 01. MEYVEN BOTTLE 1

. - APPLIED ON 2024/02/06 -

A2024/00164 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00163 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00162 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00170 - Tebogo Kotsi Class 32. FREE STATE CAMPOUT EXPERIENCE

A2024/00169 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00160 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00157 - Ntokozo Thabiso Mole Class 02. SAFETY

A2024/00161 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00158 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00171 - Dwanel pty ltd Class 29. MOTORCYCLE VISOR WITH BUILT IN CELLPHONE HOLDER

A2024/00159 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00168 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00165 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00166 - Caterpillar Inc. Class 15. PISTON PUMPS

A2024/00167 - Caterpillar Inc. Class 15. PISTON PUMPS

. - APPLIED ON 2024/02/08 -

A2024/00172 - Isuzu Motors Limited Class 12. VEHICLES

. - APPLIED ON 2024/02/09 -

A2024/00173 - UPL Mauritius Limited Class 9. CONTAINERS

A2024/00176 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

A2024/00175 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

A2024/00179 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

A2024/00177 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

A2024/00174 - UPL Mauritius Limited Class 9. CONTAINERS

A2024/00178 - KalVista Pharmaceuticals Limited Class 28. PHARMACEUTICAL TABLETS

. - APPLIED ON 2024/02/13 -

F2024/00201 - Bonga Ntunta, Nathene Samuels Class 03. C.I.T.D CHEF BACKPACK

F2024/00181 - Spectur Limited Class 10. POLE-MOUNTABLE SECURITY SYSTEMS

. - APPLIED ON 2024/02/14 -

A2024/00182 - Turlen Holding SA Class 10. WATCHES

. - APPLIED ON 2024/02/15 -

A2024/00183 - VAN DAM, Rodney Cornel Class 25. AN EDGE PROFILE

A2024/00184 - VAN DAM, Rodney Cornel Class 25. AN EDGE PROFILE

. - APPLIED ON 2024/02/16 -

A2024/00193 - ICC Business Corporation FZ LLC Class 20. MASCOTS

A2024/00192 - Automobili Lamborghini S.p.A. Class 12. VEHICLES

F2024/00186 - RSI NORTH AMERICA, INC. Class 12. DOOR FOR A SIDE PANEL

A2024/00194 - ICC Business Corporation FZ LLC Class 20. MASCOTS

A2024/00198 - OLA ELECTRIC MOBILITY PRIVATE LIMITED Class 12. MOTORCYCLE

A2024/00185 - RSI NORTH AMERICA, INC. Class 12. DOOR FOR A SIDE PANEL

A2024/00195 - ICC Business Corporation FZ LLC Class 20. MASCOTS

A2024/00187 - BOOSTAINER PROPRIETARY LIMITED Class 9. TRAYS

F2024/00191 - GIFFORD, Jason Laurence Class 15. GAS DRYER

F2024/00190 - GIFFORD, Jason Laurence Class 23. BIOLOGICAL DESULPHURISATION VESSEL

F2024/00188 - BOOSTAINER PROPRIETARY LIMITED Class 9. TRAYS

A2024/00196 - ICC Business Corporation FZ LLC Class 20. MASCOTS

F2024/00189 - BOOSTAINER PROPRIETARY LIMITED Class 9. TRAYS

A2024/00197 - Automobili Lamborghini S.p.A. Class 21. MODEL VEHICLES

. - APPLIED ON 2024/02/19 -

F2024/00200 - BEKKER, Bleida Class 24. PANTY LINER

A2024/00199 - AF BRANDS (PTY) LTD Class 09. A SET OF ARTICLES FORMING A BOTTLE

. - APPLIED ON 2024/02/20 -

A2024/00206 - BLANCPAIN S.A. Class 10. WATCH

A2024/00204 - GREEN OX PALLET TECHNOLOGY, LLC Class 9. FOLDABLY CONSTRUCTED PALLET BOTTOM

A2024/00202 - SCHRÉDER S.A. Class 26. A LIGHTING APPARATUS

A2024/00208 - BLANCPAIN S.A. Class 10. WATCH

A2024/00207 - BLANCPAIN S.A. Class 10. WATCH

A2024/00209 - BLANCPAIN S.A. Class 10. WATCH

A2024/00210 - YETI COOLERS, LLC Class 7. PAD OR COASTER FOR DRINKWARE

A2024/00205 - BLANCPAIN S.A. Class 10. WATCH

A2024/00203 - SCHRÉDER S.A. Class 26. A LIGHTING APPARATUS

. - APPLIED ON 2024/02/21 -

A2024/00211 - BLANCPAIN S.A. Class 3. WATCH BOX

A2024/00212 - Nicole Lisa Lawrence Class 32. SLA LOGO COPYRIGHT

. - APPLIED ON 2024/02/22 -

A2024/00219 - terome naidoo Class 03. SINGLE CONTINUOUS FLEXIBLE STRAP FOR SANDAL UPPER

A2024/00215 - J & D Brush Co.,LLC Class 04. BRUSH

A2024/00216 - TVS MOTOR COMPANY LIMITED Class 12. TWO-WHEELED VEHICLE

A2024/00214 - J & D Brush Co.,LLC Class 04. BRUSH

F2024/00218 - BENSON, Gerhardus Jacobus Class 23. WATER HEATERS

A2024/00217 - DECATHLON Class 3. SPORTS BAG

A2024/00213 - CLABER S.p.A. Class 23. SPRAY BOTTLE

F2024/00220 - SYNERGISTEC (PTY) LTD Class 13. RAIL

. - APPLIED ON 2024/02/23 -

F2024/00221 - SYNERGISTEC (PTY) LTD Class 25. RAIL

A2024/00222 - Versuni Holding B.V. Class 07. EGG BOILER

CHANGE OF NAME IN TERMS OF REGULATION 24

No records available

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

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART 1. AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART 1

Design No. F2023/01125
Applicant: DERMAPHARM AG
Class: 24
Article to which the Design is to be applied: APPARATUS FO THERMOTHERAPY
Date of lodgment: 19/04/2023

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

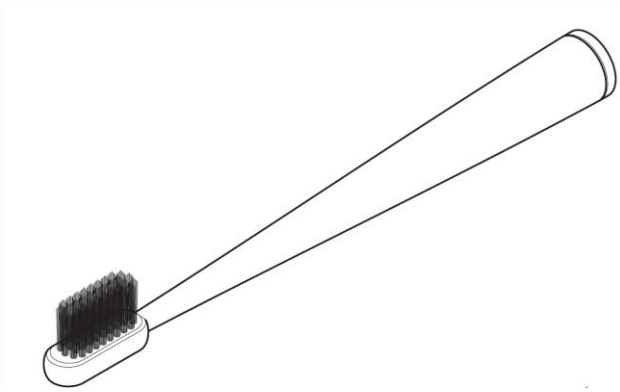
The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** 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.

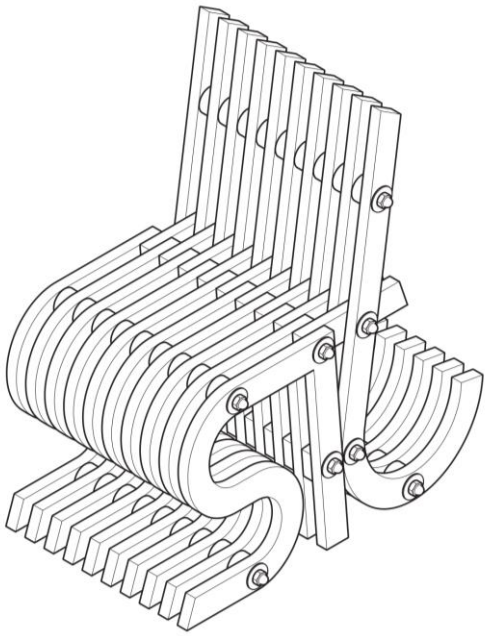
N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2020/01248 22: 2020-09-18 23:
43: 2021-05-24
52: Class 04 24: Part A
71: Chrismarie Barnardt
54: BRUSH
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 brush as shown in the accompanying representations.

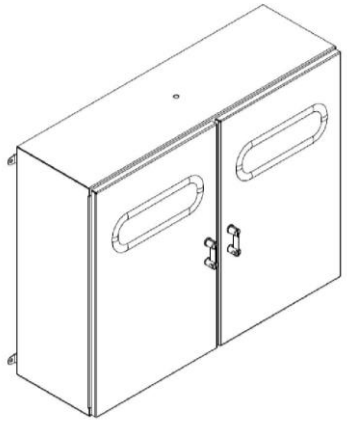


21: A2021/00087 22: 2021-02-04 23:
43: 2021-09-21
52: Class 06 24: Part A
71: Ocean-i (Pty) Ltd
54: A SEAT
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a SEAT as shown in the accompanying representations.



PERSPECTIVE VIEW

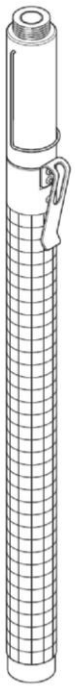
21: A2021/00110 22: 2021-02-11 23:
43: 2022-09-02
52: Class 13 24: Part A
71: Big C Rock Engineering CC
54: BATTERY CHARGER HOUSINGS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a battery charger housing as shown in the accompanying representations.



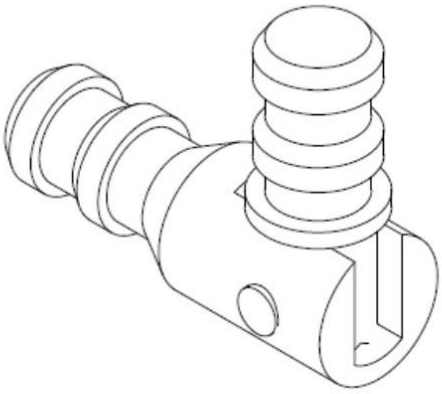
PERSPECTIVE VIEW

21: A2021/00140 22: 2021-02-15 23:
43: 2021-09-21
52: Class 26 24: Part A
71: Big C Rock Engineering CC
54: ELECTRIC TORCHES
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and/or ornamentation of an electric torch as shown in the accompanying representations.

3D VIEW

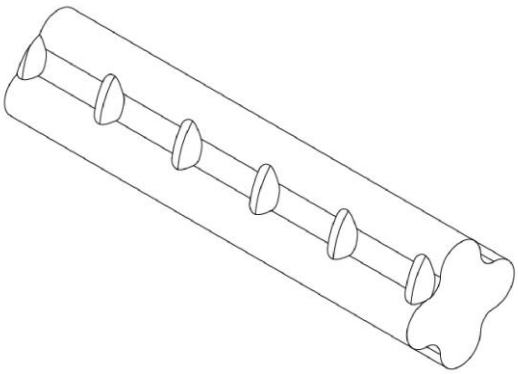


21: A2021/00461 22: 2021-04-29 23:
43: 2022-09-02
52: Class 08 24: Part A
71: RSC Mining (Pty) Ltd
54: A COUPLER
57: The features of the design for which novelty is claimed are the shape and / or configuration a COUPLER as shown in the accompanying representations.



PERSPECTIVE VIEW (ASSEMBLED)

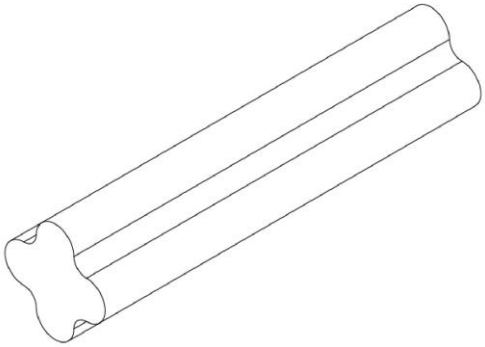
21: A2021/00497 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part A
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a ROCK BOLT as shown in the accompanying representations.



PERSPECTIVE VIEW

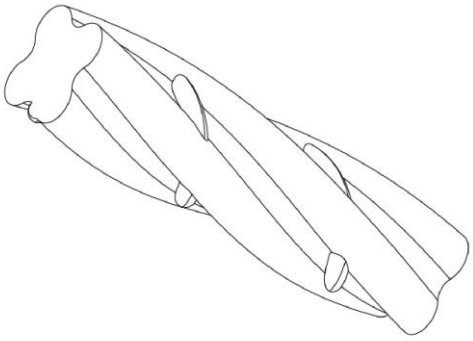
21: A2021/00499 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part A
71: RSC Mining (Pty) Ltd

54: A ROCK BOLT
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 ROCK BOLT as shown in the accompanying representations.



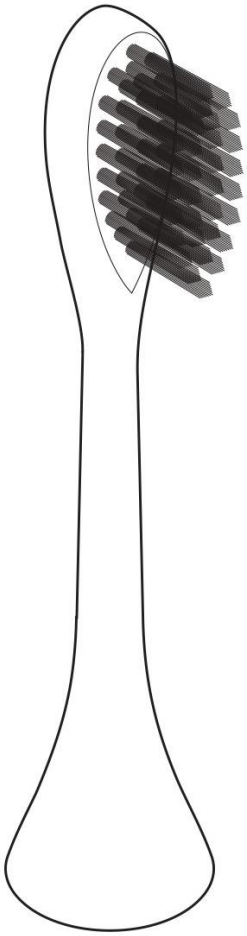
PERSPECTIVE VIEW

21: A2021/00501 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part A
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT
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 ROCK BOLT as shown in the accompanying representations.



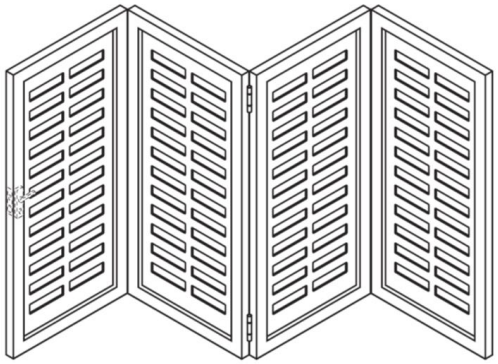
PERSPECTIVE VIEW

21: A2021/00708 22: 2021-06-17 23:
43: 2021-07-21
52: Class 04 24: Part A
71: BARNARDT, Chrismarie
54: BRUSH
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 BRUSH as shown in the accompanying representations, irrespective of the features shown in broken lines.

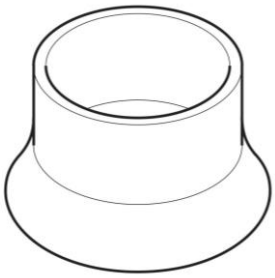


(a)

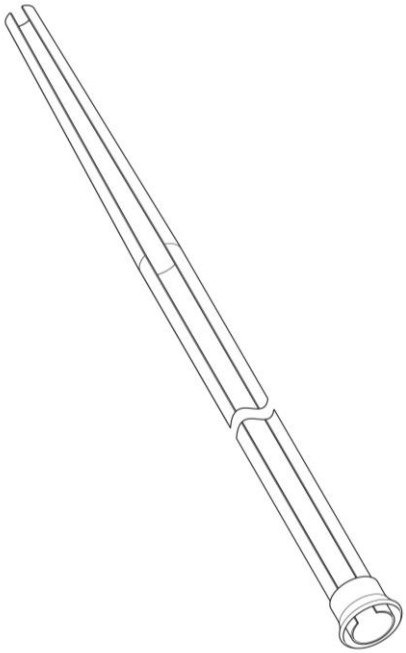
21: A2021/01491 22: 2021-11-30 23:
43: 2022-09-02
52: Class 25 24: Part A
71: WALTON, Richard Graham
54: DOOR ASSEMBLY
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a DOOR ASSEMBLY as shown in the accompanying representations.



21: A2022/00926 22: 2022-08-12 23:
43: 2023-03-03
52: Class 08 24: Part A
71: RSC MINING (PTY) LTD
54: COLLAR FOR A FRICTION STABILISER BOLT
57: The design relates to a collar for a friction stabiliser bolt, the features of the design are those of shape and/or configuration of the collar.



21: A2022/00928 22: 2022-08-12 23:
43: 2023-03-03
52: Class 25 24: Part A
71: RSC MINING (PTY) LTD
54: A FRICTION STABILISER BOLT
57: The design relates to a friction stabiliser bolt, the features of the design are those of shape and/or configuration of the bolt



21: A2023/00272 22: 2023-02-24 23:
43: 2022-08-25
52: Class 9 24: Part A
71: TW America Inc.
33: US 31: 29/851,151 32: 2022-08-25
54: CONTAINERS
57: The design is for a container comprising a rectangular body having a front wall and a rear wall separated by opposing side walls that extend upwardly from a rectangular base. An outwardly protruding rectangular frame with an undulating inner wall is formed at a top end of the walls. Two corners of an upper surface of the frame define a rectangular recess and two corners include a rectangular protrusion. A curved corner of each lower surface of the frame and a midpoint of the lower surface of each side of the frame include a downwardly protruding extension. The base includes undulating sides with a spaced-apart short leg extending downwardly form each curved corner and form a midpoint of each side of the base.

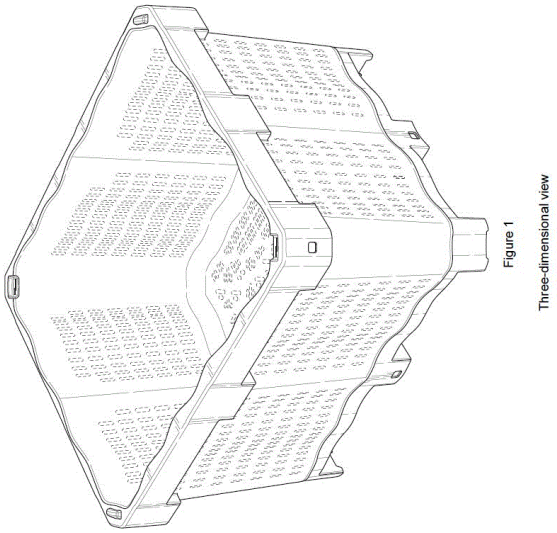


Figure 1
Three-dimensional view

21: A2023/00371 22: 2023-03-16 23:
43: 2022-10-05
52: Class 8 24: Part A
71: CISA S.p.A.
33: EM(IT) 31: 009197643-0001 32: 2022-10-05
54: LOCKS
57: The design is for a lock, in particular a modular lock. The lock has a body including a central, substantially rectangular prism part; an upper, circular part; and a lower, half-obround part. An upper, front side of the body includes concentric rings defining a bore and an inner, part-circular ring. An upper, rear side of the body defines a circular bore accommodating a pair of opposite, outwardly protruding lugs. Inwardly recessed concentric rings that define a bore are provided on a front side of the central part. An outer, inwardly recessed ring on the central part defines a passage opening on a shoulder separating the central and lower parts. A lower, front side of the body includes inwardly recessed concentric circles that define a bore. A lower, rear side of the body has an outwardly extending circular ring that defines a bore.

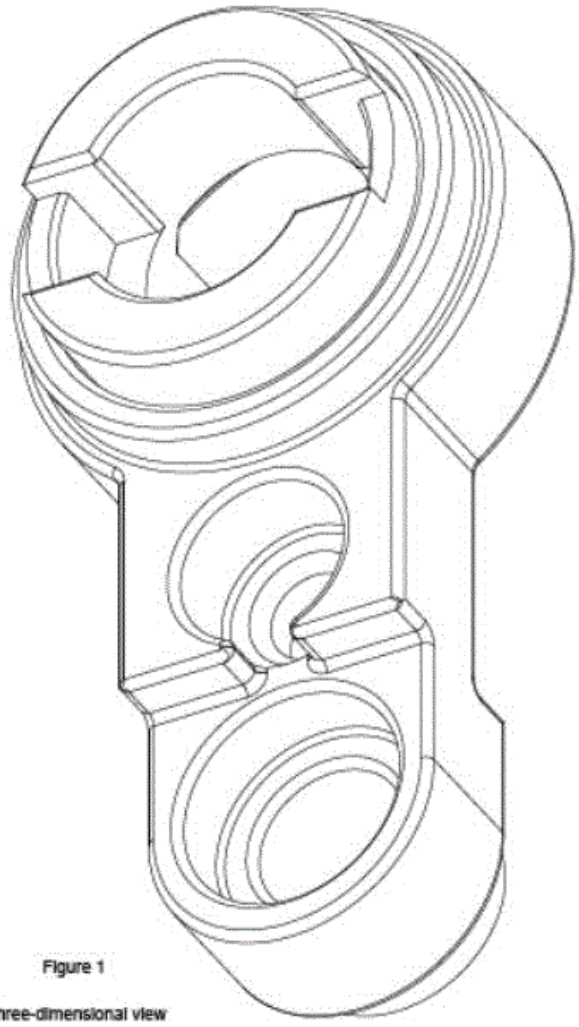


Figure 1
Three-dimensional view

21: A2023/00372 22: 2023-03-16 23:
43: 2022-10-05
52: Class 8 24: Part A
71: CISA S.p.A.
33: EM(IT) 31: 009197643-0002 32: 2022-10-05
54: LOCKS
57: The design is for a lock, in particular a modular lock. The lock has a body including a central, substantially rectangular prism part; an upper, circular part; and a lower, half-obround part. An upper, front side of the body defines a bore accommodating opposed semi-circular members and a central cylindrical member accommodated between the opposed semi-circular members. Opposed plates extend outwardly from the sides of the central cylindrical member. A cylindrical part protrudes centrally outwardly from an upper circular face of the central cylindrical member. An upper, rear side of the body defines a circular hollow opening accommodating a pair of opposite,

outwardly protruding lugs. A circular bore is provided on a front side of the central part. A passage opening is provided on a shoulder separating the central and lower parts. A lower, front side of the body defines a bore. A lower, rear side of the body has an outwardly extending circular ring that defines a bore.

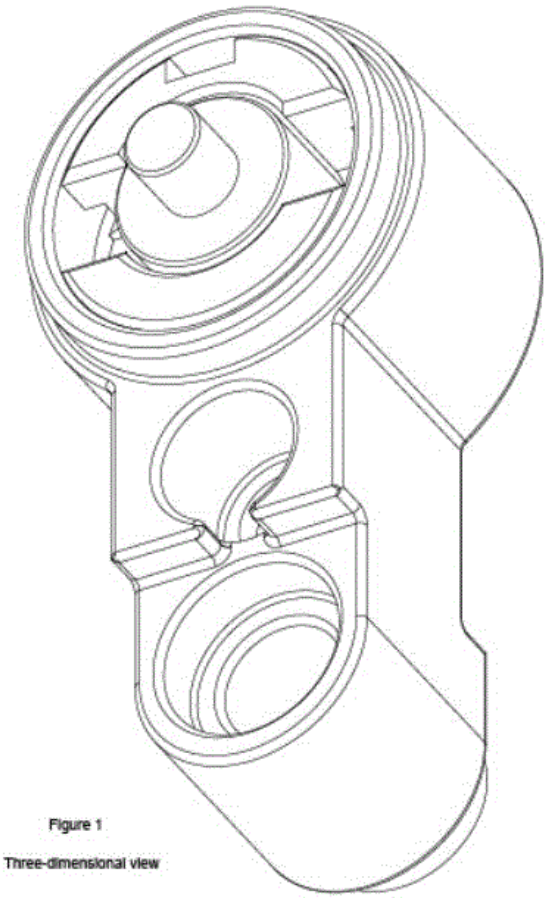


Figure 1

Three-dimensional view

21: A2023/00377 22: 2023-03-17 23:
43: 2023-12-01
52: Class 15 24: Part A
71: SANDVIK MINING AND CONSTRUCTION OY
33: EM 31: 009179187-0002 32: 2022-09-20
54: A DRILL RIG
57: The design for which protection is claimed relates to a drill rig shown in perspective front view in the drawing showing the overall appearance thereof.



21: A2023/00381 22: 2023-03-17 23:
43: 2022-09-20
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402022100704.3 32: 2022-09-20
54: MOTOR VEHICLES
57: The design is for a motor vehicle, particularly a four-door sedan having an elongate body. A front defines a pair of separate wing-shaped grilles with integrated headlights with upper flank portions which taper rearwardly. A bonnet is defined by a central shallow V-shaped groove with either side extending rearward and outward from the upper, inner side of each grille. A skirt is provided between front and rear wheel arches and further extends beyond the front wheel forming part of a splitter and beyond the rear wheel forming part of a diffuser. A roof of the motor vehicle is gently curved to a rear window. A trunk includes rear lights along an upper portion of its rear along its width. Each side includes a contour line which is angled slightly rearwardly upwards from the centre of the front wheel arch.

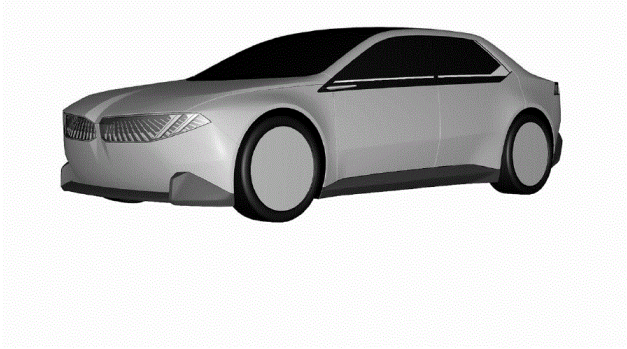


Figure 1

Three-dimensional view

21: A2023/00382 22: 2023-03-17 23:
43: 2022-09-20
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402022100705.1 32: 2022-09-20
54: MOTOR VEHICLES
57: The design is for a motor vehicle, particularly a four-door sedan having an elongate body. A front defines a pair of separate wing-shaped grilles with integrated headlights with upper flank portions which taper rearwardly. A bonnet is defined by a central shallow V-shaped groove with either side extending rearward and outward from an upper, inner side of each grille. A roof of the motor vehicle is gently curved to a rear window. A trunk includes rear lights along an upper portion of its rear along its width. Each side includes a contour line and a marking line angled slightly rearwardly upwards from a front wheel arch. The contour lines continues around the

front and trunk while the marking line continue around the trunk and briefly in front of the front wheel arches. A front is angled upwardly forwardly while a lower portion of the rear beneath the contour line is angled obliquely.

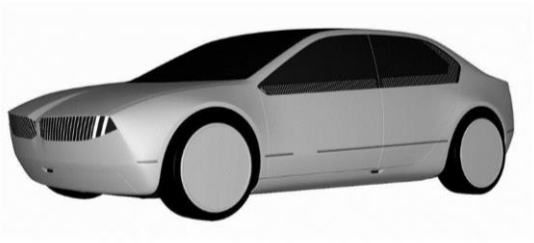
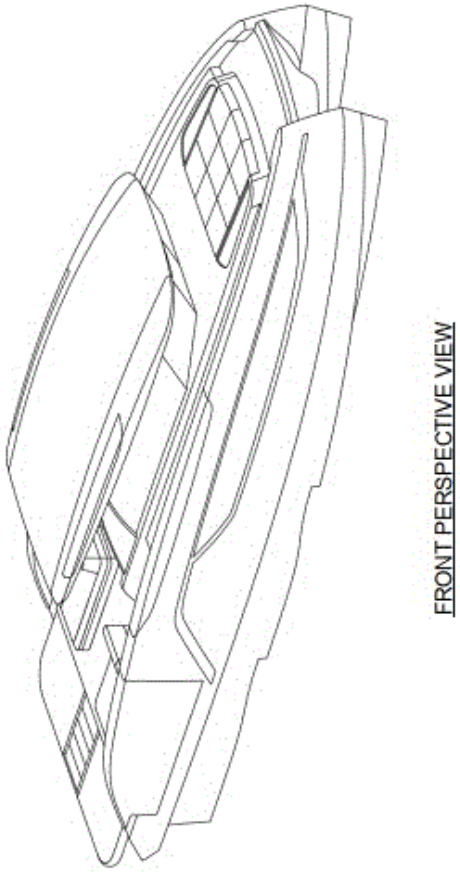


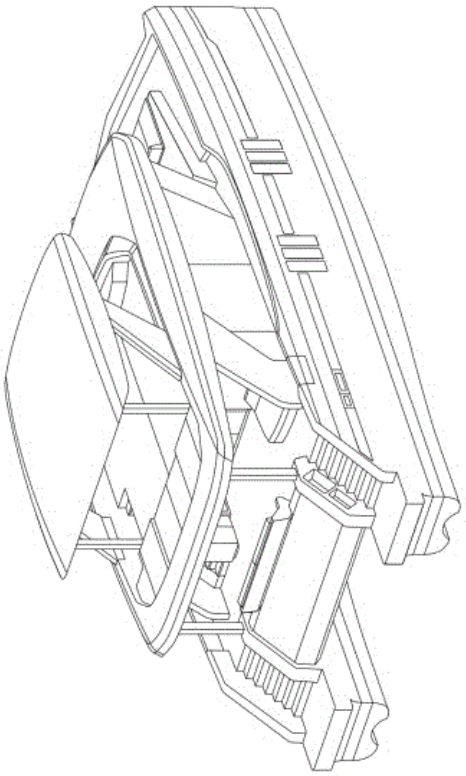
Figure 1

Three-dimensional view

21: A2023/00479 22: 2023-04-17 23:
43: 2023-11-14
52: Class 12 24: Part A
71: SUNREEF VENTURE S.A.
33: EU 31: 015014935-0001 32: 2023-03-17
54: YACHT
57: The design is to be applied to a yacht. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



21: A2023/00480 22: 2023-04-17 23:
43: 2023-11-14
52: Class 12 24: Part A
71: SUNREEF VENTURE S.A.
33: EU 31: 015014935-0002 32: 2023-03-17
54: YACHT
57: The design is to be applied to a yacht. The features for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the representations.



21: A2023/00502 22: 2023-04-19 23:
43: 2023-12-18
52: Class 12 24: Part A
71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD
33: US 31: 29/857,249 32: 2022-10-20
54: SIDE GLASS
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 side glass substantially as illustrated in the accompanying representations, irrespective of the features shown in broken lines.

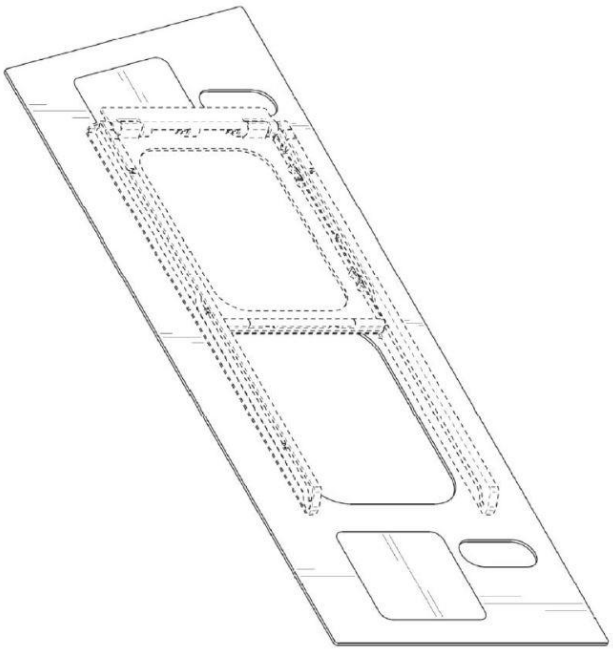


Figure 1

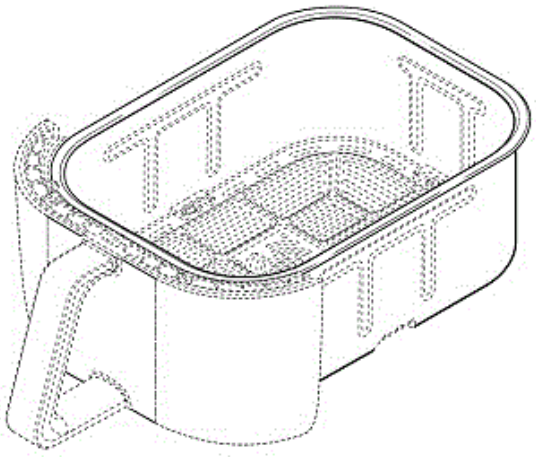
Perspective View

21: A2023/00503 22: 2023-04-20 23:
43: 2023-04-20
52: Class 12 24: Part A
71: SUPERCART SOUTH AFRICA (PTY) LTD
54: TROLLEY ARRANGEMENT
57: The design is applied to a trolley arrangement comprising an all plastic shopping trolley to which side sticker sheets may be fitted, the trolley being sized for use by children. The features of the design for which protection is claimed include the shape and/or configuration of a trolley arrangement, substantially as illustrated in the accompanying representations.



Three-dimensional view from front

21: A2023/00510 22: 2023-04-25 23:
43: 2023-12-18
52: Class 7. 24: Part A
71: INSTANT BRANDS HOLDINGS INC.
33: US 31: 29/868,688 32: 2022-12-12
54: Air Fryer Drawer
57: The design relates to an air fryer drawer. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00547 22: 2023-05-05 23:
43: 2022-11-07
52: Class 10 24: Part A
71: Turlen Holding SA
33: HSIRID(CH) 31: DM/225004 32: 2022-11-07
54: WATCHES
57: The design is for a watch and comprises a case with front convex and rear concave faces. Each face has parallel top and bottom edges and convex side edges extending there between. The case's edges accommodate mechanical fasteners extending between the front and rear faces. Sidewalls extend between the front and back faces. A large, fluted crown with gothic claws is fitted on one of the sidewalls at the 3 o'clock position. The sidewalls define recessed rectangular portions with a pattern of pyramidal elements. Front and back windows are provided over the front and back faces and reveal the mechanical innards of the watch. Innards are "trapped" inside a skeleton human hand and hands which define openings are visible through the front window. A tourbillon is provided at the 12 o'clock position.

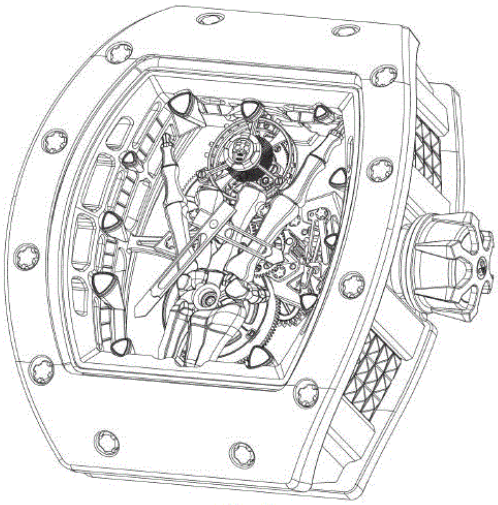


Figure 1

Three-dimensional view

21: A2023/00548 22: 2023-05-08 23:
43: 2023-12-18
52: Class 21 24: Part A
71: WILLIAMS, Darielle Dimone
33: US 31: 29/867,845 32: 2022-11-10
54: AERIAL ACROBATIC APPARATUS
57: The design is to be applied to an aerial acrobatic apparatus. 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 are for illustrative purposes only and form no part of the claimed design.



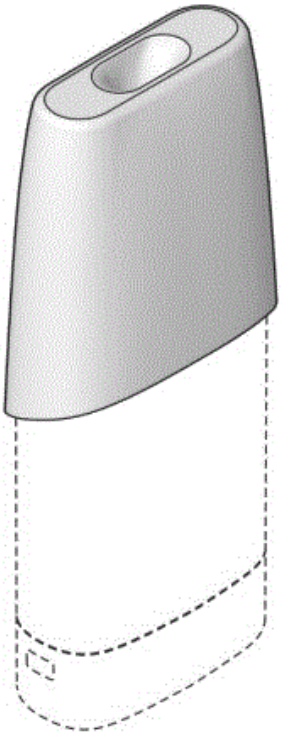
TOP PERSPECTIVE VIEW

21: A2023/00583 22: 2023-05-17 23:
43: 2023-12-01
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015005703-0015 32: 2022-12-09
54: ELECTRONIC CIGARETTE
57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



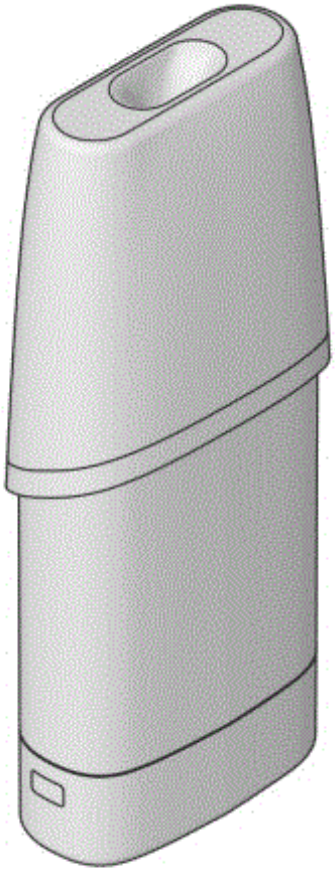
PERSPECTIVE VIEW

21: A2023/00584 22: 2023-05-17 23:
43: 2023-12-01
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015005703-0016 32: 2022-12-09
54: ELECTRONIC CIGARETTE CONSUMABLE
57: The design is to be applied to an electronic cigarette consumable. 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 in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



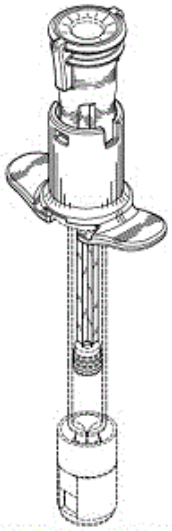
PERSPECTIVE VIEW

21: A2023/00585 22: 2023-05-17 23:
43: 2023-12-01
52: Class 27 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015005703-0017 32: 2022-12-09
54: ELECTRONIC CIGARETTE CONSUMABLE
57: The design is to be applied to an electronic cigarette consumable. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



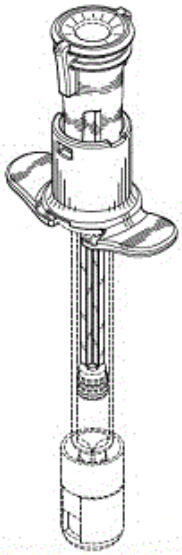
PERSPECTIVE VIEW

21: A2023/00586 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Dose Delivery Device
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



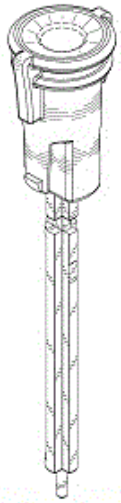
FRONT RIGHT PERSPECTIVE VIEW FIRST CONFIGURATION

21: A2023/00587 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Dose Delivery Device
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



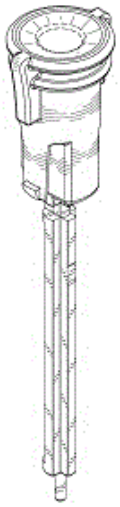
FRONT RIGHT PERSPECTIVE VIEW FIRST CONFIGURATION

21: A2023/00588 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Part of a Dose Delivery Device
57: The design relates to a part of a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



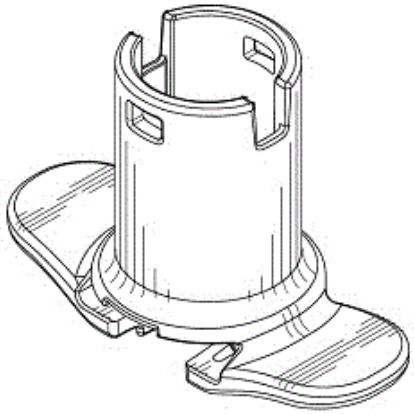
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00589 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Part of a Dose Delivery Device
57: The design relates to a part of a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



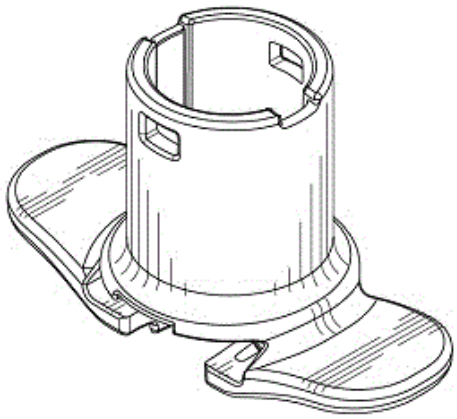
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00590 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Part of a Dose Delivery Device
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



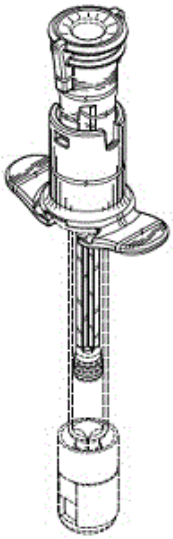
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00591 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Part of a Dose Delivery Device
57: The design relates to a part of a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



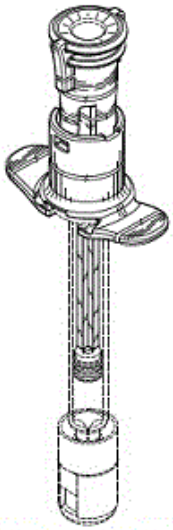
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00592 22: 2023-05-17 23:
43: 2023-12-01
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Dose Delivery Device
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



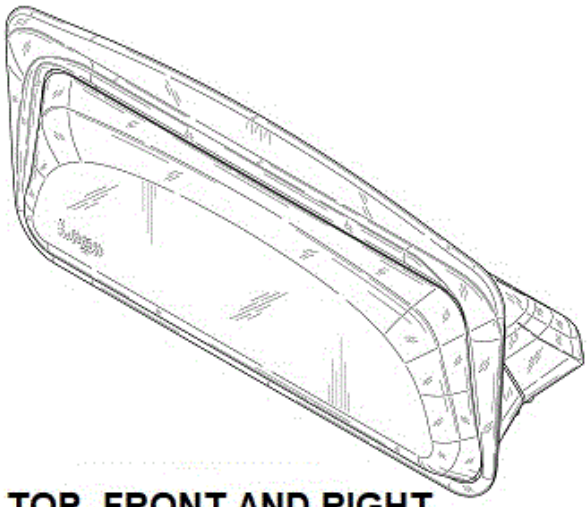
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00593 22: 2023-05-17 23:
43: 2023-12-14
52: Class 24. 24: Part A
71: REGENERON PHARMACEUTICALS, INC.
33: US 31: 29/868,089 32: 2022-11-30
54: Dose Delivery Device
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



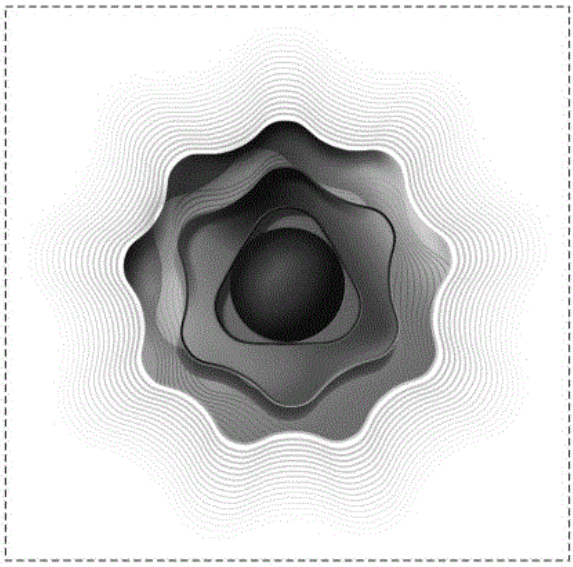
FRONT RIGHT PERSPECTIVE VIEW

21: A2023/00594 22: 2023-05-17 23:
43: 2023-12-14
52: Class 7. 24: Part A
71: STASHER, INC.
33: US 31: 29/860,291 32: 2022-11-17
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.



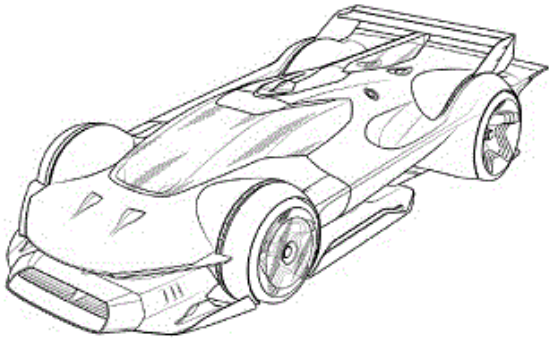
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00595 22: 2023-05-17 23:
43: 2023-12-01
52: Class 32 24: Part A
71: PHILIP MORRIS PRODUCTS S.A.
33: EU 31: 015005697-0004 32: 2022-12-09
54: LOGO, ORNAMENTATION, GRAPHIC SYMBOL, GRAPHIC DESIGN OR SURFACE PATTERN, FOR EXAMPLE FOR PACKAGING, IN PARTICULAR FOR PACKAGING FOR TOBACCO RELATED PRODUCTS, SUCH AS TOBACCO HEATING CONSUMABLES
57: The design is to be applied to a logo, ornamentation, graphic symbol, graphic design or surface pattern, for example for packaging, in particular for packaging for tobacco related products, such as tobacco heating consumables. 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. Grayscale areas of the ornamentation show areas of higher or lower contrast compared with brighter or darker adjacent areas. The ornamentation shall not be limited to the colour gray, but may encompass any sort of colour or combination of colours.



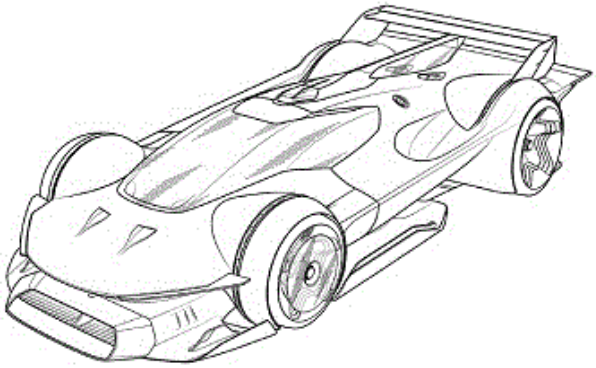
FRONT VIEW

21: A2023/00596 22: 2023-05-18 23: 2022-11-27
43: 2023-12-01
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/225118 32: 2022-11-21
54: Car
57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2023/00597 22: 2023-05-18 23: 2022-11-27
43: 2023-12-01
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: DM/225330 32: 2022-11-21
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: A2023/00598 22: 2023-05-18 23:
43: 2022-12-12
52: Class 7 24: Part A
71: Société des Produits Nestlé S.A.
33: CH 31: 147103 32: 2022-12-12
54: COFFEE MACHINES
57: The design is for a coffee machine having an upright semi-cylindrical rear portion, opposite rectangular side walls, and an upper semicylindrical portion extending across a top of the coffee machine between a front portion and the rear portion of the coffee machine. A circular face is provided on a front portion of the upper semicylindrical portion. An arcuate dispenser having an arcuate front wall and substantially triangular-shaped opposite side walls projects from the circular face. A semi hoop extends from the upper sides of the coffee machine and surrounds the dispenser portion. A front central portion of the coffee machine is grated. A drip tray, having a grated upper surface, is provided on the front of the coffee machine. The drip tray faces an outlet of the arcuate dispenser portion and is supported by a body having an upwardly inclined base, triangular-shaped side walls and a rectangular shaped front wall.

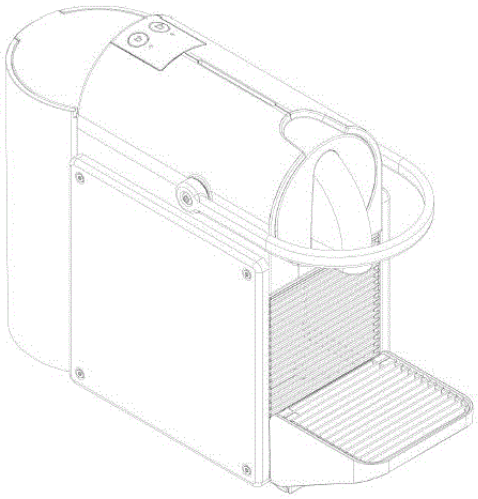
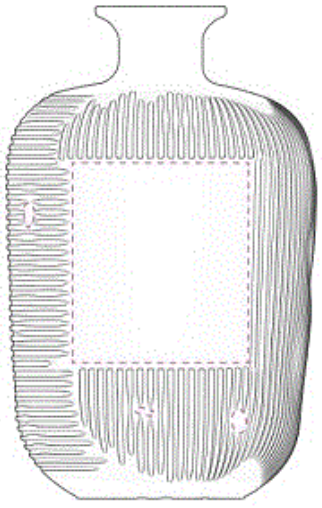


Figure 1

Three-dimensional view

21: A2023/00600 22: 2023-05-22 23:
43: 2023-12-01
52: Class 9. 24: Part A
71: ISLE OF HARRIS DISTILLERS LIMITED
33: IB 31: DM/228325 32: 2023-04-03
54: Bottle
57: The design relates to a bottle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT VIEW

21: A2023/00612 22: 2023-05-24 23:
43: 2023-01-18
52: Class 28 24: Part A
71: Novo Nordisk A/S
33: US 31: 29/882,776 32: 2023-01-18
54: TABLETS
57: The design is for a tablet for oral treatment of obesity. The tablet has a three-dimensional oval-shaped body that has a flattened side profile defining opposing first and second major faces. In plan view, each face has a generally oval-shaped profile. A peripheral band encircles the pill between the faces. One of the major faces has a figure “25” engraved, printed or formed thereon which represents the strength of the tablet.

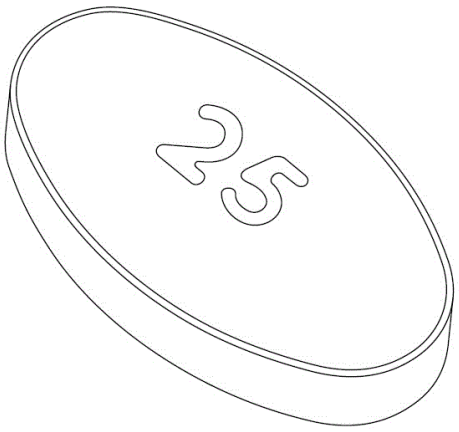


Figure 1

Three-dimensional view

21: A2023/00613 22: 2023-05-24 23:
43: 2023-01-18
52: Class 28 24: Part A
71: Novo Nordisk A/S
33: US 31: 29/882,776 32: 2023-01-18
54: TABLETS
57: The design is for a tablet for oral treatment of obesity. The tablet has a three-dimensional oval-shaped body that has a flattened side profile defining opposing first and second major faces. In plan view, each face has a generally oval-shaped profile. A peripheral band encircles the pill between the faces. One of the major faces has a figure “50” engraved, printed or formed thereon which represents the strength of the tablet.

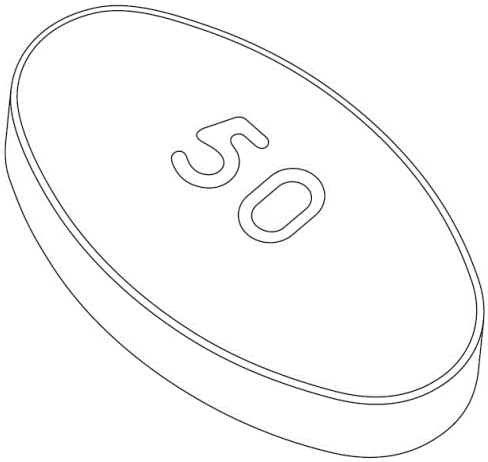


Figure 1

Three-dimensional view

21: A2023/00614 22: 2023-05-24 23:
43: 2023-01-18
52: Class 28 24: Part A
71: Novo Nordisk A/S
33: US 31: 29/882,776 32: 2023-01-18
54: TABLETS
57: The design is for a tablet for oral treatment of diabetes. The tablet has a three-dimensional round-shaped body that has a flattened side profile defining opposing first and second major faces. In plan view, each face has a generally round-shaped profile. A peripheral band encircles the pill between the faces. One of the major faces has a figure “1.5” engraved, printed or formed thereon which represents the strength of the tablet.

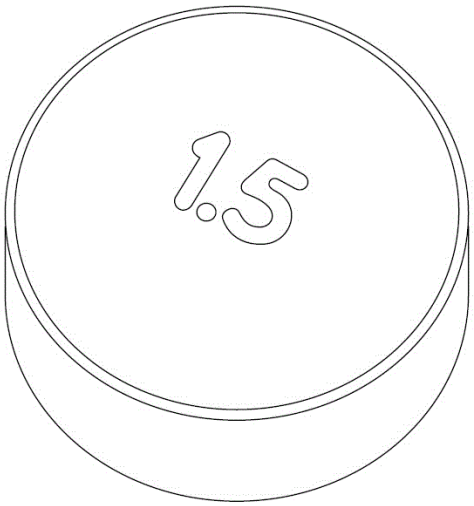


Figure 1

Three-dimensional view

21: A2023/00615 22: 2023-05-24 23:
43: 2023-01-18
52: Class 28 24: Part A
71: Novo Nordisk A/S
33: US 31: 29/882,776 32: 2023-01-18
54: TABLETS
57: The design is for a tablet for oral treatment of diabetes. The tablet has a three-dimensional round-shaped body that has a flattened side profile defining opposing first and second major faces. In plan view, each face has a generally round-shaped profile. A peripheral band encircles the pill between the faces. One of the major faces has a figure “4” engraved, printed or formed thereon which represents the strength of the tablet.

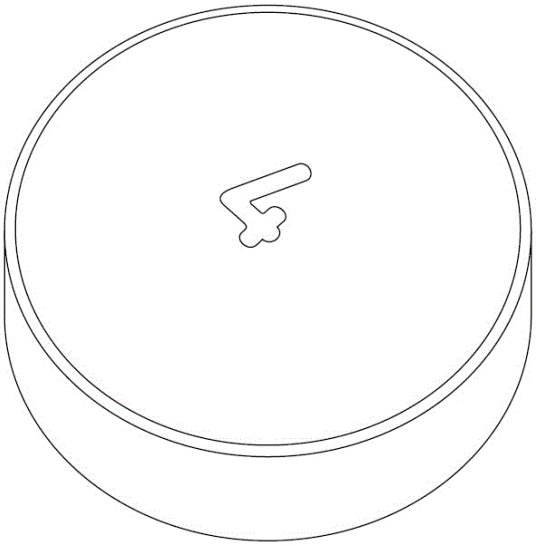


Figure 1

Three-dimensional view

21: A2023/00616 22: 2023-05-24 23:
43: 2023-01-18
52: Class 28 24: Part A
71: Novo Nordisk A/S
33: US 31: 29/882,776 32: 2023-01-18
54: TABLETS
57: The design is for a tablet for oral treatment of diabetes. The tablet has a three-dimensional round-shaped body that has a flattened side profile defining opposing first and second major faces. In plan view, each face has a generally round-shaped profile. A peripheral band encircles the pill between the faces. One of the major faces has a figure “9” engraved, printed or formed thereon which represents the strength of the tablet.

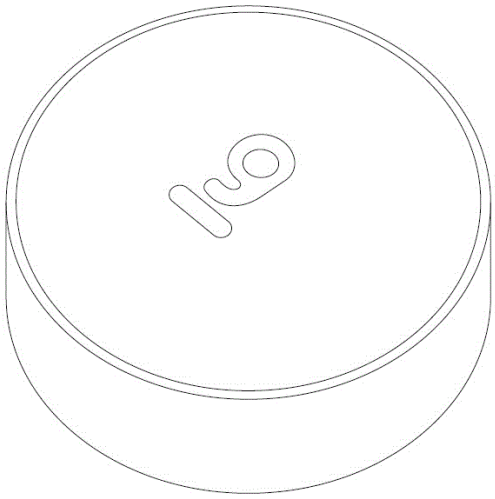


Figure 1

Three-dimensional view

21: A2023/00621 22: 2023-05-26 23:
43: 2022-11-29
52: Class 7 24: Part A
71: SMEG S.p.A.
33: HSIRID(IT) 31: DM/225653 32: 2022-11-29
54: COFFEE MACHINES
57: The design is for a coffee machine having a housing body that has an upper, obround front part, a lower front part, a central portion having substantially rectangular side walls, and a rounded rear part having curved side walls and an end portion having an inwardly curved central portion and outwardly curved upper and lower portions. A rectangular drip tray is provided on the lower front part. The coffee machine has a rounded base having spaced apart upstanding feet. The upper, front part has a bottom face from which extends a rounded member. A lever is provided on the side of an upper, central part of the coffee machine. A top portion of the housing body has an obround recessed portion that has a textured surface.

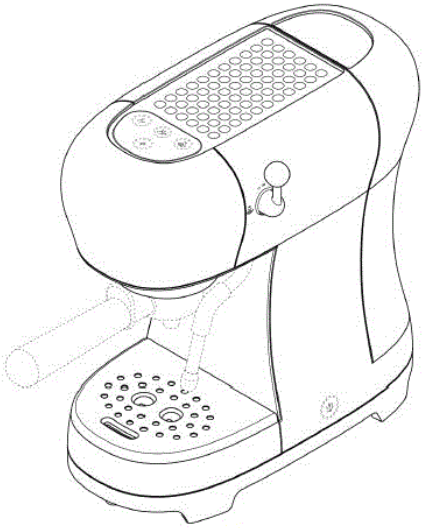


Figure 1

Three-dimensional view

21: A2023/00622 22: 2023-05-26 23:
43: 2022-11-29
52: Class 7 24: Part A
71: SMEG S.p.A.
33: HSIRID(IT) 31: DM/225793 32: 2022-11-29
54: COFFEE MACHINES
57: The design is for a coffee machine having a generally circular-round housing body that has upper and lower front parts, and rounded side and rear walls. The lower part comprises a semicircular drip tray. The coffee machine has a rounded base having upstanding feet. The upper, front part has a rounded front face which gently curves towards the rear of the housing, and has a bottom portion from which extends a curved member defining a front opening and a rounded member spaced from the curved member. A circular member is provided at the center of the front face. A lever is provided on the side of the upper, front part. A top portion of the housing is rounded and has a recessed central portion that has a textured surface. Diagonally opposed circular formations are provided at the corners of the central portion.

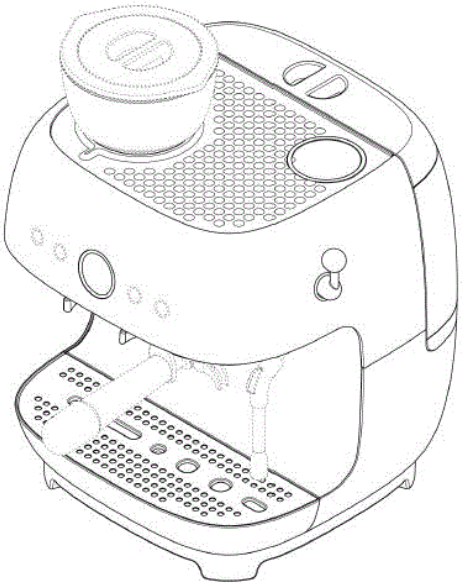


Figure 1

Three-dimensional view

21: A2023/00624 22: 2023-05-26 23:
43: 2023-12-01
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 015004604-0001 32: 2022-11-29
54: Spray Bottle
57: The design relates to spray bottle. The features of the design are those of shape and/or configuration.



FRONT PERSPECTIVE VIEW

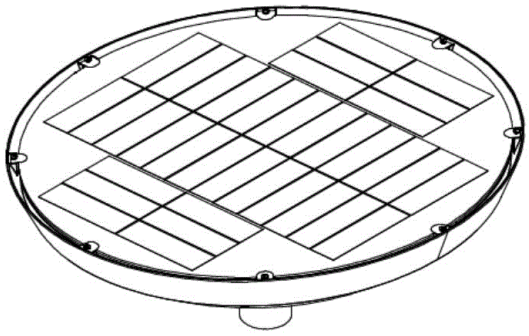
21: A2023/00625 22: 2023-05-26 23:
43: 2023-12-01

52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 015004604-0002 32: 2022-11-29
54: Spray Bottle
57: The design relates to spray bottle. The features of the design are those of shape and/or configuration.



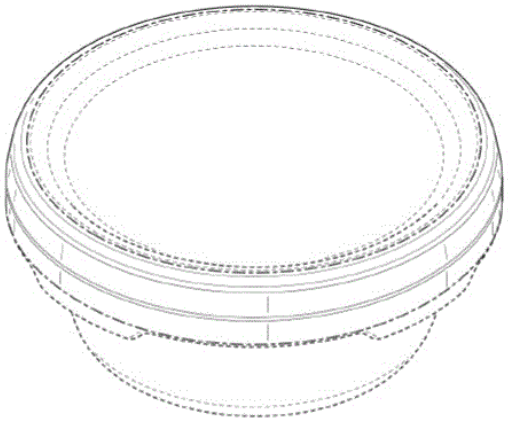
FRONT PERSPECTIVE VIEW

21: A2023/00626 22: 2023-05-26 23:
43: 2023-05-26
52: Class 26 24: Part A
71: SCHRÉDER S.A.
54: LUMINAIRE HOUSING
57: The design is applied to a luminaire housing. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a luminaire housing, substantially as illustrated in the accompanying representations.



Three-dimensional view from top

21: A2023/00629 22: 2023-05-29 23:
43: 2023-12-01
52: Class 9 24: Part A
71: O2COOL, LLC
33: US 31: 29/861,200 32: 2022-11-28
54: CONTAINER HAVING BOWL AND LID
57: The design is to be applied to a container having bow and lid. 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 are for illustrative purposes only and form no part of the claimed design.



FIRST PERSPECTIVE VIEW OF CONTAINER
HAVING A BOWL AND A LID IN FIRST CONFIGURATION

21: A2023/00630 22: 2023-05-29 23:
43: 2023-01-10
52: Class 28 24: Part A
71: Ranir, LLC
33: US 31: 29/882,057 32: 2023-01-10
54: TOOTHBRUSHES
57: The design is for a toothbrush. The toothbrush has a generally cylindrical body having a lower cylindrical portion, a ring-shaped intermediate portion that is provided near the end of the lower cylindrical portion, and an upper cylindrical portion that is extensively longer than the lower cylindrical portion. An upper ring-shaped portion is provided at the upper end of the upper cylindrical portion. A conical-shaped member with curved sides is provided atop of the upper ring-shaped portion. A slender neck that gently curves into the sides of the conical-shaped member and is connected to an ellipse-shaped head, protrudes upwardly from the conical-shaped member. A pair of upwardly and downwardly pointing triangular-shaped members are provided at a front center of the upper cylindrical portion. A circular member is provided above the upwardly pointing triangular-shaped member. A

triangular sun-shaped pattern is provided in the circular member.

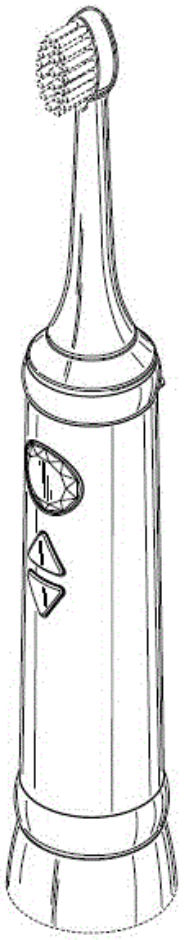


Figure 1

dimensional view

21: A2023/00636 22: 2023-05-30 23:
43: 2023-12-14
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2022-025954 32: 2022-12-01
54: Front Portion for an Automobile
57: The design relates to a front portion for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



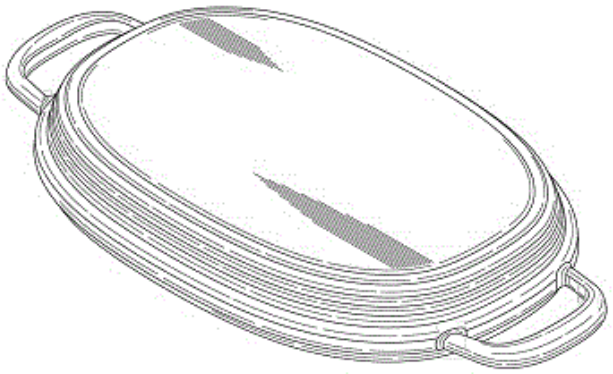
FRONT LEFT PERSPECTIVE VIEW

21: A2023/00637 22: 2023-05-30 23:
43: 2023-12-14
52: Class 26. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2022-025955 32: 2022-12-01
54: Front Combination Lamp for an Automobile
57: The design relates to a front combination lamp for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



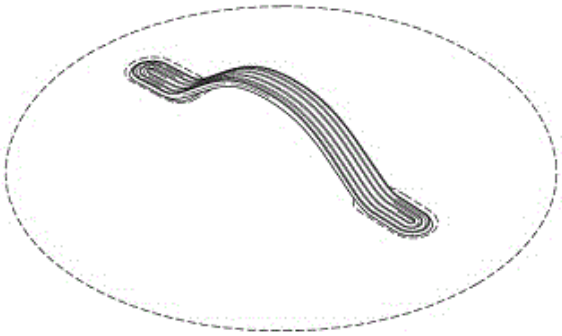
PERSPECTIVE VIEW

21: A2023/00638 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06
54: Cooking Pot with Handles
57: The design relates to a cooking pot with handles. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00639 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,781 32: 2023-01-06
54: Cover for a Cooking Pot with a Handle
57: The design relates to a cover for a cooking pot with a handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



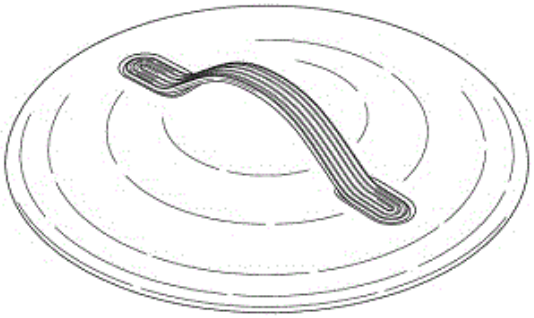
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00640 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,781 32: 2023-01-06
54: Cover for a Cooking Pot with a Handle
57: The design relates to a cover for a cooking pot with a handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00641 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,781 32: 2023-01-06
54: Cover for a Cooking Pot with a Handle
57: The design relates to a cover for a cooking pot with a handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

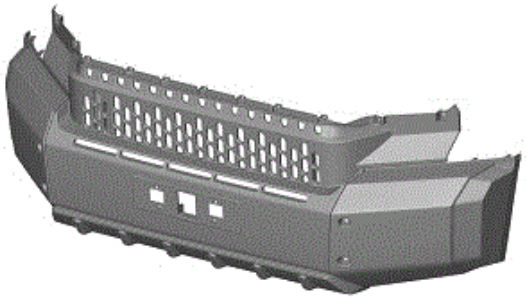
21: A2023/00642 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,781 32: 2023-01-06

54: Cover for a Cooking Pot with a Handle
57: The design relates to a cover for a cooking pot with a handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00643 22: 2023-05-30 23:
43: 2023-12-14
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2022-025956 32: 2022-12-01
54: Front Bumper for an Automobile
57: The design relates to a front bumper for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00644 22: 2023-05-30 23:
43: 2023-12-14
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2022-025957 32: 2022-12-01

54: Front Grille for an Automobile
57: The design relates to a front grille for an automobile. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



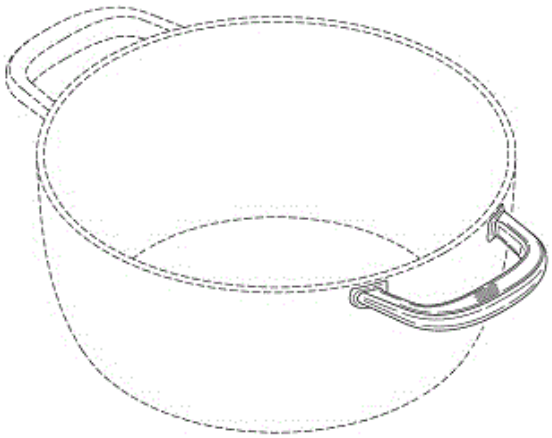
PERSPECTIVE VIEW

21: A2023/00645 22: 2023-05-30 23:
43: 2023-12-14
52: Class 12. 24: Part A
71: TOYOTA JIDOSHA KABUSHIKI KAISHA
33: JP 31: 2022-025958 32: 2022-12-01
54: Instrument Panel for an Automobile
57: The design relates to instrument panel for an automobile. The features of the design are those of shape and/or configuration and/or ornamentation.



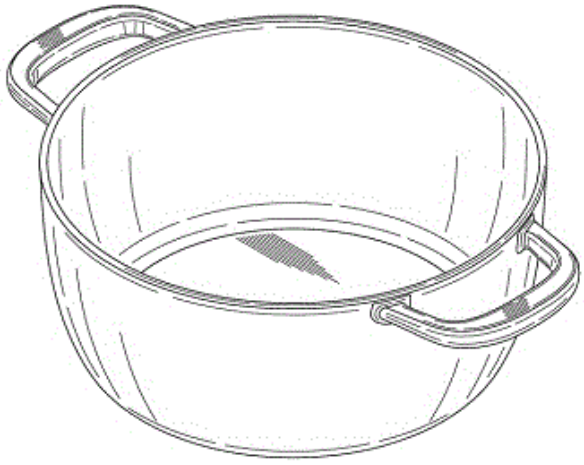
PERSPECTIVE VIEW

21: A2023/00646 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06
54: Handle for a cooking pot
57: The design relates to a handle for a cooking pot. The features of the design are those of shape and/or configuration and/or ornamentation.



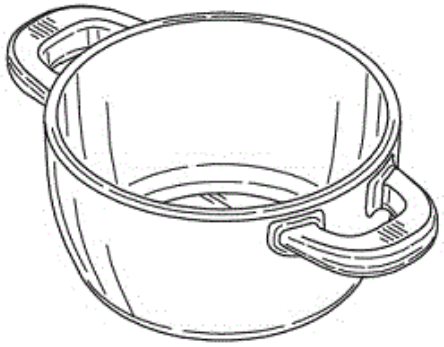
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00647 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06
54: Cooking Pot with Handles
57: The design relates to a cooking pot with handles. The features of the design are those of shape and/or configuration and/or ornamentation.



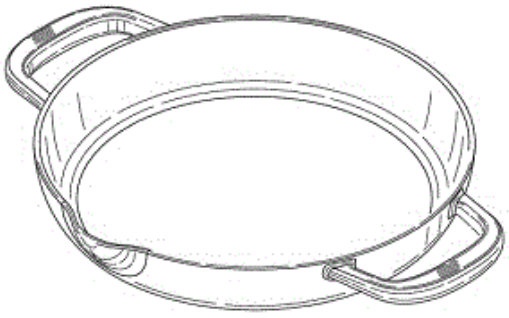
TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2023/00648 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06
54: Cooking Pot with Handles
57: The design relates to a cooking pot with handles. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

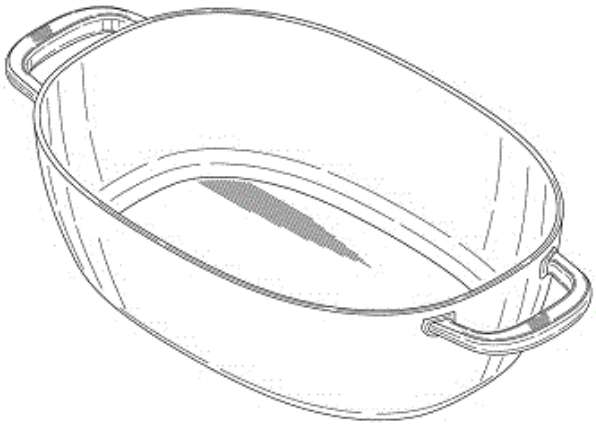
21: A2023/00649 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06
54: Cooking Pot with Handles
57: The design relates to a cooking pot with handles. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

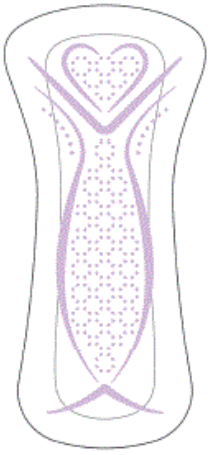
21: A2023/00650 22: 2023-05-30 23:
43: 2023-12-01
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/881,779 32: 2023-01-06

54: Cooking Pot with Handles
57: The design relates to a cooking pot with handles. The features of the design are those of shape and/or configuration and/or ornamentation.

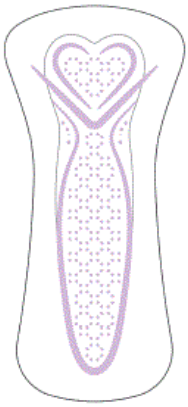


TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

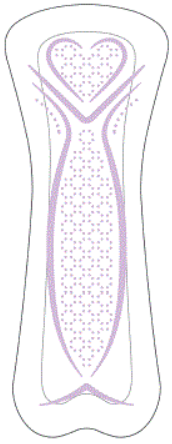
21: A2023/00660 22: 2023-06-06 23:
43: 2023-12-14
52: Class 24 24: Part A
71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
33: EP 31: 0150006624-0003 32: 2022-12-19
54: SANITARY TOWEL
57: The representation shows a front view of a sanitary towel showing the overall appearance thereof.



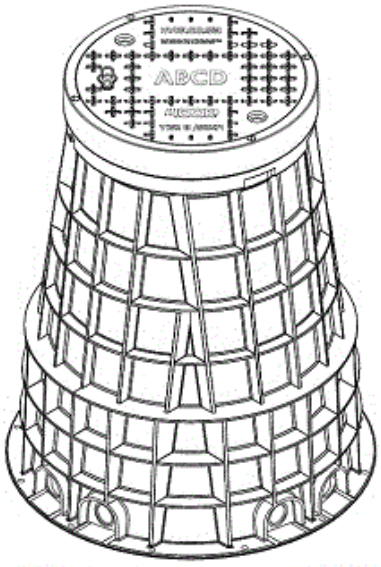
21: A2023/00661 22: 2023-06-06 23:
43: 2023-12-14
52: Class 24 24: Part A
71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
33: EP 31: 0150006624-0002 32: 2022-12-19
54: SANITARY TOWEL
57: The representation shows a front view of a sanitary towel showing the overall appearance thereof.



21: A2023/00662 22: 2023-06-06 23:
43: 2023-12-18
52: Class 24 24: Part A
71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG
33: EP 31: 0150006624-0001 32: 2022-12-19
54: SANITARY TOWEL
57: The representation shows a front view of a sanitary towel showing the overall appearance thereof.

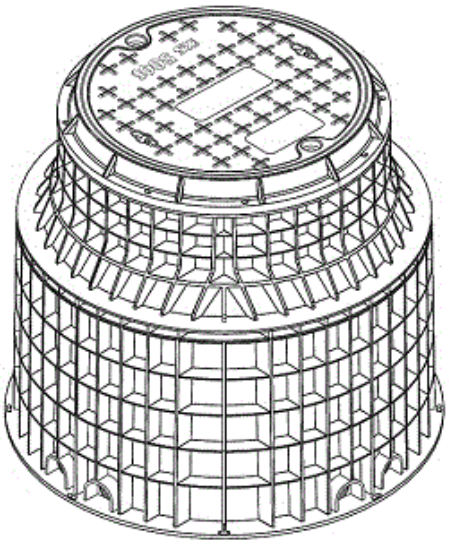


21: A2023/00667 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part A
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



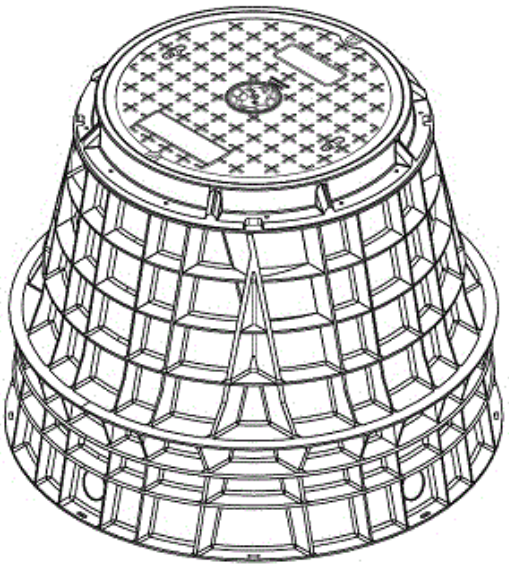
PERSPECTIVE VIEW

21: A2023/00670 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part A
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are of shape and/or configuration and/or pattern and/or ornamentation.



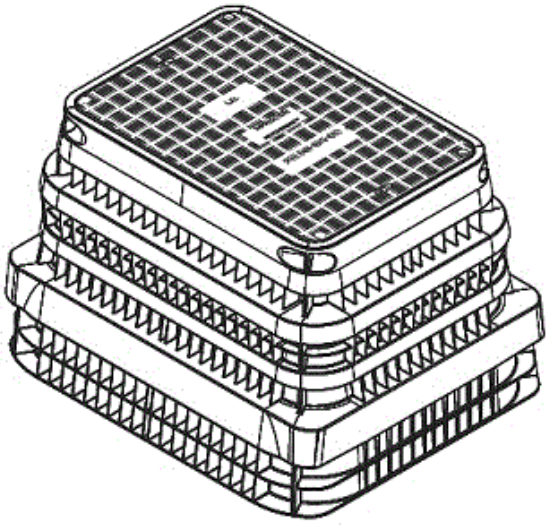
PERSPECTIVE VIEW

21: A2023/00672 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part A
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



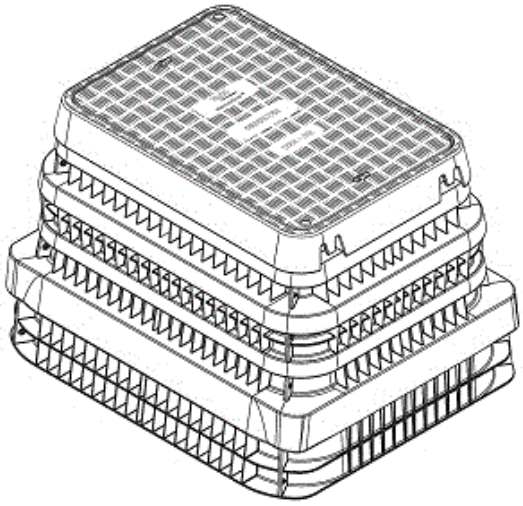
PERSPECTIVE VIEW

21: A2023/00674 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part A
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

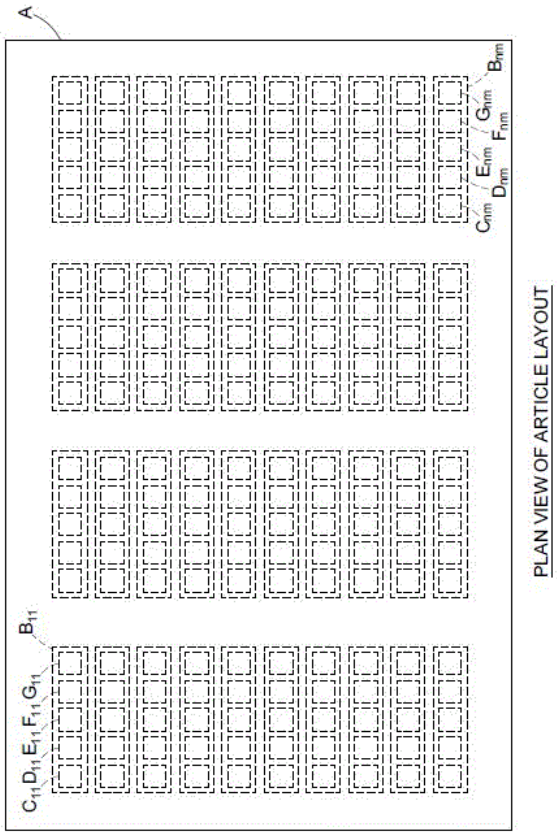


PERSPECTIVE VIEW

21: A2023/00676 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part A
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to utility chamber. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

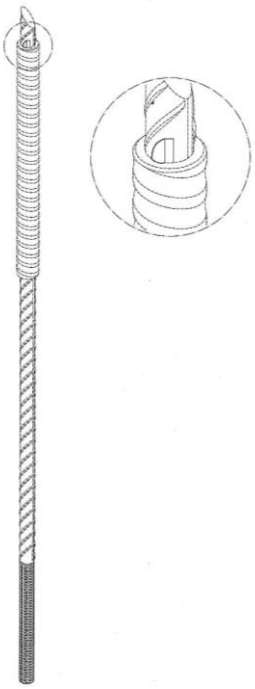


PERSPECTIVE VIEW

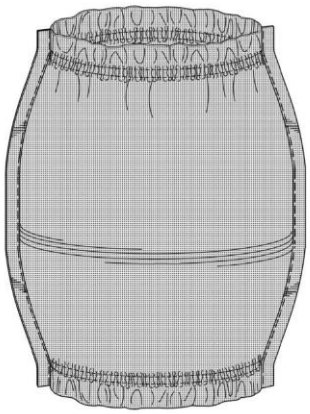


21: A2023/00781 22: 2023-07-11 23:
43: 2024-02-09
52: Class 19 24: Part A
71: ARCHARY, Vijayandren
54: BALLOT PAPER
57: The design is applied to ballot papers. The features of the design for which protection is claimed are those of shape and/or configuration and/or pattern and/or ornamentation.

21: F2014/01946 22: 2014-12-19 23: 2014-12-10
43: 1900-01-01
52: Class 25 24: Part F
71: RSC MINING (PTY) LTD
54: MINE ROOF BOLTS
57: The design is in respect of a mine roof bolt. The mine roof bolt consists of a ribbed male member in the form of a solid metallic rebar friction fitted to a female member in the form of a ribbed metallic tube. A pointed end of the male member extends through and projects from the female member. The female member has a proximate end near the pointed end and a distant end about one third of the way down the length of the male member. At a junction between the proximate end of the female member and an outer surface of the male member, two lateral protuberances are formed opposite indentations disposed at this junction.

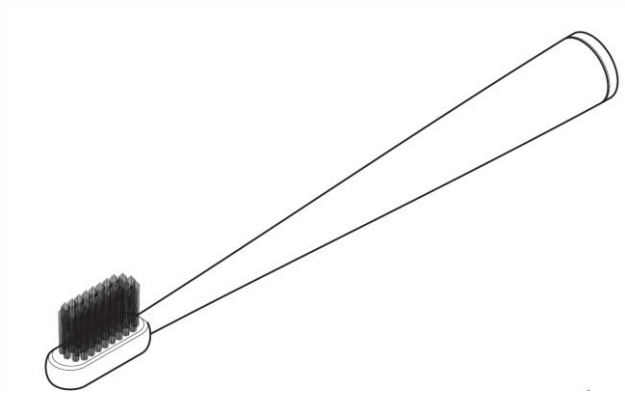


21: F2019/01268 22: 2019-08-30 23: 2019-05-01
43: 2020-05-22
52: Class 24 24: Part F
71: The Matthew 6:33 Trust
54: ARMBANDS
57: The design is for an armband, specifically the design is for a hygienic armband which fits over an upper arm of a person and on which a blood pressure cuff of a blood pressure monitor or on which a tourniquet is placed in use to prevent contact between the blood pressure cuff/tourniquet and skin of the person. The hygienic armband is defined by a tubular sleeve with openings on opposed ends of the tubular sleeve through which the person's arm fits. The hygienic armband includes a first elastic strip and a second elastic strip which extend around the hygienic armband. The first - and second elastic strips are spaced apart with the first elastic strip being positioned at an operatively upper end of the hygienic armband and the second elastic strip being positioned at an operatively lower end of the hygienic armband for a secured fit to the upper arm.

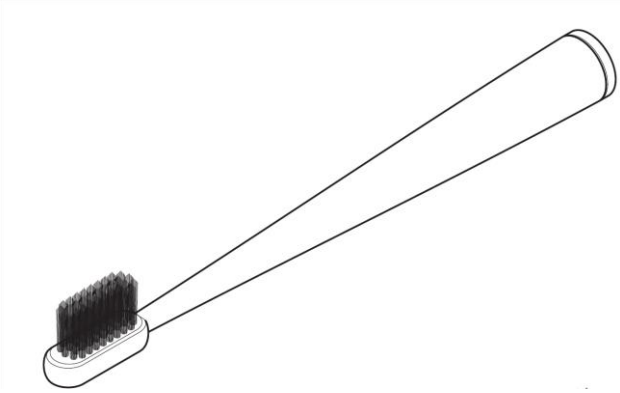


Three-dimensional view from front

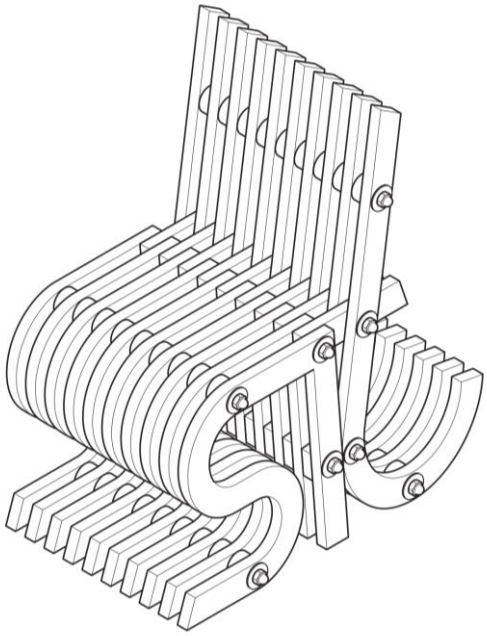
21: F2020/01246 22: 2020-09-18 23:
43: 2021-05-19
52: Class 04 24: Part F
71: Chrismarie Barnardt
54: BRUSH
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a brush as shown in the accompanying representations



21: F2020/01247 22: 2020-09-18 23:
43: 2021-05-24
52: Class 24 24: Part F
71: Chrismarie Barnardt
54: BRUSH
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a brush as shown in the accompanying representations.

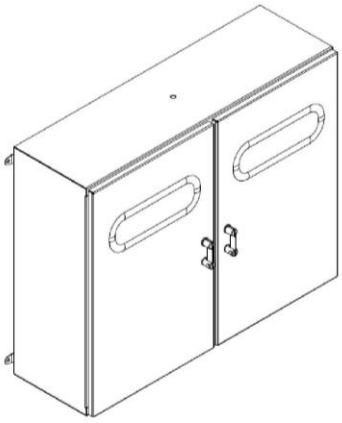


21: F2021/00086 22: 2021-02-04 23:
43: 2021-10-04
52: Class 06 24: Part F
71: Ocean-i (Pty) Ltd
54: SEATS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a SEAT as shown in the accompanying representations.



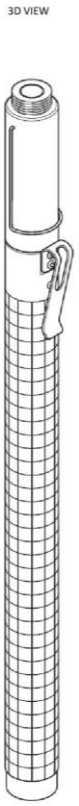
PERSPECTIVE VIEW

21: F2021/00111 22: 2021-02-11 23:
43: 2022-02-03
52: Class 13 24: Part F
71: Big C Rock Engineering CC
54: BATTERY CHARGER HOUSINGS
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a battery charger housing as shown in the accompanying representations.

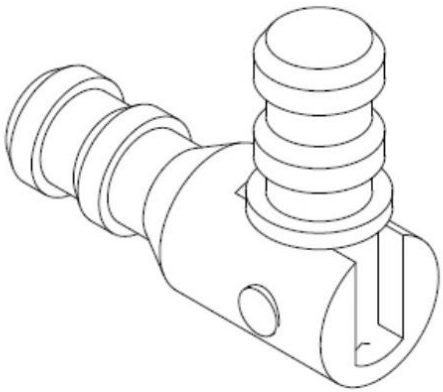


PERSPECTIVE VIEW

21: F2021/00141 22: 2021-02-15 23:
43: 2021-09-21
52: Class 26 24: Part F
71: Big C Rock Engineering CC
54: ELECTRIC TORCHES
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of an electric torch as shown in the accompanying representations.

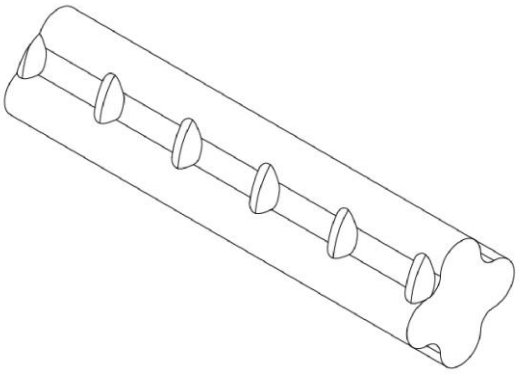


21: F2021/00462 22: 2021-04-29 23:
43: 2022-09-02
52: Class 08 24: Part F
71: RSC Mining (Pty) Ltd
54: A COUPLER
57: The features of the design for which novelty is claimed are the shape and / or configuration a COUPLER as shown in the accompanying representations.



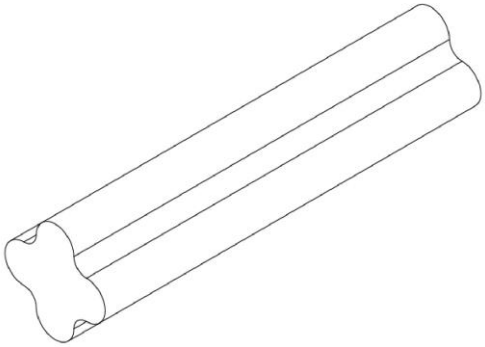
PERSPECTIVE VIEW (ASSEMBLED)

21: F2021/00498 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part F
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a ROCK BOLT as shown in the accompanying representations.



PERSPECTIVE VIEW

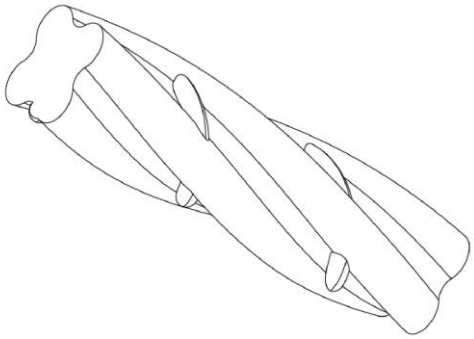
21: F2021/00500 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part F
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a ROCK BOLT as shown in the accompanying representations.



PERSPECTIVE VIEW

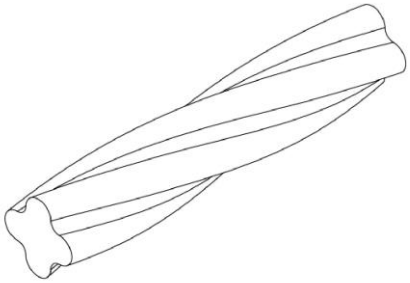
21: F2021/00502 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part F
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a ROCK BOLT as shown in the accompanying representations.



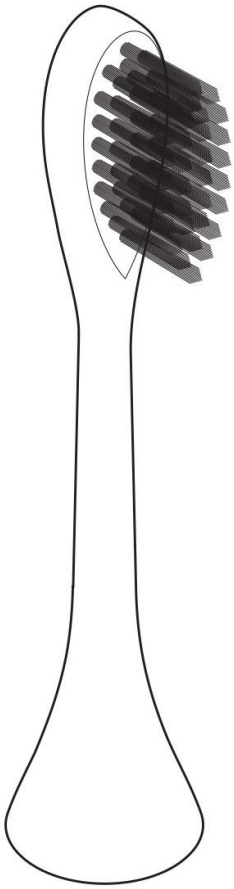
PERSPECTIVE VIEW

21: F2021/00512 22: 2021-05-14 23:
43: 2022-04-06
52: Class 08 24: Part F
71: RSC Mining (Pty) Ltd
54: A ROCK BOLT
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a ROCK BOLT as shown in the accompanying representations.



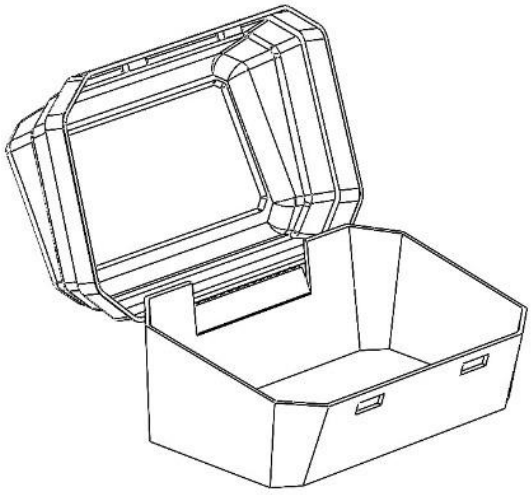
PERSPECTIVE VIEW

21: F2021/00709 22: 2021-06-17 23:
43: 2022-07-21
52: Class 04 24: Part F
71: BARNARDT, Chrismarie
54: BRUSH
57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a BRUSH as shown in the accompanying representations, irrespective of the features shown in broken lines.

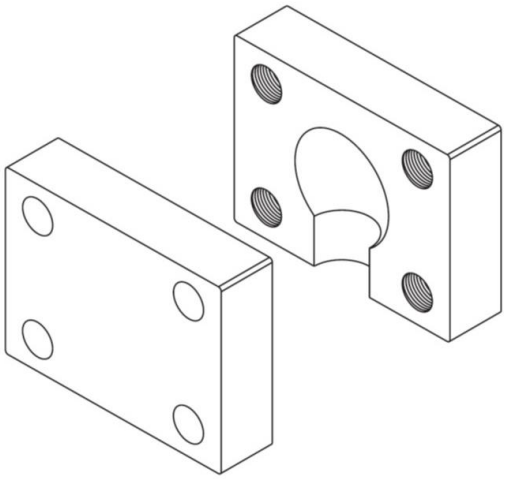


(a)

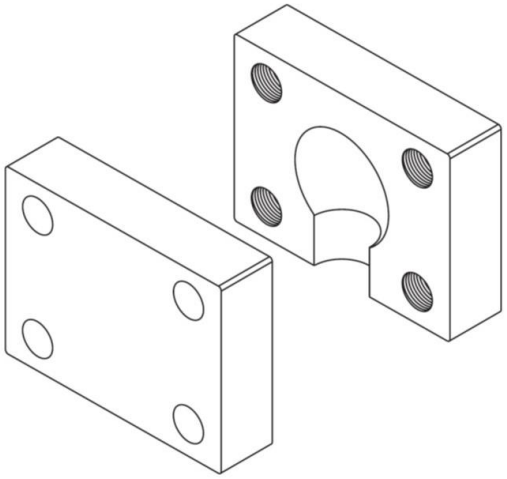
21: F2021/01557 22: 2021-12-22 23:
43: 2024-02-09
52: Class 09 24: Part F
71: APL CARTONS (PTY) LTD, GRAND PLASTICS (PTY) LTD
54: CONTAINER
57: The design is for a container comprising an opaque rectangular bottom or punnet, with a hinged, transparent lid and the bottom is lower at its front than its rear, while the lid is higher at its front than its rear.



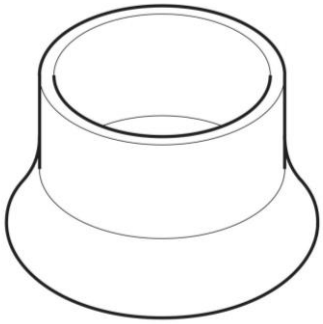
21: F2022/00626 22: 2022-06-03 23: 2021-12-03
43: 2023-01-19
52: Class 08 24: Part F
71: XRAMP (PTY) LTD
54: BALL MOUNT ADAPTER
57: The novelty of the design resides in the shape and/or configuration of a Ball Mount Adapter, comprising of two interconnectable components, which is configured to be mounted onto a ball mount of a tow hitch.



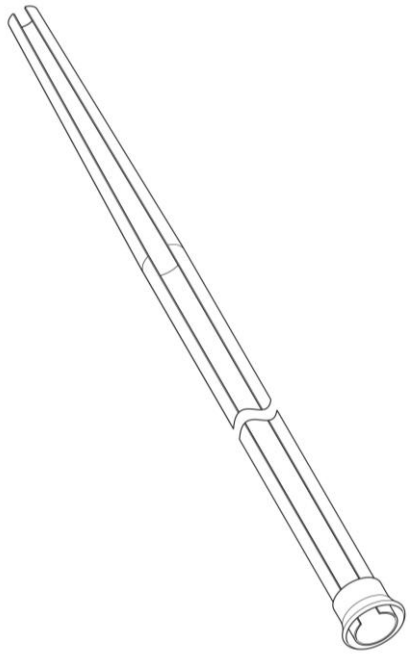
21: F2022/00627 22: 2022-06-03 23: 2021-12-03
43: 2023-01-19
52: Class 12 24: Part F
71: XRAMP (PTY) LTD
54: BALL MOUNT ADAPTER
57: The novelty of the design resides in the shape and/or configuration of a Ball Mount Adapter, comprising of two interconnectable components, which is configured to be mounted onto a ball mount of a tow hitch.



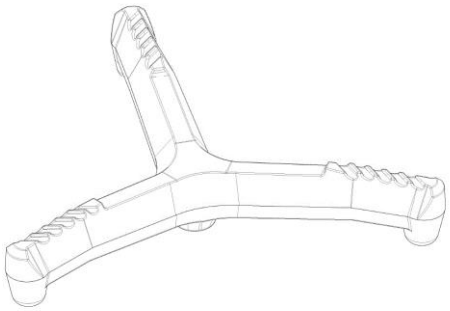
21: F2022/00925 22: 2022-08-12 23:
43: 2023-03-03
52: Class 08 24: Part F
71: RSC MINING (PTY) LTD
54: COLLAR FOR A FRICTION STABILISER BOLT
57: The design relates to a collar for a friction stabiliser bolt, the features of the design are those of shape and configuration of the collar.



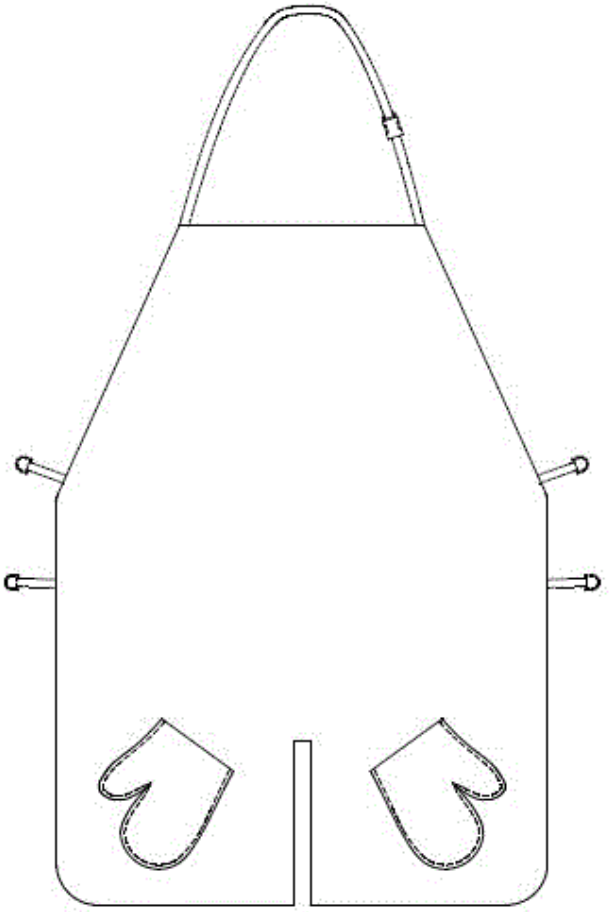
21: F2022/00927 22: 2022-08-12 23:
43: 2023-03-03
52: Class 25 24: Part F
71: RSC MINING (PTY) LTD
54: A FRICTION STABILISER BOLT
57: The design relates to a friction stabiliser bolt, the features of the design are those of the shape and/or configuration of the bolt.



21: F2023/00478 22: 2023-04-17 23:
43: 2023-12-18
52: Class 15 24: Part F
71: BÜHLER AG
33: WO 31: WIPO124250 32: 2022-10-28
54: SIEVE CLEANER FOR PLANSIFTER SIEVES
57: The drawing shows a top perspective view of a sieve cleaner for plansifter sieves showing the overall appearance thereof.



21: F2023/00551 22: 2023-05-09 23:
43: 2023-05-09
52: Class 2 24: Part F
71: BAARD, Charl
54: Aprons
57: The design is for an apron. The apron has an upright slit provided in the bottom to allow side sections each side of the slit to move independently of the other side section. A pair of oven glove-like pieces are provided (e.g., sewn in, or otherwise affixed or integrated) on a rear surface of the apron, either side of the slit. A user's hands may be placed inside the oven glove pieces and hot items (e.g., from cooking or barbecuing) may be grasped with the front surfaces of the side sections.



21: F2023/00602 22: 2023-05-22 23:
43: 2022-11-22
52: Class 25 24: Part F
71: R.J. Goldspink Pty Limited
33: AU 31: 202216860 32: 2022-11-22
54: SUPPORT PROPS
57: The design is for a support prop. The support prop comprises a lower cylindrical tube and an upper cylindrical tube fitted, by a connection arrangement, to the lower cylindrical tube. An end of each of the lower and upper tube connects to a circular support member. An obliquely arranged elongate oblong shaft extends downwardly from the lower cylindrical tube. A handle projects outwardly away from an end of the shaft.

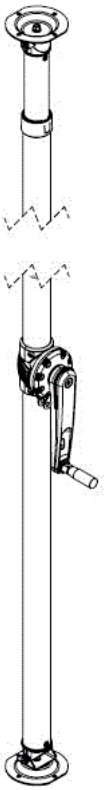


Figure 7

Three-dimensional view

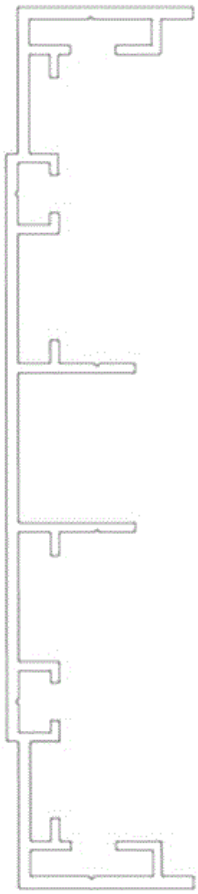
21: F2023/00603 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (CLASSIC)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



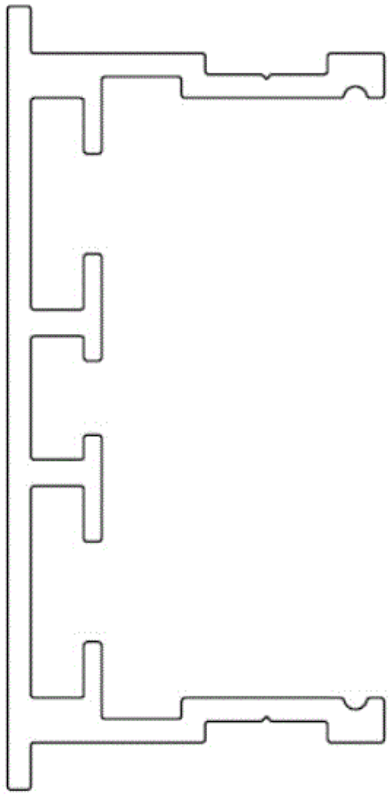
21: F2023/00604 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (TWIN 110)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



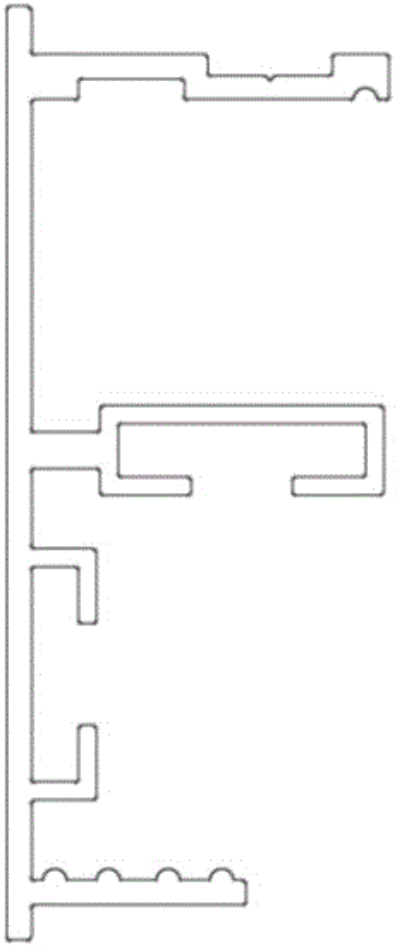
21: F2023/00605 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (TWIN 150)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



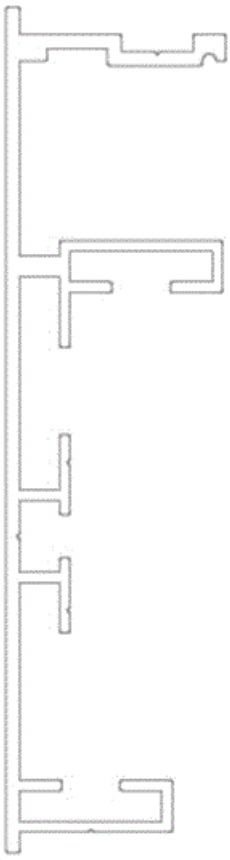
21: F2023/00606 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 65)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



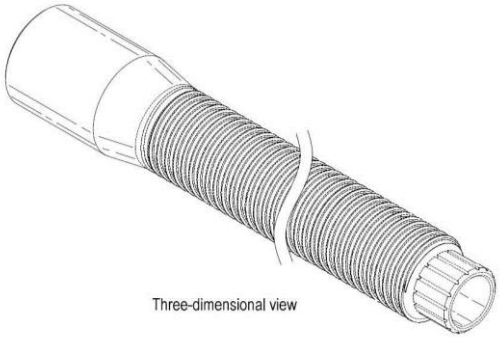
21: F2023/00607 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 80)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



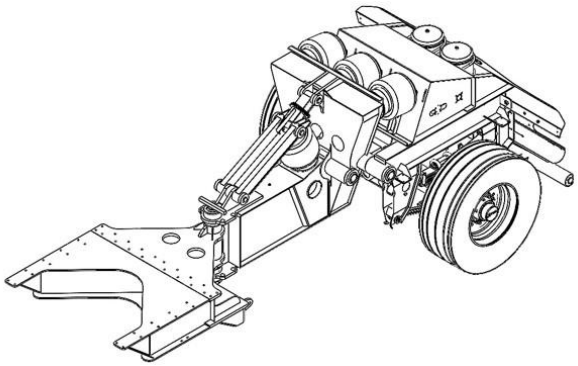
21: F2023/00608 22: 2023-05-22 23:
43: 2023-12-01
52: Class 20 24: Part F
71: SIGNBOX (PTY) LTD
54: ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 120)
57: The design relates to an aluminium extrusion which forms the sides of a lightbox type sign. The features of the design are those of shape and/or configuration.



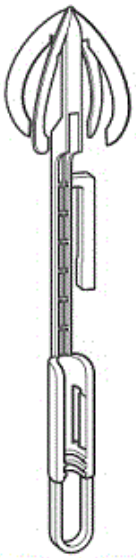
21: F2023/00623 22: 2023-05-26 23:
43: 2023-05-26
52: Class 8 24: Part F
71: ROCBOLT TECHNOLOGIES (PTY) LTD.
54: Barrels for Wall Anchors
57: The design is for a barrel for a wall anchor for use in mining or construction. The barrel has an elongate hollow body comprising a threaded portion and an adjacent head. The head comprises a ramp portion and a cylindrical portion longitudinally adjacent the ramp portion, the ramp portion being between the threaded portion and the cylindrical portion.



21: F2023/00651 22: 2023-05-30 23: 2023-05-16
43: 2023-12-01
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.

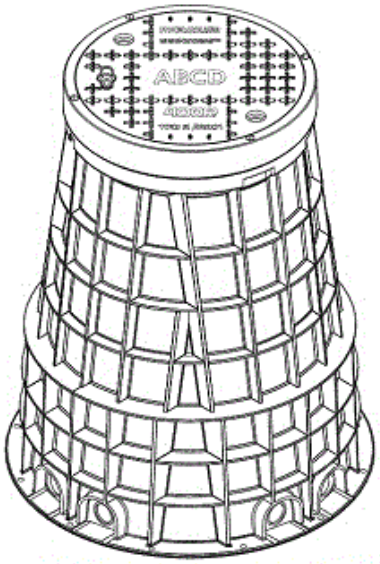


21: F2023/00665 22: 2023-06-06 23:
43: 2023-12-14
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Detonator Holder
57: The design relates to a detonator holder. The features of the design are those of shape and/or configuration.



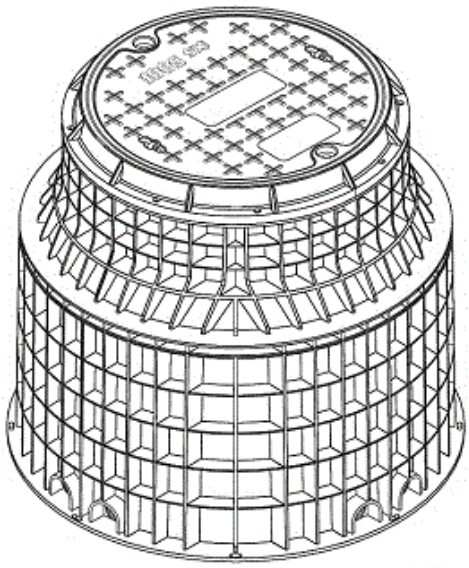
PERSPECTIVE VIEW

21: F2023/00668 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern.



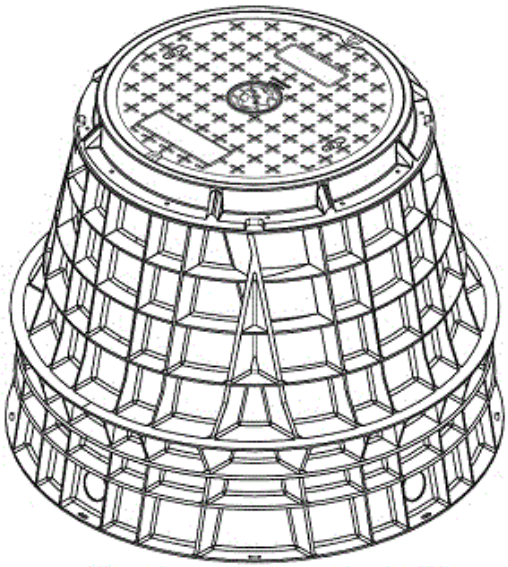
PERSPECTIVE VIEW

21: F2023/00671 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern.



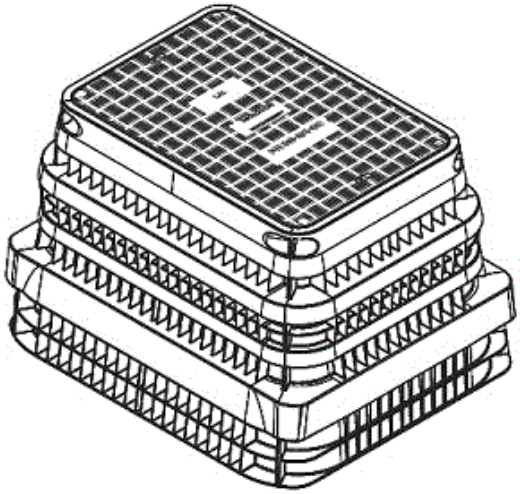
PERSPECTIVE VIEW

21: F2023/00673 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern.



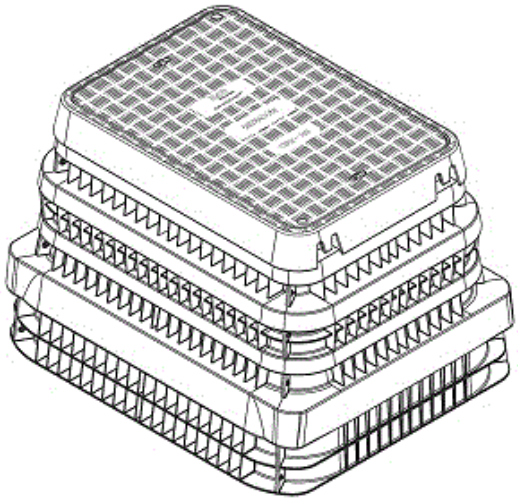
PERSPECTIVE VIEW

21: F2023/00675 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to utility chamber. The features of the design are those of shape and/or configuration and/or pattern.



PERSPECTIVE VIEW

21: F2023/00677 22: 2023-06-07 23:
43: 2023-12-14
52: Class 25. 24: Part F
71: MANHOLES 4 AFRICA (PTY) LTD
54: Utility Chamber
57: The design relates to a utility chamber. The features of the design are those of shape and/or configuration and/or pattern.



PERSPECTIVE VIEW

21: F2023/00683 22: 2023-06-09 23:
43: 2023-12-14
52: Class 24 24: Part F
71: EKSTEEN, Ehren Cronje
54: WOUND BED ACCESS DEVICES
57: The design is for a wound bed access device for providing access to a wound bed from outside a closed wound. The device includes a tube, having two ends, which defines a flow path for fluid therethrough. A portion of the tube which in use is closed in the wound, includes a set of three opposing apertures which allows fluid to flow into or out of the tube. An opposed end of the tube, which in use is distal from the wound, tapers outwardly and an open end thereof defines a connection end, such that a self-sealing valve connector (such as a luer connector) is fittable therein. The device also includes a wound dressing interface, shaped and dimensioned to be closed within a wound dressing covering a wound. The wound dressing interface comprises of a flexible flange extending from both sides proximate the opposed end and in-line with the apertures.



Three-dimensional top view of a wound bed access device

21: F2023/00684 22: 2023-06-09 23:
43: 2023-12-14
52: Class 08 24: Part F
71: Siyashanela Services CC
54: CORNER PLATE FORKS
57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of a corner plate fork for placing corner plates, corner edges, corner protectors or angle protectors underneath cargo straps, without having to ascend to the height of the cargo needing to be secured, thereby providing a safer method for placement of corner plates, substantially as shown in the representations. Hidden detail is shown in some views for illustrative purposes.



Three-dimensional view of a corner plate fork

21: F2023/00695 22: 2023-06-15 23:
43: 2023-12-14
52: Class 25 24: Part F
71: LEANDER GROUP PROPRIETARY LIMITED
54: HOLLOW BARGE
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a hollow barge substantially as shown in the representation, the design including a pair of substantially parallel outer panels attached at the ends thereof and defining a main portion having a first small end portion extending therefrom at a first end region and a second smaller end portion located at a second end region arranged substantially perpendicular relative to the main portion, wherein a plurality of ribs are arranged between the outer panels at an oblique or substantially diagonal angle, and wherein the first small end portion includes an indentation.

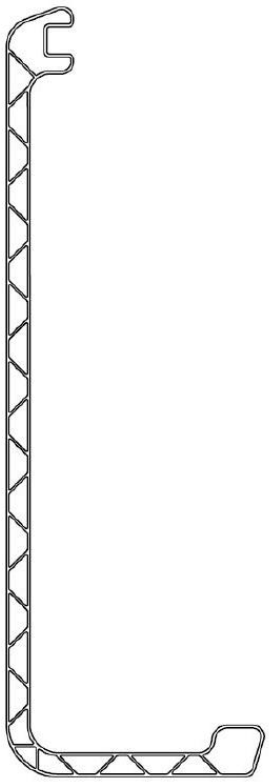


Figure 7

Right Side View

21: F2023/00696 22: 2023-06-15 23:
43: 2023-12-14
52: Class 25 24: Part F
71: LEANDER GROUP PROPRIETARY LIMITED
54: FASCIA BOARD
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a fascia board substantially as shown in the representation, the design including a pair of substantially parallel outer panels attached at the ends thereof and defining a main portion having a small end portion including an indentation

extending therefrom at an end region, wherein a plurality of ribs are arranged between the outer panels at an oblique or substantially diagonal angle.

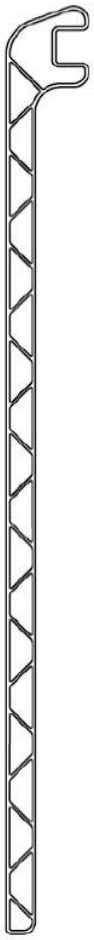
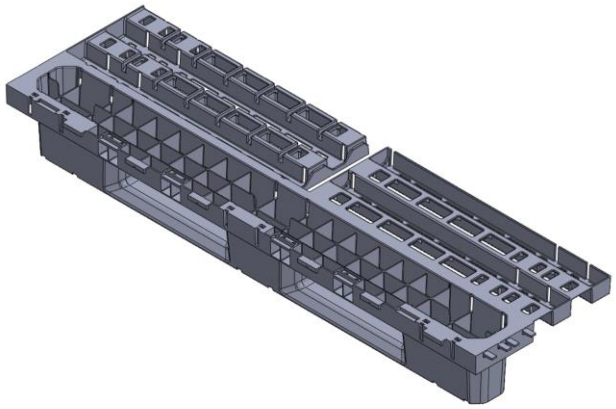


Figure 7

Right Side View



21: F2023/01430 22: 2023-12-14 23: 2023-08-23
43: 2024-02-05
52: Class 09 24: Part F
71: CNC Rentals Pty Ltd
54: A PALLET MODULE
57: The design relates to a A pallet module. 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

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2024/00003 22: 2024/01/31 43: 2024/01/31
24: 2021/09/29 to 2021/11/02; Cape Town
25: 2023/06/20; Delivery of the film to M-Net / Showmax in Johannesburg, SA
71: Kelsey-Colin Kass Egan on behalf of FilmFix (Pty) Ltd 6 Avronne Court, 21 Carisbrook Street, Tamboerskloof, Cape Town, 8001, South Africa
75: Kelsey-Colin Kass Egan6 Avronne Court, 21 Carisbrook Street, Tamboerskloof, Cape Town, ZA, 8001, Phone :+27 76 064 7999, Email :kelsey@cravepictures.co.za
Kelsey Egan; Greig Buckle; Allison Friedman
77: Kelsey Egan
54: **The Fix**
78: Grace Van Dien, Daniel Sharman, Keenan Arrison, Tina Redman, Robyn Rossouw, Tafara Nyatsanza, Nicole Fortuin, Clancy Brown
26: The film was produced and completed in Cape Town. The film has been delivered to the African distributor (M-Net / Showmax) and to the international sales agent (The Exchange), who are in the process of showing the film to international distributors and negotiating distribution deals.
The film has not yet been publicly released. The film's premiere and release dates are to be determined.
55: Specimen not lodged
56: Preview not requested
57: A dark, dystopian thrill ride with an environmental slant, “The Fix” explores identity, perception and autonomy. A toxic compound infects earth’s atmosphere. Pharmaceutical giant, Aethera, sells immunity to those who can afford the daily dose... most can't. When an image-conscious wild child - ELLA - takes a new designer drug at her boyfriend's house party, she inadvertently becomes an unintended test subject. Instead of the escapist fix she was expecting, the new drug is in fact a specially designed retroviral that introduces foreign DNA into the human genome. Her self-destructive gesture triggers a shocking transformation. As her body adapts, ELLA is forced to face a self she does not recognize. Pursued by a dangerous gang and authorities in cahoots with Aethera, she hunts for a “fix” to reverse the drug’s effects. When she is discovered by SOLOMON - the unexpected genius responsible for the drug's creation - the secret he shares reveals that her mutations could be the key to saving the human race... but only if her mind proves to be as elastic and resilient as her body. From a covert research facility to the back alleys of the gang-regulated Cape Flats, from the dangerous aspirations of powerful corporations to the most underestimated and disenchanted young minds, “The Fix” fuses the action / sci-fi elements of films like "Species", "Lucy", "Hanna", "District 9" and "Resident Evil" with the gritty youth culture found in films like
"Thirteen", "La Haine" and "Kids".

58: SC

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

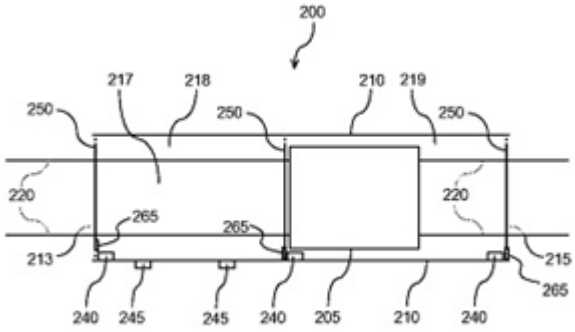
PATENT CORRECTION NOTICES

The notice of acceptance of South African Patent Application No. **2021/03224,** in the name of **University of the Witwatersrand** and **The Regents of the University of California** was erroneously published in the Patent Journal of 31August 2022. Therefore it's publication in the Patent Journal of 31August 2022 is null and void.

The notice of acceptance of South African Patent Application No. **2022/08032,** in the name of **LG ELECTRONICS INC.**, was erroneously published in the Patent Journal of 31 January 2024. Therefore it's publication in the Patent Journal of 31 January 2024 is null and void.

The patent under application number **2022/10252** was advertised in the January 2024 Patent Journal missing a drawing and it should have appeared as the one below but the publication date will remain as **31 January 2024**.

21: 2022/10252. 22: 2022/09/15. 43: 2023/11/08
51: B65G
71: HAYES-IVY MANUFACTURING, INC.
72: KNIGHT, PETER H
33: US 31: 16/867,474 32: 2020-05-05
54: TUNNEL CURTAIN
00: -
A tunnel may have a housing with an entrance, an exit, and a pathway extending from the entrance to the exit through the housing. The tunnel may be used for performing operations, such as cleaning operations within the tunnel. A conveyor may be configured to move articles through the housing along the pathway. One or more detectors may be configured at discrete locations along the pathway. One or more curtains may be configured between the entrance and the exit of the housing to partition the pathway into two or more segments. One or more sensors may be configured in each curtain. The one or more sensors may be detectable by the one or more detectors to determine the presence, position, orientation, or other characteristic of each curtain.



COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for February 2024

Number of Advertised Patents: 600

Application Number	Patent Title	Filing Date
2015/04103	ORGAN AND TISSUE PRESERVATION FORMULATIONS WITH INCREASED STABILITY AND SHELF LIFE	2015/06/08
2015/04284	SOLUTION FOR PRESERVING VASCULAR CONDUITS	2015/06/12
2017/04249	CGRP ANTAGONIST PEPTIDES	2017/06/22
2017/05290	UNDERGROUND DRILL MACHINE AND DUST COLLECTING HEAD, ASSEMBLY AND THE METHOD FOR COLLECTING DUST	2017/08/04
2017/05489	METHODS OF TREATING INFERTILITY	2017/08/14
2017/06799	PROCESS	2017/10/09
2017/07018	EVALUATION OF CAS9 MOLECULE/GUIDE RNA MOLECULE COMPLEXES	2017/10/17
2017/07812	BICYCLIC LACTAMS AND METHODS OF USE THEREOF	2017/11/17
2017/07816	BISPECIFIC ANTIBODY CONSTRUCTS BINDING MESOTHELIN AND CD3	2017/11/17
2018/00326	DECORATIVE BUILDING BOARD AND METHOD FOR PRODUCING SUCH A BUILDING BOARD	2018/01/17
2018/01852	ANTI¿PD¿1 ANTIBODIES AND COMPOSITIONS	2018/03/20
2018/02657	CRYSTAL FORMS OF BETA-NICOTINAMIDE MONONUCLEOTIDE	2018/04/20
2018/04565	IMMUNOPOTENTIATOR ENHANCED SUPERANTIGEN MEDIATED CANCER IMMUNOTHERAPY	2018/07/09
2018/05410	DOWNHOLE SURVEYING AND CORE SAMPLE ORIENTATION SYSTEMS, DEVICES AND METHODS	2018/08/14
2018/06192	RECOVERY OF PRECIOUS AND RARE EARTH METALS USING CYCLODEXTRIN	2018/09/14
2018/06263	SYSTEMS AND METHODS FOR CONTROLLING A POWER PLANT	2018/09/18
2018/06611	GENETICALLY MODIFIED STRAINS OF MYCOBACTERIUM SMEGMATIS	2018/10/04
2018/06631	SPIDER BUSHING ASSEMBLY FOR A GYRATORY CRUSHER	2018/10/05

Application Number	Patent Title	Filing Date
2018/06750	DEVICE FOR PRODUCING REINFORCEMENTS	2018/10/10
2018/07256	INHIBITORS OF ACTIVIN RECEPTOR-LIKE KINASE	2018/10/30
2018/07315	OIL LIQUID FUNGICIDAL FORMULATION	2018/10/31
2018/08602	SENSING DEVICE FOR A ROCK BOLT	2018/12/19
2019/04227	PYRIMIDINE TRICYCLIC ENONE DERIVATIVES FOR INHIBITION OF ROR? AND OTHER USES	2019/06/27
2019/04504	FOUR-QUADRANT POWER MODULE	2019/07/09
2019/04546	TAILLESS AIRCRAFT	2019/07/11
2019/05488	TIGIT- AND LIGHT-BASED CHIMERIC PROTEINS	2019/08/20
2019/06585	SYSTEMS AND METHODS FOR PERFORMING DATA PROCESSING OPERATIONS USING VARIABLE LEVEL PARALLELISM	2019/10/07
2019/06832	NOVEL PSMA-BINDING AGENTS AND USES THEREOF	2019/10/16
2019/06909	FUNGICIDAL OXADIAZOLES	2019/10/21
2019/06938	FORMULATIONS COMPRISING RECOMBINANT ACID ALPHA-GLUCOSIDASE	2019/10/22
2019/06942	COUPLING HAVING SEAL WITH RETRACTING CENTER LEG	2019/10/22
2019/07137	COLD SLURRY CONTAINMENT	2019/10/29
2019/07138	POINT OF DELIVERY COLD SLURRY GENERATION	2019/10/29
2020/01421	MIXTURE OF A FOLCISTEINE-BASED BIOSTIMULANT AND AN AGROTOXIC SUBSTANCE OF INTEREST RESULTING IN A QUANTITATIVELY, QUALITATIVELY AND TIME-RELATED RESULT-POTENTIATING ACTION AS OBSERVED IN AN AGRICULTURAL CROP OF A PLANT OF INTEREST	2020/03/05
2020/01775	METHOD AND SYSTEM FOR TRACKING AND BILLING	2020/03/20
2020/02139	COMBINATION PHARMACEUTICAL AGENTS AS RSV INHIBITORS	2020/05/04
2020/02745	CEMENTITIOUS COMPOSITE CONSTITUENT RELATIONSHIPS	2020/05/13
2020/03260	METHOD FOR TRANSFERRING HEAT BETWEEN TWO OR MORE MEDIA AND SYSTEM FOR CARRYING OUT SAID METHOD	2020/06/01
2020/03370	METHOD OF MAPPING DROPLET SIZE OF AGRICULTURAL	2020/06/05

Application Number	Patent Title	Filing Date
	SPRAYERS	
2020/04200	MOBILE DEVICE CRADLE	2020/07/09
2020/04246	COMPOSITIONS COMPRISING AT LEAST ON N-ACETYLATED AND AT LEAST ONE FUCOSYLATED OLIGOSACCHARIDE FOR USE IN THE PROMOTION OF DIGESTIVE CAPACITY IN INFANTS AND YOUNG CHILDREN	2020/07/10
2020/04635	POLYMER BASED VULCANIZATION COMPOSITIONS AND METHOD FOR PREPARING THE COMPOSITIONS	2020/07/27
2020/04728	AGRICULTURAL MESH FOR BALING	2020/07/30
2020/04729	PHARMACEUTICAL COMPOUNDS	2020/07/30
2020/04910	2,4,6,7-TETRAHYDRO-PYRAZOLO[4,3-D]PYRIMIDIN-5-ONE DERIVATIVES AND RELATED COMPOUNDS AS C5A RECEPTOR MODULATORS FOR TREATING VASCULITIS AND INFLAMMATORY DISEASES	2020/08/07
2020/04953	AEROSOL GENERATION ARTICLE	2020/08/11
2020/05803	BICYCLIC ENONE CARBOXYLATES AS MODULATORS OF TRANSPORTERS AND USES THEREOF	2020/09/18
2020/06097	DEVICE FOR AUTOMATICALLY OPENING A CONTAINER PROVIDED WITH A SEALING ELEMENT	2020/10/01
2020/06107	COMPOSITIONS AND METHODS FOR TREATING ANEMIA	2020/10/02
2020/06127	IN-SITU PROCESS TO PRODUCE SYNTHESIS GAS FROM UNDERGROUND HYDROCARBON RESERVOIRS	2020/10/02
2020/06132	DEVICE FOR SHAPING TAMPONS	2020/10/02
2020/06133	4-AMINO-6-(1,3-BENZODIOXOLE)PICOLINATES AND THEIR USE AS HERBICIDES	2020/10/02
2020/06233	METHODS FOR ENHANCED MOBILITY IN WIRELESS SYSTEMS	2020/10/07
2020/06290	SYMMETRIC TONGUE & T-CROSS	2020/10/09
2020/06377	BORONIC ACID DERIVATIVES AND THERAPEUTIC USES THEREOF	2020/10/14
2020/06378	N-HETEROCYCLIC FIVE-MEMBERED RING-CONTAINING CAPSID PROTEIN ASSEMBLY INHIBITOR, PHARMACEUTICAL COMPOSITION THEREOF, AND USE THEREOF	2020/10/14
2020/06388	PROCESS FOR MAKING A FEED OF	2020/10/14

Application Number	Patent Title	Filing Date
	NORMAL BUTANOL, ISO-BUTANOL AND 2-ALKYL ALKANOL	
2020/06505	MICRO RNA EXPRESSION CONSTRUCTS AND USES THEREOF	2020/10/20
2020/06586	A PROCESS AND A PLANT FOR THE PRODUCTION OF METHANOL	2020/10/22
2020/06625	METHOD FOR DISSOLVING METALLOGENICALLY PRIMARY COPPER METALS OBTAINED FROM ORES AND/OR CHALCOPYRITE CONCENTRATES THAT CONTAIN SAME	2020/10/23
2020/06734	A PROCESS FOR METHANOL PRODUCTION USING A LOW-IRON CATALYST	2020/10/28
2020/06807	METHOD FOR THE TREATMENT AND/OR PREVENTION OF DAMAGED KERATIN	2020/10/30
2020/07079	DIGITAL ADVERTISING VEHICLE AND MOBILE ADVERTISING METHOD	2020/11/13
2021/00897	COMPOSITION FOR IMPROVED BONE FRACTURE HEALING	2021/02/10
2021/01431	METHOD AND DEVICE FOR CODING/DECODING IMAGE USING INTRA PREDICTION	2021/03/02
2021/01432	IMAGE ENCODING/DECODING METHOD AND DEVICE	2021/03/02
2021/02379	AN ENCODER, A DECODER AND CORRESPONDING METHODS USING COMPACT MV STORAGE	2021/04/12
2021/02385	SMART VALVE WITH INTEGRATED ELECTRONICS	2021/04/12
2021/03274	A COMPOSITION	2021/05/14
2021/03813	METHOD AND SYSTEM OF ISSUING A PAYMENT TOKEN	2021/06/03
2021/04245	METHOD AND SYSTEM OF VALIDATING CASH TRANSACTIONS	2021/06/21
2021/04512	INTRA PREDICTION-BASED VIDEO ENCODING/DECODING METHOD AND DEVICE	2021/06/29
2021/05115	CRYSTALLINE FORMS OF A PAR4 INHIBITOR	2021/07/20
2021/05432	PROCESS FOR PREPARATION OF COPPER COMPOUNDS	2021/07/30
2021/05699	SMART DEVICE FOR PROMOTING PRODUCTS ON A SHELF	2021/08/11
2021/06610	SOLID FABRIC CARE COMPOSITIONS AND METHODS FOR THE SAME	2021/09/08
2021/06673	SALIVARY BIOMARKERS OF BRAIN	2021/09/09

Application Number	Patent Title	Filing Date
	INJURY	
2021/06922	DIMENSIONALLY STABLE RECYCLABLE PLASTIC PACKAGE	2021/09/17
2021/07431	PARA-AMINOHIPPURIC ACID (PAH) AS A RENAL PROTECTIVE SUBSTANCE	2021/10/01
2021/07596	DEVICE FOR TREATING LIQUIDS BY ELECTROMAGNETISM AND STIRRING	2021/10/08
2021/07659	CAMERA MOUNTING ARRANGEMENT	2021/10/11
2021/07751	CLOSED BOTTOM VAPORIZER POD	2021/10/13
2021/07778	PROTEINS WITH CARDIOPROTECTIVE ACTIVITY	2021/10/13
2021/07822	ELECTRONIC DEVICE INCLUDING ANTENNA AND HEAT DISSIPATION STRUCTURE	2021/10/14
2021/07825	PHARMACEUTICAL PARENTERAL COMPOSITION OF DUAL GLP1/2 AGONIST	2021/10/14
2021/07888	CONTEXT CODING FOR TRANSFORM SKIP MODE	2021/10/15
2021/07889	HETEROARYL DERIVATIVE, METHOD FOR PRODUCING SAME, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME AS EFFECTIVE COMPONENT	2021/10/15
2021/07952	A PIPE WEAR MONITORING SYSTEM AND METHOD OF USE THEREOF	2021/10/18
2021/08104	PYRROLOTRIAZINE DERIVATIVES FOR TREATING KIT- AND PDGFRA-MEDIATED DISEASES	2021/10/21
2021/08214	SOLAR ENERGY ROOF TILE, SOLAR ENERGY SYSTEM AND METHOD FOR OBTAINING ENERGY FROM SOLAR RADIATION	2021/10/25
2021/08274	PEST CONTROL INCLUDING COMBINED MATING DISRUPTION AND TRAPPING	2021/10/26
2021/08359	NETWORK NODE, USER EQUIPMENT (UE), AND ASSOCIATED METHODS FOR SCHEDULING OF THE UE BY THE NETWORK NODE	2021/10/28
2021/09305	LOW-POLLUTION ANTIDEGRADANT COMPOUND AND ANTIDEGRADANT COMPOSITION AND RUBBER COMPOSITION COMPRISING THE SAME FOR TIRES	2021/11/19
2022/00398	ROASTING APPARATUS	2022/01/07
2022/00461	SYSTEM FOR ROASTING COFFEE	2022/01/10

Application Number	Patent Title	Filing Date
	BEANS	
2022/00511	RING-FUSED THIAZOLINO 2-PYRIDONES, METHODS FOR PREPARATION THEREOF AND THEIR USE IN THE TREATMENT AND/OR PREVENTION OF TUBERCULOSIS	2022/01/11
2022/00597	LIGHTING DEVICE FOR HANDHELD SURGICAL INSTRUMENT WITH SMOKE EVACUATION SYSTEM	2022/01/12
2022/00648	IMMUNOGLOBULINS AND USES THEREOF	2022/01/13
2022/00954	A GRID ANTENNA	2022/01/20
2022/01008	ADDITIVE MANUFACTURE OF COMPLEX IMPLANTABLE LIVING DEVICES	2022/01/21
2022/01154	NITENIN ANALOGUE COMPOUNDS AND THEIR USE IN THE TREATMENT OF CHRONIC AND ACUTE PAIN	2022/01/25
2022/01222	TRIAZOLO-PYRIMIDINE COMPOUNDS AND USES THEREOF	2022/01/26
2022/01351	BLAST HOLE DATA CAPTURE DEVICE AND BLAST HOLE MONITORING SYSTEM	2022/01/28
2022/01533	HERBICIDAL COMPOSITIONS	2022/02/03
2022/01568	SYSTEM AND METHOD FOR DETERMNING STATUS OF HEALTH OF ANIMALS ARRIVING AT A FEED LOCATION	2022/02/04
2022/01784	SALT AND CRYSTAL FORM OF COMPOUND HAVING AGONISTIC ACTIVITY TO S1P5 RECEPTOR	2022/02/10
2022/01902	CONTAINER FOR BEVERAGE PREPARATION	2022/02/14
2022/02114	USAGE OF ACCESS UNIT DELIMITERS AND ADAPTATION PARAMETER SETS	2022/02/18
2022/02238	NOVEL HETEROARYL-TRIAZOLE COMPOUNDS AS PESTICIDES	2022/02/22
2022/02308	METHOD FOR SCHEDULING RETRANSMISSIONS FOR CONFIGURED GRANTS IN NR-UNLICENSED	2022/02/23
2022/02559	KRAS G12C INHIBITORS AND METHODS OF USING THE SAME	2022/03/02
2022/02711	SUSTAINED-RELEASE DOSAGE FORMS OF RUXOLITINIB	2022/03/07
2022/02965	A PROCESS FOR PREPARATION OF A UREA DERIVATIVE	2022/03/11
2022/02966	MINIMIZING AGGLOMERATION OF DRUG PARTICLE COATING	2022/03/11

Application Number	Patent Title	Filing Date
	MATERIAL DURING STORAGE TO STABILIZE DISINTEGRATION TIMES OF PHARMACEUTICAL PRODUCTS	
2022/03113	WIND WALL	2022/03/15
2022/03241	A TABLE HAVING A HEATING APPLIANCE	2022/03/18
2022/03465	SYSTEM AND METHOD FOR DETERMINING BEST PRACTICES FOR THIRD PARTIES ACCESSING A HEALTH CARE NETWORK	2022/03/24
2022/03466	SYSTEM AND METHOD FOR PROVIDING ACCESS OF A USER'S HEALTH INFORMATION TO THIRD PARTIES	2022/03/24
2022/03467	UTILIZING A USER'S HEALTH DATA STORED OVER A HEALTH CARE NETWORK FOR DISEASE PREVENTION	2022/03/24
2022/03469	SYSTEM AND METHOD FOR MANAGING OFF-LABEL DRUG USE WITHIN A HEALTH CARE NETWORK	2022/03/24
2022/03471	SYSTEM AND METHOD OF ENHANCING SECURITY OF DATA IN A HEALTH CARE NETWORK	2022/03/24
2022/03685	ACCOUNTING FOR ERRORS IN OPTICAL MEASUREMENTS	2022/03/30
2022/03773	TAP AND CONTAINER OR BEER KEG HAVING A TAP	2022/04/01
2022/03911	PACKAGE DELIVERY METHOD AND SYSTEM	2022/04/06
2022/03985	EDIBLE CAN HOLDER WITH FLAPS	2022/04/07
2022/03986	WHEEL ASSEMBLY INCLUDING SIDEWALL COVER ASSEMBLY AND RELATED METHODS	2022/04/07
2022/05133	SYSTEM, METHOD AND DEVICE FOR TIME-OF-USE METERING	2022/05/10
2022/05350	FABRICATION OF CARBON FIBERS WITH HIGH MECHANICAL PROPERTIES	2022/05/13
2022/05383	NOVEL ANTI-NOGO-A ANTIBODIES	2022/05/16
2022/05645	IDENTIFICATION AND ANALYSIS OF MICROBIAL SAMPLES BY RAPID INCUBATION AND NUCLEIC ACID ENRICHMENT	2022/05/23
2022/05741	INFORMATION PROCESSING DEVICE AND METHOD, AND PROGRAM	2022/05/24
2022/05938	SMALL MOLECULE INHIBITORS OF KRAS G12C MUTANT	2022/05/27
2022/06888	STORAGE AND DELIVERY OF VIDEO DATA FOR VIDEO CODING	2022/06/21
2022/07857	COMPOSTABLE TOP LID	2022/07/14

Application Number	Patent Title	Filing Date
	STRUCTURE FOR A BEVERAGE PREPARATION CAPSULE	
2022/08405	MODIFIED SULFUR AND PREPARATION METHOD THEREFOR	2022/07/27
2022/09502	BEARING ASSEMBLY FOR A WHEEL UNIT	2022/08/25
2022/09530	IMMUNOMODULATING UREA AZALIDES	2022/08/25
2022/09728	USER EQUIPMENT AND METHOD FOR WARNING MESSAGES DELIVERY IN PRIVATE NETWORKS	2022/08/31
2022/09761	ANTIMICROBIAL SOLUTIONS AND METHODS OF USING THE SAME IN THE TREATMENT OR PREVENTION OF INFECTIONS	2022/08/31
2022/09840	STERILIZATION COMPOSITIONS AND METHODS FOR USING THEREOF	2022/09/02
2022/09946	METHOD AND SYSTEM OF GEOGRAPHICALLY MATCHING A USER TO A VENUE	2022/09/07
2022/09968	METHOD OF PREPARING GRANULAR FEED ADDITIVE	2022/09/07
2022/09998	DECODING AUDIO BITSTREAMS WITH ENHANCED SPECTRAL BAND REPLICATION METADATA IN AT LEAST ONE FILL ELEMENT	2022/09/08
2022/10105	TERMINAL AND COMMUNICATION METHOD	2022/09/12
2022/10150	EXTRACTION DEVICE ASSEMBLY	2022/09/13
2022/10154	COMPOSITIONS, KITS, METHODS AND USES FOR CLEANING, DISINFECTING, STERILIZING AND/OR TREATING	2022/09/13
2022/10306	TRUSS AND SUPPORTING STRUCTURES CONSTRUCTED THEREFROM	2022/09/16
2022/10355	COMPOSITIONS AND THERAPEUTIC USES OF CANNABIDIOL	2022/09/19
2022/10882	ANTI-FUNGAL POLYPEPTIDES	2022/10/03
2022/10883	PROCESS FOR DIRECT SULFATION OF POLYSACCHARIDES IN AN ECOLOGICALLY ACCEPTABLE SOLVENT	2022/10/03
2022/10885	NEW IMIDAZOLONE DERIVATIVES AS INHIBITORS OF PROTEIN KINASES IN PARTICULAR DYRK1A, CLK1 AND/OR CLK4	2022/10/03
2022/10886	AEROSOL COMPOSITION AND METHOD FOR SANITISATION	2022/10/03

Application Number	Patent Title	Filing Date
2022/10887	PROBIOTIC COMPOSITIONS	2022/10/03
2022/10888	MTORC1 MODULATORS AND USES THEREOF	2022/10/03
2022/10889	NATURAL ANTIBODIES IN PROPHYLAXIS AND THERAPY	2022/10/03
2022/10890	METHODS FOR CHARACTERIZING THE NUTRITIONAL NEEDS OF AN ANIMAL AND FOR SELECTING FOOD PRODUCTS	2022/10/03
2022/10891	PALATABLE SUPPORT COMPOSITIONS FOR ADMINISTRATION OF MEDICINAL PRODUCTS	2022/10/03
2022/10892	STABILIZED COSMETIC COMPOSITIONS WITH N, N'-DI-ACETYL CYSTINE	2022/10/03
2022/10899	SOLUTONS FOR INCREASING THE STABILITY AND SHELF LIFE OF AN ORGAN AND TISSUE PRESERVATION SOLUTION	2022/10/04
2022/10919	GENETICALLY MODIFIED IMMUNE CELLS EXPRESSING A CHIMERIC ANTIGEN RECEPTOR AND HAVING REDUCED PROINFLAMMATORY CYTOKINE SIGNALING	2022/10/04
2022/10923	SPLIT EXPANSION HEAT PUMP CYCLE	2022/10/04
2022/10953	METHODS FOR ARTIFICIAL POLLINATION AND APPARATUS FOR DOING THE SAME	2022/10/05
2022/10963	CELL LYSIS SYSTEMS AND METHODS	2022/10/05
2022/10974	SHEWANELLA ATLANTICA-DERIVED PROTEIN-EXPRESSING MICROORGANISM AND L-AMINO ACID PRODUCTION METHOD USING SAME	2022/10/06
2022/11004	3CLPRO-TARGETING PHILLYRIN, DERIVATIVE THEREOF, AND USE THEREOF AGAINST NOVEL CORONAVIRUS	2022/10/07
2022/11057	ANTI-TREM2 ANTIBODIES AND METHODS OF USE THEREOF	2022/10/10
2022/11066	COLD ROLLED, ANNEALED AND PARTITIONED STEEL SHEET AND METHOD OF MANUFACTURING THE SAME	2022/10/10
2022/11083	PROCESS OF MAKING N,N'-DIACETYL-L-CYSTINE	2022/10/10
2022/11084	FLUSHING AND CONNECTION ARRANGEMENTS FOR PERCUSSION DRILL TOOLS	2022/10/10

Application Number	Patent Title	Filing Date
2022/11085	A METHOD OF SECURING A PAYMENT CARD TRANSACTION	2022/10/10
2022/11118	TREATMENT OF VIRAL INFECTION BY APHERESIS	2022/10/11
2022/11119	A SAFETY BARRIER	2022/10/11
2022/11124	SYNTHESIS OF A MONOACYLGLYCEROL LIPASE INHIBITOR	2022/10/11
2022/11137	METHODS FOR THE SEPARATION AND/OR PURIFICATION OF METALS	2022/10/11
2022/11174	A MODIFIED RELEASE MULTIPLE UNIT ORAL DOSAGE FORM OF DOXYLAMINE SUCCINATE AND PYRIDOXINE HYDROCHLORIDE AND A PROCESS FOR ITS PREPARATION	2022/10/12
2022/11246	BISPECIFIC ANTIBODY	2022/10/13
2022/11252	PROCESS OF MAKING N,N-DIACETYL-L-CYSTINE DISODIUM SALT FROM CYSTINE AND ACETYL CHLORIDE IN METHANOL IN THE PRESENCE OF SODIUM HYDROXIDE	2022/10/13
2022/11305	NOVEL WIRE CONNECTION TERMINAL AND WELDING JOINT	2022/10/14
2022/11306	DAMPING DEVICE AND WIND TURBINE GENERATOR SYSTEM	2022/10/14
2022/11307	REGULATION METHOD AND REGULATION DEVICE FOR CONVERTER OF WIND TURBINE GENERATOR IN WIND POWER PLANT	2022/10/14
2022/11308	ENDOXIFEN FOR THE TREATMENT OF BIPOLAR I DISORDER	2022/10/14
2022/11310	PROCESS FOR CONVERSION OF CARBON DIOXIDE AND POWER INTO FUELS AND CHEMICALS	2022/10/14
2022/11312	COMPOSITIONS COMPRISING ALGAE AND METHODS OF USING SAME FOR INCREASING ANIMAL PRODUCT PRODUCTION	2022/10/14
2022/11355	A LIQUID LAUNDRY COMPOSITION	2022/10/17
2022/11357	TABLET	2022/10/17
2022/11358	RAPID FIELD-DEPLOYABLE DETECTION OF SARS-COV-2 VIRUS	2022/10/17
2022/11405	ANTI-CD73-ANTI-PD-1 BISPECIFIC ANTIBODY AND USE THEREOF	2022/10/18
2022/11406	MODELING MATERIAL AND METHOD FOR THE PRODUCTION THEREOF	2022/10/18
2022/11408	METHOD FOR PRODUCING A MOLDING COMPOUND	2022/10/18

Application Number	Patent Title	Filing Date
2022/11410	METHOD FOR TREATING CERVICAL CANCER	2022/10/18
2022/11411	CELL	2022/10/18
2022/11457	ANTI-CD73 ANTIBODY AND USE THEREOF	2022/10/19
2022/11463	VARNISH	2022/10/19
2022/11496	USER-CUSTOMIZABLE ORTHOPEDIC ALIGNMENT DEVICE WITH ALIGNMENT GAP	2022/10/20
2022/11497	HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION	2022/10/20
2022/11537	METHOD AND APPARATUS FOR PRODUCING TWO-PIECE CAN BODIES FROM A LAMINATED METAL SHEET AND A TWO-PIECE CAN BODY PRODUCED THEREBY	2022/10/21
2022/11539	SYSTEM AND METHOD FOR A MULTI-CHAMBER BIOMASS REACTOR	2022/10/21
2022/11542	SYSTEM AND METHOD FOR COMMUNICATING HEALTH-RELATED MESSAGES REGARDING VENTILATED PATIENTS	2022/10/21
2022/11598	CATIONIC STABILIZATION	2022/10/24
2022/11627	ADHESION-PREVENTING AGENT AND METHOD FOR PREVENTING ADHESION USING SAME	2022/10/25
2022/11628	COMPOSITION	2022/10/25
2022/11629	COSMETIC COMPOSITION WITH ENHANCED COLOR STABILITY FOR RETINOIC ACID PRECURSOR	2022/10/25
2022/11632	DEVICE AND METHOD TO EXTRACT WATER FROM HUMID AMBIENT AIR	2022/10/25
2022/11633	METHODS FOR REDUCING RNA IMMUNOGENICITY AND RNA MOLECULES WITH DECREASED IMMUNOGENICITY	2022/10/25
2022/11665	AMMONIA OXIDIZING BACTERIA FOR TREATMENT OF ACNE	2022/10/26
2022/11689	METHOD FOR CONTROLLING POWERTRAIN, AND POWERTRAIN	2022/10/26
2022/11691	USE OF TLR4 MODULATOR IN THE TREATMENT OF COCCIDIOSIS	2022/10/26
2022/11731	BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS	2022/10/27
2022/11732	IMPLEMENT GROUND ENGAGING TIP ASSEMBLY HAVING TIP WITH TAPERED RETENTION CHANNEL	2022/10/27

Application Number	Patent Title	Filing Date
2022/11746	HAND-WASHING STATION	2022/10/27
2022/11749	TWO-COMPONENT COMPOSITION FOR FORMING AN INJECTABLE OR PUMPABLE ORGANO-MINERAL MATERIAL, AND ASSOCIATED SEALING METHODS AND USES	2022/10/27
2022/11750	AN EMERGENCY DISCHARGE CONTROL METHOD FOR AN INTERNAL COMBUSTION LOCOMOTIVE WITH INTEGRATED MAIN AND AUXILIARY STRUCTURE	2022/10/27
2022/11795	PERC CELL PREPARATION METHOD	2022/10/28
2022/11800	PROCESS FOR THE PREPARATION OF A FLAVOURING	2022/10/28
2022/11801	SYSTEMS AND METHODS FOR BLOCKING, CONFINING AND DECANTING SUSPENDED DUST PRESENT IN AN AREA	2022/10/28
2022/11837	NOVEL COMPOUNDS USEFUL AS POLY(ADP-RIBOSE) POLYMERASE (PARP) INHIBITORS	2022/10/31
2022/11838	MANAGEMENT OF ELECTRICAL POWER SUPPLY VIA ETHERNET CABLE	2022/10/31
2022/11839	IDENTIFICATION DEVICE FOR CONNECTION CABLES IN TELECOMMUNICATION-NETWORK JUMPER BOARDS	2022/10/31
2022/11843	ALPHA-SYNUCLEIN PROTOFIBRIL-BINDING ANTIBODIES	2022/10/31
2022/11847	NUCLEOSIDES AND NUCLEOTIDES WITH 3' ACETAL BLOCKING GROUP	2022/10/31
2022/11958	METHOD FOR OBTAINING LOW-MOLECULAR-WEIGHT HEPARINS AND LOW-MOLECULAR-WEIGHT HEPARINS THEREBY OBTAINED	2022/11/02
2022/12015	TELEPHONE NUMBER VERIFICATION	2022/11/03
2022/12136	ANTI-BK VIRUS ANTIBODY MOLECULES	2022/11/07
2022/13236	RIFLE SAFE	2022/12/07
2022/13349	COUPLING ARRANGEMENT	2022/12/09
2022/13542	MORINGA PEREGRINA SEED EXTRACT RICH IN 2,5-DIFORMYLFURAN, PROCESS FOR OBTAINING SAME AND USE THEREOF IN COSMETIC COMPOSITIONS	2022/12/14
2022/13543	EXTRACT OF MORINGA PEREGRINA SEED CAKE, METHOD	2022/12/14

Application Number	Patent Title	Filing Date
	FOR OBTAINING SAME AND USE THEREOF IN COSMETIC OR NUTRICOSMETIC COMPOSITIONS	
2022/13593	AEROSOL-GENERATING ARTICLE COMPRISING A FLAME-RETARDANT	2022/12/15
2022/13954	ZLD (ZERO LIQUID DISCHARGE) WASTEWATER TREATMENT	2022/12/22
2023/00355	MAIN BEAM FOR USE IN WIND-DRIVEN GENERATOR BLADE AND MANUFACTURING METHOD THEREFOR	2023/01/09
2023/00359	SELF-ALIGNING ROLLER BEARING OF ASYMMETRIC STRUCTURE	2023/01/09
2023/00690	A RICH MEDIA ENVIRONMENT	2023/01/16
2023/00916	BLENDED HYDROPONICS	2023/01/20
2023/01077	NOVEL AEROSOL-GENERATING SUBSTRATE COMPRISING MATRICARIA SPECIES	2023/01/25
2023/01276	SENSOR NETWORK-BASED ANALYSIS AND/OR PREDICTION METHOD, AND REMOTE MONITORING SENSOR DEVICE	2023/01/31
2023/01431	BLAST FURNACE FOR IRONMAKING PRODUCTION	2023/02/03
2023/01432	DEVICE TO INJECT A REDUCING GAS INTO A SHAFT FURNACE	2023/02/03
2023/01433	FILTRATION SYSTEM	2023/02/03
2023/01531	GABION TYPE PROTECTION STRUCTURE	2023/02/07
2023/01580	COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2023/02/08
2023/01581	DEVICE TO INJECT A REDUCING GAS INTO A SHAFT FURNACE	2023/02/08
2023/01582	BLAST FURNACE FOR IRONMAKING PRODUCTION	2023/02/08
2023/01583	BLAST FURNACE FOR IRONMAKING PRODUCTION	2023/02/08
2023/03325	PROCESS FOR PURIFYING A SYNTHESIS GAS	2023/03/03
2023/03372	ANTI-THEFT LOCKING APPARATUS FOR A WHEEL	2023/03/07
2023/03767	CANTILEVER MANIPULATOR SYSTEM FOR SPECIAL OPERATIONS	2023/03/23
2023/03768	NON-CONTACT DEFLECTION RECTIFYING METHOD, SYSTEM, EQUIPEMENT AND MEDIUM	2023/03/23
2023/03858	BOLTER	2023/03/27
2023/03968	COLLAGEN INK FOR 3D PRINTING	2023/03/29
2023/03994	A COMPOSITION FOR USE IN DUST	2023/03/30

Application Number	Patent Title	Filing Date
	SUPPRESSION AND ROAD STABILISATION	
2023/04212	ADDRESS EXCHANGE SYSTEMS AND METHODS	2023/04/06
2023/04223	ULTRAFAST PICKLING METHOD AND INSTALLATION THEREFOR	2023/04/06
2023/04491	A NOVEL FORMULATION FOR THE TREATMENT OF MUCOR MYCOSIS AND PROCESS THEREOF	2023/04/18
2023/04638	METHOD OF AUTO-CONVERTING FLUID ENTHALPY TO FLUID JET KINETIC ENERGY THROUGH A CONVERGENT NOZZLE	2023/04/21
2023/05023	PREPARATION METHOD FOR CANNFLAVIN COMPOUNDS	2023/05/05
2023/05385	AMIDE DERIVATIVE HAVING ANTIVIRAL ACTIVITY	2023/05/17
2023/05388	HOP EXTRACT	2023/05/17
2023/05417	A CABLE GLAND	2023/05/18
2023/05456	SAFETY SYSTEM	2023/05/19
2023/05504	IMPROVED METHOD FOR RECYCLING PET BY ALCOHOLYSIS	2023/05/22
2023/05524	MOON PHASE DISPLAY	2023/05/22
2023/05566	INTEGRATED WATERPROOF SEAL ASSEMBLY AND USE THEREOF	2023/05/23
2023/05582	HERBAL COMPOSITION FOR DIABETES MELLITUS	2023/05/24
2023/05633	A DEVICE AND METHOD FOR DETECTING TEXTILE WAVE-ABSORBING PROPERTY	2023/05/25
2023/05689	CATALYST AND METHOD FOR SULFUR-TOLERANT SHIFT CATALYTIC REACTION	2023/05/26
2023/05702	OXYGENATOR OF ORGANIC FLUIDS	2023/05/26
2023/05789	TUBULAR MEMBRANE HEAT EXCHANGER	2023/05/30
2023/05830	EXPLOSIVE COMPOSITION	2023/05/31
2023/05837	MEASURING DEVICE	2023/05/30
2023/05844	CONGESTION CONTROL FOR SIDELINK TRANSMISSIONS	2023/05/31
2023/05870	A METHOD FOR ASSESSING PEDIATRIC ORAL HEALTH AND SYSTEM THEREOF	2023/06/01
2023/05897	A SYSTEM TO ANALYSE SPREAD SPECTRUM USING DS, FH AND PN SEQUENCE TECHNIQUES	2023/06/02
2023/05937	FLAT RIBBON TYPE CONDUCTIVE WIRE BODY AND FLAT RIBBON TYPE WIRE HARNESS	2023/06/05
2023/05955	COUPLED MULTI-PURPOSE DEVICE, FOR THE RUNNING	2023/06/05

Application Number	Patent Title	Filing Date
	INSTALLATION OF VINEYARD ACCESSORIES, IN PARTICULAR STAKES	
2023/05982	A QUANTITY SURVEYING DATA MANAGEMENT SYSTEM	2023/06/06
2023/05989	REDOX BY IN-SITU OZONATION	2023/06/06
2023/06055	HYDRAULIC BINDER WITH LOW CARBON FOOTPRINT AND HIGH EARLY STRENGTH	2023/06/07
2023/06084	A GOLF CLUB HEAD CLEANER	2023/06/08
2023/06119	HEAT-CONDUCTING HALOGEN-FREE FLAME-RETARDANT INSULATING POLYPROPYLENE FILM AND PREPARATION METHOD THEREOF	2023/06/09
2023/06120	METHOD FOR SIMULTANEOUSLY DETERMINING SIX DRUG RESIDUES IN BEEF AND MUTTON BY HIGH EFFICIENCY LIQUID CHROMATOGRAPHY-TANDEM MASS SPECTROMETRY	2023/06/09
2023/06173	VERSATILE SYSTEM EQUIPPED WITH A PAIR OF MECHANISMS WITH ECCENTRIC ELEMENTS CAPABLE OF MOVING IN ROTATION	2023/06/12
2023/06190	AMORPHOUS SOLID DISPERSION FORMULATION	2023/06/12
2023/06226	SULFONE DERIVATIVE PRODUCTION METHOD	2023/06/13
2023/06279	THERAPY OF POST-OPERATIVE EMESIS WITH AMISULPRIDE	2023/06/15
2023/06284	INTELLIGENT LOGISTICS INFORMATION QUERY EQUIPMENT	2023/06/15
2023/06291	REPLACEABLE CARTRIDGE FOR BREATHALYZER	2023/06/15
2023/06329	COMPREHENSIVE CONSTRUCTION METHOD FOR PRECAST SLAB FORMWORK SINKING IN LOCAL DEEP PIT AT BOTTOM OF FLOODPLAIN DEEP FOUNDATION PIT	2023/06/19
2023/06379	SYSTEM FOR DETECTING HEAVY METALS COMPOUND POLLUTED SOIL AND METHOD THEREOF	2023/06/20
2023/06384	A DIESEL EXHAUST FLUID TANK ASSEMBLY	2023/06/20
2023/06408	VESSEL AND SYSTEM FOR REDUCING PACKAGING WASTE	2023/06/20
2023/06412	CONNECTOR STRUCTURE FOR AUTOMOTIVE SENSOR	2023/06/21
2023/06414	METHOD FOR PROVIDING STABLECOIN SERVICES OVER THE	2023/06/21

Application Number	Patent Title	Filing Date
	BLOCKCHAIN NETWORK AND BLOCKCHAIN SYSTEM USING THE SAME	
2023/06433	APPARATUS AND METHOD FOR DETECTING MISFOLDED PROTEIN IN BIOLOGICAL SAMPLE	2023/06/21
2023/06442	WATER-SOLUBLE CANNABINOID FORMULATION AND PREPARATION METHOD THEREFOR	2023/06/21
2023/06454	BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS	2023/06/21
2023/06455	BIOFOULING PROTECTION OF ELEVATED VOLUME/VELOCITY FLOWS	2023/06/21
2023/06514	ORAL THERAPEUTIC DELIVERY	2023/06/23
2023/06515	TOPICAL COMPOSITION OF PIRFENIDONE	2023/06/23
2023/06557	A DIGITAL SHIP INCLINOMETER BASED ON INERTIAL NAVIGATION	2023/06/26
2023/06577	SYSTEM OF ELEMENTS FOR CONSTRUCTION OF BUILDING	2023/06/26
2023/06593	WATER SUPPLY VALVE	2023/06/27
2023/06595	SYSTEM FOR CONFINING AND COOLING MELT FROM THE CORE OF A NUCLEAR REACTOR	2023/06/27
2023/06597	METHOD AND DEVICE FOR MONITORING A PASSIVE HEAT REMOVAL SYSTEM	2023/06/27
2023/06616	INTEGRATED MULTIFUNCTIONAL ENDOSCOPIC APPARATUS	2023/06/27
2023/06645	CATALYTIC CRACKING PROCESS FOR A TRUE CIRCULAR SOLUTION FOR CONVERTING PYROLYSIS OIL PRODUCED FROM RECYCLED WASTE PLASTIC INTO VIRGIN OLEFINS AND PETROCHEMICAL INTERMEDIATES	2023/06/28
2023/06650	STRAIN HAVING ENHANCED L-GLUTAMIC ACID PRODUCTIVITY, CONSTRUCTION METHOD THEREFOR AND APPLICATION THEREOF	2023/06/28
2023/06651	HELMET LOCKING SYSTEM	2023/06/28
2023/06735	METHODS OF SELECTIVELY TARGETING CD6 HIGH CELLS AND DECREASING ACTIVITY OF T EFF CELLS	2023/06/30
2023/06742	EMULSION COMPOSITION AND USES THEREOF IN THE PREVENTION AND/OR TREATMENT OF SKIN DAMAGE CAUSED BY	2023/06/30

Application Number	Patent Title	Filing Date
	RADIATION	
2023/06750	HYDROGEL COMPOSITION AND USES THEREOF IN THE PREVENTION AND/OR TREATMENT OF SKIN DAMAGE CAUSED BY RADIATION	2023/06/30
2023/06773	BIODEGRADABLE REINFORCED HEAT-RESISTANT POLYLACTIC ACID RESIN AND PREPARATION METHOD THEREOF	2023/07/03
2023/06774	METHOD FOR CONTROLLING TEMPERATURE OF OUTLET OF CONCRETE MIXING PLANT	2023/07/03
2023/06778	THREE-PHASE CURRENT WIRELESS DETECTION DEVICE	2023/07/03
2023/06780	A PORTABLE TEST KIT FOR VIRUS DETECTION USING MICRO STRIP CAVITY RESONATOR BIOSENSOR	2023/07/03
2023/06781	A SYSTEM FOR CONTROLLING THE ELECTRICAL APPARATUS AND METHOD THEREOF	2023/07/03
2023/06782	A SYSTEM FOR IMPROVING THE SAFETY FEATURES IN WINDOWS	2023/07/03
2023/06783	A SYSTEM FOR CONTROLLING THE IRRIGATION OF WATER IN AGRICULTURE FIELD	2023/07/03
2023/06784	TEACHING BOARD SCANNER AND WIPER	2023/07/03
2023/06785	SOFTWARE-DEFINED DEVICE INTERFACE SYSTEM AND METHOD	2023/07/03
2023/06804	A RESISTIVE FLEXIBLE FABRIC POSITION SENSOR	2023/07/04
2023/06806	REPAIR MATERIAL WITH SAME COLOR FOR CRACKS OF NEWLY BUILT CEMENT PAVEMENTS	2023/07/04
2023/06807	ECOLOGICAL RESTORATION EQUIPMENT FOR SMALL AND MICRO WETLANDS	2023/07/04
2023/06808	TRADITIONAL CHINESE MEDICINE GUA SHA TREATMENT DEVICE	2023/07/04
2023/06809	POSITIONING DETECTING DEVICE FOR GEAR REFERENCE DIAMETER	2023/07/04
2023/06829	METHOD AND DEVICE FOR PREPARING WATERPROOF AND FLAME-RETARDANT TEXTILES	2023/07/05
2023/06830	AN ANTIHYPERTENSIVE DRUG AND ITS PREPARATION METHOD THEREOF	2023/07/05
2023/06831	METHOD FOR INCREASING YIELD OF PLANT SHOOT TIPS AND TENDER LEAVES	2023/07/05
2023/06833	COMBINED GEOPHYSICAL SURVEY	2023/07/05

Application Number	Patent Title	Filing Date
	PROBE	
2023/06834	A NOVEL ROBUST COVER	2023/07/05
2023/06862	CONTROL METHOD FOR COORDINATED MOVEMENT ADJUSTMENT OF COMBINED CRAWLER OF CONVEYOR	2023/07/06
2023/06863	RAPID MUTATION SCREENING METHOD FOR FOLIC ACID-PRODUCING BACTERIA	2023/07/06
2023/06864	SYSTEM FOR DETECTING DRAINAGE PIPELINE	2023/07/06
2023/06866	A SEISMIC HAZARD ASSESSMENT SYSTEM	2023/07/06
2023/06867	A METHOD PREPARING CHELATED DIFFERENT AMINO ACIDS FROM GARLIC TURPALE WASTE	2023/07/06
2023/06883	SILICA-SOL BONDED CORUNDUM SILICON-CARBIDE CASTABLE AND PREPARATION METHOD	2023/07/07
2023/06884	AUXILIARY CONTROL DEVICE FOR EXCAVATOR HYDRAULIC SYSTEM	2023/07/07
2023/06885	DISPLACEMENT SECONDARY REGULATION DEVICE AND CONTROL METHOD FOR HYDRAULIC PUMP	2023/07/07
2023/06890	SOLAR ELECTROCHEMICAL DEFLUORIDATION WATER PURIFIER	2023/07/07
2023/06891	GOJI BERRY BREAD BASED ON DIACYLGLYCEROL OIL AND ITS PREPARATION METHOD	2023/07/07
2023/06892	NEURAL NETWORK KEY AGREEMENT METHOD BASED ON FALSE PREDICTION	2023/07/07
2023/06893	SIGNAL COMPRESSION ENCRYPTION METHOD BASED ON MEMRISTOR CIRCUIT SYSTEM	2023/07/07
2023/06898	PROCESS OF FRACTIONATION AND RECOVERY OF FLAVONOIDS, TERPENES AND PREBIOTIC FIBER CONTAINING POLYSACCHARIDES FROM PLANT MATERIAL, USE OF PLANT MATERIAL, AND FLAVONOIDS, TERPENES AND PREBIOTICAL FIBER CONTAINING POLYSACCHARIDES	2023/07/07
2023/06917	AEROSOLIZABLE NICOTINE-CONTAINING FORMULATIONS	2023/07/07
2023/06926	ANTI-AGING AND ANTI-TUMOR ROSA ROXBURGHII PUREE FOR EXTRACTING SOD.VC, AND PREPARATION METHOD THEREOF	2023/07/07

Application Number	Patent Title	Filing Date
2023/06929	LARGE-STROKE ADJUSTABLE SUPPORT	2023/07/10
2023/06930	PRESERVED VEGETABLE EXTRACT AND EXTRACTION METHOD AND APPLICATION THEREOF	2023/07/10
2023/06931	MULTIFUNCTIONAL WATER METER BOX	2023/07/10
2023/06932	METHOD FOR PROCESSING PRESERVED VEGETABLE	2023/07/10
2023/06933	PASSWORD LOCKING METHOD, PASSWORD UNLOCKING METHOD AND PASSWORD LOCKING AND UNLOCKING METHOD FOR INTELLIGENT TOUCH SCREEN APPARATUS	2023/07/10
2023/06934	INTELLIGENT PHOTOGRAPHING METHOD FOR MICRO-COURSE TRACKING	2023/07/10
2023/06938	A METHOD AND SYSTEM FOR GENERATING AND CLASSIFYING A HYBRID FEATURE VECTOR FOR BIOMETRIC RECOGNITION	2023/07/10
2023/06939	A SYSTEM FOR PRODUCTION OF OMEGA-3 CAPSULES FROM FISH OFFAL	2023/07/10
2023/06940	A METHOD FOR ANALYZING THE IMPLICATIONS OF E-LEARNING EDUCATION	2023/07/10
2023/06942	A NATURAL INGREDIENTS FORMULATION FOR DEVELOPING A MOSQUITO REPELLENT LAMP	2023/07/10
2023/06943	A PHYSICAL UNCLONABLE FUNCTIONS (PUF)-BASED LIGHTWEIGHT AUTHENTICATION SYSTEM FOR UNMANNED AERIAL VEHICLE (UAV-IOT) GROUND NETWORK	2023/07/10
2023/06944	A METHOD FOR FLUORIDE ADSORPTION AND PHOTOREDUCTION OF CR(VI) USING AL3+ MODIFIED MINE-WASTE	2023/07/10
2023/06945	A SYSTEM AND METHOD FOR OBTAINING BALANCED ELECTROENCEPHALOGRAPHY (EEG) SIGNALS BASED ON AN OPTIMIZATION TECHNIQUE	2023/07/10
2023/06946	A NANOPARTICLE-BASED DRUG DELIVERY SYSTEM FOR TARGETED TREATMENT OF CANCER	2023/07/10
2023/06947	A NOVEL NANOPARTICLE-BASED COATING COMPOSITION FOR	2023/07/10

Application Number	Patent Title	Filing Date
	CORROSION RESISTANCE AND METHOD THEREOF	
2023/06948	A SYSTEM FOR OPTIMIZING DRUG ABSORPTION BY CANCEROUS CELLS USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING	2023/07/10
2023/06957	METHOD FOR PRODUCING A FORMED COMPONENT FROM A STEEL BLANK, USE OF SUCH A COMPONENT, AND CORRESPONDING BLANK AND COMPONENT	2023/07/10
2023/06963	COMPOSITION HAVING GOOD BIOCOMPATIBILITY AND USE THEREOF IN ORAL PRODUCTS	2023/07/10
2023/06964	ANTI-SENSITIVE TOOTHPASTE CAPABLE OF ENHANCING FLUORINE ACTIVITY	2023/07/10
2023/06981	BLACK FUNGUS SNACK FOOD AND PREPARATION METHOD THEREFOR	2023/07/11
2023/06982	INTELLIGENT CONTROL NETWORK SYSTEM	2023/07/11
2023/06983	METHOD FOR EFFICIENTLY ESTABLISHING INSECT CELL LINE	2023/07/11
2023/06984	METHOD FOR IMPROVING UNBAGGING SURVIVAL RATE OF GRAFTED SEEDLINGS OF CITRUS HYBRIDS	2023/07/11
2023/07001	PRESSURE VESSEL SYSTEM	2023/07/11
2023/07018	FUSARIUM AVENACEUM AND APPLICATION IN WEEDING	2023/07/12
2023/07019	INTELLIGENT HYPERTENSION DETECTION DEVICE	2023/07/12
2023/07022	IMPACT-RESISTANT CEMENTED CARBIDE HEXAHEDRAL ANVIL AND PREPARATION METHOD AND USE THEREOF	2023/07/12
2023/07023	A WALKING AID FOR MEDICINE REHABILITATION OF JOINT MOVEMENTS	2023/07/12
2023/07046	SYPHILIS DIAGNOSIS AND THERAPEUTIC EFFECT EVALUATION KIT	2023/07/13
2023/07047	METHOD AND SYSTEM FOR ANALYZING INCREASE AND DECREASE OF LARGE EARTHQUAKE, AS WELL AS DEVICE AND MEDIUM	2023/07/13
2023/07048	COOLING TOWER STEAM CONDENSATION RECOVERY	2023/07/13

Application Number	Patent Title	Filing Date
	DEVICE FOR REFRIGERATION USING INDUSTRIAL LOW-TEMPERATURE WASTE HEAT	
2023/07073	A CAMELLIA SINENSIS AND VITIS BASED COMPOSITION AND A PROCESS OF PREPARATION THEREOF	2023/07/13
2023/07080	A GROUP BEHAVIOR ANALYSIS SYSTEM ORIENTED TO ONLINE SOCIAL MEDIA	2023/07/14
2023/07081	ELECTRIC SPRING REGULATION SYSTEM AND REGULATION METHOD FACING DEMAND SIDE OF MICROGRID	2023/07/14
2023/07082	UNATTENDED SYSTEM FOR BELT CONVEYOR	2023/07/14
2023/07083	MODEL PREDICTIVE CURRENT CONTROL METHOD FOR DUAL THREE-PHASE PERMANENT MAGNET SYNCHRONOUS MOTOR	2023/07/14
2023/07084	METHOD FOR DETERMINING GEOLOGICAL TYPE	2023/07/14
2023/07086	PORTABLE SAMPLING DEVICE FOR SPHERICAL SAMPLE	2023/07/14
2023/07088	ASPIRATOR FOR LAPAROSCOPY	2023/07/14
2023/07090	DEVICE FOR INSPECTING STATE OF STUDENT IN CLASS	2023/07/14
2023/07092	METHOD AND SYSTEM FOR INSPECTING ATTENTION IN CLASS ON THE BASIS OF LINE OF SIGHT OF HUMAN EYE	2023/07/14
2023/07094	METHOD AND SYSTEM FOR INSPECTING STATE IN CLASS ON THE BASIS OF EYE AND HEAD POSE	2023/07/14
2023/07095	SURFACE NANO-COATING MODIFIED FIBER AND METHOD FOR PREPARING SAME	2023/07/14
2023/07098	PRICKING HOLE MECHANISM	2023/07/14
2023/07099	SPRAYING DEVICE	2023/07/14
2023/07101	MULTI-OBJECTIVE TRACKING METHOD BASED ON MULTI-AGENT COLLABORATIVE DEEP REINFORCEMENT LEARNING	2023/07/14
2023/07119	ADAPTIVE PHOTOVOLTAIC PANEL CLEANING DEVICE	2023/07/14
2023/07121	HEAT INSULATION CONVEYING MECHANISM OF HEAT SHRINK PACKAGING MACHINE FOR COSMETICS PRODUCTION	2023/07/14
2023/07124	INTEGRATED APPARATUS FOR WEIGHING AND SORTING IN	2023/07/17

Application Number	Patent Title	Filing Date
	LOGISTICS UPDATE AND USE METHOD THEREOF	
2023/07125	A REAL-TIME ACQUISITION SYSTEM FOR CORE DISPLACEMENT IN A DRILLING SAMPLER	2023/07/17
2023/07126	A METHOD OF PROTECTING CERAMIC CRAFTSMANSHIP BASED ON INFORMATION VISUALIZATION	2023/07/17
2023/07127	CONVENIENT DRAWING DEVICE FOR MECHANICAL DESIGN	2023/07/17
2023/07132	STEEL FRAME STRUCTURE OF TIE POINT OF WALL ATTACHING FRAME FOR BUILDING HOIST RISING TO ROOF AND CONSTRUCTION METHOD THEREFOR	2023/07/17
2023/07139	A RAINWATER HARVESTING SYSTEM	2023/07/17
2023/07142	NON-QUENCHED AND TEMPERED ROUND STEEL WITH HIGH STRENGTH, HIGH TOUGHNESS AND EASY CUTTING AND MANUFACTURING METHOD THEREFOR	2023/07/17
2023/07143	A SYSTEM, A METHOD AND A DEVICE FOR SCREENING A DISEASE IN A SUBJECT	2023/07/17
2023/07162	TUBULAR SOFC WITH CATHODE CURRENT COLLECTOR AND METHOD FOR FORMING CATHODE FUEL COLLECTOR	2023/07/17
2023/07168	PERSONAL HYGIENE NURSING PAD	2023/07/18
2023/07169	A METHOD OF GENERATING TERRAIN INFORMATION BY AIRBORNE LASER SCANNING	2023/07/18
2023/07171	INFLATABLE BUFFERING CHILD PROTECTIVE CLOTHING	2023/07/18
2023/07172	METHOD FOR PREPARING POLLEN FOR CITRUS CROSS POLLINATION	2023/07/18
2023/07183	LOW-CARBON CONSTRUCTION BINDER AND MATERIALS PROVIDING COMFORT IN SUMMER	2023/07/18
2023/07184	WIRELESS ROUTER WITH EMERGENCY BROADCAST FUNCTIONALITY	2023/07/18
2023/07198	LYOPHILIZED MESENCHYMAL STEM CELLS	2023/07/18
2023/07204	PREPARATION METHOD AND PREPARATION DEVICE OF BLACK PHOSPHORUS NANOPARTICLES	2023/07/19

Application Number	Patent Title	Filing Date
2023/07206	METHOD FOR PREPARING QUALITY CONTROL MATERIAL FOR HIV-1 VIRAL LOAD PROFICIENCY TESTING USING 8E5 CELLS AND APPLICATION THEREOF	2023/07/19
2023/07207	A RARE EARTH DOPED NANO-COPPER ALLOY AND ITS PREPARATION METHOD	2023/07/19
2023/07208	DOUBLE-LAYER WRAPPED BIOLOGICAL COMPOUND FERTILIZER AND PREPARATION METHOD THEREOF	2023/07/19
2023/07209	COMPOSITION FOR TREATING ACUTE HOOF INFLAMMATION OF DAIRY COWS AND PREPARATION METHOD THEREOF	2023/07/19
2023/07210	SYSTEM AND METHOD FOR REDUCTION OF MOISTURE IN POROUS MATERIALS	2023/07/19
2023/07211	GIRDER AND ARCH COMBINATION RIGID FRAME BRIDGE AND PIER CONSTRUCTION METHOD THEREOF	2023/07/19
2023/07214	METHOD AND SYSTEM OF GENERATING RADIOTHERAPY PLAN FOR LUNG CANCER BASED ON DOSE PREDICTION AND AUXILIARY CONTOURS	2023/07/19
2023/07217	WIRELESS ROUTER WITH EMERGENCY BROADCASTING FUNCTIONALITY	2023/07/19
2023/07228	METHOD FOR PREPARING STEEL SHEET STRIPS VIA ELECTRO-HYDROGEN COOPERATION UNDER MICROWAVE RADIATION	2023/07/19
2023/07229	SUPPORT LINK FOR A CONVEYOR BELT	2023/07/19
2023/07241	A LARGE VOLUME DEVICE SYSTEM AND METHOD FOR MEASURING THE DRY DENSITY OF DIFFERENT DEPTH SOIL LAYERS	2023/07/20
2023/07242	METHOD OF ARTIFICIAL SELECTION AND BREEDING OF NEW STRAIN OF ROASTED TOBACCO	2023/07/20
2023/07243	METHOD FOR DETERMINING PATHOGENICITY OF E. AMYLOVORA WITH FRAGRANT PEAR (PYURS SINKIANGENSIS YU) BRANCH IN VITRO WATER CULTURE METHOD	2023/07/20
2023/07244	METHOD FOR RAPIDLY IDENTIFYING DISEASE	2023/07/20

Application Number	Patent Title	Filing Date
	RESISTANCE TO FIRE BLIGHT DISEASE BY IN VITRO BRANCH INOCULATION	
2023/07245	APPLICATION METHOD FOR INOCULATING RHIZOBIA TO PROMOTE YIELD INCREASE AND QUALITY IMPROVEMENT OF SUBSURFACE DRIP IRRIGATION MEDICAGO SATIVA L.	2023/07/20
2023/07246	INTELLIGENT ENGLISH TEACHING SYSTEM	2023/07/20
2023/07247	SUBWAY TUNNEL CONSTRUCTION SUPPORT	2023/07/20
2023/07248	RESEARCH METHOD FOR LOCALIZATION DETECTION OF CIRCRNA IN PLANTS	2023/07/20
2023/07249	PRACTICAL TEACHING INTEGRATED EQUIPMENT FOR FINANCIAL COUNTING NOTES AND BUNDLING NOTES	2023/07/20
2023/07264	METHOD AND DEVICE FOR AXIALLY REINFORCING ELECTROMAGNETIC FORMING COIL	2023/07/20
2023/07267	USE OF RESVERATROL IN CELL ELECTROTRANSFECTION AND ELECTROTRANSFECTION SOLUTION	2023/07/20
2023/07276	IDENTITY AUTHENTICATION METHOD AND APPARATUS, DEVICE, CHIP, STORAGE MEDIUM, AND PROGRAM	2023/07/20
2023/07280	BACILLUS ATROPHAEUS SXYGJ-3 FOR THE CONTROL OF CITRUS SOUR ROT, BIOLOGICAL BACTERIAL AGENT AND APPLICATION THEREOF	2023/07/21
2023/07282	AN INTELLIGENT MULTI-SENSORY TRACK INSPECTION ROBOT SYSTEM	2023/07/21
2023/07287	DOUBLE-LAYER PHOTOVOLTAIC GLASS CURTAIN WALL WITH NATURAL VENTILATION AND HEAT DISSIPATION	2023/07/21
2023/07288	A PROBABILITY DEMONSTRATION MODEL FOR MATH TEACHING	2023/07/21
2023/07292	PLUGGING AGENT FOR OIL EXTRACTION IN OILFIELD AND A PREPARATION METHOD THEREFOR AND APPLICATION THEREOF	2023/07/21
2023/07313	DISINFECTION FUNGICIDE MIXER	2023/07/21
2023/07314	FECAL LEAKAGE BOARD	2023/07/21

Application Number	Patent Title	Filing Date
	PRODUCTION EQUIPMENT	
2023/07320	METHOD FOR FILTERING NONHOMOLOGOUS FRAGMENTS IN SEQUENCE MATRIX OF ORTHOLOGOUS NUCLEAR PROTEIN-CODING GENES	2023/07/24
2023/07321	BACTERIAL AGENT FOR DEGRADING POLYETHYLENE FILM AND ITS APPLICATION	2023/07/24
2023/07322	AI-DRIVEN SYSTEM FOR EARLY DETECTION AND DIAGNOSIS OF CATARACTS THROUGH IMAGE RECOGNITION AND MACHINE LEARNING ALGORITHMS	2023/07/24
2023/07349	HIGH-POWER AND HIGH-VOLTAGE PULSE GENERATING CIRCUIT	2023/07/25
2023/07352	ALARM DEVICE USED IN CASE OF NOT ENABLING PARKING BRAKE BY DRIVER AT TIME OF LEAVING SEAT	2023/07/25
2023/07353	SHAFT SYSTEM LIFTING AND PROPELLER INSTALLATION PROCESS	2023/07/25
2023/07354	A FIRE RETARDANT COATING OF METAL SURFACE	2023/07/25
2023/07357	PETG DECORATIVE FILM MATERIAL AND PREPARING METHOD THEREOF	2023/07/25
2023/07358	AN INTELLIGENT BODY TEMPERATURE MONITORING AND COOLING DEVICE AND ITS USE METHOD	2023/07/25
2023/07359	COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT WITH HIGH CYCLE PERFORMANCE AND PREPARATION METHOD THEREFOR	2023/07/25
2023/07360	COMPOSITE LOW-TEMPERATURE PHASE CHANGE COLD STORAGE AGENT AND PREPARATION METHOD THEREFOR	2023/07/25
2023/07361	ELECTRODIALYSIS DEVICE	2023/07/25
2023/07362	METHOD FOR GRANULATION OF SPHERICAL POTASSIUM MAGNESIUM SULFATE FERTILIZER	2023/07/25
2023/07363	PREPARATION METHOD FOR SPHERICAL PARTICLES OF POTASSIUM MAGNESIUM SULFATE FERTILIZER	2023/07/25
2023/07364	FLOTATION METHOD FOR POTASSIUM CHLORIDE FROM MAGNESIUM SULFATE SUBTYPE	2023/07/25

Application Number	Patent Title	Filing Date
	SALT LAKE	
2023/07365	SYSTEM FOR REDUCING CONCENTRATED STRESS OF OVERLYING COAL PILLARS IN A BALANCED WAY AND USING METHOD THEREOF	2023/07/25
2023/07366	METHOD OF EUDESMOL IN TREATMENT OF SYSTEMIC INFLAMMATORY RESPONSE SYNDROME	2023/07/25
2023/07370	DYNAMIC TRAFFIC OPTIMIZATION SYSTEM FOR ALLEVIATING URBAN TRAFFIC CONGESTION	2023/07/25
2023/07371	MOUNTING BRACKET CONVENIENT FOR FIXING	2023/07/25
2023/07372	A NOVEL PHARMACEUTICAL COMPOSITION FOR TREATMENT OF AUTOIMMUNE DISEASES AND PREPARATION METHOD THEREOF	2023/07/25
2023/07374	HYDRAULIC BINDER COMPOSITION COMPRISING BLAST FURNACE SLAG	2023/07/25
2023/07390	BATTERY CONVEYING DEVICE	2023/07/25
2023/07392	WIRELESS ROUTER WITH EMERGENCY BROADCASTING FUNCTION	2023/07/25
2023/07393	COMPOSITE CROSSARM AND POWER TRANSMISSION TOWER	2023/07/25
2023/07407	RAW MATERIAL TRANSPORTATION DEVICE FOR INTELLIGENT PLANT BASED ON 5G NETWORK	2023/07/25
2023/07408	AIR FILTER VEHICLE	2023/07/25
2023/07413	ENERGY-SAVING PRODUCTION PROCESS FOR ALUMINUM ELECTROMAGNETIC WIRE	2023/07/26
2023/07414	PARALLEL MECHANISM AND STABILITY AUGMENTATION PLATFORM	2023/07/26
2023/07415	COMMENT DIGGING SYSTEM FOR ELECTRONIC PRODUCTS BASED ON NEURAL NETWORK	2023/07/26
2023/07416	DRUG INTERACTION PREDICTION METHOD BASED ON DS EVIDENCE THEORY	2023/07/26
2023/07417	ACCESSORY ORDER GENERATING SYSTEM BASED ON CUSTOMIZATION	2023/07/26
2023/07420	DEDUSTING SYSTEM FOR NANO-MATERIAL PROCESSING WORKSHOP	2023/07/26
2023/07421	EFFICIENT ENGLISH TEACHING SYSTEM	2023/07/26

Application Number	Patent Title	Filing Date
2023/07432	STRAIN ALCALIGENES SP. AS1 AND MICROBIAL INOCULANT AND APPLICATION THEREOF	2023/07/26
2023/07433	FEED FOR IMPROVING FERTILITY OF GEESE AND PREPARATION METHOD THEREOF	2023/07/26
2023/07440	PARTICULATE MATTER ADSORBING AND CLEANING DEVICE FOR TREATMENT OF VOLATILE ORGANIC COMPOUNDS (VOCS) FROM CHEMICAL INDUSTRY	2023/07/26
2023/07441	AUTOMATIC BINDING GLOVE TURN-OVER MACHINE	2023/07/26
2023/07442	AUTOMATIC FEEDING DEVICE AND WORKING METHOD FOR FEEDING CATTLE AND SHEEP	2023/07/26
2023/07467	TECHCLEAN DIRECT HEAT EXCHANGE FILL	2023/07/26
2023/07471	PORTABLE HYDRAULIC SOIL DRILLING DEVICE FOR SAMPLING SOIL OF FOREST CARBON POOL	2023/07/27
2023/07472	THERMOELECTRIC CONVERSION EFFICIENCY DETECTION SYSTEM AND METHOD	2023/07/27
2023/07474	SYNTHESIS METHOD OF PHENOL-FORMALDEHYDE RESIN FOR ABRASIVE TOOLS AND ABRASIVES	2023/07/27
2023/07475	CALLUS CULTURE DEVICE FOR SORGHUM BREEDING	2023/07/27
2023/07477	LEG LIGAMENT STRETCHER	2023/07/27
2023/07478	INTELLIGENT BRIDGE TOWER CRACK DETECTION RING ROBOT	2023/07/27
2023/07480	SIMPLIFIED METERING MECHANISM	2023/07/27
2023/07483	MONOCLONAL ANTIBODIES AGAINST CLDN18.2 AND FC-ENGINEERED VERSIONS THEREOF	2023/07/27
2023/07512	ELECTROHYDRAULIC CONTROL ORIENTING APPARATUS FOR COILED TUBING DRILLING	2023/07/28
2023/07513	A METHOD FOR CULTIVATING DWARF SORGHUM MUTANTS	2023/07/28
2023/07515	REGULATION METHOD FOR PROMOTING EARLY FLOWER BUD DIFFERENTIATION AND FLOWER BRANCH INCREASE OF GRAPEFRUIT	2023/07/28
2023/07516	SUPPORT STRUCTURE FOR FLOTATION CELL	2023/07/28
2023/07517	LOW HEADROOM CLASSIFICATION AND GRAVITY CIRCUIT	2023/07/28

Application Number	Patent Title	Filing Date
2023/07519	EXTRACT OF SAUCE-FLAVORED DISTILLER'S GRAINS, PREPARATION METHOD AND APPLICATION THEREOF IN ANTI-INFLAMMATORY ELECTRONIC CIGARETTE LIQUID	2023/07/28
2023/07520	CHITOSAN ORGANIC FERTILIZER FOR SORGHUM BASED ON EXTREME MONASCUS	2023/07/28
2023/07521	METHOD FOR SIMULTANEOUSLY PRODUCING LACTIC ACID, GLYCERIN, ETHANOL AND HIGH-QUALITY FEED BY UTILIZING DISTILLER'S GRAINS	2023/07/28
2023/07523	A CARBON EMISSION MEASUREMENT METHOD FOR PREFABRICATED BRIDGE CONSTRUCTION	2023/07/28
2023/07524	A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING HERPES ZOSTER	2023/07/28
2023/07525	COGNITIVE THERAPEUTIC APPARATUS FOR ELECTRICAL STIMULATION BEHAVIOR CONVENIENT FOR PERSONAL USE	2023/07/28
2023/07533	OPERATING METHOD OF CARDIOVASCULAR INTERVENTIONAL SURGICAL DEVICE BASED ON INTEGRATION OF CALCIFIED TISSUE REMOVAL, RECOVERY AND COOLING	2023/07/28
2023/07549	WORMWOOD-FLAVORED CHINESE CHESTNUT BREWING POWDER AND PREPARATION METHOD THEREFOR	2023/07/28
2023/07559	A NOVEL CATALYTIC PROCESS FOR ENHANCING BIOFUEL PRODUCTION	2023/07/31
2023/07561	WELDING JIG	2023/07/31
2023/07562	5G-BASED MAGNETISM GATHERING SCAN MONITORING SYSTEM FOR MINING STEEL CORE CONVEYOR BELT AND METHOD THEREOF	2023/07/31
2023/07566	AN ENGINEERING PROJECT BIDDING QUOTATION ANALYSIS METHOD AND A SYSTEM AND A STORABLE MEDIUM	2023/07/31
2023/07568	A SHIELD ABNORMAL DATA DETECTION METHOD AND A SYSTEM BASED ON A Z-SCORE MODEL	2023/07/31
2023/07569	SYSTEM AND METHOD FOR	2023/07/31

Application Number	Patent Title	Filing Date
	PREDICTING AN ADVANCING HEART DISEASE USING A SQUEEZE RECURRENT NEURAL NETWORK WITH POLITICAL OPTIMIZATION FOR GENE EXPRESSION DATA ANALYSIS	
2023/07575	METHODS AND MODIFIED NUCLEOSIDES FOR TREATING CORONAVIRUS INFECTIONS	2023/07/31
2023/07582	SEEDER WITH ADJUSTABLE SEEDING SPACING	2023/07/31
2023/07605	A GROUND FISSURE DEFORMATION MONITORING SYSTEM AND MONITORING METHOD	2023/08/01
2023/07606	AN UNDERGROUND ROCK CORE FOOTAGE MONITORING DEVICE BASED ON AN ULTRASONIC SENSOR	2023/08/01
2023/07607	LARGE-BEARING-CAPACITY PILE AND CONSTRUCTION METHOD	2023/08/01
2023/07608	SLOPE SUPPORTING DEVICE FOR ROCK-SOIL FOUNDATION PIT CONSTRUCTION	2023/08/01
2023/07609	NOVEL INTELLIGENT MONITORING PRESSURE FILTER FOR MINERAL SLURRY DEWATERING	2023/08/01
2023/07616	PREPARATION AND APPLICATION METHODS FOR INACTIVATED VACCINE COMPOSITION FOR SWINE ATROPHIC RHINITIS	2023/08/01
2023/07618	HIGH-TEMPERATURE-RESISTANT PREPREG FOR USE IN PRODUCTION OF CARBON FIBER COMPOSITE MATERIAL AND PREPARATION METHOD THEREFOR	2023/08/01
2023/07628	NON-CIRCULAR GEAR PLANE MOVEMENT FEEDING DEVICE FOR SPINNING DEVICE AND WORKING METHOD THEREOF	2023/08/02
2023/07629	APPLICATION OF M3 MUSCARINIC RECEPTOR AGONISTS IN PREPARING MEDICINE FOR TREATING LIVER INJURY	2023/08/02
2023/07630	ORGANIC COW DUNG FERMENTED FERTILIZER AND PREPARATION METHOD THEREFOR	2023/08/02
2023/07631	PREDICTION AND EARLY WARNING METHOD FOR STABILITY OF MINE SURROUNDING ROCKS BASED ON LASER-DISPLACEMENT-SEPARATOR MONITORING	2023/08/02

Application Number	Patent Title	Filing Date
	PARAMETERS	
2023/07633	METHOD FOR PREPARING PUERARIAE RADIX ESSENCE INFUSION	2023/08/02
2023/07634	INTELLIGENT PHOTOVOLTAIC CONTROL SYSTEM FOR BUILDINGS AND CONTROL METHOD THEREOF	2023/08/02
2023/07638	AN ELECTROENCEPHALOGRAM COLLECTING ELECTRODE	2023/08/02
2023/07644	IRONLESS HIGH-POWER RADIAL AC PERMANENT-MAGNET SYNCHRONOUS MOTOR	2023/08/02
2023/07658	SELFIE STICK CONVENIENT FOR STORAGE	2023/08/02
2023/07659	DATA STORAGE DEVICE BASED ON INTERNET OF THINGS	2023/08/02
2023/07663	A REMOTE CENTRALIZED MONITORING SYSTEM AND METHOD FOR INTELLIGENT HOSIERY MACHINE BASED ON INTERNET OF THINGS TECHNOLOGY	2023/08/03
2023/07664	A HARVESTING DEVICE FOR ZANTHOXYLUM BUNGEANUM	2023/08/03
2023/07665	AN ELECTROENCEPHALOGRAM CAP	2023/08/03
2023/07666	AN ELECTROENCEPHALOGRAM SIGNAL COLLECTING HEADBAND	2023/08/03
2023/07667	TIME DOMAIN BOUNDARY ELEMENT PROCESSING METHOD FOR ELASTOPLASTIC DYNAMIC PLANE PROBLEMS	2023/08/03
2023/07668	PROCESS FOR EXTRACTING FLAVOCHROME OF MANGO PEELS BY USING SUBCRITICAL FLUID	2023/08/03
2023/07669	SYSTEM FOR QUALITY EVALUATION OF FRUIT POWDERS BASED ON INFRARED SPECTRUM DETECTION	2023/08/03
2023/07670	METHOD FOR TREATING WASTEWATER AFTER DEGUMMING AND COOKING OF BANANA FIBER	2023/08/03
2023/07671	FULL-AUTOMATIC AND INTELLIGENT PRESERVED VEGETABLE HARVESTER	2023/08/03
2023/07675	A METHOD AND SYSTEM FOR DESIGNING OIL AND GAS SEPARATORS BY USING AN APPLICATION	2023/08/03
2023/07676	REFUSE BAG ROLL, METHOD FOR DISPOSING OF REFUSE, AND METHOD FOR PROVIDING A	2023/08/03

Application Number	Patent Title	Filing Date
	REFUSE BAG ROLL	
2023/07678	FIRE RETARDANT	2023/08/03
2023/07697	ELECTRICAL HEATING HEAVY-DUTY CRUSHER	2023/08/04
2023/07698	METHOD FOR DETECTING TRACE ODOR GAS COMPONENTS IN AUTOMOBILES	2023/08/04
2023/07700	METHOD OF THE LAYERED MONITORING MULTI-PHYSICS FIELD INFORMATION OF STRATA IN THE BOREHOLE	2023/08/04
2023/07701	DIGITAL TWIN SMART FACTORY SIMULATION SYSTEM AND METHOD THEREOF	2023/08/04
2023/07704	MEGLUMINE MODIFIED ATTAPULGITE, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/08/04
2023/07705	SYSTEM FOR CIRCUMSTANCE DECOMPOSITION ANALYSIS FOR CRIMINAL SENTENCING, AND METHOD FOR THE SYSTEM THEREOF	2023/08/04
2023/07706	PHOTOVOLTAIC BACKPLANE HEAT DISSIPATION DEVICE	2023/08/04
2023/07707	MICROBIAL COUPLING DYE WASTEWATER TREATMENT DEVICE	2023/08/04
2023/07708	METHOD FOR CONSTRUCTING STABLE TREE STRUCTURE OF MOUNTAIN PEACH ORCHARD	2023/08/04
2023/07716	STRETCHING EQUIPMENT FOR PHYSICAL EXERCISE	2023/08/04
2023/07735	AUTOMATIC WIRE STRIPPING DEVICE FOR POWER INSULATED WIRES	2023/08/07
2023/07738	A RETAINING WALL STRUCTURE TO IMPROVE THE STABILITY AND SAFETY OF SLOPE PROTECTION	2023/08/07
2023/07761	INJECTION-BLOW-MOULDING MOULD AND METHOD	2023/08/07
2023/07768	TRANSVERSE-CUTTING AND LONGITUDINAL-BREAKING PREVENTION AND CONTROL METHOD FOR OUTBURST-ROCKBURST COMPOUND COAL ROCK DYNAMIC DISASTERS	2023/08/08
2023/07769	HEAT RECOVERY SYSTEM BETWEEN COMPRESSOR AND CONDENSER	2023/08/08
2023/07772	TAXI HEARSE	2023/08/08
2023/07773	METHOD FOR AUDIT DATA	2023/08/08

Application Number	Patent Title	Filing Date
	CLUSTERING BASED ON BERT MODEL	
2023/07774	METHOD FOR FINANCIAL DATA ANOMALY DETECTION, COMPUTER-READABLE MEDIUM AND ELECTRONIC DEVICE	2023/08/08
2023/07775	AUTOMATIC CENTERING DEVICE BASED ON OIL PRESS FOR WIND POWER FLANGE FORGING, AND METHOD THEREOF	2023/08/08
2023/07776	RIVERINE SAND VEGETATION RESTORATION AND PROTECTION STRUCTURE	2023/08/08
2023/07810	LOW-PHYTIC-ACID TARTARY BUCKWHEAT NOODLES AND PREPARATION METHOD THEREOF	2023/08/10
2023/07812	CULTIVATION METHOD FOR IMPROVING SPRING SEED YIELD OF SEMI-WINTER WHEAT	2023/08/10
2023/07813	NITROGEN-DOPED HOLLOW CARBON NANOSPHERE AND PREPARATION METHOD AND APPLICATION THEREOF	2023/08/10
2023/07815	RESIDUE SEPARATOR FOR SEWAGE TREATMENT	2023/08/10
2023/07818	A METHOD FOR IMPROVING THE QUALITY OF A CHROMIUM BRONZE CASTING THROUGH INVESTMENT CASTING	2023/08/10
2023/07824	AIR FILTRATION DEVICE	2023/08/10
2023/07838	SAMPLING DEVICE AND SAMPLE STORAGE DEVICE SUITABLE FOR SINGLE MOLECULE	2023/08/10
2023/07839	TORQUE LOADING TEST DEVICE FOR PLANETARY REDUCER OF A TUNNEL BORING MACHINE	2023/08/11
2023/07841	WHOLE-NUTRITION FOOD FORMULA SUITABLE FOR MALIGNANT TUMOUR PATIENTS AND PREPARATION METHOD THEREOF	2023/08/11
2023/07842	CRUSHING AND FERMENTING DEVICE FOR FEED PROCESSING	2023/08/11
2023/07843	LIGNOSULPHONATE PURIFICATION	2023/08/11
2023/07844	A UHPC BRIDGE BEAM SEGMENT DOCKING DEVICE AND CONSTRUCTION METHOD	2023/08/11
2023/07845	A RAW MATERIAL ADDING DEVICE FOR PREPARING CONCRETE BY VOLCANIC ASH AND A PREPARATION METHOD THEREOF	2023/08/11
2023/07846	A DUAL-PURPOSE DEVICE FOR	2023/08/11

Application Number	Patent Title	Filing Date
	BOARDING AND DISEMBARKATION	
2023/07882	A MEAL SUBSTITUTE POWDER WITH HYPOGLYCEMIC FUNCTION AND ITS PREPARATION METHOD	2023/08/14
2023/07883	COMPOSITION, METHOD AND SYSTEM TO SYNTHESIZE AND CHARACTERIZE POST-METALLOCENE TITANIUM COMPLEXES OF BIDENTATE DICARBOXYLIC ACIDS	2023/08/14
2023/07884	A SYSTEM AND METHOD FOR SYNTHESIZING GLASS AND ANALYZING EFFECT OF METAL OXIDE ON GLASS	2023/08/14
2023/07885	A METHOD AND SYSTEM FOR GENERATING GOOD QUALITY IMAGES FROM DEGRADED HAZY IMAGES	2023/08/14
2023/07886	A METHOD FOR SYNTHESIZING AND CHARACTERIZING DY3+ ACTIVATED SR2ZNSI2O7 PHOSPHORS	2023/08/14
2023/07913	DEVICES FOR COLLECTING GAS AND WATER OF A WILD HOT SPRING	2023/08/15
2023/07933	SPECIAL LONG-ACTING FERTILIZER FOR IMPROVING SALT TOLERANCE OF CROPS IN SALINE-ALKALI LAND AND PREPARATION METHOD THEREOF	2023/08/16
2023/07941	SUPPORT METHOD FOR TBM-BASED LARGE-SECTION ROADWAY EXCAVATION ENCOUNTERING WATER-CONDUCTING FISSURE ZONE	2023/08/16
2023/07972	APPLICATION OF STEM CELL-DERIVED EXOSOMES IN THE PREPARATION OF DRUGS FOR THE TREATMENT OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE	2023/08/16
2023/08003	PONDED ASH BENEFICIATION SYSTEM AND RELATED METHODS	2023/08/17
2023/08063	HIGH-PRESSURE CAVITATION WATER JET STRENGTHENING DEVICE AND METHOD FOR PIPELINE COMPONENTS	2023/08/21
2023/09924	AMAROUCIAXANTHIN A ESTERS AND USES THEREOF	2023/10/24
2023/10181	A SIMULATION TEST SYSTEM FOR PROJECTILE IMPACT	2023/10/31
2023/10742	DEVICE FOR INSTALLING AND POSITIONING NETWORK	2023/11/21

Application Number	Patent Title	Filing Date
	EQUIPMENT	
2023/11027	ENVIRONMENTALLY FRIENDLY GOLD LEACHING METHOD FOR GOLD ORE CONTAINING CARBON, SULFUR AND ARSENIC	2023/11/29
2023/11155	METHOD FOR PREPARING ULTRATHIN, HIGH-STRENGTH AND HIGH-LIGHT-TRANSMITTING BIODEGRADABLE FOOD INNER PACKAGING FILM	2023/12/04
2023/11301	METHOD OF PREPARING AN EXTRACT OF CHAYOTE	2023/12/07
2024/00048	FILTER DEVICE AND 2K NEGATIVE PRESSURE HEAT EXCHANGER THEREOF	2024/01/02
2024/00090	FIXTURE DEVICE FOR PUNCHING MACHINE	2024/01/02
2024/00095	YARROWIA LIPOLYTICA GENETICALLY ENGINEERED BACTERIUM CAPABLE OF PRODUCING ?-ELEMENE AND CONSTRUCTION METHOD THEREFOR, AND METHOD FOR PREPARING ?-ELEMENE	2024/01/02
2024/00098	GREENHOUSE WITH WATER RECIRCULATION SYSTEM	2024/01/02
2024/00101	SAFETY PIN LOCKING DEVICE FOR WORKPIECE TURNOVER AND WORKPIECE TURNOVER SYSTEM	2024/01/02
2024/00184	METHOD FOR QUICKLY DETERMINING FERMENTATION STAGE AND CHARACTERISTIC AROMA OF SOY SAUCE BASED ON HS-PTR-TOF-MS	2024/01/04
2024/00257	METHOD FOR IF-INTERSTITIAL FREE STEEL PRODUCTION USING SCRAP IN ARC FURNACE FACILITIES	2024/01/08
2024/00327	A METHOD FOR PREPARING COMPOSITE BIOFERTILIZER WITH ACTIVE ALGAL CELLS	2024/01/09
2024/00621	MULTI-STAGE SHOCK ABSORPTION AND SEISMIC DEVICE FOR URBAN UNDERGROUND COMPREHENSIVE PIPE TUNNEL	2024/01/18
2024/00645	TERPINEOL WITH CONTROLLED OPTICAL ROTATION FROM GUM TERPENTINE OIL AND PROCESS THEREOF	2024/01/18
2024/00838	ANTIBODY AND USE THEREOF	2024/01/24
2024/00872	SURFACE ACOUSTIC WAVE AMPLIFIER CAPABLE OF ACHIEVING WAVELET	2024/01/25

Application Number	Patent Title	Filing Date
	RECONSTRUCTION FUNCTION	
2024/01020	TOY WATER BALL	2024/01/31

DESIGNS

Advertisement List for February 2024

Number of Advertised Designs: 118

Application Number	Design Articles	Filing Date
A2020/01248	BRUSH	2020/09/18
A2021/00087	A SEAT	2021/02/04
A2021/00110	BATTERY CHARGER HOUSINGS	2021/02/11
A2021/00140	ELECTRIC TORCHES	2021/02/15
A2021/00461	A COUPLER	2021/04/29
A2021/00497	A ROCK BOLT	2021/05/14
A2021/00499	A ROCK BOLT	2021/05/14
A2021/00501	A ROCK BOLT	2021/05/14
A2021/00708	BRUSH	2021/06/17
A2021/01491	DOOR ASSEMBLY	2021/11/30
A2022/00926	COLLAR FOR A FRICTION STABILISER BOLT	2022/08/12
A2022/00928	A FRICTION STABILISER BOLT	2022/08/12
A2023/00272	CONTAINERS	2023/02/24
A2023/00371	LOCKS	2023/03/16
A2023/00372	LOCKS	2023/03/16
A2023/00377	A DRILL RIG	2023/03/17
A2023/00381	MOTOR VEHICLES	2023/03/17
A2023/00382	MOTOR VEHICLES	2023/03/17
A2023/00479	YACHT	2023/04/17
A2023/00480	YACHT	2023/04/17
A2023/00502	SIDE GLASS	2023/04/19
A2023/00503	TROLLEY ARRANGEMENT	2023/04/20
A2023/00510	Air Fryer Drawer	2023/04/25
A2023/00547	WATCHES	2023/05/05
A2023/00548	AERIAL ACROBATIC APPARATUS	2023/05/08
A2023/00583	ELECTRONIC CIGARETTE	2023/05/17
A2023/00584	ELECTRONIC CIGARETTE CONSUMABLE	2023/05/17
A2023/00585	ELECTRONIC CIGARETTE CONSUMABLE	2023/05/17
A2023/00586	Dose Delivery Device	2023/05/17
A2023/00587	Dose Delivery Device	2023/05/17
A2023/00588	Part of a Dose Delivery Device	2023/05/17
A2023/00589	Part of a Dose Delivery Device	2023/05/17
A2023/00590	Part of a Dose Delivery Device	2023/05/17

Application Number	Design Articles	Filing Date
A2023/00591	Part of a Dose Delivery Device	2023/05/17
A2023/00592	Dose Delivery Device	2023/05/17
A2023/00593	Dose Delivery Device	2023/05/17
A2023/00594	Container	2023/05/17
A2023/00595	LOGO, ORNAMENTATION, GRAPHIC SYMBOL, GRAPHIC DESIGN OR SURFACE PATTERN, FOR EXAMPLE FOR PACKAGING, IN PARTICULAR FOR PACKAGING FOR TOBACCO RELATED PRODUCTS, SUCH AS TOBACCO HEATING CONSUMABLES	2023/05/17
A2023/00596	Car	2023/05/18
A2023/00597	Toy Car	2023/05/18
A2023/00598	COFFEE MACHINES	2023/05/18
A2023/00600	Bottle	2023/05/22
A2023/00612	TABLETS	2023/05/24
A2023/00613	TABLETS	2023/05/24
A2023/00614	TABLETS	2023/05/24
A2023/00615	TABLETS	2023/05/24
A2023/00616	TABLETS	2023/05/24
A2023/00621	COFFEE MACHINES	2023/05/26
A2023/00622	COFFEE MACHINES	2023/05/26
A2023/00624	Spray Bottle	2023/05/26
A2023/00625	Spray Bottle	2023/05/26
A2023/00626	LUMINAIRE HOUSING	2023/05/26
A2023/00629	CONTAINER HAVING BOWL AND LID	2023/05/29
A2023/00630	TOOTHBRUSHES	2023/05/29
A2023/00636	Front Portion for an Automobile	2023/05/30
A2023/00637	Front Combination Lamp for an Automobile	2023/05/30
A2023/00638	Cooking Pot with Handles	2023/05/30
A2023/00639	Cover for a Cooking Pot with a Handle	2023/05/30
A2023/00640	Cover for a Cooking Pot with a Handle	2023/05/30
A2023/00641	Cover for a Cooking Pot with a Handle	2023/05/30
A2023/00642	Cover for a Cooking Pot with a Handle	2023/05/30
A2023/00643	Front Bumper for an Automobile	2023/05/30
A2023/00644	Front Grille for an Automobile	2023/05/30
A2023/00645	Instrument Panel for an Automobile	2023/05/30
A2023/00646	Handle for a cooking pot	2023/05/30
A2023/00647	Cooking Pot with Handles	2023/05/30
A2023/00648	Cooking Pot with Handles	2023/05/30
A2023/00649	Cooking Pot with Handles	2023/05/30
A2023/00650	Cooking Pot with Handles	2023/05/30
A2023/00660	SANITARY TOWEL	2023/06/06
A2023/00661	SANITARY TOWEL	2023/06/06
A2023/00662	SANITARY TOWEL	2023/06/06
A2023/00667	Utility Chamber	2023/06/07
A2023/00670	Utility Chamber	2023/06/07
A2023/00672	Utility Chamber	2023/06/07

Application Number	Design Articles	Filing Date
A2023/00674	Utility Chamber	2023/06/07
A2023/00676	Utility Chamber	2023/06/07
A2023/00781	BALLOT PAPER	2023/07/11
F2014/01946	MINE ROOF BOLTS	2014/12/19
F2019/01268	ARMBANDS	2019/08/30
F2020/01246	BRUSH	2020/09/18
F2020/01247	BRUSH	2020/09/18
F2021/00086	SEATS	2021/02/04
F2021/00111	BATTERY CHARGER HOUSINGS	2021/02/11
F2021/00141	ELECTRIC TORCHES	2021/02/15
F2021/00462	A COUPLER	2021/04/29
F2021/00498	A ROCK BOLT	2021/05/14
F2021/00500	A ROCK BOLT	2021/05/14
F2021/00502	A ROCK BOLT	2021/05/14
F2021/00512	A ROCK BOLT	2021/05/14
F2021/00709	BRUSH	2021/06/17
F2021/01557	CONTAINER	2021/12/22
F2022/00626	BALL MOUNT ADAPTER	2022/06/03
F2022/00627	BALL MOUNT ADAPTER	2022/06/03
F2022/00925	COLLAR FOR A FRICTION STABILISER BOLT	2022/08/12
F2022/00927	A FRICTION STABILISER BOLT	2022/08/12
F2023/00478		2023/04/17
F2023/00551	Aprons	2023/05/09
F2023/00602	SUPPORT PROPS	2023/05/22
F2023/00603	ALUMINIUM EXTRUSION FOR A LIGHTBOX (CLASSIC)	2023/05/22
F2023/00604	ALUMINIUM EXTRUSION FOR A LIGHTBOX (TWIN 110)	2023/05/22
F2023/00605	ALUMINIUM EXTRUSION FOR A LIGHTBOX (TWIN 150)	2023/05/22
F2023/00606	ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 65)	2023/05/22
F2023/00607	ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 80)	2023/05/22
F2023/00608	ALUMINIUM EXTRUSION FOR A LIGHTBOX (VOGUE 120)	2023/05/22
F2023/00623	Barrels for Wall Anchors	2023/05/26
F2023/00651	TRAILER	2023/05/30
F2023/00665	A Detonator Holder	2023/06/06
F2023/00668	Utility Chamber	2023/06/07
F2023/00671	Utility Chamber	2023/06/07
F2023/00673	Utility Chamber	2023/06/07
F2023/00675	Utility Chamber	2023/06/07
F2023/00677	Utility Chamber	2023/06/07
F2023/00683	WOUND BED ACCESS DEVICES	2023/06/09
F2023/00684	CORNER PLATE FORKS	2023/06/09
F2023/00695	HOLLOW BARGE	2023/06/15
F2023/00696	FASCIA BOARD	2023/06/15
F2023/01430	A PALLET MODULE	2023/12/14

OTHER NOTICES

Ferguson Attorneys: Notice of change of physical address:

- **Old Address:** Building No. 1A Wieke Street, Sharonlea Ext 7, Randburg, Gauteng, 2158
- **New Address:** 1 Teal Close, Crofters Valley, Noordhoek, Cape Town. Western Cape, 7979