

PATENT JOURNAL

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2. PATENTS

PATENTS**APPLICATIONS FOR PATENTS**

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

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(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 2021/12/20 -

2021/10619 ~ Complete ~54:HYBRID METHOD FOR VIDEO SHOT BOUNDARY DETECTION (SBD)
~71:CHAVATE, Shrikant, G H Raison University, Amravati Anjangaon Bari Road, Amravati, India;HADKE, Swati Chaitandas, Assistant Professor, Department of Electronics & Telecommunication Engineering, G. H. Raison Institute of Engineering and Technology [An Autonomous institute & affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU)], Shraddha Park, B-37/39, Hingna – Wadi Link Road, Nagpur, India;MISHRA, Ravi, Associate Professor, Department of Electronics & Telecommunication Engineering, G H Raison Institute of Engineering and Technology [An Autonomous institute & affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU)], Shraddha Park, B-37/39, Hingna–Wadi Link Road, Nagpur, India
~72: CHAVATE, Shrikant;HADKE, Swati Chaitandas;MISHRA, Ravi~

2021/10641 ~ Complete ~54:A PIEZOELECTRIC-DRIVEN MINIATURE INDEXING DISK AND CONTROL METHOD THEREOF ~71:Jiangxi Shengzhuo Technology Co., Ltd, No.3-401, Building 8, Yangfang Huayuan, Sanwei Road, Xincheng District, Fengcheng City, Yichun City, Jiangxi Province, 331104, People's Republic of China ~72: Huang Zhengying~

2021/10663 ~ Complete ~54:HEAT EXCHANGER REFRIGERATION LOW TEMPERATURE COOLING NANO FLUID MINIMUM QUANTITY LUBRICATION SUPPLY SYSTEM AND METHOD ~71:HANERGY (QINGDAO) LUBRICATION TECHNOLOGY CO., LTD., No. 23-6, Tianshan Third Road, Jimo District, Qingdao, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: JIANG, Zhiyong;LI, Changhe;LIU, Guotao;ZHANG, Yanbin;ZHOU, Zongming~

2021/10665 ~ Complete ~54:MIMIMUM QUANTITY LUBRICATION INTELLIGENT SPRAYER-HEAD SYSTEM OF CNC HORIZONTAL LATHE BASED ON SIX-AXIS PARALLEL PLATFORM ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;SHANGHAI JINZHAO ENERGY SAVING TECHNOLOGY CO., LTD., Room 414, Building 2, No. 1006, Jinshajiang Road, Putuo District, People's Republic of China ~72: KONG, Ming;LI, Changhe;YANG, Min;ZHANG, Naiqing~

2021/10667 ~ Complete ~54:HAND HELD NEUROSURGICAL ROTARY ULTRASONIC LONGITUDINAL TORSIONAL RESONANCE WATER CATCHING GRINDING DEVICE AND METHOD ~71:HANERGY (QINGDAO) LUBRICATION TECHNOLOGY CO., LTD., No. 23-6, Tianshan Third Road, Jimo District, Qingdao, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: LI, Changhe;MA, Hao;YANG, Min;ZHOU, Zongming~

2021/10682 ~ Complete ~54:METHOD FOR PRODUCING A CARBONATE BONDED, COMPACTED ARTICLE ~71:ORBIX PRODUCTIONS, Henry Fordlaan 84, 3600, Genk, Belgium ~72: DIRK VAN MECHELEN;NICK MAYELLE;PETER VAN MIERLOO~ 33:EP ~31:19182726.0 ~32:26/06/2019

2021/10685 ~ Complete ~54:TREATMENTS OF HEREDITARY ANGIOEDEMA ~71:KalVista Pharmaceuticals Limited, Porton Science Park, Bybrook Road, Porton Down, SALISBURY SP4 0BF, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: FEENER, Edward Paul;MAETZEL, Andreas;MARSH, Sally Louise;SMITH, Michael David;YEA, Christopher Martyn~ 33:US ~31:62/861,725 ~32:14/06/2019;33:GB ~31:1910116.1 ~32:15/07/2019

2021/10644 ~ Complete ~54:PREPARATION PROCESS OF HIPPOPHAE RHAMNOIDES BALL ~71:Zhejiang University, 866 Yuhangtang Road, West Lake District, HangZhou City, ZheJiang Province, People's Republic of China ~72: Chen Jianchu;Liu Ying;Wu Dan;Ye Xingqian~

2021/10618 ~ Complete ~54:A SYSTEM FOR THE POWER QUALITY INDICES DETERMINATION WITH THEIR CAUSES AND EFFECTS ~71:BALLAL, Makarand Sudhakar, Department of Electrical Engineering, Visvesvaraya National Institute of Technology, Nagpur, India;SURYAWANSHI, Hiralal Murlidhar, Department of Electrical Engineering, Visvesvaraya National Institute of Technology, Nagpur, India ~72: BALLAL, Makarand Sudhakar;SURYAWANSHI, Hiralal Murlidhar~

2021/10650 ~ Complete ~54:METHOD FOR REGULATING WATER QUALITY IN AQUACULTURE BY USING OOCYSTIS SP ~71:Guangdong Ocean University, No. 1, Haida Road, Mazhang District, Zhanjiang City, Guangdong Province , 524088, People's Republic of China ~72: HUANG, Xianghu;LI, Changling;ZHANG, Ning~

2021/10616 ~ Provisional ~54:ALPHA INSURE-TEC ~71:Bothwell Dzawoma, 13 Wessels, South Africa ~72: Bothwell Dzawoma~

2021/10645 ~ Complete ~54:A GROUNDWATER LEVEL OBSERVER FOR HYDROGEOLOGICAL EXPLORATION ~71:Inner Mongolia University of Technology, No.49, Aimin Road (North), Xincheng District, Hohhot, Inner Mongolia Autonomous Region, People's Republic of China ~72: LI, Xuehua;LUO, Yuhang;MI, Wentian;WANG, Shengyu;YE, Xiangfei;ZHANG, Penghao~

2021/10629 ~ Complete ~54:FEED ADDITIVE FOR IMPROVING RABBIT IMMUNITY AND PREPARATION METHOD THEREOF ~71:Institute of Animal Husbandry and Veterinary Science, Shandong Academy of Agricultural Sciences, 202 Gongye Bei Lu, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Bai Liya;Gao Shuxia;Han Hong;Li Mingyong;Liu Ce;Liu Gongyan;Liu Man;Sun Haitao;Yang Liping;Zhang Yin~

2021/10672 ~ Complete ~54:THE UTILITY MODEL RELATES TO A RECIPROCATING OSCILLATING ULTRASONIC HIGH FREQUENCY VIBRATING SCREEN ~71:HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 263, Kaiyuan Avenue Luoyang, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: LI, Changhe;LI, Wenyi;LI, Xinping;LIU, Mingzheng;ZHANG, Yanbin~

2021/10689 ~ Complete ~54:INDAZOLES AND AZAINDAZOLES AS LRRK2 INHIBITORS ~71:ESCAPE Bio, Inc., 4000 Shoreline Court, 4th Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ANDREOTTI, Daniele;BEATO, Claudia;BERNARDI, Silvia;BUDASSI, Federica;DE LOMBAERT, Stéphane;GAROFALO, Albert W.;MIGLIORE, Marco;SABBATINI, Fabio Maria;SCHWARZ, Jacob Bradley;SERRA, Elena~ 33:US ~31:62/872,891 ~32:11/07/2019;33:US ~31:62/937,979 ~32:20/11/2019

2021/10636 ~ Complete ~54:BIOLOGICAL CONTROL METHOD FOR COTTON DISEASES ~71:Xuzhou University of Technology, No.2, Lishui Road, Yunlong District, Xuzhou City, Jiangsu, 221018, People's Republic of China ~72: CHEN, Zhixuan;LI, Tongxiang;SUN, Huigang;TAO, Xiaojun;ZHANG, Xue;ZHOU, Zhongchi~

2021/10657 ~ Complete ~54:LOST FOAM STEEL-CASTING COATING AND PREPARATION METHOD THEREOF ~71:Beijing Wenshui Jiangyuan Coating Technology Co., Ltd, Room 513, Block 2, 5th Floor, Building 1, No.19 Xianlongshan Road, Haidian District, Beijing , 100091, People's Republic of China ~72: QIN, Dandan;TENG, Junwei~

2021/10658 ~ Complete ~54:HIGH-PRECISION AND ANTI-DEFORMATION APPARATUS FOR MACHINING FLANGE FACE OF SAFETY VALVE ~71:Shandong Daozhisheng Information Technology Co., Ltd., Building B3, Blue Zhigu, Jiankang East Street, High-tech Zone, Weifang City, Shandong Province, People's Republic of China ~72: Qianqian MOU~ 33:CN ~31:202110073816.7 ~32:20/01/2021

2021/10671 ~ Complete ~54:A NEGATIVE PRESSURE TYPE WALNUT SHELL AND KERNEL SEPARATION DEVICE AND METHOD ~71:HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.263, Kaiyuan Avenue Luoyang, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: LI, Changhe;LI, Xinping;LIU, Dewei;LIU, Mingzheng~

2021/10673 ~ Complete ~54:MULTI-STAGE NEGATIVE PRESSURE SHELL AND KERNEL SEPARATION EQUIPMENT ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;XINJIANG JIANG NING LIGHT INDUSTRIAL MACHINERY ENGINEERING TECHNOLOGY CO., LTD., Room 301, 3rd Floor, No.303, Yinxing Street, Urumqi, People's Republic of China ~72: CHE, Ji;LI, Changhe;LI, Kang;LIU, Mingzheng~

2021/10679 ~ Complete ~54:OPTICAL NANOCELLULOSE FILM, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:QILU UNIVERSITY OF TECHNOLOGY, No.3501 Daxue Road, Changqing District, Jinan, Shandong, 250353, People's Republic of China ~72: CHEN, Jiachuan;HE, Ming;JI, Xingxiang;LIU, Zhaoxiang;XUE, Yu;YANG, Guihua~ 33:CN ~31:202010181501.X ~32:16/03/2020

2021/10680 ~ Complete ~54:ELECTRICALLY CONDUCTIVE NANOFIBRES FOR POLYMER MEMBRANE-BASED ELECTROLYSIS ~71:HAHN-SCHICKARD-GESELLSCHAFT FÜR ANGEWANDTE FORSCHUNG E.V., Wilhelm-Schickard-Straße 10, Germany ~72: BREITWIESER, Matthias;HEGGE, Friedemann;LOMBECK, Florian;VIERRATH, Severin~ 33:DE ~31:10 2019 115 469.3 ~32:07/06/2019;33:EP ~31:19194885.0 ~32:02/09/2019

2021/10687 ~ Complete ~54:COATING COMPOSITION COMPRISING AN AUTOXIDIZABLE RESIN AND AN IRON-LIGAND COMPLEX, SUBSTRATE COATED WITH SUCH COATING COMPOSITION, AND USE OF SUCH IRON-LIGAND COMPLEX ~71:Akzo Nobel Coatings International B.V., Christian Neefestraat 2, AMSTERDAM 1077 WW, THE NETHERLANDS, Netherlands ~72: BOOTSMA, Johan;DE BRUIN, Bas;FLAPPER, Jitte~ 33:EP ~31:19184519.7 ~32:04/07/2019

2021/10625 ~ Complete ~54:METHOD FOR CREATING WHEAT MOLECULAR BREEDING ELEMENTS CONTAINING QTL FAVORABLE ALLELES ~71:Shandong Huatian Seed Co. , Ltd., No.2, Taidong Road, Anjiazhuang town, Feicheng City, Shandong Province, 271000, People's Republic of China;Shandong Tianze Taitian Seed Co. , Ltd., Tianze Agricultural Garden ,Zuwen scenic area, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Deng Zhiying;Liu Bin;Peng Li;Tian Jichun;Xu Qian~

2021/10628 ~ Complete ~54:UNIVERSAL DNA VACCINE OF INFLUENZA A VIRUS AND CONSTRUCTION METHOD THEREOF ~71:The Second Hospital of Nanjing (The Affiliated Hospital of Nanjing University of

Chinese Medicine), 1-1 Zhongfu Road, Gulou District, Nanjing City, Jiangsu Province, 210000, People's Republic of China ~72: Li Junwei;Wu Tongxin;Ye Wei;Yi Yongxiang~

2021/10632 ~ Complete ~54:AUGMENTED REALITY INDUCTION AND REMOTE COOPERATION DEVELOPMENT SYSTEM ORIENTED TOWARDS DISASSEMBLY AND ASSEMBLY OPERATIONS ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong, 266555, People's Republic of China ~72: CHEN, Chengjun;HONG, Jun;LI, Dongnian;SUN, Zhenwu~

2021/10640 ~ Complete ~54:PREPARATION METHOD OF NANO-CELLULOSE-BASED ORAL ULCER PATCH ~71:Qingdao University of Science and Technology, Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao, Shandong Province, 266042, People's Republic of China ~72: Xu Huanfei~

2021/10674 ~ Complete ~54:WALNUT PRE-SHELL BREAKING DEVICE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;XINJIANG JIANG NING LIGHT INDUSTRIAL MACHINERY ENGINEERING TECHNOLOGY CO., LTD., Room 301, 3rd Floor, No.303, Yinxing Street, Urumqi, People's Republic of China ~72: CHE, Ji;LI, Changhe;LIU, Mingzheng;XU, Wenhao~

2021/10681 ~ Complete ~54:BIOPSY CARRIER ~71:CUTISS AG, Grabenstrasse 11, 8952, Schlieren, Switzerland ~72: ANNA-LENA DITTRICH;ASTRID WELTI;CHRISTIAN WULLSCHLEGER;CLAUDE HOLENSTEIN;RETO FREI;SEBASTIAN WOLLMANN;VINCENT RONFARD~ 33:US ~31:62/856,853 ~32:04/06/2019

2021/10676 ~ Complete ~54:SUBSTITUTED THIOPHENE CARBOXAMIDES AND DERIVATIVES THEREOF AS MICROBICIDES ~71:BAYER AKTIENGESSELLSCHAFT, Kaiser-Wilhelm-Allee 1, Leverkusen, Germany ~72: BERNIER, David;BRUNET, Stephane;DUFOUR, Jeremy;KNOBLOCH, Thomas;NICOLAS, Lionel;TSUCHIYA, Tomoki~ 33:EP ~31:19184093.3 ~32:03/07/2019

2021/10688 ~ Complete ~54:PLANT PRODUCT HARVESTING MACHINE FEEDERHOUSE ~71:Monsanto Technology LLC, 800 N. Lindbergh Boulevard, ST LOUIS 63167, MO, USA, United States of America ~72: CARTER, Edward V.;RICH, Gregory T.;SCHLEEPER, David J.~ 33:US ~31:62/869,991 ~32:02/07/2019

2021/10631 ~ Complete ~54:INDUSTRIAL ROBOT DEMONSTRATION SYSTEM AND METHOD BASED ON AUGMENTED REALITY TECHNOLOGY ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong, 266555, People's Republic of China ~72: CHEN, Chengjun;DING, Xutong;HONG, Jun;LI, Dongnian;PAN, Yong~

2021/10664 ~ Complete ~54:MINIMUM QUANTITY LUBRICATION INTELLIGENT FOLLOW-UP MACHINE TOOL WITH A WORKPIECE AS THE MAIN MOVEMENT AND WORKING METHOD ~71:NINGBO SANHAN ALLOY MATERIAL CO., LTD., No. 333, LianTang Road, Binhai Cixi Economic Development Zone, Ningbo, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: HONG, Huaping;LI, Changhe;WU, Xifeng;ZHAO, Xufeng~

2021/10670 ~ Complete ~54:VIBRATING DISC FEEDING DEVICE AND METHOD FOR POCKET LONG-DIAMETER SHELL BREAKING EQUIPMENT ~71:HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.263, Kaiyuan Avenue Luoyang, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: LI, Changhe;LI, Xinping;LIU, Mingzheng~

2021/10683 ~ Complete ~54:TOPICAL COMPOSITIONS AND METHODS OF USING SAME AGAINST MITOCHONDRIAL FRAGMENTATION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CHUNG-YI CHIANG;JOHN CHUN-SING NIP;JOSE GUILLERMO ROSA;SHEILA ALVES ROCHA~ 33:EP ~31:19186086.5 ~32:12/07/2019

2021/10633 ~ Complete ~54:DEVELOPMENT OF FILM THICKNESS MEASURING DEVICE WITH CONFIGURATION OF BALL-ON-CUP FOR SIMULATING ARTIFICIAL JOINT LUBRICATION ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: GUO, Feng;LI, Xinming;SONG, Luping;YANG, Shuyan~

2021/10666 ~ Complete ~54:LIQUID NITROGEN CIRCULATING COOLING VORTEX PIPE HIGH EFFICIENCY REFRIGERATION SYSTEM ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;SICHUAN FUTURE AEROSPACE INDUSTRY LLC, Economic Development Zone (Lingjie Park), Shifang, People's Republic of China ~72: LI, Changhe;LIU, Bo;LIU, Mingzheng;WANG, Leyi;ZHANG, Yanbin~

2021/10624 ~ Complete ~54:DEVICE FOR ATOMIZING RNAI TO INSECTS AND METHOD THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao, Shandong Province, 266000, People's Republic of China ~72: Liu Tongxian;Yang Chunhong;Zhang Qingfeng;Zhao Chuande~

2021/10656 ~ Complete ~54:CELLULOSE RHODOPHYTA POLYSACCHARIDE FILM COATING PREMIX AND SOLUTION PREPARATION METHOD THEREOF ~71:Beijing Huanya Zhongke Engineering Equipment Co., Ltd, No. 1, Tianxing Street, Fangshan District, Beijing , 102499, People's Republic of China ~72: SONG, Jianjun;WANG, Junmei;ZHAO, Chunlin;ZHOU, Yukun~

2021/10684 ~ Complete ~54:BETAVOLTAIC DEVICES ~71:PHOSENERGY LTD, Level 2, 1292 Hay Street, West Perth, Western Australia, 6005, Australia ~72: BRYN JONES;JULIAN FREDERICK KELLY~ 33:AU ~31:2019901722 ~32:21/05/2019;33:AU ~31:2019901723 ~32:21/05/2019

2021/10647 ~ Complete ~54:COLOR PASTE FOR INK OF WATER-BASED PEN ~71:ZHEJIANG NAMEI MATERIAL TECHNOLOGY CO., LTD., Beishan Industrial Park, Xiaoyuan Street, Anji County, Huzhou, Zhejiang, 313300, People's Republic of China ~72: HE, Guiping;LI, Mingfeng;ZHAO, Lei~

2021/10659 ~ Complete ~54:METHODS OF REDUCING THE RISK OF CARDIOVASCULAR EVENTS IN A SUBJECT ~71:AMARIN PHARMACEUTICALS IRELAND LIMITED, 2 Pembroke House Upper Pembroke Street 28-32, Dublin 2, Ireland ~72: PARESH SONI~ 33:US ~31:62/735,670 ~32:24/09/2018;33:US ~31:62/735,680 ~32:24/09/2018;33:US ~31:62/758,387 ~32:09/11/2018;33:US ~31:62/813,888 ~32:05/03/2019;33:US ~31:62/818,514 ~32:14/03/2019

2021/10661 ~ Complete ~54:ELECTRONIC VAPOUR PROVISION DEVICE WITH VARIABLE POWER SUPPLY ~71:British American Tobacco (Investments) Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DICKENS, Colin;HEPWORTH, Richard;MOLONEY, Patrick~ 33:GB ~31:1705550.0 ~32:06/04/2017

2021/10621 ~ Complete ~54:ELECTRIC ENERGY GENERATOR AND ELECTRIC ENERGY GENERATION METHOD ~71:ROSSI, Andrea, VIALE ANGELICO 4A, 00195 ROMA, ITALY, Italy ~72: ROSSI, Andrea~ 33:JP ~31:2021-096283 ~32:09/06/2021

2021/10622 ~ Complete ~54:LICENSE MANAGEMENT SYSTEM ~71:ELOREM (PTY) LIMITED, No. 6 Thika Place, Naivasha Road, South Africa ~72: MOSUPI, Tebogo~ 33:ZA ~31:2020/07690 ~32:10/12/2020

2021/10669 ~ Complete ~54:A PRECISION LUBRICATION PUMP FOR CONTINUOUS SUPPLY OF LUBRICANT BY CRANK LINK MECHANISM ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;SHANGHAI JINZHAO ENERGY SAVING TECHNOLOGY CO., LTD., Room 414, Building 2, No. 1006, Jinshajiang Road, Putuo District, People's Republic of China ~72: CUI, Xin;LI, Changhe;ZHANG, Naiqing;ZHANG, Yanbin~

2021/10615 ~ Provisional ~54:MEDICAL IMPLANT DEVICE ~71:ORTHOCAPE (PTY) LTD, 12 Erasmus Drive, Summerstrand, Port Elizabeth, South Africa ~72: MARAIS, Jacques;TERBLANCHE, Ignatius, Petrus, Stefanus;VERMEULEN, Marius~

2021/10623 ~ Complete ~54:LINC RNA-DEFICIENT NON-HUMAN ANIMALS ~71:PRESIDENT AND FELLOWS OF HARVARD COLLEGE, 17 Quincy Street, Cambridge, United States of America;REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: FRENDEWEY, David;GONG, Guochun;LAI, Ka-Man, Venus;RINN, John;VALENZUELA, David M.~ 33:US ~31:61/863,147 ~32:07/08/2013

2021/10639 ~ Complete ~54:DEVICE FOR IMPROVING COAL BED PERMEABILITY BY USING SUPERCRITICAL CO₂ ~71:Qingdao University of Technology, No. 777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266525, People's Republic of China ~72: LI, Kai;SUN, Keming;WANG, Wei;WU, Di;ZHANG, Shucui;ZHENG, Qingsheng~

2021/10651 ~ Complete ~54:AUTOMOBILE BLIND SPOT OBSERVATION DEVICE ~71:Baicheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, 137099, People's Republic of China ~72: Liu Jie;Shan Yuhao;Yu Xiuhua;Zhang Chongji;Zhang Ying~

2021/10690 ~ Complete ~54:SUBSTITUTED FUSED HETEROAROMATIC BICYCLIC COMPOUNDS AS KINASE INHIBITORS AND THE USE THEREOF ~71:Impact Therapeutics (Shanghai), Inc, Room 603, No.3 Building, 111 Xiangke Road, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: CAI, Sui Xiong;TIAN, Ye Edward;WANG, Xiaozhu~ 33:CN ~31:201910587419.4 ~32:28/06/2019;33:CN ~31:201911386062.X ~32:26/12/2019

2021/10646 ~ Complete ~54:A TRAINING DEVICE FOR RECTUS ABDOMINIS DIASTASIS AFTER CESAREAN SECTION ~71:Jinzhou Medical University, No.40, Section 3, Songpo Road, Linghe District, Jinzhou City, Liaoning Province, People's Republic of China ~72: CUI, Huixia;DONG, Hong;WANG, Weiwei;XU, Xiaoxiao;YU, Hongliu;ZHANG, Wenlu~

2021/10626 ~ Complete ~54:COMPOSITE EMULSIFIER FOR DIESEL OIL AND MICROEMULSIFIED DIESEL OIL ~71:Hunan Normal University, No. 36 Lushan Road, Yuelu District, Changsha City, Hunan Province, 410006, People's Republic of China ~72: Ren Jun;Yang Chunming;Yuan Xiaoqin~

2021/10654 ~ Complete ~54:HYDROXYALKYL IMIDAZOLINE AMIDE, AND PREPARATION METHOD AND USE THEREOF ~71:Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development Zone, Shenyang, Liaoning Province, 110870, People's Republic of China ~72: LIU, Gongzhao~

2021/10677 ~ Complete ~54:HOLLOW FIBER MEMBRANE ~71:LUBRIZOL ADVANCED MATERIALS, INC., 9911 Brecksville Road, Cleveland, United States of America ~72: JULIUS, Mark, D.;NAYMIK, Donald;ROY, Kinkini;ZOOK, Christopher, D.~ 33:US ~31:62/865,400 ~32:24/06/2019

2021/10693 ~ Complete ~54:METHOD AND DEVICE FOR CONSTRUCTING MERGE CANDIDATE MOTION INFORMATION LIST, AND CODEC ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian,

Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Xu;YANG, Haitao;ZHANG, Lian~ 33:CN ~31:201910531988.7 ~32:19/06/2019

2021/10617 ~ Complete ~54:A NOVEL ADINOF SYSTEM AND METHOD FOR EFFECTIVELY DETECTING OUTLIERS IN THE DATA STREAM ~71:KUMAR, Alok, 107/81 V, First street Gandhi Nagar, Dharmapuri, India;SINGH, Manmohan, Assistant Professor, Computer Science and Engineering, KL University, Guntur, India ~72: KUMAR, Alok;SINGH, Manmohan~

2021/10643 ~ Complete ~54:FORMULA OF CONTROL AGENT FOR MIRID BUGS IN WINTER JUJUBE GREENHOUSE AND APPLICATION METHOD THEREOF ~71:Li Qingjun, 522 HuangHe Fifth Road, Bincheng District, Binzhou City, Shandong Province, 256600, People's Republic of China ~72: Du Xiuqin;Li Qingjun;Peng Ling~

2021/10652 ~ Complete ~54:METHOD FOR CHARACTERIZING RESPONSIVITY OF QUANTUM DOT INFRARED PHOTODETECTOR ~71:SHANXI DATONG UNIVERSITY, Pingcheng District, Datong City, Shanxi Province, 037009, People's Republic of China ~72: CHEN, Aijun;KANG, Yongqiang;LIU, Guizhi;LIU, Hongmei;MENG, Tianhua;SHI, Yunlong;WANG, Ping;YANG, Chunhua~

2021/10675 ~ Complete ~54:A SELF-GRADING WALNUT FLEXIBLE SHELL BREAKING DEVICE AND METHOD WITH THE SAME DIRECTION DOUBLE SPIRAL ROOLER ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China;XINJIANG JIANG NING LIGHT INDUSTRIAL MACHINERY ENGINEERING TECHNOLOGY CO., LTD., Room 301, 3rd Floor, No.303, Yinxing Street, Urumqi, People's Republic of China ~72: CHE, Ji;LI, Changhe;LIU, Mingzheng;ZHANG, Xiaotian~

2021/10627 ~ Complete ~54:A MOVABLE TYPE UNLOADING AND CURING DEVICE FOR BENZOXAZINE RESIN PRODUCTION ~71:Puyang Enying Polymer Materials Co.,Ltd., Puyang Industrial Park, Hualong District, Puyang City, Henan Province , 457007, People's Republic of China ~72: LI, Yuhui;TANG, Hongshi;WANG, Hongshui;YANG, Bo;ZHANG, Dongfeng;ZHANG, Yuansheng~ 33:CN ~31:202110693381.6 ~32:22/06/2021

2021/10635 ~ Complete ~54:METHOD FOR PRODUCING L-AMINO ACID THROUGH FERMENTATION BY USING GALT GENE-DEFICIENT STRAIN ~71:Xuzhou University of Technology, No.2, Lishui Road, Yunlong District, Xuzhou City, Jiangsu, 221018, People's Republic of China ~72: LI, Tongxiang;SHEN, Yifan;SUN, Huigang;XIAO, Kaifeng;XU, Zhilong;ZHOU, Zhongchi~

2021/10642 ~ Complete ~54:SIMPLY SUPPORTED-CONTINUOUS STEEL-CONCRETE COMPOSITE BOX BEAM CONNECTING PIECE STRUCTURE ~71:Gansu Province Transportation Planning, Survey and Design Institute Co.Ltd., No. 213, Jiuquan Road, Chengguan District, Lanzhou City, Gansu Province, 730030, People's Republic of China ~72: FAN, Jiang;LI, Guangming;LI, Zite;LIU, Jianxun;QIAN, Hui;WANG, Longfei;WU, Weihong~

2021/10655 ~ Complete ~54:CELLULOSE RED ALGAE POLYSACCHARIDE PLANT HOLLOW CAPSULE AND RAW MATERIAL COMPOSITION AND PREPARATION METHOD THEREOF ~71:Beijing Huanya Zhongke Engineering Equipment Co., Ltd, No. 1, Tianxing Street, Fangshan District, Beijing , 102499, People's Republic of China ~72: SONG, Jianjun;WANG, Junmei;ZHAO, Chunlin;ZHOU, Yukun~

2021/10660 ~ Complete ~54:METHOD FOR CONSTRUCTING THREE-DIMENSIONAL GEOLOGICAL DATA MODEL BASED ON CONFORMAL GEOMETRIC ALGEBRA ~71:NANJING NORMAL UNIVERSITY, No. 122, Ninghai Road, Gulou District, Nanjing, Jiangsu, 210024, People's Republic of China ~72: BINGHUANG PAN;JIAN WANG;LINWANG YUAN;WEN LUO;XU HU;YUHAO TENG;ZHAOYUAN YU;ZHENJUN YAN~ 33:CN ~31:202111462611.4 ~32:02/12/2021

2021/10668 ~ Complete ~54:A NANO FLUID ELECTROSTATIC ATOMIZATION CONTROLLABLE TRANSPORT MICRO LUBRICATION SYSTEM WITH AUXILIARY ELECTRODE FOCUSING ~71:HANERGY (QINGDAO) LUBRICATION TECHNOLOGY CO., LTD., No. 23-6, Tianshan Third Road, Jimo District, Qingdao, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: LI, Changhe;MA, Hao;SUN, Jingang;YANG, Min;ZHOU, Zongming~

2021/10637 ~ Complete ~54:TRIAXIAL MULTI-CRACK HYDRAULIC FRACTURING EXPERIMENTAL DEVICE ~71:Qingdao University of Technology, No. 777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266525, People's Republic of China ~72: LI, Kai;SUN, Keming;WANG, Wei;ZHANG, Shucui;ZHANG, Xingang;ZHENG, Qingsheng~

2021/10649 ~ Complete ~54:BREEDING METHOD FOR REDUCING NUMBER OF BACTERIA AND CONTENT OF HEAVY METALS IN BIVALVE MOLLUSKS ~71:Guangdong Ocean University, No. 1, Haida Road, Mazhang District, Zhanjiang City, Guangdong Province, 524088, People's Republic of China ~72: HUANG, Xianghu;LI, Changling;ZHANG, Yulei~

2021/10638 ~ Complete ~54:MULTI-PULSE GAS EXPLOSION PRE-SPLITTING DEVICE FOR COAL MINING ~71:Qingdao University of Technology, No. 777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266525, People's Republic of China ~72: LI, Kai;SUN, Keming;WANG, Wei;XIN, Liwei;ZHANG, Shucui;ZHENG, Qingsheng~

2021/10648 ~ Complete ~54:TEMPERATURE AND HUMIDITY CONTROLLABLE EXPERIMENTAL DEVICE FOR TURBULENCE AGGLOMERATION OF MICRON-SIZED PARTICLES ~71:Dalian University of Technology, No.2 Linggong Road, Ganjingzi District, Dalian City, Liaoning Province , 116024, People's Republic of China ~72: DONG, Ming;LI, Sufen;PU, Hang;SHANG, Yan;WANG, Shuang;ZHANG, Han~

2021/10662 ~ Complete ~54:A DEVICE FOR AGGLOMERATION OF FINES ~71:CHAKRABARTI, Siddharth Sudhansu, OP JINDAL UNIVERSITY, OP JINDAL KNOWLEDGE PARK, GHARGODA ROAD, PUNJIPATHRA, RAIGARH, India;KANHED, Satish Mohanrao, OP JINDAL UNIVERSITY, OP JINDAL KNOWLEDGE PARK, GHARGODA ROAD, PUNJIPATHRA, RAIGARH, India;TALAPANENI, Trinath, OP JINDAL UNIVERSITY, OP JINDAL KNOWLEDGE PARK, GHARGODA ROAD, PUNJIPATHRA, RAIGARH, India ~72: CHAKRABARTI, Siddharth Sudhansu;KANHED, Satish Mohanrao;TALAPANENI, Trinath~

2021/10692 ~ Complete ~54:COMPOUNDS AND METHODS OF USE THEREOF AS ANTIBACTERIAL AGENTS ~71:Merck Sharp & Dohme Corp., 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: CROWLEY, Brendan M.;NANTERMET, Philippe;OLSEN, David;SUZUKI, Takao~ 33:IB ~31:2019/094601 ~32:03/07/2019

2021/10630 ~ Complete ~54:METHOD AND SYSTEM FOR ELECTROLYTICALLY POLISHING SURFACE OF METAL CYLINDRICAL SPECIMEN ~71:Guizhou University, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: HUANG, Chaowen;LI, Wei;REN, Xianli;SHI, Wei;WAN, Mingpan;XU, Pingwei;YANG, Jiang;YANG, Ming~

2021/10678 ~ Complete ~54:BACTERIA-ENGINEERED TO ELICIT ANTIGEN-SPECIFIC T-CELLS ~71:CHAN ZUCKERBERG BIOHUB, INC., 499 Illinois Street, United States of America;THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, Office of the General Counsel, United States of America ~72: CHEN, Yiyin E.;FISCHBACH, Michael A.;NAGASHIMA, Kazuki~ 33:US ~31:62/863,594 ~32:19/06/2019;33:US ~31:63/033,811 ~32:02/06/2020

2021/10634 ~ Complete ~54:DEEP LEARNING NETWORK-BASED MECHANICAL ASSEMBLY IMAGE SEGMENTATION METHOD AND DEVICE ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong , 266555, People's Republic of China ~72: CHEN, Chengjun;GAO, Wei;HONG, Jun;LI, Dongnian;PAN, Yong;ZHANG, Chunlin;ZHAO, Zhengxu~

2021/10653 ~ Complete ~54:METHOD FOR PREPARING CULTURE MEDIUM FOR PROMOTING VACCINIUM CORYMBOSUM TISSUE CULTURE ROOTING ~71:Guizhou Institute of Biology, No. 1, Tongyin Road, Xiaohu Economic Development Zone, Guiyang City, Guizhou , 550009, People's Republic of China ~72: DUAN, Ruyan;LIAO, Youjiang;NIE, Fei;WANG, Pinghong;WEN, Guangqin;WEN, Guangzhong;ZHAO, Liangqing~

2021/10691 ~ Complete ~54:MONITORING GROUND ENGAGING PRODUCTS FOR EARTH WORKING EQUIPMENT ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: BETOURNAY, Jason W.;HYDE, Steven D.;SNYDER, Christopher D.~ 33:US ~31:62/855,783 ~32:31/05/2019

2021/10686 ~ Complete ~54:PHARMACEUTICAL COMPOSITION FOR TREATING TUMOR ~71:Eisai R&D Management Co., Ltd., 4-6-10, Koishikawa, Bunkyo-ku, TOKYO 1128088, JAPAN, Japan;Ono Pharmaceutical Co., Ltd., 1-5, Doshomachi 2-chome, Chuo-ku, OSAKA-SHI 5418526, OSAKA, JAPAN, Japan ~72: FUNAHASHI, Yasuhiro;SEMBA, Taro;SUZUKI, Takuya~ 33:JP ~31:2019-138041 ~32:26/07/2019;33:US ~31:16/835,719 ~32:31/03/2020

2021/10694 ~ Provisional ~54:PEER ~71:SAKHILE HOPEWELL NTULI, 1351 EMPUMELELWENI, South Africa ~72: SAKHILE HOPEWELL NTULI~

2021/10620 ~ Complete ~54:A SECURE AND EFFICIENT MULTI-TENANT DATABASE MANAGEMENT SYSTEM ~71:BALAKRISHNA, Pallavi Gundlupet, Assistant Professor, Department of Computer Science and Engineering, B.M.S College of Engineering, No 154, 3rd Main, Banashankari 5th stage, India;JAYAREKHA, Prabhashankar, Professor, Department of Information Science and Engineering, B.M.S College of Engineering, No 503, 9th main, 7th Cross, HBR first stage, Second Block, India ~72: BALAKRISHNA, Pallavi Gundlupet;JAYAREKHA, Prabhashankar~

- APPLIED ON 2021/12/21 -

2021/10695 ~ Provisional ~54:A METHOD AND SYSTEM OF INITIATING A TELEPHONE CALL BETWEEN TWO COMMUNICATION DEVICES ~71:SEPTEMBER, Joseph, Unit 20 Eldorado Complex, 135 Becksberg Avenue, Lyttelton, CENTURION 0157, Gauteng, SOUTH AFRICA, South Africa ~72: SEPTEMBER, Joseph~

2021/10742 ~ Complete ~54:A WATER-IN-OIL EMULSION COMPOSITION FOR ENHANCED DELIVERY OF WATER SOLUBLE SKIN BENEFIT AGENTS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: AMITABHA MAJUMDAR;DIVYA PARUCHURI;MRUTHYUNJAYA SWAMY MATHAPATHI;NARESH DHIRAJLAL GHATLIA;SIVAKUMAR ANANTHASUBRAMANIAN;SWAPNIL RAVIKANT HEGISHTHE~ 33:EP ~31:19187809.9 ~32:23/07/2019

2021/10699 ~ Provisional ~54:COMPOSITION OF READY-TO-EAT FOODS CONTAINING LUPIN FLOUR AND A PROCESS FOR THE PREPARATION THEREOF ~71:Superfood Group Inc., 200 Continental Drive, United States of America ~72: Shenai Bridglall~

2021/10708 ~ Complete ~54:METHOD FOR SACCHARIFICATION OF CYPERUS ESCULENTUS SOYBEAN MEAL ~71:Inner Mongolia University, No. 235, Daxue West Road , Saihan District, Hohhot City, Inner Mongolia

Autonomous Region , 010021, People's Republic of China ~72: LIU, Jing;WANG, Pu;WU, Xiaotong;XU, Yunfeng;ZHANG, Dejian~ 33:CN ~31:202110646548.3 ~32:10/06/2021

2021/10726 ~ Complete ~54:COMPLETE FEED FOR INCREASING A GROWTH RATE OF BLACK GOAT LAMBS AND PREPARATION METHOD OF COMPLETE FEED ~71:GUIZHOU INSTITUTE OF PRATACULTURAL, No. 1, Jinnong Road, Jinxin Community, Huaxi District, Guiyang, People's Republic of China ~72: CHEN, Guangji;CHEN, Qiang;LI, Shige;LI, Xiaodong;LIU, Fengdan;LUO, Jinhong;SHANG, Yishun;WANG, Puchang;WANG, Ziyuan;ZHANG, Rong~ 33:CN ~31:202111325628.5 ~32:10/11/2021

2021/10715 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE FOR RELIEVING THE TOXIC DAMAGE OF ZEARENONE TO PREGNANT COWS ~71:HEBEI AGRICULTURAL UNIVERSITY, No.289 lingyusi street, Baoding City, Hebei Province, People's Republic of China ~72: Jiang Guojun;Kang Jungang;Wang Ping~

2021/10718 ~ Complete ~54:FOOD DETECTION STRUCTURE BASED ON BIOSENSOR AND DETECTION METHOD THEREOF ~71:North China University of Science and Technology, No. 21, Xincheng Bohai Avenue, Caofeidian District, Tangshan City, Hebei Province, 063000, People's Republic of China ~72: CHEN, Hongshuo~ 33:CN ~31:202011521692.6 ~32:21/12/2020

2021/10721 ~ Complete ~54:INDIAN OCEAN STHENOTEUTHIS OUALANIENSIS FISHING CONDITION FORECASTING METHOD BASED ON HABITAT INDEX MODEL ~71:Shanghai Ocean University, No. 999 Huchenghuan Road, Pudong District, Shanghai, 201306, People's Republic of China ~72: Jun YU;Lihong WEN;Nan LI;Siyuan LIU;Zhou FANG~ 33:CN ~31:202111426843.4 ~32:28/11/2021

2021/10736 ~ Complete ~54:FREE PISTON ENGINE CONTROL ~71:AQUARIUS ENGINES CENTRAL EUROPE SP. Z.O.O., 19 Hamelacha St., Industrial Park Afek, Israel ~72: YAAKOBY, Shaul~ 33:US ~31:16/456,301 ~32:28/06/2019

2021/10740 ~ Complete ~54:ASSEMBLY DEVICE AND METHOD FOR ASSEMBLING COMPONENTS ~71:HAVER & BOECKER OHG, CARL-HAVER-PLATZ 3, 59302 OELDE, GERMANY, Germany ~72: WAGEMANN, Jens~ 33:DE ~31:10 2019 114 564.3 ~32:29/05/2019;33:DE ~31:20 2019 103 065.8 ~32:29/05/2019

2021/10711 ~ Complete ~54:NON-TEST TUBE RAPID PROPAGATION METHOD FOR OSMANTHUS FRAGRANS (THUNB.) LOUREIRO ~71:Institute of Vegetables and Flowers, Jiangxi Academy of Agricultural Sciences, No. 602, Nanlian Road, Qingyunpu District, Nanchang City, Jiangxi, 330200, People's Republic of China ~72: DUAN, Yifan;JI, Hongli;JIANG, Jun;JIANG, Minghua;LUO, Yongsong;TAO, Xiuhua;ZHANG, Cheng~

2021/10741 ~ Complete ~54:STATIC AND RUNTIME ANALYSIS OF COMPUTER PROGRAM SYSTEMS ~71:AB INITIO TECHNOLOGY LLC, 201 Spring Street, Lexington, Massachusetts, 02421, United States of America ~72: JOHN JOYCE;MARSHALL A ISMAN;SAM KENDALL~ 33:US ~31:62/851,295 ~32:22/05/2019;33:US ~31:16/746,392 ~32:17/01/2020

2021/10707 ~ Complete ~54:BREWING TECHNOLOGY OF HIGHLAND BARLEY HEALTH WINE BASED ON BLACK URTICA, GANODERMA AND ZIZIPHUS ZIZIPHUS AND ITS PRODUCTS ~71:Guangxi Normal University for Nationalities, No.23 Fozi Road, Jiangzhou District, Chongzuo City, Guangxi, 532200, People's Republic of China ~72: Chang Yuwei;Duan Wenbin;He Shuling;Kang Xiaohua;Liu Shaopeng;Ma Lingfa;Sun Yebin;Yan Yinghui;Yang Jingjun;Yang Xianglan;Yu Jianfang~

2021/10717 ~ Complete ~54:OXYGEN VACANCY STIMULATED DIRECT Z-SCHEME MESOPOROUS CU₂O/TIO₂ PHOTOCATALYST AND PREPARATION METHOD THEREOF ~71:Qingdao University of Science and Technology, 99 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266000, People's

Republic of China ~72: CHEN, Yi;LV, Shuhua;SONG, Caixia;WANG, Debao;WU, Xiaoqun~ 33:CN
~31:202110154774.X ~32:04/02/2021

2021/10703 ~ Complete ~54:BRAZING SHEET AND BRAZING METHOD ~71:ZHENGZHOU RESEARCH
INSTITUTE OF MECHANICAL ENGINEERING CO., LTD., NO. 149, Science Avenue, Zhengzhou Hi-Tech
Industrial Development Zone, People's Republic of China ~72: HUANG, Junlan;JIU, Yongtao;LI, Shengnan;LI,
Wenbin;LU, Quanbin;NIE, Mengjie;PEI, Yinyin;SHEN, Yuanxun~ 33:CN ~31:202111123606.0 ~32:24/09/2021

2021/10709 ~ Complete ~54:REFERENCE MATERIAL OF REE-RICH DEEP SEA SEDIMENTS AND
PREPARATION METHOD THEREOF ~71:First Institute of Oceanography, Ministry of Natural Resources, No.6
Xianxialing Road, Laoshan District, Qingdao City, Shandong, 266061, People's Republic of China ~72: BAI,
Yazhi;LIU, Jihua;SHI, Xuefa;WANG, Hongmin;ZHU, Aimei~

2021/10713 ~ Complete ~54:PROCESS FOR OPTIMIZING ENZYMOLYSIS EXTRACTION PROCESS OF
LAMIOPHLOMIS ROTATA POLYSACCHARIDES BY RESPONSE SURFACE METHOD ~71:Qingdao
Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109,
People's Republic of China ~72: FAN, Xiao;GAO, Fei;HOU, Ranran;LI, Qiu;LI, Yuting;LIU, Zhihai;SHAO,
Xiangling~

2021/10723 ~ Complete ~54:AN ARTIFICIAL INTELLIGENCE BASED DEVICE TO CONTROL A SWITCHGEAR
USING WIRELESS INTERFACE CIRCUIT ~71:ASHFAQUE, Mohammed Waseem, Lecturer at department of IT,
Al-Buraimi University College, Oman;BAJNEED, Atheer Omar S, Teacher Assistant, Jazan University,
Department of Computer Science, Al Maarefah Rd, Saudi Arabia;BANU, Sayyada Sara, Lecturer, Department of
Computer Science, Jazan University, Al Maarefah Rd, Saudi Arabia;HADI, Nedaa Abdulaziz, Teaching Assistant,
Jazan University, Department of Computer Science, Al Maarefah Rd, Saudi Arabia;KOMANDUR, Sangeetha,
Lecturer, Jazan University, Department of Computer Science, Al Maarefah Rd, Saudi Arabia;SHAIK, Sameena,
Lecturer, Jazan University, Department of Computer Science, Al Maarefah Rd, Saudi Arabia;THAREWAL,
Sumegh Shrikant, Assistant Professor, Department of Computer Applications, Manipal University, Jaipur, India
~72: ASHFAQUE, Mohammed Waseem;BAJNEED, Atheer Omar S;BANU, Sayyada Sara;HADI, Nedaa
Abdulaziz;KOMANDUR, Sangeetha;SHAIK, Sameena;THAREWAL, Sumegh Shrikant~

2021/10733 ~ Complete ~54:REDUCING MALARIA TRANSMISSION ~71:GLAXOSMITHKLINE INTELLECTUAL
PROPERTY DEVELOPMENT LIMITED, 980 Great West Road, Brentford, United Kingdom ~72: MENDOZA
LOSANA, Alfonso;RODRIGUES, Janneth~ 33:EP ~31:19382593.2 ~32:12/07/2019;33:EP ~31:19382821.7
~32:24/09/2019

2021/10745 ~ Complete ~54:CD3 ANTIGEN BINDING FRAGMENTS AND COMPOSITIONS COMPRISING
SAME ~71:AMUNIX PHARMACEUTICALS, INC., 500 Ellis Street, Mountain View, California, 94043, United
States of America ~72: ANDRÉ FRENZEL;DARRAGH MACCANN;JAMES MCCLORY;PHILIPP
KUHN;VOLKER SCHELLENBERGER~ 33:US ~31:62/866,746 ~32:26/06/2019;33:US ~31:63/041,059
~32:18/06/2020

2021/10719 ~ Complete ~54:MANGANESE DIOXIDE MODIFIED ACTIVATED CARBON COMPOSITE
ADSORBENT, PREPARATION METHOD THEREOF AND APPLICATION IN ARSENIC REMOVAL ~71:Henan
University, 85 Minglun Street, Shunhe District, Kaifeng City, Henan Province, 475001, People's Republic of China
~72: GU, Lei;GUO, Chen;LIU, Yanhong;WANG, Yulong;ZHANG, Lin~

2021/10720 ~ Complete ~54:A PROCESS FOR PREPARING CHEMICALLY MODIFIED BICARBONATE SALT
PARTICLES ~71:STEERLIFE INDIA PRIVATE LIMITED, #290, 4th Main, 4th Phase, India ~72: BHUSHAN,
Indu;RAO, Vinay;SHETTY, Rakshith~ 33:IN ~31:201841048298 ~32:20/12/2018

2021/10704 ~ Complete ~54:A PARTITIONED UNDERGROUND DIAPHRAGM WALL CAPABLE OF BEING USED FOR PHASE CHANGE HEAT STORAGE ~71:China University of Mining and Technology, No1,Daxue Road, Quanshan District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Gao Tao;Li Xiaozhao;Sun Meng;Wei Jingsheng;Wu Xuehui;Yue Fengtian;Zhang Donghai~ 33:CN ~31:202110158859.5 ~32:05/02/2021

2021/10729 ~ Complete ~54:TORQUE RESISTANT SEAL ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: COPPLE, Benjamin J.;CRUNKLETON, Kenneth L.;PLOUSE, Loreena S.;TURCZYN, Dennis M.~ 33:US ~31:16/452,210 ~32:25/06/2019

2021/10748 ~ Complete ~54:CBD COMPOSITION ~71:CannPal Animal Therapeutics Limited, Level 3, 45a Bay Street, DOUBLE BAY 2028, NEW SOUTH WALES, AUSTRALIA, Australia ~72: CURTIS, Margaret Ann;MILLS, Layton~ 33:AU ~31:2019902236 ~32:26/06/2019

2021/10702 ~ Complete ~54:FLUX-FREE BRAZING METHOD FOR CARBIDE-TIPPED TOOLS ~71:ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD., NO. 149, Science Avenue, Zhengzhou Hi-Tech Industrial Development Zone, People's Republic of China ~72: CHENG, Yafang;HUANG, Junlan;LI, Yong;LONG, Weimin;NIE, Mengjie;PEI, Yinyin;ZHONG, Sujuan;ZHOU, Xusheng~ 33:CN ~31:202110925462.4 ~32:12/08/2021

2021/10724 ~ Complete ~54:METHOD FOR GENERATING GRAY IMAGE WITH HIGH FRAME FREQUENCY ~71:JINHUA FEIGUANG TECHNOLOGY CO., LTD., Room 402, 406, 408, Research Building, 1#-2 Zhongke Science and Technology Park, No. 589, Longtan Road, Jinhua City, People's Republic of China ~72: CHENG, Panpan;LI, Guofeng;ZHANG, Qiong~

2021/10700 ~ Complete ~54:MAGNETIC NAVIGATION BEACON IMPLANTATION GUIDING PUNCTURE NEEDLE ~71:JIANGSU CANCER HOSPITAL, NO.42, BAIZITING, NANJING CITY, People's Republic of China ~72: FENG, Yong;HE, Xia;QIAO, Wei;YIN, Li;ZHANG, Yufeng~

2021/10712 ~ Complete ~54:ARC-ADJUSTED HIGH-POWER MICROWAVE PLASMA CVD DEVICE ~71:Shandong University of Technology, 266 Xincun West Road, Zhangdian District, Zibo City, Shandong Province, 255000, People's Republic of China ~72: LIN, Yuyi;Prelas, Mark A.;YU, Wenqiang~

2021/10722 ~ Complete ~54:RESIDENCE STRUCTURES AND RELATED METHODS ~71:MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 Massachusetts Avenue, Cambridge, Massachusetts, 02139, United States of America;THE BRIGHAM AND WOMEN'S HOSPITAL, INC., 75 Francis Street, Boston, Massachusetts, 02215, United States of America ~72: ANDREW BELLINGER;ANGELA DICICCIO;CARLO GIOVANNI TRAVERSO;DEAN LIANG GLETTIG;LOWELL L JR WOOD;MOUSA JAFARI;PHILIP A ECKHOFF;ROBERT S LANGER;SHIYI ZHANG;STACY MO;TYLER GRANT~ 33:US ~31:62/010,992 ~32:11/06/2014

2021/10731 ~ Complete ~54:KIT, SYSTEM, AND FLOW CELL ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: CHEN, Tyler;DAGGUMATI, Pallavi;KHURANA, Tarun Kumar;WU, Yir-Shyuan~ 33:US ~31:62/966,351 ~32:27/01/2020

2021/10744 ~ Complete ~54:EGFR ANTIGEN BINDING FRAGMENTS AND COMPOSITIONS COMPRISING SAME ~71:AMUNIX PHARMACEUTICALS, INC., 500 Ellis Street, Mountain View, California, 94043, United States of America ~72: ANDRÉ;FRENZEL;DARRAGH MACCANN;JAMES MCCLORY;PHILLIPP KUHN;VOLKER SCHELLENBERGER~ 33:US ~31:62/866,749 ~32:26/06/2019;33:US ~31:63/043,486 ~32:24/06/2020

2021/10710 ~ Complete ~54:A DEVICE FOR PURIFYING WATER BY USING FRESHWATER SNAIL AQUACULTURE, A NET CAGE PREPARATION METHOD AND A WATER PURIFICATION METHOD ~71:FRESHWATER FISHERIES RESEARCH CENTER.CAFS, No. 1, Qitang North Village, Dafu Town, Binhu District, Wuxi City, Jiangsu Province, People's Republic of China;Jiangxi Fisheries Science Research Institute, No. 1099 Fuyou Road, High-tech Zone, Nanchang City, Jiangxi Province, People's Republic of China ~72: Fu Huiyun;Gu Ruobo;Huang Bin;Jin Wu;Li Yanhua;Ma Benhe;Ma Xueyan;Wang Haihua;Wen Haibo;Xu Pao~

2021/10732 ~ Complete ~54:PYRROLO [2, 3-B] PYRAZINES AS HPK1 INHIBITOR AND THE USE THEREOF ~71:BEIGENE, LTD., c/o Maurant Ozannes Corporate Services (Cayman) Limited, 94 Solaris Avenue, Camana Bay, Cayman Islands ~72: LI, Jing;WANG, Zhiwei;XU, Sanjia~ 33:CN ~31:PCT/CN2019/094749 ~32:04/07/2019;33:CN ~31:PCT/CN2019/123268 ~32:05/12/2019;33:CN ~31:PCT/CN2020/089498 ~32:09/05/2020

2021/10749 ~ Complete ~54:A FIRE-RETARDANT COMPOSITION, PROCESS OF PREPARATION AND KIT THEREOF ~71:UPL Limited, UPL House, 610 B/2 Bandra Village, Off Western Express Highway, Bandra (East), MUMBAI 400 051, MAHARASHTRA, INDIA, India ~72: KINI, Prashant Vasant;MUDALIAR, Chandrasekhar;SHARMA, Maneesh~ 33:IN ~31:201921024496 ~32:20/06/2019

2021/10714 ~ Complete ~54:METHOD OF MONITORING ACID ROT DURING CITRUS STORAGE AND TRANSPORTATION ~71:Zhejiang University, 866 Yuhangtang Road, Xihu District, Hangzhou , 310058, People's Republic of China ~72: CAO, Jinping;KANG, Chen;SUN, Chongde;WANG, Yue;WU, Yu~

2021/10735 ~ Complete ~54:METHODS AND COMPOSITIONS COMPRISING REDUCED LEVEL OF HOST CELL PROTEINS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: XIAO, Hui;ZHANG, Sisi~ 33:US ~31:62/872,515 ~32:10/07/2019;33:US ~31:62/979,835 ~32:21/02/2020

2021/10750 ~ Complete ~54:PARALLELED DC-DC CONVERTERS WITH CIRCULATING CURRENT SUPPRESSION CIRCUIT ~71:General Electric Company, 1 River Road, SCHENECTADY 12345, NY, USA, United States of America ~72: RUSH, Kenneth McClellan;TONINI, Luca;TU, Hao;ZHANG, Zheyu~ 33:US ~31:62/865,786 ~32:24/06/2019

2021/10701 ~ Complete ~54:COMPOSITE BRAZING MATERIAL FOR HARD ALLOY BRAZING, PRODUCTION METHOD THEREOF, AND USE THEREOF IN CUTTING PICK BRAZING ~71:ZHENGZHOU RESEARCH INSTITUTE OF MECHANICAL ENGINEERING CO., LTD., NO. 149, Science Avenue, Zhengzhou Hi-Tech Industrial Development Zone, People's Republic of China ~72: GUO, Yanhong;HUANG, Junlan;LI, Yong;LONG, Weimin;LU, Quanbin;QIN, Jian;ZHONG, Sujuan;ZHOU, Xusheng~ 33:CN ~31:202110933187.0 ~32:12/08/2021

2021/10743 ~ Complete ~54:INFRASTRUCTURAL LINES AND CONTROL AND/OR COMMUNICATION NETWORKS ASSOCIATED THEREWITH ~71:NETAFIM LTD, 10 Derech Hashalom, Tel-Aviv, 67892, Israel ~72: ABRAHAM SCHWEITZER~ 33:US ~31:62/869,583 ~32:02/07/2019

2021/10746 ~ Complete ~54:METHOD AND DEVICE FOR CHARACTERIZING A MEDIUM USING REFRACTIVE INDEX ~71:SCULLY SIGNAL COMPANY, 70 Industrial Way, Wilmington, Massachusetts, 01887, United States of America ~72: SEAN PATERSON~ 33:US ~31:62/860,062 ~32:11/06/2019

2021/10697 ~ Provisional ~54:PATENT FOR BINARY 2.0 ~71:Ethan Rei, HOWARD, 75 Amajuba str Noordheuwel, South Africa ~72: Ethan Rei, HOWARD~

2021/10705 ~ Complete ~54:COOKING AND DRYING DEVICE FOR PREBOILED RICE ~71:Anhui Science and Technology University, 1501 Huangshan Avenue, Bengbu City, Anhui Province, 233000, People's Republic of China ~72: DING, Zhigang;GAO, Hongmei;LI, Xue;PENG, Gang;YANG, Jianting;ZHANG, Qi~

2021/10728 ~ Complete ~54:METHOD FOR PREPARING MESOPOROUS BASIC NICKEL SILICATE/SILICA SHELL-CORE MICROSPHERES WITH ADJUSTABLE INNER CHAMBER SPACE SIZE ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 53, Zhengzhou Road, Shibei District, Qingdao City, People's Republic of China ~72: CHEN, Dawei;DU, Fanglin;GUO, Zhiyan~

2021/10730 ~ Complete ~54:DISPENSER FOR A ROLL OF ABSORBENT PAPER WEB MATERIAL ~71:ESSITY HYGIENE AND HEALTH AKTIEBOLAG, 405 03, Sweden ~72: BENGTSSON, Mattias;GANDEMO, Tomas;GEERTSEN, Thomas;GUNGNER, Susanne;KÄLLGREN, Antonio;KULLMAN, Marcus~ 33:EP ~31:19208044.8 ~32:08/11/2019

2021/10747 ~ Complete ~54:FLOW CORRECTOR AND PUMP ASSEMBLY INCLUDING A FLOW CORRECTOR ~71:BATTLEMAX (PTY) LTD, 592 Barolong Street, Mooiplaats 355-Jr, South Africa ~72: BRANDT, Adian;BUITENDAG, Marthinus Jacobus;DE VILLIERS, Conrad Gräbe~ 33:ZA ~31:2019/06122 ~32:17/09/2019

2021/10752 ~ Complete ~54:METHOD FOR IMPLEMENTATION OF VIRTUAL LABORATORY TEACHING BASED ON 3D SIMULATION AND SYSTEM, MEDIUM AND EQUIPMENT THEREOF ~71:HOTDIGIT TECHNOLOGY CO., LTD., D-717, Century Wealth Center, Xinyu Road W., High-Tech Zone, Jinan, People's Republic of China ~72: CUI, Hong;FENG, Yu;LI, Qiling;WANG, Hua;WANG, Tao;WU, Rui;ZHAO, Xin~

2021/10706 ~ Complete ~54:ACETYLATED MORINDA OFFICINALIS WATER EXTRACT AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Xinxiang Medical University, No. 601 Jinsui Avenue, Hongqi District, Xinxiang City, Henan, 453003, People's Republic of China ~72: HOU, Hanyu;HUANG, Feng;MENG, Xiangfei;NIU, Bingxuan;NIU, Huifang~

2021/10734 ~ Complete ~54:SYSTEMS, DEVICES, AND METHODS FOR FLUID MONITORING ~71:GASTROKLENZ INC., 665 3rd St., Suite 250, San Francisco, California, United States of America ~72: ELBADRY, Aly R.;FRANCIS, Daniel Elliott;ROVIRA BORRAS, Carlos;YU, Eric Hsiang~ 33:US ~31:62/867,157 ~32:26/06/2019

2021/10737 ~ Complete ~54:PLANT FOR FILLING AND CLOSING CANS UNDER HYGIENIC CONDITIONS ~71:HYGENTILE AG, DÖRFLI 9, 5603 STAUFEN, SWITZERLAND, Switzerland ~72: KUNZMANN, Andreas~ 33:EP ~31:19182337.6 ~32:25/06/2019

2021/10751 ~ Complete ~54:APPARATUS AND METHOD FOR FILTERING IN VIDEO CODING ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: IKONIN, Sergey Yurievich;KARABUTOV, Alexander Alexandrovich;STEPIN, Victor Alexeevich~ 33:IB ~31:2019/050090 ~32:18/06/2019;33:IB ~31:2019/050091 ~32:18/06/2019

2021/10716 ~ Complete ~54:FOUR-SIDE-SEALED THREE-DIMENSIONAL BAG PACKAGING MACHINE ~71:Dezhou Henghui Machinery Limited Company, No. 8 Huaihe Avenue, Economic Development Zone, Ningjin County, De Zhou , Shandong, 253400, People's Republic of China ~72: JIANG, Guozhi;SHI, Rongsheng~ 33:CN ~31:202110387809.4 ~32:10/04/2021

2021/10739 ~ Complete ~54:NUCLEIC ACID, PHARMACEUTICAL COMPOSITION AND CONJUGATE, PREPARATION METHOD AND USE ~71:SUZHOU RIBO LIFE SCIENCE CO., LTD., 168 YUANFENG ROAD,

YUSHAN TOWN, KUNSHAN, SUZHOU, JIANGSU 215300, CHINA, People's Republic of China ~72: GAO, Shan;KANG, Daiwu;ZHANG, Hongyan~ 33:CN ~31:201910440575.8 ~32:24/05/2019

2021/10738 ~ Complete ~54:METHOD FOR OPERATING A MOBILE RADIO ~71:SAFENOW GMBH, BALANSTRASSE 73, 81541 MÜNCHEN, GERMANY, Germany ~72: RUMLAND, Tilman~ 33:DE ~31:10 2019 114 453.1 ~32:29/05/2019;33:DE ~31:10 2020 106 434.9 ~32:10/03/2020

2021/10696 ~ Provisional ~54:IN-LINE SIGNAL DISTRIBUTION SYSTEM ~71:POYNTING ANTENNAS (PTY) LIMITED, Unit 4, N1 Industrial Park, Landmarks Avenue, South Africa ~72: FOURIE, Andries, Petrus, Cronje;FRONEMAN, Stephen, Joseph;NITCH, Derek, Colin~

2021/10725 ~ Complete ~54:DEVICE FOR GRADED ENRICHMENT OF FLAVONOIDS, TERPENOIDS AND/OR STILBENOID COMPOUNDS IN PEANUT PLANTS ~71:SHANDONG PEANUT RESEARCH INSTITUTE, No. 126 Fushan Road, Licang District, Qingdao, People's Republic of China ~72: BI, Jie;JIANG, Chen;SHI, Chengren;SONG, Yu;WANG, Mingqing;YANG, Weiqiang;YU, Lina~ 33:CN ~31:202122768704.1 ~32:12/11/2021

2021/10698 ~ Provisional ~54:A REBATE TRACKING SYSTEM ~71:AFONSO, Clinton, 164 5TH AVENUE, DISCOVERY, ROODEPOORT, 1709, SOUTH AFRICA, South Africa ~72: AFONSO, Clinton~

2021/10727 ~ Complete ~54:IRON-REDUCING BACTERIUM DH4 STRAIN AND APPLICATION THEREOF ~71:YANGTZE UNIVERSITY, No. 1, Daxue Road, Caidian District, Wuhan City, People's Republic of China ~72: DONG, Hao;LI, Yang;SHE, Yuehui;SU, Sanbao;SUN, Shanshan;WENG, Xue;YU, Gaoming;ZHANG, Fan;ZHANG, Han;ZHENG, Anying~

- APPLIED ON 2021/12/22 -

2021/10757 ~ Provisional ~54:BRIQUETTE ~71:Tshwane University of Technology, Arcadia Campus, 175 Mandela Drive, Arcadia, PRETORIA 0083, Gauteng Province, SOUTH AFRICA, South Africa ~72: MOLELEKWA, Gomotsegang Fred~

2021/10783 ~ Complete ~54:FULL-AUTOMATIC OILING DEVICE FOR ELECTRIC MOTOR ~71:ZONQ MOTOR CO., LTD., West of Yingbin Avenue and North of Shouxian Road, Luoyang Economic and Technological Development Zone, People's Republic of China ~72: CHEN, Husheng;LIN, Bo;SONG, Zexin;YE, Lingrong;ZHANG, Jiachun~

2021/10796 ~ Complete ~54:SANITARY PAD WITH FOLD OUT ABRASION PROTECTION ~71:VAN PRAAG, Sarit, HaRav Kook St 39/4, Natanya, 4226023, Israel ~72: VAN PRAAG, Sarit~ 33:US ~31:62/866,620 ~32:26/06/2019

2021/10763 ~ Complete ~54:SHIELDING RADIATION PROTECTION EQUIPMENT ~71:JIANGSU CANCER HOSPITAL, NO.42, BAIZITING, NANJING CITY, People's Republic of China ~72: FENG, Yong;HE, Xia;QIAO, Wei;YIN, Li;ZHANG, Yufeng~

2021/10771 ~ Complete ~54:NON-TRAUMATIC KNEE JOINT STIFFNESS FUNCTION RECOVERY DEVICE ~71:The affiliated hospital of Qingdao university, No.59 Haier Road, Qingdao City, Shandong Province, People's Republic of China ~72: Kuang Guofang;Li Haiyan;Li Yanjiang;Su Qingqing;Wang Lei~

2021/10766 ~ Complete ~54:WATER QUALITY MONITORING SYSTEM ~71:CGC Geological and Mineral Construction Co., Ltd., No. 1205-15 Fangcaoyuan, Tongzhou District, Beijing, 101113, People's Republic of China;SHANDONG PROVINCIAL GEO-MINERAL ENGINEERING CO., LTD., No.74, Lishan Road, Jinan City, Shandong Province, 250013, People's Republic of China;Shandong Provincial Lunan Geology and Exploration

Institute (Shandong Provincial Bureau of Geology and Mineral Resources No.2 Geological Brigade), No.107, Jiuzhou Middle Road, Yanzhou District, Jining City, Shandong Province, 272100, People's Republic of China ~72: CHEN, Hao;LIANG, Wenji;LIU, Hong;LU, Xiaowei;YU, Sang~

2021/10789 ~ Complete ~54:PROCESSING TECHNOLOGY FOR IMPROVING GABA CONTENT IN GREEN TEA AND PRODUCT THEREOF ~71:GUIZHOU TEA RESEARCH INSTITUTE, Xiaohe Jinxin Community, Huaxi District, Guiyang City, People's Republic of China ~72: SHEN, Qiang;YANG, Xiaowei;ZHANG, Xiaoqin;ZHENG, Wenjia~

2021/10761 ~ Complete ~54:TOMATO CULTIVATION METHOD ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, NO.202 INDUSTRIAL NORTH ROAD, JINAN, People's Republic of China ~72: SUN, Kaining;SUN, Shengnan;WANG, Kean;WANG, Xiao;WEN, Dan;YANG, Ning~ 33:CN ~31:202111121297.3 ~32:24/09/2021

2021/10769 ~ Complete ~54:PIEZOELECTRIC-DRIVEN LIQUID MEDICINE SYRINGE AND CONTROL METHOD THEREOF ~71:Jiangxi Shengzhuo Technology Co., Ltd, No.3-401, Building 8, Yangfang Huayuan, Sanwei Road, Xincheng District, Fengcheng City, Yichun City, Jiangxi Province, 331104, People's Republic of China ~72: Huang Zhengying~

2021/10776 ~ Complete ~54:COMBINED PREDICTION METHOD AND APPARATUS FOR DEMAND POTENTIAL OF REGIONAL DATA CENTER (RDC) ~71:State Grid Energy Research Institute Co., Ltd., Floor 3 and 4, Building A, No.18 Binhe Avenue, Future Science and Technology City, Changping District, Beijing, 102200, People's Republic of China;Tianjin University, No.92 Weijin Road, Nankai District, Tianjin, 300110, People's Republic of China ~72: CHE, Yanbo;HU, Qinxiao;HUO, Molin;JI, Guoqiang;TAN, Qingkun;TANG, Wei;WU, Peng;ZHANG, Yu;ZHAO, Shidong;ZHENG, Haifeng;ZHENG, Zhihao~

2021/10809 ~ Complete ~54:SHORT-CIRCUIT PROTECTION SYSTEMS AND METHODS FOR FLYING CAPACITOR BASED BUCK-BOOST CONVERTERS ~71:General Electric Company, One River Road, Schenectady 12345, New York, USA, United States of America ~72: RUSH, Kenneth McClellan;TONINI, Luca;TU, Hao;ZHANG, Zheyu~ 33:US ~31:62/865,790 ~32:24/06/2019

2021/10765 ~ Complete ~54:METHOD FOR ETCHING MEDIUM CARBON STEEL MATRIX, ANTIFRICTION AND ANTIWEAR COMPOSITE LUBRICATING FILM, AND PREPARATION METHOD THEREFOR ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: LIU, Mingming;LIU, Yifang;WAN, Yong;WANG, Zhongqian;ZHANG, Jian~

2021/10775 ~ Complete ~54:PREPARATION METHOD OF HYDROXYL-CONTAINING PHOSPHAZENE RESIN ~71:Institute of Applied Chemistry, Jiangxi Academy of Science, No.7777, Changdong Avenue, Qingshanhu District, Nanchang city, Jiangxi Province, People's Republic of China ~72: Wang Ding~

2021/10782 ~ Complete ~54:METHOD FOR INDUCING MICROEVOLUTION OF DRUG RESISTANCE IN GRAM-NEGATIVE FOOD-BORNE BACTERIAL PATHOGENS ~71:SHANGHAI OCEAN UNIVERSITY, No. 999, Huchenghuan Road, Pudong New District, People's Republic of China ~72: HUANG, Zhenhua;LIU, Jing;TAO, Qian;WU, Qian;XU, Huan;ZHANG, Zhaohuan;ZHAO, Yong~

2021/10797 ~ Complete ~54:INTERVERTEBRAL FUSION CAGE ~71:JOHANN PETRUS STEGMANN, 17b Cheetham Road Bedford Park, Germiston , 2007, South Africa ~72: JOHANN PETRUS STEGMANN~

2021/10805 ~ Complete ~54:PROCESSES AND INTERMEDIATE FOR THE LARGE-SCALE PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-PYRIDIN-2-YL]-BENZAMIDE HEMISUCCINATE, AND PREPARATION OF 2,4,6-TRIFLUORO-N-[6-(1-METHYL-PIPERIDINE-4-CARBONYL)-

PYRIDIN-2-YLJ-BENZAMIDE ACETATE ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ABURUB, Aktham;COATES, David Andrew;FRANK, Scott Alan;KERR, Mark Steven;ROTHHAAR, Roger Ryan;VAID, Radhe Krishan~ 33:US ~31:62/871,965 ~32:09/07/2019

2021/10811 ~ Complete ~54:LOW TEMPERATURE RESISTANT MICROWAVE FERRITE CIRCULATOR ~71:ANHUI HERMERC MICROELECTRONIC CO., LTD, Building 2, Wanjiang High-tech Incubator Park, Laofeng Town, Anqing, People's Republic of China;NANJING HMC SYSTEM CO., LTD, Room 302, Building C1, 1865 Pioneer Park, No.388, Yingtian Street, Qinhua District, Nanjing, People's Republic of China;NANJING UNIVERSITY, No. 163 Xianlin Avenue, Qixia District Nanjing, People's Republic of China ~72: LIU, Yinyin;LU, Ling;YU, Tongxin;YU, Yang~ 33:CN ~31:201911020961.8 ~32:25/10/2019

2021/10768 ~ Complete ~54:LICKING BRICK FOR PREVENTING AND TREATING COW KETOSIS ~71:Northeast Agricultural University, No. 600, Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, 150000, People's Republic of China ~72: Guo Mengyao;Lin Hongjin;Xu Shiwen;Zhang Ziwei~

2021/10773 ~ Complete ~54:HANDBAG ZIPPER ANTENNA FOR INTERNET OF THINGS ~71:Hunan University, No.2 South Lushan Road, Yuelu District, Changsha City, Hunan Province, People's Republic of China ~72: Li Gaosheng;Li Hao;Li Jinxin;Xiao Pei;Yu Jie;Zhang Chao~

2021/10803 ~ Complete ~54:A CONJUGATE OF A CYTOTOXIC AGENT TO A CELL BINDING MOLECULE WITH BRANCHED LINKERS ~71:Hangzhou DAC Biotech Co., Ltd, Building 12, No. 260 Sixth Street, Zhengtaizhongzi Sci & Tech Park, HEDA, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: BAI, Lu;CAI, Xiang;CAO, Minjun;CHEN, Binbin;CHEN, Miaomiao;DU, Yong;GAI, Shun;GUO, Huihui;GUO, Zhixiang;HUANG, Yuanyuan;JIA, Junxiang;KONG, Xiangfei;LI, Wenjun;LIN, Chen;LIU, Xiaolei;XIE, Hongsheng;XU, Yifang;YANG, Qingliang;YANG, Yanlei;YE, Hangbo;ZHANG, Lingli;ZHANG, Xiuzhen;ZHAO, Linyao;ZHAO, Robert Yongxin;ZHENG, Jun;ZHOU, Xiaomai~

2021/10806 ~ Complete ~54:PACKAGE FOR PRESERVING RESPIRING PRODUCE AND METHOD ~71:Perfo Tec B.V., Klompenmakersweg 16, WOERDEN 3449 JB, THE NETHERLANDS, Netherlands ~72: GROENEWEG, Bastiaan Rinke Antony;VAN DE LOO, Paulus Josephus Benedictus Maria~ 33:NL ~31:2023294 ~32:12/06/2019;33:NL ~31:2024761 ~32:27/01/2020

2021/10754 ~ Provisional ~54:SPLIT NUT ASSEMBLY ~71:IMS Engineering (Pty) Ltd, 10 Derrick Road, Spartan, 1620, South Africa ~72: Athol David Myhill~

2021/10778 ~ Complete ~54:MULTISPLIT NITROGEN APPLICATION VIA DRIP IRRIGATION IMPROVES FLUE-CURED TOBACCO NITROGEN USE EFFICIENCY ~71:TOBACCO RESEARCH INSTITUTE OF CHINESE ACADEMY OF AGRICULTURAL SCIENCES, 11 Keyuanjing 4th Road, Laoshan District, Qingdao, Shandong, 266101, People's Republic of China ~72: DU, Chuanyin;GUAN, Ensen;LIANG, Xiaofang;MA, Xinghua;SHI, Yi;SUN, Yanguo;WANG, Dequan~

2021/10792 ~ Complete ~54:NEURODEGENERATIVE DISEASE THERAPIES UTILIZING THE SKIN-BRAIN AXIS ~71:OHIO STATE INNOVATION FOUNDATION, 1524 North High Street, Columbus, Ohio, United States of America ~72: CORREA, Diego Alzate;GALLEGO-PEREZ, Daniel;HIGUITA-CASTRO, Natalia;LAWRENCE, William~ 33:US ~31:62/869,788 ~32:02/07/2019

2021/10813 ~ Complete ~54:TREATMENT FOR SYNUCLEINOPATHIES ~71:SUN PHARMA ADVANCED RESEARCH COMPANY LTD., 17/B, Mahal Industrial Estate, Mahakali Caves Road, India ~72: DAMLE, Nitin Krishnaji;GOLDFINE, Andrew Michael;MANDHANE, Sanjaykumar Nandlal~ 33:IN ~31:201921023164 ~32:11/06/2019

2021/10772 ~ Complete ~54:MONITORING DEVICE FOR BRIDGE CONSTRUCTION DEFORMATION
~71:Henan University of Urban Construction, No. 1, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: Hu Guoping;Jia Yaofei;Li Hui;Li Ruiduo;Liu Jiawei;Lyu Dawei;Wang Qingguo;Xia Yingzhi~

2021/10801 ~ Complete ~54:A MEDICINE COMPOUNDING SYSTEM ~71:BOTANICAL RESOURCE HOLDINGS PROPRIETARY LIMITED, 1 Palamino Avenue, Somerset West, 7130, South Africa ~72: MARK KEMP;RICHARD PAUL DAVIES~

2021/10810 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AS BET INHIBITORS ~71:Nuvation Bio Inc., 1500 Broadway, Ste. 1401, NEW YORK 10036, NY, USA, United States of America ~72: BARDE, Anup;CHAKRAVARTY, Sarvajit;CHEN, Jiyun;KANKANALA, Jayakanth;MILLER, Chris P.;NAYAK, Anjan Kumar;PETTIGREW, Jeremy D.;PHAM, Son Minh~ 33:US ~31:62/870,020 ~32:02/07/2019;33:US ~31:63/017,547 ~32:29/04/2020

2021/10770 ~ Complete ~54:ENERGY MANAGEMENT METHOD OF MULTI ENERGY COMPLEMENTARY SYSTEM BASED ON CONTROLLABLE LOAD ~71:Henan Chaotuo New Energy Technology Co., Ltd., No. 816-1, 8th Floor, Block B, Zhengshang Huidu Center, West of Zhongzhou Avenue, South of Changjiang East Road, Huizu District, Guancheng, Zhengzhou City, Henan Province, 450000, People's Republic of China;Henan Shuigu Innovation Technology Research Institute Co., Ltd., Room 7001, 7th Floor, Jinchao International Building, 36 Zhongdao West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China;North China University of Water Resources and Electric Power, No. 36, Beihuan Road, Jinshui District, Zhengzhou City, Henan Province, 450045, People's Republic of China ~72: BAI, Lei;LI, Feng;LI, Xue;NIE, Haoyu;REN, Yan;WANG, Saishuang;WEI, Daohong;WU, Lile;ZHU, Shasha~

2021/10785 ~ Complete ~54:SECONDARY COATING METHOD FOR STEEL PLATE WITH COATING DEFECT ~71:SHANDONG LUQIAO GROUP CO., LTD., No. 14677 Jingshi Road, Lixia Zone, Jinan, People's Republic of China ~72: HAN, Junxia;LIU, Ying;MA, Lin;QU, Zhenhua;TIAN, Dong;WANG, Guoguang;XING, Gaoqiang;XING, Xirui~ 33:CN ~31:202111390701.7 ~32:23/11/2021

2021/10799 ~ Complete ~54:PYRAZOLE-SUBSTITUTED PYRROLIDINONES AS HERBICIDES ~71:FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: JAMES ALAN MORRIS;MATTHEW JAMES CAMPBELL;SALLY ELIZABETH RUSSELL;SEAN NG;THOMAS MARTIN STEVENSON;TRAVIS CHANDLER MCMAHON~ 33:US ~31:62/852,971 ~32:24/05/2019

2021/10808 ~ Complete ~54:AMINOPYRIMIDINE AMIDE AUTOPHAGY INHIBITORS AND METHODS OF USE THEREOF ~71:Deciphera Pharmaceuticals, LLC, 200 Smith Street, WALTHAM 02451, MA, USA, United States of America ~72: AHN, Yu Mi;CALDWELL, Timothy;FLYNN, Daniel L.;VOGETI, Lakshminarayana~ 33:US ~31:62/862,469 ~32:17/06/2019;33:US ~31:62/862,470 ~32:17/06/2019;33:US ~31:62/911,739 ~32:07/10/2019;33:US ~31:62/911,740 ~32:07/10/2019

2021/10767 ~ Complete ~54:LOW-DOSAGE OIL-BASED ASPHALT WARM MIX AGENT AND PREPARATION METHOD THEREOF ~71:Fushun Taimiao Chemical Technology Co., Ltd., No. 501, Unit 2, Building 15, East Section of Linjiang Road, Shuncheng District, Fushun City, Liaoning Province, 113009, People's Republic of China ~72: LIAO, Kejian;WANG, Hongguo;WANG, Lili;WANG, Zi~39;ang~

2021/10774 ~ Complete ~54:SPHERICAL POLYMER TREATING AGENT FOR HIGH-TEMPERATURE RESISTANT DRILLING FLUID AND PREPARATION METHOD THEREOF ~71:Zhejiang Ocean University, No. 1, Haida South Road, Lincheng street, Dinghai District, Zhoushan City, Zhejiang Province, People's Republic of China ~72: Wang Lang;Xu Li;Xu Lin;Xu Mingbiao~

2021/10779 ~ Complete ~54:AN INTERACTIVE LANGUAGE EDUCATION SYSTEM FOR INTERNATIONAL STUDENTS ~71:Baicheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, 137099, People's Republic of China ~72: Li Wenwen;Liu Yang;Sun Nannan~

2021/10786 ~ Complete ~54:REPAIR AND REGENERATION PRETREATMENT METHOD FOR CORRODED AREA OF STEEL STRUCTURE BRIDGE ~71:SHANDONG LUQIAO GROUP CO., LTD., No. 14677 Jingshi Road, Lixia Zone, Jinan, People's Republic of China ~72: HAN, Junxia;LIU, Ying;MA, Lin;MA, Zhuang;QU, Zhenhua;TIAN, Dong;TIAN, Zhiguo;XING, Xirui~ 33:CN ~31:202111374055.5 ~32:19/11/2021

2021/10790 ~ Complete ~54:METHOD FOR PROCESSING HIGH-GABA FAMOUS GREEN TEA AND PRODUCT THEREOF ~71:GUIZHOU TEA RESEARCH INSTITUTE, Xiaohe Jinxin Community, Huaxi District, Guiyang City, People's Republic of China ~72: SHEN, Qiang;YANG, Xiaowei;ZHANG, Xiaoqin;ZHENG, Wenjia~

2021/10795 ~ Complete ~54:ROTARY TRASH CLEANING MACHINE WITH MOTOR LESS PRONE TO BREAKAGE ~71:Jiangsu YiHuan Group Co., Ltd, Technical Department, 518 Lvyuan Road, Huankeyuan, Yixing, Jiangsu, 214200, People's Republic of China ~72: HANG, Junliang;HU, Qing;QIANG, Chengliang;ZHU, Lei;ZOU, Fei~ 33:CN ~31:202011282846.0 ~32:17/11/2020

2021/10804 ~ Complete ~54:COLUMN SHOE FOR FASTENING REINFORCED CONCRETE COLUMNS TO A BASE ~71:Peikko Group Oy, Voimakatu 3, LAHTI 15170, FINLAND, Finland ~72: KINNUNEN, Jorma~ 33:FI ~31:20195632 ~32:12/07/2019

2021/10787 ~ Complete ~54:COATING PRETREATMENT METHOD FOR STEEL STRUCTURE BRIDGE ~71:SHANDONG LUQIAO GROUP CO., LTD., No. 14677 Jingshi Road, Lixia Zone, Jinan, People's Republic of China ~72: HAN, Junxia;LIU, Ying;MA, Lin;QI, Meng;QU, Zhenhua;TIAN, Dong;XING, Xirui~ 33:CN ~31:202111373897.9 ~32:19/11/2021

2021/10794 ~ Complete ~54:SENSING ARRANGEMENT FOR INDICATING THE DEPLETION OF A CORELESS ROLL OF ABSORBENT PAPER WEB MATERIAL IN A DISPENSER, A DISPENSER AND A METHOD FOR ARRANGING A CORELESS ROLL ~71:ESSITY HYGIENE AND HEALTH AKTIEBOLAG, 405 03, Sweden ~72: ELLIOTT, Adam;KASILAG, Christian;WARD, Don~ 33:WO ~31:PCT/SE2019/051170 ~32:18/11/2019

2021/10802 ~ Complete ~54:MICELLAR NANOPARTICLES AND USES THEREOF ~71:Biorchestra Co., Ltd., 2F-216, Venture-Dong, Kribb, 125, Gwahak-Ro, YUSEONG-GU 34141, DAEJEON, REPUBLIC OF KOREA, Republic of Korea ~72: CHO, Hyun-Jeong;KIM, Dae Hoon;KOH, Han Seok;LIM, Yu Na;MIN, Hyun Su;RYU, Jin-Hyeob~ 33:US ~31:62/867,097 ~32:26/06/2019;33:US ~31:63/043,693 ~32:24/06/2020

2021/10816 ~ Complete ~54:METHOD FOR PREPARING MICRON-SIZED SPHERICAL WEIGHTING MATERIAL ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'anshan City, People's Republic of China;SINOSTEEL MIMR NEW MATERIAL TECHNOLOGY CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'anshan City, People's Republic of China;SINOSTEEL NANJING HUAXIN TECHNOLOGY CO., LTD, Building 26, Headquarters Base of Jiangning Development Zone, No. 70 Phoenix Road, Jiangning District, People's Republic of China ~72: LIU, Lei;LIU, Yahui;PENG, Lifen;SUN, Guoquan;WANG, Guanghui;XU, Chuanhua~ 33:CN ~31:202011247134.5 ~32:10/11/2020

2021/10760 ~ Complete ~54:PLANTING METHOD FOR IDENTIFYING COMBINING ABILITIES OF MAIZE DH LINES ~71:ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, NO. 1, XINDUN VILLAGE, XINDUN TOWN, GANZHOU DISTRICT, ZHANGYE, People's Republic of China;ZHANGYE YINONG AGRICULTURAL TECHNOLOGY CO., LTD., BUILDING 7, JUYUAN, XINLE COMMUNITY, GANZHOU DISTRICT, ZHANGYE,

People's Republic of China ~72: LIANG, Shuangling;MA, Haiyuan;WANG, Chan;WANG, Yong;ZHANG, Yu;ZHAO, Limei;ZHAO, Xiangtian~ 33:CN ~31:202110898030.9 ~32:05/08/2021

2021/10784 ~ Complete ~54:ALLOY TARGET MATERIAL CONTAINING RARE EARTH ELEMENTS AND PREPARATION METHOD THEREOF ~71:ADVANCED TARGETS MATERIALS CO., LTD, No.9, Keyuan Road, Zhuozhou Development Zone, Baoding City, People's Republic of China ~72: JIANG, Hai;TANG, Peixin~

2021/10800 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DAVID CHRISTOPHER THORLEY;JONATHAN BEST;JULIE BENNETT;STEPHEN NORMAN BATCHELOR~ 33:EP ~31:19183232.8 ~32:28/06/2019

2021/10777 ~ Complete ~54:LAYERED WATER PUMPING DEVICE FOR HYDROLOGICAL-ENGINEERING-ENVIRONMENTAL GEOLOGICAL DRILLING ~71:CGC Geological and Mineral Construction Co.,Ltd, No. 1205-15 Fangcaoyuan, Tongzhou District, Beijing, 101113, People's Republic of China;SHANDONG PROVINCIAL GEO-MINERAL ENGINEERING CO., LTD., No. 74, Lishan Road, Jinan City, Shandong Province, 250013, People's Republic of China;Shandong Provincial Lunan Geology and Exploration Institute (Shandong Provincial Bureau of Geology and Mineral Resources No.2 Geological Brigade), No. 107, Jiuzhou Middle Road, Yanzhou District, Jining City, Shandong Province, 272100, People's Republic of China ~72: CHEN, Hao;LIANG, Wenji;LIU, Hong;LU, Xiaowei;YU, Sang~

2021/10791 ~ Complete ~54:CONTAINER WITH HINGED LID ~71:APL CARTONS (PTY) LTD, Abattoir Road, South Africa;GRAND PLASTICS (PTY) LTD, 24 Zinfandal Road, South Africa ~72: LE GRANGE, Martin Francisco~

2021/10812 ~ Complete ~54:INFRARED FILTER ~71:ANHUI HERMERC MICROELECTRONIC CO., LTD, Building 2, Wanjiang High-tech Incubator Park, Laofeng Town, Anqing, People's Republic of China;NANJING HMC SYSTEM CO., LTD, Room 302, Building C1, 1865 Pioneer Park, No.388, Yingtian Street, Qinhuai District, Nanjing, People's Republic of China;NANJING UNIVERSITY, No. 163 Xianlin Avenue, Qixia District Nanjing, People's Republic of China ~72: LIU, Yinyin;LU, Ling;YU, Tongxin;YU, Yang~ 33:CN ~31:201910680129.4 ~32:26/07/2019

2021/10756 ~ Provisional ~54:A WORK PIECE SUPPORT ~71:HI-TECH MACHINE TOOLS (PTY) LTD, 16 Nguni Drive, Longmeadow West, MODDERFONTEIN 1609, SOUTH AFRICA, South Africa ~72: KILLIAN, Christopher~

2021/10780 ~ Complete ~54:MUC16 SPECIFIC CHIMERIC ANTIGEN RECEPTORS AND USES THEREOF ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: HELEN SABZEVARI;RUTUL R SHAH~ 33:US ~31:62/680,297 ~32:04/06/2018

2021/10814 ~ Complete ~54:COMBINED BLOCKING AND DREDGING METHOD FOR DRAINAGE CHUTE AND DRAINAGE CULVERT OF TAILINGS POND ~71:ENGINEERING INVESTIGATION & DESIGN INSTITUTE OF SINOSTEEL MIMR CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'anshan City, People's Republic of China;HUAWEI NATIONAL ENGINEERING RESEARCH CENTER OF HIGH EFFICIENT RECYCLE AND UTILIZATION FOR METALLIC MINERAL RESOURCES CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'anshan City, People's Republic of China;SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'anshan City, People's Republic of China ~72: DAI, Yongxin;GUO, Guangtao;HOU, Yifeng;NI, Zhiwei;QIN, Ke;TANG, Kai;WANG, Bin;WU, Xiaogang;XU, Chuanhua;ZHAO, Jun;ZHAO, Mengsheng;ZHOU, Yuxin~ 33:CN ~31:202011245468.9 ~32:10/11/2020

2021/10755 ~ Provisional ~54:PORTABLE, SELF -SUSTAINING POWER SYSTEM FROM SUN, WIND AND FREQUENCY WAVES MSED HARVEST FROM ATMOSPHERE INCLUDING WATER PURIFICATION.
~71:Adriaan Vermaas, 69 Hampton Hall Blvd, United States of America;Johan Bothma, 34 Impala Street,, South Africa ~72: Adriaan Vermaas~

2021/10793 ~ Complete ~54:SUBSTITUTED 1,3-PHENYL HETEROARYL DERIVATIVES AND THEIR USE IN THE TREATMENT OF DISEASE ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: ADCOCK, Claire;AXFORD, Jake;HOU, Ying;KIM, Hyungchul;LIGHTFOOT, Megan;MAZZACANI, Alessandro;SHEN, Yiping;SMITH, Nichola;SOLOVAY, Catherine;STANLEY, Emily;SUNG, Moo Je;WHITEHEAD, Lewis~ 33:US ~31:62/892,664 ~32:28/08/2019

2021/10815 ~ Complete ~54:METHOD FOR PREPARING MICRON-SIZED SPHERICAL WEIGHTING MATERIAL BY TAKING IRON ORE CONCENTRATE POWDER AS RAW MATERIAL ~71:HUAWEI NATIONAL ENGINEERING RESEARCH CENTER OF HIGH EFFICIENT RECYCLE AND UTILIZATION FOR METALLIC MINERAL RESOURCES CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'an Shan City, People's Republic of China;SINO STEEL MA'ANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'an Shan City, People's Republic of China;SINO STEEL MIMR NEW MATERIAL TECHNOLOGY CO., LTD, No. 666, Xitang Road, Economic-Technological Development Zone, Ma'an Shan City, People's Republic of China ~72: GAO, Chunqing;LIU, Lei;LIU, Yahui;PENG, Lifen;SHEN, Jinjie;SUN, Binqun;SUN, Guoquan;XU, Chuanhua~ 33:CN ~31:202011245464.0 ~32:10/11/2020

2021/10764 ~ Complete ~54:FLOS DOLICHORIS LABLAB-DERIVED FLAVONOIDS AND PREPARATION METHOD THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: CAI, Weirong;LI, Jingjing;WANG, Qingqing;WANG, Yuling;YUE, Danwei;ZHU, Ying;ZHUO, Yunyun~ 33:CN ~31:202110517765.2 ~32:12/05/2021

2021/10781 ~ Complete ~54:METHOD FOR PREPARING MONATOMIC SILICON BY UTILIZING JOULE HEAT ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, 53 Zhengzhou Road, Qingdao City, People's Republic of China ~72: LI, Bin;LIN, Haifeng;MA, Yiru;WANG, Lei;XU, Guangrui;ZHANG, Xinghao~

2021/10758 ~ Provisional ~54:BRIQUETTE ~71:Tshwane University of Technology, Arcadia Campus, 175 Mandela Drive, Arcadia, PRETORIA 0083, Gauteng Province, SOUTH AFRICA, South Africa ~72: MOLELEKWA, Gomotsegang Fred~

2021/10762 ~ Complete ~54:PROLONGED RELEASE TABLETS COMPRISING RANOLAZINE AND METHOD OF PREPARATION THEREOF ~71:PHARMATHEN S.A., 6 DERVENAKION STREET, 15351 PALLINI ATTIKIS, GREECE, Greece ~72: FOUSTERIS, Manolis;KAKOURIS, Andreas;KALASKANI, Anastasia;KAPETANAKIS, Antonis;KARAVAS, Evangelos;KOUTRI, Ioanna;KOUTRIS, Efthymios;SAMARA, Vasiliki~

2021/10788 ~ Complete ~54:SPINE MINIMALLY INVASIVE SINGLE-QUADRANT ECCENTRIC MULTIPOINT NAIL ENTRY POSITIONING AND GUIDING DEVICE ~71:ZHENG, Yusong, Quanzhou First Hospital, Anji Road, Fengze District, Quanzhou, People's Republic of China ~72: LIN, Jinding;TIAN, Kangyong;ZHENG, Yusong~

2021/10798 ~ Complete ~54:CUTTING ARRANGEMENT FOR AN AGRICULTURAL OR FORESTRY CUTTING UNIT ~71:SMF-HOLDING GMBH, Siegener Straße 10, 57612 , Eichelhardt, Germany ~72: RALF SCHMIDT;SASCHA OTTO~ 33:EP ~31:19177104.7 ~32:28/05/2019

2021/10807 ~ Complete ~54:MODIFIED GAPMER OLIGONUCLEOTIDES AND METHODS OF USE ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BEIGELMAN, Leonid;HONG, Jin;PANDEY, Rajendra K.;RAJWANSHI, Vivek Kumar;SMITH, David

Bernard~ 33:US ~31:62/855,793 ~32:31/05/2019;33:US ~31:62/937,760 ~32:19/11/2019;33:US
~31:62/943,532 ~32:04/12/2019

- APPLIED ON 2021/12/23 -

2021/10817 ~ Provisional ~54:SYSTEMS AND METHODS FOR A QR CODE PAYMENT SLEEVE WITH A QR CODE POS SYSTEM ~71:TRANSACT COMPANY, 42 MATROSE STREET, KWAMAGXAKI, South Africa ~72: YOSHIHITO YAME~

2021/10822 ~ Complete ~54:AUTOMATIC DETECTION ALL-IN-ONE MACHINE FOR TULIPA EDULIS AND DETECTION METHOD ~71:WEST ANHUI UNIVERSITY, WEST MOON ISLAND, YUNLU BRIDGE, LU'AN, People's Republic of China ~72: SUN, Chuanbo;ZHAO, Qun~

2021/10834 ~ Complete ~54:PRIMER/PROBE COMBINATION AND KIT FOR DUAL REAL-TIME FLUORESCENT QUANTITATIVE PCR DETECTION OF ENTEROCYTOZON HEPATOPENAEI (EHP) AND SHRIMP HEMOCYTE IRIDESCENT VIRUS (SHIV) ~71:Zhuhai Kerric Testing Co., Ltd., 4th and 5th Floors, Block A, No.6 Factory, Keji 4th Road, Science and Technology Innovation Coast, Zhuhai, Guangdong, 519085, People's Republic of China ~72: CHEN, Sina;HOU, Yue'e;LAN, Jianyuan;WAN, Shaoli;XU, Zaozhu;ZENG, Junxia~

2021/10843 ~ Complete ~54:METHOD FOR IMPROVING MAGNETIC FIELD SENSITIVITY OF METAL FIBER ~71:Qingdao University of Technology, No. 11, Fushun Road, Shibei District, Qingdao, Shandong Province, 266033, People's Republic of China ~72: CUI, Ning;GAN, Zhiying;GAO, Lulu;GUO, Dong;MA, Xinghua;ZHANG, Shuling~

2021/10849 ~ Complete ~54:ROOTING AGENT FOR CUTTING PROPAGATION OF DWARFING APPLE ROOTSTOCK M9T337, PREPARATION METHOD, AND PROPAGATION METHOD ~71:Dongying Qingnong Large Saline-alkali Land High-efficiency Agricultural Technology Industry Research Institute, Room 305, Building 6, E-commerce Headquarters Base, Zhihui Road, Yellow River Delta Agricultural High-tech Industry Demonstration Zone, Dongying City, Shandong Province , 257300, People's Republic of China;Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: LI, Chao;SU, Shenghui;TIAN, Qiuye;WANG, Yongzhang;XU, Xiaozhao;YUAN, Yongbing~ 33:CN ~31:202011622198.9 ~32:31/12/2020

2021/10858 ~ Complete ~54:KEY ENZYME GENE TVHSP70 OF TRICHODERMA VIRIDE FOR RESPONDING TO HIGH TEMPERATURE STRESS, RECOMBINANT EXPRESSION VECTOR, ENGINEERING BACTERIA AND APPLICATION THEREOF ~71:BEIJING INSTITUTE OF TECHNOLOGY, No. 5, South Zhongguancun Street, Haidian District, People's Republic of China;BIOLOGY INSTITUTE OF SHANDONG ACADEMY OF SCIENCES, No. 19, Keyuan Road, Lixia District, Jinan, People's Republic of China;GOLDEN STAR (RIZHAO) AGRICULTURAL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., Yujia Village, Beikuo Town, Lanshan, Rizhao, People's Republic of China;INSTITUTE OF GENETICS AND DEVELOPMENTAL BIOLOGY, CHINESE ACADEMY OF SCIENCES, No. 2, Courtyard 1, Beichen West Road, Chaoyang District, People's Republic of China;NANJING AGRICULTURAL UNIVERSITY, No. 1 Weigang, Xuanwu District, People's Republic of China;SHANDONG NORMAL UNIVERSITY, No. 1, Daxue Road, Changqing District, Jinan, People's Republic of China ~72: GUO, Kai;HAO, Yongren;HUANG, Yanhua;HUO, Xuexue;HUO, Yixin;LI, Rong;LIU, Shulin;REN, Zongming;TIAN, Zhixi;ZHENG, Zehui~ 33:CN ~31:202111494975.0 ~32:08/12/2021

2021/10860 ~ Complete ~54:DEVICE FOR DISTRIBUTED MULTI-POINT WATER QUALITY SAMPLING WITH LONG-DISTANCE REMOTE CONTROL ~71:SHANDONG JIAOTONG UNIVERSITY, No. 5 Jiaoxiao Road, Tianqiao District, Jinan, People's Republic of China ~72: HOU, Enguang;LI, Xiaowei;LIU, Guangmin;QIAO, Xin;WANG, Xiaohong;WANG, Xuejuan;WANG, Zhixue;XIE, Jun;XIE, Zhaoyan;ZHANG, Yun~

2021/10873 ~ Complete ~54:FORMULATIONS CONTAINING ANTI-CD47/PD-L1 BISPECIFIC ANTIBODY AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Innovent Biologics (Suzhou) Co., Ltd., 168 Dongping Street, Suzhou Industrial Park, SUZHOU 215123, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: MA, Yidong;WANG, Yinjue;ZHOU, Kaisong;ZHU, Xinggui~ 33:CN ~31:201910554231.X ~32:25/06/2019;33:CN ~31:202010550660.2 ~32:16/06/2020

2021/10882 ~ Complete ~54:MEMBRANE INSPECTION METHOD BASED ON MAGNETIC FIELD SENSING ~71:SB Technologies Inc., 400 rue Marquette, SHERBROOKE J1H 1M4, QUEBEC, CANADA, Canada;Solmax International Inc., 2801 rte Marie-Victorin, VARENNES J3X 0J4, QUEBEC, CANADA, Canada ~72: FLANSBERRY, Zackary;GUILLETTE, Vincent Philippe;ROY-GUAY, David~ 33:US ~31:62/868,362 ~32:28/06/2019

2021/10891 ~ Complete ~54:FINING GLASS USING HIGH TEMPERATURE AND LOW PRESSURE ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: SCOTT WEIL;ZHONGMING WANG~ 33:US ~31:16/668,115 ~32:30/10/2019

2021/10904 ~ Complete ~54:SELECTIVE CHEMICAL FINING OF SMALL BUBBLES IN GLASS ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: ROGER P SMITH;SCOTT WEIL;ZHONGMING WANG~ 33:US ~31:16/590,062 ~32:01/10/2019

2021/10819 ~ Provisional ~54:A LOCKING ARRANGEMENT ~71:FLY, Derek, Mark, 16 Hill Crescent, Aston Manor, South Africa ~72: FLY, Derek, Mark~

2021/10833 ~ Complete ~54:ASSEMBLED INTELLIGENTLY DAMPING DEVICES AND CONSTRUCTION METHOD FOR SEISMIC REINFORCEMENT OF SLOPE ~71:China Harbour Engineering Co., Ltd, No. 9 Chunxiu Road, Dongcheng District, Beijing City, 100010, People's Republic of China;National Institute of Natural Hazards, Ministry of Emergency Management of China, No. 1 Anningzhuang Road, Haidian District, Beijing City, 100089, People's Republic of China;Shijiazhuang Institute of Railway Technology, No.18, Sishuichang Road, Chang'an District, Shijiazhuang City, Hebei Province, 050000, People's Republic of China;Western University, No. 1151 Richmond Street, London City, Ontario Province, N6A5B7, Canada;Zuiyi Survey and design institute of water conservancy and hydropower Co.Ltd, No. 167 Xima Road, Huichuan District, Zunyi City, Guizhou Province, 563002, People's Republic of China ~72: Goda Katsuichiro;Huang Shuai;Li Penglin;Liu Chuazheng;Shang Yanliang;Xiu Liwei;Xu Chong;Yao Guozhuan~

2021/10836 ~ Complete ~54:PREPARATION METHOD OF SULFUR DIOXIDE ABSORBENT FOR FLUE GAS TREATMENT ~71:Huawei National Engineering Research Center for Efficient Recycling of Metal Mineral Resources Co., Ltd., No. 666, Xitang Road, Economic and Technological Development Zone, Ma'anshan City, Anhui Province, 243004, People's Republic of China;SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO, LTD, No. 666, Xitang Road, Economic and Technological Development Zone, Ma'anshan City, Anhui Province, 243004, People's Republic of China;University of South China, 28 Changsheng West Road, Zhengxiang District, Hengyang City, Hunan Province, 421001, People's Republic of China ~72: KANG, Qian;LI, Gang;WU, Xiaoyan~

2021/10851 ~ Complete ~54:METHOD FOR DETECTING ENTEROCOCCUS HIRAE IN MEDICAL FOOD BY DROPLET DIGITAL PCR ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China ~72: Cui Yawei;Lei Zhiwen;Liu Ke;Liu Lingxiao;Liu Yunguo;Tang Xiaojuan;Xu Xiaomei;Zhang Jie~ 33:CN ~31:202110504836.5 ~32:10/05/2021

2021/10862 ~ Complete ~54:SYSTEM FOR OPTIMIZING PASSENGER FLOW LINES AND DYNAMIC GUIDANCE INDICATOR BOARD IN SUBWAY STATIONS AND DESIGN METHOD THEREOF ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone,

Qingdao, People's Republic of China ~72: CHEN, Deqi;KANG, Yuanlei;PAN, Fuquan;QU, Dayi;YANG, Jinshun;YANG, Xiaoli;YANG, Xiaoxia;ZHANG, Rui~ 33:CN ~31:202111171705.6 ~32:08/10/2021

2021/10884 ~ Complete ~54:PEPTIDE-MHC COMPLEXES ~71:Immunocore Limited, 92 Park Drive, Milton Park, ABINGDON OX14 4RY, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: BLICHER, Thomas Holberg;DE SOUZA, Victoria Arena~ 33:GB ~31:1909509.0 ~32:02/07/2019

2021/10897 ~ Complete ~54:MIXER AND MIXING UNIT FOR MIXING A PASTE ~71:BETOLAR OY, Mannilantie 9, Kannonkoski, 43300, Finland ~72: JUHA LEPPÄ;NEN~ 33:FI ~31:20195469 ~32:03/06/2019

2021/10905 ~ Complete ~54:MULTI-CHAMBER SUBMERGED COMBUSTION MELTER AND SYSTEM ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: SHANE T RASHLEY;ZHONGMING WANG~ 33:US ~31:16/509,128 ~32:11/07/2019

2021/10895 ~ Complete ~54:AGRICULTURAL TOOL UNIT FOR RAPID CONVERSION OF A COMBINATION SEED DRILL HAVING A TRAILED OR FINE-GRAIN SEED DISPENSER TO AN ON-DEMAND SUPPLY SYSTEM AND VICE VERSA ~71:TALLERES METALURGICOS CRUCIANELLI S.A., Ruta Nacional 9 Km 397-Armstrong Santa Fe, 2505, Argentina ~72: GUSTAVO RAUL CRUCIANELLI~

2021/10901 ~ Complete ~54:MULTISPECIFIC PROTEINS ~71:MOLECULAR PARTNERS AG, Wagistrasse 14, 8952, Zurich-Schlieren, Switzerland ~72: ALEXANDER LINK;CHRISTIAN REICHEN;JULIA HEPP;VICTOR LEVITSKY~ 33:US ~31:62/857,037 ~32:04/06/2019

2021/10908 ~ Complete ~54:IMPROVED FERTILISER ~71:INCITEC FERTILIZERS PTY LIMITED, Level 8, 28 Freshwater Place Southbank, Australia ~72: DURACK, Ellen;HOGAN, Nicholas;HUGHES, Timothy;KHALIL, Roya;WALKER, Charles Norman~ 33:AU ~31:2019902376 ~32:04/07/2019;33:AU ~31:2020900981 ~32:31/03/2020

2021/10821 ~ Provisional ~54:SELF PRIMING PUMP WITH CATCHMENT TANK ~71:Nombuso Mabuse, 310 Bedford centre, South Africa;Nombuso Mabuse, 310 Bedford centre, South Africa ~72: Mosadimotse Engineering Solutions~

2021/10832 ~ Complete ~54:QUICKLY MOUNTED AND DISMOUNTED PNEUMATIC LIFTING PLATFORM ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Road, Huainan, Anhui, 232001, People's Republic of China ~72: LU, Shuqun~

2021/10837 ~ Complete ~54:FLUE GAS DESULFURIZATION ADSORPTION DEVICE BASED ON SILICON-BASED MESOPOROUS MATERIAL AND METHOD OF USING SAME ~71:Huawei National Engineering Research Center for Efficient Recycling of Metal Mineral Resources Co., Ltd., No. 666, Xitang Road, Economic and Technological Development Zone, Ma'anshan City, Anhui Province, 243004, People's Republic of China;SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO, LTD, No. 666, Xitang Road, Economic and Technological Development Zone, Ma'anshan City, Anhui Province, 243004, People's Republic of China;University of South China, 28 Changsheng West Road, Zhengxiang District, Hengyang City, Hunan Province, 421001, People's Republic of China ~72: LI, Gang;WU, Xiaoyan~

2021/10853 ~ Complete ~54:A METHOD FOR TREATING AND CONTROLLING POST-HARVEST PHYSIOLOGICAL DISORDERS IN FRUIT VIA EDIBLE COATINGS ~71:Decco Worldwide Post-Harvest Holdings B.V., Tankhoofd 10, Vondelingenplaat, KE ROTTERDAM 3196, THE NETHERLANDS, Netherlands ~72: AKHTER, Sohail;GÓMEZ HERNÁNDEZ, Enrique~ 33:ES ~31:P201731140 ~32:22/09/2017

2021/10863 ~ Complete ~54:SYSTEM OF ASSISTED DECISION-MAKING FOR CROWD EVACUATION BASED ON ANT COLONY ALGORITHM AND IMPROVED SOCIAL FORCE MODEL ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, People's Republic of China ~72: CHEN, Deqi;KANG, Yuanlei;PAN, Fuquan;QU, Dayi;YANG, Xiaoli;YANG, Xiaoxia;YANG, Yi;ZHANG, Lixia~ 33:CN ~31:202110180767.7 ~32:08/02/2021

2021/10870 ~ Complete ~54:EP2 ANTAGONIST ~71:Ono Pharmaceutical Co., Ltd., 1-5, Doshomachi 2-chome, Chuo-ku, OSAKA-SHI 5418526, OSAKA, JAPAN, Japan ~72: HIROOKA, Yasuo;LI, Ning;WATANABE, Akio;YANG, Michael G.;YOSHIDA, Atsushi~ 33:JP ~31:2019-122077 ~32:28/06/2019

2021/10872 ~ Complete ~54:FILTER ELEMENT FOR AN AIR FILTER DEVICE IN A MOTOR VEHICLE, AND AIR FILTER DEVICE ~71:Daimler AG, Mercedesstraße 120, STUTTGART 70372, GERMANY, Germany ~72: SCHUMACHER, Eric~ 33:DE ~31:10 2020 110 941.5 ~32:22/04/2020;33:DE ~31:10 2021 000 515.5 ~32:02/02/2021

2021/10875 ~ Complete ~54:AN ENCODER, A DECODER AND CORRESPONDING METHODS ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: A, Jeeva Raj;ESENLIK, Semih;KOTECHA, Sagar;SETHURAMAN, Sriram~ 33:IN ~31:201931024825 ~32:21/06/2019

2021/10880 ~ Complete ~54:IN-SCRIPT FUNCTIONS WITHIN A BLOCKCHAIN TRANSACTION ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: AMMAR, Bassem;DAVIES, Jack;TARTAN, Chloe;VAUGHAN, Owen;WAHAB, Jad;WRIGHT, Craig;ZHANG, Wei~ 33:GB ~31:1907347.7 ~32:24/05/2019

2021/10885 ~ Complete ~54:IRAK DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 200 Arsenal Yards Blvd., Suite 230, WATERTOWN 02472, MA, USA, United States of America ~72: FLEMING, Paul R.;JI, Nan;MAINOLFI, Nello;WEISS, Matthew M.;ZHANG, Yi;ZHENG, Xiaozhang~ 33:US ~31:62/868,609 ~32:28/06/2019;33:US ~31:62/875,407 ~32:17/07/2019;33:US ~31:62/908,153 ~32:30/09/2019;33:US ~31:62/944,834 ~32:06/12/2019;33:US ~31:62/948,968 ~32:17/12/2019;33:US ~31:62/958,980 ~32:09/01/2020;33:US ~31:62/964,955 ~32:23/01/2020;33:US ~31:63/040,891 ~32:18/06/2020

2021/10894 ~ Complete ~54:ARRANGEMENT AND METHOD FOR MIXING A PASTE AT A WASTE DISPOSAL SITE ~71:BETOLAR OY, Mannilantie 9, Kannonkoski, 43300, Finland ~72: JUHA LEPPÄNEN~ 33:FI ~31:20195469 ~32:03/06/2019

2021/10899 ~ Complete ~54:PREDICTION SYSTEM ~71:SUMITOMO HEAVY INDUSTRIES, LTD., 1-1, Osaki 2-chome, Shinagawa-ku, Tokyo, 1416025, Japan ~72: MASANORI KADOWAKI;YUTAKA AKEDO~ 33:JP ~31:2019-122012 ~32:28/06/2019

2021/10902 ~ Complete ~54:COOLING PANEL FOR A MELTER ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: DAVID SOLEY;JIAN JIAO;ROBERT KUHLMAN;SHANE T RASHLEY;SUSAN L SMITH;WALTER ANDERSON~ 33:US ~31:16/590,065 ~32:01/10/2019

2021/10906 ~ Complete ~54:FINING GLASS FROM A SUBMERGED COMBUSTION MELTER ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: ERNEST IDDINGS;NICHOLAS A SCHOENROCK;ZHONGMING WANG~ 33:US ~31:16/590,076 ~32:01/10/2019

2021/10909 ~ Complete ~54:INSECTICIDAL PROTEINS FROM PLANS AND METHODS FOR THEIR USE ~71:HEXIMA LIMITED, La Trobe Institute For Molecular Science level 4 Lims2, La Trobe University Melbourne, Australia;PIONEER HI-BRED INTERNATIONAL, INC, 7100 NW 62nd Avenue P O Box 1014 Johnston Iowa, United States of America ~72: LIU Lu;LUM Amy;ONG Azalia S;SCHEPERS Eric;UDRANSZKY Ingrid;ZHONG Xiaohong~ 33:US ~31:62/642 642 ~32:14/03/2018;33:IB ~31:(PCT/US2019/021775) ~32:12/03/2019

2021/10827 ~ Complete ~54:ONE-RECEIVING FIVE-TRANSMITTING LIGHT GUIDE CIRCUIT AND USING METHOD THEREOF ~71:SHENZHEN KILOTONE SCIENCE AND TECHNOLOGY CO., LTD., East of 6th Floor, Building B, Xinmusheng Low Carbon Industrial Park, No. 6 Xinmu Avenue, Pinghu Street, Longgang District, Shenzhen, Guangdong, 518100, People's Republic of China ~72: CHEN, Zelong;HU, Ziqian;YANG, Mingdong;ZENG, Yan~

2021/10842 ~ Complete ~54:METHOD FOR DETECTING DAMAGE OF CABLE STRUCTURE BASED ON STRESS WAVE TECHNIQUE ~71:South China University of Technology, 381 Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, People's Republic of China ~72: MA, Niujiang~

2021/10844 ~ Complete ~54:A REMOTE WATER LEVEL MONITORING SYSTEM BASED ON WIRELESS COMMUNICATION ~71:Harbin Engineering University, No.145 Nantong Street, Nangang District, Harbin, Heilongjiang Province, 150009, People's Republic of China ~72: SUN, Yan;ZHENG, Wenxi~

2021/10845 ~ Complete ~54:METHOD CAPABLE OF REALIZING UNDERWATER DINING ~71:ShanDong JiaoTong University, No. 5, Jiaoxiao Road, Tianqiao District, Jinan City, Shandong Province, 250023, People's Republic of China ~72: LIN, Haihua;SUN, Chengmeng;ZHANG, Yang~

2021/10847 ~ Complete ~54:METHOD FOR FORMING ROADWAY ANTI-IMPACT SOFT STRUCTURE LAYER BY COAL-ROCK PULSE CONTROLLABLE STRONG WAVE FRACTURING COAL-ROCK MASS ~71:China University of Mining and Technology, No 1, Daxue Road, Xuzhou, Jiangsu , 221116, People's Republic of China ~72: GAO, Mingshi;HE, Yongliang;XU, Dong;YU, Xin~

2021/10857 ~ Complete ~54:METHOD FOR ONLINE MODELING OF HEAT PUMP SYSTEM BASED ON DATA AND DEVICE THEREOF ~71:SHANDONG JIANZHU UNIVERSITY, No.1000, Fengming Road, Lingang Development Zone, Licheng District, Jinan, People's Republic of China;SHANDONG PHOEBUS ENERGY SAVING TECHNOLOGY CO., LTD, No. 88, Huizhan West Road, Jinan Area, Pilot Free Trade Zone of China, People's Republic of China ~72: DING, Xudong;DUAN, Peiyong;LI, Hui;NING, Chenguang;WANG, Xinli;YANG, Dongrun;YIN, Chunjie~ 33:CN ~31:202111405800.8 ~32:24/11/2021

2021/10869 ~ Complete ~54:NETWORK NODE, METHOD FOR A NETWORK NODE, USER EQUIPMENT AND METHOD FOR USER EQUIPMENT FOR NETWORK SLICE USAGE CONTROL ~71:NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, TOKYO 1088001, JAPAN, Japan ~72: IANEV, Iskren;TAMURA, Toshiyuki~ 33:EP ~31:19185344.9 ~32:09/07/2019

2021/10913 ~ Complete ~54:HAWTHORN FRUIT PIT AND PULP SEPARATION DEVICE ~71:JINAN QINGZHAO BIO- TECHNIQUE CO.,LTD, NO.12566, JIQING ROAD, MINGSHUI STREET, ZHANGQIU DISTRICT, JINAN CITY, People's Republic of China;SHANDONG BAIMAI SPRING WINE CO.,LTD, NO.12566, JIQING ROAD, MINGSHUI STREET, ZHANGQIU DISTRICT, JINAN CITY, People's Republic of China;SHANDONG POLYTECHNIC, NO.62 JIEFANG ROAD, LIXIA DISTRICT, JINAN CITY, People's Republic of China ~72: GAO, Shuo;LI, Shuntao;WANG, Huihui;YU, Leijuan;ZHANG, Daolei~

2021/10831 ~ Complete ~54:COMPOSITE GEL FOR PLANT CAPSULES AND PREPARATION METHOD THEREOF ~71:Beijing Huanya Zhongke Engineering Equipment Co., Ltd, No. 1, Tianxing Street, Fangshan

District, Beijing , 102499, People's Republic of China ~72: SONG, Jianjun;WANG, Junmei;ZHAO, Chunlin;ZHOU, Yukun~

2021/10839 ~ Complete ~54:DEVICE FOR CUTTING DRIP TAPES ON COTTON SOWER ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot, Inner Mongolia Autonomous Region , 010031, People's Republic of China ~72: CHEN, Liyu;CHENG, Yuchen;LU, Zhanyuan;MENG, Wenhui;SU, He;WANG, Dingyuan;WANG, Jianguo;XIAN, Feng;YANG, Jianqiang;ZHANG, Jianzhong;ZHANG, Xiangqian;ZHAO, Xiaoqing~

2021/10852 ~ Complete ~54:METHOD FOR DETECTING ENTEROCOCCUS FAECALIS IN MEDICAL FOOD BY DROPLET DIGITAL PCR ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, People's Republic of China ~72: Cheng Chen;Hu Hangwei;Lei Zhiwen;Liu Ke;Liu Lingxiao;Liu Yunguo;Ma Yun;Zhang Jie~ 33:CN ~31:202110506088.4 ~32:10/05/2021

2021/10866 ~ Complete ~54:INTRANASAL DANTROLENE ADMINISTRATION FOR TREATMENT OF ALZHEIMER'S DISEASE ~71:THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, 3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania, 19104, United States of America ~72: FAZEN ECKENHOLL, Maryellen;LIANG, Ge;MENG, Qing Cheng;WEI, Huafeng~ 33:US ~31:62/868,820 ~32:28/06/2019

2021/10876 ~ Complete ~54:POLYMER FOAM ARTICLES AND METHODS OF MAKING POLYMER FOAMS ~71:Moxietec, LLC, 770 Liberty Street Ext, GROVE CITY 16127, PA, USA, United States of America ~72: BIGGS, Travis J.;DUBIN, Olivia K.;MINNICH, Jason;RHOADES, Alicyn M.~ 33:US ~31:62/867,516 ~32:27/06/2019

2021/10888 ~ Complete ~54:UTILIZATION OF SULFATE IN THE FINING OF SUBMERGED COMBUSTION MELTED GLASS ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: UDAYA VEMPATI;WILLIAM PINC~ 33:US ~31:16/590,079 ~32:01/10/2019

2021/10820 ~ Provisional ~54:MOBILE RECYCLING ARRANGEMENT ~71:MATTHEWS, Andrew Abel, 358 James West Avenue, Eersterust, PRETORIA 0022, Gauteng, SOUTH AFRICA, South Africa;MATTHEWS, David, 266 Venue Street, Toekomsrus, RANDFONTEIN 1759, Gauteng, SOUTH AFRICA, South Africa ~72: MATTHEWS, David~

2021/10825 ~ Complete ~54:SYSTEM AND METHOD OF FLOOD MANAGEMENT ~71:GRAPHIC ERA (DEEMED TO BE UNIVERSITY), 566/6, Bell Road, Clement Town, Dehradun, 248002, Uttarakhand, India ~72: HIMANSHU RAI GOYAL;KAMAL KUMAR GHANSHALA;SACHIN SHARMA~ 33:IN ~31:202111007972 ~32:25/02/2021

2021/10886 ~ Complete ~54:CANNABIS PLANTS WITH IMPROVED YIELD ~71:BETTERSEEDS LTD, 54 Birkat Am St., POB 46, 4390500, Givat Chen, Israel ~72: IDO MARGALIT;SHIRA COREM;TAL SHERMAN~ 33:US ~31:62/854,036 ~32:29/05/2019

2021/10898 ~ Complete ~54:METHYLOBACTERIUM SP. VOV. STRAIN, COMPOSITIONS COMPRISING IT, AND ITS USE AS BIO-STIMULANT AND ENDOPHYTE NITROGEN-FIXING BACTERIUM ~71:SYMBORG, SL, Campus de Espinardo 7, Edificio CEEIM, 30100, Murcia, Spain ~72: ANA VILA MART#205;NEZ;ANTONIO JOS#201; BERNAB#201; GARC#205;A;FELIX FERN#193;NDEZ MART#205;N;FRANCISCO JOS#201; CARMONA #193;LVAREZ;JES#218;S JU#193;REZ MOLINA;ROC#205;O TORRES VERA~ 33:EP ~31:19382457.0 ~32:03/06/2019

2021/10903 ~ Complete ~54:GLASS MANUFACTURING PROCESS ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43351, United States of America ~72: CASEY

TOWNSEND;EARNEST R IDDINGS;NICHOLAS A SCHOENROCK;SUTAPA BHADURI;UDAYA VEMPATI;YA-CHENG LIN;ZHONGMING WANG~ 33:US ~31:16/590,077 ~32:01/10/2019

2021/10871 ~ Complete ~54:PREPARATIONS CONTAINING ANTI-LAG-3 ANTIBODY, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:Innovent Biologics (Suzhou) Co., Ltd., 168 Dongping Street, Suzhou Industrial Park, SUZHOU 215123, JIANGSU, CHINA (P.R.C.), People's Republic of China ~72: MA, Yidong;WANG, Yinjue;YAO, Tianyi;ZHOU, Kaisong~ 33:CN ~31:201910547168.7 ~32:24/06/2019

2021/10881 ~ Complete ~54:SYSTEM FOR NON-INVASIVE MEASUREMENT OF AN ANALYTE IN A VEHICLE DRIVER ~71:Automotive Coalition for Traffic Safety, Inc., 21620 Ridgetop Circle #170, STERLING 20166, VA, USA, United States of America ~72: KOETH, Johannes;KOSLOWSKI, Nicolas~ 33:US ~31:62/860,413 ~32:12/06/2019

2021/10864 ~ Complete ~54:BIOTIN-STREPTAVIDIN CLEAVAGE COMPOSITION AND LIBRARY FRAGMENT CLEAVAGE ~71:ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: CAO, Dan;FISHER, Jeffrey S.;KAPER, Fiona;KHURANA, Tarun Kumar;LIU, Tong;OKUMUS, Burak;QUIJANO, Victor J.;WANG, Clifford Lee;WU, Yir-Shyuan;XIAO, Shi Min;XU, Hongxia~ 33:US ~31:62/969,440 ~32:03/02/2020

2021/10878 ~ Complete ~54:HASH FUNCTION ATTACKS ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: DOIRON, Brock;WAHAB, Jad;WRIGHT, Craig;ZHANG, Wei~ 33:GB ~31:1907396.4 ~32:24/05/2019

2021/10890 ~ Complete ~54:SELECTIVE CHEMICAL FINING OF SMALL BUBBLES IN GLASS ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: ROGER P SMITH;SCOTT WEIL;ZHONGMING WANG~ 33:US ~31:16/590,072 ~32:01/10/2019

2021/10896 ~ Complete ~54:CARBOCYANINE COMPOUNDS FOR TARGETING MITOCHONDRIA AND ERADICATING CANCER STEM CELLS ~71:LUNELLA BIOTECH, INC., 145 Richmond Road, Ottawa, Ontario, K1Z 1A1, Canada ~72: CAMILLO SARGIACOMO;FEDERICA SOTGIA;MICHAEL P LISANTI~ 33:US ~31:62/866,875 ~32:26/06/2019

2021/10826 ~ Complete ~54:ADJUSTMENT SCREENING TYPE UNDERGROUND COAL GANGUE SEPARATION DEVICE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Road, Huainan, Anhui, 232001, People's Republic of China ~72: GUO, Yongcun;LI, Deyong;MA, Xin;WANG, Shuang;WANG, Xi~

2021/10829 ~ Complete ~54:COAL GANGUE SEPARATION DEVICE BASED ON DUAL ENERGY X-RAY ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Road, Huainan, Anhui, 232001, People's Republic of China ~72: GUO, Yongcun;HU, Kun;LI, Deyong;WANG, Shuang;ZHOU, Junpeng~

2021/10838 ~ Complete ~54:COMPOUND BACTERIA FERMENTED PROTEIN FEED AND PREPARATION METHOD THEREOF ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: Cao Yindi~

2021/10840 ~ Complete ~54:VARIABLE KERNEL FUNCTION TARGET TRACKING METHOD BASED ON BILATERAL FILTERING ~71:Shenyang University of Technology, No.111, Shenliao West Road, Economic and Technological Development Zone, Shenyang, Liaoning Province, 110870, People's Republic of China ~72: JIA, Danping;LI, Chunhua;WANG, Dali;ZHANG, Lifeng~

2021/10848 ~ Complete ~54:INCLINED PIPE TYPE UNDERWATER PRE-DEHYDRATION AND DEGASIFICATION SEPARATION DEVICE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777,

Jialingjiang Road, Economic and Technological Development Zone, Qingdao, Shandong , 266525, People's Republic of China ~72: LIU, Chunhua;LIU, Xinfu;SHANG, Chao;WU, Jianjun;YIN, Xiaoli;ZHENG, Xiaopeng~

2021/10855 ~ Complete ~54:AUTOMATIC PNEUMATIC SLUICE STEEL WIRE ROPE CLIMBING APPARATUS FOR NARROW SPACE ~71:ZHEJIANG UNIVERSITY OF WATER RESOURCES AND ELECTRIC POWER, No 508,Xuefu Street,Economic and Technological Development Zone, Hangzhou city, Zhejiang, 310018, People's Republic of China ~72: GANG ZHANG;GAO'AN ZHENG;GUISHENG FANG;YUANQUN CHENG;YUXUAN ZHOU;ZHIWEN XU~ 33:CN ~31:CN2021101749883 ~32:09/02/2021

2021/10867 ~ Complete ~54:APPLICATION OF RICE QUIESCIN SULFHYDRYL OXIDASE IN IMPROVING FLOUR PROCESSING QUALITY ~71:Sericultural & Agri-Food Research Institute Guangdong Academy of Agricultural Sciences, No. 133, Yiheng Road, Dongguan Zhuang Tianhe District, Guangzhou City, Guangdong Province, 510610, People's Republic of China ~72: Deng Yuanyuan;Li Ping;Liu Guang;Tang Xiaojun;Wang Jiajia;Wei Zhencheng;Zhang Mingwei;Zhang Yan~ 33:CN ~31:201911030928.3 ~32:28/10/2019

2021/10879 ~ Complete ~54:KNOWLEDGE PROOF ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: DOIRON, Brock;WAHAB, Jad;WRIGHT, Craig;ZHANG, Wei~ 33:GB ~31:1907394.9 ~32:24/05/2019

2021/10893 ~ Complete ~54:CONTROL SYSTEM FOR VEHICLE ~71:IJTT CO., LTD., 1-7 Kinkocho, Kanagawa-ku, Yokohama-shi, Kanagawa, 2210056, Japan ~72: ATSUSHI KIMURA;MASAYUKI KOBAYASHI;YOSHIHISA HAMANAKA~ 33:JP ~31:2019-102414 ~32:31/05/2019

2021/10865 ~ Complete ~54:RECOMBINANT FACTOR VIII-FC FOR TREATING HEMOPHILIA AND LOW BONE MINERAL DENSITY ~71:BIOVERATIV THERAPEUTICS INC., 225 Second Avenue, Waltham, Massachusetts, United States of America ~72: DUAN, Susu;KIS-TOTH, Katalin;RAJANI, Gaurav Manohar;SALAS, Joe~ 33:US ~31:62/863,831 ~32:19/06/2019;33:US ~31:62/968,785 ~32:31/01/2020

2021/10824 ~ Complete ~54:A NEW METHOD FOR CULTIVATING CHINESE TOON SPROUTS ~71:GUANGXI ZHUANG AUTONOMOUS REGION FORESTRY RESEARCH INSTITUTE, No. 23, Yongwu Road, Nanning City, People's Republic of China;GUANGXI ZHUANG AUTONOMOUS REGION STATE-OWNED WEIDULINCHANG, No. 2, Xianghe Road, Xingbin District, Laibin City, People's Republic of China ~72: CHEN, Yunfeng;CHEN, Zhenke;JIANG, Hua;LI, Fushen;LI, Yuanqiang;LIU, Decheng;PENG, Yuhua;RONG, Changyou;SHEN, Wenhui;TANG, Chunhong;WANG, Jinsong;WEI, Fuqing;YANG, Jiaqiang;ZHAN, Nianying~

2021/10854 ~ Complete ~54:TMPRSS6 IRNA COMPOSITIONS AND METHODS OF USE THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 300 Third Street 3rd Floor, Cambridge, Massachusetts, 02142, United States of America ~72: BRIAN BETTENCOURT;JAMES BUTLER;KALLANTHOTTATHIL G RAJEEV;KLAUS CHARISSE;MARTIN MAIER~ 33:US ~31:61/826,178 ~32:22/05/2013;33:US ~31:61/912,988 ~32:06/12/2013

2021/10856 ~ Complete ~54:SURGICAL DEVICE ~71:LAGIS ENTERPRISE CO., LTD., No. 29, Gong 1st Rd., Dajia Dist., Taichung City, 437, Taiwan, Province of China ~72: ZHI-YOU CHEN~ 33:TW ~31:110100449 ~32:06/01/2021

2021/10889 ~ Complete ~54:STILLING VESSEL FOR SUBMERGED COMBUSTION MELTER ~71:OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: DAVID SOLEY;SHANE T RASHLEY~ 33:US ~31:16/590,068 ~32:01/10/2019

2021/10868 ~ Complete ~54:SYSTEMS AND METHODS FOR A COMPRESSIBLE POUCH ~71:KURI, Isabel, 121 N Post Oak Lane #1902, Houston, Texas, 77024, United States of America;POKETINS LLC, 121 N Post Oak

Lane #1902, Houston, Texas, 77024, United States of America ~72: KURI, Isabel~ 33:US ~31:16/503,519
~32:04/07/2019;33:US ~31:16/822,245 ~32:18/03/2020

2021/10887 ~ Complete ~54:METHOD OF DISEASE CONTROL ~71:ANIMAL ETHICS PTY LTD, 363 Steels
Creek Road Yarra Glen, Victoria 3775, Australia ~72: ALLAN GIFFARD;CHARLES ROBERT
OLSSON;MEREDITH SHEIL;PETER WINDSOR~ 33:AU ~31:2019901824 ~32:28/05/2019;33:AU
~31:2019901837 ~32:28/05/2019

2021/10907 ~ Complete ~54:SOLAR TOWER AND TROUGH COMBINED POWER GENERATION
~71:GUANGDONG OCEAN UNIVERSITY, No. 1, Haida Road, Mazhang District Zhanjiang, People's Republic of
China ~72: ZHANG, Cheng~ 33:CN ~31:202010146473.8 ~32:05/03/2020

2021/10910 ~ Provisional ~54:ELECTRONIC STREET TRADING BY-LAWS MASTER APPLICATION
~71:TECHTONIC INNOVATIONS PTY LTD, 302 Muckleneuk Lanterns, 180 Bourke street,, South Africa ~72:
ITUMELENG MOGATUSI~

2021/10912 ~ Complete ~54:CHINESE SPIRIT VINASSE DRYING DEVICE ~71:JINAN QINGZHAO BIO-
TECHNIQUE CO.,LTD, NO.12566, JIQING ROAD, MINGSHUI STREET, ZHANGQIU DISTRICT, JINAN CITY,
People's Republic of China;SHANDONG BAIMAI SPRING WINE CO.,LTD, NO.12566, JIQING ROAD,
MINGSHUI STREET, ZHANGQIU DISTRICT, JINAN CITY,, People's Republic of China ~72: GAO, Shuo;LI,
Qingteng;LI, Shuntao;WANG, Huihui~

2021/10818 ~ Provisional ~54:ARTS AND ENTERTAINMENT DIRECTORY ~71:Vuyo Kumalo, 97 Tyala Street,
South Africa ~72: Vuyo Kumalo~

2021/10823 ~ Complete ~54:HAWTHORN JUICE RICH IN DIETARY FIBER, HAWTHORN JUICE BUBBLE
WATER AND PREPARATION METHOD ~71:JINAN QINGZHAO BIO- TECHNIQUE CO.,LTD, NO.12566,
JIQING ROAD, MINGSHUI STREET, ZHANGQIU DISTRICT, JINAN CITY, People's Republic of
China;SHANDONG BAIMAI SPRING WINE CO.,LTD, NO.12566, JIQING ROAD, MINGSHUI STREET,
ZHANGQIU DISTRICT, JINAN CITY, People's Republic of China;SHANDONG POLYTECHNIC, NO.62 JIEFANG
ROAD, LIXIA DISTRICT, JINAN CITY, People's Republic of China ~72: CHE, Wenyan;LI, Qingteng;LV,
Yinghui;WANG, Huihui;YU, Leijuan~

2021/10828 ~ Complete ~54:LIGHT-GUIDE METERING DEVICE DETECTION APPARATUS AND METHOD
~71:SHENZHEN KILOTONE SCIENCE AND TECHNOLOGY CO., LTD., East of 6th Floor, Building B,
Xinmusheng Low Carbon Industrial Park, No. 6 Xinmu Avenue, Pinghu Street, Longgang District, Shenzhen,
Guangdong , 518100, People's Republic of China ~72: HU, Ziqian;LAN, Chengmin;WANG, Yuanying;XIAO,
Wenliang~

2021/10835 ~ Complete ~54:TEMPERATURE SENSITIVE INHIBITOR OF HIGH STRENGTH COMPOSITE
PHASE CHANGE SHELL AND PREPARATION METHOD THEREOF ~71:Taiyuan University of Technology,
No.79, Yingzexi Street, Taiyuan City, Shanxi Province, 030002, People's Republic of China ~72: Chen
Yankun;Cui Chuanbo;Deng Cunbao;Jia Beibei;Song Zhiqiang;Zhang Hao~

2021/10841 ~ Complete ~54:MINE DIGITAL TWIN MODEL AND ITS CONSTRUCTION METHOD ~71:Sinosteel
MAANSHAN Mine Research Institute Co., Ltd, 666 Xitang Road, economic development zone, Maanshan
City, Anhui Province, 243071, People's Republic of China ~72: Dai Bibo;Luo Minghua;Nie Wen;Wang Yunmin;Wu
Xiaogang;Zeng Xuemin;Zhou Yuxin;Zhu Junxing~

2021/10846 ~ Complete ~54:BEAUVERIA BASSIANA STRAIN HTN01 AND ITS APPLICATION ~71:Fumin
county import and export Co. LTD, Yongding sub-district office Liyang building 17 / F, Fumin County, Kunming

City, Yunnan Province, People's Republic of China; Jacobs Douwe Egberts, Oosterdoksstraat 80, 1011 DK, Amsterdam, The Netherlands, Netherlands; Yunnan Agricultural University, No.452 Fengyuan Road, Panlong District, Kunming City, Yunnan Province, People's Republic of China ~72: Do Ngoc Sy; Gao Xi; He Mingchuan; Jia Ben; Lan Mingxian; Li Hongmei; Liu Qianjun; Qin Xiaoping; Shi Chunlan; Tang Ping; Wu Guoxing; Yi Jing~

2021/10850 ~ Complete ~54: LIGHT ENERGY RECEIVING METER ~71: SHENZHEN KILOTONE SCIENCE AND TECHNOLOGY CO., LTD., East of 6th Floor, Building B, Xinmusheng Low Carbon Industrial Park, No. 6 Xinmu Avenue, Pinghu Street, Longgang District, Shenzhen, Guangdong, 518100, People's Republic of China ~72: CHEN, Zelong; HU, Ziqian; YANG, Mingdong; ZENG, Yan~

2021/10859 ~ Complete ~54: ROTOR POSITION SENSOR OF SIX-HALL THREE-OUTPUT MOTOR AND INSTALLATION METHOD THEREOF ~71: SHANDONG JIAOTONG UNIVERSITY, No.5 Jiaoxiao Road, Tianqiao District, Jinan, People's Republic of China ~72: HOU, Enguang; LI, Xiaowei; LIU, Guangmin; QIAO, Xin; WANG, Xiaohong; WANG, Xuejuan; WANG, Zhixue; XIE, Jun; XIE, Zhaoyan; ZHANG, Yun~

2021/10861 ~ Complete ~54: SYSTEM OF INTELLIGENT EXPERT MANAGEMENT FOR STORAGE BATTERIES IN ELECTRIC LOCOMOTIVE AND METHOD THEREOF ~71: SHANDONG JIAOTONG UNIVERSITY, No.5 Jiaoxiao Road, Tianqiao District, Jinan, People's Republic of China ~72: HOU, Enguang; LI, Xiaowei; LIU, Guangmin; WANG, Zhixue; XIE, Zhaoyan; ZHANG, Yun~

2021/10874 ~ Complete ~54: SEPARATOR APPARATUS AND FEED ARRANGEMENT FOR INCREASED CAPACITY ~71: FLSmidth A/S, Vigerslev Alle 77, VALBY 2500, DENMARK, Denmark ~72: GARDINER, Michael; KLOS, Andrew; ORUPOLD, Taavi; SADLER, Byron; STARR, David~ 33:US ~31:62/868,215 ~32:28/06/2019

2021/10877 ~ Complete ~54: VIDEO ENCODER, VIDEO DECODER AND CORRESPONDING METHOD ~71: Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Xu; YANG, Haitao; ZHANG, Lian~ 33:CN ~31:201910559986.9 ~32:24/06/2019; 33:CN ~31:201910584158.0 ~32:29/06/2019

2021/10883 ~ Complete ~54: MEMBRANE WITH MAGNETIC PROPERTIES FOR VERIFICATION OF MEMBRANE STRUCTURAL INTEGRITY ~71: SB Technologies Inc., 400 rue Marquette, SHERBROOKE J1H 1M4, QUEBEC, CANADA, Canada; Solmax International Inc., 2801 rue Marie-Victorin, VARENNES J3X 0J4, QUEBEC, CANADA, Canada ~72: GUILLETTE, Vincent Philippe; ROY-GUAY, David~ 33:US ~31:62/868,411 ~32:28/06/2019

2021/10892 ~ Complete ~54: GLASS FINING USING AN OBJECTIVE AND MOLTEN METAL ~71: OWENS-BROCKWAY GLASS CONTAINER INC., One Michael Owens Way, Perrysburg, Ohio, 43551, United States of America ~72: CASEY TOWNSEND; LAWRENCE GOCHBERG~ 33:US ~31:16/668,136 ~32:30/10/2019

2021/10830 ~ Complete ~54: KITCHEN WASTE DEGRADATION AGENT AND PREPARATION METHOD THEREOF ~71: Zhejiang University of Science and Technology, 318 Liuhe Road, Xihu District, Hangzhou, Zhejiang Province, 310023, People's Republic of China ~72: CAI, Chenggang; CAI, Haiying; CHANG, Guoli; YAO, Feng; ZHAO, Miaomiao; ZHU, Ruiyu~

2021/10900 ~ Complete ~54: PAIN RELIEVING METHOD ~71: ANIMAL ETHICS PTY LTD, 363 Steels Creek Road Yarra Glen, Victoria 3775, Australia ~72: MEREDITH SHEIL~ 33:AU ~31:2019902023 ~32:11/06/2019

- APPLIED ON 2021/12/24 -

2021/10934 ~ Complete ~54:METHOD FOR DETERMINING MINOR ELEMENTS AND RARE EARTH ELEMENTS IN MARINE SEDIMENTS AND SOILS ~71:First Institute of Oceanography, Ministry of Natural Resources, No.6 Xianxialing Road, Laoshan District, Qingdao City, Shandong, 266061, People's Republic of China ~72: GAO, Jingjing;LIU, Jihua;WANG, Hongmin;WANG, Xiaojing~

2021/10914 ~ Complete ~54:AUTOMATIC SEWAGE TREATMENT DEVICE ~71:TANGSHAN UNIVERSITY, No. 9, Daxue West Road, Lubei District, Tangshan City, People's Republic of China ~72: LIAN, Wenli~

2021/10917 ~ Complete ~54:SUPPORT ~71:M D Manufacturers (Pty) Ltd, 7 Lee Park, Attie Pelzer Street, Elardus Park, PRETORIA 0181, SOUTH AFRICA, South Africa ~72: DU PLOOY, Johannes Hendrikus~ 33:ZA ~31:2020/07770 ~32:14/12/2020

2021/10927 ~ Complete ~54:BIOMASS WATER-MAKING MACHINE BASED ON LITHIUM BROMIDE HEAT PUMP AND WATER-MAKING METHOD THEREOF ~71:Xijing University, No.1, Xijing Road, Chang'an District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: CHEN, Kai;LIU, Xinfei;QIN, Yao;ZHANG, Chenbo;ZHANG, Qian~

2021/10929 ~ Complete ~54:PREDICTION METHOD FOR AN OCEAN WAVE HEIGHT ~71:Shanghai Ocean University, No.999, Huchenghuan Rd, Pudong New Area, Shanghai , 201306, People's Republic of China ~72: CAO, Yang;LIU, Kaiyun;LU, Peng;NIAN, Shengquan;WANG, Zhenhua;ZHANG, Na;ZHENG, Zongsheng~

2021/10942 ~ Complete ~54:METHOD FOR PREPARING PASSIFLORA EDULIS SIMS. CHARACTERISTIC FERMENTED FRUIT WINE ~71:Guangxi Normal University for Nationalities, No.23 Fozhi Road, Jiangzhou District, Chongzuo City, Guangxi, 532200, People's Republic of China ~72: Duan Wenbin;He Shuling;Kang Xiaohua;Liu Shaopeng;Ma Lingfa;Shi Wanyan;Sun Yebin;Yan Yinghui;Yang Xianglan;Yu Jianfang~

2021/10947 ~ Complete ~54:COMMERCIAL BLASTING SYSTEMS ~71:ORICA INTERNATIONAL PTE LTD, 78 Shenton Way, #06-15 Tower 2, Singapore ~72: GOODRIDGE, Richard John;NIELSEN, Kresten Lukas Coffey;RASMUSSEN, Kieren Peter;ZANK, Johann~ 33:SG ~31:10201905973Y ~32:27/06/2019

2021/10930 ~ Complete ~54:COOPERATIVE TREATMENT SYSTEM FOR POLLUTION AND CARBON REDUCTION OF PORT SEWAGE ~71:China Academy of Transportation Science, 240 Huixinli, Chaoyang District, Beijing, 100020, People's Republic of China ~72: CHEN, Yao;KONG, Yaping;LIU, Xuexin;TAO, Shuangcheng;WANG, Xinjun;YAO, Jialin~

2021/10932 ~ Complete ~54:MULTIFUNCTIONAL TRANSVERSE PASSAGE STRUCTURE FOR TUNNEL AND CONSTRUCTION METHOD THEREOF ~71:SICHUAN COMMUNICATION SURVEYING AND DESIGN INSTITUTE CO., LTD., No. 35, Taisheng North Road, Qingyang District, Chengdu City, Sichuan Province, 610017, People's Republic of China;SICHUAN TRANSPORTATION CONSTRUCTION GROUP CO., LTD., Area B, Area A, 8th Floor, Sichuan Express Building, No. 90, West Section, Second Ring Road, Wuhou District, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: FAN, Jinhai;GAN, Lisong;HUANG, Mingrong;LUO, Yi;WANG, You;XU, Baiyang;YANG, Guangxiao;YIN, Biao;YIN, Lu;YU, Qiang;YU, Xuanlin;ZHANG, Ning;ZHANG, Sheng~ 33:CN ~31:202111254789.X ~32:27/10/2021

2021/10937 ~ Complete ~54:REVERSE-GRADIENT DRAINAGE SYSTEM OUTSIDE ENTRANCES OF SINGLE-WAY GRADIENT SINGLE AND TWIN TUNNELS ~71:SICHUAN COMMUNICATION SURVEYING AND DESIGN INSTITUTE CO., LTD., No. 35, Taisheng North Road, Qingyang District, Chengdu City, Sichuan Province, 610017, People's Republic of China;SICHUAN TRANSPORTATION CONSTRUCTION GROUP CO., LTD., Area B, Area A, 8th Floor, Sichuan Express Building, No. 90, West Section, Second Ring Road, Wuhou District, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: LI, Huizhong;LI, Weijie;RAN,

Mi;WANG, You;XU, Jin;YANG, Guangxiao;YANG, Ke;YIN, Biao;ZENG, Dong;ZHANG, Ning;ZHANG, Sheng;ZHAO, Yulong;ZHOU, Cheng;ZHOU, Ke~ 33:CN ~31:202111283337.4 ~32:01/11/2021

2021/10943 ~ Complete ~54:PREPARATION METHOD OF NANOPOROUS COPPER CATALYST FOR ACETYLENE HYDROCHLORINATION AND USE THEREOF ~71:Zhejiang University of Technology, No.18, Chaowang Road, Xiacheng District, Hangzhou, Zhejiang , 310014, People's Republic of China ~72: FENG, Tao;LI, Xiaonian;LI, Yongkun;TANG, Qi;WANG, Saisai;WANG, Tao;WANG, Ting;ZHAO, Jia;ZHU, Wenrui~ 33:CN ~31:202110379237.5 ~32:08/04/2021

2021/10915 ~ Complete ~54:MEDICAL THERMOSTATIC VACUUM SHAPING PAD ~71:JIANGSU CANCER HOSPITAL, NO.42, BAIZITING, NANJING CITY, People's Republic of China ~72: FENG, Yong;QIAO, Wei;SONG, Miaomiao;ZHANG, Yufeng~

2021/10924 ~ Complete ~54:INVERTED GRAFTING TECHNOLOGY FOR CHINESE CHESTNUT TREES ~71:Hebei Normal University of Science And Technology, Hebei Normal University of Science And Technology Changli County, Hebei, 066600, People's Republic of China ~72: CAO, Fei;GUO, Chunlei;JI, Liying;LIU, Jing;QI, Yongshun;WANG, Chao;WANG, Dongsheng;WANG, Tongkun;WANG, Xuan;ZHANG, Chenguang;ZHANG, Jingzheng~

2021/10939 ~ Complete ~54:AN OPTIMUM WEAKENING COEFFICIENT DETERMINATION METHOD FOR THE STRENGTH PARAMETER OF RESERVOIR BANK SLOPES ROCK-SOIL ~71:Qingdao University of Technology, No. 777, Jialingjiang East Road, Huangdao Dist., Qingdao City, Shandong, People's Republic of China ~72: CHU, Xuesong;LI, Chunli;LI, Dongxian;LI, Liang;MENG, Kaiqi;XU, Liang~

2021/10946 ~ Complete ~54:METHOD AND SYSTEM FOR TESTING RESPONSE DELAY OF HIGH-SPEED CAMERA ~71:North University of China, North University of China, Taiyuan City, Shanxi Province, 030051, People's Republic of China ~72: CHU, Wenbo;CUI, Min;MA, Yayun;ZHANG, Bin;ZHAO, Dong~

2021/10926 ~ Complete ~54:COMPREHENSIVE EVALUATION METHOD OF ANTICLINE FRACTURE-PORE BRINE DEPOSIT ~71:Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, 12 Kunlun South Road, Golmud City, Qinghai Province, 816099, People's Republic of China ~72: Bu Haiyi;Chen Jinniu;Dong Qiwei;Han Guang;Hu Yan;Jing Zhicheng;Li Dongsheng;Liu Jiubo;Ma Hongying;Pan Tong;Qiu Xindi;Wang Qingchuan;Yang Yuzhen;Yuan Wenhui;Zhang Mingzhu;Zhang Xiaodong~

2021/10935 ~ Complete ~54:HEALTH-PRESERVING FRUIT WINE BASED ON FRUCTUS MORI AND PREPARATION METHOD THEREOF ~71:Guangxi Normal University for Nationalities, No.23 Fozhi Road, Jiangzhou District, Chongzuo City, Guangxi, 532200, People's Republic of China ~72: Duan Wenbin;He Shuling;Kang Xiaohua;Liu Shaopeng;Ma Lingfa;Mo Caimiao;Shi Wanyan;Sun Yebin;Wei Jiangyuan;Yan Yinghui;Yang Xianglan;Yu Jianfang~

2021/10944 ~ Complete ~54:GLUTEN-FREE HUNGER-RESISTANT COMPRESSED BISCUIT AND PREPARATION METHOD THEREOF ~71:GuangXi Academy Of Agricultural Sciences, No.174 East Daxue Road, Nanning, Guangxi , 530007, People's Republic of China ~72: HUANG, Zhanwen;LI, Mingjuan;WANG, Ying;WEI, Ping;YOU, Xiangrong;ZHANG, Yayuan;ZHOU, Kui~

2021/10950 ~ Complete ~54:METHOD FOR PRODUCING ALPHA-CALCIUM SULFATE HEMIHYDRATE WHISKERS BY USING FERMENTATION BROTH FOR PRODUCING LACTIC ACID WITH CALCIUM SALT METHOD AS RAW MATERIAL AND SYNCHRONOUSLY RECOVERING LACTIC ACID MONOMER ~71:TIANJIN UNIVERSITY OF SCIENCE & TECHNOLOGY, No.9 13th Street, Tianjin Economic And Technological Development District , Tianjin, 300457, People's Republic of China ~72: LU, Fuping;NIU, Dandan;SHEN, Chunli;TIAN, Kangming;WANG, Zhengxiang~ 33:CN ~31:202011613171.3 ~32:31/12/2020

2021/10955 ~ Provisional ~54:WINNEBAGO GREYWATER RECYCLING SYSTEM ~71:SELBY PETER PRINSLOO, 495 Steenberg Avenue, Pretoria, South Africa ~72: SELBY PETER PRINSLOO~

2021/10948 ~ Complete ~54:PHARMACEUTICAL DOSAGE FORMS AND METHODS FOR THEIR PRODUCTION ~71:DIHESYS DIGITAL HEALTH SYSTEMS GMBH, Stuttgarter Strasse 3, Germany ~72: DACHTLER, Markus;HUBER, Gerald~ 33:EP ~31:19177751.5 ~32:31/05/2019

2021/10919 ~ Complete ~54:METHOD FOR IDENTIFYING EFFECTIVE RESERVOIR OF SALT LAKE BRINE ~71:Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, 12 Kunlun South Road, Golmud City, Qinghai Province, 816099, People's Republic of China ~72: Cheng Kangnan;Fan Zenglin;Han Guang;Hu Yan;Li Dongsheng;Li Shuwei;Liu Dongliang;Liu Jiubo;Ma Zongde;Pan Tong;Qiu Xindi;Tao Yuande;Tong Yongjun;Wang Jiang;Yang Yuzhen;Zhang Xiaodong;Zhao Yuxiang~

2021/10925 ~ Complete ~54:IN-VITRO TRANSDERMAL TEST METHOD OF BORON-CONTAINING DERMATITIS DRUG ~71:SHANDONG INOMIC INSTITUTE OF PHARMACEUTICAL RESEARCH CO.,LTD, Life Science Center, No. 1 Factory, 10th Industrial Park, Lianhua Road, Jining High-tech Zone, Jining, Shandong, 272000, People's Republic of China ~72: DENG, Changjiang;FAN, Xiuhan;LI, Mingli;WANG, Yupeng;XIE, Yu;XING, Jinhua;YAN, Lijiao;ZHOU, Xiaomeng~ 33:CN ~31:202110794333.6 ~32:14/07/2021

2021/10933 ~ Complete ~54:A MONITORING AND ALARM SYSTEM FOR VESSEL ENGINE ROOM ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng New Dist., Zhoushan, Zhejiang, People's Republic of China ~72: GUO, Feijun;XU, Mingwei~

2021/10936 ~ Complete ~54:BLASTING TECHNOLOGY FOR HARD ROCK MULTI-ARCH TUNNELS ~71:SICHUAN COMMUNICATION SURVEYING AND DESIGN INSTITUTE CO., LTD., No. 35, Taisheng North Road, Qingyang District, Chengdu City, Sichuan Province, 610017, People's Republic of China;SICHUAN TRANSPORTATION CONSTRUCTION GROUP CO., LTD., Area B, Area A, 8th Floor, Sichuan Express Building, No. 90, West Section, Second Ring Road, Wuhou District, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: FAN, Jinhai;LEI, Liang;LI, Huizhong;LI, Liangyong;SUN, Chenxin;WANG, Jianhua;WANG, Jiping;YAN, Mingwang;YAN, Shun;ZHANG, Ning;ZHANG, Sheng;ZHAO, Yulong;ZHOU, Weijin~ 33:CN ~31:202111234540.2 ~32:22/10/2021

2021/10940 ~ Complete ~54:A CAMERA LENS PROTECTIVE DEVICE CAPABLE OF CLEARLY RECORDING FOR MACHINE VISION ~71:Shanghai Maritime University, 1550 Haigang Avenue, Pudong District, Shanghai, People's Republic of China ~72: Houjun Lu;Yangjia Zhou;Yuhui Ye~ 33:CN ~31:202123014607.X ~32:03/12/2021

2021/10911 ~ Provisional ~54:STEAM GENERATOR ~71:Willem Johannes van Straaten, 49 Trafalgar Place Street, Sandhurst, South Africa ~72: Willem Johannes van Straaten~

2021/10923 ~ Complete ~54:METHOD FOR IN-SITU REMEDIATION OF CR(VI)-CONTAINING SITE BY USING ORGANIC WASTE ~71:Qingdao University of Technology, Qingdao University of Technology, No.777 Jialingjiang Road, Huangdao District, Qingdao, 266525, People's Republic of China;Shandong Environmental Protection Industry Group Co., Ltd., 303A, Building 13, Zhongrun Century City, 13777 Jingshi Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: LI, Rongqiang;SUN, Yingjie;YANG, Xinfei;ZHANG, Dalei;ZHANG, Haixiu~

2021/10916 ~ Complete ~54:METHOD AND DEVICE FOR FIXING HORIZONTALLY PLACED MOTORIZED SPINDLE ~71:QILU UNIVERSITY OF TECHNOLOGY, No. 3501, Daxue Road, Changqing District, Jinan City, People's Republic of China ~72: CHENG, Yongjie;GAO, Xudong;HUANG, Pengcheng;WANG, Yanshuang;ZHANG, Pu~

2021/10931 ~ Complete ~54:SURROUNDING ROCK TUNNEL TUNNELING CONSTRUCTION METHOD ~71:SICHUAN COMMUNICATION SURVEYING AND DESIGN INSTITUTE CO., LTD., No. 35, Taisheng North Road, Qingyang District, Chengdu City, Sichuan Province, 610017, People's Republic of China;SICHUAN TRANSPORTATION CONSTRUCTION GROUP CO., LTD., Area B, Area A, 8th Floor, Sichuan Express Building, No. 90, West Section, Second Ring Road, Wuhou District, Chengdu City, Sichuan Province, 610000, People's Republic of China ~72: CHEN, Ning;CHEN, Yan;HUANG, Mingrong;LI, Huizhong;LI, Liangyong;LIU, Xiao;LUO, Yi;WANG, Jiping;WEI, Zaibin;YAO, Meng;ZENG, Dong;ZHANG, Sheng~ 33:CN ~31:202111271599.9 ~32:29/10/2021

2021/10951 ~ Provisional ~54:ROOF TOP TENT ~71:GOODWIN, REBECCA, 517 THE STABLES, BLAIR ATHOLL ESTATE, South Africa ~72: CORBETT, JEREMY;RIVETT-CARNAC, SEBASTIAN;ROBERTSON, ROBIN STUART~

2021/10920 ~ Complete ~54:PREPARATION METHOD OF HIGH-TEMPERATURE RESISTANT AND TOUGH ADHESIVE ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province, 330224, People's Republic of China ~72: Wang Ding~

2021/10922 ~ Complete ~54:VERTICAL TYPE BOX MOTION HORIZONTAL SEALING DEVICE WITH AUTOMATIC CONVEYING ~71:Qingdao Feifan Packaging Machinery Co., Ltd., 19-77 Ruijin Road, Licang District, Qingdao, Shandong, 266043, People's Republic of China ~72: CHE, Demei;HAO, Yingjie~ 33:CN ~31:202110652626.0 ~32:11/06/2021

2021/10938 ~ Complete ~54:METHOD FOR DETERMINING SULFUR DIOXIDE IN FOOD ~71:Chongqing Food and Drug Inspection and Testing Research Institute, No.1, Chunlan 2nd Road, Yubei District, Chongqing, 401121, People's Republic of China ~72: CAI, Lingli;FU, Qiyuan;HUANG, Siyu;XU, Jingbing;YANG, Xiaoshan~ 33:CN ~31:2021113945199 ~32:23/11/2021

2021/10945 ~ Complete ~54:METHOD AND DEVICE FOR MEASURING RADIAL INTERNAL CLEARANCE OF BEARING BASED ON LASER TRANSMISSION ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang East Road, Huangdao District, Qingdao, Shandong, 266520, People's Republic of China ~72: GUO, Feng;HAN, Suli;LIU, Yujian;SHAO, Jing~

2021/10949 ~ Complete ~54:METHODS OF TREATING VIRALLY ASSOCIATED CANCERS WITH HISTONE DEACETYLASE INHIBITORS ~71:VIRACTA SUBSIDIARY, INC., 2533 S. Coast Hwy 101, United States of America ~72: BROWN, Gail L;DENG, Xiaohu;MCRAE, Robert;SLACK, David;TRAUGER, Richard;WARREN, Marshelle Smith~ 33:US ~31:62/855,454 ~32:31/05/2019

2021/10918 ~ Complete ~54:A WATER HEATER ~71:FEUKEU, Etienne Alain, 307 Lampropoulos Heights, 232 Esselen Street, SUNNYSIDE, PRETORIA 0002, Gauteng, SOUTH AFRICA, South Africa ~72: FEUKEU, Etienne Alain~

2021/10928 ~ Complete ~54:METHOD OF EFFECTIVELY SEPARATING AND PURIFYING SEVEN FLAVONOID COMPOUNDS FROM OUGAN FLAVEDO ~71:ZHEJIANG UNIVERSITY, 866 Yuhangtang Road, Xihu District, Hangzhou, 310058, People's Republic of China ~72: LI, Xian;SUN, Chongde;WANG, Yue;ZHU, Changqing~

2021/10941 ~ Complete ~54:OIL POWDER EMBEDDED WITH CAROTENE AND ITS APPLICATION IN PREPARING INSTANT MILK TEA ~71:Changshu Institute of Technology, Changshu Institute of Technology No.99, Nansanhuan Road, Changshu City, Suzhou, Jiangsu Province, 215500, People's Republic of China ~72: Cui Zhumei;Guo Hua;Peng Yingyun;Zhang Xinru~

2021/10921 ~ Complete ~54:SPECIAL FERTILIZER FOR PLANTING ECONOMIC CROPS IN SALINE-ALKALI LAND, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES, No. 71, Beijing East Road, Xuanwu District, Nanjing City, Jiangsu Province, 210008, People's Republic of China ~72: CHEN, Qiang;WANG, Xiangping;XIE, Wenping;YANG, Jingsong;YAO, Rongjiang;ZHANG, Xin~

- APPLIED ON 2022/01/03 -

2022/00026 ~ Complete ~54:A SAMPLING METHOD AND DEVICE OF MULTI-PHASE FIDELITY WITH FOUR-WAY TUBE SUITABLE FOR ULTRA-LOW PERMEABILITY FORMATION ~71:Institute of Rock and Soil Mechanics,Chinese Academy of Sciences, No. 2, Xiaohongshan, shuiguohu street, Wuchang District, Wuhan City, Hubei Province, People's Republic of China ~72: Li Xiaochun;Wei Ning~

2022/00058 ~ Complete ~54:NOVEL CONSTRUCTION WASTEWATER TREATMENT DEVICE ~71:Zhejiang Tongji Vocational College of Science and Technology, No. 418, Gengwen Road, Higher Education Park, Xiaoshan District, Hangzhou City, Zhejiang Province, 311200, People's Republic of China ~72: Zhu Yubo~ 33:CN ~31:202111524077.5 ~32:14/12/2021

2022/00071 ~ Complete ~54:METHOD FOR IDENTIFYING AND ADJUSTING SCALY BUDS IN PRECISION DIRECTIONAL PLANTING OF ZINGER OFFICINALE ROSCOE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, Shandong, 266000, People's Republic of China ~72: CAO, Mingkai;DU, Xiangwen;LI, Weihua;WANG, Chao;WANG, Shucheng;WANG, Xin;YANG, Fazhan~

2022/00074 ~ Complete ~54:MOVABLE CHINESE YAM PLANTING BOX AND INDUSTRIALIZED METHOD FOR PLANTING CHINESE YAM ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong, 266000, People's Republic of China ~72: LI, Weihua;LIU, Guohua;MOU, Jiahong;WANG, Liyang;YANG, Fazhan;YANG, Yunpeng;ZHANG, Guodong;ZHANG, Na~

2022/00083 ~ Complete ~54:METHOD FOR PREPARING STANDARD SUBSTANCE FOR POTASSIUM, SODIUM, CALCIUM AND MAGNESIUM ELEMENTS IN GROUNDWATER ~71:Qinghai Geological and Mineral Testing Center, 9 Xincheng North Road, Chengzhong District, Xining, Qinghai Province, 810000, People's Republic of China ~72: AN, Guorong;LIU, Dao;SHI, Hua;TAO, Liping;ZHANG, Jianmin~

2022/00086 ~ Complete ~54:FULLY-AUTOMATIC INTELLIGENT KEYBOARD MANUFACTURING DEVICE ~71:Henan Polytechnic, No. 210 Ping'an Road, Zhengdong new District, Zhengzhou City, Henan Province, People's Republic of China ~72: Dong Junlei;Li Jiayan;Li Jiyun;Song Huan;Sun Jie;Wang Junping;Wang Xiaoyan;Yu Dongxian;Zhao Dapeng;Zheng Baolin~

2022/00098 ~ Complete ~54:SYSTEM FOR COMPREHENSIVELY TREATING KITCHEN CLEANING WASTEWATER AND KITCHEN GARBAGE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777 Jialing River East Road, Huangdao District, Qingdao, People's Republic of China ~72: LI, Hongwei;LYU, Mou~

2022/00104 ~ Complete ~54:DEVICE AND METHOD FOR SIMULATING FLUID-ROCK EXPERIMENT ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: QU, Xiyu;SONG, Tushun;TIAN, Miao;TIAN, Zhuang;WANG, Fusheng~

2022/00128 ~ Complete ~54:SEPARATION AND PURIFICATION METHOD OF MAIN FLAVONOIDS FROM MECONOPSIS INTEGRIFOLIA ~71:Northwest Institute of Plateau Biology, Chinese Academy of Sciences, NO.23, Xinning Road, Chengxi District, Xining, Qinghai, 810001, People's Republic of China;Pingdingshan

University, Pingdingshan University, South section, Weilai road, Xincheng District, Pingdingshan, Henan, 467000, People's Republic of China ~72: Cao Jingya; Wang Xiu; Yu Ruitao; Yu Ruixue~

2022/00148 ~ Complete ~54: A FORMULATION FOR SYNTHESIS OF SILYMARIN CONJUGATED GOLD NANOPARTICLE TO HEAL WOUND AND A METHOD THEREOF ~71: DAS, Suvadra, University of Engineering and Management, Kolkata, New town, Action Area -III Kolkata, India; HALDER, Asim, Department of Pharmaceutical Technology, JIS University, Agarpara, Kolkata, India; KUNDU, Sonia, Food Science and Technology, Maulana Abul Kalam Azad University of Technology, India; ROY, Partha, Department of Pharmaceutical Technology, School of Medical Sciences, Adamas University, Kolkata, India; UDDIN, Abul Bashar Mohammed Helal, Analytical and Bioanalytical Research Laboratory, Department of pharmaceutical Chemistry Kulliyah (Faculty) of Pharmacy, International Islamic University Malaysia (IIUM), Jalan Istana, Bandar Indera Mahkota, Pahang, Malaysia ~72: DAS, Suvadra; HALDER, Asim; KUNDU, Sonia; ROY, Partha; UDDIN, Abul Bashar Mohammed Helal~

2022/00158 ~ Complete ~54: CAMERA STABILIZER ~71: FOURIE, John Louis Carter, 1 Plantation Road, The Gardens, South Africa ~72: FOURIE, John Louis Carter~ 33:ZA ~31:2020/05945 ~32:25/09/2020

2022/00163 ~ Complete ~54: KITS FOR GENOTYPING ~71: ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, United Kingdom; ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: SLATTER, Andrew; VERMAAS, Eric Hans~ 33:US ~31:62/981,866 ~32:26/02/2020

2022/00171 ~ Complete ~54: DISPENSER FOR ROLLS OF ABSORBENT PAPER MATERIAL ~71: ESSITY HYGIENE AND HEALTH AKTIEBOLAG, 405 03, Sweden ~72: ELLIOTT, Adam T.; KASILAG, Christian; PAVKOV, Aaron; WEINGARTH, Brian~

2022/00181 ~ Complete ~54: 2-HYDROXYCYCLOALKANE-1-CARBAMOYL DERIVATIVES ~71: Idorsia Pharmaceuticals Ltd, Hegenheimerweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: BOLLI, Martin; GATFIELD, John; GRISOSTOMI, Corinna; REMEN, Lubos; SAGER, Christoph; ZUMBRUNN, Cornelia~ 33:IB ~31:2019/071921 ~32:15/08/2019

2022/00002 ~ Provisional ~54: SPILLAGE PREVENTING SYSTEM ~71: Mike Junior McKerson, 7 Quibeba, South Africa ~72: Mike Junior McKerson~

2022/00003 ~ Provisional ~54: SYNCFLIX ~71: Vuyo Yokwe, 10 Doringboom Street,, South Africa ~72: Vuyo Yokwe~ 33:ZA ~31:1 ~32:27/12/2021

2022/00008 ~ Provisional ~54: PAINT PAIL CONTAINER ~71: NEL, WILLEM, HENDRIK, PO BOX 48194, South Africa ~72: NEL, WILLEM, HENDRIK~

2022/00009 ~ Provisional ~54: CREATION CATALYST THE APP ~71: MIGHT NDAMANA NXUMALO, PLOT 254 MEYERTON ROAD, South Africa ~72: MIGHT NDAMANA NXUMALO~

2022/00015 ~ Complete ~54: ADJUSTABLE BUILDING GEOMATICS PLATFORM ~71: Hebei University of Architecture, No. 13 Chaoyang West Street, Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: DI, Suwei; DU, Wenjing; GUO, Quanhua; HAN, Yan; HOU, Yungui; HUANG, Xiaoyun; JIANG, Xiyang; KOU, Bin; LI, Bomin; LI, Yanfang; LIU, Chentao; REN, Zhiyu; WEI, Wenbo; WEN, Wanli; YANG, Junchao; ZHANG, Na~

2022/00025 ~ Complete ~54: HORIZONTAL WELL SELF-CENTERING MOVABLE PLUG TYPE CONE VALVE PUMP ~71: Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological

Development Zone, Qingdao City, Shandong , 266525, People's Republic of China ~72: CHEN, Xiaoning;LIU, Xinfu;WANG, Youqiang;WU, Jianjun;YU, Bangting;ZHOU, Chao~

2022/00033 ~ Complete ~54:INFILTRATING MOLD AND INFILTRATION PROCESS OF LONG-FIBER REINFORCED THERMOPLASTIC COMPOSITES ~71:Shandong Dingyuan Zhiye New Material Co., Ltd., B11 Floor, Taishan Science and Technology City, High-tech Zone, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: BAI, Shulin;GUO, Zhishan;YUAN, Canyao~

2022/00045 ~ Complete ~54:LOW-TEMPERATURE PRESERVATION DEVICE FOR OVARIAN TISSUE BY ALTERNATING ELECTRIC FIELD COOPERATING WITH SLOW FREEZING AND ITS METHOD ~71:Xijing University, No. 1 Xijing Road, Chang'an District, Xi'an City, Shaanxi Province, People's Republic of China ~72: Fan Xiaojiao;Li Jing;Ma Yahong~

2022/00050 ~ Complete ~54:HIERARCHICAL POROUS PHOSPHATE MATERIAL AND PREPARATION METHOD AND USE THEREOF ~71:Frontier Institute of Nano and Micro Science (Qingdao) Co., Ltd., Room 515, Building 1, No. 51-2, Wuyang Road, Shibei District, Qingdao City, Shandong Province, 266001, People's Republic of China;Qingdao University of Science and Technology, No.53 Zhengzhou Rd, Qingdao, Shandong, 266000, People's Republic of China ~72: DU, Yunmei;FENG, Shouhua;WANG, Lei;XIAO, Zhenyu;YANG, Shu;ZHANG, Jiabin~

2022/00055 ~ Complete ~54:MOVABLE ROTARY DEHUMIDIFIER ~71:Xijing University, No.1, Xijing Road, Chang'an District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: CHEN, Kai;LIU, Xinfei;QIN, Yao;ZHANG, Chenbo;ZHANG, Qian~ 33:CN ~31:202110426100.0 ~32:20/04/2021

2022/00059 ~ Complete ~54:BRAND-NEW DOUBLE WISHBONE SUSPENSION STRUCTURE WITH LARGE STROKE AND HIGH LOAD ~71:Beijing Institute of Technology, No. 5 Zhongguancun South Street, Haidian District, Beijing, People's Republic of China;Beijing Polytechnic, No.9, Liangshuihe Yijie, Beijing Economic and Technological Development Area, Beijing, People's Republic of China ~72: Shi Yuanfang;Zhang Haiyun~

2022/00063 ~ Complete ~54:ELECTRICITY GENERATING DEVICE ~71:GRAPHIC ERA (DEEMED TO BE UNIVERSITY), 566/6, Bell Road, Clement Town, Dehradun, 248002, Uttarakhand, India;GRAPHIC ERA HILL UNIVERSITY, DEHRADUN CAMPUS, 510, Society Area, Clement Town, Dehradun, 248002, Uttarakhand, India ~72: Deepak Singh Rana;Dr. Varij Panwar;Palak Aggarwal;Shiv Ashish Dhondiyal;Sumeshwar Singh~ 33:IN ~31:202111023402 ~32:26/05/2021

2022/00067 ~ Complete ~54:ELASTIC WAVE DETECTION DEVICE BASED ON DYNAMIC DEFORMATION MEASUREMENT ~71:Quanzhou Equipment Manufacturing Research Institute, 511 Jibei, Shangpu village, Luoyang Town, Taiwan investment zone, Quanzhou, Fujian Province, 362201, People's Republic of China ~72: Guo Siliang;Hu Mingqiang;Lu Song;Nie Wen;Wang Lei~

2022/00070 ~ Complete ~54:METHOD FOR LASER CLADDING NANO-CERAMIC COATING ON METAL SURFACE ASSISTED BY ULTRASONIC FIXED-POINT FOCUSING ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong, 266000, People's Republic of China ~72: JIANG, Fulin;WANG, Yuling;ZHANG, Jie~

2022/00110 ~ Complete ~54:OXYGEN SUPPLY DEVICE FOR FRESHWATER FISH CULTURE ~71:Bureau of Agriculture and Rural Affairs of Daiyue District, Taian City, No. 396, Taishan Street, Daiyue District, Taian City, Shandong Province, 271000, People's Republic of China;Bureau of Agriculture and Rural Affairs of Ningyang County, East end of Jinyang Street, Ningyang County, Taian City, Shandong Province, 271400, People's Republic of China ~72: Li Huiyun;Song Jin~

2022/00111 ~ Complete ~54:PORTABLE THREE-IN-ONE ORGANOPHOSPHATE PESTICIDE ASSAY DEVICE BASED ON MINERALIZED MICROBIAL SURFACE-DISPLAYED ENZYMES AND ITS APPLICATION ~71:Qingdao Agricultural University, 700 Great Wall Road, Chengyang District, Qingdao, Shandong Province, 266109, People's Republic of China ~72: Lei Han;Xuhui Bian~

2022/00121 ~ Complete ~54:ORGANOSILICON RUBBER WITH HIGH THERMAL CONDUCTIVITY PHASE CHANGE AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Shibei District, Qingdao City, Shandong Province, 266031, People's Republic of China ~72: GAO, Zekun;WANG, Xiujuan;WANG, Ziwei;ZHU, Xianpeng~

2022/00140 ~ Complete ~54:RAINFALL PREDICTION GUIDANCE SAMPLING METHOD AND SAMPLING DEVICE ~71:BEIJING NORMAL UNIVERSITY, NO.19, XINJIEKOU OUTER, People's Republic of China ~72: CHEN, LEI;YU, YU;ZHANG, XIAOYUE;ZHAO, JINBO;ZHOU, XUEHUI~

2022/00146 ~ Complete ~54:A ROBOTICS-HUMAN AND MACHINE COLLABORATION SYSTEM FOR HEALTHCARE UNITS ~71:AJITH RAJ, Rajendran, Malla Reddy College of Engineering and Technology, Hyderabad, 21-35, Annai Illam, Chemmanhattuvilai, Kuzhithurai Post, Kanyakumari District, India;BURGUBAI, Jyothi, Malla Reddy College of Engineering and Technology, Hyderabad, H.No.5-45G/1/1, Gangasthan, Dholapally, Medchal District, India;CHAITANYA LAHARI, Medavaram Lakshmi Ranga, Malla Reddy College of Engineering and Technology, Hyderabad, Flat No. 302, Prabhat Apartments, Street No.11, Mamidpally, Eastmarredpally, Secunderabad, India;DEEVI, Nagesh, Malla Reddy College of Engineering and Technology, Hyderabad, Flat No. 207, Sai Krishna Nilayam, Apuroopa Colony, Pragatinagar, Hyderabad, India;KRISHNA ANAND, Vasudevan Nair Girija Kumari, Malla Reddy College of Engineering and Technology, Hyderabad, H.No. 2/241, Thinavilai, Kulumai, Villukuri Post, Kanyakumari District, India;MAGDUM, Mohammed Mohaideen, Malla Reddy College of Engineering and Technology, Hyderabad, 93 i/10 Ashok Nagar, 3rd Street, Tuticorin, India;MANIKANDAN, Sucharitha, Malla Reddy College of Engineering and Technology, Hyderabad, 18-1/1, Chemponvilai Post, Thickenamcode Via, Kanyakumari District, India;POLAMRAJU, Hanumath Venkata Sesha Talpa Sai, Malla Reddy College of Engineering and Technology, Hyderabad, Plot No.954,955; F-1, Satyabhama's Gokulam, PragatiNagar, Kukatpally, Hyderabad, India ~72: AJITH RAJ, Rajendran;BURGUBAI, Jyothi;CHAITANYA LAHARI, Medavaram Lakshmi Ranga;DEEVI, Nagesh;KRISHNA ANAND, Vasudevan Nair Girija Kumari;MAGDUM, Mohammed Mohaideen;MANIKANDAN, Sucharitha;POLAMRAJU, Hanumath Venkata Sesha Talpa Sai~

2022/00189 ~ Complete ~54:SYNTHETIC NUCLEOTIDE SEQUENCES ENCODING INSECTICIDAL CRYSTAL PROTEIN AND USES THEREOF ~71:DCM Shriram Limited, 2nd Floor, (West Wing), Worldmark 1, Aerocity, NEW DELHI 110037, INDIA, India ~72: PARIHAR, Dwarkesh Singh;VERMA, Paresh~ 33:IN ~31:201911030820 ~32:30/07/2019

2022/00193 ~ Complete ~54:4,4A,5,7,8,8A-HEXAPYRIDO[4,3-B][1,4]OXAZIN-3-ONE COMPOUNDS AS MAGL INHIBITORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: GRETHER, Uwe;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;LUTZ, Marius Daniel Rinaldo;O'HARA, Fionn;RICHTER, Hans~ 33:EP ~31:19196089.7 ~32:09/09/2019

2022/00006 ~ Provisional ~54:BAAL THE APP ~71:MIGHT NDAMANA NXUMALO, PLOT 254 MEYERTON ROAD, South Africa ~72: MIGHT NDAMANA NXUMALO~

2022/00069 ~ Complete ~54:YAK HAIR KERATIN EXTRACTION METHOD ~71:Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development Zone, Tiexi District, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: BAI, Xiaolin;GUAN, Xiaotong;GUO, Liying;HUANG, Xiansheng;LI, Fenghong;LI, Liang;WANG, Zhe;ZHU, Haifeng~

2022/00085 ~ Complete ~54:MAGNESIUM IONS BATTERY CATHODE MATERIAL PVP-VS4 ACQUIRED BY PVP INDUCING MICROSTRUCTURE MODULATION OF VS4 AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology, No. 53, Zhengzhou Road, Shibei District, Qingdao City, Shandong Province, 266042, People's Republic of China ~72: Dai, Xin;Ding, Shiqi;Li, Zhenjiang;Meng, Alan~ 33:CN ~31:202111159109.6 ~32:30/09/2021

2022/00090 ~ Complete ~54:A SIMPLE METHOD FOR EXTRACTION OF RICE GENOMIC DNA ~71:Rice Research Institute of Jiangxi Academy of Agricultural Sciences, No. 1738, Liantang North Avenue, Qingyunpu District, Nanchang City, Jiangxi Province, People's Republic of China ~72: Chen Chunlian;Hu Biao;Li Xia;Luo Chaozhou;Wu Ting~

2022/00114 ~ Complete ~54:EFFICIENT MUTAGENESIS METHOD FOR BREEDING APPLE POLYPLOID ~71:Institute of Pomology, Shanxi Agricultural University, No.79 Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Chu Mingli;Dou Yanxin;Jin Mengchen;Ma Dongge;Wang Yunyun;Xu Haihong;Yang Kai~ 33:CN ~31:202111504700.0 ~32:10/12/2021

2022/00126 ~ Complete ~54:SELF-SERVICE RECEIPT PRINTING DEVICE ~71:ZHEJIANG JIANLIN ELECTRONIC Co.,LTD, Room 612, Block C, Meidu Plaza, Gongshu District, Hangzhou City, Zhejiang Province, 310000, People's Republic of China ~72: JIN, Ying;WANG, Yaqun;ZHOU, Jianjun~

2022/00167 ~ Complete ~54:NOVEL DIAGNOSTIC MARKER FOR PANCREATIC CANCER ~71:URTESTE S.A., Starodworska 1, Poland ~72: GRUBA, Natalia;LESNER, Adam~ 33:PL ~31:P.430348 ~32:24/06/2019;33:EP ~31:20150093.1 ~32:02/01/2020;33:EP ~31:20166354.9 ~32:27/03/2020

2022/00172 ~ Complete ~54:METHOD AND APPARATUS FOR DETERMINING INTER-FREQUENCY ADJACENT AREA ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, People's Republic of China ~72: SHI, Chenghui~ 33:CN ~31:201910613787.1 ~32:09/07/2019

2022/00178 ~ Complete ~54:ANTI-MESOTHELIN ANTIBODIES AND IMMUNOCONJUGATES THEREOF ~71:SILVERBACK THERAPEUTICS, INC., 500 Fairview Avenue North, Suite 600, Seattle, Washington, 98109, United States of America ~72: BRENDA STEVENS;PETER ROBERT BAUM;ROBERT DUBOSE;VALERIE ODEGARD~ 33:US ~31:62/863,463 ~32:19/06/2019

2022/00185 ~ Complete ~54:4,4A,5,7,8,8A-HEXAPYRIDO[4,3-B][1,4]OXAZIN-3-ONE COMPOUNDS AS MAGL INHIBITORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BENZ, Joerg;GOBBI, Luca;GREYER, Uwe;GROEBKE ZBINDEN, Katrin;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;MARTIN, Rainer E.;O'HARA, Fionn;PUELLMANN, Bernd;RICHTER, Hans;RITTER, Martin~ 33:EP ~31:19196879.1 ~32:12/09/2019

2022/00194 ~ Complete ~54:HYBRID CIRCUIT BREAKER WITH IMPROVED CURRENT CAPACITY PER DEVICE SIZE ~71:Eaton Intelligent Power Limited, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: ASKAN, Kenan~ 33:GB ~31:1910176.5 ~32:16/07/2019

2022/00004 ~ Provisional ~54:SPILLAGE PREVENTING SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, South Africa ~72: Mike Junior McKerson~

2022/00005 ~ Provisional ~54:DISPENSER ~71:Mike Junior McKerson, 7 Quibeba, South Africa ~72: Mike Junior McKerson~

2022/00010 ~ Provisional ~54:KRIMIES CROISSANTS ~71:Belinda Mbhele, 24 Combrink Road, Ridgepark, South Africa ~72: Belinda Mbhele~

2022/00032 ~ Complete ~54:TEMPERATURE REGULATION HIGH-PRESSURE WATER SUPPLY SYSTEM IN THREE-DIMENSIONAL SIMULATED TEST FOR REDUCED-PRESSURE PILOT PRODUCTION OF DEEP-WATER COMBUSTIBLE ICE ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: HE, Hongming;LI, Bo;LIU, Chunhua;LIU, Xinfu;WANG, Guodong;ZHANG, Shousen~

2022/00047 ~ Complete ~54:PERFORMANCE RECORDING SYSTEM FOR HUMAN RESOURCE MANAGEMENT ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: HAN, Yihua;SUN, Fengqin;TONG, Lu;ZENG, Yijun;ZHAI, Yujia~

2022/00049 ~ Complete ~54:FLAME-RETARDANT POLYSTYRENE BOARD AND METHOD FOR PRODUCING THE SAME ~71:Shandong Guochuang Energy-Saving Technology Co., Ltd., No.589, Limin Street, Changle County, Weifang City, Shandong, 262400, People's Republic of China ~72: WU, Likan~

2022/00054 ~ Complete ~54:ASPHERIC SHORT-WAVE INFRARED LENS ~71:Qingdao University of Technology, No.777 Jialingjiang Road, Huangdao District, Qingdao, Shandong Province, 266520, People's Republic of China ~72: Chen Jianjun~

2022/00061 ~ Complete ~54:SEABED POLYMETALLIC SULFIDE CUTTING HEAD ~71:Central South University, No.932 South Lushan Road, Changsha, Hunan, 410083, People's Republic of China;Hunan Institute of Engineering, No. 88, Fuxing East Road, Xiangtan, Hunan, 411104, People's Republic of China ~72: Dai Yu;Huang Zhonghua;Xie Ya~

2022/00068 ~ Complete ~54:DRIP IRRIGATION METHOD OF SALINE WATER FOR PREVENTION OF SALT ACCUMULATION IN PROTECTION FOREST ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No. 818, Beijing South Road, Urumqi, Xinjiang Uygur Autonomous Region, 830011, People's Republic of China ~72: WANG, Yongdong;XU, Xinwen;YOU, Yuan;ZHOU, Na~

2022/00097 ~ Complete ~54:SIMPLIFIED CULTIVATION METHOD FOR WINE BREWING VINEYARD ~71:JUNDING WINERY CO., LTD., No. 1, Junding Avenue, Nanwang Valley, Nanwang Street, Penglai District, Yantai City, People's Republic of China ~72: BIAN, Feng'e;LI, Hua;LIU, Xingkai;SHAO, Xuedong;WANG, Jixia;WANG, Lin;ZHANG, Zhengwen;ZHAO, Jinzhan;ZHONG, Xiaomin~ 33:CN ~31:202111038149.5 ~32:06/09/2021

2022/00115 ~ Complete ~54:IMITATIVE WILD PLANTING TECHNIQUE OF BUPLEURUM CHINENSE ON BARREN HILLS ~71:Shandong University of Traditional Chinese Medicine, No. 4655, Daxue Road, University Science and Technology Park, Changqing District, Jinan City, Shandong Province, 250355, People's Republic of China ~72: BU, Xun;DU, Kan;GAO, Demin;LIU, Li;SUN, Yan~

2022/00127 ~ Complete ~54:DEVICE AND METHOD FOR ALGAE REMOVAL AND STERILIZATION OF BALLAST WATER BASED ON CESIUM 137 IRRADIATION AND ULTRAVIOLET IRRADIATION ~71:Shandong Analysis and Test Center, 19th Keyuan Road, Jinan, Shandong Province, 250014, People's Republic of China ~72: Guo, Beibei;Li, Qing;Ma, Junjian;You, Hong;Zhang, Jing~

2022/00142 ~ Complete ~54:NOVEL MECHA ROBOT ~71:GUILIN UNIVERSITY OF ELECTRONIC TECHNOLOGY, NO.1, JINJI ROAD, People's Republic of China ~72: DENG, YOUWEI;GUO, KAI;HU, HAIBIN;LIANG, RUIZHE;TANG, LIANG;WANG, BIAO;ZHU, YUMING~

2022/00156 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF CUXO NANOROD WITH NADH PEROXIDASE MIMICS ~71:QINGDAO UNIVERSITY, Qingdao University, 308 Ningxia Road, People's Republic of China ~72: CAI, Yuanyuan;LIU, Aihua;LIU, Junchong~

2022/00179 ~ Complete ~54:POLYNUCLEOTIDES, PRIMERS, AND METHODS FOR DETECTION OF TRANSGENIC EVENT, GENETIC CONSTRUCT, KIT FOR DETECTION MATERIAL FROM A PLANT SAMPLE, EVENT CTC91087-6, INSECT-RESISTANT SUGARCANE PLANT, AND METHOD FOR PRODUCING AN INSECT-RESISTANT SUGARCANE PLANT, PLANT CELL, PLANT PART OR SEED ~71:CTC - CENTRO DE TECNOLOGIA CANAVIEIRA S.A., Fazenda Santo Antonio, S/N, Rodovia SP 147, KM 135, CEP 13433-899 Piracicaba SP, Brazil ~72: ADRIANA CHEAVEGATTI GIANOTTO;AGUSTINA GENTILE;CAMILA FORNEZARI RABELLO;KARINA YANAGUI DE ALMEIDA;MARIA LORENA SERENO;WLADECIR SALLES DE OLIVEIRA~ 33:BR ~31:BR 10 2019 011600 5 ~32:04/06/2019

2022/00186 ~ Complete ~54:HANDLING OF MULTIPLE PICTURE SIZE AND CONFORMANCE WINDOWS FOR REFERENCE PICTURE RESAMPLING IN VIDEO CODING ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Jianle;HENDRY, Fnu~ 33:US ~31:62/871,493 ~32:08/07/2019

2022/00022 ~ Complete ~54:BIOGAS RESIDUE-BASED IN SITU AND ECTOPIC COUPLED DETOXIFICATION METHOD FOR HEXAVALENT CHROMIUM SITE ~71:Qingdao University of Technology, Qingdao University of Technology, No.777 Jialingjiang Road, Huangdao District, Qingdao, 266525, People's Republic of China;Shanghai JieRang Environmental Technology Co., Ltd., Room 0155, 2nd Floor, Ji Building, No. 555 Dongchuan Road, Minhang District, Shanghai, 200241, People's Republic of China;The Second Hydro-geology and Geo-engineering Brigade of Shandong Provincial Bureau of Geology and Mineral (Shandong Lubei Geo-engineering Investigation Institute), No. 1499, Daxue East Road, Dezhou City, Shandong Province , 253072, People's Republic of China ~72: HAN, Jianjiang;QIAO, Yun;SHA, Fujian;SUN, Yingjie;YIN, Bingkui;ZHANG, Dalei;ZHANG, Jie;ZHANG, Lanxin~

2022/00028 ~ Complete ~54:LOW-SUBMERGENCE COAL-DUST RESISTANT DRAINAGE AND GAS PRODUCTION PUMP FOR COAL-BED METHANE WELL ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong , 266525, People's Republic of China ~72: HE, Hongming;LI, Bo;LIU, Guoqiang;LIU, Xinfu;WU, Jianjun;ZHOU, Chao~

2022/00133 ~ Complete ~54:METHOD FOR PREPARING TITANIUM DIOXIDE/TALCUM POWDER COMPOSITE FILLER BY MICROEMULSION METHOD ~71:Zhejiang University of Science and Technology, 318 Liuhe Road, Xihu District, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: CHEN, Yinghao;WANG, Huile;WANG, Yifan;ZHANG, Yan;ZHAO, Huifang~

2022/00135 ~ Complete ~54:CROWN EXTRACTION METHOD BASED ON MULTI-SOURCE REMOTE SENSING OF UNMANNED AERIAL VEHICLE ~71:Institute of Forest Resource Information Techniques CAF, No. 2, Dongxiaofu, Haidian District, Beijing, 100091, People's Republic of China ~72: CHEN, Qiao;CHEN, Yongfu;WANG, Juan;XU, Zhiyang~

2022/00153 ~ Complete ~54:IMPROVED INTRINSIC MODE FUNCTION JUDGMENT METHOD IN EMPIRICAL MODE DECOMPOSITION PROCESS BASED ON INDEPENDENT COMPONENT ANALYSIS ~71:FUJIAN CAI JIAN JI TUAN CO., LTD., No. 188, Xintang Road, Nangang Industrial Zone, Lincheng Town, Shanghang County, Longyan City, People's Republic of China;FUZHOU UNIVERSITY, No. 2, Wulongjiang North Avenue, Fuzhou University Town, Minhou County, Fuzhou, People's Republic of China ~72: FU, Chun;JIANG, Shaofei;LIN, Guixing;WU, Zhaoqi~

2022/00019 ~ Complete ~54:SANITARY CERAMIC GREEN BODY ~71:Qingdao Liangmeiyi Ceramic New Material Technology Co., Ltd., No. 506, Huicheng Road, Chengyang Street, Chengyang District, Qingdao City, Shandong Province, 266000, People's Republic of China;Qingdao University of Science and Technology, No. 99, Songling Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: MA, Zheng;WANG, Lixin;WANG, Mingyue;WANG, Zhiyi;YANG, Changyu~

2022/00029 ~ Complete ~54:ISOLATED MONOMER COMPOUND OF TRICHODERMA POLYSPORUM STRAIN, PREPARATION METHOD AND APPLICATION THEREOF ~71:Qinghai Academy of Agriculture and Forestry Sciences, Ningda Road No. 253, Chengbei district, Xining City, Qinghai Province, 810016, People's Republic of China ~72: Cheng Liang;Ma Yongqiang;Zhu Haixia~

2022/00036 ~ Complete ~54:MOBILE AUXILIARY EQUIPMENT FOR AIR BED ~71:Huainan First People's Hospital, No. 203, Huaibin Road, Tianjia District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: YU, Chuanqing;ZHU, Beibei~ 33:CN ~31:202122463058.8 ~32:13/10/2021

2022/00057 ~ Complete ~54:AUTOMATIC RAIN-PROOF DRAINAGE DEVICE FOR SLOPES ~71:Sinosteel MAANSHAN Mine Research Institute Co., Ltd, 666 Xitang Road, economic development zone, Maanshan City, Anhui Province, 243071, People's Republic of China ~72: Dai Bibo;Luo Minghua;Nie Wen;Wang Yunmin;Wu Xiaogang;Zeng Xuemin;Zhou Yuxin;Zhu Junxing~

2022/00152 ~ Complete ~54:ELECTRONIC INFORMATION ANTI-INTERFERENCE APPARATUS WITH LONG SERVICE LIFE ~71:ZHEJIANG WANLI UNIVERSITY, NO.8 QIANHU SOUTH ROAD, People's Republic of China ~72: DONG, CHEN;LIU, ZHEN;YU, FANG;ZHANG, WEIDONG;ZHAO, CHEN~ 33:CN ~31:202110521590.2 ~32:13/05/2021

2022/00159 ~ Complete ~54:RIVER BANK SLOPE WATER DRAINAGE SYSTEM ~71:JIAXING JINXILAI TECHNOLOGY CO. LTD, 299 Hangfu Road, Chongfu Town, Tongxiang, Jiaxing, Zhejiang, 314511, People's Republic of China ~72: LV, Yan~ 33:CN ~31:201911159952.7 ~32:23/11/2019

2022/00176 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING CNS DISORDERS ~71:SAGE THERAPEUTICS, INC., 215 First Street, Cambridge, Massachusetts, 02142, United States of America ~72: FRANCESCO G SALITURO;MARIA JESUS BLANCO-PILLADO;MARSHALL LEE MORNINGSTAR~ 33:US ~31:62/867,618 ~32:27/06/2019

2022/00013 ~ Complete ~54:METHOD FOR CULTURING CANINE BONE MARROW MESENCHYMAL STEM CELLS ~71:The First Affiliated Hospital of Xinjiang Medical University, No. 393 South LiYuShan Road, Urumqi City, Xinjiang, 830054, People's Republic of China;Xinjiang Medical University, No. 393 South LiYuShan Road, Urumqi City, Xinjiang, 830054, People's Republic of China ~72: Li Yicheng;Ma Hairong;Mu Wenbo~

2022/00042 ~ Complete ~54:UNATTENDED AND SMART CLOUD PLATFORM FOR PLACER QUARRY ~71:Guangxi University, No. 100, Daxuedong Road, Xixiangtang District, Nanning, Guangxi, 530004, People's Republic of China ~72: BAN, Yanjiao;KONG, Deyu;LI, Bin;LIU, Kai;SU, Wenjun;WAN, Haibin;XU, Xianfu;ZHANG, Xuejun~

2022/00065 ~ Complete ~54:RV SPEED REDUCER PERFORMANCE TESTING DEVICE BASED ON MECHANICAL ARMS ~71:Anhui Polytechnic University, No. 8, Middle Beijing Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China;Wuhu Ceprei Robotics Industry Technology Institute Co.,Ltd., No.17 Shenzhou Road,Pilot Free Trade Zone, Wuhu City, Anhui Province, 241003, People's Republic of China ~72: Chen Yu;Ding Yujie;Liu Yongming;Tu Zhijian;Zhang Zhen;Zhao Zhuanzhe~

2022/00120 ~ Complete ~54:INFILTRATION AND SEEPAGE SIMULATION EXPERIMENT MEASURING DEVICE ~71:Tarim University, 705 Hongqiao South Road, Alar City, Xinjiang Province, 843300, People's Republic of China ~72: DING Xiaofan;GUAN Yao;HE Xinghong;LI Mengqin;SUN Ying;WU Lei;WU Qian;ZHANG Yahui;ZHEN Xiaotong;ZHU Zhu~

2022/00124 ~ Complete ~54:PERSONALITY DISORDER CHARACTERISTIC MATCHING SYSTEM BASED ON EEG SIGNAL ACQUISITION ~71:Shaanxi Normal University, No. 620, West Chang'an Avenue, Chang'an District, Xi'an City, Shaanxi Province, 710119, People's Republic of China ~72: JI, Ming;LAN, Jijun;LI, Ying;LI, Ying;LI, Yuan;LIU, Bo;LUO, Yangmei;XU, Quan;YAN, Bihua;YOU, Xuqun~

2022/00139 ~ Complete ~54:BLOCKCHAIN-BASED AGRICULTURAL PRODUCT QUALITY AND SAFETY MONITORING SYSTEM ~71:CHENGDU AGRICULTURAL COLLEGE, NO.392,DETONGQIAO ROAD, WENJIANG DISTRICT, People's Republic of China ~72: LIU, Ting-min;XIANG, Mo-jun~

2022/00106 ~ Complete ~54:METHOD FOR TRANSPLANTING PHYLLOSPADIX IWATENSIS ~71:Shandong University, No. 180, Wenhua West Road, Weihai City, Shandong, 264209, People's Republic of China ~72: GE, Changzi;JIN, Yanmei;LIU, Xueqin;ZHENG, Fengying~

2022/00016 ~ Complete ~54:METHOD AND KIT FOR PAPER-BASED ELECTROCHEMICAL DETECTION OF LACTIC ACID IN SWEAT BASED ON CU-TCPP(Fe)/AU METAL-ORGANIC FRAMEWORK HYBRID NANOSHEETS ~71:Tianjin Institute of Environmental and Operational Medicine, 1 Dali Road, Heping District, Tianjin City, 300050, People's Republic of China ~72: Gao Zhixian;Han Dianpeng;Han Tie;Ji Guangna;Li Shuang;Peng Yuan;Qin Kang;Ren Shuyue;Wang Yu;Zhou Huanying~

2022/00039 ~ Complete ~54:SIDE RETAINING DEVICE FOR REDUCING SIDE SLOPE SLIDING DEGREE OF A COAL MINING COLLAPSE PIT ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168, Taifeng Street, Tianjia'an District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: LIU, Xiaopeng;XU, Liangji;XU, Yang;ZHANG, Kun~ 33:CN ~31:202121499096.2 ~32:02/07/2021

2022/00064 ~ Complete ~54:METHOD FOR MEASURING THE POROSITY OF IONIC RARE EARTH ORES AND DEVICE THEREOF ~71:China University of Geosciences(Beijing), No.29, Xueyuan Road, Haidian District, Beijing, 100083, People's Republic of China;Guangdong Geological Survey Institute, Compound 6, No. 10, East Ring Road, Yuexiu Avenue, Guangzhou, Guangdong, 510110, People's Republic of China;Guangdong University of Petrochemical Technology, NO.139, Guandu Avenue, Maoming city, Guangdong Province, 525000, People's Republic of China ~72: Chen Haixia;Chen Linggang;Guo Min;Huang Huagu;Wang Lin;Zhang Lian;Zhang Wei~

2022/00079 ~ Complete ~54:SLOPE MONITORING SYSTEM BASED ON BIG DATA ANALYSIS FOR OBTAINING THREE-DIMENSIONAL DATA OF SLOPE DEFORMATION ~71:Quanzhou Equipment Manufacturing Research Institute, 511 Jibei, Shangpu village, Luoyang Town, Taiwan investment zone, Quanzhou, Fujian Province, 362201, People's Republic of China ~72: Guo Siliang;Lu Song;Nie Wen;Wang Lei~

2022/00093 ~ Complete ~54:A BIOMETRIC AUTHENTICATION SYSTEM AND METHOD FOR CAPTURING A REAL TIME IMAGE ~71:BATRA, Iti, Vivekananda Institute of Professional Studies, Outer Ring Road, AU Block, Pitampura, India;BHARDWAJ, Abhishek, Directorate of Education, GBSSS Chander Nagar, Government of NCT, India;JAIN, Seema Nath, Ideal Institute of Management and Technology, 16 X, Karkardooma, India;SOM, Subhranil, Bhairab Ganguly College, Feeder Road, Belgharia, West Bengal, India ~72: BATRA, Iti;BHARDWAJ, Abhishek;JAIN, Seema Nath;SOM, Subhranil~

2022/00116 ~ Complete ~54:THE PREPARATION METHOD OF MAGNETIC GRAPHENE OXIDE/CARBOXYMETHYL CHITOSAN COMPOUND CORROSION INHIBITOR AND ITS APPLICATION ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech

Development Zone, Nanchang City, Jiangxi Province , 330096, People's Republic of China;Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province , 330096, People's Republic of China ~72: CHEN, Wei;HAN, Fei;HU, Yin;WANG, Lingling;ZENG, Guoping;ZHANG, Fen~

2022/00143 ~ Complete ~54:PREPARATION METHOD OF EXTRACTION DEVICE FOR ENRICHING POLYCYCLIC AROMATIC HYDROCARBONS ~71:JILIN INSTITUTE OF CHEMICAL TECHNOLOGY, NO.45, CHENGDE STREET, People's Republic of China ~72: GUO, XIAOYANG;LI, YUYING;LIAN, LILI;LOU, DAWEI;WANG, XIYUE;ZHANG, XIAOYU;ZHU, BO~

2022/00183 ~ Complete ~54:INSULATED ELECTRIC CORD ~71:Gripple Limited, The Old West Gun Works, Savile Street East, SHEFFIELD S4 7UQ, SOUTH YORKSHIRE, UNITED KINGDOM, United Kingdom ~72: HUDSON, James;KIMBERLEY, Mark~ 33:GB ~31:1910139.3 ~32:15/07/2019;33:GB ~31:1910202.9 ~32:16/07/2019;33:GB ~31:2010526.8 ~32:09/07/2020

2022/00014 ~ Complete ~54:SEAWATER DESALINATION SYSTEM BASED ON HORIZONTAL TUBE FALLING FILM EVAPORATION ~71:Dongguan University of Technology, No. 1, Daxue Road, Songshanlake District, Dongguan City, Guangdong Province, People's Republic of China ~72: Hu Bing~

2022/00041 ~ Complete ~54:DAMPING VALVE PLATE STRUCTURE OF HYDRO-PNEUMATIC SPRING ~71:Beijing Institute of Technology, No. 5 Zhongguancun South Street, Haidian District, Beijing, People's Republic of China;Beijing Polytechnic, No.9, Liangshuihe Yijie, Beijing Economic and Technological Development Area, Beijing, People's Republic of China ~72: Shi Yuanfang;Zhang Haiyun~

2022/00078 ~ Complete ~54:DOUBLE PROTEIN GOAT MILK YOGURT BASED ON ROSA ROXBURGHII TRATT FRUIT AND BLACK GARLIC AND PREPARATION METHOD THEREOF ~71:Shanghai Jiao Tong University, No. 800, Dongchuan Road, Minhang District, , Shanghai , 200240, People's Republic of China ~72: DENG, Yun;SUN, Suyang;WANG, Danfeng;YIN, Hao;ZHONG, Yu~ 33:CN ~31:202111273609.2 ~32:29/10/2021

2022/00099 ~ Complete ~54:METHOD FOR COMPREHENSIVELY TREATING KITCHEN CLEANING WASTEWATER AND KITCHEN GARBAGE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777 Jialing River East Road, Huangdao District, Qingdao, People's Republic of China ~72: LI, Hongwei;LYU, Mou~

2022/00112 ~ Complete ~54:A SOLUTION OF CALIBRATION PARAMETERS FOR THE QUASI-FULL-SPECTRAL ANALYSIS (QFSA) OF URANIUM QUANTIFICATION GAMMA-RAY LOGGING ~71:East China University of Technology, No.418 Guanglan Avenue, Nanchang Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330032, People's Republic of China ~72: Chen Rui;Huang Fan;Tang Bin;Wang Haitao;Wang Renbo;Zhang Lijiao;Zhang Xiongjie;Zhang Yan;Zhou Shumin;liu Zhifeng~

2022/00118 ~ Complete ~54:METHOD AND SYSTEM FOR GENERATING A FINANCIAL INFOGRAPHIC OF A USER THROUGH A FINANCING PLATFORM ~71:MAGNISAVE GROUP SDN. BHD., 157-1, JALAN SEGAMBUT, SEGAMBUT, Malaysia ~72: VINCENT SOH AIK GUAN~

2022/00123 ~ Complete ~54:HYDROPHONE ARRAY DIRECTION-FINDING SYSTEM BASED ON DSP AND DOA ESTIMATION METHOD THEREOF ~71:Qingdao University of Technology, No.777 Jialingjiang Road, Huangdao District, Qingdao, Shandong Province, 266520, People's Republic of China ~72: Bai Haodong;Li Enyu;Song Chuanwang;Wang Xinjie;Wang Xuhu~

2022/00125 ~ Complete ~54:ANTI-SLIDING NET FOR IMPROVING SLOPE STABILITY COEFFICIENT ~71:BOSTD GEOSYNTHETICS QINGDAO LTD, Qingda Industrial Zone, Chengyang District, Qingdao City,

Shandong Province , 266111, People's Republic of China ~72: CHEN, Lili;DAI, Zhengjie;FU, Quande;WANG, Xulong;WANG, Yazhong;XIA, Fei;XIA, Wang;XU, Fangjun;YUAN, Shaopeng;ZHANG, Yunyi;ZHENG, Hong;ZHOU, Keqing;ZHU, Yanjie~

2022/00129 ~ Complete ~54:TWO-PURPOSE BOX TYPE ULTRAVIOLET DISINFECTION REPLACEABLE HANDLE DEVICE ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: HU, Shuangyue;SHA, Ang;YIN, Qinchen;ZANG, Xiaolin~

2022/00136 ~ Complete ~54:DEVICE AND METHOD FOR COLLECTING AROMATIC WATER OF FLOWERS THROUGH LOW-TEMPERATURE MICROWAVE HEATING CONDENSATION ~71:Guiyang Xinqi Microwave Industry Limited Liability Company, No. 118, Gaoxin Road, Wudang District, Guiyang City, Guizhou, People's Republic of China ~72: WU, Jing;WU, Qi~ 33:CN ~31:202110162712.3 ~32:05/02/2021

2022/00160 ~ Complete ~54:POLYMER PACKAGING AND USE THEREOF FOR PRESERVING A PHARMACEUTICAL COMPOSITION ~71:CEVA SANTE ANIMALE, 10, avenue de la Ballastière, 33500, Libourne, France ~72: GUIMBERTEAU, Florence;LACOSTE, Sandrine~ 33:FR ~31:1906965 ~32:26/06/2019

2022/00168 ~ Complete ~54:NEW SPECIES OF STENOTROPHOMONAS AND APPLICATION THEREOF ~71:Institute of Medicinal Biotechnology, Chinese Academy of Medical Sciences, No.1 Tiantan Xili, Dongcheng District, People's Republic of China ~72: Hongyu, LIU;Liyang, YU;Yang, DENG;Yueqin, ZHANG~ 33:CN ~31:202010150659.0 ~32:06/03/2020;33:WO ~31:PCT/CN2021/078612 ~32:02/03/2021

2022/00177 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING CNS DISORDERS ~71:SAGE THERAPEUTICS, INC., 215 First Street, Cambridge, Massachusetts, 02142, United States of America ~72: ALBERT JEAN ROBICHAUD;BOYD L HARRISON;DANIEL LA;FRANCESCO G SALITURO;MARIA JESUS BLANCO-PILLADO;MARSHALL LEE MORNINGSTAR~ 33:US ~31:62/867,646 ~32:27/06/2019;33:US ~31:62/867,657 ~32:27/06/2019;33:US ~31:62/867,662 ~32:27/06/2019

2022/00184 ~ Complete ~54:AIR FILTER DEVICE AND FILTER ELEMENT FOR AN AIR FILTER DEVICE OF A MOTOR VEHICLE ~71:Daimler AG, Mercedesstraße 120, STUTTGART 70372, GERMANY, Germany ~72: ENDERLE, Wolfgang;SCHUMACHER, Eric~ 33:DE ~31:10 2020 110 996.2 ~32:22/04/2020

2022/00188 ~ Complete ~54:METHODS OF TREATING HIV IN PEDIATRIC PATIENTS WITH RILPIVIRINE ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, RINGASKIDDY, CO CORK, IRELAND, Ireland ~72: CRAUWELS, Herta;VAN EYGEN, Veerle;VANVEGGEL, Simon~ 33:US ~31:62/870,413 ~32:03/07/2019;33:US ~31:16/919,677 ~32:02/07/2020

2022/00035 ~ Complete ~54:ADDITIVE OF SELENIUM-RICH BIO-ORGANIC FERTILIZER, AND PRODUCTION AND USE METHODS OF SELENIUM-RICH BIO-ORGANIC COMPOUND FERTILIZER ~71:YAN, Songgui, Finance Bureau, Taoyuan County, Changde City, Hunan Province, 415700, People's Republic of China ~72: YAN, Songgui~

2022/00051 ~ Complete ~54:LIGHT COMPOSITE FIREPROOF AND THERMALLY-INSULATED DECORATIVE BOARD AND METHOD FOR PRODUCING THE SAME ~71:Shandong Guochuang Energy-Saving Technology Co., Ltd., No.589, Limin Street, Changle County, Weifang City, Shandong, 262400, People's Republic of China ~72: WU, Likang~

2022/00075 ~ Complete ~54:TENSILE TEST DEVICE FOR ENGINEERING STRUCTURAL COMPONENTS ~71:Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: Hou Xiaoying;Liu Haiyang;Yan Xiangmei~

2022/00088 ~ Complete ~54:INTELLIGENT VOLUME MONITORING DEVICE FOR WINE BREWING
~71:Jiangsu Wanlian Yida Electronic Technology Co., Ltd., No. 14 Jinnan Road, Jinfeng Town, Zhangjiagang City, Suzhou City, Jiangsu, 215625, People's Republic of China ~72: HU, Benlong;TAN, Yusheng~

2022/00092 ~ Complete ~54:METHOD FOR COMPREHENSIVELY TREATING WATER-BASED MUD AND CONSTRUCTION WASTE DERIVED FROM OIL AND GAS EXPLOITATION ~71:Environmental Technology Development Of Tiwte (Tianjin) Co., Ltd., No. 2618 Xin'gang 2nd Road, Binhai New District, Tianjin City, 300450, People's Republic of China;Tianjin Research Institute for Water Transport Engineering, Ministry of Transport, No. 2618 Xin'gang 2nd Road, Binhai New District, Tianjin City, 300450, People's Republic of China ~72: Han Xue;Li Mingming;Li Mingzhe;Wang Jiangong;Zhao Hongyan;Zheng Ying~

2022/00095 ~ Complete ~54:METHOD FOR THREE-Dimensionally PLANTING ROSA RUGOSA AND MEDICAGO SATIVA LINN UNDER JUGLANS REGIA TREES ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No. 818, South Beijing Road, Urumqi, People's Republic of China ~72: LEI, Jiaqiang;LI, Shengyu;LIU, Guojun;WANG, Shijie;WANG, Yongdong;YOU, Yuan;ZHANG, Shicong~

2022/00105 ~ Complete ~54:INTELLIGENT MONITORING AND EARLY WARNING DEVICE FOR HIGHWAY SLOPE SAFETY BASED ON DEPTH CAMERA ~71:Quanzhou Equipment Manufacturing Research Institute, 511 Jibei, Shangpu village, Luoyang Town, Taiwan investment zone, Quanzhou, Fujian Province, 362201, People's Republic of China ~72: Chen Shuiman;Guo Siliang;Lu Song;Nie Wen~

2022/00119 ~ Complete ~54:DEVICE FOR DISPERSING WATER-SOLUBLE POLYMERS ~71:SPCM SA, Zone d'Activité Commerciale de Milieux, France ~72: BONNIER, Julien;RIVAS, Christophe~ 33:FR ~31:2112673 ~32:29/11/2021

2022/00132 ~ Complete ~54:METHOD FOR FLORAL INDUCTION FROM AXILLARY BUDS OF YOUNG CARYA ILLINOENSIS TREES ~71:Jiangsu Academy of Agricultural Sciences, No.50 Zhongling Street, Xiaolingwei, Xuanwu District, Nanjing City, Jiangsu Province, 210014, People's Republic of China ~72: CAI, Heng;ZHANG, Tao;ZHU, Haijun~

2022/00145 ~ Complete ~54:POLYSILICATE ALUMINUM-CATIONIC STARCH COMPOSITE FLOCCULANT AND PREPARATION METHOD THEREOF ~71:JILIN INSTITUTE OF CHEMICAL TECHNOLOGY, NO.45 CHENGDE STREET, People's Republic of China ~72: LI, YUYING;LIAN, LILI;LOU, DAWEI;MA, JIE;WANG, XIYUE;ZHANG, HAO~ 33:CN ~31:202010059306X ~32:19/01/2020

2022/00187 ~ Complete ~54:WIDE-SPECTRUM ANTIBACTERIAL PHARMACEUTICAL FORMULATIONS COMPRISING LYSOZYME AND METHODS OF USING THE SAME ~71:Aybar Ecotechnologies Corp., c/o Jaime R. Angeles, Angeles Pons 27 de Febrero Av. No. 210, Suite 203, El Vergel, SANTO DOMINGO 10107, DOMINICAN REPUBLIC, Dominican Republic ~72: AYBAR-BATISTA, Diogenes~ 33:US ~31:62/853,215 ~32:28/05/2019

2022/00012 ~ Complete ~54:SCREENING METHOD AND SCREENING SYSTEM FOR ISLAND HOUSEHOLD WASTE TREATMENT SOLUTIONS SELECTION ~71:First Institute of Oceanography, Ministry of Natural Resources, No. 6 Xianxialing Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: GUO, Zhen;LIU, Yinchu;XU, Hao;XU, Wanying;ZHANG, Zhiwei~

2022/00031 ~ Complete ~54:SYSTEM FOR PREPARING FERTILIZER FROM LIVESTOCK AND POULTRY MANURE WASTES AND APPLICATION ~71:ZHAO, Shoushan, Development Zone, Gouying Village, Changshan Town, Zouping City, Shandong Province, 256206, People's Republic of China;Zouping Dafeng Food Co.,Ltd., Development Zone, Gouying Village, Changshan Town, Zouping City, Shandong Province, 256206, People's

Republic of China ~72: DONG, Hai;DONG, Jianzhong;FU, Zhaohui;GAO, Shan;GAO, Xianbo;LI, Xueyan;LIU, Xiaoqing;MA, Chao;MA, Wenhao;SHI, Xiaomei;SUN, Hongxia;WANG, Cuiping;XIE, Qiancheng;YANG, Changdong;YANG, Guang;YU, Jinxia;ZHANG, Cheng;ZHANG, Zhiwei;ZHAO, Shoushan~

2022/00043 ~ Complete ~54:COVALENT ORGANIC FRAMEWORK MATERIALS AND SYNTHESIS METHOD AND APPLICATION THEREOF ~71:LINYI UNIVERSITY, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: HAN, Xiaoying;TANG, Lijie;WANG, Yaqi;WEI, Pifeng;WEN, Zhenhao~

2022/00080 ~ Complete ~54:PREPARATION METHOD OF PEROVSKITE MICROCRYSTAL ~71:Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi, 330096, People's Republic of China ~72: FAN, Min;HAN, Fei;LI, Hui;TU, Mengzi;WANG, Lingling;WANG, Zhicheng;XI, Shuyue;XI, Xiping;YAN, Heng~

2022/00089 ~ Complete ~54:NEW SOLUBLE SLOW-RELEASE TEMPERATURE-SENSITIVE INHIBITOR AND PREPARATION METHOD THEREOF ~71:Taiyuan University of Technology, No.79 Yingzexi Street, Taiyuan City, Shanxi Province, 030002, People's Republic of China ~72: Cui Chuanbo;Deng Cunbao;Han Qing;Jia Maolin;Jia Yijun;Lei Jianping;Song Zhiqiang~

2022/00094 ~ Complete ~54:AN INTEGRATED DEVICE FOR COMPOSITING AND VERMI-COMPOSITING OF ORGANIC WASTE MATERIALS ~71:CHOUDHURY, Utsa, Civil Engineering Department, NIT Silchar, India;JANARDHANA, Prashanth, Civil Engineering Department, NIT Silchar, India;NARAYANA, Harish, Civil Engineering Department, NIT Goa, India ~72: CHOUDHURY, Utsa;JANARDHANA, Prashanth;NARAYANA, Harish~

2022/00137 ~ Complete ~54:A NOVEL TELESCOPIC PEDAL ~71:ZHANG, Junzhi, 1-3-302, Yichang Nanli, Tanggu Center North Road, Binhai New Dist., Tianjin, People's Republic of China ~72: ZHANG, Junzhi~

2022/00154 ~ Complete ~54:LAMP PRIMER FOR RAPIDLY DETECTING VENTURIA INAEQUALIS, AND KIT AND DETECTION METHOD THEREOF ~71:QINGDAO AGRICULTURAL UNIVERSITY, 700 Changcheng Road, Chengyang District, Qingdao City, People's Republic of China ~72: LI, Baohua;LIU, Na;REN, Weichao~

2022/00161 ~ Complete ~54:ANTI-B7-H4 ANTIBODY-DRUG CONJUGATE AND MEDICINAL USE 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: BAO, Rudi;HUA, Haiqing;LIU, Suxia~ 33:CN ~31:201910498993.2 ~32:06/06/2019;33:CN ~31:202010215322.3 ~32:24/03/2020

2022/00001 ~ Provisional ~54:SPILLAGE PREVENTING SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, South Africa ~72: Mike Junior McKerson~

2022/00007 ~ Provisional ~54:BUILDING BLOCKS (BRICKS) ~71:NEL,WILLEM,HENDRIK, PO BOX 48194, South Africa ~72: NEL,WILLEM,HENDRIK~

2022/00034 ~ Complete ~54:MEDICAL ANTIBACTERIAL AND DISINFECTING BIODRESSING ~71:Shandong Nuoxin Testing Co., Ltd., No. 32, Zhujiang Road, Economic and Technological Development Zone, Yantai City, Shandong, 264000, People's Republic of China ~72: DONG, Pingge;GAO, Yingjiao;HU, Yanqiu~

2022/00011 ~ Complete ~54:INCLINED T-TYPE PIPE MULTI-LEVEL HIGH-VOLTAGE ELECTRIC FIELD SEABED SEPARATION METHOD ~71:Qingdao University of Technology, No.777, Jialingjiang East Road,

Economic and Technological Development Zone, Qingdao City, Shandong , 266525, People's Republic of China ~72: LIU, Chunhua;LIU, Xinfu;SHANG, Chao;WU, Qianqian;YANG, Yong;ZHANG, Shousen~

2022/00037 ~ Complete ~54:PREPARATION AND APPLICATION METHOD OF SCATTERED NON-FERROUS METAL TAILINGS IMPROVER ~71:China University of Geosciences (Beijing), China University of Geosciences (Beijing), Xueyuan Road Street, Haidian District, Beijing, 100083, People's Republic of China ~72: CHEN, Zhihui;GU, Jihai;HUANG, Peng;LI, Hao;LU, Chao;MA, Bo;PANG, Wancheng;SONG, Qi;YAO, Jun;ZHU, Xiaozhe~

2022/00046 ~ Complete ~54:BUILDING DAMPER ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong, 266109, People's Republic of China ~72: GUO, Min~

2022/00072 ~ Complete ~54:RETAIL INTERACTIVE SERVICE SYSTEM BASED ON INTERNET OF THINGS ~71:Anhui University of Science And Technology, No.168, Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Cui Xingwen;Zhang Chengjun~

2022/00081 ~ Complete ~54:AFFORESTATION METHOD FOR SERIOUSLY SALINIZED LAND IN MID-LATITUDE DESERT GRASSLAND ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No. 818, South Beijing Road, Urumqi, Xinjiang , 830011, People's Republic of China ~72: LIU, Guojun;WANG, Yongdong;XU, Xinwen;YOU, Yuan~

2022/00084 ~ Complete ~54:METHOD FOR PREPARING CANDIDATE OF STANDARD SUBSTANCE FOR BRINE ~71:Qinghai Geological and Mineral Testing Center, 9 Xincheng North Road, Chengzhong District, Xining, Qinghai Province, 810000, People's Republic of China ~72: AN, Guorong;LIU, Dao;SHI, Hua;TAO, Liping;ZHANG, Jianmin;ZHANG, Ming~

2022/00087 ~ Complete ~54:DISPERSION OF OXYGEN-CONTAINING GROUPS SUPPORTED ON CARBON NANOTUBE AND PREPARATION METHOD THEREOF ~71:Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao District, Qingdao City, Shandong Province , 266590, People's Republic of China ~72: HUANG, Jingrui;LIN, Meng-Chang;MENG, Xiaoru;ZHU, Shoupu~

2022/00151 ~ Complete ~54:CONSECUTIVE OPERATION DEVICE FOR EXTRACTION SEPARATION AND PURIFICATION OF HIGH-ACTIVITY FUNCTIONAL POLYSACCHARIDES IN PLANT-BASED MEAL ~71:SHANDONG PEANUT RESEARCH INSTITUTE, No. 126 Fushan Road, Licang District, Qingdao, People's Republic of China ~72: BI, Jie;JIANG, Chen;SHI, Chengren;SONG, Yu;WANG, Mingqing;YANG, Weiqiang;YU, Lina~ 33:CN ~31:202122740374.5 ~32:10/11/2021

2022/00173 ~ Complete ~54:BIOMASS COMPOSITION COMPRISING INSECT PARTICLES, METHOD FOR PRODUCING THE SAME, AND USE OF SAID BIOMASS COMPOSITION ~71:PROTIX B.V., Industriestraat 3, Netherlands ~72: GILLIS, Jacobus Henricus Antonius Maria;WIJTS, Ramon Ren~ 33:US ~31:62/858,348 ~32:07/06/2019;33:NL ~31:2023405 ~32:28/06/2019

2022/00175 ~ Complete ~54:ROTATING SUPPORT DEVICE FOR A TORSION BEAM ~71:KTRSOLAR TECH, S.L, Plaza Mayor, 17 1ºA 31621 Sarriguren, Spain ~72: ÁLVARO ACHAERANDIO FERNÁNDEZ;ANDRÉS JIMÉNEZ DE LA CRUZ;FRANCISCO SERRANO PIRIS~ 33:ES ~31:P201930597 ~32:27/06/2019

2022/00192 ~ Complete ~54:ANTIBODIES WHICH BIND TO CANCER CELLS AND TARGET RADIONUCLIDES TO SAID CELLS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BORMANN, Felix;FENN, Sebastian;FROST, Sofia;GEORGES, Guy;HAAS, Alexander;IMHOF-JUNG, Sabine;KLEIN, Christian;LIPSMEIER, Florian;MATSCHEKO, Daniela;MOELLEKEN, Joerg;UMAÑA, Pablo;WEISER, Barbara~ 33:EP ~31:19186135.0 ~32:12/07/2019

2022/00195 ~ Complete ~54:STAND ALONE COPPER BURNER PANELBURNER PANEL FOR A METALLURGICAL FURNACE ~71:Systems Spray-Cooled, Inc., 877 Seven Oaks Blvd., Suite 500, SMYRNA 37167, TN, USA, United States of America ~72: FERGUSON, Scott A.;WARD, Troy D.~ 33:US ~31:16/560,451 ~32:04/09/2019

2022/00103 ~ Complete ~54:COMPOSITE WOOD BEAM ~71:HEBEI UNIVERSITY OF ARCHITECTURE, No. 13, Chaoyang West Street, Zhangjiakou City, People's Republic of China ~72: BU, Narui;FU, Xiaolin;LI, Zhiqiang;SUN, Yujie;ZHANG, Hongjia~

2022/00107 ~ Complete ~54:PRESSURE DETECTION AND EARLY WARNING DEVICE FOR HIGHWAY SLOPE ~71:Quanzhou Equipment Manufacturing Research Institute, 511 Jibei, Shangpu village, Luoyang Town, Taiwan investment zone, Quanzhou, Fujian Province, 362201, People's Republic of China ~72: Chen Shuiman;Guo Siliang;Lu Song;Nie Wen~

2022/00131 ~ Complete ~54:BIOINFORMATICS PLATFORM FOR IDENTIFICATION OF QUERCETIN DERIVATIVES AS IMMUNITY BOOSTER MOLECULES AGAINST SARS COV-2 ~71:Dr. Atanu Bhattacharjee, Associate Professor , The Assam Royal Global University, Guwahati, Assam, 781035, India;Dr. Bhargab Jyoti Sahariah, Principal, NETES Institute of Pharmaceutical Science, Guwahati, Assam, 781125, India;Dr. Biswajit Dash, Principal, NEPEDS College of Pharmaceutical Sciences, Guwahati, Assam, 781028, India;Mr. Kunal Bhattacharya, Assistant Professor (Department of Pharmaceutical Chemistry), NETES Institute of Pharmaceutical Science, Guwahati, Assam, 781125, India;Mr. Ramen Kalita, Assistant Professor (Department of Pharmacology), NETES Institute of Pharmaceutical Science, Guwahati, Assam, 781125, India;Mr. Ripunjoy Bordoloi, Assistant Professor (Department of Pharmaceutics), NETES Institute of Pharmaceutical Science, Guwahati, Assam, 781125, India;Mrs. Nongmaithem Randhoni Chanu, Assistant Professor , Assam Down Town University, Guwahati, Assam, 781026, India ~72: Dr. Atanu Bhattacharjee;Dr. Bhargab Jyoti Sahariah;Dr. Biswajit Dash;Mr. Kunal Bhattacharya;Mr. Ramen Kalita;Mr. Ripunjoy Bordoloi;Mrs. Nongmaithem Randhoni Chanu~

2022/00149 ~ Complete ~54:CONVEYOR BELT FOR FORAGE CRUSHERS ~71:HULUNBUIR UNIVERSITY, NO.83 XUEFU ROAD, People's Republic of China ~72: XIAO, YANZI~

2022/00191 ~ Complete ~54:METHODS FOR TREATING NEURODEGENERATIVE DISORDERS ~71:Alzheon, Inc., 111 Speen Street, Suite 306, FRAMINGHAM 01701, MA, USA, United States of America ~72: ABUSHAKRA, Susan;HEY, John;POWER, Aidan;TOLAR, Martin~ 33:US ~31:62/862,400 ~32:17/06/2019;33:US ~31:62/944,179 ~32:05/12/2019

2022/00018 ~ Complete ~54:METHOD FOR SYNTHESIZING M-METHOXYPHENOL ~71:Ningxia Huhui Pharmaceutical Technology Co., Ltd., No. 2, Factory 1, No. 123, Economic and Technological Development Zone, Hebin Street, Huinong District , Shizuishan City, Ningxia, 753200, People's Republic of China ~72: DING, Weizhong;GUO, Yuchen;KOU, Juan;LU, Xionggang;SHANG, Xingfu;WANG, Xueguang;WU, Baoqin;YIN, Yuchen;YONG, Jingxue;YUE, Jing;ZOU, Xiujiang~ 33:CN ~31:202111042099.8 ~32:07/09/2021

2022/00052 ~ Complete ~54:FIREPROOF POLYSTYRENE BOARD AND METHOD FOR PRODUCING THE SAME ~71:Shandong Guochuang Energy-Saving Technology Co., Ltd., No.589, Limin Street, Changle County, Weifang City, Shandong, 262400, People's Republic of China ~72: WU, Likan~

2022/00122 ~ Complete ~54:SELF-POSITIONING MULTILAYER STORAGE BOOKCASE AND A SYSTEM THEREOF ~71:Qingdao University of Technology, No.777 Jialingjiang Road, Huangdao District, Qingdao, Shandong Province, 266520, People's Republic of China ~72: Guan Jing;Wang Yanjun;Wang Zilong~

2022/00138 ~ Complete ~54:SMART EDUCATION PLATFORM FOR FEEDING BACK LEARNING STATE BASED ON TIME NODE MARKS ~71:CHENGDU AGRICULTURAL COLLEGE, NO.392,DETONGQIAO ROAD,WENJIANG DISTRICT, People's Republic of China ~72: XIANG, Mo-jun~

2022/00162 ~ Complete ~54:CONSTRUCTION METHOD OF REGULATORY ELEMENT HAVING DUAL FUNCTIONS OF PROMOTION AND TERMINATION, AND BIFUNCTIONAL ELEMENT LIBRARY ~71:SHIHEZI UNIVERSITY, 221 Beisi Road, Shihezi, Xinjiang , 832000, People's Republic of China ~72: LIU, Zhengyang;NI, Xiaoxia;ZHANG, Genlin;ZHANG, Yan~

2022/00017 ~ Complete ~54:ESTIMATION METHOD OF ECOLOGICAL WATER DEMAND OF FOREST VEGETATION IN MOUNTAIN ECOSYSTEM BASED ON EVAPOTRANSPIRATION ~71:Nanjing University of Information Science & Technology, No.219,Ningliu Road,Pukou District, Nanjing City, Jiangsu Province, 210044, People's Republic of China ~72: Wang Ranghui~

2022/00030 ~ Complete ~54:INSECT-RICE SYMBIOTIC COMPREHENSIVE PLANTING AND BREEDING METHOD MAINLY BASED ON TYLORRHYNCHUS PROLIFERATION ~71:Yangjiang Polytechnic, No. 213, Dongshan Road, Jiangcheng District, Yangjiang City, Guangdong Province, 529566, People's Republic of China ~72: CHEN, Xinghan;FAN, Bin;LIANG, Qiyong;SI, Yuanyuan;TAN, Xiaoming;XU, Ruiwen;YANG, Wei~

2022/00048 ~ Complete ~54:PLUG-IN ASSEMBLY TYPE WALL-ANCHORING EXPANSION BOLT ~71:Shandong Guochuang Energy-Saving Technology Co., Ltd., No.589, Limin Street, Changle County, Weifang City, Shandong, 262400, People's Republic of China ~72: WU, Likan~

2022/00062 ~ Complete ~54:EMERGENCY EVALUATION METHOD AND SYSTEM FOR LANDSLIDE AND COLLAPSE ~71:China Harbor Engineering Co., Ltd, NO.9 Chunxiu Road, Dongcheng District, Beijing, 100010, People's Republic of China;Guizhou Earthquake Agency, NO.58 Yan'an East Road,Yunyan District, Guiyang City, Guizhou Province, 550001, People's Republic of China;National Institute of Natural Hazards, Ministry of Emergency Management of China, NO.1 Anningzhuang Road, Haidian District, Beijing, 100089, People's Republic of China;Shijiazhuang Institute of Railway Technology, No.18 Sishui Road, Chang'an District, Shijiazhuang City, Hebei Province, 050000, People's Republic of China ~72: Huang Shuai;Li Shijie;Liu Chuanzheng;Shang Yanliang;Wang Rong;Xiu Liwei;Xu Chong~

2022/00082 ~ Complete ~54:HIGH DIETARY FIBER, POLYPHENOL SAUSAGE AND PREPARATION METHOD THEREOF ~71:Hebei Normal University of Science And Technology, No. 360 West Section of Hebei Street, Qinhuangdao, Hebei, 066004, People's Republic of China;ZHEJIANG UNIVERSITY, No. 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang, 310058, People's Republic of China ~72: CHANG, Xuedong;CHEN, Shiguo;LIU, Suwen;MA, Chenjing;WANG, Hao;WANG, Shuyu;YE, Xingqian~

2022/00182 ~ Complete ~54:RELAY ~71:Eaton Intelligent Power Limited, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: HEMMER, Aloysius;KATZENSTEINER, Matthias~ 33:GB ~31:1910159.1 ~32:16/07/2019

2022/00024 ~ Complete ~54:APPLICATION OF BIOMASS ASH AS FRAMEWORK CONSTRUCTION BODY IN SLUDGE DEWATERING AND METHOD FOR IMPROVING DEWATERING PERFORMANCE OF PAPERMAKING EXCESS SLUDGE ~71:QILU UNIVERSITY OF TECHNOLOGY, Qilu University of Technology, No.3501 Daxue Road, Guyunhu Street, Changqing District, Jinan City, Shandong , 250353, People's Republic of China ~72: CHEN, Xiaoqian;FU, Yingjuan;LI, Yingzheng;SHI, Yunlong;ZHAO, Yaoyao~

2022/00027 ~ Complete ~54:BENT LEVER TYPE ANTI-FAILURE ELEVATOR SAFETY GEAR AND ELEVATOR ~71:Taizhou University, No 1139, Shifu Avenue, Taizhou, Zhejiang, 318000, People's Republic of China ~72: BI, Cheng;BI, Erda;WANG, Hongyun~

2022/00134 ~ Complete ~54:METHOD FOR PREPARING ARCTIGENIN FROM SAUSSUREA MEDUSA AND APPLICATION THEREOF ~71:Northwest Institute of Plateau Biology, Chinese Academy of Sciences, NO.23, Xinning Road, Chengxi District, Xining, Qinghai, 810001, People's Republic of China;Pingdingshan University, Pingdingshan University, South section,Weilai road, Xincheng District, Pingdingshan, Henan, 467000, People's Republic of China ~72: Yu Ruitao;Yu Ruixue~

2022/00021 ~ Complete ~54:PRE-DRESSING METHOD OF LIQUID POTASSIUM ORE ~71:Qinghai Provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, 12 Kunlun South Road, Golmud City, Qinghai Province, 816099, People's Republic of China ~72: Cheng Kangnan;Han Guang;Jia Jiantuan;Jin Fang;Li Dongsheng;Li Hongpu;Liu Jiubo;Pan Tong;Wu Liping;Zhu Yunjun~

2022/00060 ~ Complete ~54:SALINE-ALKALI RESISTANT LONG-ACTING STABLE FERTILIZER AND PREPARATION METHOD THEREOF ~71:Shandong Academy of Agricultural Sciences, No.202 Gongye North Road, Jinan City, Shandong Province, People's Republic of China ~72: Bo Luji;Duan Gang;Li Bing;Li Yan;Li Yaping;Liu Qiang;Liu Zhaohui;Wang Yanqin;Zhang Kai;Zhang Rongquan~

2022/00077 ~ Complete ~54:A FRICTION TESTING DEVICE FOR TESTING FRICTION PERFORMANCE OF CUTTING TOOL COATING ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Qingdao Economic and Technological Development Zone, Qingdao City, Shandong, 266000, People's Republic of China ~72: JIANG, Fulin;WANG, Yuling;YANG, Fazhan~

2022/00102 ~ Complete ~54:SYSTEM AND METHOD FOR COOPERATIVELY TREATING RESIDENT KITCHEN CLEANING WASTEWATER AND RESIDENT KITCHEN GARBAGE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 777 Jialing River East Road, Huangdao District, Qingdao, People's Republic of China ~72: LI, Hongwei;LYU, Mou~

2022/00108 ~ Complete ~54:MECHANICAL ARM INPUT DEVICE FOR MOTION CAPTURE ~71:Anhui Polytechnic University, NO.8 Beijing Middle Road, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Fang Ming;Liu Yongming;Xu Manman;Zhang Zhen;Zhao Zhuanzhe~

2022/00130 ~ Complete ~54:SOLUTION OF CALIBRATION PARAMETERS IN COMBINED NEUTRON/GAMMA LOGGING FOR URANIUM QUANTIFICATION (CNGU) ~71:East China University of Technology, No.418 Guanglan Avenue, Nanchang Economic and Technological Development Zone, Nanchang City, Jiangxi Province, 330032, People's Republic of China ~72: Chen Rui;Huang Fan;Liu Zhifeng;Tang Bin;Wang Haitao;Wang Renbo;Zhang Lijiao;Zhang Xiongjie;Zhang Yan;Zhou Shumin~

2022/00164 ~ Complete ~54:VALVE SHAFT LOCKING MECHANISM ~71:PROTECHNA S.A., Avenue de la Gare 14, Switzerland ~72: OBERMANN, Ernst;SCHNEIDER, Sebastian~ 33:DE ~31:10 2019 118 534.3 ~32:09/07/2019

2022/00190 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TARGETING AND KILLING ALPHA-V BETA-3 -POSITIVE CANCER STEM CELLS (CSCS) AND TREATING DRUG RESISTANT AND METASTATIC CANCERS ~71:The Regents of the University of California, 1111 North Franklin Street, 5th Floor, OAKLAND 94607, CA, USA, United States of America ~72: CHERESH, David;WETTERSTEN, Hiromi~ 33:US ~31:62/882,296 ~32:02/08/2019

2022/00100 ~ Complete ~54:PORTABLE LASER DIRECTIONAL POINTER FOR TUNNEL ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 223 Daizong Street, Tai'an City, People's Republic of China ~72: CHANG, Xikun;CHEN, Shaojie;MA, Liwei;WANG, Yong;WEN, Xinglin;YIN, Liming;ZHANG, Xingguo;ZHU, Xuejun~

2022/00023 ~ Complete ~54:AN EXOSKELETON ROBOT DEDICATED BALANCE COMPONENT
~71:Hangzhou Dianzi University, No. 1158, No. 2 Avenue, Baiyang Street, Qiantang District, Hangzhou, Zhejiang Province, People's Republic of China ~72: Chen Zihan;Fang Yinfeng~

2022/00044 ~ Complete ~54:INFORMATION-BASED INTELLIGENT CONTROL SYSTEM AND A CONTROL METHOD FOR SAFELY MONITORING TAILINGS PONDS ~71:Quanzhou Equipment Manufacturing Research Institute, 511 Jibei, Shangpu village, Luoyang Town, Taiwan investment zone, Quanzhou, Fujian Province, 362201, People's Republic of China ~72: Guo Siliang;Lu Song;Nie Wen;Wang Lei~

2022/00053 ~ Complete ~54:A SNP MOLECULAR MARKER FOR QUICKLY IDENTIFYING APPLE GLOMERELLA LEAF SPOT ~71:Qingdao Agricultural University, No.700,Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: Dong Chaohua;Guo Shaoxia;Liu Yingshuang;Lv Lingling;Zhang Yugang;Zhu Jun~

2022/00066 ~ Complete ~54:MANUFACTURING METHOD AND DEVICE OF GRINDING WHEEL FOR CHAMFERING SILICON WAFER ~71:Shenyang University of Technology, No.111, Shenliao Road, Tiexi District, Shenyang City, Liaoning Province, People's Republic of China ~72: Wang Ying;Wu Tianzheng;Yuan Zewei~

2022/00170 ~ Complete ~54:NON-WATER COOLED CONSUMABLE ELECTRODE VACUUM ARC FURNACE FOR CONTINUOUS PROCESS ~71:PYROGENESIS CANADA INC., 1744 rue William Suite 200 Montréal, Canada ~72: CARABIN, Pierre;GAGNON, Jean-René;SHAHVERDI, Ali~ 33:US ~31:62/858,883 ~32:07/06/2019

2022/00020 ~ Complete ~54:METHOD FOR INHIBITING HIGH-TEMPERATURE CORROSION OF HEAT EXCHANGE SURFACE OF BIOMASS FIRING BOILER ~71:Zhejiang University, No. 38, Zheda Road, Hangzhou City, Zhejiang Province , 310027, People's Republic of China ~72: CHENG, Leming;FANG, Mengxiang;LUO, Zhongyang;WANG, Qinhui;YU, Chunjiang~

2022/00056 ~ Complete ~54:METHOD FOR SELECTING MAJOR QTL AND MOLECULAR MARKERS OF RICE GERMINATION AND FLOOD TOLERANCE ~71:RICE RESEARCH INSTITUTE, GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES, No. 3, Jinying East 1st Street, Tianhe District, Guangzhou City, Guangdong Province, 510640, People's Republic of China ~72: Chen Wenfeng;Fan Zhilan;Jiang Liqun;Li Chen;Liu Qing;Lv Shuwei;Mao Xingxue;Pan Dajian;Sun Bingrui;Zhang Jing~

2022/00076 ~ Complete ~54:COAL MICROWAVE DESULFURIZATION PROCESS APPLIED TO DESULFURIZATION OF HIGH-SULFUR COAL ~71:Anhui University of Science and Technology, No.168, Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Ge Tao;Luo Xiaoman;Qiao Yueyue;Wang Zhaohui;Zhang Mingxu;Zhou Bingyi~

2022/00073 ~ Complete ~54:PLA/PBAT/ THERMOPLASTIC STARCH COMPOSITE FOAMING FLAMERESISTANT MATERIAL AND PREPARATION METHOD THEREOF ~71:Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development Zone, Tiexi District, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: CHEN, Lixin;DA, Wei;LI, Fenghong;WANG, Haiyue;ZHAO, Wei;ZHU, Haifeng~

2022/00101 ~ Complete ~54:METHOD FOR PREPARING MESOPOROUS SILICA/ BASIC COPPER SILICATE CORE-SHELL COMPOSITE MATERIAL ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 53, Zhengzhou Road, Shibei District, Qingdao City, People's Republic of China ~72: CHEN, Dawei;DU, Fanglin;GUO, Zhiyan~

2022/00109 ~ Complete ~54:PRODUCT DETECTION DEVICE BASED ON MACHINE VISION ~71:Anhui University of Science and Technology, No.168, Taifeng Street, Huainan City, Anhui Province, People's Republic of China ~72: Feng HU;Kai BIAN;Mei LI;Mengran ZHOU;Wenhao LAI;Xiaoliang ZHENG~

2022/00147 ~ Complete ~54:AN AUTOMATIC METHOD FOR REPOSITIONING DEFORMED NOTE OF MUSICAL INSTRUMENTS IN CLASSICAL MUSIC ~71:BISWAS, Anupam, Room No. CC 25, Department of Computer Science and Engineering, National Institute of Technology Silchar, Silchar, India ~72: BISWAS, Anupam~

2022/00150 ~ Complete ~54:SHELLFISH-ALGA ECOLOGICAL REEF ~71:YELLOW SEA FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCES, No. 106 Nanjing Road, Shinan District, Qingdao, People's Republic of China ~72: GONG, Pihai;GUAN, Changtao;LI, Jiao~ 33:CN ~31:202110393135.9 ~32:13/04/2021

2022/00165 ~ Complete ~54:ELECTROMAGNETIC VARIABLE-RADIOFREQUENCY COMPENSATOR DEVICE FOR THE PROTECTION OF THE BLADES OF WIND TURBINE TOWERS OR OTHER MOVABLE OR STATIC STRUCTURES ~71:DINTECO FACTORY GASTEIZ, S.L., C/ ALIBARRA, No. 30, PABELLÓN 1 01010 , VITORIA GASTEIZ, Spain ~72: MALDONADO PARDO, Antonio Javier~ 33:ES ~31:P201930547 ~32:14/06/2019

2022/00174 ~ Complete ~54:ANTI-IGE CONSTRUCT ~71:PEACOCK BIOTHERAPEUTICS LIMITED, 2 Dukes Road, Lindfield, Haywards Heath, RH16 2JH, United Kingdom ~72: ANDREW BEAVIL;CHARLES OWEN;REBECCA BEAVIL~ 33:GB ~31:1908108.2 ~32:06/06/2019

2022/00180 ~ Complete ~54:COMPOUNDS AND METHODS OF USE ~71:Edinburgh Molecular Imaging Limited, Nine Edinburgh BioQuarter, 9 Little France Road, EDINBURGH EH16 4UX, UNITED KINGDOM, United Kingdom ~72: PORTAL, Christophe Frederic~ 33:GB ~31:1908573.7 ~32:14/06/2019;33:GB ~31:2004360.0 ~32:26/03/2020

2022/00038 ~ Complete ~54:ENZYME INK, PREPARATION METHOD AND BIOSENSOR ~71:Northwest A and F University, No. 3, Taicheng Road, Yangling Demonstration Zone, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: MA, Min;SHAN, Zhongguo;TIAN, Yujie;WANG, Huiting;XU, Ting;ZHANG, Yanxin~ 33:CN ~31:202110157260.X ~32:04/02/2021

2022/00040 ~ Complete ~54:PLANT PROTECTION UAV LANDING GEAR ~71:LINYI UNIVERSITY, Middle Section of Shuangling Road, Linyi City, Shandong Province, 276000, People's Republic of China ~72: GONG, Wendi;LIANG, Ruquan;WANG, Weijia;YANG, Liu;ZHANG, Danhui;ZHANG, Dengbo~

2022/00091 ~ Complete ~54:ONLINE TESTING DEVICE FOR SPEED REDUCER ~71:Anhui Polytechnic University, No. 8 Middle Beijing Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China;Wuhu Ceprei Robotics Industry Technology Institute Co.,Ltd., No.17 Shenzhou Road, Pilot Free Trade Zone, Wuhu City, Anhui Province, 241003, People's Republic of China ~72: Chen Yu;Ding Yujie;Liu Yongming;Tu Zhijian;Zhang Zhen;Zhao Zhuanzhe~

2022/00113 ~ Complete ~54:WHITE NANOZYME AND ITS APPLICATION ON ANTI-INTERFERENCE COLORIMETRIC ASSAY ~71:Qingdao Agricultural University, 700 Great Wall Road, Chengyang District, Qingdao, Shandong Province, 266109, People's Republic of China ~72: Lei Han;Yucui Zhang~

2022/00141 ~ Complete ~54:TIERED PRICING PRE-PURCHASING PLATFORM AND CONTROL METHOD FOR CLEAN ELECTRICITY ~71:CHINA HUANENG GROUP CLEAN ENERGY TECHNOLOGY RESEARCH

INSTITUTE CO., LTD, Building A, Experimental Building, Huaneng Talent Innovation and, Entrepreneurship Base, South District, Future Science and Technology City, People's Republic of China; HUANENG GROUP TECHNOLOGY INNOVATION CENTER CO., LTD, A312, 3rd Floor, Building 6, Fuxingmennei Street, Xicheng District, People's Republic of China; NORTH CHINA ELECTRIC POWER UNIVERSITY, North China Electric Power University, No. 2, Beinong Road, Huilongguan Town, People's Republic of China ~72: DENG, Ying; LIU, Xin; LIU, Yongqian; LV, Xiaojing; TIAN, De; ZHOU, Chengkai~

2022/00155 ~ Complete ~54:LAMP PRIMER FOR RAPIDLY DETECTING MARSSONINA CORONARIA, AND DETECTION METHOD AND KIT THEREOF ~71:QINGDAO AGRICULTURAL UNIVERSITY, 700 Changcheng Road, Chengyang District, Qingdao City, People's Republic of China ~72: LI, Baohua; LIU, Na; REN, Weichao~

2022/00169 ~ Complete ~54:TITLE REGISTRATION SYSTEM AND PROTOCOL ~71:SCARSELLI, Bruno, 580 5th Avenue, Suite 1518, United States of America ~72: SCARSELLI, Bruno~ 33:WO ~31:PCT/US2019/035237 ~32:03/06/2019

2022/00096 ~ Complete ~54:ANTENNA APPARATUS AND ELECTRONIC DEVICE ~71:ETHETA COMMUNICATION TECHNOLOGY (SHENZHEN) CO., LTD., Floor 4, Independent Building, No 6, Zhangfeng Rd, Oriental Community, Songgang St., Bao'an District, Shenzhen City, People's Republic of China ~72: GAO, Dasong; HUANG, Huan-Chu; LIN, Hong; QI, Zhixing; ZHOU, Yanchao~ 33:CN ~31:202111354677.1 ~32:16/11/2021

2022/00117 ~ Complete ~54:UNIVERSAL PARAMETER FOR CORRECTING CONSTITUTIVE RELATIONSHIP OF LOADED COAL ROCK MATERIAL AND DETERMINING METHOD THEREOF ~71:China University of Mining and Technology, No 1, Daxue Road, Xuzhou, Jiangsu , 221116, People's Republic of China ~72: CAI, Wu; CAO, Anye; DOU, Linming; GONG, Siyuan; HE, Hu; LI, Xuwei; MU, Zonglong; YUAN, Shasha~

2022/00144 ~ Complete ~54:A MODIFIED MAXIMUM POWER POINT (MPP) TRACKING MODULE FOR PHOTOVOLTAIC SYSTEM AND A METHOD THEREOF ~71:ABBAS, Khusnood, Department of Computer science, Zhoukou Normal University, People's Republic of China; AHMAD, Naeem, National Institute of Technology Raipur, (C.G.), India; HASAN, Mohammad Kamrul, Center for Cyber Security, Faculty of Information Science and Technology, Universiti Kebangsaan Malaysia (UKM), Bangi, Malaysia; HUSAIN, Mohammed Aslam, Department of Electrical Engineering, REC Ambedkar Nagar, Ambedkar Nagar, India; KHAN, Asif, Department of Computer Application, Integral University, India ~72: ABBAS, Khusnood; AHMAD, Naeem; HASAN, Mohammad Kamrul; HUSAIN, Mohammed Aslam; KHAN, Asif~

2022/00157 ~ Complete ~54:STORAGE METHOD FOR ANTHERAEA PERNYI EGGS ~71:PLANT PROTECTION RESEARCH INSTITUTE GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES, 7 Jinying Road, Tianhe District, Guangzhou, People's Republic of China ~72: FENG, Xinxia; LI, Dunsong; ZHANG, Baixin; ZHAO, Can~ 33:CN ~31:202110276081.8 ~32:15/03/2021

2022/00166 ~ Complete ~54:ECOLOGICAL SOIL SOLIDIFIER AND PREPARATION METHOD THEREFOR ~71:HAINAN ZHENGWEI INDUSTRIAL DEVELOPMENT CO., LTD., Jiang Lu 12F, Qianxilang Apartment, No. 37 Longkun North Road, Longhua District, Haikou, Hainan, 570100, People's Republic of China ~72: LU, Jiang; XIAO, Yue~ 33:CN ~31:201910931513.7 ~32:29/09/2019

- APPLIED ON 2022/01/04 -

2022/00198 ~ Complete ~54:STORAGE PIT ~71:ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, SEVEN KILOMETERS AWAY FROM ZHANGSU ROAD, People's Republic of China ~72: LI, KUN; ZHAO, LIMEI; ZHONG, HONGQING~

2022/00229 ~ Complete ~54:MODIFIED BCL9 MIMETIC PEPTIDES ~71:SAPIENCE THERAPEUTICS, INC., 500 Mamaroneck Avenue, Suite 320, Harrison, New York, 10528, United States of America ~72: BARRY JAY KAPPEL;ERIN E GALLAGHER;GENE MERUTKA;JIMMY ANDREW ROTOLO~ 33:US ~31:62/870,938 ~32:05/07/2019

2022/00206 ~ Complete ~54:METHOD FOR FIRING CERAMSITE FROM MARINE SLUDGE WITH HIGH SALT CONTENT AND HIGH ORGANIC MATTER ~71:Environmental Technology Development Of Tiwte (Tianjin) Co., Ltd., NO. 2618 Xin'gang 2nd Road, Binhai New District, Tianjin City, 300450, People's Republic of China;Tianjin Research Institute for Water Transport Engineering, Ministry of Transport, NO. 2618 Xin'gang 2nd Road, Binhai New District, Tianjin City, 300450, People's Republic of China ~72: Li Mingming;Li Xiuli;Zhou Bin~

2022/00230 ~ Complete ~54:DEVICES, SYSTEMS AND METHODS FOR MIXING AND/OR INTRODUCING AGROCHEMICALS ~71:DRASLOVKA SERVICES PTY LTD, Unit 18, 52-60 Garden Drive, Tullamarine, Victoria, 3043, Australia ~72: ADAM TROCHA;KADE MCCONVILLE~ 33:AU ~31:2019204014 ~32:07/06/2019;33:AU ~31:2019204030 ~32:07/06/2019

2022/00227 ~ Complete ~54:STABLE ORAL COMPOSITION OF CYCLOPHOSPHAMIDE ~71:INTAS PHARMACEUTICALS LTD., Corporate House, Near Sola Bridge S. G. Highway, Thaltej, Ahmedabad, Gujarat, 380054, India ~72: ASHUTOSH JAMLOKI;JWALANT VIJAYBHAI DESAI;MAYANK SAXENA;VENKATARAMANA NAIDU~ 33:IN ~31:201921027551 ~32:10/07/2019

2022/00240 ~ Complete ~54:METHOD FOR SEA BUCKTHORN SEEDLING CULTURE ~71:GANSU PROVINCE ACADEMY OF QILIAN MOUNTAIN WATER CONSERVATION FORESTS, NO.3, DONGHUAN ROAD, People's Republic of China ~72: LI, WEI;XIAO, MINGMIN;XU, ERWEN;YAN, CHUNMING;YANG, XIAOHU;ZHOU, YULI~

2022/00200 ~ Complete ~54:MONITORING DEVICE FOR ECOLOGICAL ENVIRONMENT MANAGEMENT ~71:Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute, No.3, East Ring Road, Ganzhou District, Zhangye City, Gansu, 734000, People's Republic of China ~72: Hairong He;Jian Ma;Jingzhong Zhao;Kehai Zhang;Longqing Wu;Rongxin Wang;Simin Liu;Weijun Zhao;Wenmao Jing;Xiurong Wu;Xuee Ma;Yongyan He~

2022/00211 ~ Complete ~54:PRE-CASTED CONCRETE STRUCTURE WITH BEAM-SLAB INTEGRATION AND CONSTRUCTION METHOD ~71:FCEC Prefabricated Building Research Institute Company Limited, 17th Floor, Building 4, Luzhuang Tingyuan, West Second Ring North Road, Gulou District, Fuzhou, Fujian, People's Republic of China ~72: Meiting LIU;Peitao XU;Siyuan CHI;Yajie ZHANG;Yu REN~ 33:CN ~31:202120728641.4 ~32:10/04/2021

2022/00216 ~ Complete ~54:URBAN-SCALE ACCOUNTING METHOD FOR RENEWABLE RESOURCE POTENTIAL DEVELOPMENT AND CARBON EMISSION ~71:Institute of Science and Technology for Development of Shandong, Qilu University of Technology (Shandong Academy of Sciences), No. 19, Keyuan Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: HAN, Feng;LU, Xinjie;SHI, Feng;SUN, Mengqi;WU, Hongzhi;YANG, Dong~

2022/00223 ~ Complete ~54:A NET ~71:TAMA GROUP, 1923600 Kibbutz, Israel ~72: BLICH, Uri;EITAN, Rotem~ 33:US ~31:62/863,909 ~32:20/06/2019

2022/00233 ~ Complete ~54:7,8-DIHYDRO-4H-PYRAZOLO[4,3-C]AZEPINE-6-ONE COMPOUNDS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: BRANDHUBER, Barbara Jean;LUMERAS AMADOR, Wenceslao~ 33:EP ~31:19382680.7 ~32:05/08/2019

2022/00199 ~ Complete ~54:MECHANIZED DOUBLE-FILM MULCHING CULTIVATION METHOD OF PELLETTED MONOGERM BEET SEEDS AND BEET PLANTING MODE ~71:ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, SEVEN KILOMETERS AWAY FROM ZHANGSU ROAD, People's Republic of China ~72: LI, KUN;LI, ZHIRONG;ZHAO, LIMEI~

2022/00205 ~ Complete ~54:GYPSUM SELF-LEVELING MORTAR FOR UNDERFLOOR HEATING BACKFILL AND PREPARATION METHOD THEREOF ~71:Nanjing Tech University, 30 Pu Zhu South Road, Jiang Bei New District, Nanjing, Jiangsu Province, 211816, People's Republic of China ~72: He Cheng;Jiao Jiawei;Li Dongxu;Liao Dalong~

2022/00207 ~ Complete ~54:SAFETY FOREWARNING METHOD FOR AVOIDING VEHICLE HITTING VULNERABLE TRAFFIC PARTICIPANT ~71:Shandong University of Science and Technology, No.579, Qianwangang Road, Economic and Technological Development Zone, Qingdao City, Shandong Province , 266590, People's Republic of China ~72: LI, Chongchong;LIU, Zhaohui;WANG, Chao;ZHANG, Xike;ZHAO, Chuanqi~

2022/00213 ~ Complete ~54:METHOD FOR CONTROLLING LARVAE AND PUPAE OF LASIODERMA SERRICORNE (FABRICIUS) BY USING SCLERODERMA GUANI XIAO ET WU ~71:Guizhou Normal University, School of Life Sciences, Guizhou Normal University, University Town, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LI, Li;NIU, Guoshuang;SHEN, Tian;WEI, Yun;WU, Dongling;ZHANG, Mengmeng~ 33:CN ~31:202111363060.6 ~32:17/11/2021

2022/00222 ~ Complete ~54:TUBULAR COMPONENT OF PRESSURISED WATER NUCLEAR REACTOR, AND METHOD FOR MANUFACTURING SAID COMPONENT ~71:FRAMATOME, 1 place Jean Millier, Tour Areva, France ~72: BARBERIS, Pierre;LEGRAND, Philippe~ 33:FR ~31:1907524 ~32:05/07/2019

2022/00214 ~ Complete ~54:MULTI-AGENT SIMULATION-BASED OPTIMIZATION METHOD FOR CARBON NEUTRAL PATH OF INDUSTRIAL PARK ~71:Institute of Science and Technology for Development of Shandong, Qilu University of Technology (Shandong Academy of Sciences), No. 19, Keyuan Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China ~72: HAN, Feng;LI, Xin;SHI, Feng;SUN, Lingwen;YANG, Dong;YANG, Nvjie~

2022/00219 ~ Complete ~54:PREPARATION METHOD OF ORDERED TRANSITION METAL HYDROXIDE NANOSHEET BASED ON MAGNETIC FIELD INDUCTION AND USE ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 53, Zhengzhou Road, Shibei District, Qingdao City, People's Republic of China ~72: CHEN, Dawei;DU, Fanglin;GUO, Zhiyan~

2022/00201 ~ Complete ~54:BREWING METHOD OF CABERNET SAUVIGNON SWEET WHITE WINE ~71:Northwest A and F University, No. 3, Taicheng Road, Yangling Demonstration Zone, Xianyang, Shaanxi Province, 712100, People's Republic of China ~72: Jiexing Wang;Jinsheng Zhang;Shuang He;Xiaofeng Yue;Yanlun Ju;Yulin Fang~

2022/00209 ~ Complete ~54:WATER TREATMENT FILLER AND PREPARATION METHOD THEREOF ~71:Jilin Jianzhu University, No. 5088 Xincheng Street, Jingyue Zone, Changchun City, Jilin Province, People's Republic of China ~72: Li Na;Lu Hai;Wang Jianhui;Zhang Xiaoyu;Zhao Ke~

2022/00215 ~ Complete ~54:MULTI-AGENT SIMULATION-BASED TECHNOLOGY TRANSFER EVALUATION METHOD ~71:Energy Research Institute of Shandong Academy of Sciences, Qilu University of Technology (Shandong Academy of Sciences), No. 19, Keyuan Road, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China;Institute of Science and Technology for Development of Shandong, Qilu University of Technology (Shandong Academy of Sciences), No. 19, Keyuan Road, Lixia District, Jinan City, Shandong

Province, 250014, People's Republic of China ~72: LIU, Qian;SHI, Feng;SUN, Lingwen;XIAO, Bing;YANG, Dong;ZHANG, Hongjun~

2022/00220 ~ Complete ~54:CIRCUIT BREAKER SYSTEM ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: DICHLER, Werner;JURKOVICTS, Richard;MEISEL, Rainer~ 33:GB ~31:2100069.0 ~32:05/01/2021

2022/00231 ~ Complete ~54:COMPOUNDS COMPRISING A FIBROBLAST ACTIVATION PROTEIN LIGAND AND USE THEREOF ~71:3B Pharmaceuticals GmbH, Magnusstrasse 11, BERLIN 12489 , GERMANY, Germany ~72: BREDENBECK, Anne;HÖHNE, Aileen;HAASE, Christian;OSTERKAMP, Frank;PASCHKE, Matthias;REINEKE, Ulrich;SCHNEIDER, Eberhard;SMERLING, Christiane;UNGEWISS, Jan;ZBORALSKI, Dirk~ 33:EP ~31:19000325.1 ~32:08/07/2019;33:EP ~31:19198813.8 ~32:20/09/2019

2022/00203 ~ Complete ~54:SPECIFIC DNA MOLECULAR MARKER FOR SEX IDENTIFICATION OF POPULUS EUPHRATICA OLIV. BASED ON BULKED-SEGREGANT ANALYSIS SEQUENCING (BSA-SEQ) ANALYSIS ~71:South-Central University For Nationalities, No. 182, Minzu Avenue, Hongshan District, Wuhan City, Hubei, 430074, People's Republic of China;Tarim University, No. 705, Hongqiao South Road, Ala'er City, Xinjiang Uygur Autonomous Region, 843300, People's Republic of China ~72: HAN, Xiaoli;LI, Zhijun;LIU, Hong;QIN, Rui;QU, Wenrui;WU, Zhihua;ZHAI, Juntuan;ZHANG, Shanhe~

2022/00239 ~ Complete ~54:KIT FOR RAPIDLY DETECTING VIBRIO CHOLERAEE ~71:CHINESE ACADEMY OF INSPECTION AND QUARANTINE, NO.11, RONGHUA SOUTH ROAD, People's Republic of China ~72: CI, YING;LI, LI;LIN, NAN;LIU, WEI;NIE, CONG;SHI, QI;WANG, JING;YANG, YU;ZHANG, QIAO;ZOU, DAYANG~

2022/00202 ~ Complete ~54:ENVIRONMENT-FRIENDLY WALL ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong, 266109, People's Republic of China ~72: GUO, Xiaoxia~

2022/00225 ~ Complete ~54:METHOD AND SYSTEM FOR USING THE CARBON OXIDE ARISING IN THE PRODUCTION OF ALUMINIUM ~71:BASF SE, Carl-Bosch-Strasse 38 Ludwigshafen am Rhein 67056, Germany;THYSSENKRUPP AG, ThyssenKrupp Allee 1, 45143 Essen, Germany;THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, ThyssenKrupp Allee 1, 45143, Essen, Germany ~72: ANDREAS BODE;FREDERIK SCHEIFF;KARSTEN BUEKER;MARC LEDUC;NICOLAI ANTWEILER~ 33:EP ~31:19178457.8 ~32:05/06/2019

2022/00221 ~ Complete ~54:FUEL COMPOSITIONS WITH ENHANCED STABILITY AND METHODS OF MAKING SAME ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: CAIAZZO, Aldo;DE VROOM, Cathelijne, Anneroos;SALOMONS, Claudette;YANKULOV, Plamen~ 33:US ~31:62/880,374 ~32:30/07/2019

2022/00232 ~ Complete ~54:FUNGICIDE COMPOSITION FOR CONTROLLING ZYMOSEPTORIA INFECTION IN PLANT ~71:UPL Corporation Limited, 5th Floor, Newport Building, Louis Pasteur Street, PORT LOUIS, MAURITIUS, Mauritius;UPL Europe Limited, The Centre, 1st Floor, Birchwood Park, WARRINGTON WA3 6YN, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: CORMAN, Christophe Charles;LECONTE, Florence Pierrette;MINVIELLE, Caroline~ 33:FR ~31:FR1905972 ~32:05/06/2019

2022/00197 ~ Complete ~54:SEED FIRMER ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: MCMAHON, Brian;STRNAD, Michael;SWANSON, Todd~ 33:US ~31:62/465,646 ~32:01/03/2017

2022/00228 ~ Complete ~54:COMPOSITIONS AND METHODS FOR IMPROVING PLANT HEALTH AND CONTROLLING PLANT DISEASE ~71:AGBIOME, INC., P.O. Box 14069, Durham, North Carolina, 27709, United

States of America ~72: DAVID JOSEPH INGHAM;MATHIAS TWIZEYIMANA;VINCENT JAMES SPADAFORA~
33:US ~31:62/858,653 ~32:07/06/2019;33:US ~31:62/967,852 ~32:30/01/2020

2022/00235 ~ Complete ~54:REDUCER TURNING TEST MACHINE ~71:QINGDAO NUCLEAR INDUSTRY
MACHINERY CO., LTD, Qingdao Nuclear Industry Machinery Co., Ltd Building No. 1, No. 1 Xingguo Road,
Licang District Qingdao, People's Republic of China ~72: HU, Naifa;LI, Wei;LIU, Yonggang;LUAN, Caiqiang;MA,
Wenxia;REN, Zengbin;SU, Hongyan;SUN, Zhen~ 33:CN ~31:202111358318.3 ~32:16/11/2021

2022/00208 ~ Complete ~54:ASSEMBLY METHOD OF OIL SEAL AND GUIDER ASSEMBLY ~71:Qingdao
Regency Oil Seal Co.,Ltd, 168 Gangxing Avenue, Poli Town, Huangdao District, Qingdao, Shandong, 266500,
People's Republic of China ~72: LI, Fang;LIU, Yanfang;ZHENG, Dewu~ 33:CN ~31:202110649687.1
~32:10/06/2021

2022/00236 ~ Complete ~54:PREPARATION METHOD FOR GERMINATED TARTARY BUCKWHEAT
POWDER ~71:FOSHAN UNIVERSITY, No. 18, Jiangwan 1st Road, Chancheng District, Foshan, Guangdong,
528000, People's Republic of China ~72: BAI, Yongliang;WEN, Haixiang;XIA, Yu;ZENG, Rong~ 33:CN
~31:201911224793.4 ~32:04/12/2019

2022/00196 ~ Provisional ~54:MECHANICAL SAFE DOOR LOCK ~71:SHAWN SUTHERLAND, 7 UMFULENI
STREET, South Africa ~72: SHAWN SUTHERLAND~

2022/00204 ~ Complete ~54:NANO-COMPOSITE GEL MATRIX MULTILAYER FABRIC PUNCTURE-
RESISTANT COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF ~71:Tiangong University, No.
399 BinShuiXi Road, XiQing District, Tianjin, 300387, People's Republic of China ~72: GAO, Bo;HAN, Xiao;LI,
Ting-Ting;LIN, Jia-Horng;LOU, Ching-Wen;XING, Meng-Fan~ 33:CN ~31:202110247356.5 ~32:05/03/2021

2022/00210 ~ Complete ~54:METHOD AND SYSTEM FOR COLLABORATIVELY PLOTTING SITUATION MAP
~71:Chinese Academy of Surveying and Mapping, No. 28, Lianhuachi West Road, Haidian District, Beijing ,
100830, People's Republic of China ~72: FANG, Chiyu;HONG, Zhiyuan;LU, Wenjuan;MA, Zhaoting;WU,
Zheng;YANG, Xiao;YIN, Jie;ZHANG, Chengcheng;ZHU, Lining~ 33:CN ~31:202111396125.7 ~32:23/11/2021

2022/00212 ~ Complete ~54:LANDING GEAR UPPER LOCK STRUCTURE FOR AVIATION EMERGENCY
~71:Civil Aviation Flight University of China, 46 Nanchang road, Guanghan, Sichuan, People's Republic of
China;Pan Weijun, 46 Nanchang road, Guanghan, Sichuan, People's Republic of China ~72: Chen Li;Liu
Haochen;Pan Weijun;Wang Rundong;Wang Xuan;Zhang Hengheng;Zuo Qinghai~

2022/00217 ~ Complete ~54:IMAGE RECOGNITION SYSTEM AND IMAGE RECOGNITION DEVICE ~71:Baik
Rongchuang (Shandong) Technology Development Co., Ltd., No. 8588, Xicheng Software Park, Innovation Valley
Incubator, Haitang Road, High-Tech Industrial Development Zone, Jinan City, Shandong Province, 250399,
People's Republic of China;Shandong Institute of Commerce and Technology, 4516 Lvyu Road, Jinan City,
Shandong Province, 250103, People's Republic of China;XU, Hong, 4516 Lvyu Road, Jinan City, Shandong
Province, 250103, People's Republic of China;YE, Caizeng, 4516 Lvyu Road, Jinan City, Shandong Province,
250103, People's Republic of China;ZHANG, Mingbo, No. 8588, Xicheng Software Park, Innovation Valley
Incubator, Haitang Road, High-Tech Industrial Development Zone, Jinan City, Shandong Province, 250399,
People's Republic of China ~72: XU, Hong;YE, Caizeng;ZHANG, Mingbo~

2022/00218 ~ Complete ~54:FRUIT GRADING DEVICE BASED ON COMPUTER VISION ~71:Baik
Rongchuang (Shandong) Technology Development Co., Ltd., No. 8588, Xicheng Software Park, Innovation Valley
Incubator, Haitang Road, High-Tech Industrial Development Zone, Jinan City, Shandong Province, 250399,
People's Republic of China;Shandong Institute of Commerce and Technology, 4516 Lvyu Road, Jinan City,
Shandong Province, 250103, People's Republic of China;XU, Hong, 4516 Lvyu Road, Jinan City, Shandong

Province, 250103, People's Republic of China; YE, Caizeng, 4516 Lvyu Road, Jinan City, Shandong Province, 250103, People's Republic of China; ZHANG, Mingbo, No. 8588, Xicheng Software Park, Innovation Valley Incubator, Haitang Road, High-Tech Industrial Development Zone, Jinan City, Shandong Province, 250399, People's Republic of China ~72: XU, Hong; YE, Caizeng; ZHANG, Mingbo~

2022/00224 ~ Complete ~54: METALLOTHIONEIN ANTIBODIES AND THEIR USE ~71: UNIVERSITY OF CONNECTICUT, 400 Farmington Avenue, MC6400, United States of America ~72: LYNES, Michael~ 33:US ~31:62/874,340 ~32:15/07/2019

2022/00226 ~ Complete ~54: THERMOGELLING CANNABINOID COMPOSITION AND METHOD OF MANUFACTURE AND USE THEREOF ~71: HEXO OPERATIONS INC., 3000 Solandt Road, Ottawa, Ontario, K2K 2X2, Canada ~72: FRANCOIS CHOUINARD; GEORGE ELVIRA; JAMIE SAVARD~ 33:US ~31:62/858,112 ~32:06/06/2019

2022/00234 ~ Complete ~54: PYRIMIDINE-5-CARBOXAMIDE COMPOUND ~71: Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: RUENO PLAZA, Gema~ 33:EP ~31:19382686.4 ~32:06/08/2019; 33:EP ~31:19382744.1 ~32:02/09/2019

- APPLIED ON 2022/01/05 -

2022/00248 ~ Complete ~54: ENGINEERING COST DATA MANAGEMENT SYSTEM ~71: Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: Lyu Yonggang; Wang Yanlin; Yang Ruojing; Zhang Haiyan; Zhang Weihua; Zhao Wenguang~

2022/00267 ~ Complete ~54: MICROPARTICLE COMPOSITIONS COMPRISING SAFLUFENACIL ~71: BASF AGRO B.V., GRONINGENSINGEL 1, 6835 EA ARNHEM, THE NETHERLANDS, Netherlands ~72: KLAMCZYNSKI, Katharine; LAIK, Wolfgang; STEINBRENNER, Ulrich; STEUERWALD, Joerg~ 33:EP ~31:19179063.3 ~32:07/06/2019

2022/00277 ~ Complete ~54: METHODS AND SYSTEMS FOR UTILIZING CALCIUM COMPOUND FROM CALCINED LIMESTONE ~71: ARELAC, INC., 251 E. Hacienda Avenue Suite B, Campbell, California, 95008, United States of America ~72: MICHAEL JOSEPH WEISS; RYAN GILLIAM~ 33:US ~31:62/876,711 ~32:21/07/2019

2022/00281 ~ Complete ~54: WEARABLE EARPIECE OXYGEN MONITOR ~71: OXIWEAR, INC., 1111 Arlington Blvd, Apt. 305, Arlington, Virginia, 22209, United States of America ~72: SHAVINI FERNANDO~ 33:US ~31:62/862,316 ~32:17/06/2019

2022/00261 ~ Complete ~54: A PCR METHOD FOR TRACEABILITY IDENTIFICATION OF 8 ANIMAL-DERIVED COMPONENTS ~71: TAIZHOU FOOD INSPECTION AND TESTING CENTER, No. 788, Donghai Avenue, Taizhou City, People's Republic of China ~72: PAN, Yingqiu; XIA, Huili~

2022/00272 ~ Complete ~54: HAIR BUNDLE ~71: KANEKA CORPORATION, 2-3-18, Nakanoshima Kita-ku Osaka-shi, Osaka, 530-8288, Japan ~72: TOMOKAZU HIGAMI~ 33:JP ~31:2019-118561 ~32:26/06/2019

2022/00286 ~ Complete ~54: ANCHOR FOR A SELF-CLIMBING STRUCTURE ~71: HWS CONCRETE TOWERS, S.L., PORTUETXE BIDEA N°186; 37 2 OF 8, Spain ~72: Amaia MARTINEZ MARTINEZ; Jesu's MONTANER FRAGET; Jos'e; Manuel SORAZU ECHAVE; Mariano PEREZ ABAD; Ricardo DIEGO GARAMENDI; Sergio SAIZ GARCIA~ 33:ES ~31:P201930707 ~32:30/07/2019

2022/00292 ~ Complete ~54:METHOD FOR PREPARING PHYTOSTEROL-STABILIZED WATER-IN-OIL PICKERING EMULSION ~71:JINAN UNIVERSITY, No. 601, Huangpu Avenue West, Tianhe District Guangzhou, People's Republic of China ~72: Caihuan HUANG;Fu LIU;Jie ZHENG;Manyu LAN;Shiyi OU;Yong WANG~ 33:CN ~31:CN 201911199370.1 ~32:29/11/2019

2022/00249 ~ Complete ~54:INTELLIGENT ANALYSIS AND EARLY WARNING SYSTEM FOR MOUNTAIN FLOOD DISASTERS ~71:Anhui University of Science And Technology, No.168, Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Wang Xiaogang;Zhang Pingsong~

2022/00263 ~ Complete ~54:FENCE POST STAY FOR WIRE FENCES ~71:TRIGGER ENGINEERING & CONSULTING PTY LTD, 8A Green Street, Australia ~72: CASAMENTO, Steven Philip~ 33:AU ~31:2019902027 ~32:11/06/2019

2022/00276 ~ Complete ~54:VEHICLE BRAKING SYSTEM ~71:COMPACTION TECHNOLOGY (PROPRIETARY) LIMITED, 59 Second Avenue, Nigel, Gauteng, 1491, South Africa ~72: CHRISTIAAN PETRUS GIEZING;LANCE EDER~

2022/00278 ~ Complete ~54:PRODRUGS OF MODULATORS OF THE NMDA RECEPTOR ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500 Valby, Denmark ~72: ERHAD ASCIC;JOHN PAUL KILBURN;LAURENT DAVID;MAURO MARIGO~ 33:DK ~31:PA201900822 ~32:03/07/2019

2022/00294 ~ Complete ~54:COMPOSITION FOR PREVENTING AND TREATING BACTERIAL LEAF STREAK, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:GUANGDONG BRANCH OF CHINA TOBACCO GENERAL CO., LTD., No. 128, Linhe East Road, Tianhe District, Guangzhou, People's Republic of China;PLANT PROTECTION RESEARCH INSTITUTE OF GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES, No.7 Jinying Road, Tianhe District, Guangzhou, People's Republic of China ~72: Birun LIN;Dayuan SUN;Haibin DENG;Huifang SHEN;Jingxin ZHANG;Qiyun YANG;Xiaoming PU;Yonghua LV;Zheng LU~ 33:CN ~31:CN 202010160189.6 ~32:10/03/2020

2022/00252 ~ Complete ~54:ARTIFICIAL CULTURE DEVICE FOR XYLARIA HYPOXYLON ~71:Hefei University of Technology, No.301, Xunhua Road, Xuancheng District, Xuancheng City, Anhui Province, 242000, People's Republic of China ~72: HAN, Dongjing;LIU, Guoqing;WANG, Zhihua;ZHAO, Fangxi~ 33:CN ~31:202122990902.2 ~32:01/12/2021

2022/00245 ~ Complete ~54:A LOW-LAND REPLANTING METHOD AMONG NITRARIA TANGUTORUM NEBKHAS IN FAMILY PASTURES IN DESERTIFIED GRASSLAND AREAS ~71:Institute Of Water Resources for Pastoral Area.MWR, No.128 University East Street, Saihan District, Hohhot City, Inner Mongolia Autonomous Region China, People's Republic of China ~72: Abi Yasi;Cheng Bo;Dong Lei;Ge Nan;Li Hongfang;Li Jinrong;Liu Hu;Miao Henglu;Tian Xiumin;Wang Jian~

2022/00250 ~ Complete ~54:PRODUCTION METHOD OF ENDOGLUCANASE BY FERMENTATION OF COARSE FODDER FROM A NATURALLY SYMBIOTIC MIXED CULTURE ~71:Institute of Biology,Gansu Academy of Sciences, No.197 Dingxi South Road, Chengguan District, Lanzhou City, Gansu Province, People's Republic of China ~72: Mao Ting;Niu Yongyan;Wang Zhiye;Wei Yaqin~

2022/00254 ~ Complete ~54:SUPPORTED HIGH-ENTROPY ALLOY ACTIVATED CARBON CATALYST FOR ACETYLENE HYDROCHLORINATION AND PREPARATION METHOD AND USE THEREOF ~71:Zhejiang University of Technology, No.18, Chaowang Road, Xiacheng District, Hangzhou, Zhejiang , 310014, People's Republic of China ~72: CHEN, Zhi;FENG, Feng;FENG, Tao;JIANG, Zhao;LI, Xiaonian;TANG, Qi;WANG, Tao;ZHAO, Jia;ZHU, Wenrui~ 33:CN ~31:202110352861.6 ~32:31/03/2021

2022/00259 ~ Complete ~54:METHOD FOR HIGH-CONTRAST DIAGNOSIS OF CANCER CELL/TISSUE AND PREPARATION METHOD OF FLUORESCENT PROBE ~71:SHANXI UNIVERSITY, No. 92, Wucheng Road, Xiaodian District, Taiyuan City, People's Republic of China ~72: LIU, Jing;WANG, Jiaxin;ZHANG, Hongxing~

2022/00264 ~ Complete ~54:TREATMENT OF PARTICULATE FILTERS ~71:JOHNSON MATTHEY PUBLIC LIMITED COMPANY, 5th Floor 25 Farringdon Street London, United Kingdom ~72: BURMESTER, Sabina;HOTCHKISS, Thomas;MARVELL, David;TURNER, John~ 33:GB ~31:1911704.3 ~32:15/08/2019

2022/00238 ~ Provisional ~54:PLAYLIST IT (P.I) ~71:Kagiso Mashigo, No.755 Newstand, Rietgat, Letlhakaneng, Brits 0250, South Africa ~72: Kagiso Mashigo~ 33:ZA ~31:ZA ~32:04/01/2022

2022/00295 ~ Complete ~54:NESTED-PCR PRIMER, KIT AND METHOD FOR DETECTING NUCLEOPOLYHEDROVIRUS CARRIED BY SPODOPTERA LITURA ADULTS ~71:GUANGDONG BRANCH OF CHINA TOBACCO GENERAL CO., LTD., Floor 6, 59-67, No. 15, Zhujiang West Road, Tianhe District, Guangzhou, People's Republic of China;PLANT PROTECTION RESEARCH INSTITUTE OF GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES, No.7 Jinying Road, Tianhe District, Guangzhou, People's Republic of China ~72: Birun LIN;Dayuan SUN;Haibin DENG;Huifang SHEN;Jingxin ZHANG;Qiyun YANG;Xiaoming PU;Yonghua LV;Zheng LU~ 33:CN ~31:CN 201910840642.5 ~32:06/09/2019

2022/00262 ~ Complete ~54:DYNAMIC ADAPTATION OF VOLUMETRIC CONTENT COMPONENT SUB-BITSTREAMS IN STREAMING SERVICES ~71:VID SCALE, INC., 200 Bellevue Parkway, Suite 300 Wilmington, United States of America ~72: HAMZA, Ahmed~ 33:US ~31:62/869,705 ~32:02/07/2019

2022/00274 ~ Complete ~54:COMPOUNDS FOR TREATING RESPIRATORY DISEASE ~71:TMEM16A LIMITED, 6 Falcon Way, Shire Park, Welwyn Garden City, England, AL7 1TW, United Kingdom ~72: ALBERT MA;CHRISTOPHER STIMSON;CLIVE MCCARTHY;DUNCAN ALEXANDER HAY;EDWARD WALKER;JONATHAN DAVID HARGRAVE;MATTHEW SMITH;NAOMI WENT;PETER INGRAM;SOMEINA KHOR;STEPHEN COLLINGWOOD;THOMAS BEAUREGARD SCHOFIELD~ 33:GB ~31:1908451.6 ~32:12/06/2019;33:GB ~31:1917691.6 ~32:04/12/2019

2022/00293 ~ Complete ~54:SEALED COBALT LEACHING DEVICE, REAGENT FOR COBALT LEACHING, METHOD USING DEVICE, USE OF METHOD ~71:SICHUAN JIARUI TECHNOLOGY CO., LTD., No. 389, Section 3, East Third Ring Road, Zhihe Town, Pengzhou, Chengdu City, People's Republic of China ~72: CAO, Lijuan;LI, Weiming;LIU, Nian;ZHENG, Yu~ 33:CN ~31:202110086761.3 ~32:22/01/2021

2022/00243 ~ Complete ~54:A SOIL WIND EROSION MEASURING DEVICE AND ITS METHOD FOR MEASURING THE SOIL WIND EROSION ~71:Institute Of Water Resources for Pastoral Area.MWR, No.128 University East Street, Saihan District, Hohhot City, Inner Mongolia Autonomous Region, People's Republic of China ~72: Bao Lili;Cheng Bo;Dong Lei;Ge Nan;Guo Jianying;Han Zhaoen;Li Hongfang;Li Jinrong;Li Yingkun;Liu Hu;Luo Xiangying;Miao Henglu;Rong Hao;Wang Jian;Wang Ru~

2022/00257 ~ Complete ~54:HIGH-STRENGTH CONCRETE ADDED WITH PVA FIBER AND GRAPHENE AND PREPARATION METHOD THEREOF ~71:CHINA POWER CONSTRUCTION MUNICIPAL CONSTRUCTION GROUP CO., LTD, 4-2101, 2 Rongyuan Road, Huayuan Industrial Zone, Binhai New Area, People's Republic of China;NORTHEAST ELECTRIC POWER UNIVERSITY, 169 Changchun Road, Jilin City, People's Republic of China;SHANDONG UNIVERSITY, 17923 Jingshi Road, Lixia District, Jinan City, People's Republic of China ~72: CHANG, Hao;CHEN, Rong;HAO, Dongxue;LI, Fengting;LI, Guodong;WU, Ke;XIAO, Wenbin;YANG, Hongna;YANG, Tao;ZHAO, Jiahui~

2022/00241 ~ Complete ~54:AUTOMATIC WEIGHING SAND COLLECTOR ~71:INSTITUTE OF WATER RESOURCES OF PASTORAL AREA, MWR, NO. 128, UNIVERSITY EAST STREET, People's Republic of China

~72: GAO, DONGSHENG;GAO, TIANMING;LIU, HU;SHI, HONGBIAO;WANG, JIAN;WANG, ZHIJUN;ZHANG, ZHIFU;ZHEN, CHAO~ 33:CN ~31:202110194298.4 ~32:20/02/2021

2022/00246 ~ Complete ~54:EFFICIENT MOUSE TAIL VEIN INJECTION DEVICE ~71:The Fifth People's Hospital of Wuxi, The Fifth People's Hospital of Wuxi, No.1215 Guangrui Street, Liangxi District, Wuxi, Jiangsu Province, 214000, People's Republic of China ~72: Qiu Yuanwang;Yan Yan~

2022/00251 ~ Complete ~54:SCREENING METHOD AND CULTIVATION STRUCTURE OF PLANT DISEASE BIOLOGICAL CONTROL STRAIN ~71:Guizhou Institute of Pratacultural, No. 1, Jinnong Road, Jinnong Community, Huaxi District, Guiyang City, Guizhou, 550006, People's Republic of China ~72: JI, Yuyu;LI, Yajiao;OU, Erling;WEI, Xin;WEI, Xingdi;ZENG, Qingfei~

2022/00265 ~ Complete ~54:PROCESS TO PREPARE SOLUTION FROM HYDROFORMYLATION PROCESS FOR PRECIOUS METAL RECOVERY ~71:DOW TECHNOLOGY INVESTMENTS LLC, 2211 H.H. Dow Way Midland, United States of America ~72: BECKER, Michael C.;EISENSCHMID, Thomas C.;MILLER, Glenn A.~ 33:US ~31:62/867,575 ~32:27/06/2019

2022/00268 ~ Complete ~54:COMBINATION THERAPY OF GPR119 AGONISTS AND DPP-4 INHIBITORS ~71:MANKIND PHARMA LTD., 208, OKHLA INDUSTRIAL ESTATE, PHASE III, NEW DELHI - 110 020, INDIA, India ~72: ALI, Sazid;BAPURAM, Srinivasa, Reddy;KUMAR, Anil;PATIL, Rakesh, Iswar;RAI, Santosh, Kumar~ 33:IN ~31:201911027191 ~32:08/07/2019

2022/00279 ~ Complete ~54:MODULATORS OF THE NMDA RECEPTOR ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500 Valby, Denmark ~72: ERHAD ASCIC;JOHN PAUL KILBURN;LAURENT DAVID;MAURO MARIGO~ 33:DK ~31:PA201900821 ~32:03/07/2019

2022/00282 ~ Complete ~54:SOLID DOSE FORMULATIONS FOR NEEDLE-FREE DELIVERY ~71:ENESI PHARMA LIMITED, 120 A&B Olympic Avenue Milton Park, Abingdon, Oxfordshire, OX14 4SA, United Kingdom ~72: CHRIS MACGREGOR;DAVID ANDREW GRANT~ 33:GB ~31:1909280.8 ~32:27/06/2019

2022/00242 ~ Complete ~54:MULTI-STAGE PARALLEL FINNED COOLING DEVICE FOR HIGH-TEMPERATURE CALCINED COKE OF POT CALCINER ~71:Shandong University of Technology, Room 313, Block A, Gaochuang Park, High-tech Development Zone, Zibo City, Shandong Province, 255086, People's Republic of China ~72: Dai Xiangjun;Gao Tengfei;Meng Jian;Sun Peng;Wang Mingchao;Wang Yunfei;Zhang Kai;Zhang Zhongliang;Zheng Bin~

2022/00273 ~ Complete ~54:ANIMAL FOOD COMPOSITION ~71:MARS, INCORPORATED, 6885 Elm Street, Mclean, Virginia, 22101, United States of America ~72: ADRIAN WATSON~ 33:EP ~31:19183974.5 ~32:02/07/2019

2022/00289 ~ Complete ~54:VIRTUAL PREDICTION BUFFER FOR INTRA BLOCK COPY IN VIDEO CODING ~71:BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District., Beijing, 100041, People's Republic of China;BYTEDANCE INC., 12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California, 90066, United States of America ~72: HONGBIN LIU;JIZHENG XU;KAI ZHANG;LI ZHANG;YUE WANG~ 33:CN ~31:PCT/CN2019/094957 ~32:06/07/2019;33:CN ~31:PCT/CN2019/095297 ~32:09/07/2019

2022/00253 ~ Complete ~54:RHIZOSPHERE GROWTH-PROMOTING WATER-SOLUBLE MICROBIAL FERTILIZER AND PREPARATION METHOD THEREOF ~71:Guizhou Institute of Pratacultural, No. 1, Jinnong Road, Jinnong Community, Huaxi District, Guiyang City, Guizhou, 550006, People's Republic of China ~72: JI, Yuyu;LI, Yajiao;OU, Erling;WEI, Xin;WEI, Xingdi;ZENG, Qingfei~

2022/00283 ~ Complete ~54:METHOD FOR PRODUCING A METASTABLE CRYSTAL MODIFICATION OF N-(AMINOIMINOMETHYL)-2-AMINOETHANOIC ACID (IV) ~71:ALZCHEM TROSTBERG GMBH, Dr.-Albert-Frank-Strasse 32, Germany ~72: Franz THALHAMMER;Jürgen SANS;Thomas GÜTHNER~ 33:DE ~31:10 2019 118 893.8 ~32:12/07/2019;33:DE ~31:10 2019 118 894.6 ~32:12/07/2019

2022/00237 ~ Provisional ~54:SELF ALLIGNED HAND OPERATED SLIDING WASHING MACHINE MULTI PURPOSE ~71:JAN WILLEM VAN STADEN, 19 TH AVENUE 323 VILLIERIA, South Africa ~72: JAN WILLEM VAN STADEN~

2022/00244 ~ Complete ~54:URBAN PLANNING LAYOUT DISPLAY DEVICE WITH CLEANING FUNCTION ~71:Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengdong new district, Zhengzhou City, Henan Province, 450046, People's Republic of China ~72: Li Mengyi;Liu Ying;Shen Minghao;Yang Jintao;Yu Jiaqian;Zhang Longyu;Zhao Rongqin;Zhao Wei~

2022/00255 ~ Complete ~54:OPTIMIZED WATER BODY EXTRACTION METHOD USING HIGH-PRECISION TOPOGRAPHIC INFORMATION TO ELIMINATE CLOUD INTERFERENCE ~71:Hohai University, No. 1, Xikang Road, Gulou District, Nanjing City, Jiangsu Province, 210024, People's Republic of China ~72: FAN, Yazhou;LIU, Linxin;WU, Nan;ZHANG, Ke;ZHANG, Qينو~ 33:CN ~31:202110172257.5 ~32:08/02/2021

2022/00258 ~ Complete ~54:COOPERATIVE SCHEDULING METHOD AND SYSTEM FOR COMPUTING RESOURCE AND NETWORK RESOURCE OF CONTAINER CLOUD PLATFORM ~71:GUANGDONG UNIVERSITY OF PETROCHEMICAL TECHNOLOGY, No. 139, Guandu Second Road, Maoming City, People's Republic of China ~72: CUI, Delong;HE, Jieguang;LI, Qirui;PENG, Zhiping;ZHENG, Lizi~

2022/00271 ~ Complete ~54:TORQUE ELEMENT FOR ABSORBING SHEAR FORCES IN A BOLT CONNECTION IN A BUCKET ELEMENT IN A LOADING MACHINE BUCKET ~71:KOMATSU K VX LLC NUF, PLOGFABRIKKVEGEN 9, 4353 KLEPP STASJON, Norway, Norway ~72: TIME, Eyvind~ 33:NO ~31:20190714 ~32:11/06/2019

2022/00275 ~ Complete ~54:METHODS AND COMPOSITIONS FOR CONFERRING AND/OR ENHANCING HERBICIDE TOLERANCE USING PROTOPORPHYRINOGEN IX OXIDASE OF VARIOUS CYANOBACTERIA OR VARIANT THEREOF ~71:FARMHANNONG CO., LTD., 24 , Yeoui-daero, Yeongdeungpo-gu, Seoul, 07320, Republic of Korea ~72: HANUL KIM;JOO YONG WOO;JOONGHYUK PARK;JOONSEON YOON;MYOUNG-KI HONG;SOON-KEE SUNG;YOUNG OCK AHN~ 33:KR ~31:10-2019-0071028 ~32:14/06/2019

2022/00285 ~ Complete ~54:STAUROSPORINE•EMAMECTIN BENZOATE SUSPENDING AGENT AND PREPARATION METHOD AND APPLICATION THEREOF ~71:GUANGDONG BRANCH OF CHINA TOBACCO GENERAL CO., LTD., Floor 6, 59-67, No. 15, Zhujiang West Road, Tianhe District, Guangzhou, People's Republic of China;PLANT PROTECTION RESEARCH INSTITUTE OF GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES;, No.7 Jinying Road, Tianhe District, Guangzhou, People's Republic of China ~72: Birun LIN;Dayuan SUN;Huifang SHEN;Jingxin ZHANG;Qiyun YANG;Xiaoming PU;Yonghua LV;Zheng LU~ 33:CN ~31:202010250137.8 ~32:01/04/2020

2022/00290 ~ Complete ~54:STARCH-BASED AND STEADY-STATE VEGETABLE OIL COMPLEX AND PREPARATION METHOD THEREOF ~71:Guangzhou Institute of Modern Industrial Technology, Nansha Science and Technology Innovation Center, No. 25, South Huanshi Avenue, Nansha District, Guangzhou City, People's Republic of China;SOUTH CHINA UNIVERSITY OF TECHNOLOGY, No.381 Wushan Road, Tianhe District, Guangzhou City, People's Republic of China ~72: Liang QI;Qunyu GAO;Xiaozhou XUE;Zhigang LUO~ 33:CN ~31:202010805013.1 ~32:12/08/2020

2022/00269 ~ Complete ~54:MECHANISM FOR HANDLING PDCCH SKIPPING AND WAKE UP SIGNALING
~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKINEN, Jussi-Pekka;TURTINEN, Samuli;WU, Chunli~

2022/00288 ~ Complete ~54:METHOD AND DEVICE FOR THE QUANTIFICATION OF RADIONUCLIDES IN LIQUID MEDIA ~71:UMWELT- UND INGENIEURTECHNIK GMBH DRESDEN, Zum Windkanal 21, Germany ~72: Gottfried Horst MAERTEN;Jens SCHUBERT~ 33:EP ~31:19202751.4 ~32:11/10/2019

2022/00270 ~ Complete ~54:COLLECTORS FOR FLOTATION PROCESS ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: ESCODA MARGENAT, Maria;MICHAILOVSKI, Alexej;MUELLER-CRISTADORO, Anna, Maria~ 33:EP ~31:19382464.6 ~32:06/06/2019

2022/00284 ~ Complete ~54:DETECTION OF GENOMIC SEQUENCES USING COMBINATIONS OF PROBES, PROBE MOLECULES AND ARRAYS COMPRISING THE PROBES FOR THE SPECIFIC DETECTION OF ORGANISMS ~71:SAFEGUARD BIOSYSTEMS HOLDINGS LTD., Quadrant House, 6th Floor, Thomas More Square, United Kingdom ~72: Holger KLAPPROTH;Sonja BEDNAR~ 33:US ~31:62/876,413 ~32:19/07/2019;33:US ~31:63/004,664 ~32:03/04/2020

2022/00247 ~ Complete ~54:A ROTATABLE SAND SAMPLER FOR MEASURING WIND-DRIFT SAND FLOW AND SAND TRANSPORT FLUX ON ICE SURFACES ~71:Institute Of Water Resources for Pastoral Area.MWR, No.128 University East Street, Saihan District, Hohhot City, Inner Mongolia Autonomous Region, People's Republic of China ~72: Abi Yasi;Bao Lili;Cheng Bo;Dang Xiaohong;Dong Lei;Gao Yong;Ge Nan;Han Yanlong;Han Zhaoen;Li Jinrong;Li Yingkun;Luo Xiangying;Song Wenjuan;Tian Xiumin;Wang Jian;Wang Ru~

2022/00260 ~ Complete ~54:A METHOD FOR PREPARING FISH CARTILAGE COLLAGEN PEPTIDE ~71:LANKUN MARINE BIOTECHNOLOGY (YANTAI) CO., LTD., No. 1, No. 46, Taibei North Road, Yantai Economic and Technological Development Zone, Pilot Free Trade Zone 265505, People's Republic of China;YELLOW SEA FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCES, 106 Nanjing Road, Shinan District, Qingdao City 266071, People's Republic of China ~72: CAO, Rong;LI, Ya;LIU, Lining;LIU, Qi;SUN, Huihui;YU, Yanfei;ZHAO, Ling~

2022/00291 ~ Complete ~54:METHODS OF TREATING CANCER USING PRMT5 INHIBITORS ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE BE 2340, BELGIUM, Belgium ~72: BREHMER, Dirk;GREWAY, Anthony T.;GUO, Yue;HADDISH-BERHANE, Nahor;LAURING, Josh;MANNENS, Geert S.J.;PACKMAN, Kathryn Elizabeth;QUINN, Hillary Joy Millar;WU, Tongfei;XIE, Hong;ZHOU, Junguo~ 33:US ~31:62/858,076 ~32:06/06/2019;33:EP ~31:19193850.5 ~32:27/08/2019

2022/00256 ~ Complete ~54:IMPERMEABLE CONCRETE ADDED WITH POLYPROPYLENE FIBERS AND WASTE TIRE RUBBER PARTICLES AND PREPARATION METHOD THEREOF ~71:CHINA POWER CONSTRUCTION MUNICIPAL CONSTRUCTION GROUP CO., LTD, 4-2101, 2 Rongyuan Road, Huayuan Industrial Zone, Binhai New Area, People's Republic of China;JIHONGTAN RESERVOIR MANAGEMENT STATION OF OPERATION AND MAINTENANCE CENTER OF SHANDONG WATER TRANSFER PROJECT, Jihongtan Reservoir Management Station, Chengyang District, Qingdao City, People's Republic of China;NORTHEAST ELECTRIC POWER UNIVERSITY, 169 Changchun Road, Jilin City, People's Republic of China;SHANDONG UNIVERSITY, 17923 Jingshi Road, Lixia District, Jinan City, People's Republic of China ~72: BING, Qiangxing;CHANG, Hao;FAN, Lianying;LI, Fengting;LI, Guodong;LI, Yunpeng;SUN, Jizheng;WU, Ke;XIAO, Wenbin;YANG, Hongna;YANG, Tao;ZHAO, Jiahui~

2022/00287 ~ Complete ~54:SEAT FOR A VEHICLE ~71:NEXTER SYSTEMS, 13 Route de la Mini~232;re, France ~72: Ang~232;le REYMOND;Jean-Claude DRESSY;Mathias VON EUW~ 33:FR ~31:1906662 ~32:24/06/2019

2022/00266 ~ Complete ~54:COMPOSITION FOR PROSTAGLANDIN TRANSPORTER INHIBITION AND RELATED THERAPEUTIC APPLICATIONS ~71:SAMI-SABINSA GROUP LIMITED, 19/1 & 19/2, I MAIN, II PHASE, PEENYA INDUSTRIAL AREA, BANGALORE 560058, INDIA, India ~72: BANI, Sarang;MAJEED, Muhammed;NAGABHUSHANAM, Kalyanam;PANDEY, Anjali~

2022/00280 ~ Complete ~54:CATALYST FOR OXYGEN GENERATION REACTION DURING WATER ELECTROLYSIS ~71:HERAEUS DEUTSCHLAND GMBH & CO. KG, Heraeusstrasse 12-14, 63450 Hanau, Germany ~72: CHRISTIAN GEBAUER;MARTINA KEMMER~ 33:EP ~31:19185574.1 ~32:10/07/2019

- APPLIED ON 2022/01/06 -

2022/00341 ~ Complete ~54:ANTIBODIES SPECIFICALLY RECOGNIZING PSEUDOMONAS PCRV AND USES THEREOF ~71:Staidson (Beijing) Biopharmaceuticals Co., Ltd., No.36, Jinghai Er Road, Beijing Economic-Technological Development Area, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: LI, Zhong;WANG, Chao;YU, Maorong~ 33:IB ~31:2019/095181 ~32:09/07/2019

2022/00307 ~ Complete ~54:SEABED POLYMETALLIC SULFIDE MINING DEVICE BASED ON HIGH-PRESSURE WATER JET ~71:Central South University, No.932 South Lushan Road, Changsha City, Hunan Province, 410083, People's Republic of China;Hunan Institute of Engineering, No. 88, Fuxing East Road, Xiangtan City, Hunan Province, 411104, People's Republic of China ~72: Dai Yu;Huang Zhonghua;Xie Ya~

2022/00310 ~ Complete ~54:TREE SPECIES RECOGNITION METHOD BASED ON MULTI-SOURCE REMOTE SENSING OF UNMANNED AERIAL VEHICLE ~71:Institute of Forest Resource Information Techniques CAF, No. 2, Dongxiaofu, Haidian District, Beijing, 100091, People's Republic of China ~72: CHEN, Qiao;CHEN, Yongfu;LI, Huayu;XU, Zhiyang~

2022/00312 ~ Complete ~54:A METHOD FOR SIMULTANEOUSLY DETECTING RESIDUES OF A PLURALITY OF PLASTICIZERS AND A PLURALITY OF PESTICIDES IN FRUITS ~71:Institute of biotechnology and food science, Hebei Academy of agricultural and Forestry Sciences, No.160;598,160;Hepingxi160;Street, Shijiazhuang160;City, Hebei160;Province, 050051, People's Republic of China ~72: Chen Yongda;Li Limei;Qian Xun;Zhang Jiakun;Zhang Shaojun;Zheng Zhenshan~

2022/00321 ~ Complete ~54:A SMART HEALTHCARE SYSTEM AND A METHOD THEREOF ~71:SHARMA, Vijay Kumar, School of Electronics & Communication Engineering, Shri Mata Vaishno Devi University, India;SRIVASTAVA, Swaraj, 4B, Omkar Nagar, Jail Bypass Road, Padri Bazar, U.P., India;YADAV, Ayush, H. No. 106, Girja Nagar, U.P., India ~72: SHARMA, Vijay Kumar;SRIVASTAVA, Swaraj;YADAV, Ayush~

2022/00324 ~ Complete ~54:A REFINED SYSTEM FOR SEISMIC EVALUATION AND RETROFIT OF REINFORCED CONCRETE BUILDINGS AND A METHOD THEREOF ~71:SHENDKAR, Mangeshkumar Rajkumar, Sahyadri Apartment Bhikoba Tambenagar, MIDC, Baramati, India ~72: SHENDKAR, Mangeshkumar Rajkumar~

2022/00342 ~ Complete ~54:RELAXIN ANALOGS AND METHODS OF USING THE SAME ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: LEE, Stacey Lynn;VERDINO, Petra;WANG, Xiaojun~ 33:US ~31:62/880,968 ~32:31/07/2019;33:US ~31:62/970,005 ~32:04/02/2020

2022/00300 ~ Complete ~54:DEVICE FOR HYDROPONICS OF CHINESE CABBAGE, PLANT FIXATOR AND HYDROPONICS METHOD ~71:HuangShan University, 39 Xihai Road,Tunxi District, Huangshan City, Anhui Province, People's Republic of China ~72: Li Xiaoyu;Ma Tao;Ning Bingqian;Su Shengrong;Wan Zhibing;Zhang Ye;Zheng Lei~

2022/00304 ~ Complete ~54:COMPLEX TREADMILL BASED ON A PLATEAU ENVIRONMENT ~71:Shandong Sport University, No. 10600, Shiji Avenue, Jinan City, Shandong Province, 250109, People's Republic of China ~72: HAN, Wei;LI, Xun;LIU, Jun;NIE, Xiangkun;SONG, Qipeng;SUN, Hongmei;SUN, Wei;SUN, Zhiyuan;TIAN, Xuewen;WANG, Qinglu;XU, Peiming;YAO, Xiaona;ZHAO, Jianmin~

2022/00297 ~ Provisional ~54:PATRON MANAGEMENT SYSTEM AND METHOD ~71:Gruvtec (Pty) Ltd, 82 Tamboti Road, La Maison Royale H68, Midrand, 1685, SOUTH AFRICA, South Africa ~72: TSHETLO, Katlego Tsholofelo~

2022/00301 ~ Complete ~54:INTELLIGENT EQUIPMENT MANAGEMENT SYSTEM AND METHOD FOR SCIENTIFIC FITNESS SITE ~71:Shandong Sport University, No. 10600, Shiji Avenue, Jinan City, Shandong Province, 250109, People's Republic of China ~72: CHEN, Longpan;DING, Lijie;DING, Ling;JIANG, Xing;LI, Chengzhi;LI, Xun;LIU, Jun;SUN, Hongmei;SUN, Linfang;SUN, Wei;SUN, Zhiyuan;TIAN, Xuewen;WANG, Jiangna;XU, Peiming;ZHANG, Sen~

2022/00327 ~ Complete ~54:COMPOUNDS USEFUL TO TREAT INFLUENZA VIRUS INFECTIONS ~71:NANJING ZHENGXIANG PHARMACEUTICALS CO., LTD., Sino-Dannish Ecolife Science Industrial Park, NJBPV No. 3-1 Xinjinhu Road, People's Republic of China ~72: HAO, Xiaolin;YANG, Jinfu~ 33:US ~31:62/872,998 ~32:11/07/2019

2022/00320 ~ Complete ~54:METHOD FOR CONTROLLING RADIX SAPOSHNIKOVIAE ROOT ROT OR LEAF SPOT CAUSED BY ALTERNARIA ~71:SHUANGYASHAN DONGHAO AGRICULTURAL SCIENCE & TECHNOLOGY CO., LTD., SIHE VILLAGE, TAIBAO TOWN, People's Republic of China ~72: CUI, ZHENGANG;JIANG, WANYI;LI, YONGGANG;LIU, JINXIN;NING, HAILONG;ZHANG, XUE;ZHU, JUNCHAO~ 33:CN ~31:202110275750.X ~32:15/03/2021

2022/00335 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF TEMOZOLOMIDE. ~71:INTAS PHARMACEUTICALS LTD., Corporate House, Near Sola Bridge S. G. Highway, Thaltej, Ahmedabad - 380054, Gujarat, India., Ahmedabad, 380054, India ~72: ASHUTOSH JAMLOKI;JWALANT VIJAYBHAI DESAI;MAYANK SAXENA;VENKATARAMANA NAIDU~ 33:IN ~31:201921028629 ~32:16/07/2019

2022/00345 ~ Complete ~54:METHODS OF MAKING BEMPEDOIC ACID AND COMPOSITIONS OF THE SAME ~71:Esperion Therapeutics, Inc., 3891 Ranchero Drive, Suite 150, ANN ARBOR 48108, MI, USA, United States of America ~72: ABDELNASSER, Mohamed;AMIN, Rasidul;BARKMAN, Michael;CIMARUSTI, Christopher M.;COOPER, Arthur John;COPP, Richard;GOPAL, Damodaragounder;LANE, Jonathan;SELIG, Philipp~ 33:US ~31:62/864,873 ~32:21/06/2019

2022/00299 ~ Provisional ~54:INTERNET BUNDLE/PLAN SHARING ROUTERS ~71:Mikyle Lewis, 17 Haarlem street, Bothasig, South Africa ~72: Mikyle Lewis~

2022/00330 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF IMATINIB ~71:INTAS PHARMACEUTICALS LTD., Corporate House, Near Sola Bridge S. G. Highway, Thaltej, Ahmedabad, Gujarat, 380054, India ~72: ASHUTOSH JAMLOKI;JWALANT VIJAYBHAI DESAI;MAYANK SAXENA;VENKATARAMANA NAIDU~ 33:IN ~31:201921028370 ~32:15/07/2019

2022/00305 ~ Complete ~54:RARE EARTH DOPED COMPOSITE MATRIX LUMINESCENT MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Jilin Institute of Chemical Technology, Jilin Institute of Chemical Technology, 45 Chengde Street, Longtan District, Jilin City, Jilin Province, 132022, People's Republic of China ~72: LI, Xiang;LIU, Qun;REN, Jian;SHI, Lin;SU, Jiyi~

2022/00316 ~ Complete ~54: DIGITAL DISPLAY METHOD AND SYSTEM, DIGITAL DISPLAY DEVICE AND DIGITAL DISPLAY SERVER ~71: JCDECAUX SA, 17 rue Soyer, 92200, Neuilly Sur Seine, France ~72: LUDOVIC BERTRAND~ 33:FR ~31:21 00310 ~32:13/01/2021

2022/00333 ~ Complete ~54: PHARMACEUTICALLY ACTIVE PYRAZOLO-PYRIDONE MODULATORS OF DCN1/2-MEDIATED CULLIN NEDDYLYATION ~71: MEMORIAL SLOAN-KETTERING CANCER CENTER, 1275 York Avenue, New York, New York, 10065, United States of America; ST. JUDE CHILDREN'S RESEARCH HOSPITAL, INC., 262 Danny Thomas Place, Memphis, Tennessee, 38105, United States of America; UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, 201 Gillis Building, Lexington, Kentucky, 40506-0033, United States of America ~72: BENDA ARLENE SCHULMAN; BHUVANESH SINGH; DANIEL CHARLES SCOTT; HOSHIN KIM; JARED T HAMMILL; RODNEY KIPLIN GUY~ 33:US ~31:62/864,331 ~32:20/06/2019

2022/00347 ~ Complete ~54: PYRAZOLOPYRIMIDINE COMPOUND, PREPARATION METHOD FOR SAME AND APPLICATIONS THEREOF ~71: SHANGHAI PHARMACEUTICALS HOLDING CO., LTD., No. 92 Zhangjiang Road, People's Republic of China ~72: GE, Hui; HUO, Guoyong; KE, Ying; LIU, Yanjun; LOU, Jiangsong; MAO, Yu; SHI, Chen; SHU, Sijie; WANG, Qian; XIA, Guangxin; YU, Jianxin; ZHANG, Bingbin; ZHANG, Chi; ZHANG, Lin; ZHANG, Zhihui~ 33:CN ~31:201910579671.0 ~32:28/06/2019

2022/00309 ~ Complete ~54: ORALLY DISINTEGRATING TABLET FOR PREVENTING AND TREATING TOXOPLASMOSIS OF CATS AND PREPARATION METHOD THEREOF ~71: Liaocheng University, No. 1, Hunan Road, Dongchangfu District, Liaocheng City, Shandong, 252000, People's Republic of China ~72: CHU, Xiuling; LI, Ying; SU, Jianqing; WANG, Xiaoya; ZHANG, Rui; ZHANG, Xinyu~

2022/00322 ~ Complete ~54: AN AUTONOMOUS INTELLIGENT SELF-LEARNING DEFENSE SYSTEM FOR DETECTING AND MITIGATING CYBER ATTACKS IN SMART SYSTEMS ~71: Punjabi University, Punjabi University, Patiala, India ~72: BHANDARI, Abhinav; SNEHI, Manish; VERMA, Jyoti~

2022/00315 ~ Complete ~54: METHODS AND COMPOSITIONS FOR RECOVERY OF LITHIUM FROM LIQUID SOLUTIONS WITH NANOPARTICLES ~71: MOSELLE TECHNOLOGIES, LLC, 13995 Diplomat Drive, Suite 300, Farmers Branch, Texas, 75234, United States of America ~72: ROBERT L ALBRIGHT; STANLEY M MEYER~ 33:US ~31:62/694,943 ~32:06/07/2018

2022/00340 ~ Complete ~54: MICROWAVE HEATING SYSTEM WITH SUPPRESSION TUNNEL AND RELATED FEATURES ~71: A.L.M. Holding Company, 920 10th Avenue North, ONALASKA 54650, WI, USA, United States of America ~72: BYRNES, Michael R.; FREDERIXON, Drew J.; HEGG, Vernon R.; HEHIR, Jacob G.; JAEGER, Kenneth D.; REINKE, Gerald H.~ 33:US ~31:62/869,305 ~32:01/07/2019

2022/00346 ~ Complete ~54: SALT FORMS OF BEMPEDOIC ACID AND METHODS FOR USING THE SAME ~71: Esperion Therapeutics, Inc., 3891 Ranchero Drive, Suite 150, ANN ARBOR 48108, MI, USA, United States of America ~72: ABDELNASSER, Mohamed; CIMARUSTI, Christopher M.; COPP, Richard; LIU, Chengxiang~ 33:US ~31:62/864,873 ~32:21/06/2019

2022/00314 ~ Complete ~54: VIRTUAL REALITY TECHNOLOGY-BASED EXPERIMENTAL PLATFORM FOR AUTOMOBILE ASSEMBLY ~71: Shanghai Polytechnic University, No. 2360 Jinhai Road, Pudong New Area, Shanghai, 201209, People's Republic of China ~72: CAO, Jianqing; CHEN, Zhenyu; HUANG, Nannan; LI, Wenchen; LV, Qinyuan; SHEN, Zhiwei; TAO, Yuening; TU, Zimei; WANG, Sujuan; WEN, Jing; ZHU, Xiaolong~

2022/00339 ~ Complete ~54: DEUTERATED MK2 PATHWAY INHIBITORS AND METHODS OF USING THE SAME ~71: Aclaris Therapeutics, Inc., 640 Lee Road, Suite 200, WAYNE 19087, PA, USA, United States of

America ~72: ANDERSON, David Randolph;DECRESCENZO, Gary Anthony~ 33:US ~31:62/881,026
~32:31/07/2019

2022/00349 ~ Complete ~54:APPARATUS FOR ATTACHING RESTRAINING MEANS TO A LINE ~71:BESTER, Francois Retief, 15 12th Street, South Africa ~72: BESTER, Francois Retief~ 33:ZA ~31:2019/03643
~32:07/06/2019;33:ZA ~31:2019/03644 ~32:07/06/2019

2022/00296 ~ Provisional ~54:AN INCENTIVE SYSTEM ~71:NEEDHAM, Justin, Charles, Stockton, 20 TALTON ROAD, FOREST TOWN, JOHANNESBURG, 2193, SOUTH AFRICA, South Africa ~72: NEEDHAM, Justin, Charles, Stockton~

2022/00326 ~ Complete ~54:SYNERGISTICALLY EFFECTIVE FUNGICIDE COMPOSITION COMPRISING CHOLINE PHOSPHONATE AND AT LEAST ONE ADDITIONAL FUNGICIDE ~71:BELCHIM CROP PROTECTION NV, Technologielaan 7 B-1840, Belgium ~72: CAUCHY, Patrice;DE SAEGHER, Johan;RUELENS, Paul~ 33:EP ~31:19180366.7 ~32:14/06/2019

2022/00334 ~ Complete ~54:A CAP FOR CLOSING A CONTAINER ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: ALESSANDRO FALZONI;MARCO MAZZOTTI~ 33:IT ~31:102019000011124 ~32:08/07/2019

2022/00313 ~ Complete ~54:THREE-DIMENSIONAL IMAGE-CAPTURING DEVICE ~71:North China University of Science and Technology, 21 Bohai Road, Caoheidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: DING, Hongling;GONG, Kai;KONG, Shanshan;LI, Yemo;LIU, Dongmei;SHAO, Chunfang;WANG, Danping~

2022/00311 ~ Complete ~54:CLASSIFIED PREVENTION AND CONTROL METHOD OF CITRUS HUANGLONGBING ENDEMIC AREA ORCHARDS ~71:Institute of Plant Protection, Guangdong Academy of Agricultural Sciences, No. 7, Jinying Street, Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, People's Republic of China ~72: Chen Xia;Cheng Baoping;Cui Yiping;Huang Feng;Ling Jinfeng;Peng Aitian;Song Xiaobing~

2022/00318 ~ Complete ~54:TEMPERATURE SWING SOLVENT EXTRACTION FOR DESCALING OF FEEDSTREAMS ~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: BILLINGE, Ian;BOO, Chanhee;DACH, Eliza;SHAH, Kinnari;WINTON, Robert;YIP, Ngai Yin~ 33:US ~31:63/134,826 ~32:07/01/2021

2022/00325 ~ Complete ~54:CLIMATE CONTROL SYSTEM FOR INSECT FARMING ~71:PROTIX B.V., Industriestraat 3, Netherlands ~72: DIJKSHOORN, Johannes;JANSEN, Jaco;LEUSHUIS, Raymond Joseph;SCHMITT, Eric Holland;VAN KILSDONK, Jaap~ 33:NL ~31:2023331 ~32:17/06/2019

2022/00343 ~ Complete ~54:CIRCUIT BREAKER ~71:Eaton Intelligent Power Limited, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: LEUSENKAMP, Martin Bernardus Johannes;SCHOONENBERG, Gerard Cornelis~ 33:GB ~31:1910149.2 ~32:16/07/2019

2022/00336 ~ Complete ~54:POLYMORPHS OF (R)-N-(5-(5-ETHYL-1,2,4-OXADIAZOL-3-YL)-2,3-DIHYDRO-1H-INDEN-1-YL)-1-METHYL-1H-PYRAZOLE-4-CARBOXAMIDE ~71:Cytokinetics, Inc., 280 E. Grand Ave., SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ANDERSEN, Denise;GAO, Qi;PFEIFFER, Matthew;TOM, Norma~ 33:US ~31:62/875,350 ~32:17/07/2019

2022/00323 ~ Complete ~54:AN APPARATUS FOR ANALYSIS OF SURFACE ROUGHNESS BY FIBER LASER MACHINE ~71:BORSE, Sachin Chandrakant, M.S.P. Mandal's Deogiri Institute of Engineering and Management

Studies, Station Road, (M.S), India;JADHAV, MAYUR LAXAMANRAO, M.S.P. Mandal's Deogiri Institute of Engineering and Management Studies, Station Road, (M.S), India;KADAM, Munjadas Sahebrao, Mechanical Engineering Department, M.G.M s Jawaharlal Nehru Engineering College, CIDCO-N-6, (M.S),, India ~72: BORSE, Sachin Chandrakant;JADHAV, Mayur Laxamanrao;KADAM, Munjadas Sahebrao~

2022/00329 ~ Complete ~54:COMPOSITION FOR PREVENTING, TREATING, OR IMPROVING GASTROINTESTINAL DISEASES COMPRISING STRAIN OF GENUS CORYNEBACTERIUM AND CULTURE THEREOF ~71:CJ CHEILJEDANG CORPORATION, 330, Dongho-ro, Jung-gu, Seoul, 04560, Republic of Korea ~72: NAHUM LEE;YANG-SU KIM;YOUNG GI HONG~ 33:KR ~31:10-2019-0071007 ~32:14/06/2019

2022/00298 ~ Provisional ~54:DYNAMIC YIELDING FRICTION BOLT ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2022/00331 ~ Complete ~54:NALTREXONE FORMULATION ~71:INTAS PHARMACEUTICALS LTD., Corporate House, Near Sola Bridge S. G. Highway, Thaltej, Ahmedabad - 380054, Gujarat, India., Ahmedabad, 380054, India ~72: ALKESHKUMAR NARAYANBHAI PATEL;MANISH MAVJIBHAI PATEL;MANISHKUMAR JAYANTIBHAI CHAUHAN;VENKATARAMANA NAIDU~ 33:IN ~31:201921027547 ~32:10/07/2019

2022/00344 ~ Complete ~54:SOLID COMPOSITIONS COMPRISING A GLP-1 AGONIST, AN SGLT2 INHIBITOR AND A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID ~71:Novo Nordisk A/S, Novo Allé, BAGSVAERD 2880, DENMARK, Denmark ~72: GARIBAY, Patrick William;NAELAPÄÄ, Kaisa;NISSEN, Birgitte;PEDERSEN, Betty Lomstein;VEGGE, Andreas~ 33:EP ~31:19190623.9 ~32:07/08/2019;33:EP ~31:20172415.0 ~32:30/04/2020

2022/00317 ~ Complete ~54:ROCK DRILL SUPPORT ~71:DDT MECHANISED MINING SERVICES (PTY) LTD, P.O. Box 6281 Weltevreden Park, South Africa ~72: VAN NIEKERK, Dennis~ 33:ZA ~31:2020/06454 ~32:08/10/2020;33:ZA ~31:2021/04089 ~32:09/06/2021;33:ZA ~31:2021/09663 ~32:18/11/2021

2022/00306 ~ Complete ~54:CLAMPING AND FIXING DEVICE FOR MACHINING MECHANICAL PART ~71:Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District, Qingdao City, Shandong Province , 266000, People's Republic of China ~72: HU, Yaozeng;WANG, Long;WANG, Yingxin;ZHANG, Qiang~

2022/00350 ~ Complete ~54:PYRAZOLONE AND PYRIMIDINE COMPOUND, AND PREPARATION METHOD AND USE THEREFOR ~71:SHANGHAI PHARMACEUTICALS HOLDING CO., LTD., No. 92 Zhangjiang Road, People's Republic of China ~72: GE, Hui;HUO, Guoyong;KE, Ying;LIU, Yanjun;LOU, Jiangsong;MAO, Yu;SHI, Chen;SHU, Sijie;WANG, Qian;XIA, Guangxin;YU, Jianxin;ZHANG, Bingbin;ZHANG, Chi;ZHANG, Lin;ZHANG, Zhihui~ 33:CN ~31:201910578299.1 ~32:28/06/2019

2022/00337 ~ Complete ~54:FUSION PROTEINS FOR TUBERCULOSIS VACCINES ~71:Statens Serum Institut, COPENHAGEN S 2300, DENMARK, Denmark ~72: AAGAARD, Claus;ANDERSEN, Peter Lawæt;MORTENSEN, Rasmus~ 33:EP ~31:19180280.0 ~32:14/06/2019

2022/00308 ~ Complete ~54:CITRUS POSTHARVEST PLANT PRESERVATIVE CONTAINING ALBIZIAE CORTEX EXTRACT ~71:Jiangxi Agricultural University, 1101 Zhimin Road, Changbei district, Nanchang city, Jiangxi province, 330045, People's Republic of China ~72: Chen Chuying;Chen Jinyin;Wan Chunpeng~

2022/00302 ~ Complete ~54:A FAST SPLICING CONCRETE FILLED STEEL TUBULAR BEAM ~71:Linyi University, West side of north section of Gongye Avenue, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Jia Chuanyang;Liu Keming;Sun Xizhen~

2022/00303 ~ Complete ~54:COLD-FORMED THIN-WALL C-SECTION STEEL EDGED PHOSPHOGYPSUM MODULE INFILLED WALL AND MANUFACTURING METHOD THEREOF ~71:Guizhou University, Guizhou University, No. 2708, south section of Huaxi Avenue, Huaxi District, Guiyang City, Guizhou Province, People's Republic of China ~72: CHEN Bo;HUANG Yong;ZHANG Chenyun;ZHOU Li~

2022/00328 ~ Complete ~54:METHOD FOR PRODUCING A STEEL PART AND STEEL PART ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Bernard RESIAK;Marion FROTEY~ 33:IB ~31:PCT/IB2019/056061 ~32:16/07/2019

2022/00338 ~ Complete ~54:NOVEL GENETIC LOCI ASSOCIATED WITH RUST RESISTANCE IN SOYBEANS ~71:Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, No. 2, Xudong Road 2, Wuchang District, WUHAN 430062, HUBEI, CHINA (P.R.C.), People's Republic of China;Syngenta Biotechnology China Co, Ltd, No. 25, Life Science Park Road, Changping District, BEIJING 102206, CHINA (P.R.C.), People's Republic of China;Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BREITINGER, Becky Welsh;CAO, Dong;CHEN, Haifeng;CHEN, Limiao;CHEN, Shuilian;DONG, Shujie;GUO, Wei;HAO, Qingnan;LIU, Qingli;QIU, Dezhen;SHAN, Zhihui;YANG, Yanyan;YANG, Zhonglu;YUAN, Songli;ZHANG, Chanjuan;ZHANG, Xiaojuan;ZHOU, Xinan~ 33:CN ~31:201910584420.1 ~32:01/07/2019

2022/00348 ~ Complete ~54:WAKE-UP PACKET BASED COORDINATION OF BROADCASTING DEVICE RESPONSES ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: HIERTZ, Guido Roland;LOPEZ, Miguel;SJÖLAND, Henrik;WILHELMSSON, Leif~

2022/00319 ~ Complete ~54:A METHOD OF OPERATING A WIND TURBINE, A POWER GENERATION UNIT AND A METHOD OF MODIFYING A POWER GENERATION UNIT ~71:RAMLAKAN, Virendra, 19, 30th Avenue, uMhlathuzana, CHATSWORTH 4192, SOUTH AFRICA, South Africa ~72: RAMLAKAN, Virendra~ 33:ZA ~31:2021/00406 ~32:18/01/2021

2022/00332 ~ Complete ~54:METHOD FOR REINFORCING A PANEL AND A METHOD FOR MANUFACTURING A COMPOSITE PANEL IMPLEMENTING SUCH A METHOD ~71:ASCODERO PRODUCTIQUE, ZA Route d'Etinehem, 80340, Bray-sur-Somme, France;SOCIETE INTERNATIONALE POUR LE COMMERCE ET L'INDUSTRIE, 31 Avenue de la Lardiere, 13220 Chateaufort, Les Martigues, France ~72: CHARLES LESTOQUOY;CYRIL LAINE;PHILIPPE MARCOVICH;PHILIPPE SAJET;XAVIER COUVREUR~ 33:FR ~31:FR19 07623 ~32:08/07/2019

- APPLIED ON 2022/01/07 -

2022/00354 ~ Complete ~54:PREPARATION METHOD OF Ni^{2+} - Fe^{3+} - TiO_2 -LDHS AND USE THEREOF IN PHOTOCATALYTIC OXIDATION DESULFURIZATION ~71:Yulin University, 51 Chongwen Road, Yuyang District, Yulin City, Shaanxi Province, 719000, People's Republic of China ~72: DANG, Rui;GAO, Yong;GUO, Wei;LI, Chunyan;LI, Xiao;LI, Yanjun;MA, Xiangrong;MA, Yajun;PAN, Yilin;REN, Mengjiao;XUE, Lei;ZHANG, Ya;ZHANG, Yuanyuan;ZHANG, Zhifang~

2022/00359 ~ Complete ~54:ELECTROMAGNETIC RADIATION DETECTION DEVICE AND METHOD BASED ON INTELLIGENT FLIGHT TRAJECTORY CONTROL OF UNMANNED AERIAL VEHICLE ~71:Shandong Analysis and Test Center, 19th Keyuan Road, Jinan, Shandong Province, 250014, People's Republic of China ~72: LI, Qing;MA, Junjian;XIE, Wei;ZHANG, Jing;ZHAO, Lingxi~

2022/00368 ~ Complete ~54:METHOD FOR PREPARING NANO COMPOSITE CODEPOSITION REINFORCED METAL-BASED GRADIENT COATING ~71:Tongling University, No. 1335, Fourth Cuihu Road, Tongling, Anhui Province, 244061, People's Republic of China;Tongling Yuanyi Precision Machinery Co., Ltd., No.129 West Section of Fifth Cuihu Road, Tongling Economic Development Zone, Tongling, Anhui Province, 244061, People's

Republic of China ~72: HUA, Mengzhang;QU, Guang;WANG, Dongsheng;WANG, Qunyou;XU, Lifeng;ZHOU, Yan~

2022/00391 ~ Complete ~54:LIPID-MODIFIED STARCHES ~71:University of Pretoria, Lynnwood Road, South Africa ~72: EMMAMBUX, Mohammad Naushad;NEKHUZHIGA, Humbulani Emmanuel~ 33:ZA
~31:2019/03913 ~32:18/06/2019

2022/00397 ~ Complete ~54:CELL LINES FOR HIGH LEVEL PRODUCTION OF PROTEIN-BASED PHARMACEUTICALS ~71:CHO PLUS INC., 1241 W. Hillsdale Blvd., #205 San Mateo, United States of America ~72: FORMAN, Lawrence~

2022/00358 ~ Complete ~54:COAL MICROWAVE DESULFURIZATION EQUIPMENT AND METHOD ~71:Anhui University of Science And Technology, No.168, Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Ge Tao;Han Ping~

2022/00363 ~ Complete ~54:DISSOLVING DEVICE FOR CHEMICAL MATERIAL PRODUCTION ~71:LINYI UNIVERSITY, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: WEN, Zhenhao~

2022/00364 ~ Complete ~54:WHEELCHAIR TRAVELING MECHANISM CAPABLE OF AUTOMATICALLY ADAPTING TO ROAD CONDITIONS ~71:Shandong University of Technology, 266 Xincun West Road, Zhangdian District, Zibo City, Shandong Province, 255000, People's Republic of China ~72: LIN, Yuyi;WINHOLTZ, Robert Andrew;YU, Wenqiang~

2022/00400 ~ Complete ~54:COMPOUNDS COMPRISING A FIBROBLAST ACTIVATION PROTEIN LIGAND AND USE THEREOF ~71:3B Pharmaceuticals GmbH, Magnusstrasse 11, BERLIN 12489, GERMANY, Germany ~72: BREDENBECK, Anne;HÖHNE, Aileen;HAASE, Christian;OSTERKAMP, Frank;PASCHKE, Matthias;REINEKE, Ulrich;SCHNEIDER, Eberhard;SMERLING, Christiane;UNGEWISS, Jan;ZBORALSKI, Dirk~ 33:EP ~31:19000325.1 ~32:08/07/2019;33:EP ~31:19198810.4 ~32:20/09/2019

2022/00351 ~ Complete ~54:NOVEL USE OF PRODIGIOSIN LOADED BY FRAMEWORK NUCLEIC ACIDS FOR COMPREHENSIVE CONTROLLING COMMON VIRAL DISEASES IN SOLANACEAE PLANTS ~71:Tobacco Research Institute of Chinese Academy of Agricultural Sciences (Qingzhou Tobacco Research Institute of China National Tobacco Company), No.11 Keyuanjing fourth road, Laoshan district, Qingdao, Shandong, People's Republic of China ~72: Fenglong WANG;Jinguang YANG;Lili SHEN;Liyun SONG;Ming GE;Wanhong ZHANG;Ying LI;Yubing JIAO~

2022/00365 ~ Complete ~54:FUNCTIONAL FEED FOR POULTRY AND PREPARATION METHOD THEREOF ~71:Zouping Zhongjie Financial Consulting Co., Ltd., Room 422, Linhui Comprehensive Building, Daixi 5th Road, Gaoxin Street Office, Zouping City, Shandong, 256200, People's Republic of China ~72: DONG, Jianzhong;FU, Zhaohui;HAN, Yaodong;LIU, Xiaoqing;MA, Chao;SONG, Chenxi;SUN, Hongxia;WANG, Cuiping;XIE, Qiancheng;YANG, Guang;ZHAO, Shoushan~

2022/00376 ~ Complete ~54:LASER CLEANING DEVICE SUITABLE FOR HOLES WITH VARIOUS DIAMETERS AND TYPES ~71:Qingdao University of Technology, Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: DONG, Hao;HAN, Suli;LI, Zhuo;LIN, Haibo;SHAO, Jing;SUN, Shufeng;WANG, Yingming~

2022/00389 ~ Complete ~54:DEVICE FOR COOLING A STEEL STRIP ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Makhoulf HAMIDE~ 33:IB ~31:PCT/IB2019/056684 ~32:06/08/2019

2022/00403 ~ Complete ~54:BIOLOGICAL FLUID TREATMENT SYSTEMS ~71:CERUS CORPORATION, 1220 Concord Avenue, Concord, California, 94520, United States of America ~72: DANIEL CHURCH;LLOYD ISON;MARC STERN~ 33:US ~31:62/865,207 ~32:22/06/2019;33:US ~31:62/869,544 ~32:01/07/2019;33:US ~31:62/986,593 ~32:06/03/2020

2022/00412 ~ Complete ~54:INSECTICIDAL PROTEINS FROM PLANTS AND METHODS FOR THEIR USE ~71:PIONEER HI-BRED INTERNATIONAL, INC, 7100 Nw 62nd Avenue, United States of America ~72: BARRY, Jennifer Kara;DONG, Hua;GERBER, Ryan Michael;PETERSON-BURCH, Brooke;SCHEPERS, Eric;WOLFE, Thomas Chad;XIE, Weiping;YALPANI, Nasser;ZHONG, Xiaohong~ 33:US ~31:62/642,644 ~32:14/03/2018;33:WO ~31:PCT/US2019/021770 ~32:12/03/2019

2022/00609 ~ Provisional ~54:MINNI BRAAI/COOKER ~71:CLIFTON AUBREY VAN DER HOVEN, P.O BOX 31191, South Africa ~72: CLIFTON AUBREY VAN DER HOVEN~

2022/00371 ~ Complete ~54:METHOD FOR QUICKLY CONSTRUCTING THE LIGHTWEIGHT THREE-DIMENSIONAL GEOLOGIC BODY MODEL IN REAL TIME ~71:Military-Civilian Integration Geological Survey Center of China Geological Survey, No. 399, Chadianzi Road, Jinniu District, Chengdu, 610036, People's Republic of China ~72: HAO, Ming;LIU, Huan;XIE, Dan;XU, Bin~

2022/00396 ~ Complete ~54:ANTI-TISSUE FACTOR ANTIBODY-DRUG CONJUGATES AND RELATED METHODS ~71:ICONIC THERAPEUTICS, INC., 701 Gateway Blvd, Ste 100, United States of America;ZYMEWORKS INC., 540-1385 West 8th Ave, Canada ~72: CAI, Allen G.;MIGONE, Thi-Sau;THEUNISSEN, Jan-Willem~ 33:US ~31:62/870,644 ~32:03/07/2019

2022/00361 ~ Complete ~54:METHOD FOR PROMOTING FRUIT COLORATION ~71:Nanjing Hejiachun Biological Technology Co., Ltd., No. 18, Xianlin Avenue, Maqun Street, Qixia District, Nanjing City, Jiangsu Province, 210000, People's Republic of China ~72: QU, Yongmei;WANG, Liangju;WANG, Wentao~

2022/00370 ~ Complete ~54:PURE NATURAL PLANT-DERIVED FEED ADDITIVE FOR PREVENTING WEANING STRESS OF LAMBS ~71:Shanxi Agricultural University, NO.81, Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, 030031, People's Republic of China ~72: Liu Xiaodong;Ma Zhengyu;Meng Dongxia~

2022/00377 ~ Complete ~54:METHOD FOR PREPARING PERSONALIZED THREE DIMENSIONAL (3D) PRINTING MASK SUPPORT ~71:Dongguan University of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong, 523808, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;ZHOU, Zirong~

2022/00392 ~ Complete ~54:A BULLET ~71:WEIDEMANN, Hermann Arthur, 621 E. Houston Avenue, Gilbert, United States of America ~72: WEIDEMANN, Hermann Arthur~ 33:US ~31:62/867,119 ~32:26/06/2019

2022/00404 ~ Complete ~54:HDAC6-ACTIVATED MACROPHAGES, COMPOSITIONS, AND USES THEREOF ~71:MEDSTAR HEALTH, 10980 Grantchester Way, Columbia, Maryland, 21044, United States of America;THE GEORGE WASHINGTON UNIVERSITY, A CONGRESSIONALLY CHARTERED NOT-FOR-PROFIT CORPORATION, 1922 F Street NW, 4th Floor, Washington, District of Columbia, 20052, United States of America ~72: ALEJANDRO VILLAGRA;NIMA AGHDAM;SATISH NOONEPALLE~ 33:US ~31:62/867,390 ~32:27/06/2019

2022/00356 ~ Complete ~54:PATH PLANNING METHOD OF MOBILE ROBOTS WITH FINITE ELEMENT MAPS ~71:Anhui University of Science and Technology, No. 168 Taifeng Road, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Jiang Yuanyuan;Liu Yanbin~

2022/00369 ~ Complete ~54:BIOLOGICAL PHOSPHORUS AND NITROGEN REMOVAL DEVICE BASED ON AAO PROCESS ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, West Coast New District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: LIU, Yuming;SUN, Yuanjie;XIE, Jingliang;YU, Liming~

2022/00374 ~ Complete ~54:SHORT COHERENT ILLUMINATION AND POLARIZATION COMBINED UNDERWATER LONG-RANGE OPTICAL IMAGING DEVICE AND METHOD ~71:Qingdao University of Technology, Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: CHEN, Chengjun;HAN, Suli;LIN, Haibo;SHAO, Jing;SUN, Shufeng~

2022/00378 ~ Complete ~54:METHOD FOR TREATING SEEDLINGS BEFORE FIELD PLANTING OF PAEONIA SUFRUTICOSA ANDR ~71:HUANG, Zhimin, No. 147, Qiming South Road, Chanhe Huizu District, Luoyang City, Henan Province, 471002, People's Republic of China ~72: HAN, Zhiqiang;HUANG, Zhimin;HUANG, Ziteng;LIANG, Yixin;MA, Hongjun;WANG, Xiujuan;WANG, Yan;YUAN, Xinzhen;ZHANG, Xueqin;ZHAO, Mufeng~

2022/00385 ~ Complete ~54:A METHOD FOR RAPID DEHYDRATION OF FRESH JELLYFISH ~71:YELLOW SEA FISHERIES RESEARCH INSTITUTE, CHINESE ACADEMY OF FISHERY SCIENCES, 106 Nanjing Road, Shinan District, Qingdao City, People's Republic of China ~72: CAO, Rong;LIU, Qi;SUN, Huihui;WEN, Jinli;ZHAO, Ling~

2022/00405 ~ Complete ~54:OXAZEPINONE DERIVATIVE, INSECTICIDE FOR AGRICULTURAL AND HORTICULTURAL USE CONTAINING SAID DERIVATIVE, AND METHOD FOR USING SAME ~71:NIHON NOHYAKU CO., LTD., 19-8, Kyobashi 1-chome Chuo-ku, Tokyo, 1048386, Japan ~72: HIROKO SATO;MASATAKA AOSHIMA;NOBUYUKI HAYASHI;YOSHINORI GOSHO~ 33:JP ~31:2019-147693 ~32:09/08/2019;33:JP ~31:2019-231507 ~32:23/12/2019

2022/00407 ~ Complete ~54:PROCESSES FOR PREPARING PLASMA KALLIKREIN INHIBITORS ~71:ACTIVESITE PHARMACEUTICALS, INC., 187 Magellan Avenue, San Francisco, United States of America;REZOLUTE, INC., 201 Redwood Shores Pkwy, Suite 315, United States of America ~72: BHAT, Ganapati;CHILCOTE, Tamie;KRISHNAN, Baburaj;MALIK, Vineet;SINHA, Sukanto~ 33:US ~31:62/871,526 ~32:08/07/2019

2022/00353 ~ Complete ~54:METAL SURFACE HEAT TREATMENT DEVICE ~71:Liaocheng University, No. 1, Hunan Road, Dongchangfu District, Liaocheng City, Shandong Province, 252000, People's Republic of China ~72: YIN, Yibin~

2022/00393 ~ Complete ~54:ENCRYPTED IMAGE RESTORATION-BASED MEDICAL IMAGE PRIVACY PROTECTION METHOD ~71:SHANGHAI HEALTH MEDICAL COLLEGE, Shanghai Health Medical College, 279 Zhouzhu Road, Pudong New Area, Shanghai, 200135, People's Republic of China ~72: CHEN, Lifan;KONG, Ping;LI, An;WANG, Hongjie;WU, Tao;ZHANG, Jianqing;ZHOU, Liang;ZHOU, Yanli~

2022/00366 ~ Complete ~54:METHOD AND DEVICE FOR EACH SPEED SEGMENT OF SCANNING WORKING TABLE TO PERFORM LASER DIRECT WRITING ON BINARY PATTERN ~71:Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao District, Qingdao City, Shandong Province, 266590, People's Republic of China ~72: DONG, Junfeng;ZHANG, Shan;ZHANG, Shuqing~

2022/00382 ~ Complete ~54:STROKE REHABILITATION TRAINING SYSTEM BASED ON MIND-CONTROLLED POWERED EXOSKELETON ~71:JINAN SHIMENG SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., Room 1-301, Building 1, Block A4, Poly Center, Huaiyin District, Jinan City, People's

Republic of China;QILU HOSPITAL, CHEELOO COLEGE OF MEDCINE, SHANDONG UNVERSITY, No. 107, Wenhuxi Road, Jinan, People's Republic of China;QILU UNIVERSITY OF TECHNOLOGY, No. 3501, Daxue Road, Changqing District, People's Republic of China ~72: DING, Xu;DONG, Gege;LI, Jincheng;LIU, Ming;WANG, Chongfeng;XU, Fangzhou;YAN, Yihao;YUE, Shouwei;ZHANG, Yang;ZHAO, Jinzhao~ 33:CN ~31:202120138447.0 ~32:19/01/2021

2022/00390 ~ Complete ~54:DICHLORPHENAMIDE COMPOSITIONS AND METHODS OF USE ~71:STRONGBRIDGE DUBLIN LIMITED, 900 Northbrook Drive, Suite 200, Trevoze, United States of America ~72: COHEN, Fredric~ 33:US ~31:62/863,125 ~32:18/06/2019

2022/00399 ~ Complete ~54:CARRIER ROLLERS FOR CONVEYOR BELT SYSTEMS ~71:thyssenkrupp AG, ThyssenKrupp Allee 1, ESSEN 45143, GERMANY, Germany;thyssenkrupp Industrial Solutions AG, ThyssenKrupp Allee 1, ESSEN 45143, GERMANY, Germany ~72: EICHLER, Rüdiger;HOFMANN, Bastian;MICHAELI, Gerhard;RAAZ, Viktor;SCHMITT, Martin~ 33:DE ~31:10 2019 208 488.5 ~32:12/06/2019

2022/00401 ~ Complete ~54:SAPONIN DERIVATIVES WITH IMPROVED THERAPEUTIC WINDOW ~71:Charité - Universitätsmedizin Berlin, Charitéplatz 1, BERLIN 10117, GERMANY, Germany;Sapreme Technologies B.V., Professor Bronkhorstlaan 10 G 92, MB BILTHOVEN 3723, THE NETHERLANDS, Netherlands ~72: FUCHS, Hendrik;HERMANS, Guy;POSTEL, Ruben~ 33:NL ~31:2023568 ~32:25/07/2019;33:IB ~31:2019/084210 ~32:09/12/2019;33:IB ~31:2019/084290 ~32:09/12/2019;33:IB ~31:2019/084292 ~32:09/12/2019;33:NL ~31:2025904 ~32:24/06/2020

2022/00408 ~ Complete ~54:AN IMPROVED CLOG-FREE CONDENSATION SYSTEM FOR PYROLYSIS VAPOUR OF PET CONTAINING POLYMER ~71:DIXIT, Suhas, Agile Process Chemicals LLP, B-315, Shree Nand Dham, Plot No. 59, Sector-11, Cbd Belapur, India ~72: DIXIT, Suhas~ 33:IN ~31:201921023312 ~32:12/06/2019

2022/00357 ~ Complete ~54:A BIOMARKER RELATED TO ASTHMA AND ITS APPLICATION ~71:The Affiliated Changzhou No.2 People's Hospital of Nanjing Medical University, #68 Gehu Road, Wujin District, Changzhou City, Jiangsu Province, 213164, People's Republic of China ~72: Qian Zhang~

2022/00380 ~ Complete ~54:A HANDOVER DECISION SYSTEM AND METHOD FOR NEXT GENERATION ~71:BANSAL, Payal, G 302, Unique Tower, Jagatpura, India;DONGRE, Manoj, A1303, Maruti Paradise, Sector - 15, India;JADHAV, Vaishali Satish, Sadguru Apartment, A-103, Plot -24/25, Sector-24, TurbheNavi, India;KADAM, Sujata, B-403, Suyog Samuh CHS, Plot no. 41 to 44, Sector 8, Sanpada, Navi, India;KOLEKAR, Uttam, A.P.Shah College of Engineering, Survey no. 12,opp. To hypercity Mall, Kasarvadavali, Thane, India;MUKHEDKAR, Moresh, Flat no. 5, Wing C-2, Shivthirtnagar, Rahatani, India;SAPKALE, Pallavi Vasant, Flat no. A/703, Pragati Heights, Sector-34, India ~72: BANSAL, Payal;DONGRE, Manoj Kadam, Sujata;JADHAV, Vaishali Satish;KOLEKAR, Uttam;MUKHEDKAR, Moresh;SAPKALE, Pallavi Vasant~

2022/00394 ~ Complete ~54:INTEGRATED SYSTEM FOR BIOCATALYTICALLY PRODUCING AND RECOVERING AN ORGANIC SUBSTANCE ~71:DELFT ADVANCED BIOFUELS B.V., Alexander Fleminglaan 1, Netherlands ~72: KERSTE, Robbie Wouter Hendrikus;OUDSHOORN, Arjan;STEINBUSCH, Kirsten Johanna Josephine;WOOLNER, David James Relph~ 33:EP ~31:19187100.3 ~32:18/07/2019

2022/00381 ~ Complete ~54:EMBEDDED GATEWAY FOR FLAME DETECTION USING YOLOV5 AND OPENVINO AND DEPLOYMENT METHOD THEREOF ~71:JINAN SHIMENG SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., Room 1-301, Building 1, Block A4, Poly Center, Huaiyin District, Jinan City, People's Republic of China;QILU UNIVERSITY OF TECHNOLOGY, No. 3501, Daxue Road, Changqing District, People's Republic of China ~72: CHEN, Xinyi;DING, Xu;LENG, Jiancai;LI, Han;WANG, Yuandong;YANG, Qingbo;YU, Xin;ZHU, Jianqun~ 33:CN ~31:202110065705.1 ~32:19/01/2021

2022/00386 ~ Complete ~54:A SELF-LEVELING SINGLE AXLE DUMP TRUCK ~71:LIEBHERR MINING EQUIPMENT NEWPORT NEWS CO., 4100 Chestnut Avenue, United States of America ~72: BATES, Hunter;BROWN, Joshua~ 33:US ~31:62/859,984 ~32:11/06/2019;33:US ~31:62/953,164 ~32:23/12/2019

2022/00406 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING AN IMMUNODEFICIENCY VIRUS INFECTION WITH A THERAPEUTIC INTERFERING PARTICLE ~71:THE J. DAVID GLADSTONE INSTITUTES, A TESTAMENTARY TRUST ESTABLISHED UNDER THE WILL OF J. DAVID GLADSTONE, 1650 Owens Street, San Francisco, California, 94158, United States of America ~72: ELIZABETH TANNER;LEOR S WEINBERGER;SEUNG-YONG JUNG~ 33:US ~31:62/861,723 ~32:14/06/2019

2022/00610 ~ Provisional ~54:SELF ALIGNED HAND OPERATED,SLIDING WASHING MACHINE MULTIPURPOSE WASHING MACHINE ~71:Jan Willem Van Staden, 323 19th Avenue Villieria,, South Africa ~72: Jan Willem Van Staden~

2022/00355 ~ Complete ~54:CRAYFISH DRIED MEAT FLOSS AND PREPARATION METHOD THEREOF ~71:Guangzhou City Polytechnic, 248 Guangyuan Road, Baiyun district, Guangzhou city, Guangdong province, People's Republic of China ~72: Huang Lihua;Xun Tiejun~

2022/00375 ~ Complete ~54:DYNAMIC COMPENSATION DEVICE FOR HANDHELD LASER CLEANING ~71:Qingdao University of Technology, Qingdao University of Technology, No.777, Jialingjiang Road, Huangdao District , Qingdao City, Shandong Province , 266000, People's Republic of China ~72: DONG, Hao;HAN, Suli;LI, Zhuo;SHAO, Jing;SUN, Shufeng;WANG, Yingming~

2022/00383 ~ Complete ~54:BASKETBALL STAND ~71:LINYI UNIVERSITY, Middle Section of Shuangling Road, Lanshan District, Linyi City, People's Republic of China ~72: ZHANG, Jie~

2022/00387 ~ Complete ~54:COMPOSITIONS AND METHODS FOR CANCER IMMUNOTHERAPY ~71:ALKERMES PHARMA IRELAND LIMITED, Connaught House 1 Burlington Road, Ireland ~72: LOSEY, Heather C.;SUN, Lei~ 33:US ~31:62/860,182 ~32:11/06/2019;33:US ~31:62/924,356 ~32:22/10/2019;33:US ~31:62/932,160 ~32:07/11/2019

2022/00398 ~ Complete ~54:ROASTING APPARATUS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BRIGANTE, Stuart;CECCAROLI, Stefano;DUBIEF, Flavien Florent;GUREVITCH-BEACOCK, Paul;MARTIN, Vincent~ 33:EP ~31:19180787.4 ~32:18/06/2019

2022/00410 ~ Complete ~54:TASIMELTEON USE IN TREATING SLEEP ABERRATIONSJMK ~71:VANDA PHARMACEUTICALS INC., 2200 Pennsylvania Ave NW, Suite 300-E., United States of America ~72: POLYMERPOULOS, Mihael;SMIESZEK, Sandra~ 33:US ~31:62/868,881 ~32:29/06/2019

2022/00362 ~ Complete ~54:PREPARATION AND APPLICATION OF PTIR ALLOY AND TIO2 COATED GRAPHENE COMPOSITE MATERIAL ~71:Beijing Institute of Petrochemical Technology, No.19 Qingyuan North Road, Huangcun, Daxing District, Beijing, People's Republic of China ~72: Ma Haoran;Song Huanqiao;Sun Yanlei;Zhang Shixin~ 33:CN ~31:202110625458.6 ~32:04/06/2021

2022/00367 ~ Complete ~54:INTERFACE REGULATION METHOD FOR FLOTATION SEPARATION OF COPPER-MOLYBDENUM MIXED CONCENTRATE ~71:Guangxi University, NO. 100 Daxue east road, Nanning, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Chen Jianhua~

2022/00372 ~ Complete ~54:EQUAL-STRENGTH BEAM PIEZOELECTRIC VIBRATION ENERGY COLLECTOR
~71:Anhui University of Science and Technology, No. 168 Taifeng Road, Huainan City, Anhui Province, 232001,
People's Republic of China ~72: Jiang Yuanyuan;Liu Yanbin;Xin Yuanfang~

2022/00384 ~ Complete ~54:ANTI-CRACKING AGENT FOR FRUITS AND APPLICATION THEREOF
~71:FENG, Xiaocun, 32-1-204, No.167 Baifu Road, Xifu Town Street, Chengyang District, Qingdao City, People's
Republic of China ~72: FENG, Xiaocun~ 33:CN ~31:202111332381.X ~32:11/11/2021;33:CN
~31:202111356903.X ~32:16/11/2021

2022/00388 ~ Complete ~54:COMPOSITIONS AND METHODS FOR SUBCUTANEOUS ADMINISTRATION OF
CANCER IMMUNOTHERAPY ~71:ALKERMES PHARMA IRELAND LIMITED, Connaught House 1 Burlington
Road, Ireland ~72: LOPES, Jared;LOSEY, Heather C.;SUN, Lei;WINQUIST, Raymond J.~ 33:US
~31:62/860,182 ~32:11/06/2019;33:US ~31:62/924,356 ~32:22/10/2019;33:US ~31:62/932,160
~32:07/11/2019

2022/00411 ~ Complete ~54:N-FORMYLHYDROXYLAMINES AS NEPRILYSIN (NEP) INHIBITORS, IN
PARTICULAR AS MIXED AMINOPEPTIDASE N (APN) AND NEPRILYSIN (NEP) INHIBITORS
~71:PHARMALEADS, 11, rue Watt, France ~72: FOURNIE-ZALUSKI, Marie-Claude;PORAS,
Hervé;ROQUES, Bernard~ 33:FR ~31:1907537 ~32:05/07/2019

2022/00379 ~ Complete ~54:METHOD FOR ACCELERATING GERMINATION OF LARGE-SCALE SEEDLING-
CULTURING SEEDS OF PAEONIA SUFFRUTICOSA ANDR ~71:HUANG, Zhimin, No. 147, Qiming South Road,
Chanhe Huizu District, Luoyang City, Henan Province, 471002, People's Republic of China ~72: CUI, Liya;FU,
Xiao;HAN, Ningjing;HUANG, Zhimin;HUANG, Ziteng;LI, Wen;LIU, Bing;SHAO, Qingliang;ZHANG, Na;ZHAO, Lu~

2022/00395 ~ Complete ~54:CABLE BRACE SYSTEM ~71:MOBIUS TECHNOLOGIES, LLC, 251 Northwood
Way, Suite B, United States of America ~72: FLEMING, Darren~ 33:US ~31:16/436,786 ~32:10/06/2019

2022/00360 ~ Complete ~54:METHOD FOR CALCULATING FRACTURING PRODUCTIVITY OF COMPLEX
FRACTURE NETWORKS IN FRACTURED HORIZONTAL WELLS ~71:SHANDONG UNIVERSITY OF SCIENCE
AND TECHNOLOGY, No. 579 QianWangang Road, Huangdao District, Qingdao, Shandong, 266590, People's
Republic of China ~72: ZENG, Qingdong~ 33:CN ~31:202110070991.0 ~32:19/01/2021

2022/00373 ~ Complete ~54:FLOTATION METHOD FOR INTERFACE COMPLEXING ZINC SULFIDE ORES
~71:Guangxi University, Daxue east road 100, Nanning City,
Guangxi~160;Zhuang~160;Autonomous~160;Region, People's Republic of China ~72: Chen Jianhua~

2022/00402 ~ Complete ~54:NON-SEDATING DEXMEDETOMIDINE TREATMENT REGIMENS ~71:ARx, LLC,
400 Seaks Run Road, P.O. Box 100, GLEN ROCK 17327, PA, USA, United States of America;BioXcel
Therapeutics, Inc., 555 Long Wharf Drive, NEW HAVEN 06511, CT, USA, United States of America ~72:
BARNHART, Scott David;HANLEY, David Christian;KAKUMANU, Vasukumar;LATHIA, Chetan
Dalpatbhai;RAJACHANDRAN, Lavanya;RISINGER, Robert;YOCCA, Frank~ 33:US ~31:62/876,371
~32:19/07/2019;33:US ~31:62/877,056 ~32:22/07/2019;33:US ~31:62/943,022 ~32:03/12/2019;33:US
~31:62/963,769 ~32:21/01/2020;33:US ~31:62/970,411 ~32:05/02/2020;33:US ~31:62/977,554
~32:17/02/2020;33:US ~31:63/037,759 ~32:11/06/2020

2022/00409 ~ Complete ~54:CRYSTALLINE FORMS OF PLASMA KALLIKREIN INHIBITORS ~71:ACTIVESITE
PHARMACEUTICALS, INC., 187 Magellan Avenue, San Francisco, United States of America;REZOLUTE, INC.,
201 Redwood Shores Pkwy., Suite 315, United States of America ~72: CHILCOTE, Tamie;MARSHALL,
Jamie;NORTHEN, Julian Scott;SINHA, Sukanto~ 33:US ~31:62/871,517 ~32:08/07/2019

2022/00352 ~ Complete ~54:MODIFIED CELLULOSE NANOWHISKER, FIBER AND PREPARATION METHOD THEREOF ~71:Beijing Institute of Technology, No. 5, South Street, Zhongguancun, Haidian District, Beijing, 100081, People's Republic of China;Beijing North Century Cellulose Technology Development Co., Ltd., 27 Fahua Temple, Haidian District, Beijing, 100081, People's Republic of China;Chongqing Lihong Fine Chemicals Co., Ltd., No.6 Jiangxia Road, Nan'an District, Chongqing, 401336, People's Republic of China ~72: LI, Youqi;LIU, Yanhua;SHAO, Ziqiang;WANG, Feijun;WANG, Jianquan;XIA, Yinfeng;ZHOU, Yi~

- APPLIED ON 2022/01/10 -

2022/00418 ~ Complete ~54:NANO KIT AND PRIMERS FOR SIMULTANEOUSLY DETECTING BVDV-1, BVDV-2 AND BVDV-3 ~71:ANIMAL DISEASE PREVENTION AND CONTROL CENTER OF INNER MONGOLIA AUTONOMOUS REGION, NO.412, ZHAOWUDA ROAD, People's Republic of China;INNER MONGOLIA AGRICULTURAL UNIVERSITY, NO. 306, ZHAOWUDA ROAD, People's Republic of China ~72: PENG, XUESONG;WANG, JIANLONG;XIE, MENGYUAN;XU, XIAOJING;ZHOU, WEIGUANG~

2022/00443 ~ Complete ~54:INTELLIGENT STONE CUTTING SYSTEM BASED ON MACHINE VISION ~71:LIAOCHENG UNIVERSITY, No. 1, Hunan Road, Dongchangfu District, Liaocheng City, People's Republic of China ~72: SUN, Qun;XU, Lipeng;YANG, Kaidong;ZHANG, Laigang~

2022/00456 ~ Complete ~54:NOVEL NON-CODING HETEROCYCLIC AMINO ACIDS (NCHAA) AND THEIR USE AS HERBICIDES ~71:FORTEPHEST LTD., 3 Dan St., Ness Ziona, 7412102, Israel ~72: ALEX KOZAK;ISRAEL SHAPIRO~ 33:US ~31:62/860,045 ~32:11/06/2019

2022/00449 ~ Complete ~54:DEVICE FOR PREVENTING BEARING NYLON RETAINER FROM BEING DAMAGED DURING PRESS FITTING ~71:Shandong Daozhisheng Information Technology Co., Ltd., Building B3, Blue Zhigu, Jiankang East Street, High-tech Zone, Weifang City, Shandong Province, People's Republic of China ~72: Qianqian MOU;Xin YANG~ 33:CN ~31:2021100737906 ~32:20/01/2021

2022/00423 ~ Complete ~54:CONTROL METHOD FOR PUMPING LIQUID DISPLACEMENT OF DEFLECTING SECTION OF HORIZONTAL WELL ~71:CHONGQING UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO. 20, EAST UNIVERSITY TOWN ROAD, People's Republic of China ~72: CHANG, SHUAIYOU;JIAO, GUOYING;LI, MENGXIN;WANG, JUN;WANG, YANG;XU, JIANIAN;ZHANG, RUIXUE~ 33:CN ~31:202111611657.8 ~32:27/12/2021

2022/00445 ~ Complete ~54:METHOD OF MODIFYING POSITIVE ELECTRODE MATERIALS FOR LITHIUM-ION BATTERIES BY CO-PRECIPIATION ~71:LIAOCHENG UNIVERSITY, No. 1, Hunan Road, Dongchangfu District, Liaocheng City, People's Republic of China ~72: BAO, Chunjiang;GUO, Anfu;LIU, Changcun;TAO, Xiaodong;TIAN, Chongwang;WANG, Jin;XU, Lipeng;ZHOU, Xiaoyan~

2022/00465 ~ Complete ~54:CARDIAC SARCOMERE INHIBITOR ORAL FORMULATIONS ~71:Cytokinetics, Inc., 280 East Grand Avenue, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: QIAO, Chunsheng~ 33:US ~31:62/875,358 ~32:17/07/2019

2022/00416 ~ Provisional ~54:IN-CANAL HEARING AID ~71:DANIEL, Robert Rainey, 206 Peter Avenue, Linmeyer, South Africa ~72: DANIEL, Robert Rainey~

2022/00438 ~ Complete ~54:AN INTELLIGENT TRASH CAN ~71:Shanghai Maritime University, 1550 Haigang Avenue, Nanhui Xincheng Town, Pudong, Shanghai, People's Republic of China ~72: Bangping Gu;Guangnian Xiao;Mengying Yan;Yan Zhang;Yujie Shi~ 33:CN ~31:CN202111611539.7 ~32:27/12/2021

2022/00463 ~ Complete ~54:ROLLER MILL AND METHOD FOR OPERATING A ROLLER MILL
~71:thyssenkrupp Industrial Solutions AG, ThyssenKrupp Allee 1, ESSEN 45143, GERMANY, Germany ~72:
SCHROERS, Frank~ 33:DE ~31:10 2019 209 514.3 ~32:28/06/2019

2022/00426 ~ Complete ~54:METHOD FOR LOW-TEMPERATURE DYEING OF HIGH-PERFORMANCE FIBER
~71:Anqing Hanyi Information Technology Service Co., Ltd., Room 614, Block A, Greenland Zifeng Building,
Yingjiang District, Anqing City, Anhui Province, 246001, People's Republic of China;Wuhan Textile University,
No.1 Sunshine Avenue, Jiangxia District, Wuhan, Hubei Province, 430223, People's Republic of China ~72: CAO,
Genyang;GUO, Weiqi;LV, Xiaojing;PAN, Heng;SHAO, Xiru;SHENG, Dan;WANG, Yunli;XIA, Honghui;XIA,
Yahui;XU, Weilin~

2022/00434 ~ Complete ~54:INTELLIGENT CALCULATION METHOD, SYSTEM, EQUIPMENT AND MEDIUM
FOR APPEARANCE SIMILARITY OF TWO ENGLISH WORDS ~71:City College of Dongguan University of
Technology, 1st Wenchang Road, Liaobu Town, Dongguan City, Guangdong Province, People's Republic of
China;Dongguan Polytechnic, 3rd Daxue Road, Songshan Lake, Dongguan City, Guangdong Province, People's
Republic of China;Luo Jianfeng, 3rd Daxue Road, Songshan Lake, Dongguan City, Guangdong Province,
People's Republic of China;Ruan Chunyan, 1st Wenchang Road, Liaobu Town, Dongguan City, Guangdong
Province, People's Republic of China ~72: Luo Jianfeng;Ruan Chunyan~

2022/00448 ~ Complete ~54:THRUST SLIDING BEARING SUPPORTING MECHANISM OF VERTICAL MILL
REDUCER ~71:Shandong Daozhisheng Information Technology Co., Ltd., Building B3, Blue Zhigu, Jiankang East
Street, High-tech Zone, Weifang City, Shandong Province, People's Republic of China ~72: Qianqian MOU~
33:CN ~31:2021100738114 ~32:20/01/2021

2022/00430 ~ Complete ~54:DUAL-MODE SIMULTANEOUS FOCUSING META-LENS BASED ON PHASE
CHANGE MATERIAL THAT CAN BE DYNAMICALLY TUNED WITH ARBITRARY POLARIZATION
~71:Zhengzhou University of Aeronautics, NO.15 Wenyuan West Road, Zhengdong New District, Zhengzhou
City, Henan Province, People's Republic of China ~72: Ding Pei;Du Yinxiao;Tian Ximin;Xu Junwei;Xu Kun~
33:CN ~31:202111354808.6 ~32:16/11/2021

2022/00435 ~ Complete ~54:NUMERICAL CONTROL AUTOMATIC CONSTRUCTION DEVICE FOR LARGE-
SCALE GEOPHYSICAL EXPLORATION TEST ~71:Anhui University of Science And Technology, No.168,
Taifeng Street, Huainan City, Anhui Province, 232001, People's Republic of China ~72: Wang Xiaogang;Zhang
Pingsong~

2022/00453 ~ Complete ~54:AFFINITY CHROMATOGRAPHY-COUPLED NATIVE MASS SPECTROMETRY
FOR ANTIBODY ANALYSIS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road,
Tarrytown, United States of America ~72: WANG, Shunhai~ 33:US ~31:62/877,037 ~32:22/07/2019;33:US
~31:62/907,485 ~32:27/09/2019

2022/00457 ~ Complete ~54:METHOD AND DATA NETWORK FOR COMMUNICATING DATA CONTENT, IN
PARTICULAR IN AN ELEVATOR SYSTEM ~71:INVENTIO AG, Seestrasse 55, 6052, Hergiswil, Switzerland ~72:
ANDR#201; KRUMMENACHER;AXEL HOSEMAN~ 33:EP ~31:19185769.7 ~32:11/07/2019

2022/00466 ~ Complete ~54:GLYCOL BASED HEAT-TRANSFER FLUID COMPRISING ORGANIC
CARBOXYLIC ACID OR SALT THEREOF, METHODS FOR ITS PREPARATIONS AND USES THEREOF
~71:Arteco NV, Metropoolstraat 25, SCHOTEN 2900, BELGIUM, Belgium ~72: DE KIMPE, Jurgen P.;LIEVENS,
Serge~ 33:EP ~31:19193153.4 ~32:22/08/2019

2022/00417 ~ Provisional ~54:VIRTUAL INDUCTOR (REACTOR) FOR MITIGATING TRANSFORMER INRUSH CURRENT TRANSIENT EFFECTS AND HARMONICS ~71:Jacobus Johannes van der Merwe, 1060 Pierneef Street, Villieria,, South Africa ~72: Jacobus Johannes van der Merwe~

2022/00428 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE AROMATHERAPY PRODUCT FOR RELIEVING THE SYMPTOMS OF ALLERGIC RHINITIS ~71:Hospital of Chengdu University of Traditional Chinese Medicine, No. 39 of Shierqiao Road, Jinniu District, Chengdu, Sichuan Province, 610072, People's Republic of China ~72: Feng Shenglan;Jiang Mingjun;Jing Ran;Li Jiulin;Li Xinrong;Liu Yang;Zhang Hui;Zhang Jianfeng~

2022/00440 ~ Complete ~54:METHOD FOR PREPARING BLACK SOYABEAN TAR BASED ON SUPERCRITICAL CARBON DIOXIDE EXTRACTION ~71:Yulin University, No. 51 Chongwen Road, Yuyang District, Yulin City, Shaanxi Province, 719000, People's Republic of China ~72: DOU, Qingmei;LI, Chunshan;LI, Jiao;LI, Xiao;LI, Yuyu;LIU, Xiaojun;MA, Xiangrong;MA, Xiao;REN, Guoyu;WANG, Caiqin;ZHANG, Wan;ZHANG, Zhaohong;ZHOU, Xiong~

2022/00450 ~ Complete ~54:SYSTEM FOR RECOVERING ENTRAINED PARTICLES FROM AN EXHAUST GAS STREAM ~71:X ENERGY, LLC, SUITE 300, 801 THOMPSON AVENUE, ROCKVILLE, MARYLAND 20852, USA, United States of America ~72: KIM, Howard Taery~ 33:US ~31:16/442,156 ~32:14/06/2019

2022/00461 ~ Complete ~54:SYSTEM FOR ROASTING COFFEE BEANS ~71:Societ  des Produits Nestl  S.A., Avenue Nestl  55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CECCAROLI, Stefano;CELIS, Michiel Alexander;DEGREEF, Thomas;DUBIEF, Flavien Florent;LEMMENS, Rien Denise M.;MOREND, Jo ;VAN BAVINCHOVE, Christophe;VAN DYCK, Ben~ 33:EP ~31:19181452.4 ~32:20/06/2019;33:EP ~31:19216237.8 ~32:13/12/2019

2022/00424 ~ Complete ~54:DATA VERIFICATION SYSTEM ~71:VOSLOO, Gideon Andries, 1 Stirling Avenue, Hurlingham, Johannesburg, South Africa;VOSLOO, Rochelle Mahon, 1 Stirling Avenue, Hurlingham, Johannesburg, South Africa ~72: VOSLOO, Gideon Andries;VOSLOO, Rochelle Mahon~ 33:ZA ~31:2021/00733 ~32:03/02/2021

2022/00444 ~ Complete ~54:METHOD OF PREPARING LITHIUM-ION BATTERY PRECURSORS AND USE THEREOF ~71:LIAOCHENG UNIVERSITY, No. 1, Hunan Road, Dongchangfu District, Liaocheng City, People's Republic of China ~72: GUO, Anfu;LIU, Changcun;TAO, Xiaodong;TIAN, Chongwang;WANG, Jin;XU, Lipeng;ZHOU, Xiaoyan~

2022/00454 ~ Complete ~54:CD38-BINDING AGENTS AND USES THEREOF ~71:KLEO PHARMACEUTICALS, INC., 25 Science Park, Suite 2D 150 Munson Street, United States of America ~72: BERBASOVA, Tetyana;BUNIN, Anna;RASTELLI, Luca;ROSSI, Ann, Marie, K.;WELSCH, Matthew, Ernest~ 33:US ~31:62/870,633 ~32:03/07/2019;33:US ~31:62/951,765 ~32:20/12/2019

2022/00432 ~ Complete ~54:METHOD FOR PREPARING NANOCRYSTALLINE VANADIUM NITRIDE POWDER ~71:Shanghai University, No. 99, Shangda Road, Baoshan District, Shanghai , 200444, People's Republic of China ~72: BU, Naijing;LI, Rong;XIAO, Nan;ZHEN, Qiang;ZHENG, Feng~

2022/00413 ~ Provisional ~54:TOUCHLESS INTELLIGENT KEYPAD ~71:BATUNGILA KABUIKA, 205, SANTENAY ,62 SAINT GEORGES STREET, BELLEVUE, South Africa ~72: BATUNGILA KABUIKA~

2022/00414 ~ Provisional ~54:ROCK ANCHOR ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2022/00436 ~ Complete ~54:DYNAMIC SEALING DEVICE FOR THE SHAFT END OF GEARBOX ~71:Zheng Zhou Research Institute of Mechanical Engineering CO.,LTD., No.149 Science Avenue, Hi-Tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: Hongyan, Zhao;Jing, Wu;Jiqiang, Li;Lubing, Shi;Shidang, Yan;Weiwei, Miao;Youhua, Li;Zhongming, Liu~ 33:CN ~31:202111532680.8 ~32:15/12/2021

2022/00459 ~ Complete ~54:ATTENUATED DENGUE VIRUSES ~71:CODAGENIX INC., 3 Bioscience Park Drive Building II, Suite 501, Farmingdale, New York, 11735, United States of America ~72: CHARLES STAUFF;JOHN ROBERT COLEMAN;STEFFEN MUELLER;YING WANG~ 33:US ~31:62/866,477 ~32:25/06/2019

2022/00467 ~ Complete ~54:PEGYLATED CYSTATHIONINE BETA SYNTHASE FOR ENZYME THERAPY FOR TREATMENT OF HOMOCYSTINURIA ~71:The Regents of the University of Colorado, a Body Corporate, 1800 Grant Street, 8th Floor, DENVER 80203, CO, USA, United States of America;Traverse Therapeutics Switzerland GmbH, Zentrum Sonnenhof, Zürcherstrasse 6, RAPPERSWIL-JONA 8640, SWITZERLAND, Switzerland ~72: BUBLIL, Erez;CAUSEVIC, Orhan;GLAVIN, Frank;KRAUS (Deceased), Jan P.;MAJTAN, Tomas;SELLOS-MOURA, Marcia;WANNER, Randy~ 33:US ~31:62/866,810 ~32:26/06/2019;33:US ~31:62/983,860 ~32:02/03/2020

2022/00425 ~ Complete ~54:HEAT DISSIPATING STRUCTURE FOR COMPUTERS ~71:ZHENGZHOU UNIVERSITY OF AERONAUTICS, NO.2, DAXUE MIDDLE ROAD, People's Republic of China ~72: LI, QINGXIU~ 33:CN ~31:202111250372.6 ~32:26/10/2021

2022/00447 ~ Complete ~54:A SYSTEM FOR INVESTIGATING THE ROLE AND IMPACT OF CLOUD COMPUTING SYSTEM ~71:DHAMIJA, Deepika, Amity College of Commerce, Amity University, India;GARG, Rachit, NMIMS Mumbai, India;GUPTA, Suresh Chand, Panipat Institute of Engineering and Technology, Panipat, India;KAUR, Amrinder, Department of Computer Science & Applications, M. D. University, Rohtak, India;KUMAR, Jitendra, Panipat Institute of Engineering and Technology Panipat, India;SAINI, Sunil, Panipat Institute of Engineering and Technology, Panipat, India;WADHAWAN, Savita, MMICTBM, Maharishi Markandeshwar University, Mullana, India ~72: DHAMIJA, Deepika;GARG, Rachit;GUPTA, Suresh Chand;KAUR, Amrinder;KUMAR, Jitendra;SAINI, Sunil;WADHAWAN, Savita~

2022/00420 ~ Complete ~54:SOLID-LIQUID SEPARATION DEVICE FOR AZORHIZOBIUM MICROBIAL INOCULUM ~71:INSTITUTE OF INDUSTRIAL CROPS, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO.368 XUEFU ROAD, People's Republic of China ~72: YAO, YUBO~

2022/00439 ~ Complete ~54:NOVEL THREE-DIMENSIONAL SELF-RESETTING FRICTION SLIDING SEISMIC ISOLATOR ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: SUI, Jieying~

2022/00433 ~ Complete ~54:TANK CALCINER HIGH TEMPERATURE POST-CALCINER MULTI-STAGE TANDEM FINNED COOLING DEVICE ~71:Shandong University of Technology, Room 313, Block A, Gaochuang Park, High-tech Development Zone, Zibo City, Shandong Province, 255086, People's Republic of China ~72: HU JINGBIN;LV JINSHENG;QIU CHENXI;SHEN YINGKAI;SHI JUNRUI;SUN PENG;WANG YOUTANG;ZHANG ZHONGLIANG;ZHENG BIN~

2022/00464 ~ Complete ~54:METHODS OF TREATING OR PREVENTING SPINAL MUSCULAR ATROPHY ~71:Biogen MA Inc., 225 Binney Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: BAI, Fengju Judy;EAST, Lilly;FARWELL, Wildon R.;LOVEDAY, Kenneth Swope~ 33:US ~31:62/876,360 ~32:19/07/2019

2022/00415 ~ Provisional ~54:FINGERPRINT FORENSICS ~71:FRYER, Peter Lee, Stonehill Office Park, Wapadrand, South Africa ~72: FRYER, Peter Lee~

2022/00437 ~ Complete ~54:RECONFIGURABLE META-SURFACE INVISIBILITY CLOAK BASED ON PHASE CHANGE MATERIAL GE2SB2TE5 ~71:Zhengzhou University of Aeronautics, NO.15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, People's Republic of China ~72: Ding Pei;Du Yinxiao;Tian Ximin;Xu Junwei;Xu Kun~ 33:CN ~31:202110028835.8 ~32:11/01/2021

2022/00460 ~ Complete ~54:POLYMORPHS OF A MACROCYCLIC KINASE INHIBITOR ~71:TURNING POINT THERAPEUTICS, INC., 10628 Science Center Drive, Ste. 200, San Diego, California, 92121, United States of America ~72: EVAN W ROGERS;HAN ZHANG;JING LIU;WEI DENG;YUELIE LU~ 33:US ~31:62/863,493 ~32:19/06/2019;33:US ~31:62/959,940 ~32:11/01/2020;33:US ~31:63/036,102 ~32:08/06/2020

2022/00421 ~ Complete ~54:COLD REGION BREEDING GOOSE REPRODUCTION REGULATING TECHNICAL METHOD (OPEN HOUSE) ~71:HEILONGJIANG VOCATIONAL COLLEGE OF BIOLOGY SCIENCE AND TECHNOLOGY, NO. 2, QUNYING STREET, People's Republic of China;INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: LI, MANYU;LIU, GUOJUN;SUN, JINYAN;WANG, YAN;ZHAO, XIUHUA~

2022/00431 ~ Complete ~54:METHOD FOR PREPARING HEAT STORAGE CONCRETE BY USING SMELTING STEEL SLAG ~71:Jiangsu Vocational Institute of Architectural Technology, 26 Xueyuan Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: FANG, Jianbang;LIN, Lijuan;LIU, Wei;MIAO, Zhengkun;TIAN, Guohua;WANG, Guoan~

2022/00452 ~ Complete ~54:METHODS FOR TREATING OR PREVENTING ASTHMA BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America;SANOFI BIOTECHNOLOGY, 54 rue la Boë#233;tie, France ~72: AMIN, Nikhil;GRAHAM, Neil;HAREL, Sivan;STAUDINGER, Heribert;TEPER, Ariel~ 33:US ~31:62/874,747 ~32:16/07/2019;33:US ~31:62/877,031 ~32:22/07/2019;33:US ~31:63/004,084 ~32:02/04/2020;33:EP ~31:20315237.6 ~32:07/05/2020

2022/00455 ~ Complete ~54:SAMPLE IDENTIFICATION FOR INTRA BLOCK COPY IN VIDEO CODING ~71:BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District,, Beijing, 100041, People's Republic of China;BYTEDANCE INC., 12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California, 90066, United States of America ~72: HONGBIN LIU;JIZHENG XU;KAI ZHANG;LI ZHANG;YUE WANG~ 33:CN ~31:PCT/CN2019/095504 ~32:10/07/2019

2022/00441 ~ Complete ~54:SQL STATEMENT GENERATOR ~71:Sage Global Services Limited, C23 - 5 & 6 Cobalt Park Way, Cobalt Park, NEWCASTLE UPON TYNE NE28 9EJ, UNITED KINGDOM, United Kingdom ~72: JOUHIER, Bruno Claude Jean-Marie~ 33:EP ~31:21151432.8 ~32:13/01/2021

2022/00427 ~ Complete ~54:METHOD AND SYSTEM FOR IDENTIFYING STRATIGRAPHIC RHYTHM ~71:Henan University, 85 Minglun Street, Kaifeng City, Henan Province, 475001, People's Republic of China ~72: GU, Lei;LI, Chengxi;LIU, Dexin;MA, Jianhua;WEI, Yafei;WU, Pengfei~

2022/00462 ~ Complete ~54:PROCESS FOR PRODUCING A SOLUTION OF AMMONIUM CARBAMATE ~71:A.Y. Laboratories Ltd., 8 Beerli Street, TEL AVIV 6468208, ISRAEL, Israel ~72: BARAK, Ayala~ 33:US ~31:62/871,412 ~32:08/07/2019

2022/00468 ~ Complete ~54:HPK1 INHIBITORS AND USES THEREOF ~71:QiLu Regor Therapeutics Inc., Building 10, No. 1206, Zhangjiang Road, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: FENG, Song;HUANG, Wei;LIU, Hao;LIU, Rongqiang;WEN, Kate Xin;WU, Lei;ZHONG, Wenge;ZHOU, Hua;ZHU, Xiaotian~ 33:IB ~31:2019/094634 ~32:04/07/2019

2022/00429 ~ Complete ~54:PORTABLE COLLECTING DEVICE FOR FIELD COLLECTION OF FRUITING BODY OF MACRO FUNGI ~71:Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, 8 Jiangwangmiao Street, Nanjing, Jiangsu Province, People's Republic of China ~72: Ge Xiaomin;Hu Yaping;Wang Le;Wu Yanqing~

2022/00451 ~ Complete ~54:NOVEL ANTIBODIES SPECIFIC FOR CTHRC1 AND USE THEREOF ~71:PRESTIGE BIOPHARMA PTE. LTD., 2 SCIENCE PARK DRIVE, #04-13/14 ASCENT TOWER B, SINGAPORE SCIENCE PARK, SINGAPORE 118222, SINGAPORE, Singapore ~72: KANG, Min Kyung;KOH, Sang Seok;PARK, So Yeon~ 33:KR ~31:10-2019-0070048 ~32:13/06/2019

2022/00458 ~ Complete ~54:MAINTENANCE DRAWER FOR AN ELECTRICAL DISTRIBUTION SWITCHBOARD ~71:LECTRICITÉ DE FRANCE, 22-30, avenue de Wagram, 75008, Paris, France ~72: ANTOINE GALASSO;JEAN-YVES RICHARD MOUNIER;LAURENT BANET~ 33:FR ~31:1906977 ~32:26/06/2019

2022/00419 ~ Complete ~54:DRUG APPLICATION DEVICE FOR PREVENTION AND CONTROL OF SOYBEAN ROOT ROT ~71:INSTITUTE OF INDUSTRIAL CROPS, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO.368 XUEFU ROAD, People's Republic of China ~72: YAO, YUBO~

2022/00442 ~ Complete ~54:MONGOLIAN MEDICINE COMPOSITION FOR TREATING RENAL INSUFFICIENCY ~71:BAGEN, NO. 187, NADAM WEST STREET, People's Republic of China ~72: BAGEN~

2022/00422 ~ Complete ~54:FOUR-STAGE TYPE LINEAR FATTENING FEEDING TECHNIQUE FOR PRODUCING SNOW BEEF ~71:INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China ~72: BU, YE;LIU, LI;MENG, XIANGREN;SUN, FANG;XU, SHANSHAN;ZHANG, YU;ZHAO, XIAOCHUAN~

2022/00446 ~ Complete ~54:LOCKED NUCLEIC ACID PROBE-BASED FLUORESCENCE QUANTITATIVE PCR COMPOSITION FOR PORCINE EPIDEMIC DIARRHEA VIRUS AND DETECTION METHOD ~71:GUANGZHOU SINO-SCIENCE GENE TESTING SERVICE CO., LTD., No. 6, Xinrui Road, Huangpu District, Guangzhou, People's Republic of China;INSTITUTE OF ANIMAL HEALTH, GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES, Baishigang Street, Wushan, Tianhe District, Guangzhou, People's Republic of China;ZIJIN CENTER FOR ANIMAL DISEASE PREVENTION AND CONTROL, No. 12, Yanjiang Middle Road, Zijin County, Heyuan City, People's Republic of China ~72: BIAN, Zhibiao;CAI, Rujian;CHEN, Shengnan;CHU, Pinpin;DU, Liyin;GOU, Hongchao;LI, Chunling;LI, Yan;ZHANG, Jianfeng~

- APPLIED ON 2022/01/11 -

2022/00480 ~ Complete ~54:PROCESS FOR LEACHING GOLD FROM GOLD CONCENTRATE CONTAINING SULFUR AND ARSENIC BY SELF-COORDINATION DISSOLUTION OF GOLD AND SULFUR ~71:Zhengzhou University, No. 100, Science Avenue, High-tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: LI, Ronggai;SONG, Xiangyu;WANG, Junyu;WANG, Wen;XU, Laifu;ZHAI, Xiaochen;ZHANG, Hongtao;ZHANG, Zhen~

2022/00496 ~ Complete ~54:METAL GRID STRETCHABLE TRANSPARENT ELECTRODE FOR SHELL-CORE STRUCTURE, PREPARATION METHOD THEREFOR, AND APPLICATION ~71:QINGDAO UNIVERSITY OF

TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: LAN, Hongbo;LI, Hongke;SUN, Luanfa;ZHANG, Houchao;ZHU, Xiaoyang~

2022/00512 ~ Complete ~54:COMPOSITIONS FOR OPHTHALMOLOGIC DEVICES ~71:Johnson & Johnson Vision Care, Inc., 7500 Centurion Parkway, JACKSONVILLE 32256, FL, USA, United States of America ~72: NEELY, Frank;RIEDERER, Donald;WEGRZYN, Jeffrey~ 33:US ~31:63/136,370 ~32:12/01/2021

2022/00477 ~ Complete ~54:VERTICAL ALN SCHOTTKY DIODE BASED ON FIELD PLATE STRUCTURE AND MANUFACTURING METHOD THEREOF ~71:Xidian University, No. 2 South Taibai Road, Xi'an, Shaanxi, 710071, People's Republic of China ~72: Jincheng Zhang;Shenglei Zhao;Shengrui Xu;Shuang Liu;Xiufeng Song;Yue Hao;Zhihong Liu~

2022/00511 ~ Complete ~54:RING-FUSED THIAZOLINO 2-PYRIDONES, METHODS FOR PREPARATION THEREOF AND THEIR USE IN THE TREATMENT AND/OR PREVENTION OF TUBERCULOSIS ~71:QureTech Bio AB, Tvistevägen 48C, UMEÅ 907 36, SWEDEN, Sweden;Washington University in Saint Louis, One Brookings Drive, ST. LOUIS 63130, MO, USA, United States of America ~72: ALMQVIST, Fredrik;FLENTIE, Kelly;GOOD, James Arthur Dudley;PONTÉN, Fritiof;STALLINGS, Christina L.~ 33:US ~31:62/319,838 ~32:08/04/2016

2022/00522 ~ Complete ~54:FLUID CATALYTIC CRACKING PROCESSES AND APPARATUS ~71:Lummus Technology LLC, 5825 North Sam Houston Parkway West, Suite 600, HOUSTON 77086, TX, USA, United States of America ~72: CHEN, Liang;LIU, Zan;LOEZOS, Peter;MARRI, Rama Rao;TOMSULA, Bryan~ 33:US ~31:62/869,748 ~32:02/07/2019

2022/00537 ~ Complete ~54:SAMPLE PADDING IN ADAPTIVE LOOP FILTERING ~71:BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., Room B-0035, 2/F, No. 3 Building No. 30, Shixing Road, Shijingshan District, Beijing, 100041, People's Republic of China;BYTEDANCE INC., 12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California, 90066, United States of America ~72: HONGBIN LIU;KAI ZHANG;LI ZHANG;YUE WANG~ 33:CN ~31:PCT/CN2019/095657 ~32:11/07/2019

2022/00474 ~ Complete ~54:ENVIRONMENT-FRIENDLY AND ENERGY-SAVING STREET LAMP ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: BO, Huifeng;LIN, Ye;LIU, Dongmei~

2022/00470 ~ Provisional ~54:A SYSTEM AND METHOD FOR ELIMINATING THE PROBABILITY OF AN INSURANCE CLAIM REPUDIATION. ~71:Tshepiso Selby Mofokeng, 09 Chert avenue Fleurhof, South Africa ~72: TSHEPISO SELBY MOFOKENG~

2022/00484 ~ Complete ~54:ARONIA MELANOCARPA EXTRACT FOR RESISTING INFLAMMATORY BOWEL DISEASE ~71:Jilin Agricultural University, No.2888, Xincheng Street, Nangan District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: Diao Zipeng;Ivan St&ve Nguepi Tsopmejo;Jin Zhouyu;Jing Bo;Li Meng;Li Yuting;Song Hui;Wei Jiali;Zhao Cong~

2022/00502 ~ Complete ~54:HINGE MECHANISM FOR DOORS AND WINDOWS ~71:Dongguan Jiasheng Hardware Industry Co., Ltd., 39 Jingfu West Road, Yangkengtang Village, Dalang Town, Dongguan City, Guangdong, 523788, People's Republic of China ~72: ZHANG, Bingli~

2022/00520 ~ Complete ~54:METHOD FOR PROCESSING COPPER-NICKEL SULFIDE MATERIALS ~71:Joint Stock Company "Kola GMK", Prompleshchadka KGMK Territory, MONCHEGORSK 184507, MURMANSKAYA OBL., RUSSIA, Russian Federation;Public Joint Stock Company "Mining and Metallurgical Company "Norilsk Nickel", ul. Morozova, d. 1, DUDINKA 647000, KRASNOYARSKY

KRAI, RUSSIA, Russian Federation ~72: DUBROVSKY, Vadim Lvovich;KHOMCHENKO, Oleg Aleksandrovich;ZATITSKY, Boris Eduardovich~ 33:RU ~31:2019121796 ~32:11/07/2019

2022/00534 ~ Complete ~54:EDIBLE MICROPLASTIC REMOVER AND APPLICATION THEREOF ~71:SOUTH CHINA AGRICULTURAL UNIVERSITY, Zhuang Yahong No. 483 Wushan Road, Tianhe District, Guangzhou, Guangdong, 510642, People's Republic of China ~72: FAN, Lanfen;HU, Caiping;LIANG, Bo;LIU, Shaoqun;QIN, Xiaoyi;YAN, Muting;YU, Wenlan;ZHENG, Peng;ZHENG, Xueyi~ 33:CN ~31:202010426328.5 ~32:19/05/2020

2022/00481 ~ Complete ~54:PROCESS FOR FLOTATION SEPARATION OF COPPER-MOLYBDENUM MIXED CONCENTRATE BY OXIDATION ~71:Zhengzhou University, No. 100, Science Avenue, High-tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: SONG, Xiangyu;WANG, Wen;XU, Laifu;ZHAI, Xiaochen;ZHANG, Hongtao;ZHANG, Zhen~

2022/00513 ~ Complete ~54:SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE ~71:JOINT INNOVATION TECHNOLOGY, LLC, 6537 Via Rosa, Boca Raton, Florida, 33433, United States of America ~72: ZAFER TERMANINI~ 33:US ~31:15/239,189 ~32:17/08/2016

2022/00529 ~ Complete ~54:POLYMORPHS OF (R)-N-(5-(5-ISOPROPYL-1,2,4-OXADIAZOL-3-YL)-2,3-DIHYDRO-1H-INDEN-1-YL)-2-METHYL-2H-TETRAZOLE-5-CARBOXAMIDE ~71:Cytokinetics, Inc., 280 East Grand Avenue, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: ANDERSEN, Denise;TOM, Norma~ 33:US ~31:62/875,355 ~32:17/07/2019

2022/00478 ~ Complete ~54:SOLID WASTE LARGE-MIXING-AMOUNT CONCRETE PREFABRICATED LAMINATED SLAB AND PREPARATION METHOD THEREOF ~71:CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO.,LTD, No. 905, Nandi West Road, Heping District, Shenyang City, Liaoning Province, 110000, People's Republic of China;China Construction Technology Group Co, Ltd., Block A, Chongxin Building, No. 13, Hangfeng Road, Xincun Street, Fengtai District, Beijing, 100195, People's Republic of China;China West Construction Building Materials Science Research Institute Co., Ltd., No. 10, Wenhua Road, Jiancha Street, Tianfu New District, Chengdu City, Sichuan Province, 610213, People's Republic of China;Northeastern University, No. 11, Lane 3, Wenhua Road, Heping District, Shenyang City, Liaoning Province, 110819, People's Republic of China;Shenyang University of Technology, No. 111, Shenliao West Road, Shenyang Economic and Technological Development Zone, Liaoning Province, 110870, People's Republic of China ~72: GAO, Yuxin;GU, Xiaowei;LI, Xiaohui;LI, Zhangmiao;LIU, Jianping;LIU, Peng;LIU, Qingdong;NING, Baokuan;WANG, Hao;ZHANG, Weifeng;ZHANG, Xinlong~

2022/00488 ~ Complete ~54:HIGH CORROSION RESISTANCE PPF CONCRETE AND ITS PREPARATION METHOD ~71:Shanghai Road and Bridge (Group) Co., Ltd., NO.36 Guoke Road, Yangpu District, Shanghai City, 200433, People's Republic of China ~72: Chen Bailiang;Chen Shijia;Li Di;Tu Zhiqin;Wang Hongguang;Wu Weijun;Xie Xiangyang;Yan Hongfei~

2022/00528 ~ Complete ~54:SYSTEM AND METHOD USING A FITNESS - GRADIENT BLOCKCHAIN CONSENSUS ~71:GUTIERREZ-SHERIS, Luis Eduardo, 40 Wellesley Road, GLEN ROCK 07452, NJ, USA, United States of America ~72: GUTIERREZ-SHERIS, Luis Eduardo~ 33:US ~31:62/861,086 ~32:13/06/2019

2022/00476 ~ Complete ~54:VERTICAL ALN SCHOTTKY DIODE BASED ON ION IMPLANTATION EDGE TERMINAL AND MANUFACTURING METHOD THEREOF ~71:Xidian University, No. 2 South Taibai Road, Xi'an, Shaanxi, 710071, People's Republic of China ~72: Chunfu Zhang;Jincheng Zhang;Shenglei Zhao;Shuang Liu;Xiufeng Song;Yue Hao;Zhihong Liu~

2022/00523 ~ Complete ~54:ANTI-NEW YORK ESOPHAGEAL SQUAMOUS CELL CARCINOMA 1 (NY-ESO-1) ANTIGEN-BINDING PROTEINS AND METHODS OF USE THEREOF ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, TARRYTOWN 10591, NY, USA, United States of America ~72: BRAY, Kevin A.;DELFINO, Frank;DILILLO, David;FRANKLIN, Matthew C.;KIRSHNER, Jessica;MACDONALD, Douglas~ 33:US ~31:62/870,232 ~32:03/07/2019;33:US ~31:63/020,177 ~32:05/05/2020;33:US ~31:63/021,826 ~32:08/05/2020

2022/00538 ~ Complete ~54:INDAZOLE DERIVATIVE, PREPARATION METHOD THEREFOR, AND PHARMACEUTICAL APPLICATION THEREOF ~71:JIANGSU HENGRUI MEDICINE CO., LTD., No. 7 Kuntunshan Road, Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China;SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., No. 279 Wenjing Road Minhang District, Shanghai, 200245, People's Republic of China ~72: FANGLONG YANG;FENG HE;JINGJING YAN;WEIKANG TAO;XIAO WU;XING FAN~ 33:CN ~31:201910530981.3 ~32:19/06/2019

2022/00539 ~ Complete ~54:COMPOSITION AND METHOD FOR INHIBITING TAU PROTEIN ACCUMULATION, AGGREGATION, AND TANGLE FORMATION ~71:INNOPEUTICS CORPORATION, 510 ho, (Seongsu-dong 2-ga, HausD Sejong Tower), 26, Seongsuil-ro 10-gil, Seongdong-gu, Seoul, 04793, Republic of Korea ~72: TAE GYUN KIM~ 33:KR ~31:10-2019-0115466 ~32:19/09/2019;33:KR ~31:10-2020-0106368 ~32:24/08/2020

2022/00485 ~ Complete ~54:PRIMER PROBE SET FOR HUMAN HISTAMINE RECEPTOR HRH1 MRNA DETECTION, KIT AND USE ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: JIANG, Xuehan;LIU, Yi;WANG, Jiping;WANG, Meijie;WU, Shandong;WU, Zhoujie;YANG, Xukai~ 33:CN ~31:202110891576.1 ~32:04/08/2021

2022/00503 ~ Complete ~54:VEST-TYPE CONVENIENT FIRST AID CLOTHING ~71:The Affiliated Hospital of Youjiang Medical University for Nationalities, No.18 Zhongshan 2nd Road, Youjiang District, Baise City, Guangxi Zhuang Autonomous Region, 533000, People's Republic of China ~72: Peng Hao~

2022/00519 ~ Complete ~54:PIPERIDINYL-METHYL-PURINEAMINES AS NSD2 INHIBITORS AND ANTI-CANCER AGENTS ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: DENG, Haibing;LIU, Jinbiao;OYANG, Counde;WANG, Ce;XIAO, Qitao;XUN, Guoliang;ZENG, Haiqiang~ 33:CN ~31:PCT/CN2019/100542 ~32:14/08/2019

2022/00535 ~ Complete ~54:HAIR STYLING DEVICE ~71:JAPHAM GROUP LIMITED, Woburn Court 2 Railton Road, Woburn Road Industrial Estate, Kempston, United Kingdom ~72: DEBENEDICTIS, Alfredo;HARRIS, Martin, Malcolm;HOLLAND, Janusz, Lucien;HUGHES, Mark Christopher;NELSON, James, Robert~

2022/00490 ~ Complete ~54:REAGENT FOR DETECTING EXPRESSION LEVEL OF HUMAN HISTAMINE RECEPTOR HRH4 MRNA, KIT AND USE ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: CAI, Weiyue;JIANG, Xuehan;LIU, Yi;WANG, Meijie;WU, Shandong;WU, Zhoujie;YANG, Xukai~ 33:CN ~31:202110890787.3 ~32:04/08/2021

2022/00542 ~ Complete ~54:COATED GRANULE, SOLID DISPERSION, AND PREPARATION CONTAINING VORTIOXETINE HYDROBROMIDE FOR ORAL TASTE MASKING ~71:SEASONS BIOTECHNOLOGY (TAIZHOU) CO. LTD., Room 213 Building 3, 618 Shifu Avenue West, Jiaojiang District Taizhou, Zhejiang, 318012, People's Republic of China ~72: CHANGHU CHU;FA HUANG;JINJIN YANG;QIANG JIA;RU WANG;TIANHUA MA;YANYUN HU;YOUNG WEI;YUNZHONG WANG~ 33:CN ~31:201910571194.3 ~32:04/09/2019

2022/00475 ~ Complete ~54:INDUCTIVE STREET LAMP ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: LIN, Ye;LIU, Dongmei;LIU, Tao~

2022/00507 ~ Complete ~54:PLUG-VALVE INTEGRATED PUMP OF DOUBLE-CYLINDER, DOUBLE-PLUG AND DOUBLE-ACTION VALVE TYPE ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: HE, Hongming;LI, Bo;LIU, Guoqiang;LIU, Xinfu;WU, Jianjun;ZHANG, Shousen~

2022/00524 ~ Complete ~54:HETEROCYCLIC COMPOUNDS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BENZ, Joerg;GOBBI, Luca;GRETHER, Uwe;HANLON, Steven Paul;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;KURATLI, Martin;LIU, Guofu;O'HARA, Fionn;RICHTER, Hans;RITTER, Martin~ 33:EP ~31:19198974.8 ~32:23/09/2019;33:IB ~31:2020/109184 ~32:14/08/2020

2022/00540 ~ Complete ~54:PROCESS AND SYSTEM FOR CONVEYING FRUIT AND VEGETABLES WITH AN ORIENTED STALK ~71:MAF AGROBOTIC, Impasse d'Athènes, ZAC Albasud II – Bardonies, 82000, Montauban, France ~72: PHILIPPE BLANC~ 33:FR ~31:FR1906611 ~32:19/06/2019

2022/00509 ~ Complete ~54:SHARED CONTROL METHOD FOR SERVICE ROBOT BASED ON ELECTROOCULAR SIGNAL INTENTION EXPRESSION ~71:Xi'an Technological University, No.2 Xuefuzhonglu Road, Weiyang District, Xi'an City, Shaanxi Province, 710021, People's Republic of China ~72: Lei Sun;Yan Cao~

2022/00521 ~ Complete ~54:WALL-BUILDING ELEMENT SYSTEM AND BUILDING ELEMENT FOR USE IN THE SYSTEM ~71:LAHTI, Frank Cato, Sandvikveien 5, VARDÖ 9950 , NORWAY, Norway ~72: LAHTI, Frank Cato~ 33:NO ~31:20190719 ~32:12/06/2019

2022/00473 ~ Provisional ~54:AUTOMATIC SENSOR DUSTBIN ~71:Madumetja Manamela, 1837 khoza street phomolong, South Africa ~72: Madumetja Manamela~

2022/00483 ~ Complete ~54:KIT FOR DETECTING DUST MITE COMPONENT-SPECIFIC ANTIBODIES ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: CAI, Weiyue;LEI, Wei;LIU, Yi;SHEN, Huahao;WANG, Yifei;WU, Shandong;WU, Zhoujie;XU, Puyang;XU, Suling;YANG, Xukai;ZHOU, Xiandong;ZHU, Mingzhi~ 33:CN ~31:202110409090.X ~32:16/04/2021

2022/00492 ~ Complete ~54:STRESS-RESISTANT AND HIGH-YIELD NUTRIENT SOLUTION FOR WHEAT AND ITS APPLICATION ~71:Henan Agricultural University, #15 Longzihu College District, Zhengzhou, Henan, 450046, People's Republic of China ~72: Duan Jian Zhao;Feng Wei;He Li;Li Xiao;Liu Bei Cheng~

2022/00500 ~ Complete ~54:BIONIC DRAG REDUCTION STRUCTURE FOR UNDERWATER VEHICLES AND SURFACE SHIPS ~71:Ocean University of China, No.238, Songling Road, Laoshan District, Qingdao, Shandong, 266100, People's Republic of China ~72: DU, Kailin;JIANG, Wantao;LI, Chaoyang;LI, Guihao;LI, Jing;WANG, Qiang;XIAO, Cong;ZHANG, Baocheng;ZHANG, Jing;ZHANG, Kaisheng;ZHANG, Yitong;ZHAO, Bo~

2022/00516 ~ Complete ~54:CORN STARCH FILM CONTAINING RUTIN COMPOSITE NANOPARTICLES AND PREPARATION METHOD THEREOF ~71:QINGDAO AGRICULTURAL UNIVERSITY, No. 700, Changcheng Road, Chengyang District, Qingdao City, People's Republic of China ~72: CHANG, Guijuan;DU, Dehong;JIANG, Wenli;ZHANG, Shuangling;ZHAO, Haiyan~

2022/00526 ~ Complete ~54:GRINDING MEANS FOR PRODUCING A GRINDING TOOL, GRINDING TOOL, AND METHOD FOR OPERATING SUCH A GRINDING TOOL ~71:August Rüggeberg GmbH & Co. KG, Hauptstrasse 13, MARIENHEIDE 51709, GERMANY, Germany ~72: MUNDRA, Henrik;PIECKENSTAINER, Thomas;VAN DER BURG, Christoph~

2022/00533 ~ Complete ~54:METHOD AND SYSTEM FOR GENERATING A CUTTING PLAN FOR A COMPLEX GLASS PRODUCT ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: VAN LANDEGHEM, Maxime~ 33:FR ~31:FR1908551 ~32:26/07/2019

2022/00541 ~ Complete ~54:ARYL-N-ARYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION ~71:ABIVAX, 5 rue de la Baume, 75008, Paris, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3 rue Michel Ange, 75794, Paris Cedex 16, France;INSTITUT CURIE, 26 rue d'Ulm, 75248, Paris Cedex 05, France;UNIVERSITE DE MONTPELLIER, 163 rue Auguste Broussonnet, 34090, Montpellier, France ~72: BRICE SAUTIER;CILE APOLIT;DIDIER SCHERRER;ELISA AZZALI;FLORENCE MAHUTEAU;FREDERIC LABEGUERE;JAMAL TAZI;JULIEN SANTO;NATACHA BIENVENU;ROMAIN NAJMAN~ 33:EP ~31:19305964.9 ~32:19/07/2019;33:EP ~31:20305004.2 ~32:07/01/2020

2022/00479 ~ Complete ~54:METHOD FOR DESIGNING TOPSOIL COVERING THICKNESS FOR COAL GANGUE FILLING AND RECLAMATION IN A COAL MINING SUBSIDENCE AREA ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168, Taifeng Street, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: CHEN, Xiaoyang;GONG, Chuangang;XU, Liangji;YAN, Jiaping~

2022/00543 ~ Complete ~54:METHOD FOR RECYCLING LITHIUM BATTERIES ~71:DUESENFELD GMBH, Rothbergstraße 8, 38176, Wendeburg, Germany ~72: CHRISTIAN HANISCH;LISA BRÜCKNER;TOBIAS ELWERT~

2022/00471 ~ Provisional ~54:SUBMERGED WATER WHEEL ~71:Kim Carr, 25 Harcourt st, South Africa ~72: Kim Carr~

2022/00486 ~ Complete ~54:KIT FOR QUANTITATIVE DETECTION USING FLUORESCENT MICROARRAY ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: CHEN, Chuhan;CHEN, Shanshan;LIU, Yi;SHEN, Huahao;WANG, Meijie;WANG, Yifei;WU, Shandong;WU, Shaochang;WU, Zhoujie;ZHU, Mingzhi~ 33:CN ~31:202110409320.2 ~32:16/04/2021

2022/00505 ~ Complete ~54:METHOD FOR INDUSTRIALIZED PRODUCTION OF PROPRIOSEIOPSIS ASETUS USING ARTIFICIAL ALTERNATIVE FEED ~71:Institute of Plant Protection, Fujian Academy of Agricultural Sciences, No. 100, Pudang Village, Xindian Town, Jin'an District, Fuzhou, Fujian Province, 350013, People's Republic of China ~72: CHEN, Xia;SUN, Li~

2022/00497 ~ Complete ~54:CONSTRUCTION METHOD OF CEREAL CROP GROWTH MEASUREMENT MODEL ~71:Henan Agricultural University, #15 Longzihu College District, Zhengzhou, Henan, 450046, People's Republic of China ~72: Duan Jian Zhao;Feng Wei;He Li;Heng Ya Rong;Li Xiao~

2022/00530 ~ Complete ~54:PYRAZOLO[3,4-B]PYRAZINE SHP2 PHOSPHATASE INHIBITORS ~71:Otsuka Pharmaceutical Co., Ltd., 2-9, Kanda Tsukasa-machi, Chiyoda-ku, TOKYO 1018535, JAPAN, Japan;Taiho Pharmaceutical Co., Ltd., 1-27, Kandanshiki-cho, Chiyoda-ku, TOKYO 1018444, JAPAN, Japan ~72: HOWARD, Steven;LIEBESCHUETZ, John Walter;SHIMAMURA, Tadashi~ 33:GB ~31:1911928.8 ~32:20/08/2019

2022/00469 ~ Provisional ~54:COVERAGE SYSTEM ~71:SPAMER, Hendrik Jacobus Venter, 16 Castle Pine Crescent, Silver Lakes Golf Estate, South Africa ~72: SPAMER, Hendrik Jacobus Venter~

2022/00482 ~ Complete ~54:CRITICAL TIME DETERMINATION AND ENERGY-SAVING METHOD OF STALLING FOR ENERGY-SAVING OF NC MACHINE TOOL SPINDLE ~71:Shandong University of Science and Technology, No. 579 Qianwangang Road, Economic & Technical Development Zone, Qingdao, Shandong Province, 266590, People's Republic of China ~72: Chen Hong;Hou Tianyou;Jia Shun;Ma Le;Min Xiangpeng;Su Shengshuai;Wang Shang;Yang Yang;Zhang Jingyan;Zhou Guangfeng~

2022/00499 ~ Complete ~54:METHOD FOR INVESTIGATING, INSPECTING AND REINFORCING ABANDONED MINE ROADWAYS FOR REUSE ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 579 QianWangang Road, Huangdao District, Qingdao, Shandong, 266590, People's Republic of China ~72: DING, Yisong;HUANG, Pengfei;MA, Xingzhi;XU, Chenze;ZUO, Jiacheng~ 33:CN ~31:202110224681.X ~32:01/03/2021

2022/00515 ~ Complete ~54:REMEDIATION AGENT OF OIL-CONTAMINATED COASTAL SOIL AND APPLICATION THEREOF ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, 777 Jialingjiang Road, Huangdao District, People's Republic of China ~72: DU, Yuxin;FANG, Junhe;GUO, Xiaomeng;LIU, Sen;QI, Ruowen;QIN, Jingze;YUAN, Qingyun~

2022/00532 ~ Complete ~54:GIPR-AGONIST COMPOUNDS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALSINA-FERNANDEZ, Jorge;GEISER, Andrea Renee;GUO, Lili;KEYSER, Samantha Grace Lyons;LEE, John;QU, Hongchang;ROELL, William Christopher~ 33:US ~31:62/881,685 ~32:01/08/2019

2022/00501 ~ Complete ~54:HYDROLOGICAL CONNECTIVITY-BASED REGULATION AND CONTROL METHOD FOR WATER AND SOIL CONSERVATION OF RIPARIAN BUFFER STRIP ~71:Henan University, 85 Minglun Street, Shunhe Huizu District, Kaifeng City, Henan Province, 475001, People's Republic of China ~72: CAO, Zihao;DING, Shengyan;XU, Shanshan;ZHANG, Yifan;ZHAO, Qinghe~ 33:CN ~31:202110516399.9 ~32:12/05/2021

2022/00517 ~ Complete ~54:REINFORCED RADIATING TUBE AND PROCESSING PROCESS ~71:TAI'AN FUXING AUTO PARTS CO., LTD., Nanshangzhuang Village, Zulai Town, High-tech Zone, Tai'an City, People's Republic of China ~72: AN, Haibo;SONG, Honggang~

2022/00491 ~ Complete ~54:PRIMER PROBE SET AND KIT FOR RT-PCR DETECTION OF HUMAN LEUKOTRIENE RECEPTOR CYSLTR2 MRNA ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: JIANG, Xuehan;LI, Shidan;LIU, Yi;QIAN, Lei;WU, Shandong;WU, Zhoujie;YANG, Xukai~ 33:CN ~31:202110891433.0 ~32:04/08/2021

2022/00510 ~ Complete ~54:TOILET SEAT ~71:PAGEL, Deon Erich, 105 Marija Street, Wonderboom, 0182, South Africa ~72: PAGEL, Deon Erich~ 33:ZA ~31:2021/00538 ~32:26/01/2021

2022/00536 ~ Complete ~54:VEHICLE ~71:VOSS, Darrell W., P.O. Box 119, Vancouver, United States of America ~72: VOSS, Darrell W.~ 33:US ~31:62/862,827 ~32:18/06/2019

2022/00498 ~ Complete ~54:HIGH-PERFORMANCE LARGE-AREA FLEXIBLE TRANSPARENT ELECTRODE, PREPARATION METHOD AND APPLICATION THEREOF ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: LAN, Hongbo;LI, Hongke;LI, Zhenghao;QI, Ximeng;SUN, Luanfa;ZHU, Xiaoyang~

2022/00504 ~ Complete ~54:METHOD FOR DYEING HIGH-PERFORMANCE AROMATIC FIBER ~71:Anqing Hanyi Information Technology Service Co., Ltd., No.1 Sunshine Avenue, Jiangxia District, Wuhan, Hubei Province, 430200, People's Republic of China;WUHAN TEXTILE UNIVERSITY, No.1 Sunshine Avenue, Jiangxia District, Wuhan, Hubei Province, 430200, People's Republic of China ~72: CAO, Genyang;CHEN, Xin;GUO, Weiqi;PAN, Heng;SHENG, Dan;WANG, Yunli;XIA, Honghui;XU, Weilin~

2022/00514 ~ Complete ~54:SECUREMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, THERMAL TREATMENT DEVICE FOR AN ORTHOPEDIC PROSTHESIS, AND METHODS OF USE ~71:JOINT INNOVATION TECHNOLOGY, LLC, 6537 Via Rosa, Boca Raton, Florida, 33433, United States of America ~72: ZAFER TERMANINI~ 33:US ~31:15/239,189 ~32:17/08/2016

2022/00518 ~ Complete ~54:METHOD FOR FORMING ROADWAY ANTI-IMPACT SOFT STRUCTURE LAYER BY REPEATED COAL-ROCK DRILLING FRACTURING ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No. 1, Daxue Road, Xuzhou City, People's Republic of China;HENAN DAYOU ENERGY CO., LTD., No. 6, Qianqiu Road, Yima City, People's Republic of China ~72: GAO, Mingshi;HE, Yongliang;LI, Dequan;XU, Dong;YANG, Yunfeng;YU, Xin~

2022/00531 ~ Complete ~54:3,6-DIAMINO-PYRIDAZIN-3-YL DERIVATIVES, PHARMACEUTICAL COMPOSITIONS CONTAINING THEM AND THEIR USES AS PRO-APOPTOTIC AGENTS ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES 92284, FRANCE, France;Vernalis (R&D) Limited, Granta Park, CAMBRIDGE CB21 6GB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BEDFORD, Simon;CHANRION, Maïa;COLLAND, Frédéric;DAVIDSON, James Edward Paul;DESOS, Patrice;DODSWORTH, Mark Philip;DUNKEL, Petra;HERNER, András;KOTSCHY, András;MADARÁSZ, Zoltán;MARAGNO, Ana Leticia;MOLNÁR, Márk;MURRAY, James Brooke;NOVÁK, Tibor;NYERGES, Miklós;PACZAL, Attila;PARSONS, Rachel Jane;RUDASOVÁ, Monika;STARCK, Jérôme-Benoît;STROFEK, Ágnes;SZIGETI, Marianna;TIMÁRI, Mátyás Pál;WEBB, Paul~ 33:EP ~31:19188747.0 ~32:29/07/2019

2022/00472 ~ Provisional ~54:A SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, South Africa ~72: Mike Junior McKerson~

2022/00487 ~ Complete ~54:PRIMER PROBE SET AND KIT FOR RT-PCR DETECTION OF HUMAN LEUKOTRIENE RECEPTOR CYSLTR1 MRNA ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: JIANG, Xuehan;LEI, Wei;LIU, Yi;QIAN, Lei;WANG, Jiaofeng;WU, Shandong;WU, Zhoujie~ 33:CN ~31:202110890788.8 ~32:04/08/2021

2022/00508 ~ Complete ~54:EXTERNAL PREPARATION OF IMIDACLOPRID, PREPARATION METHOD AND USE THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong , 266109, People's Republic of China ~72: DONG, Caichao;GAO, Ruiyuan;MA, Xuan;WEI, Jiahui;XU, Xiaoyu;ZHAO, Yongda~

2022/00489 ~ Complete ~54:PRIMER PROBE SET AND KIT FOR RT-PCR DETECTION OF HUMAN TRYPTASE BETA (TPSB) MRNA ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: CHENG, Lei;JIANG, Xuehan;LEI, Wei;LIU, Yi;WANG, Jiping;WU, Shandong;WU, Zhoujie~ 33:CN ~31:202110890718.2 ~32:04/08/2021

2022/00506 ~ Complete ~54:A POTATO SEED CUTTING MACHINE ~71:Hainan University, No. 58, Renmin Avenue, Meilan District, Haikou City, Hainan Province, People's Republic of China;Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's

Republic of China ~72: Pan Zhiguo;Shang Shuqi;Wang Bingjun;Wu Hongzhu;Yang Ranbing;Zhang Huan;Zhang Jian~

2022/00525 ~ Complete ~54:N-SUBSTITUTED-3,4-(FUSED 5-RING)-5-PHENYL-PYRROLIDINE-2-ONE COMPOUNDS AS INHIBITORS OF ISOQC AND/OR QC ENZYME ~71:Scenic Immunology B.V., Science Park 106, AMSTERDAM 1098 XG, THE NETHERLANDS, Netherlands ~72: BRENNAN, Paul E.;EVERS, Bastiaan~ 33:EP ~31:19185997.4 ~32:12/07/2019

2022/00527 ~ Complete ~54:METHODS AND COMPOSITIONS FOR IMPROVING OUTCOMES OF CANCER PATIENTS ~71:Reven IP HoldCo LLC, 600 Corporate Circle, Suite D, GOLDEN 80401, CO, USA, United States of America ~72: DENOMME, Brian David;ERVIN, James;LANGE, Peter B.;PACULT, Peter;PIZZIMENTI, Natalie Maria;VAN WYK, Hendrik Johanness Pertrus;VAN WYK, Mariette Luise;VOLK, Michael A.~ 33:US ~31:62/860,642 ~32:12/06/2019

2022/00493 ~ Complete ~54:PRIMER SET FOR DETECTION OF EXPRESSION OF HUMAN EOSINOPHIL CATIONIC PROTEIN (ECP) MRNA AND KIT ~71:Hangzhou Zheda Dixun Biological Gene Engineering Co., Ltd., Rm. 201, Bldg.2, No.568 Binkang Rd., Binjiang Dist., Hangzhou City, Zhejiang, 310052, People's Republic of China ~72: CHENG, Lei;JIANG, Xuehan;LIU, Yi;SHEN, Huahao;WANG, Jiaofeng;WANG, Yifei;WU, Shandong;WU, Zhoujie~ 33:CN ~31:202110891409.7 ~32:04/08/2021

2022/00495 ~ Complete ~54:PREPARATION METHOD OF A HIGHLY-BRANCHED WOLFBERRY PECTIC POLYSACCHARIDE ~71:ZHEJIANG UNIVERSITY, No.866, Yuhangtang Road, Xihu District, Hangzhou, Zhejiang, 310058, People's Republic of China ~72: CHEN, Jianle;CHEN, Shiguo;CHENG, Huan;LIU, Donghong;PAN, Haibo;TIAN, Jinhu;YE, Xingqian;ZHOU, Shengyi~

2022/00494 ~ Complete ~54:SIMPLIFIED CULTIVATION METHOD WITH DOUBLE CROPPING IN ONE YEAR FOR COTTON AND GARLIC ~71:Shandong Academy of Agricultural Sciences, No. 202, Industrial North Road, Jinan City, Shandong Province, 250100, People's Republic of China ~72: CHI, Baojie;DAI, Jianlong;DONG, Hezhong;ZHANG, Dongmei;ZHANG, Yanjun~

- APPLIED ON 2022/01/12 -

2022/00564 ~ Complete ~54:BLANK BLANKET COATING GLUE FORMULA AND BLANK BLANKET PRE-COATING PROCESS ~71:SHANDONG UNIQUES TECH.CO.,LTD, No. 497, Bohai 28 Road, Economic Development Zone, Bincheng District, Binzhou City, Shandong Province, 256600, People's Republic of China ~72: GUO, Xiao;LIU, Yingying;MA, Yunfeng;SHAO, Yanqing;SUI, Lei;SUN, Shanfeng;ZHONG, Lanxi~

2022/00565 ~ Complete ~54:PREPARATION METHOD OF 8-BENZENESULFONYL SUBSTITUTED FLAVONE GLUCOSIDE ~71:Jiangnan University, No.1800 Lihu Avenue, Jingkai District, Wuxi City, Jiangsu Province, 214122, People's Republic of China ~72: Cong Zhao;Hao Qin;Kailing Zhang;Lianghua Zou;Yuhao Cheng~

2022/00572 ~ Complete ~54:SUCKER-ASSISTED DELIVERY DEVICE FOR OBSTETRICS ~71:The Second Affiliated Hospital of Shandong First Medical University, No. 366 Taishan Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: ZHANG, Yingzi~

2022/00578 ~ Complete ~54:CERAMIC DENTAL IMPLANT AND MANUFACTURING METHOD ~71:DONGGUAN UNIVERSITY OF TECHNOLOGY, No. 1, Daxue Rd., Songshan Lake, Dongguan City, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;LI, Tao;YE, Yanyuan~

2022/00579 ~ Complete ~54:SNP MARKERS FOR DISCRIMINATING DONKEY BREEDS, PRIMER SET AND REAGENT KIT THEREOF ~71:LIAOCHENG UNIVERSITY, No. 1 Hunan Road, Liaocheng City, People's

Republic of China ~72: CHAI, Wenqiong;GAO, Jiayang;LI, Yuhua;LIU, Guiqin;LIU, Wenqiang;MIAO, Xinyao;WANG, Changfa;ZHAN, Yandong;ZHANG, Ruitao;ZHU, Xiaoyang~

2022/00587 ~ Complete ~54:WINGED SPROCKET SEGMENTS WITH NOTCHES ~71:CATERPILLAR INC., 100 NE Adams Street Peoria, United States of America ~72: BLAND, Arthur J.;HAKES, David J.~ 33:US ~31:16/507,451 ~32:10/07/2019

2022/00595 ~ Complete ~54:PEPTIDE CONJUGATES OF CYTOTOXINS AS THERAPEUTICS ~71:Cybrex 2, Inc., 5 Science Park, 395 Winchester Avenue, NEW HAVEN 06511, CT, USA, United States of America ~72: CSENGERY, Johanna Marie;MAGUIRE, Robert John;MARSHALL, Daniel Richard;VOLKMANN, Robert A.~ 33:US ~31:62/872,643 ~32:10/07/2019;33:US ~31:63/040,859 ~32:18/06/2020

2022/00603 ~ Complete ~54:INFLATABLE DILATATION DEVICE ~71:TEVAR (PTY) LTD, 313 Chris Barnard Building, University of Cape Town, Anzio Road, Observatory, 7925, South Africa ~72: BEZUIDENHOUT, Deon;CHACKO, Reno Kochaeppen;FAKIH, Fadi Nkoma;GOTTARDI, Roman;PERUMALL, Preyen Agasthian;VAN BREDA, Braden Sydney Clive;ZILLA, Peter~ 33:GB ~31:1913216.6 ~32:13/09/2019

2022/00574 ~ Complete ~54:10% PROBIOTIC NUTRITIVE PREMIX FEED FOR GROWING AND FATTENING PIGS ~71:Hefei Technology College, Hechao Economic Development Zone, Chaohu City, Hefei City, Anhui Province, 238000, People's Republic of China;Shanghai Xinshangrun Biotechnology Co., Ltd., No. 268, Lintian Road, Xinbang Town, Songjiang District, Shanghai, 201605, People's Republic of China ~72: MA, Xiliang;WANG, Anmin;ZHENG, Xuebin~

2022/00590 ~ Complete ~54:ROLLER MILL WITH A SYNCHRONISING DEVICE ~71:thyssenkrupp AG, ThyssenKrupp Allee 1, ESSEN 45143, GERMANY, Germany;thyssenkrupp Industrial Solutions AG, ThyssenKrupp Allee 1, ESSEN 45143, GERMANY, Germany ~72: GUERRERO PALMA, Pedro;PETERS, Alexander~ 33:BE ~31:2019/5509 ~32:07/08/2019;33:DE ~31:10 2019 211 851.8 ~32:07/08/2019

2022/00566 ~ Complete ~54:WHEAT BRAN-FERMENTING APPARATUS FOR PROCESSING WHOLE WHEAT FLOUR ~71:Crop Research Institute, Shandong Academy of Agricultural Sciences, No. 202, Industrial North Road, Licheng District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: CHEN, Lirong;GONG, Kuijie;GUO, Yuqiu;LIU, Kaichang;WANG, Xingya~

2022/00592 ~ Complete ~54:CUTTING APPARATUS ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEG 8740, AUSTRIA, Austria ~72: EBNER, Bernhard;GIMPEL, Martin;KARGL, Hubert;STABER, Guenther~

2022/00606 ~ Complete ~54:BACILLUS THURINGIENSIS STRAIN ~71:BIOINSECTIS S.L., Avda. de Pamplona, N°186; 123, 31192 Multiva, Navarra, Spain ~72: JAVIER CABALLERO SANCHEZ~ 33:EP ~31:19382497.6 ~32:14/06/2019

2022/00545 ~ Provisional ~54:FACIAL RECOGNITION PAYMENT SOLUTION ~71:Win Htoo Aung, 135 Somerset Gardens, Mulbarton Road, Beverley A/H, 2191, South Africa ~72: Win Htoo Aung~

2022/00547 ~ Complete ~54:HIGH-STABILITY SOLID ACID BASED ON METAL ORGANIC FRAMEWORK WITH PREPARATION METHOD AND APPLICATION ~71:SHANDONG JIANZHU UNIVERSITY, No. 1000 Fengming Road, Licheng District, Jinan, People's Republic of China ~72: CHU, Huijun;CUI, Ping;GUO, Min;LI, Hui;YU, Mingzhi;ZHANG, Wenke;ZHOU, Shoujun~ 33:CN ~31:202110043315.4 ~32:13/01/2021

2022/00552 ~ Complete ~54:METHOD, SYSTEM AND TERMINAL FOR CONTROLLING AND ANALYZING CRITICAL PUMPING RATE OF HORIZONTAL WELL PUMPING PERFORATION ~71:Chongqing University of

Science & Technology, No.20 University City Road, Shapingba District, Chongqing, People's Republic of China ~72: Jiao Guoying;Wang Jun~

2022/00577 ~ Complete ~54:PROCESS SYSTEM OF FOLLOWER FIXTURE FOR TANK MOVING SUPPORT AND AUTOMATIC PROCESSING PRODUCTION LINE THEREOF ~71:Qingdao Kaws Intelligent Manufacturing Co., Ltd., Qingdao Kaws Intelligent Manufacturing Co. Ltd. Room 408 Qingdao International Postdoctoral I&E Park, 506 Huicheng Road, Chengyang District, Qingdao, Shandong, 266100, People's Republic of China;Qingdao University of Technology, No. 777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, Shandong, 266520, People's Republic of China ~72: Cao Huajun;Chen Yun;Ding Wenfeng;Fan Hanqi;Jiang Tao;Li Changhe;Li Junting;Li Min;Liu Bo;Liu Dewei;Lu Bingheng;Mao Cong;Qin Aiguo;Wu Qidong;Xu Xuefeng;Zhou Zongming~

2022/00582 ~ Complete ~54:AN AI BASED MODEL TO DETERMINE THE WATER QUALITY INDEX AND AUTOMATIC DETECTION OF GARBAGE FLOATING IN RIVER ~71:Dharmesh Vandra, Shree Swaminarayan Institute of Technology, Sardar Patel Ring Road, Bhat Circle Ahmedabad Airport-Gandhinagar Highway, Bhat, Gandhinagar, Gujarat, 382428, India;Dipika Shah, Shree Swaminarayan Institute of Technology, Sardar Patel Ring Road, Bhat Circle Ahmedabad Airport-Gandhinagar Highway, Bhat, Gandhinagar, Gujarat, 382428, India;Dr. Hitesh H Vandra, Shree Swaminarayan Institute of Technology, Sardar Patel Ring Road, Bhat Circle Ahmedabad Airport-Gandhinagar Highway, Bhat, Gandhinagar, Gujarat, 382428, India;Dr. Jishnu Rajeshbhai Gohel, Indus University, Rancharda, Ahmedabad, Gujarat , 382115, India;Dr. Oza Ankit Dilipkumar, Institute of Advanced Research, Koba Institutional Area, Gandhinagar, Gujarat , 382426, India;Dr. Parwathi G Pillai, Pandit Deendayal Energy University, Knowledge Corridor, Raisan Village, PDP Road, Gandhinagar, Gujarat, 382007, India;Dr. Praveen Bhai Patel, Department of Chemical Engineering, University Institute of Engineering and Technology, CSJM University , Kanpur, Uttar Pradesh, 208024, India;Dr. Richa, Government Leather Institute, V.I.P Road, Parwati Bagla Road, Suther Ganj, Nawabganj, Kanpur, Uttar Pradesh , 208001, India;Dr. Vijayendra Desai, C K Pithawala College of Engineering and Technology, Near Malvan Mandir Via Magdalla Port, Dumas Road, Surat, Gujarat, 395007, India;Mr. Anand Gujarati, Lecturer, RK University, Kasturbadham, Rajkot Bhavnagar Highway, Rajkot, Gujarat, 360020, India ~72: Dharmesh Vandra;Dipika Shah;Dr. Hitesh H Vandra;Dr. Jishnu Rajeshbhai Gohel;Dr. Oza Ankit Dilipkumar;Dr. Parwathi G Pillai;Dr. Praveen Bhai Patel;Dr. Richa;Dr. Vijayendra Desai;Mr. Anand Gujarati~

2022/00596 ~ Complete ~54:PEPTIDE CONJUGATES OF MICROTUBULE-TARGETING AGENTS AS THERAPEUTICS ~71:Cybrexa 3, Inc., 5 Science Park, 395 Winchester Avenue, NEW HAVEN 06511, CT, USA, United States of America ~72: CSENGERY, Johanna Marie;MAGUIRE, Robert John;MARSHALL, Daniel Richard;VOLKMANN, Robert A.~ 33:US ~31:62/872,638 ~32:10/07/2019;33:US ~31:63/041,324 ~32:19/06/2020

2022/00604 ~ Complete ~54:METHOD FOR SUBSIDENCE-LIMITED EXTRACTION BASED ON SUPPORT OF PSEUDO-GAOF LAYER FORMED BY CEMENTING ROCK STRATA AND GANGUES ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 579 Qianwangang Road, Huangdao District, Qingdao, Shandong, 266590, People's Republic of China ~72: GUO, Yong;HU, Shanchao;NING, Jianguo;RU, Wenkai;WANG, Jun;ZUO, Jing~ 33:CN ~31:202010458239.9 ~32:26/05/2020

2022/00621 ~ Complete ~54:AUTOMATIC BALANCING DEVICE FOR BEAM PUMPING UNITS ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168 TAIFENG STREET, HUAINAN CITY, People's Republic of China ~72: FU, Zhendong;LI, Jun;LIU, Chao~

2022/00569 ~ Complete ~54:PET/PE COMPOSITE SHEET FOR ENCAPSULATION OF NUCLEIC ACID DETECTION REAGENTS AND PREPARATION METHOD THEREOF ~71:ZIBO ZHONGNAN PHARMACEUTICAL PACKAGING MATERIALS CO., LTD., Jinying Pioneer Park, Zhantai Road, Economic

Development Zone, Linzi District, Zibo City, Shandong, 255400, People's Republic of China ~72: GONG, Xiaohan;LIU, Cheng;MU, Xize;WANG, Huanyu;ZHAO, Junfeng~ 33:CN ~31:202110261294.3 ~32:10/03/2021

2022/00576 ~ Complete ~54:5% PROBIOTIC NUTRITIVE PREMIX FEED FOR PEAK EGG-LAYING PERIOD OF LAYING HENS ~71:Hefei Technology College, Hechao Economic Development Zone, Chaohu City, Hefei City, Anhui Province , 238000, People's Republic of China;Shanghai Xinshangrun Biotechnology Co., Ltd., No. 268, Lintian Road, Xinbang Town, Songjiang District, Shanghai , 201605, People's Republic of China ~72: MA, Xiliang;WANG, Anmin;ZHENG, Xuebin~

2022/00546 ~ Provisional ~54:MASKET-SA MASK BAGS ~71:Nothando Lerato Xaba, 14 Harts Road, South Africa ~72: Nothando Lerato Xaba~

2022/00597 ~ Complete ~54:LIGHTING DEVICE FOR HANDHELD SURGICAL INSTRUMENT WITH SMOKE EVACUATION SYSTEM ~71:Pathy Medical, LLC, 1000 Bridgeport Avenue, Suite 400, SHELTON 06484, CT, USA, United States of America ~72: KLEYMAN, Gennady;PATHY, Vinod V.~ 33:US ~31:16/519,744 ~32:23/07/2019

2022/00548 ~ Complete ~54:RTK-BASED PRECISION UNMANNED AERIAL VEHICLE DIRECT SEEDING MACHINE AND ITS APPLICATION METHOD ~71:Chengdu Agricultural College, No.392 Detongqiao Road, Wenjiang District, Chengdu City, Sichuan Province, People's Republic of China ~72: Yue Jin~

2022/00556 ~ Complete ~54:MRNA DETECTION PRIMER SET, PROBE, KIT AND APPLICATION FOR EARLY SCREENING OF PNEUMOCOCCUS PATIENTS ~71:North China University of Science and Technology, 21 Bohai Avenue, Caofeidian new town, Tangshan City, Hebei Province, People's Republic of China ~72: Cai Wenchen;Chen Si;Fan Yuhang;Gao Xuemin;Li Gengxu;Li Shifeng;Liu Shupeng;Xu Hong~

2022/00573 ~ Complete ~54:10% PROBIOTIC NUTRITIVE PREMIX FEED FOR SUCKLING PIGS ~71:Hefei Technology College, Hechao Economic Development Zone, Chaohu City, Hefei City, Anhui Province , 238000, People's Republic of China;Shanghai Xinshangrun Biotechnology Co., Ltd., No. 268, Lintian Road, Xinbang Town, Songjiang District, Shanghai , 201605, People's Republic of China ~72: MA, Xiliang;WANG, Anmin;ZHENG, Xuebin~

2022/00586 ~ Complete ~54:SIMPLIFIED DOWNSAMPLING FOR MATRIX BASED INTRA PREDICTION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ANDERSSON, Kenneth;SJÖBERG, Rickard;STRÖM, Jacob;WENNERSTEN, Per;YU, Ruoyang;ZHANG, Zhi~ 33:US ~31:62/861,546 ~32:14/06/2019

2022/00591 ~ Complete ~54:ESTROGEN-RELATED RECEPTOR ALPHA (ERRA) MODULATORS ~71:Lead Pharma Holding B.V., Kloosterstraat 9, OSS 5349 AB, THE NETHERLANDS, Netherlands ~72: CALS, Joseph Maria Gerardus Barbara;DERETAY, Eugen;KLOMP, Johannes Petrus Gerardus;LEMMERS, Jaap Gerardus Henricus;OUBRIE, Arthur~ 33:EP ~31:19184515.5 ~32:04/07/2019

2022/00593 ~ Complete ~54:SYSTEMS AND METHODS FOR DETERMINING PROTEIN CONCENTRATIONS OF UNKNOWN PROTEIN SAMPLES BASED ON AUTOMATED MULTI-WAVELENGTH CALIBRATION ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: XUE, Gang;ZENG, Shang~ 33:US ~31:62/883,320 ~32:06/08/2019

2022/00598 ~ Complete ~54:T CELL RECEPTORS RECOGNIZING R175H OR Y220C MUTATION IN P53 ~71:THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, Office of Technology Transfer, National Institute of Health, 6011 Executive

Boulevard, Suite 325, United States of America ~72: DENIGER, Drew C.;MALEKZADEH, Parisa;PASETTO, Anna;ROSENBERG, Steven A.~ 33:US ~31:62/867,619 ~32:27/06/2019

2022/00602 ~ Complete ~54:METHOD FOR USING COMPUTERIZED TWO-NEEDLE FLAT-BED KNITTING MACHINE TO KNIT TWO-SIDED RIDGED JACQUARD KNITTED FABRIC ~71:INNER MONGOLIA KING DEER CASHMERE CO.,LTD, South Dongheqiao, Bayantala Street, Donghe District, Baotou, Inner Mongolia, 014000, People's Republic of China ~72: Hui DING;Jiancheng QIAO;Ruilan DONG;Wenshan NIE;Xinquan WANG~ 33:CN ~31:202010559168.1 ~32:18/06/2020

2022/00607 ~ Complete ~54:ANTENNA AND ELECTRONIC DEVICE COMPRISING SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: GUNWOO LEE;JONGJOO JE;SANGHUN PARK;SUNGYOUNG LEE~ 33:KR ~31:10-2019-0094589 ~32:02/08/2019

2022/00557 ~ Complete ~54:METHOD FOR PREPARING MODIFIED PERFLUOROALCOHOL POLYOXYETHYLENE ETHER HEAVY OIL DEMULSIFIER ~71:Northeast Petroleum University, No. 99, Xuefu Street, High-tech Industrial Development Zone, Daqing City, Heilongjiang Province, 163318, People's Republic of China ~72: CHAO, Meng;CHEN, Shuangqing;DENG, Haiping;DONG, Hang;JIA, Xinlei;LI, Da;LI, Zhe;LIU, Yang;LU, Mengzhen;WEI, Lixin;ZHANG, Lin;ZHAO, Jian~

2022/00584 ~ Complete ~54:CONTROLLING PROVISION OF ACCESS TO RESTRICTED LOCAL OPERATOR SERVICES BY USER EQUIPMENT ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: NAIR, Suresh~ 33:US ~31:62/861,700 ~32:14/06/2019

2022/00622 ~ Complete ~54:NOVEL CROSSHEAD TYPE TWO-STROKE STRAIGHT SCAVENGING PISTON DEVICE ~71:SHANDONG JIAOTONG UNIVERSITY, NO.5 JIAOXIAO ROAD, JINAN CITY, People's Republic of China ~72: BU, Zhicheng;CUI, Wenchao;JIAO, Bo~

2022/00553 ~ Complete ~54:COW DUNG-BASED PLANT GROWTH-PROMOTING CULTIVATION SUBSTRATE AND ITS PREPARATION METHOD ~71:Institute of biology, Gansu Academy of Sciences, China, No.197 Dingnan Road,Chengguan District, Lanzhou City, Gansu Province, People's Republic of China ~72: Du Jinhao;Ji Bin;Liang Yan;Peng Yinan;Qi Hongshan;Wang Zhiye;Ye Ze;Zeng Yang~

2022/00555 ~ Complete ~54:METHOD AND DEVICE FOR LOGISTICS DISTRIBUTION MANAGEMENT ~71:Edge corner Intelligent Technology Shanghai Co., Ltd, Block C, building 2, No. 4, Tongli Road, Jiuting Town, Songjiang District, Shanghai, People's Republic of China ~72: Zheng Huaping~

2022/00567 ~ Complete ~54:LIBRARY SELF-SERVICE SYSTEM ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: LAN, Tian;WANG, Chonghao~

2022/00544 ~ Provisional ~54:AUGMENTED REALITY VISUALISATION METHOD FOR A MINING DEVELOPMENT ~71:1WORX (PTY) LTD, 2nd Floor Block D Southdowns Office Park, 22 Karee Street, Southdowns, Centurion, 0157, South Africa ~72: MARTIN BAMBURY HOBBS;ROSS CHARLES TIMOTHY ANDERSON~

2022/00549 ~ Complete ~54:PREPARATION METHOD OF PYRITE ACTIVATOR ~71:Guangxi University, Daxue east road 100, Nanning, Guangxi~160;Zhuang~160;Autonomous~160;Region, People's Republic of China ~72: Chen Jianhua;Chen Ye~

2022/00551 ~ Complete ~54:PREPARATION METHOD OF COPPER-ARSENIC FLOTATION SEPARATION INHIBITOR FOR COMPOUND COPPER ORE ~71:Guangxi University, Daxue East Road 100, Nanning, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Chen Jianhua;Chen Ye~

2022/00560 ~ Complete ~54:SELENIZED SURFACE MODIFIED RUTHENIUM DIOXIDE NANOPARTICLE CATALYST, AND ITS PREPARATION METHOD AND APPLICATION ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao University of Science and Technology Shibei District, Qingdao City, Shandong Province, People's Republic of China;Shanlong Antai Environmental Protection Technology Co., Ltd., No.9, Gongye 1st Street, Xiashan High tech Project Zone, Weifang City, Shandong Province, People's Republic of China ~72: Dai Chunlong;Kang Yan;Lai Jianping;Li Bin;Wang Lei;Zhang Huadong~

2022/00563 ~ Complete ~54:PREPARATION METHOD OF SULFOXIDE FLAVONOIDS AND SULFONE FLAVONOIDS ~71:Jiangnan University, No.1800 Lihu Avenue, Jingkai District, Wuxi City, Jiangsu Province, 214122, People's Republic of China ~72: Cong Zhao;Hao Qin;Kailing Zhang;Lianghua Zou;Yuhao Cheng~

2022/00575 ~ Complete ~54:8% PROBIOTIC NUTRITIVE PREMIX FEED FOR PIGLETS ~71:Hefei Technology College, Hechao Economic Development Zone, Chaohu City, Hefei City, Anhui Province , 238000, People's Republic of China;Shanghai Xinshangrun Biotechnology Co., Ltd., No. 268, Lintian Road, Xinbang Town, Songjiang District, Shanghai, 201605, People's Republic of China ~72: MA, Xiliang;WANG, Anmin;ZHENG, Xuebin~

2022/00599 ~ Complete ~54:IMITATION CARVED KNITTED FABRIC AND KNITTING METHOD THEREOF ~71:INNER MONGOLIA KING DEER CASHMERE CO.,LTD, South Dongheqiao, Bayantala Street, Donghe District, Baotou, Inner Mongolia, 014000, People's Republic of China ~72: Hui DING;Jiancheng QIAO;Jianli GUO;Ruilan DONG;Wenshan NIE;Xinquan WANG~ 33:CN ~31:202010588392.3 ~32:24/06/2020

2022/00601 ~ Complete ~54:EXPERIMENTAL POSITIONING DEVICE AND METHOD FOR MAGNETOMETER SENSOR ~71:SHANGHAI HEALTH MEDICAL COLLEGE, Shanghai Health Medical College, 279 Zhouzhu Road, Pudong New Area, Shanghai, 200135, People's Republic of China ~72: CHEN, Lifan;KONG, Ping;WANG, Hongjie;WANG, Shijie;WU, Tao;ZHANG, Jianqing;ZHOU, Liang;ZHOU, Yanli~

2022/00620 ~ Complete ~54:FORMULA FOR DUCK EGG COATING PRESERVATION SOLUTION AND PRESERVATION METHOD ~71:TIBET VOCATIONAL TECHNICAL COLLEGE, WEST CAMPUS OF TIBET VOCATIONAL TECHNICAL COLLEGE, LUODUI WEST ROAD, CHENGGUAN DISTRICT, LHASA, People's Republic of China ~72: YANG, Manjun~

2022/00558 ~ Complete ~54:LOW-VALUE-FISH-ORIGINATED PEPTIDE WITH ACE INHIBITORY ACTIVITY AND PREPARATION METHOD THEREOF ~71:Zhejiang Wanli University, No. 8, Qianhu South Road, Yinzhou Central District, Ningbo City, Zhejiang, 315000, People's Republic of China ~72: CAO, Shaoqian;MA, Danni;QI, Xiangyang;WANG, Zhengdong;YANG, Hua;ZHAO, Zhenzhen~

2022/00580 ~ Complete ~54:HIGH-LINEARITY AND LOW-HARMONIC RADIO FREQUENCY SWITCHING CIRCUIT STRUCTURE ~71:SYNERGY INNOVATION INSTITUTE OF GDUT, HEYUAN, Building C2-3, Jindi Chuanggu, Gaoxin 5th Road, High-tech Zone, Heyuan City, People's Republic of China ~72: HUANG, Guohong;TANG, Hao;ZHANG, Guohao;ZHANG, Zhihao;ZHONG, Liping~

2022/00570 ~ Complete ~54:APPLICATION OF BNERF019 TRANSCRIPTION FACTOR IN IMPROVING RESISTANCE TO LEPTOSPHERA BIGLOBOS IN OILSEED RAPE ~71:Inner Mongolia Academy of Agricultural and Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot, Inner Mongolia Autonomous Region, 010031, People's Republic of China ~72: GUO, Chen;HUANGFU, Haiyan;HUANGFU,

Jiuru;JIA, Xiaoqing;LI, Ziqin;LIAN, Bo;SHI, Zhidan;SONG, Peiling;WANG, Xuejiao;WEI, Xiaojun;YAN, Mengjiao;YANG, Yongqing;ZHOU, Yu~

2022/00550 ~ Complete ~54:MIXING HEATING DEVICE FOR RECYCLED CONCRETE ~71:Qingdao Agricultural University, No.700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: Sun Xiuli~

2022/00561 ~ Complete ~54:APPLICATION OF CACTUS FRUIT EXTRACT AS QUORUM SENSING INHIBITOR OF SHEWANELLA PUTREFACIENS AND TRACHINOTUS OVATUS PRESERVATIVE ~71:Hainan Tropical Ocean University, 1 Yucai Road, Sanya City, Hainan Province, 572022, People's Republic of China ~72: Li Ye;Yu Shuchi~

2022/00562 ~ Complete ~54:FORMULA OF ETHYL LAUROYL ARGINATE-CHITOSAN EDIBLE FRESH-KEEPING COATING FILM AND PREPARATION METHOD THEREOF ~71:Aba Tibetan and Qiang Autonomous Prefecture Industrial Economy Research Institute (Aba Tibetan and Qiang Autonomous Prefecture SME Service Center), No. 13, Lower Section of Jiaochang Street, Weizhou Town, Wenchuan County, Sichuan Province, 623000, People's Republic of China;Southwest Minzu University, No.16, South 4th Section, Yihuan Road, Wuhou District, Chengdu, Sichuan Province, 610041, People's Republic of China ~72: CAI, Yinchuan;HAO, Gang~

2022/00559 ~ Complete ~54:SPECIAL WATER-SOLUBLE FERTILIZER FOR LYCIUM CHINENSE IN THE FLOWERING AND FRUITING STAGES ~71:Qinghai Academy of Agricultural and Forestry Sciences, No.253, Ningda Road, Chengbei District, Xining City, Qinghai Province, 810016, People's Republic of China ~72: LI, Yuemei;SONG, Mingdan;TALIN, Gewa~

2022/00588 ~ Complete ~54:PLASMA KALLIKREIN INHIBITORS ~71:KalVista Pharmaceuticals Limited, Porton Science Park, Bybrook Road, PORTON DOWN SP40BF, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: BAKER, Thomas Matthew;CLARK, David Edward;CONROY, Matthew Robert;DAVIE, Rebecca Louise;EDWARDS, Hannah Joy;EVANS, David Michael;HODGSON, Simon Teanby;MAZZACANI, Alessandro;SMITH, Alun John;STOCKS, Michael John~ 33:IB ~31:2019/052252 ~32:09/08/2019

2022/00608 ~ Complete ~54:DLL3-TARGETING ANTIBODIES AND USES THEREOF ~71:MEMORIAL SLOAN KETTERING CANCER CENTER, 1275 York Avenue, New York, New York, 10065, United States of America;TRI-INSTITUTIONAL THERAPEUTICS DISCOVERY INSTITUTE, 413 East 69th Street, Box 300, New York, New York, 10021, United States of America ~72: ABDUL KHAN;CHARLES RUDIN;DAVID ANDREW;IVO LORENZ;JASON LEWIS;JOHN T POIRIER;XINLEI CHEN~ 33:US ~31:62/872,915 ~32:11/07/2019

2022/00605 ~ Complete ~54:BLOOD GROUP ANTIGEN TESTING COMPONENT ~71:INTEC PRODUCTS, INC., 332 Xinguang Road, Xinyang Street, Haicang District, Xiamen, Fujian, 361000, People's Republic of China ~72: JINGGAO HU~ 33:CN ~31:201921168987.2 ~32:23/07/2019

2022/00571 ~ Complete ~54:STEAM MEDICATED BATH DEVICE FOR TREATING GENERAL SURGERY DEPARTMENT ANORECTAL HEMORRHOID AND FISTULA ~71:The Second Affiliated Hospital of Shandong First Medical University, No. 366 Taishan Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: WANG, Peng~

2022/00594 ~ Complete ~54:HETEROCYCLIC COMPOUNDS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BENZ, Joerg;GOBBI, Luca;GRETHER, Uwe;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;MARTIN, Rainer E.;O'HARA, Fionn;PUELLMANN, Bernd;RICHTER, Hans;RITTER, Martin~ 33:EP ~31:19199122.3 ~32:24/09/2019

2022/00554 ~ Complete ~54:HYPERSPECTRAL IMAGE CLASSIFICATION METHOD BASED ON TRIPLET LOSS AND CONVOLUTIONAL NEURAL NETWORK ~71:Jiaying University, No. 100, Meisong Road, Meijiang District, Meizhou City, Guangdong Province, 514015, People's Republic of China ~72: Huang Kekun~

2022/00568 ~ Complete ~54:ENVIRONMENT-FRIENDLY LIGHTWEIGHT AGGREGATE CONCRETE AND PREPARATION METHOD THEREOF ~71:Desheng (Zhangbei) Industrial Group Co., Ltd., Desheng Village, Xiao'ertai Town, Zhangbei County, Zhangjiakou City, Hebei Province, 075000, People's Republic of China;Hebei University of Architecture, No. 13, Chaoyang West Street, Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: DONG, Yi;HONG, Junzhe;LIU, Hongbo;LIU, Yongzhi;SUN, Jing;WANG, Hailong;WANG, Jun;ZHANG, Shaoyun;ZHOU, Kai~

2022/00600 ~ Complete ~54:CASHMERE KNOTTED YARN FABRIC AND PRODUCTION METHOD THEREFOR ~71:INNER MONGOLIA KING DEER CASHMERE CO.,LTD, South Dongheqiao, Bayantala Street, Donghe District, Baotou, Inner Mongolia, 014000, People's Republic of China ~72: Hui DING;Jiancheng QIAO;Jianli GUO;Ruilan DONG;Wenshan NIE;Xinquan WANG;Xiurong FAN~ 33:CN ~31:202010565018.1 ~32:19/06/2020

2022/00589 ~ Complete ~54:PRODUCTION METHOD FOR CARBON FIBRE MATERIAL FOR SEPARATING CO₂ OR NH₃ FROM GAS MIXTURES, CARBON FIBRE MATERIAL, AND USE THEREOF ~71:Forschungszentrum Jülich GmbH, Wilhelm-Johnen-Straße, Jülich 52428, GERMANY, Germany ~72: EICHEL, Rüdiger-A.;KRETZSCHMAR, Ansgar Karl Georg;KUNGL, Hans;SELMERT, Victor Octavian;TEMPEL, Hermann;WEINRICH, Henning~ 33:DE ~31:10 2019 208 643.8 ~32:13/06/2019

2022/00583 ~ Complete ~54:AGRICULTURAL FENCING ~71:WIREMAN PTY LIMITED, 102/20 Alfred Street, Australia ~72: LOWREY, Ian;OLD, Fraser~ 33:AU ~31:2019902354 ~32:03/07/2019;33:AU ~31:2019903175 ~32:30/08/2019;33:AU ~31:2019903297 ~32:06/09/2019;33:AU ~31:2019903925 ~32:18/10/2019

2022/00585 ~ Complete ~54:AN APPARATUS, A METHOD AND A COMPUTER PROGRAM FOR VIDEO ENCODING AND DECODING ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: HANNUKSELA, Miska~ 33:US ~31:62/864,371 ~32:20/06/2019

2022/00581 ~ Complete ~54:GAMING VIDEO PROCESSING SYSTEM ~71:CLEMTEK, LLC, 4301 South Valley View Boulevard, #13, Las Vegas, Nevada, 89103, United States of America ~72: CHRISTOPHER ANTHONY CLEMONS~ 33:US ~31:14/724,549 ~32:28/05/2015

- APPLIED ON 2022/01/13 -

2022/00613 ~ Provisional ~54:BICYCLE SUPPORT ~71:Willem Johannes van Straaten, 49 Trafalgar Place Street, Sandhurst, South Africa ~72: Willem Johannes van Straaten~

2022/00625 ~ Complete ~54:NOVEL ON-LINE REAL-TIME IDENTIFICATION AND DETECTION DEVICE FOR COAL AND GANGUE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168, TAIFENG STREET, People's Republic of China ~72: CHEN, JIACHENG;LIU, HAIZENG;LV, WENBAO;PAN, HUIKUAN;WANG, CHAO;WANG, LEI;ZHU, DAN~

2022/00638 ~ Complete ~54:HOLLOW BEAD-FILLED ALUMINUM ALLOY FLOOR ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;WANG, Lei;WANG, Lihu;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00641 ~ Complete ~54:DOUBLE-SHIELDING-STRUCTURE MATERIAL WITH DIRECTIONAL ELECTROMAGNETIC SHIELDING PERFORMANCE AND PREPARATION METHOD THEREOF ~71:Guizhou University, No. 194, Huashi Road, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LI, Yi;XIE, Lan;XUE, Bai~ 33:CN ~31:202110638506.5 ~32:08/06/2021

2022/00665 ~ Complete ~54:SYSTEMS AND METHODS FOR SECURING DEVICES IN A COMPUTING ENVIRONMENT ~71:Infotron Holdings, LLC, 103 Buford Dr., WARNER ROBINS 31088, GA, USA, United States of America ~72: WRIGHT, Chasity Latrice~ 33:US ~31:62/875,242 ~32:17/07/2019;33:US ~31:16/931,215 ~32:16/07/2020

2022/00618 ~ Provisional ~54:BAAL THE APP (TRADE MANAGEMENT SYSTEM) ~71:Sibusiso Blessing Zwane, 13 Gladiator Street, Ormonde View, South Africa ~72: Sibusiso Blessing Zwane~ 33:ZA ~31:1;4;6;7;8 ~32:02/01/2022

2022/00630 ~ Complete ~54:PREPARATION METHOD OF CARBONYL FUNCTIONALIZED GRAPHITE PHASE CARBON NITRIDE AND APPLICATION THEREOF ~71:Hefei University of Technology, 193# Tunxi Road, Baohe District, Hefei City, Anhui Province, People's Republic of China ~72: Chen Xing;Cui Kangping;Cui Minshu;Liu Xueyan~

2022/00643 ~ Complete ~54:RUFECONICU HIGH ENTROPY ALLOY NANOPARTICLE CATALYST, ITS PREPARATION METHOD AND APPLICATION ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao University of Science and Technology Shibei District, Qingdao City, Shandong Province, People's Republic of China;Shanlong Antai Environmental Protection Technology Co., Ltd., No.9, Gongye 1st Street, Xiashan High tech Project Zone, Weifang City, Shandong Province, People's Republic of China ~72: An Dong;Dai Chunlong;Kang Yan;Lai Jianping;Li Bin;Wang Lei;Zhang Dan~

2022/00644 ~ Complete ~54:METHOD AND SYSTEM FOR CALCULATING AS WELL AS METHOD FOR OPTIMIZING RESISTANCE LOSS OF SLURRY IN HORIZONTAL BENDS ~71:North China University of Science and Technology, No. 21, Xincheng Bohai Avenue, Caofeidian, Tangshan City, Hebei Province , 063210, People's Republic of China ~72: GAN, Deqing;GONG, Yuhang;WANG, Chonghao~

2022/00651 ~ Complete ~54:BIOFILM DISRUPTION ~71:QBIOTICS PTY LTD, SUITE 3A, LEVEL 1, 165 MOGGILL ROAD, TARINGA, QUEENSLAND 4068, AUSTRALIA, Australia ~72: BOYLE, Glen, Mathew;CULLEN, Jason, Kingsley;GORDON, Victoria, Anne;HILL, Katja, Etel;PARSONS, Peter, G;POWELL, Lydia, Charlotte;PRITCHARD, Manon, F.;REDDELL, Paul, Warren;THOMAS, David, William~ 33:AU ~31:2019902144 ~32:19/06/2019

2022/00653 ~ Complete ~54:MICROBE-BASED COMPOSITIONS FOR RESTORING SOIL HEALTH AND CONTROLLING PESTS ~71:LOCUS AGRICULTURE IP COMPANY, LLC, 30500 Aurora Road, Suite 180 Solon, United States of America ~72: ALIBEK, Ken;FARMER, Sean~ 33:US ~31:62/885,455 ~32:12/08/2019;33:US ~31:62/953,632 ~32:26/12/2019

2022/00662 ~ Complete ~54:SUBSTITUTED HETEROAROMATIC PYRAZOLO-PYRIDINES AND THEIR USE AS GLUN2B RECEPTOR MODULATORS ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: CHROVIAN, Christa;DVORAK, Curt;GELIN, Christine;HISCOX, Afton;LETAVIC, Michael A.;SAMANT, Andrew;STENNE, Brice~ 33:US ~31:62/861,665 ~32:14/06/2019;33:PK ~31:349/2020 ~32:03/06/2020

2022/00612 ~ Provisional ~54:A SECURITY DEVICE ~71:RAS, Shaun, Adrian, 176 GALLEY ROAD, LEISURE BAY ESTATE, ERASMUS PARK, PRETORIA 0048, SOUTH AFRICA, South Africa ~72: RAS, Shaun, Adrian~

2022/00668 ~ Complete ~54:PROTECTIVE DEVICE FOR THE NEEDLE TUBE OF A SYRINGE ~71:FISCHER, Stephan, Auf der Brede 8, Germany;MOHR, Bernd, Mühlenberg 2, Germany;WILKE, Tobias, Heuwinkel 3, Germany ~72: FISCHER, Stephan;MOHR, Bernd;WILKE, Tobias~ 33:DE ~31:20 2019 103 876.4 ~32:15/07/2019

2022/00639 ~ Complete ~54:LOADING AND TESTING DEVICE FOR SCRAPER CONVEYOR ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;WANG, Lei;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00659 ~ Complete ~54:STIRRING DEVICE FOR TESTING PROPERTIES OF MINERAL MATERIAL ~71:CENTRAL SOUTH UNIVERSITY, No.932, Lushan South Road, Yuelu District, Changsha, Hunan , 410083, People's Republic of China ~72: LI, Zhou;ZHANG, Lu~ 33:CN ~31:202110684378.8 ~32:21/06/2021

2022/00619 ~ Provisional ~54:BASTION BLOCKCHAIN ~71:Charles Buchler, 699 Tarryn st, Rietvleiview Grootfontein, South Africa;Iwan Buchler, 699 Tarryn st, Rietvleiview Grootfontein, South Africa ~72: Iwan Buchler~

2022/00633 ~ Complete ~54:PROSPECTING METHOD FOR FLUORITE IN RESIDUAL SLOPE OVERBURDEN AREA ~71:Qinghai Qaidam Comprehensive Geological and Mineral Exploration Institute, No. 12, Kunlun South Road, Golmud City , Haixi Mongolian and Tibetan Autonomous Prefecture, Qinghai Province, 816099, People's Republic of China ~72: CUI, Qiangqiang;HUANG, Guobiao;JIAO, He;LU, Haifeng;LV, Zhibin;PENG, Jian~ 33:CN ~31:202111359390.8 ~32:17/11/2021

2022/00615 ~ Provisional ~54:IMPROVED PROCESS OPTIMIZATION IN PRODUCTION OF AN INSECTICIDAL SUBSTANCE IN INDUSTRIAL SCALE ~71:Adama Makhteshim Ltd., P.O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: GELMAN , Elijah;PEN, Liza;ZARCHIN , Ruby~

2022/00642 ~ Complete ~54:A KIND OF PREPARATION METHOD AND APPLICATION OF NISIN MODIFIED PRODUCT ~71:QINGDAO AGRICULTURAL UNIVERSITY, No.700 Changcheng Road, Chengyang District, Qingdao, Shandong, 266109, People's Republic of China ~72: Li Xugao;Li Yugao;Pan Yulin;Xu Zhiqiang;Yang Qingli;Yu Dongxing;Zhao Shang;Zhao Zhiqiang;Zheng Wenbin;Zhu Yinglian~

2022/00645 ~ Complete ~54:A MICROFLUIDIC BIOCHIP DETECTION DEVICE, PREPARATION METHOD AND DETECTION METHOD ~71:Xi'an International University, 18 Yudou Road, Yanta District, Xi 'an city, Shaanxi Province, 710077, People's Republic of China ~72: Jinpei Wang;Lin Wang;Qianqian Li;Taotao Xi;Xiaoe Luo;Yutong Liang;Ziyang Xue~

2022/00655 ~ Complete ~54:METHOD AND SYSTEMS FOR USING SENSORS TO DETERMINE RELATIVE SEED OR PARTICLE SPEED ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: PLATTNER, Chad~ 33:US ~31:62/881,684 ~32:01/08/2019

2022/00657 ~ Complete ~54:FLUID CATALYTIC CRACKING PROCESS AND APPARATUS FOR MAXIMIZING LIGHT OLEFIN YIELD AND OTHER APPLICATIONS ~71:LUMMUS TECHNOLOGY LLC, 1515 Broad Street, United States of America ~72: BRECKENRIDGE, Justin;CHEN, Liang;DORSEY, Michael;HOOD, Jon A.;LOEZOS, Peter;MARRI, Rama Rao;SINGH, Hardik;TOMSULA, Bryan~ 33:US ~31:16/511,645 ~32:15/07/2019

2022/00664 ~ Complete ~54:TELESCOPING JACK FOR LIFTING LARGE CAPACITY TRUCKS ~71:Nordic Minesteel Technologies Inc., 373 Main Street West, Unit 1, NORTH BAY P1B 2T9, ONTARIO, CANADA, Canada ~72: DESORMEAU, Wayne;MATHIEU, Guy;WEAVER, Jeff~ 33:US ~31:16/510,946 ~32:14/07/2019

2022/00617 ~ Provisional ~54:NEAR FIELD COMMUNICATION TAG AUGMENTED REALITY (AR) GLASSES.
~71:Ahmed Waseef Saib, 24 Park Avenue, Desainager Tongaat Beach, South Africa ~72: Ahmed Waseef Saib~

2022/00629 ~ Complete ~54:ARTIFICIAL DOMESTICATION METHOD OF WILD SCHIZOTHORAX
CURVILABIATUS ~71:Institute of Fisheries Science, Tibet Academy of Agricultural and Animal Husbandry
Sciences, Agricultural science and technology park, Nongke Road, Chengguan District, Lhasa, Tibet, 085000,
People's Republic of China ~72: Wang Wanliang;Zhang Chi;Zhou Jianshe~

2022/00648 ~ Complete ~54:IMMUNOGLOBULINS AND USES THEREOF ~71:Janssen Pharmaceutica NV,
Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: CAMACHO, Raul C.;CASE, Martin A.;CHI,
Ellen;D'AQUINO, Katharine E.;EDWARDS, Wilson;HUNTER, Michael J.;JIAN, Wenying;LEONARD, James
N.;MACIELAG, Mark;PATCH, Raymond J.;RANGWALA, Shamina M.;SWANSON, Ronald V.;WALL,
Mark;ZHANG, Rui;ZHANG, Yue-Mei~ 33:US ~31:62/413,586 ~32:27/10/2016;33:US ~31:62/413,613
~32:27/10/2016

2022/00652 ~ Complete ~54:COMPOSITIONS, KITS, METHODS AND USES FOR PREVENTING MICROBIAL
GROWTH ~71:COLLIDION, INC., 1770 CORPORATE CIRCLE, PETALUMA, CALIFORNIA 94954, USA, United
States of America ~72: ALIM, Hojabr;PRASAD, Sridhar, Govinda;SINHA, Santosh, C.~ 33:US ~31:62/861,987
~32:14/06/2019;33:US ~31:62/977,090 ~32:14/02/2020

2022/00669 ~ Provisional ~54:POWER GENERATION SOLUTION ~71:SUPERCARE ENERGY PTY LTD, 2483
MARIVATE STREET, South Africa ~72: MLOMBILE REGINALD SANDILE~

2022/00667 ~ Complete ~54:HEARING ENHANCEMENT AND PROTECTION DEVICE ~71:SOUNDTRACK
OUTDOORS, LLC, 808 N. Mount Juliet Road, Mt. Juliet, Tennessee, 37122-3391, United States of America ~72:
DAVID GNEWIKOW;WILLIAM DICKINSON~ 33:US ~31:62/860,867 ~32:13/06/2019

2022/00627 ~ Complete ~54:STABILIZING AGENT OF SUBSTRATE OF MOUNTAIN SLOPE PROTECTION,
SUBSTRATE OF MOUNTAIN SLOPE PROTECTION AND METHOD FOR STABILIZING SLOPE ~71:QINGDAO
UNIVERSITY OF TECHNOLOGY, 777 Jialingjiang Road, Huangdao District, People's Republic of China ~72: DU,
Yuxin;FANG, Junhe;GUO, Xiaomeng;LIU, Sen;QI, Ruowen;QIN, Jingze;YUAN, Qingyun~

2022/00634 ~ Complete ~54:CHAIN TENSION DETECTION DEVICE ~71:Shandong Jiaotong University, 5001
Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of
China ~72: DONG, Hui;GUAN, Zhiguang;WANG, Baoping;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00654 ~ Complete ~54:CHIMERIC ANTIGEN RECEPTORS WITH MAGE-A4 SPECIFICITY AND USES
THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United
States of America ~72: BRAY, Kevin;DELFINO, Frank;DILILLO, David;MEAGHER, Thomas, Craig~ 33:US
~31:62/878,125 ~32:24/07/2019;33:US ~31:63/020,177 ~32:05/05/2020;33:US ~31:63/021,407
~32:07/05/2020

2022/00663 ~ Complete ~54:SWEET TASTING STARCH-DERIVED BEVERAGE ~71:Heineken Supply Chain
B.V., Burgemeester Smeetsweg 1, ZOETERWOUDE 2382 PH, THE NETHERLANDS, Netherlands ~72:
BEKKERS, Augustinus Cornelius Aldegonde Petrus Albert;OFODU, Ikechukwu Victor~ 33:EP ~31:19187830.5
~32:23/07/2019

2022/00611 ~ Provisional ~54:HORIZONTAL SPACER TRAY ~71:BUTI ABRAM MOLEFE, 120 BLOCK G, South
Africa ~72: BUTI ABRAM MOLEFE~

2022/00649 ~ Complete ~54:ACTUATING MECHANISM FOR AN ELECTRICAL SWITCHING DEVICE PROVIDING PREDICTABLE SWITCHING SPEED ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: SCHOONENBERG, Gerard;STEVELINK, Frans~ 33:GB ~31:2100455.1 ~32:14/01/2021

2022/00666 ~ Complete ~54:USE OF CHIMERIC ANTIGEN RECEPTOR T CELLS AND NK CELL INHIBITORS FOR TREATING CANCER ~71:CRISPR THERAPEUTICS AG, Baarerstrasse 14, 6300, Zug, Switzerland ~72: EWELINA MORAWA;JONATHAN ALEXANDER TERRETT;LAWRENCE KLEIN~ 33:US ~31:62/867,764 ~32:27/06/2019;33:US ~31:62/951,732 ~32:20/12/2019

2022/00637 ~ Complete ~54:AWAVE PIEZOELECTRIC-ELECTROMAGNETIC COMPOSITE ENERGY HARVESTER ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;WANG, Lei;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00640 ~ Complete ~54:METHOD FOR EXTRACTING REGENERATED FULVIC ACID FROM LOW-METAMORPHIC LIGNITE ~71:Baoqing Coal Power & Chemical Corporation, CHN Energy, No.108 Zhongyang Street, Baoqing County, Shuangyashan City, Heilongjiang Province, People's Republic of China;China University of Mining and Technology, No.1, Daxue Road, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Chen Xiaoqing;Gong Guanqun;Li Ruonan;Li Ya;Li Zhiling;Liang Shaojie;Liu Peng;Lu Shan;Wang Ziyang;Zhang Fushui;Zhang Shuangquan;Zhang Yingjie~

2022/00614 ~ Provisional ~54:RAZOR ~71:ANGELOS, Komninos George, 23 Joseph Avenue, NORTHCLIFF, Johannesburg 2195, Gauteng, SOUTH AFRICA, South Africa;LAWRENCE, Allen Preston, Portion 94 of Farm JQ 417, Roodekopjes, BRITZ, SOUTH AFRICA, South Africa ~72: LAWRENCE, Allen Preston~

2022/00626 ~ Complete ~54:HORSEHEAD OVERTURNING DEVICE OF BEAM PUMPING UNIT ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168, TAIFENG STREET, People's Republic of China ~72: HUANG, SHAOFU;LI, JUN;LIU, CHAO;YANG, ZIDONG~

2022/00632 ~ Complete ~54:CHAIN TENSION ONLINE-DETECTION DEVICE AND METHOD ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;GUAN, Zhiguang;WANG, Baoping;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00647 ~ Complete ~54:ACTIVE SUPPORT STRUCTURE AND METHOD FOR LIMIT INVASION AND DEFORMATION OF TUNNEL SURROUNDING ROCK AFTER EXCAVATION AND SUPPORT ~71:SHANDONG HI-SPEED GROUP CO., LTD., No. 8 Longao North Road, Lixia District, Jinan City, People's Republic of China ~72: WANG, Deming;WANG, Kai;XUE, Zhichao~ 33:CN ~31:202111091099.7 ~32:17/09/2021

2022/00650 ~ Complete ~54:INOSITOL DERIVATIVES FOR USE IN PATHOLOGICAL CRYSTALLIZATION ~71:ETH ZÜRICH;RICH, RICHARD;ETH Transfer, Switzerland;UNIVERSITÄT BERN, Hochschulstrasse 4, Switzerland ~72: CASTAGNER, Bastien;IVARSSON, Mattias;LEROUX, Jean-Christophe;PASCH, Andreas~ 33:EP ~31:15199682.4 ~32:11/12/2015;33:EP ~31:16164299.6 ~32:07/04/2016;33:EP ~31:16173422.3 ~32:07/06/2016

2022/00658 ~ Complete ~54:METHODS AND SYSTEMS FOR REDUCING ARTEFACTS IN IMAGE RECONSTRUCTION ~71:UNIVERSITY OF JOHANNESBURG, Cnr Kingsway Avenue and University Road, Auckland Park, JOHANNESBURG 2006, SOUTH AFRICA, South Africa ~72: CONNELL, Simon Henry;COOK, Martin Nkululeko Hogan~ 33:ZA ~31:2019/04070 ~32:24/06/2019

2022/00646 ~ Complete ~54:NANO-ARRAY SENSOR BASED ON DNA ORIGAMI-APTAMER AND PREPARATION METHOD AND USE THEREOF ~71:Institute of Environmental Medicine and Occupational Medicine, Academy of Military Medicine, Academy of Military Sciences, No. 1, Dali Road, Heping District, Tianjin, 300050, People's Republic of China ~72: GAO, Zhixian;HAN, Dianpeng;LI, Sen;LI, Shuang;PENG, Yuan;QIN, Kang;REN, Shuyue;WANG, Xiaojuan;WANG, Yu;ZHOU, Huanying~

2022/00616 ~ Provisional ~54:COACH TIME ~71:RONALD TEBOGO MATATANYA AND NORMAN TSHIFHIWA MASIA, 14492 Pepper street Pretoria Glen, South Africa ~72: NORMAN TSHIFHIWA MASIA;RONALD TEBOGO MATATANYA~

2022/00660 ~ Complete ~54:PROCESS FOR THE PREPARATION OF RIDINILAZOLE AND CRYSTALLINE FORMS THEREOF ~71:SUMMIT (OXFORD) LIMITED, 136a Eastern Avenue, Milton Park, United Kingdom ~72: ADAMS, Nigel;CARNIAUX, Jean-Francois;WILSON, Francis Xavier~ 33:GB ~31:1910250.8 ~32:17/07/2019;33:GB ~31:1912144.1 ~32:23/08/2019

2022/00628 ~ Complete ~54:NEW TYPE OF ASSEMBLED DESERT HIGHWAY ~71:Shihezi University, 221 Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China ~72: Jianjun Cheng;Li Gao;Shuang Tian;Yong Wang;Yushan Wang~

2022/00624 ~ Complete ~54:A SPORT TRAINING AID ~71:SWART, Pieter, EENHEID 43, SUNRISE VIEW, VIEWSTRAAT 500, RIETVALLEIRAND, PRETORIA, SOUTH AFRICA, South Africa ~72: SWART, Pieter~ 33:ZA ~31:2020/07077 ~32:13/11/2020

2022/00656 ~ Complete ~54:ASSAYS AND METHODS FOR DETECTION OF NUCLEIC ACIDS ~71:MAMMOTH BIOSCIENCES, INC., 1000 Marina Boulevard, Suite 600, United States of America ~72: BROUGHTON, James Paul;CHEN, Janice Sha;DRZAL, Daniel Thomas;FASCHING, Clare Louise;GALARZO, Pedro Patrick Draper;HARRINGTON, Lucas;MIAO, Xin;SHAPIRO, Sarah Jane;SINGH, Jasmeet;TSALOGLOU, Maria-Nefeli~ 33:US ~31:62/863,178 ~32:18/06/2019;33:US ~31:62/879,325 ~32:26/07/2019;33:US ~31:62/881,809 ~32:01/08/2019;33:US ~31:62/944,926 ~32:06/12/2019;33:US ~31:62/985,850 ~32:05/03/2020

2022/00635 ~ Complete ~54:STEPPING TYPE FULL-HYDRAULIC ROADWAY LOADING AND TRANSPORT DEVICE ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;SUN, Qin;WANG, Baoping;WANG, Lei;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00636 ~ Complete ~54:METHOD FOR ELECTROCATALYTIC NITROGEN REDUCTION CATALYST ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao University of Science and Technology Shibei District, Qingdao City, Shandong Province, People's Republic of China;Shanlong Antai Environmental Protection Technology Co., Ltd., No.9, Gongye 1st Street, Xiashan High tech Project Zone, Weifang City, Shandong Province, People's Republic of China ~72: Dai Chunlong;Han Yi;Lai Jianping;Li Bin;Volodymyr Turkevychi;Wang Lei~

2022/00623 ~ Complete ~54:AUTOMATIC BALANCING DEVICE FOR BEAM PUMPING UNITS ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168 TAIFENG STREET, HUAINAN CITY, People's Republic of China ~72: FU, Zhendong;HUANG, Shaofu;LI, Jun;LIU, Chao~

2022/00631 ~ Complete ~54:AUTONOMOUS OBSTACLE AVOIDING SNAKELIKE CRAWLER TRAVELING TYPE CRUSHING CONVEYOR ~71:Shandong Jiaotong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250399, People's Republic of China ~72: DONG, Hui;SUN, Qin;WANG, Baoping;WANG, Lei;YU, Haiyang;ZHANG, Dongsheng;ZHANG, Zhifeng~

2022/00661 ~ Complete ~54:SUBSTITUTED PYRAZOLO-PYRIDINE AMIDES AND THEIR USE AS GLUN2B RECEPTOR MODULATORS ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE 2340, BELGIUM, Belgium ~72: CHROVIAN, Christa;DVORAK, Curt;GELIN, Christine;HISCOX, Afton;LETAVIC, Michael A.;SAMANT, Andrew;SOYODE-JOHNSON, Akinola;STENNE, Brice~ 33:US ~31:62/861,656 ~32:14/06/2019;33:PK ~31:350/2020 ~32:03/06/2020;33:AR ~31:P20200101623 ~32:09/06/2020

- APPLIED ON 2022/01/14 -

2022/00672 ~ Provisional ~54:SHUNT AND METHOD FOR TREATING GLAUCOMA ~71:LIQID MEDICAL PROPRIETARY LIMITED, 30 Eden Road, Walmer Estate, Cape Town 7925, SOUTH AFRICA, South Africa ~72: FISCHER, Joshua David;MCCLUNAN, Daemon Bruce~

2022/00679 ~ Complete ~54:WIDENED SUBGRADE SPLICING STRUCTURE ~71:Hebei University of Architecture, No. 13, Chaoyang West Street, Qiaodong District, Zhangjiakou City, Hebei Province, 075000, People's Republic of China ~72: DI, Suwei;JIANG, Xiyan;SUN, Sizhong;YAN, Jiye;ZHENG, Xianchun~

2022/00695 ~ Complete ~54:ZEBRA CROSSING SAFETY WARNING SYSTEM SUITABLE FOR VEHICLE INFRASTRUCTURE COOPERATIVE ENVIRONMENT ~71:Qingdao University of Technology, No. 777, Jialingjiang Road, Xuejiadao Street, Huangdao District, Qingdao, Shandong , 266520, People's Republic of China ~72: BING, Qichun;CHEN, Xiufeng;CHEN, Ziyu;GUO, Yutong;HAN, Yeli;LIU, Zunmin;QU, Dayi~

2022/00703 ~ Complete ~54:PNEUMATIC LINEAR RECIPROCATING FEEDER FOR SINGLE PLAIN SEAM MACHINING AND METHOD FOR USING THE SAME ~71:Qingdao University of Technology, No. 11, Fushun Road, Qingdao, Shandong, 266033, People's Republic of China ~72: CHEN, Xiaofei;MA, Qingsong~

2022/00706 ~ Complete ~54:ALUMINUM ION BATTERY BASED ON PENCIL COATED ANODE AND PREPARATION METHOD THEREOF ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao University of Science and Technology Shibei District, Qingdao City, Shandong Province, People's Republic of China;Shanlong Antai Environmental Protection Technology Co., Ltd., No.9, Gongye 1st Street, Xiashan High-tech Project Zone, Weifang City, Shandong Province, People's Republic of China ~72: An Dong;Dai Chunlong;Kang Yan;Volodymyr Ogekor;Wang Lei;Wu Tingting~

2022/00718 ~ Complete ~54:A SYSTEM FOR EVALUATING GENE MUTATIONS AND PREDICTING 3D PROTEIN STRUCTURE FOR LIGAND BINDING ACTIVITY ~71:SAXENA, Ajit Kumar, Department of Pathology / Lab Medicine, All India Institute of Medical Sciences, Patn, India ~72: SAXENA, Ajit Kumar~

2022/00735 ~ Complete ~54:STEROL IN ASPHALT ROOFING MATERIALS ~71:A.L.M. Holding Company, 920 10th Avenue North, ONALASKA 54650, WI, USA, United States of America;Ergon Asphalt & Emulsions, Inc., 2829 Lakeland Drive, JACKSON 39232, MS, USA, United States of America ~72: BAUMGARDNER, Gaylon L.;HANZ, Andrew;REINKE, Gerald H.~ 33:US ~31:62/874,229 ~32:15/07/2019;33:US ~31:62/887,811 ~32:16/08/2019;33:US ~31:63/027,845 ~32:20/05/2020

2022/00675 ~ Complete ~54:CONCENTRIC DOUBLE-SHAFT REVERSING STIRRING COAL SLIME WATER PULPING DEVICE FOR LABORATORIES ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168, TAIFENG STREET, People's Republic of China ~72: CHEN, JIACHENG;LIU, HAIZENG;LV, WENBAO;PAN, HUIKUAN;WANG, LEI;ZHU, DAN~

2022/00681 ~ Complete ~54:TELESCOPIC COAXIAL POWDER FEEDING MULTIFUNCTIONAL NOZZLE ~71:Shenyang City University of Technology, No.111, Shenliao West Road, Economic & Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China;Shenyang Parkerizing CO.,LTD, No.21, Xiaoshizi Street, Dadong Zone, Shenyang City, Liaoning Province, 110042, People's Republic of

China;Shenyang Zhongke Yuchen Technology Co., Ltd , Shenyang, No.1, Offshore Street, Shenyang offshore economic Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: Liang Tianliang;Liu Weijun;Wang Wei~

2022/00697 ~ Complete ~54:WATER RESOURCE PURIFICATION AND ALLOCATION SYSTEM ~71:Institute Of Water Resources for Pastoral Area, MWR, No. 16, University East Road, Saihan District, Hohhot, Inner Mongolia Autonomous Region, 010020, People's Republic of China ~72: BAI, Junwen;CUI, Liping;FENG, Xiu;HAO, Weigang;LIU, Li;LIU, Tiejun;WANG, Jian;WANG, Lixia;WANG, Yaqiong;YUCHI, Wensi~

2022/00702 ~ Complete ~54:PREPARATION METHOD OF HIGH-PERFORMANCE WATERBORNE FLUOROSILICONE RESIN ANTI-CORROSION MATERIAL ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech Zone, Nanchang City, Jiangxi, 330000, People's Republic of China ~72: DONG, Xiaona;SUN, Fuqian;ZENG, Guoping;ZHANG, Jun~

2022/00708 ~ Complete ~54:CAPILLARY NETWORK AND GROUND SOURCE HEAT PUMP TYPE CENTRAL AIR CONDITIONING SYSTEM ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: GONG, Kai;GUANG, Xinxin;YANG, Meiyuan~

2022/00713 ~ Complete ~54:EFFICIENT NETWORK MESSAGE CLASSIFICATION METHOD ~71:ANQING NORMAL UNIVERSITY, 1318 JIXIAN NORTH ROAD, People's Republic of China ~72: CHEN, ZHUO;DONG, XIAOMING;QIAN, MENG~

2022/00714 ~ Complete ~54:CHIP BUDDING METHOD FOR QUECUS MONGOLICA ~71:JILIN PROVINCIAL ACADEMY OF FORESTRY SCIENCES, NO. 3528, LINHE STREET, ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, CHANGCHUN CITY, People's Republic of China ~72: HAN, Jiao;HE, Huaijiang;JI, Li;LI, Yanlong;LIU, Yue;LU, Zhimin;LUO, Ye;SUI, Lilong;SUN, Wei;WANG, Fang;WANG, Jun;YANG, Yuchun;YU, Haiyang;ZHANG, Yanming;ZHANG, Yu;ZHANG, Zhonghui~

2022/00726 ~ Complete ~54:PREPARATION METHOD AND DEVICE FOR PRODUCING RECYCLED FIBER SPINNING SOLUTION USING SOLVENT METHOD ~71:LIST TECHNOLOGY AG, 23 Berstelstrasse, Switzerland ~72: KÖNIG, Sven;KUNKEL, Roland;STEINER, Manuel;WITTE DR., Daniel~ 33:DE ~31:10 2019 116 736.1 ~32:20/06/2019

2022/00733 ~ Complete ~54:ADENOSINE DERIVATIVE AND PHARMACEUTICAL COMPOSITION COMPRISING THE SAME ~71:Brii Biosciences, Inc., WeWork One City Ctr., Unit 05-130, 110 Corcoran St., DURHAM 27701, NC, USA, United States of America ~72: XU, Lianhong~ 33:US ~31:62/879,414 ~32:27/07/2019

2022/00670 ~ Provisional ~54:THE CHILDARAY ~71:Charles Buchler, 699 Tarryn st, Rietvleiview Grootfontein, South Africa;Iwan Buchler, 699 Tarryn st, Rietvleiview Grootfontein, South Africa ~72: Iwan Buchler~

2022/00683 ~ Complete ~54:COMPOSITE HEAT STORAGE SYSTEM OF SAND GREENHOUSE ~71:Qingdao Agricultural University, No.700,Changcheng Road,Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: Li Qingqing;Zhang Weizheng~

2022/00688 ~ Complete ~54:ELECTRIC DRIVING DEVICE AND METHOD FOR WHEAT ROOT PRUNER ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China;Qingdao Congsen Agricultural Machinery Research Institute, No.139 Zhushan Road, Huangdao District, Qingdao City, Shandong Province, 266000,

People's Republic of China ~72: GAO, Shengxu;LIN, Haibo;WANG, Jinfu;XIAO, Chunhong;XIAO, Weifang;XIU, Yufeng;YIN, Dengke~

2022/00696 ~ Complete ~54:INTELLIGENT OPERATION ROBOT FOR LAMP CHANGING AT HIGH ALTITUDE ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: HU, Yaozeng;WANG, Long;YIN, Shuo;ZHANG, Shoudong;ZHANG, Xixiao~

2022/00722 ~ Complete ~54:MULTIVALENT PNEUMOCOCCAL POLYSACCHARIDE-PROTEIN CONJUGATE COMPOSITIONS AND METHODS OF USING THE SAME ~71:SANOFI PASTEUR INC., 1 Discovery Drive, Swiftwater, United States of America;SK BIOSCIENCE CO., LTD, 310, Pangyo-ro, Bundang-gu Seongnam-si, Republic of Korea ~72: AN, Kyungjun;KIM, Hun;KIM, Sunghyun;KYAW, Moe;LEE, Jeong-min;SHIN, Jinhwan;TALAGA, Philippe~ 33:KR ~31:10-2019-0093276 ~32:31/07/2019;33:US ~31:62/949,164 ~32:17/12/2019

2022/00673 ~ Provisional ~54:SURGICAL KIT AND METHOD FOR TREATING GLAUCOMA ~71:LIQID MEDICAL PROPRIETARY LIMITED, 30 Eden Road, Walmer Estate, Cape Town 7925, SOUTH AFRICA, South Africa ~72: FISCHER, Joshua David;MCCLUNAN, Daemon Bruce~

2022/00676 ~ Complete ~54:NOVEL CROSSHEAD TYPE TWO-STROKE STRAIGHT SCAVENGING PISTON ASSEMBLY ~71:SHANDONG JIAOTONG UNIVERSITY, NO.5 JIAOXIAO ROAD, People's Republic of China ~72: BU, ZHICHENG;CUI, WENCHAO;JIAO, BO~

2022/00700 ~ Complete ~54:INCLINED-PIPE-TYPE H-SHAPED UNDERWATER ONLINE SEPARATION SYSTEM FOR CRUDE OIL ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: JIANG, Jingliang;LIU, Chunhua;LIU, Xinfu;SHI, Yun;TAN, Jiwen;ZHANG, Zhonghui~

2022/00721 ~ Complete ~54:NOVEL COMPOSITION COMPRISING ANTIBODIES ~71:ARECOR LIMITED, Chesterford Research Park, Little Chesterford Saffron, United Kingdom ~72: GERRING, David;JEZEK, Jan~ 33:GB ~31:1911461.0 ~32:09/08/2019

2022/00671 ~ Provisional ~54:TRACKING ARRANGEMENT ~71:ALLEN, Keith Richard, c/o eSwatini Wire Industries, First Avenue, Plot 224, Matsapha Industrial Site, MATSAPHA M202, Manzini, THE KINGDOM OF ESWATINI, Swaziland;SIBANDZE, Bonginkosi, 13 Inyanga Residential, 5 Simba Road, SUNNINGHILL 2191, Gauteng, SOUTH AFRICA, South Africa;SIBANDZE, Musa M., Lot No. 173 Tubungu Township, MATSAPHA, THE KINGDOM OF ESWATINI, Swaziland;SIBANDZE, Thembinkosi, 13 Inyanga Residential, 5 Simba Road, SUNNINGHILL 2191, Gauteng, SOUTH AFRICA, South Africa;SIMELANE, Mbongwa, Plot 709, 3rd Street, MATSAPHA, THE KINGDOM OF ESWATINI, Swaziland ~72: ALLEN, Keith Richard;SIBANDZE, Bonginkosi;SIBANDZE, Musa M.;SIBANDZE, Thembinkosi;SIMELANE, Mbongwa~

2022/00674 ~ Provisional ~54:FANO BASED CRAB SENSOR AND SYSTEM FOR FUEL QUALITY, LEVEL, AND VOLUME MONITORING FOR IRREGULAR SHAPED FUEL TANKS ~71:AFRICAN NEW ENERGIES LIMITED, Villa Florita, East Road, St George's Hill, WEYBRIDGE, England KT13 0LF, UNITED KINGDOM, United Kingdom ~72: KHAN, Saad Saleem;LARKIN, Stephen;OMAR, Muhammad;RAW, Brendon;USMAN, Muhammad~

2022/00677 ~ Complete ~54:ABSORPTION AND CONSTANT VOLUME MODULE AND ION CHROMATOGRAPHY ANALYSIS SYSTEM ~71:BGRIMM MTC TECHNOLOGY CO., LTD., A708 AND A701 ,1 BUILDING NO.22 BEIXING ROAD DAXING DISTRICT, People's Republic of China ~72: FANG,

SHENGNAN;FENG, XIANJIN;HAN, PENGCHENG;LI, HUACHANG;SHI, YEHONG;SUN, JIALIANG;YANG, FEI;ZHAO, ZHEN~

2022/00707 ~ Complete ~54:METHOD FOR PREPARING MICROBIAL SELF-LUMINOUS BIOSENSOR USING SELF-LUMINOUS OPERON, CORRESPONDING BIOSENSOR AND USE THEREOF ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, , Qingdao City, Shandong Province , 266109, People's Republic of China ~72: LI, Meijie;LIANG, Bo;LV, Shuzhe;TANG, Ruohao;WANG, Zhaobao;YANG, Jianming~

2022/00734 ~ Complete ~54:BINDING MEMBERS ~71:Scancell Limited, John Eccless House, Robert Robinson Avenue, Oxford Science Park, OXFORD OX4 4GP, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: DURRANT, Linda Gillian;PARSONS, Tina Rose;VANKEMMELBEKE, Mireille~ 33:GB ~31:1910899.2 ~32:31/07/2019

2022/00693 ~ Complete ~54:METHOD FOR STABILIZING AND RESTORING COPPER TAILINGS BY COAL GANGUE AND PLANTS ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Road, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China;Collaborative Innovation Center of Recovery and Reconstruction of Degraded Ecosystem in Wanjiang Basin Co-founded by Anhui Province and Ministry of Education (Anhui Normal University), Huajin South Road, Yijiang District, Wuhu City, Anhui Province, 241003, People's Republic of China;Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic of China ~72: CHU, Zhaoxia;FAN, Tingyu;LU, Fuqing;WANG, Xingming~

2022/00704 ~ Complete ~54:INTEGRATED AND AUTOMATED EARTHWORM BODY FLUID EXTRACTION DEVICE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168, Taifeng Road, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China;Collaborative Innovation Center of Recovery and Reconstruction of Degraded Ecosystem in Wanjiang Basin Co-founded by Anhui Province and Ministry of Education, Anhui Normal University, Anhui Normal University, Huajin South Road, Yijiang District, Wuhu City, Anhui , 241003, People's Republic of China;Huainan Normal University, Dongshan West Road, Huainan City, Anhui Province, 232038, People's Republic of China ~72: CHU, Zhaoxia;FAN, Tingyu;LU, Fuqing;WANG, Xingming~

2022/00716 ~ Complete ~54:METHOD AND DEVICE FOR RESEARCHING INFECTION EFFECTS OF NEMATODES ON ASPERGILLUS FLAVUS UNDER DROUGHT STRESS CONDITIONS ~71:QINGDAO HARVEST AGRICULTURAL SCIENCE AND TECHNOLOGY CO., LTD., NO. 101 LAOSHAN ROAD, People's Republic of China;SHANDONG PEANUT RESEARCH INSTITUTE, NO.126 WANNIANQUAN ROAD, People's Republic of China ~72: CHI, YUCHENG;DENG, JING;GUO, ZHIQING;HE, KANG;LI, YING;SONG, XINYING;SUN, PENGTAO;XU, MANLIN;ZHANG, XIA~

2022/00719 ~ Complete ~54:VARIANT ADENO-ASSOCIATED VIRUSES AND METHODS OF USING ~71:HOWARD HUGHES MEDICAL INSTITUTE, 4000 Jones Bridge Road, Chevy Chase, Maryland, 20815-6789, United States of America;THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 North Franklin Street 5th Floor, Oakland, California, 94607, United States of America ~72: ADAM HANTMAN;ALLA KARPOVA;BUM-YEOL HWANG;DAVID SCHAFFER;DOUGAL GOWANLOCK ROBINSON TERVO;JOSHUA DUDMAN;KIMBERLY RITOLA;LOREN LOOGER;SARADA VISWANATHAN~ 33:US ~31:62/350,361 ~32:15/06/2016;33:US ~31:62/404,585 ~32:05/10/2016

2022/00730 ~ Complete ~54:PALLET ~71:CLARKE, Richard Enslin, 106 Main Road, South Africa ~72: CLARKE, Richard Enslin~

2022/00737 ~ Complete ~54:METHODS AND DEVICES FOR SINGLE-CELL BASED DIGITAL HIGH RESOLUTION MELT ~71:MelioLabs Inc., 3108 Patrick Henry Drive, SANTA CLARA 95054, CA, USA, United

States of America ~72: CHAUDHARY, Amol;PAUL, Shubhdeep;SIMKOVSKY, Ryan;SINHA, Mridu;SRIDHAR, Kaushik~ 33:US ~31:62/874,543 ~32:16/07/2019

2022/00678 ~ Complete ~54:CYTOSINE ANALOG AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168, TAIFENG STREET, People's Republic of China ~72: ZHANG, GUI;ZHANG, XIAOYONG;ZHU, XINGXING~

2022/00724 ~ Complete ~54:ANTI-TAU ANTIBODY AND USE OF SAME ~71:ADEL, INC., DEPARTMENT OF BRAIN SCIENCE, ASAN MEDICAL CENTER COLLEGE OF MEDICINE, UNIVERSITY OF ULSAN, 88, OLYMPIC-RO 43-GIL SONGPA-GU, SEOUL 05505, KOREA, Republic of Korea ~72: YOON, Seung-Yong~ 33:KR ~31:10-2019-0085233 ~32:15/07/2019

2022/00710 ~ Complete ~54:MULTI-LAYER REINFORCED DREDGING PIPE WITH A FLOATING LAYER AND MOLDING PROCESS THEREOF ~71:Shenyang University of Technology, No. 111, Shenliao West Road, Economic and Technological Development Zone, Shenyang, Liaoning, 110870, People's Republic of China ~72: Guo Zhiqiang;Kong Zhanqi;Li Yingmin;Liu Tongyu;Liu Weihua;Liu Yunhe;Ren Yuyan;Shi Minghao;Zhang Yu;Zou Xue~

2022/00732 ~ Complete ~54:MODIFIED FC-REGIONS TO ENHANCE FUNCTIONAL AFFINITY OF ANTIBODIES AND ANTIGEN BINDING FRAGMENTS THEREOF ~71:Scancell Limited, John Eccless House, Robert Robinson Avenue, Oxford Science Park, OXFORD OX4 4GP, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: DURRANT, Linda Gillian;VANKEMMELBEKE, Mireille~ 33:GB ~31:1910900.8 ~32:31/07/2019

2022/00738 ~ Complete ~54:POLYPEPTIDE DIMER WITH HIGH SIALIC ACID CONTENT, COMPRISING EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF IGE FC RECEPTOR, AND PHARMACEUTICAL COMPOSITION COMPRISING SAME ~71:GI INNOVATION, INC., A-1116, 167, Songpa-daero, Songpa-gu, Seoul, 05855, Republic of Korea ~72: BO-GIE YANG;KYUNGWHA LEE;MYOUNG HO JANG~ 33:KR ~31:10-2019-0082217 ~32:08/07/2019

2022/00690 ~ Complete ~54:UNDERREPORTING PREVENTING MANAGEMENT SYSTEM AND METHOD FOR NOTIFIABLE INFECTIOUS DISEASES SUCH AS HAND-FOOT-AND-MOUTH DISEASES, INFLUENZA AND THE LIKE ~71:Nanjing Medical University, 101 Longmian Avenue, Jiangning District, Nanjing, 211166, People's Republic of China;Wuxi Center for Disease Control and Prevention, 499 Jincheng Road, Wuxi City, Jiangsu Province, 214024, People's Republic of China ~72: HUANG, Peng;LU, Bing;SHI, Chao;YU, Rongbin~

2022/00694 ~ Complete ~54:RURAL HOUSING WITH TENON AND MORTISE JOINT PREFABRICATED LIGHTWEIGHT WALLS AND CONSTRUCTION METHOD ~71:Henan University of Urban Construction, Henan University of Urban Construction, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: GUO, Pinggong;MA, Zhengwei;WANG, Songwei;XUE, Na;ZHANG, Fengjian;ZHAO, Jin;ZHOU, Haitao~

2022/00725 ~ Complete ~54:A NATURAL MOSQUITO REPELLENT COMPOSITION AND PROCESS OF PREPARING THE SAME ~71:COROMANDEL INTERNATIONAL LTD., Coromandel House, 1-2-10 Sardar Patel Road, India ~72: BALAJI, Sambamoorthy;JAYABAL, Govindasamy;LAKSHMI KANTHAN, Baburaj;MANIMARAN, Ponnusamy;NARASIMHA RAO, Kothapalli;RAMAMURTHI, Radhakrishnan;SADHASIVAM, Kathiresan;SURESH KUMAR, Chinaga~ 33:IN ~31:201841048985 ~32:24/06/2019

2022/00728 ~ Complete ~54:DEVICE FOR CLASSIFYING A LIGHT SOURCE ~71:THALES, Tour Carpe Diem, Place des Corolles Esplanade Nord, France ~72: BLOOM, Guillaume;COURCOL, Yves;MIDAVAIN, Thierry;THIBOUT, Paul;VERDY, Olivier~ 33:FR ~31:1907907 ~32:15/07/2019

2022/00729 ~ Complete ~54:CAPSULE FOR PREPARING A BEVERAGE ~71:BRAIN CORP SA, Dumontshaff, Luxembourg ~72: BRIVOIS, Olivier~ 33:LU ~31:101279 ~32:24/06/2019;33:LU ~31:101633 ~32:03/02/2020

2022/00742 ~ Complete ~54:METHOD FOR MANUFACTURING A TWO-DIMENSIONAL COLOURED BAR CODE AND ASSOCIATED SECURITY DEVICE ~71:IDEMIA FRANCE, 2, Place Samuel de Champlain, 92400, Courbevoie, France ~72: BENOÎT BERTHE;PAUL AZUELOS~ 33:FR ~31:FR1908087 ~32:17/07/2019

2022/00841 ~ Provisional ~54:A RESTUARANT OR FAST FOOD WHICH FEATURES A CINEMA AND VIDEO GAME AREA ~71:DUMISANI BRIAN MBULI, 3 KOTZE BRAAMFONTEIN, South Africa ~72: DUMISANI BRIAN MBULI ~

2022/00687 ~ Complete ~54:METHOD FOR CULTURING STRAWBERRIES WITH WASTE ROCK WOOL ~71:Suzhou Polytechnic Institute of Agriculture, 279 Xiyuan Road, Suzhou City, Jiangsu, 215008, People's Republic of China ~72: JIANG, Rongrong;LI, Huimin;QIN, Peiliang;XIANG, Shilin;YE, Hailin;ZHANG, Penghui;ZHANG, Yanping~ 33:CN ~31:202111170778.3 ~32:08/10/2021

2022/00699 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR DECREASING HYPERTENSION AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Yueyang Hospital of Traditional Chinese Medicine, Yueyang Hospital of Traditional Chinese Medicine, Fengqiaohu Road, Yueyanglou District, Yueyang City, Hunan, 414000, People's Republic of China ~72: AI, Jinchang~

2022/00709 ~ Complete ~54:FEEDING MECHANISM OF A PROFILE EXTRUSION DIE WITH UNIFORM FEEDING SPEED ~71:Suqian University, No. 399, Huanghe South Road, Suqian City, Jiangsu Province, 223800, People's Republic of China ~72: Hu Changjun;Song Anran~

2022/00711 ~ Complete ~54:NON-IONIC COLLECTOR, PREPARATION METHOD AND APPLICATION THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: GUO, Yuanxin;KONG, Zhe;LI, Qiuyi;ZHENG, Shidong~ 33:CN ~31:202110286281.1 ~32:17/03/2021

2022/00723 ~ Complete ~54:COMPOUND FOR COMBINATION TREATMENT ~71:INITIATOR PHARMA A/S, Ole Maaløes Vej 3, Denmark ~72: COMERMA-STEFFENSEN, Simon;PETERS, Dan;SIMONSEN, Ulf~ 33:EP ~31:19190224.6 ~32:06/08/2019

2022/00727 ~ Complete ~54:NOVEL BSSL ANTIBODIES ~71:LIPUM AB, TVISTEVÄGEN 48C, 907 36 UMEÅ, SWEDEN, Sweden ~72: HERNELL, Olle;LINDQUIST, Susanne;LUNDBERG, Lennart;PERSSON LOTSHOLM, Helena~ 33:SE ~31:1950888-6 ~32:12/07/2019

2022/00739 ~ Complete ~54:WEAR LINER ~71:ELASTOTEC PTY LIMITED, 1/61 Somersby Falls Road, Somersby, New South Wales, 2250, Australia ~72: DAVID MOLESWORTH;JUSTIN MINTO~ 33:AU ~31:2019902116 ~32:18/06/2019

2022/00715 ~ Complete ~54:A FORMULATION AND A METHOD TO DEVELOP TRANSDERMAL FILM FOR THE DELIVERY MODEL PROTEIN DRUG THROUGH NON-INVASIVE ROUTE ~71:ALAM, Md. Aftab, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;CHAUDHARY, Shikha, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;CHAUHAN, Akash, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;DUBEY, Ayush, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;FULORIA, Neeraj Kumar, E-42/2, Subhash Vihar, Street no. 10, North Ghonda, India;FULORIA, Shivkanya, E-42/2, Subhash Vihar, Street no. 10, North Ghonda, India;GUPTA, Saurabh Kumar, Rameshwaram Institute of Technology and Management, Lucknow,

India;MALVIYA, Rishabha, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;MISHRA, Prem Shankar, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;MISHRA, Rakhi, Noida Institute of Engineering and Technology (Pharmacy Institute), Greater Noida, India;NATESAN, Gopal, Faculty of Pharmacy, MAHSA University, Bandar Saujana Putra, Jenjarom, Malaysia;SEKAR, Mahendran, Department of Pharmaceutical Chemistry, Faculty of Pharmacy and Health Sciences, University Kuala Lumpur Royal College of Medicine Perak, Ipoh, Malaysia;SHARMA, Pradeep Kumar, Accurate College of Pharmacy, Knowledge Park III, Greater Noida, India;SUBRAMANIYAN, Vetriselvan, Faculty of Medicine, Bioscience and Nursing, MAHSA University, Jalan SP 2, Bandar Saujana Putra, Jenjarom, Malaysia;SUNDRAM, Sonali, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;VARSHNEY, Sandesh, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India;VERMA, Swati, Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University, Greater Noida, India ~72: ALAM, Md. Aftab;CHAUDHARY, Shikha;CHAUHAN, Akash;DUBEY, Ayush;FULORIA, Neeraj Kumar;FULORIA, Shivkanya;GUPTA, Saurabh Kumar;MALVIYA, Rishabha;MISHRA, Prem Shankar;MISHRA, Rakhi;NATESAN, Gopal;SEKAR, Mahendran;SHARMA, Pradeep Kumar;SUBRAMANIYAN, Vetriselvan;SUNDRAM, Sonali;VARSHNEY, Sandesh;VERMA, Swati~

2022/00684 ~ Complete ~54:METHOD FOR REMOVING RADIOACTIVE CONTAMINATION ON SURFACE OF ARTICLES BY USING ULTRASONIC WAVE AND CHEMICAL METHOD COOPERATIVELY AND ITS APPLICATION ~71:University of South China, 28 Changsheng West Road, Zhengxiang District, Hengyang City, Hunan Province, 421001, People's Republic of China ~72: Hu Eming;Liu Yu;Wang Hongqiang;Wang Qingliang~

2022/00692 ~ Complete ~54:PORTABLE FIELD RUNOFF SCOURING DEVICE ~71:Henan University, 85 Minglun Street, Shunhe Huizu District, Kaifeng City, Henan Province, 475001, People's Republic of China ~72: CAO, Zihao;DING, Shengyan;LIU, Pu;LU, Xunling;WU, Changsong;XU, Shanshan;ZHANG, Yifan;ZHAO, Qinghe~ 33:CN ~31:202120897543.3 ~32:28/04/2021

2022/00731 ~ Complete ~54:COMBINATION THERAPY ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium ~72: COOLS, Marina;DE KEERSMAECKER, Brenda;VAN ASSCHE, Tim~ 33:EP ~31:19182813.6 ~32:27/06/2019

2022/00741 ~ Complete ~54:DENTAL HYDRAULIC CEMENT COMPRISING ULTRAFINE CALCIUM SILICATE PARTICLES HAVING FAST HARDENING AND SUITABLE MECHANICAL PROPERTIES ~71:SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, 58 rue du pont de Créteil, 94100 Saint-Maur-des-Fossés, France ~72: CLÉMENCE CO;GILLES RICHARD;OLIVIER MARIE~ 33:EP ~31:19305951.6 ~32:18/07/2019

2022/00680 ~ Complete ~54:PASSIVE SIMPLE SAW MACHINE WITH EASY DISASSEMBLY AND ASSEMBLY ~71:Taiyuan University of Science and Technology, No. 66, West Middle Ring Road, Wanbolin District, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Chen Jianxun;He Qiusheng;Shuang Yuanhua;Wang Chen;Wang Qiang;Wang Wen;Xu Lu;Yang Shanyuan;Yang Tao;Zhang Binkai;Zhang Min;Zhao Chunjiang;Zhao Yu~

2022/00685 ~ Complete ~54:FABRIC CUTTING PIECE DEFECT-RECOGNITION DEVICE FOR CLOTHING PRODUCTION ~71:Dezhou University, No. 566 University Rd. West, Dezhou City, Shandong Province, 253023, People's Republic of China ~72: SONG, Kexin;WANG, Lei;WANG, Xiuzhi~

2022/00682 ~ Complete ~54:CONTINUOUS PRODUCTION PROCESS OF ZHENGAN WHITE TEA ~71:Guizhou Tea Research Institute, Xiaohu Jinnong Community, Huaxi District, Guiyang City, Guizhou Province, 550006,

People's Republic of China;Guizhou University, Xiaohe Jinnong Community, Huaxi District, Guiyang City, Guizhou Province, 550006, People's Republic of China ~72: LIU, Jianjun;SHEN, Qiang;ZHANG, Xiaoqin;ZHENG, Wenjia~

2022/00689 ~ Complete ~54:BINOCULAR VISION WHEAT SEEDLING TRACK FITTING METHOD
~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: LIN, Haibo;XIU, Yufeng~

2022/00691 ~ Complete ~54:PREPARATION METHOD FOR METALLIC OXIDE CATALYST FOR OXIDATION OF GLYCEROL AND APPLICATION ~71:Henan University, 85 Minglun Street, Shunhe District, Kaifeng City, Henan Province, 475004, People's Republic of China ~72: HUO, Linmeng;MA, Zhe;PU, Yanfeng;QIAO, Congzhen;WANG, Junxiao;WANG, Kaikai;YANG, Hao~

2022/00698 ~ Complete ~54:AXIAL-FLOW TYPE UNDERWATER THREE-STAGE SEPARATION SYSTEM
~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: LIU, Chunhua;LIU, Xinfu;SHANG, Chao;SHAO, Jing;WANG, Youqiang;XIAO, Jianfu~

2022/00712 ~ Complete ~54:DEGRADABLE PLASTIC PENCIL HOLDER AND PREPARING METHOD THEREOF ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, 168 Taifeng Street, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China ~72: DING, Taoguo;HU, Junwei;LI, Chunxia;LIU, Yingying;WANG, Bolin;WANG, Zhoufeng~

2022/00717 ~ Complete ~54:AN AUTOMATIC CROP DISEASE DETECTION SYSTEM ~71:JAIN, Anupama, Department of CSE SIRT Ayodhya bypass road, India;JAIN, Priyank, Department of Information Technology, Indian Institute of Information Technology (IIIT), Bhopal, India;PATLEY, Archana, Govt. Lochan Prasad Pandey College, Sarangarh, India;SAHU, Shriya, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, India;VERMA, Prerna, Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur, India ~72: JAIN, Anupama;JAIN, Priyank;PATLEY, Archana;SAHU, Shriya;VERMA, Prerna~

2022/00736 ~ Complete ~54:METHOD OF TREATING CANCER ~71:Laekna Limited, Unit 417, 4th Floor, Lippo Centre, Tower Two, No. 89, Queensway, Admiralty, HONG KONG 99077, CHINA (P.R.C.), People's Republic of China ~72: LU, Chris;YUE, Yong;ZHANG, Minhua;ZHANG, Ruipeng~ 33:IB ~31:2019/099754 ~32:08/08/2019

2022/00740 ~ Complete ~54:MONITORING DEVICE ~71:THE SMART CONTAINER COMPANY LIMITED, Business Development Centre, Main Avenue, Treforest Industrial Estate, Treforest, Pontypridd, CF37 5UR, United Kingdom ~72: EDUARDO GARCIA;ORLANDO FERRER~ 33:GB ~31:1909617.1 ~32:04/07/2019

2022/00686 ~ Complete ~54:INTELLIGENT FEEDBACK METHOD FOR REMOTE SENSING IMAGE CHANGE INFORMATION RETRIEVAL ~71:Aerospace Information Research Institute, Chinese Academy of Sciences, No. 9 Dengzhuang South Road, Haidian District, Beijing, 100094, People's Republic of China ~72: DAI, Qin;LIU, Jianbo;MA, Caihong~

2022/00705 ~ Complete ~54:NOVEL FIBER-TENSION-ADJUSTABLE THERMOPLASTIC COMPOSITE MATERIAL INFILTRATION DEVICE ~71:Shandong Dingyuan Zhiye New Material Co., Ltd., B11 Floor, Taishan Science and Technology City, High-tech Zone, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: BAI, Shulin;GUO, Zhishan;YUAN, Canyao;ZHANG, Weidong~

2022/00701 ~ Complete ~54:PALLADIUM METAL/CARBON PAPER CATALYST AND ITS PREPARATION METHOD AND APPLICATION ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao University of Science and Technology Shibei District, Qingdao City, Shandong Province, People's Republic of China;Shanlong Antai Environmental Protection Technology Co., Ltd., No.9, Gongye 1st Street,

Xiashan High tech Project Zone, Weifang City, Shandong Province, People's Republic of China ~72: An Dong;Dai Chunlong;Lai Jianping;Wang Lei;Zhang Huadong;Zhao Huan~

2022/00720 ~ Complete ~54:DEVICE FOR DETECTING OPTICAL PULSES ~71:THALES, Tour Carpe Diem, Place des Corolles Esplanade Nord, France ~72: ACHART, Jérôme;BLOOM, Guillaume;LIGERET, Vincent;MIDAVAIN, Thierry;PERROT, Tugdual;PERRUCHOT, Ludovic;THILLOT, Marc~ 33:FR ~31:19 07909 ~32:15/07/2019

- APPLIED ON 2022/01/17 -

2022/00750 ~ Complete ~54:PREPARATION METHOD OF A HEAVY METAL TRAPPING AGENT FOR MINERAL PROCESSING WASTEWATER ~71:Guangxi University, NO. 100 Daxue East Road, Nanning, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: Chen Jianhua;Chen Ye~

2022/00777 ~ Complete ~54:PYRIDIN-3-YL DERIVATIVES ~71:Idorsia Pharmaceuticals Ltd, Hegenheimermattweg 91, ALLSCHWIL 4123, SWITZERLAND, Switzerland ~72: BOLLI, Martin;BROTSCHI, Christine;LESCOP, Cyrille~ 33:IB ~31:2019/065963 ~32:18/06/2019

2022/00749 ~ Complete ~54:PROCESSING METHOD OF OYSTER INSTANT FOOD ~71:Ludong University, No.184, Hongqi Middle Road, Zhifu District, Yantai City, Shandong Province, 264025, People's Republic of China ~72: Han Yijing;Huang Baoyu;Lin Ting;Liu Yaqiong;Song Hongce;Wang Xiaona;Wang Xiaotong;Wei Lei;Xie Chaoyi;Zhang Meiwei~

2022/00760 ~ Complete ~54:KIT FOR DETECTING HAS-MIR-29B-3P AND METHOD THEREOF ~71:The Second Affiliated Hospital of Suzhou University, No. 1055, Sanxiang Road, Gusu District, Suzhou City, Jiangsu Province, 215100, People's Republic of China ~72: Du Hong;Lv Jingnan;Wang Min;Wen Yicheng;Xie Xiaofang;Zhang Haifang;Zhu Jie;Zhu Zhichen~

2022/00768 ~ Complete ~54:BEVERAGE CONTAINING FRUCTUS TRICHOSANTHIS FRUIT EXTRACT AND ITS PREPARATION METHOD ~71:Xuzhou College of Industrial Technology, No. 1, Xiangwang South Road, Gulou District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Chu Donghai;Zhang Xiaohong~

2022/00764 ~ Complete ~54:METHOD FOR CULTIVATING CASTANEA MOLLISSIMA-TUBER AESTIVUM MYCORRHIZAL SEEDLINGS BY USING TREE-FUNGUS MUTUAL SELECTION MECHANISM AND APPLICATION ~71:Guizhou Institute of Biology, No. 1, Longjiang Alley, (Xiaohe) National Economic and Technological Development Zone, Guiyang City, Guizhou, 550009, People's Republic of China ~72: BAI, Hongfen;KANG, Chao;KONG, Ke;LI, Xiangmei;LIU, Qiongbao;LIU, Zengjun;LIU, Zhongxuan;REN, Ang;SHI, Tingyou;WANG, Jing;WANG, Wankun;YANG, Ling;YANG, Yihua;ZENG, Weijun;ZHENG, Xuan~

2022/00790 ~ Complete ~54:METHOD AND DEVICE FOR REALIZING BEAMFORMING ~71:ZTE CORPORATION, ZTE Plaza Keji Road South Hi-Tech Industrial Park Nanshan Shenzhen, Guangdong, 518057, People's Republic of China ~72: GUANGMING DONG~ 33:CN ~31:201910543199.5 ~32:21/06/2019

2022/00744 ~ Provisional ~54:THE CELLULAR PHONE TELEVISION WITH VOICE RECOGNITION AND NEAR FIELD COMMUNICATION TAG READER THE FRONT PANEL BUILT-IN CAMERA. ~71:Ahmed Waseef Saib, 24 Park Avenue, Desainager Tongaat Beach, South Africa ~72: Ahmed Waseef Saib~

2022/00748 ~ Complete ~54:FLAME RETARDANT THERMAL INSULATION MATERIAL AND PREPARATION METHOD THEREOF ~71:Qingdao Comprehensive Administrative Law Enforcement Department For

Development And Reform, 3-4F, Block B, Haixinhuiyuan Business Building, No. 204, Yan'an 3rd Road, Qingdao City, Shandong Province, 266071, People's Republic of China; Qingdao University, No. 308, Ningxia Road, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Zhang Chen; Zhou Dexing~

2022/00755 ~ Complete ~54: INTELLIGENT TEMPERATURE CONTROL SYSTEM BASED ON FLOW CONTROL AND CONTROL METHOD THEREOF ~71: ShanDong JiaoTong University, No. 5, Jiaoxiao Road, Tianqiao District, Jinan City, Shandong, 250023, People's Republic of China; Shandong Feikong Information Technology Co., Ltd., No. 112, Jiefang Road, Jinan City, Shandong, 250013, People's Republic of China ~72: LEI, Xingmao; LIU, Haishen; LIU, Yonghui; TAO, Lili; ZHOU, Changfeng~

2022/00756 ~ Complete ~54: CREEP EXPERIMENT SYSTEM THAT AUTOMATICALLY CONTROLS THE NUMBER OF DISTURBANCES ~71: Liaoning Technical University, 47 Zhonghua Road, Xihe District, Fuxin City, Liaoning Province, People's Republic of China ~72: LIU Jingjing; WANG Pengbo; WANG Zhenmeng; YANG Yuntao; YU Yongjiang; ZHAO Shangqing~

2022/00766 ~ Complete ~54: PREVENTION AND CONTROL METHOD OF ROOF WATER DRIPPING CAUSED BY SEPARATION AND BREAKAGE IN TUNNELING ROADWAY ~71: Anhui University of Science and Technology, No. 168 Taifeng Street, Huainan City, Anhui Province, People's Republic of China; China Coal Science and Industry Group Shenyang Research Institute Co., Ltd., No. 11 Binhe Road, economic development zone, Fushun City, Liaoning Province, People's Republic of China ~72: Hua Xinzhu; Li Huaibin; Liu Xiao; Yang Sen~ 33: CN ~31: 202111611411.0 ~32: 27/12/2021

2022/00769 ~ Complete ~54: DEEP-LEARNING-BASED FAILURE DIAGNOSIS METHOD FOR IGBT TYPE COMMON DIRECT-CURRENT BUS CHARGING DEVICE OF ELECTRIC VEHICLE ~71: Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: GAO, Dexin; LIN, Xihao; YANG, Qing; ZHANG, Shiyu; ZHENG, Xiaoyu~

2022/00775 ~ Complete ~54: COMPOSITIONS FOR THE TREATMENT OF HAIR LOSS ~71: ANEIRA PHARMA, INC., 4660 La Jolla Village Drive, Suite 100 & 200, United States of America ~72: WURST, John Edward~ 33: US ~31: 62/883,809 ~32: 07/08/2019; 33: US ~31: 62/895,869 ~32: 04/09/2019; 33: US ~31: 63/100,611 ~32: 23/03/2020

2022/00788 ~ Complete ~54: CARTRIDGE FOR DISPENSING A MATERIAL ~71: SEPTODONT OU SEPTODONT SAS OU SPECIALITES SEPTODONT, 58 rue du pont de Créteil, 94100 Saint-Maur-des-Fossés, France ~72: CLÉMENCE CO; GILLES RICHARD; LAURENT ARTAUD; OLIVIER CHABRIER; OLIVIER MARIE~ 33: EP ~31: 19187180.5 ~32: 19/07/2019

2022/00747 ~ Complete ~54: LASER PROPULSION METHOD OF GRAPHENE IN RARE GAS ~71: Qingdao University of Science and Technology, No. 99, Songling Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: Wang Lei~

2022/00751 ~ Complete ~54: A NUMERICAL SIMULATION METHOD OF CONCRETE STRUCTURE FAILURE PROCESS BASED ON DISCRETE ELEMENT ~71: Beihua University, Beihua University, 3999 Binjiang East Road, Jilin City, Jilin Province, People's Republic of China ~72: Jian Zhenpeng; Li Ziming; Qu Guanglei; Wang Jian; Wang Xianli; Yang Xujiao; Zhao Huan~

2022/00774 ~ Complete ~54: PREPARATION METHOD OF 2-FORMATE INDOLIZINE COMPOUND ~71: SHIHEZI UNIVERSITY, No. 211, Beisi Road, Shihezi City, People's Republic of China ~72: HUANG, Cheng; LI, Shiwu; LUO, Yujiao; ZHAO, Yujie; ZHAO, Zhifei~

2022/00780 ~ Complete ~54:COMBINATION OF HEPATITIS B VIRUS (HBV) VACCINES AND ANTI-PD-1 OR ANTI-PD-L1 ANTIBODY ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, Ringaskiddy, CO CORK, IRELAND, Ireland ~72: DE CREUS, An Martine M.;HORTON, Helen;VAN GULCK, Ellen Rosalie A.~ 33:US ~31:62/862,791 ~32:18/06/2019

2022/00784 ~ Complete ~54:ANTI-CD3E/BCMA BISPECIFIC ANTIBODY AND USE THEREOF ~71:BEIJING WISDOMAB BIOTECHNOLOGY CO., LTD, Unit A-738, Building No. 2 No. 22 Tongji North Road Beijing Economic and Technological Development Area, Beijing, 101111, People's Republic of China;CHONGQING GENRIX BIOPHARMACEUTIAL CO., LTD., Block A, Building 2, No. 699, Maliu Avenue, Banan District, Chongqing, 401319, People's Republic of China;GENRIX (SHANGHAI) BIOPHARMACEUTICAL CO., LTD., 5/f, Building 1, 581 Shenkuo Road, China (Shanghai) Pilot Free Trade Zone, Shanghai, 201203, People's Republic of China ~72: JINGJING GUO;JUNJIE HU;SHUNAN WAN;XIAOBO HAO;YULAN LIU;ZHIGANG LIU~ 33:CN ~31:201910532734.7 ~32:19/06/2019

2022/00746 ~ Complete ~54:MODULAR COMBINED ADJUSTABLE VIBRATION DAMPING TRACK ~71:Taiyuan University of Science and Technology, No. 66, Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Meng Wenjun;Ren Hong;Sun Zhengyu;Yan Bijuan;Zhang Biao;Zhao Zhangda~

2022/00743 ~ Provisional ~54:ALARM CLOCK BUILT-IN NEAR FIELD WIRELESS COMMUNICATIONS TAG READER AND VOICE RECOGNITION AND HANDS-FREE CALLING AND PROJECTOR. ~71:Ahmed Waseef Saib, 24 Park Avenue,Tonga Beach, Desainer, South Africa ~72: Ahmed Waseef Saib~

2022/00761 ~ Complete ~54:METHOD FOR PREPARING AROMATIC NITRO CHIRAL COMPOUND CONTAINING IMIDAZOLE STRUCTURE ~71:Shihezi University, No. 211, Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832003, People's Republic of China ~72: CHEN, Xiangjie;LI, Shiwu;REN, Yingzheng;ZHAO, Yujie~

2022/00763 ~ Complete ~54:METHOD FOR PREPARING HIGH-STRENGTH FOAM GLASS MATERIALS BY USING COPPER TAILINGS ~71:Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi, 330096, People's Republic of China ~72: AI, Xianbin;HAN, Fei;LI, Xiaohui;XI, Shuyue;XI, Xiping;XIE, Yunsheng;YAN, Heng~

2022/00787 ~ Complete ~54:COSMETIC TREATMENT METHOD AND ASSEMBLY FOR PERFORMING SAID METHOD ~71:L'OREAL, 14 rue Royale, 75008, Paris, France ~72: FRANCK GIRON;HENRI SAMAIN;JEAN-BAPTISTE BLANC;LEAH LEGOAI~ 33:FR ~31:FR1908749 ~32:31/07/2019

2022/00745 ~ Provisional ~54:VEHICLE ACCESSORY ~71:Richard Douglas Chadwick, West RD North, South Africa ~72: Richard Douglas Chadwick~

2022/00765 ~ Complete ~54:A METHOD AND APPLICATION OF JUJONGGE FIRE PREDICTION BASED ON UAV VISION ~71:Hunan Agricultural University, No. 1 Nongda Road, Furong District, Changsha City, Hunan Province, People's Republic of China;LIU Bo, No. 1 Nongda Road, Furong District, Changsha City, Hunan Province, People's Republic of China ~72: CAO Zhichao;LIU Bo;TANG Hui~

2022/00776 ~ Complete ~54:GRAVITY-BASED ENERGY STORAGE SYSTEM ~71:GRAVITRICITY LTD, 128 PITT STREET, United Kingdom ~72: FRAENKEL, PETER;FRANKLIN, MILES~ 33:GB ~31:1909349.1 ~32:28/06/2019

2022/00782 ~ Complete ~54:NOVEL INTERGENIC SEQUENCE REGIONS AND USES THEREOF
~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: DAVIS, Ian W.~ 33:US ~31:62/875,752 ~32:18/07/2019

2022/00791 ~ Complete ~54:SOLS, MULTIFUNCTIONAL APPLICATIONS OF SOLS, AND ASSOCIATED PRODUCTS ~71:SOL-GEL MATERIALS & APPLICATIONS LTD, Unit B1093A Kent Science Park Galley Drive Sittingbourne, United Kingdom ~72: ISMAIL, Fanya~ 33:GB ~31:1910744.0 ~32:26/07/2019;33:GB ~31:1910748.1 ~32:26/07/2019;33:GB ~31:2001928.7 ~32:12/02/2020;33:GB ~31:PCT/GB2020/050325 ~32:12/02/2020

2022/00762 ~ Complete ~54:METHOD FOR RAPIDLY IDENTIFYING PURITY OF WATERMELON VARIETY LUHONGMI 520 BY SSR MOLECULAR MARKERS ~71:Vegetable Research Institute, Shandong Academy of Agricultural Sciences, No.202 Industrial North Road, Licheng District, Jinan City, Shandong Province, 250131, People's Republic of China ~72: Dong Yumei;Gao Chao;Jiao Zigao;Sun Jianlei;Wang Chongqi;Wang Shoumin;Wei Hongzhuan;Xiao Shouhua;Zhao Ping~

2022/00783 ~ Complete ~54:COMBINATION OF HEPATITIS B VIRUS (HBV) VACCINES AND HBV-TARGETING RNAI ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, Ringaskiddy, CO CORK, IRELAND, Ireland ~72: BERKE, Jan Martin;DE CREUS, An Martine M.;HORTON, Helen~ 33:US ~31:62/862,764 ~32:18/06/2019

2022/00789 ~ Complete ~54:ISOXAZOLINE PARASITICIDE FORMULATIONS AND METHODS FOR TREATING BLEPHARITIS ~71:TARSUS PHARMACEUTICALS, INC., 15440 Laguna Canyon Road, Suite 160, Irvine, California, 92618, United States of America ~72: BOBAK ROBERT AZAMIAN;DOUGLAS MICHAEL ACKERMANN;JOSEPH VEHIGE;SHAWN HICKOK~ 33:US ~31:62/863,822 ~32:19/06/2019;33:US ~31:63/029,689 ~32:25/05/2020

2022/00753 ~ Complete ~54:A ROBOT MOVING METHOD BASED ON FIREFLY OPTIMIZED PATH WITH VARIABLE OBJECTIVE FUNCTION ~71:Changsha University of Science and Technology, No. 960, Section 2, Wanjiali South Road, Tianxin District, Changsha City, Hunan Province, 410114, People's Republic of China ~72: CHENG, Wei;FAN, Xingjiang;HOU, Zhixiang;LI, Fengling;TIAN, Xiao;YIN, Zheng'an;YOU, Qingru~ 33:CN ~31:202110636332.9 ~32:08/06/2021

2022/00754 ~ Complete ~54:VALVE BODY SEPARATION ALARM SYSTEM FOR NON-MAGNETIC TEMPERATURE CONTROL VALVE AND CONTROL METHOD THEREOF ~71:ShanDong JiaoTong University, No. 5, Jiaoxiao Road, Tianqiao District, Jinan City, Shandong, 250023, People's Republic of China;Shandong Feikong Information Technology Co., Ltd., No. 112, Jiefang Road, Jinan City, Shandong, 250013, People's Republic of China ~72: LEI, Xingmao;LIU, Haishen;LIU, Yonghui;TAO, Lili;ZHOU, Changfeng~

2022/00758 ~ Complete ~54:AEROSOL PARTICLE SIZE DISTRIBUTION INVERSION SYSTEM WITH MULTI-WAVELENGTH LASER RADAR ~71:Taizhou Polytechnic College, No. 8, Tianxing Road, Medical High-tech Zone, Taizhou City, Jiangsu Province, 225323, People's Republic of China ~72: CHEN, Zhen;DUAN, Yanyan;LI, Ping;LIU, Zhenxing;LU, Jianfeng~

2022/00767 ~ Complete ~54:PREPARATION METHOD OF ENERGY-SAVING LOW-SULFUR LOW-ASH ENVIRONMENT-FRIENDLY COAL WATER SLURRY ~71:Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi, 330096, People's Republic of China ~72: AI, Xianbin;LI, Xiaohui;SUN, Liyuan;TU, Mengzi;XI, Shuyue;XI, Xiping;YANG, Lei~

2022/00773 ~ Complete ~54:DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA ~71:ALCRESTA THERAPEUTICS, INC., One Newton Executive Park, Suite 100, Newton,

Massachusetts, 02462, United States of America ~72: DAVID WIDOM;ERIC FIRST~ 33:US ~31:62/546,817
~32:17/08/2017;33:US ~31:15/998,410 ~32:15/08/2018

2022/00786 ~ Complete ~54:A PRESSER FOOT MODULE FOR A TUFTING MACHINE ~71:VANDEWIELE NV, Michel Vandewielestraat 7, 8510, Kortrijk (Marke), Belgium ~72: FRANK CALLENS;FRANK SHANLEY;KRISTOF OOSTERLYNCK;VINCENT LAMPAERT~ 33:GB ~31:1908846.7 ~32:20/06/2019

2022/00757 ~ Complete ~54:AUTOMATIC LIFTING CONTROL SYSTEM FOR TRANSPLANTING MECHANISM OF RIDE-ON RICE TRANSPLANTER ~71:CHONGQING UNIVERSITY OF ARTS AND SCIENCES, NO.319, HONGHE AVENUE, YONGCHUAN DISTRICT, People's Republic of China ~72: BAI, Yao;GONG, Lian;HU, Xin;LI, Bin;LI, Qiang;LIAO, Qi;LV, Cheng;ZHAO, Lijun~ 33:CN ~31:202111670681.9 ~32:31/12/2021

2022/00781 ~ Complete ~54:COMBINATION OF HEPATITIS B VIRUS (HBV) VACCINES AND HBV-TARGETING RNAI ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, Ringaskiddy, CO CORK, IRELAND, Ireland ~72: BERKE, Jan Martin;DE CREUS, An Martine M.;HORTON, Helen~ 33:US ~31:62/862,754 ~32:18/06/2019

2022/00842 ~ Provisional ~54:TCS CEMETERY MANAGEMENT SYSTEM ~71:JOHN MASOKO, 31 LINKS THE OAKS GOLF ESTATE,, South Africa ~72: JOHN MASOKO~

2022/00843 ~ Provisional ~54:TCS EASY INTELLIGENCE REPORTING ~71:JOHN MASOKO, 31 LINKS THE OAKS GOLF ESTATE,, South Africa ~72: JOHN MASOKO~

2022/00771 ~ Complete ~54:FAST METHOD FOR SOLVING WIDE ANGLE ELECTROMAGNETIC SCATTERING CHARACTERISTICS OF CONDUCTOR OBJECTS ~71:Suzhou University, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou City, Anhui Province, 234000, People's Republic of China ~72: Fu Panpan;Gao Yalan;Jiang Fei;Li Songzhou;Qiu Huili;Tang Jiakang;Wang Sheng~ 33:CN ~31:202111521040.7 ~32:13/12/2021

2022/00785 ~ Complete ~54:A TUFTING MACHINE ~71:VANDEWIELE NV, Michel Vandewielestraat 7, 8510, Kortrijk (Marke), Belgium ~72: FRANK CALLENS;KRISTOF OOSTERLYNCK~ 33:GB ~31:1908847.5 ~32:20/06/2019

2022/00752 ~ Complete ~54:POLYVINYL ALCOHOL (PVA) MODIFIED WITH DEGRADABLE COMPOUND PLASTICIZER AND PREPARATION METHOD THEREFOR ~71:Shenyang University of Technology, 111 Shenhao West Road, Economic and Technological Development Zone, Tiexi District, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: LI, Fenghong~

2022/00759 ~ Complete ~54:CATERPILLAR BINDER OF HERBACEOUS MULBERRY ~71:Shandong Agricultural University, 61 Daizong Street, Taishan District, Tai'an City, Shandong Province, 271099, People's Republic of China ~72: LI, Fade;LI, Shasha;SONG, Zhanhua;TIAN, Fuyang;YAN, Yinfa;ZHANG, Jin;ZHAO, Yongcai~

2022/00770 ~ Complete ~54:METHOD FOR BLASTING-FREE ROOF CUTTING AND PRESSURE RELIEF OF GOB-SIDE ENTRY IN SOFT ROOF COAL SEAM ~71:Anhui University of Science and Technology, No.168 Taifeng Street, Huainan City, Anhui Province, People's Republic of China;China Coal Science and Industry Group Shenyang Research Institute Co., Ltd., No.11 Binhe Road, economic development zone, Fushun City, Liaoning Province, People's Republic of China ~72: Chang Guanfeng;Hua Xinzhu;Li Chen;Liu Xiao;Wang Enqian~ 33:CN ~31:202111616105.6 ~32:27/12/2021

2022/00779 ~ Complete ~54:COMBINATION OF HEPATITIS B VIRUS (HBV) VACCINES AND ANTI-PD-1 ANTIBODY ~71:Janssen Sciences Ireland Unlimited Company, Barnahely, RINGASKIDDY, CO CORK, IRELAND, Ireland ~72: DE CREUS, An Martine M.;HORTON, Helen;VAN GULCK, Ellen Rosalie A.~ 33:US ~31:62/862,774 ~32:18/06/2019

2022/00772 ~ Complete ~54:A METHOD FOR EVALUATING WATER TRAFFIC CONDITIONS BASED ON FUZZY RULES ~71:Shanghai Maritime University, Room 213, Administrative Building, Shanghai Maritime University, No. 1550 Haigang Avenue, Pudong District, Shanghai, People's Republic of China;Shanghai Ship and Shipping Research Institute, No. 600 Minsheng Road, Pudong District, Shanghai, People's Republic of China ~72: Bangping Gu;Bing Han;Chaofeng Li;Feixiang Shi;Huafeng Wu;Xianglong Xu;Xinqiang Chen;Yang Sun;Yongsheng Yang;Zhongdai Wu~ 33:CN ~31:202210007481.3 ~32:04/01/2022

2022/00778 ~ Complete ~54:PROCESS FOR CONVERTING HYDROCARBONS TO PRODUCTS ~71:SCW Systems B.V., Diamantweg 36, ALKMAAR 1812 RC , THE NETHERLANDS, Netherlands ~72: ESSING, Gerardus Cornelus Otto Bernard;KNOPS, Paulus Carolus Marie;LACHMAN, Vikash Avinash~ 33:EP ~31:19186978.3 ~32:18/07/2019

- APPLIED ON 2022/01/18 -

2022/00794 ~ Provisional ~54:IMPROVEMENTS IN OR RELATING TO GOLF SCOOTER ~71:Paratrak (Pty)Ltd, Paratrak (Pty)Ltd, 325 Waterfall Hills Estate, South Africa ~72: Richard Roy Wood, Roy Canstant Wood~

2022/00800 ~ Complete ~54:ZIRCONIA CERAMIC PASTE AND PREPARATION METHOD THEREOF ~71:Dongguan University of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong, 523808, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;LI, Tao;YE, Yanyuan~

2022/00813 ~ Complete ~54:A METHOD FOR MONITORING THE SAFETY OF THE EXISTING INTERSECTING TUNNEL WHEN CONSTRUCTING AN UNDERCROSSING HIGH-SPEED RAILWAY TUNNEL ~71:CHINA RAILWAY NO.8 ENGINEERING GROUP CO., LTD., No. 68 Jinke East Road, Jinniu District Chengdu, People's Republic of China;NO.3 ENGINEERING COMPANY OF CHINA RAILWAY NO.8 ENGINEERING GROUP CO., LTD., No. 1 Jiancai Alley, Chaoyangdong Road, Nanming District Guiyang, People's Republic of China ~72: DENG, Cunjun;GONG, Sikun;GUO, Xiangwu;LI, Jun;LIU, Jiayin;MA, Wenrong;TANG, Jianhe;WANG, Zhiyong;XI, Liping;XIAN, Wenjiao;ZHAO, Daiqiang;ZHAO, Zhi~ 33:CN ~31:202110061130.6 ~32:18/01/2021

2022/00820 ~ Complete ~54:MOLECULES THAT BIND TO TDP-43 FOR THE TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS AND RELATED DISORDERS ~71:BIOHAVEN THERAPEUTICS LTD., 215 Church Street, New Haven, Connecticut, United States of America ~72: BINDER, Randall, J.;CARLSEN, Marianne;JIN, Xiao;REITZ, Allen, B.;REMEUR, Camille;SMITH, Garry, R.~ 33:US ~31:62/890,493 ~32:22/08/2019

2022/00827 ~ Complete ~54:PRETOMANID COMPOSITIONS ~71:The Global Alliance for TB Drug Development, Inc., 40 Wall Street, 24th Floor, NEW YORK 10005, NY, USA, United States of America ~72: GOLD, Thomas Brad;LEONARD, Graham Stanley;TANEJA, Rajneesh~ 33:US ~31:62/876,257 ~32:19/07/2019

2022/00839 ~ Complete ~54:THERMAL TRANSFER DEVICE AND STORAGE SYSTEMS INCLUDING SAME ~71:ALGESACOOING PTY LTD, C/- Michael Buck IP, PO Box 78, Australia ~72: RICHARDS, Alan~ 33:AU ~31:2019902148 ~32:20/06/2019

2022/00793 ~ Provisional ~54:PRODUCTION OF TITANIUM METAL POWDER ~71:VAN VUUREN, David, Steyn, 274 ALBERT STREET, WATERKLOOF, 0181, PRETORIA, SOUTH AFRICA, South Africa ~72: VAN VUUREN, David, Steyn~

2022/00812 ~ Complete ~54:REDUCING BANDWIDTH REQUIREMENTS OF VIRTUAL COLLABORATION SESSIONS ~71:International Business Machines Corporation, New Orchard Road, ARMONK 10504, NY, USA, United States of America ~72: KURIEN, Toby;YOUNG, Richard Allen~ 33:US ~31:17/454,068 ~32:09/11/2021

2022/00826 ~ Complete ~54:ONE PACK AMBIENT CURE CROSSLINKABLE COPOLYMERS OF VINYL BRANCHED ESTER AND VINYL SILANE COMPOSITIONS AND USE THEREOF ~71:Hexion Inc., 180 East Broad Street, COLUMBUS 43215, OH, USA, United States of America ~72: HEYMANS, Denis~ 33:EP ~31:19075011.7 ~32:30/07/2019

2022/00831 ~ Complete ~54:A SYSTEM FOR SERVING LEGAL DOCUMENTS FOR INITIATING LEGAL PROCEEDINGS ~71:ABC2 WEALTH & INVESTMENTS (PTY) LTD, 11 WESTRIDGE, WEDDERWILL COUNTRY ESTATE, SOMERSET WEST, WESTERN CAPE, 7130, SOUTH AFRICA, South Africa ~72: DU PLOOY, Jan Johannes Abraham~ 33:ZA ~31:2019/04449 ~32:08/07/2019;33:ZA ~31:2019/08336 ~32:13/12/2019;33:ZA ~31:2020/02700 ~32:13/05/2020

2022/00798 ~ Complete ~54:ULTRAVIOLET IRRADIATION DEVICE FOR ANORECTAL IRRADIATION ~71:The Second Affiliated Hospital of Shandong First Medical University, No. 366, Taishan Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: WANG, Peng~

2022/00806 ~ Complete ~54:EFFICIENT AND ENVIRONMENT-FRIENDLY NEGATIVE OXYGEN ION GENERATING AGENT AND PREPARATION METHOD THEREOF ~71:Jiangxi Qingda high-end Technology Service Co. , Ltd., 223-203,204,2nd Floor, Building 1, Kechuang Center, No. 798, Lianxi Avenue, Lianxi District, Jiujiang City, Jiangxi Province, 332900, People's Republic of China ~72: Zhang Xiaohao~

2022/00817 ~ Complete ~54:METHOD AND APPARATUS FOR PREPARING FOOD GRADE NANOFIBER PRESERVATION FILM ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, No. 9 Donghua Road, Fengyang County, Chuzhou City, People's Republic of China ~72: CHENG, Bin;GONG, Zihan;LI, Jingjun;WEI, Lanlan;WU, Hang;XU, Danni;YANG, Huan;YANG, Yanyan;YANG, Yuetian;ZHAI, Ligong;ZHANG, Kaijing;ZHANG, Wangang;ZHENG, Haibo;ZHU, Shuaijie~

2022/00835 ~ Complete ~54:IDENTIFICATION OF RESISTANCE GENES FROM WILD RELATIVES OF BANANA AND THEIR USES IN CONTROLLING PANAMA DISEASE ~71:EG CROP SCIENCE, INC., 1801 Sunset Place Suite C, Longmont, Colorado, 80501, United States of America ~72: WALTER MESSIER~ 33:US ~31:62/866,872 ~32:26/06/2019;33:US ~31:62/912,010 ~32:07/10/2019

2022/00809 ~ Complete ~54:DEVICE, METHOD AND EARLY WARNING SYSTEM FOR MONITORING BLOCK BRAKE CLEARANCE OF ELEVATOR ~71:Changshu Institute of Technology, NO.99 Hushan Road, Changshu City, Jiangsu Province, 215500, People's Republic of China ~72: Ding Jianxin;Ge Yang;Liu Junjun;Ma Jiaxin;Ma Lingyun;Qin Jiancong;Ren Yong;Xu Benlian;Yin Qihang;Zhang Fusheng~

2022/00823 ~ Complete ~54:METHOD AND APPARATUS FOR RECOVERY OF MAGNETITE AND MAGNETITE BEARING ELEMENTS FROM A SLURRY ~71:DRP Ventures Inc., 1005 Belgo Road, KELOWNA V1X 3A9, BC, CANADA, Canada ~72: MILES, David Roger;WATSON, Peter Thomas~ 33:CA ~31:3050235 ~32:19/07/2019;33:US ~31:62/876,442 ~32:19/07/2019

2022/00853 ~ Complete ~54:MICRON CARBON SPHERES AND PREPARATION METHOD THEREOF ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, SCHOOL OF ENVIRONMENT AND SAFETY

ENGINEERING, QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.53 ZHENGZHOU ROAD, QINGDAO CITY, People's Republic of China; WEIFANG GUANGHUA FINE CHEMICAL CO., LTD, NO.015 SHOP, BUILDING NO.11, NO.399 YINGHAO BUSINESS CITY, XINHAI AVENUE, WEIFANG BINHAI ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, WEIFANG CITY, People's Republic of China ~72: Anyuan ZHANG; Bin LI; Lei WANG; Xinxin LI; Yu YANG; Zhenhua DANG~

2022/00815 ~ Complete ~54: ACQUISITION METHOD FOR SOYBEAN PROTEIN CONTENT-RELATED QTL AND MOLECULAR MARKER, MOLECULAR MARKER, AND APPLICATION ~71: NORTHEAST AGRICULTURAL UNIVERSITY, No. 600 Changjiang Road, Xiangfang District, Harbin, People's Republic of China ~72: CHEN, Qingshan; DU, Xiangyu; HAN, Xue; QI, Zhaoming~

2022/00829 ~ Complete ~54: SECOND GENERATION SENECA VALLEY VIRUS ONCOLYTIC THERAPY: COMPOSITIONS AND METHODS THEREOF ~71: Seneca Therapeutics, Inc., 202 St. Andrews Court, BLUE BELL 19422, PA, USA, United States of America; The Trustees of Columbia University in the City of New York, 535 West 116th Street, 412 Low Memorial Library, NEW YORK 10027, NY, USA, United States of America ~72: HALLENBECK, Paul L.; RACANIELLO, Vincent R.; ROSENFELD, Amy B. ~ 33: US ~31: 62/876,191 ~32: 19/07/2019

2022/00799 ~ Complete ~54: REUTILIZATION MECHANISM OF SLM PRINTER POWDER FOR CONFORMAL WATERWAY FORMING ~71: Dongguan University Of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong, 523808, People's Republic of China ~72: CHEN, Shenggui; LI, Nan; SHANG, Xin; ZHOU, Zirong~

2022/00821 ~ Complete ~54: DECORATIVE PANEL AND METHOD OF PRODUCING SUCH A PANEL ~71: I4F LICENSING NV, Oude Watertorenstraat 25, Belgium ~72: BOUCK; Eddy Alberic ~ 33: NL ~31: 2023587 ~32: 29/07/2019

2022/00837 ~ Complete ~54: DATA PRESERVATION USING MEMORY APERTURE FLUSH ORDER ~71: MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: MALLIK BULUSU; NEERAJ LADKANI; RAVI MYSORE SHANTAMURTHY; TOM L NGUYEN ~ 33: US ~31: 16/546,337 ~32: 21/08/2019

2022/00797 ~ Complete ~54: POROUS ALUMINIUM OXIDE-TIN CERAMIC MATERIAL AND PREPARATION METHOD THEREOF ~71: Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: FENG, Xiumei; XIA, Xiaoliang; XIN, Liguang; ZHANG, Huili~

2022/00807 ~ Complete ~54: INTELLIGENT FINANCIAL SERVICE TERMINAL SYSTEM BASED ON INTERNET OF THINGS AND BIG DATA DUAL CHANNELS ~71: West Anhui University, Hexi, Lu'an City, Anhui Province, People's Republic of China ~72: Cheng Junhui; Huang Ji; Huang Xiaojiao; Ji Tiantian; Wang Wenming; Zhao Jiangdong~

2022/00818 ~ Complete ~54: NANO-TITANIUM DIOXIDE AND PREPARATION METHOD THEREOF ~71: QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, SCHOOL OF ENVIRONMENT AND SAFETY ENGINEERING, QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.53 ZHENGZHOU ROAD, QINGDAO CITY, People's Republic of China; WEIFANG GUANGHUA FINE CHEMICAL CO., LTD, NO.015 SHOP, BUILDING NO.11, NO.399 YINGHAO BUSINESS CITY, XINHAI AVENUE, WEIFANG BINHAI ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, WEIFANG CITY, People's Republic of China ~72: Anyuan ZHANG; Bin LI; Lei WANG; Yu YANG; Yunmei DU; Zhenhua DANG~

2022/00832 ~ Complete ~54:A METHOD AND AN APPARATUS FOR AT LEAST PARTIALLY DRAINING AN OPERATING SYSTEM ~71:MEXICHEM FLUOR S.A. DE C.V., Eje 106 (sin número), Zona Industrial, Mexico ~72: LOW, Robert~ 33:GB ~31:1910839.8 ~32:30/07/2019

2022/00836 ~ Complete ~54:HARDWARE ACCELERATION FOR FUNCTION PROCESSING ~71:MICROSOFT TECHNOLOGY LICENSING, LLC, One Microsoft Way, Redmond, Washington, 98052-6399, United States of America ~72: BRIAN JACOB CORELL;PRATEEK TANDON~ 33:US ~31:16/555,927 ~32:29/08/2019

2022/00802 ~ Complete ~54:NOVEL NON-HEAT-SEALABLE TEA FILTER PAPER AND PREPARATION METHOD THEREOF ~71:Guangning Zhengda Special Paper Co., Ltd., High-tech Industrial Park, Guangning County, Zhaoqing City, Guangdong Province, 526300, People's Republic of China ~72: DONG, Fu;DONG, Fudian;DONG, Yeqing;FANG, Shangren~ 33:CN ~31:202110769773.6 ~32:07/07/2021

2022/00814 ~ Complete ~54:A SEEDLING SUBSTRATE AND ITS PREPARATION METHOD AND APPLICATION ~71:INSTITUTE OF SOIL SCIENCE, CHINESE ACADEMY OF SCIENCES, No. 71 East Beijing Road, People's Republic of China ~72: LIU, Guangming;SHI, Xuezheng;SUN, Weixia;WANG, Meiyang~ 33:CN ~31:202111222358.5 ~32:20/10/2021

2022/00828 ~ Complete ~54:6,7-DIHYDRO-5H-PYRIDO[2,3-C]PYRIDAZINE DERIVATIVES AND RELATED COMPOUNDS AS BCL-XL PROTEIN INHIBITORS AND PRO-APOPTOTIC AGENTS FOR TREATING CANCER ~71:Les Laboratoires Servier, 35 rue de Verdun, SURESNES 92284, FRANCE, France;Vernalis (R&D) Limited, Granta Park, CAMBRIDGE CB21 6GB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: BEDFORD, Simon;CHANRION, Maïa;COLLAND, Frédéric;DAVIDSON, James Edward Paul;DODSWORTH, Mark Philip;HERNER, András;KOTSCHY, András;MARAGNO, Ana Leticia;MURRAY, James Brooke;NOVAK, Tibor;PACZAL, Attila;SANDERS, Emma;STARCK, Jérôme-Benoit;TIMÁRI, Mátyás Pál;WEBB, Paul~ 33:EP ~31:19188749.6 ~32:29/07/2019

2022/00838 ~ Complete ~54:STABLE COMPOSITIONS OF MRNA-LOADED LIPID NANOPARTICLES AND PROCESSES OF MAKING ~71:TRANSLATE BIO, INC., 29 Hartwell Avenue, Lexington, Massachusetts, 02421, United States of America ~72: ASHISH SARODE;FRANK DEROSA;MICHAEL HEARTLEIN;NATALIA VARGAS MONTOYA;PRIYAL PATEL;SHRIRANG KARVE~ 33:US ~31:62/877,597 ~32:23/07/2019

2022/00792 ~ Provisional ~54:BOLT LOCKS ~71:STRYDOM, Hendrik Gerhardus, 14 Dyer Street, South Africa ~72: STRYDOM, Hendrik Gerhardus~

2022/00811 ~ Complete ~54:DIAGNOSTIC METHODS FOR T CELL THERAPY ~71:Kite Pharma, Inc., 2400 Broadway, SANTA MONICA 90404, CA, USA, United States of America;The United States of America, as represented by The Secretary, Department of Health and Human Services, Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, BETHESDA 20892-7660, MD, USA, United States of America ~72: BOT, Adrian;GO, William;JAIN, Rajul;KOCHENDERFER, James N.;ROSENBERG, Steven A.;WIEZOREK, Jeffrey S.~ 33:US ~31:62/167,738 ~32:28/05/2015;33:US ~31:62/262,111 ~32:02/12/2015

2022/00796 ~ Complete ~54:AUTOMATIC DETECTION SYSTEM OF VISUAL DEFECTS ~71:Dongguan University Of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong, 523808, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;OU, Yongcong;ZHOU, Zirong~

2022/00819 ~ Complete ~54:TINIDAZOLE ORGANIC MEDICAMENT SUPRAMOLECULAR COCRYSTAL AND PREPARATION METHOD THEREOF ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, SCHOOL OF ENVIRONMENT AND SAFETY ENGINEERING, QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.53 ZHENGZHOU ROAD, QINGDAO CITY, People's Republic of China;WEIFANG

GUANGHUA FINE CHEMICAL CO.,LTD, NO.015 SHOP, BUILDING NO.11, NO.399 YINGHAO BUSINESS CITY, XINHAI AVENUE, WEIFANG BINHAI ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, People's Republic of China ~72: Anyuan ZHANG;Bin LI;Lei WANG;Ruixin CHEN;Yunmei DU;Zhenhua DANG~

2022/00833 ~ Complete ~54:SYSTEM AND METHOD FOR HANDLING SEMI-FINISHED METAL PRODUCTS ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Akshay BANSAL;Benjamin BOISSIERE;Gérard GRIFFAY;Pierre GEORGES~

2022/00825 ~ Complete ~54:QUORUM-SENSING INHIBITORS AND/OR POSTBIOTIC METABOLITES AND RELATED METHODS ~71:MicroSintesis Inc., PO Box 25017, 103-163 Great George Street, CHARLOTTETOWN C1A 4L1, PRINCE EDWARD ISLAND, CANADA, Canada ~72: CELLA, Monica Angela~ 33:US ~31:62/869,681 ~32:02/07/2019

2022/00854 ~ Complete ~54:METRONIDAZOLE ORGANIC PHARMACEUTICAL SUPRAMOLECULAR COCRYSTAL AND PREPARATION METHOD THEREOF ~71:QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, SCHOOL OF ENVIRONMENT AND SAFETY ENGINEERING, QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.53 ZHENGZHOU ROAD, QINGDAO CITY, People's Republic of China;WEIFANG GUANGHUA FINE CHEMICAL CO.,LTD, NO.015 SHOP, BUILDING NO.11, NO.399 YINGHAO BUSINESS CITY, XINHAI AVENUE, WEIFANG BINHAI ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, WEIFANG CITY, People's Republic of China ~72: Anyuan ZHANG;Bin LI;Kang LIU;Lei WANG;Xinxin LI;Zhenhua DANG~

2022/00801 ~ Complete ~54:MOLECULAR MARKER PRIMER COMBINATIONS FOR RAPIDLY IDENTIFYING MYRICA RUBRA SUPER-LARGE FRUIT TYPE CHARACTER AND APPLICATION THEREOF ~71:Ningbo Academy of Agricultural Sciences, 19 Dehou Street, Yinzhou District, Ningbo City, Zhejiang Province, 315100, People's Republic of China ~72: CHAI, Chunyan;FANG, Congling;GAO, Zhongshan;JIA, Huimin;JIAO, Yun;SHU, Qiaoyun;WANG, Guoyun;ZHOU, Chaochao~ 33:CN ~31:202111072427.9 ~32:14/09/2021

2022/00810 ~ Complete ~54:A METHOD FOR IMPROVING THE NATURAL HYBRIDIZATION POLLINATION RATE OF GRAPES BY APPLYING A LIGHT-TRANSMITTING FILM ~71:Guangxi Academy of Agricultural, 174 University East Road, Nanning, Guangxi, People's Republic of China ~72: Bai Xianjin;Cao Xiongjun;Chen Xiao;Guo Rongrong;Han Jiayu;Li Hongyan;Lin Ling;Pan Fengping;Shi Xiaofang;Xie Shuyu;Yu Huan;Zhang Ying;Zhou Yongmei~

2022/00822 ~ Complete ~54:COMPOSITIONS COMPRISING SECRETORY IGA AND PROBIOTICS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: FAVRE, Laurent;HUGELSHOFER, Daniel~ 33:EP ~31:19183393.8 ~32:28/06/2019

2022/00824 ~ Complete ~54:NEW HETEROCYCLIC MONOACYLGLYCEROL LIPASE (MAGL) INHIBITORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: GOBBI, Luca;GRETHER, Uwe;GROEBKE ZBINDEN, Katrin;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;LUTZ, Marius Daniel Rinaldo;O'HARA, Fionn;RICHTER, Hans;RITTER, Martin~ 33:EP ~31:19199108.2 ~32:24/09/2019

2022/00840 ~ Complete ~54:GRINDING TOOL FOR GRINDING BUTTONS ON A ROCK DRILL BIT ~71:C.M.E. BLASTING & MINING EQUIPMENT LTD., 333 Wyecroft Road, Unit 9, Canada ~72: SJOLANDER, BO, Thomas;SJOLANDER, Bjorn~ 33:CA ~31:3.048.076 ~32:25/06/2019

2022/00803 ~ Complete ~54:MOLECULAR MARKER PRIMER COMBINATIONS FOR RAPIDLY IDENTIFYING MYRICA RUBRA LEAF SHAPE CHARACTERS AND APPLICATION THEREOF ~71:Ningbo Academy of Agricultural Sciences, 19 Dehou Street, Yinzhou District, Ningbo City, Zhejiang Province, 315100, People's

Republic of China ~72: CHAI, Chunyan;FANG, Congling;GAO, Zhongshan;JIA, Huimin;JIAO, Yun;SHU, Qiaoyun;WANG, Guoyun;ZHOU, Chaochao~ 33:CN ~31:202110778765.8 ~32:09/07/2021

2022/00808 ~ Complete ~54:MULTI-LAYER REINFORCED DREDGING PIPE AND MOLDING PROCESS THEREOF ~71:Shenyang University of Technology, No.111, Shenliao West Road, Economic Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Guo Zhiqiang;Kong Zhanqi;Li Yingmin;Liu Tongyu;Liu Weihua;Liu Yunhe;Ren Yuyan;Shi Minghao;Zhang Yu;Zou Xue~

2022/00804 ~ Complete ~54:SAMPLING AND DETECTION ROBOT FOR TOXIC ENVIRONMENTAL GAS ~71:Boming Chuangneng (Tianjin) Technology Co., Ltd., Zhichuang Workshop-S-1128, Zone C, Haitang Zhongchuang Street, Yarun Road, Xianshuigu Town, Jinnan District, Tianjin, 300350, People's Republic of China;Tianjin Sino-German University of Applied Sciences, No. 2, Yashen Road, Haihe Education Park, Jinnan District, Tianjin, 300350, People's Republic of China ~72: DU, Zhiqiang~

2022/00795 ~ Provisional ~54:WAX PRODUCTION ~71:CERAX (PTY) LTD, 33 Patrick Road, South Africa ~72: PRIOR, Stuart~

2022/00805 ~ Complete ~54:SMALL-SIZED WIDE PARTICLE SIZE COAL GANGUE SORTING DEVICE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168 Taifeng Road, Huainan, Anhui, 232001, People's Republic of China ~72: CHENG, Gang;GUO, Yongcun;HE, Lei;HU, Kun;WANG, Shuang;WANG, Xi;ZHAO, Yanqiu~

2022/00816 ~ Complete ~54:STEEP ROCK FACE WATER VAPOR CONDENSATION MONITORING METHOD ~71:SHANDONG PROVINCIAL LUNAN GEOLOGY AND EXPLORATION INSTITUTE (SHANDONG PROVINCIAL BUREAU OF GEOLOGY AND MINERAL RESOURCES NO. 2 GEOLOGICAL BRIGADE), No. 107, Jiuzhou Middle Road, Yanzhou District, Jining City, People's Republic of China ~72: CHEN, Hongnian;LI, Hongliang;LU, Xiaowei;MA, Songmei;MENG, He;TAN, Xianfeng;YU, Sang;ZHANG, Jun;ZHANG, Yan;ZHOU, Jianwei~

2022/00830 ~ Complete ~54:GAS JET DEFLECTION IN PRESSURIZED SYSTEMS ~71:Phoenix LLC, 2555 Industrial Drive , MONONA 53713, WI, USA, United States of America ~72: BONDE, Thomas C.;GRIBB, Tye;JACKSON, Brandon A.;KOBERNIK, Arne V.;RADEL, Ross F.~ 33:US ~31:62/876,116 ~32:19/07/2019

2022/00834 ~ Complete ~54:ISOQUINOLINONE DERIVATIVES SERVING AS ROCK PROTEIN KINASE INHIBITORS AND USE THEREOF ~71:Guangzhou Ocusun Ophthalmic Biotechnology Co., Ltd., Room 1108, 11/F, Tower A, R&F Winner Plaza, No.100 West Huangpu Road, Tianhe District, GUANGZHOU 510627, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Shuhui;LIU, Yizhi;WANG, Yandong;WU, Lingyun;XIAO, Zheming;YOU, Xu~ 33:CN ~31:201910544202.5 ~32:21/06/2019;33:CN ~31:201911078066.1 ~32:06/11/2019

- APPLIED ON 2022/01/19 -

2022/00855 ~ Complete ~54:SECURITY TESTING SYSTEM AND METHOD FOR INDUSTRIAL CONTROL DEVICE ~71:Xiamen University of Technology, No. 600, Ligong Road, Jimei District, Xiamen City, Fujian Province , 361024, People's Republic of China ~72: LIN, Ruijin;SUI, Tao;YE, Ruizhe~

2022/00864 ~ Complete ~54:SELF-INDUCED ELECTROSTATIC FIELD DRIVEN JETTING DEPOSITION 3D PRINTING DEVICE, WORKING METHOD AND USE THEREFOR ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520,

People's Republic of China ~72: HUANG, Hui;LAN, Hongbo;PENG, Zilong;SONG, Daosen;WANG, Zhi;ZHANG, Guangming;ZHAO, Jiawei~

2022/00875 ~ Complete ~54:RECYCLABLE AND DEGRADABLE COMPOSITE SOLID PROPELLANT, PREPARATION AND DEGRADATION METHOD THEREOF ~71:Hubei Institute of Aerospace Chemistry Technology, No. 58, Qinghe Road, Fancheng District, Xiangyang City, Hubei Province, 441002, People's Republic of China;Qingdao Junxiang Technology Co., Ltd., Qingdao Junxiang Technology Co., Ltd., North of Gongren Road, Liquanzhuang Town, Laixi City, Qingdao City, Shandong Province, 266660, People's Republic of China ~72: Cao Lan;Chen Luyang;Wang Meng;Wu Shixi;Zang Xiaoyan;Zheng Lei;Zhou Chongyang~

2022/00879 ~ Complete ~54:BIM PROJECT COST MANAGEMENT SYSTEM ~71:China Nuclear Huatai Construcion CO., LTD., No. 168, Tongsha Road, Xinwei Community, Xili Street, Nanshan District, Shenzhen City, Guangdong Province, 518055, People's Republic of China;East China University of Technology, No. 418 Guanglan Avenue, Economic Development Zone, Nanchang City, Jiangxi Province, 330013, People's Republic of China ~72: Ji, An;LI, Dongwei;LIU, Cong;WANG, Zhenhua;WU, Bo;YANG, Yang~

2022/00896 ~ Complete ~54:LIFTING GEAR ~71:COLUMBUS MCKINNON INDUSTRIAL PRODUCTS GMBH, YALE-ALLEE 30, 42329 WUPPERTAL, GERMANY, Germany ~72: SCHNEEBECK, Wolfram;STRUCK, Detlef~ 33:DE ~31:10 2019 120 036.9 ~32:24/07/2019

2022/00907 ~ Complete ~54:ELECTRONIC DEVICE INCLUDING CONDUCTIVE MEMBER ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: DAEKYU LEE;SEUNGHUI SUNWOO;SUYOUN KIM;YOUNGMIN BAE~ 33:KR ~31:10-2020-0095771 ~32:31/07/2020;33:KR ~31:10-2021-0035415 ~32:18/03/2021

2022/00914 ~ Complete ~54:SOLID COMPOSITIONS COMPRISING AN EGF(A) DERIVATIVE AND A SALT OF N-(8-(2-HYDROXYBENZOYL)AMINO)CAPRYLIC ACID ~71:Novo Nordisk A/S, Novo Allé 233, 1, BAGSVÆRD 2880, DENMARK, Denmark ~72: NAELAPÄÄ, Kaisa;NISSEN, Birgitte;PEDERSEN, Betty Lomstein;VEGGE, Andreas~ 33:EP ~31:19190506.6 ~32:07/08/2019

2022/00846 ~ Provisional ~54:ROTOR TIP BLOCK SECURING ARRANGEMENT ~71:ORECRUSHER S.A. (PTY) LTD., 6 Pittsburg Street, Apex, BENONI 1500, Gauteng, SOUTH AFRICA, South Africa ~72: VERWEIJ, Roeland~

2022/00856 ~ Complete ~54:CONSTRUCTION METHOD OF INSECTICIDAL ENGINEERING STRAIN OF BEAUVERIA BASSIANA ~71:Xuzhou University of Technology, No. 1, Fuchun Road, Xincheng District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: GAO, Zhaojian;HOU, Jinhui;HUANG, Tianzi;LI, Tongxiang;SUN, Huigang;TANG, Wei;TIAN, Lin;WANG, Tao;ZHANG, Na~

2022/00869 ~ Complete ~54:ROBUST ECHO CANCELLATION METHOD IN A HANDS-FREE CALL SYSTEM ~71:Shenyang University of Technology, No.111, Shenliao West Road, Economic and Technological Development Zone, Shenyang, Liaoning Province, 110870, People's Republic of China ~72: BAI, Yanmei;GUO, Ying~

2022/00874 ~ Complete ~54:DEVICE FOR RESCUING PEOPLE FALLING INTO WATER ~71:ShanDong JiaoTong University, No. 5, Jiaoxiao Road, Jinan City, Shandong Province, 250000, People's Republic of China ~72: FENG, Wenhui;KONG, Fanyi;LI, Guangzheng;LI, Qin;PAN, Dewei;SUN, Yuqiang;WANG, Mingyu;WANG, Tao;XU, Yu;ZHANG, Baihu;ZHANG, Qiang;ZHAO, Kangdi;ZHOU, Zhaoxin~

2022/00886 ~ Complete ~54:GREEN PLANTING METHOD OF FRESH-EATING IPOMOEA BATATAS L. ~71:SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, NO.202, GONGYE NORTH ROAD, LICHENG

DISTRICT, People's Republic of China ~72: DUAN, WENXUE;WANG, BAOQING;XIE, BEITAO;ZHANG, HAIYAN;ZHANG, LIMING~ 33:CN ~31:202110680613.4 ~32:18/06/2021

2022/00888 ~ Complete ~54:SYSTEM FOR MONITORING AND CONTROLLING GROUNDWATER LEVEL ~71:INSTITUTE OF HYDROGEOLOGY AND ENVIRONMENTAL GEOLOGY, CHINESE ACADEMY OF GEOLOGICAL SCIENCES, No. 268, North Zhonghua Street, Shijiazhuang City, People's Republic of China ~72: CUI, Shangjin;HU, Qi;LIU, Pengfei;LIU, Shaoyu;NIE, Zhenlong;WANG, Jinzhe~

2022/00897 ~ Complete ~54:FLUIDIZED BED REACTOR SYSTEM ALLOWING PARTICLE SAMPLING DURING AN ONGOING REACTION ~71:X ENERGY, LLC, SUITE 300, 801 THOMPSON AVENUE, ROCKVILLE, MARYLAND 20852, USA, United States of America ~72: KIM, Howard Taery~ 33:US ~31:16/453,571 ~32:26/06/2019

2022/00912 ~ Complete ~54:ENZYME INHIBITORS ~71:KalVista Pharmaceuticals Limited, Porton Science Park, Bybrook Road, Porton Down, SALISBURY SP4 0BF, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: CRIDLAND, Andrew Peter;DAVIE, Rebecca Louise;EDWARDS, Hannah Joy;EVANS, David Michael;GANCIA, Emanuela;HAMBLIN, Julie Nicole;HINCHLIFFE, Paul Stuart;HODGSON, Simon Teanby;LEVANTO, Stefano;MARSH, Sally Louise;MAZZACANI, Alessandro;MILLER, Iain Robert;PANCHAL, Terence Aaron;ROOKER, David Philip;STOCKS, Michael John~

2022/00844 ~ Provisional ~54:SYSTEMS ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/00472 ~32:11/01/2022

2022/00871 ~ Complete ~54:INTEGRATED CYLINDRICAL LED STREETLIGHT SOURCE ~71:Shandong Shenshi Photoelectric Co., Ltd., East of Guanlin Road, North of Beihuan Road, Guan County, Liaocheng City, Shandong Province, 252500, People's Republic of China ~72: CHEN, Xiaodong;GUO, Laixin;YIN, Xuejun~ 33:CN ~31:202110219810.6 ~32:26/02/2021

2022/00887 ~ Complete ~54:METHOD AND SYSTEM FOR EARLY WARNING OF VEHICLE INTRUSION EVENT IN CONSTRUCTION OPERATION AREA ~71:TONGJI UNIVERSITY, No. 1239 Siping Rd., Yangpu District, Shanghai, 200092, People's Republic of China ~72: FU Ting;LUO Tianyang;WANG Junhua~ 33:CN ~31:202110073739.5 ~32:20/01/2021

2022/00916 ~ Complete ~54:GENETIC LOCI ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BREITINGER, Becky Welsh;CURLEY, Thomas Joseph;DAWSON, John Luther;DIETRICH, Robert Arthur;HIPSKIND, John Daniel;LIU, Qingli~ 33:US ~31:62/881,008 ~32:31/07/2019

2022/00863 ~ Complete ~54:NOVEL COMPOSITE BIODEGRADABLE PLASTIC MATERIAL FOR INJECTION MOLDING AND PREPARATION METHOD THEREFOR ~71:Shandong Ruifeng Chemical Co., Ltd, No. 26, Baofeng Road, Yiyuan County, Zibo City, Shandong Province, 256100, People's Republic of China ~72: FENG, Zhigang;JIAO, Shuyuan;LIU, Chunxin;WANG, Houfu;WANG, Xuan;ZHAI, Liguang;ZHANG, Haiyu;ZHANG, Zhenguo;ZHANG, Zhongchao~ 33:CN ~31:202110789146.9 ~32:13/07/2021

2022/00867 ~ Complete ~54:METHOD FOR QUANTITATIVE DETECTION OF MEAT PRODUCT PORCINE-DERIVED MATERIALS BASED ON REAL-TIME FLUORESCENT PCR ~71:Northwest Minzu University, No. 1, Xibei Xincun, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: JIANG, Susu;LI, Shuaibing;LU, Jianxiong;MIAO, Jian;SONG, Sudi;WEI, Fang;WU, Dianhu;ZHANG, Guohua~

2022/00883 ~ Complete ~54:NEGATIVE PRESSURE VARIABLE CHIP SUCTION DEVICE ~71:North University of China, No. 3 Xueyuan Road, Taiyuan City, Shanxi Province, 030051, People's Republic of China ~72: DONG, Zhen;LI, Jiangbo;LI, Jinghong;LUO, Shitong;WANG, Caiping;ZHAO, Pengfei~

2022/00890 ~ Complete ~54:DEVICE FOR CONSTRUCTION SIMULATION USING BIM ~71:CHINA NUCLEAR HUATAI CONSTRUCTION CO., LTD., No.168, Tongsha Road, Xinwei Community, Xili Street, Nanshan District, Shenzhen, People's Republic of China;EAST CHINA UNIVERSITY OF TECHNOLOGY, 418 Guanglan Avenue, Economic Development Zone, Nanchang City, People's Republic of China ~72: HE, Jin;LI, Dongwei;LIU, Heng;WANG, Zhenhua;WU, Bo;YUAN, Chang~

2022/00894 ~ Complete ~54:PROCESS FOR BORED PILE FOUNDATION CONSTRUCTION IN COMPLEX KARST GEOLOGY ~71:CHINA RAILWAY NO.8 ENGINEERING GROUP CO., LTD., No. 68 Jinke East Road, Jinniu District Chengdu, People's Republic of China;NO.3 ENGINEERING COMPANY OF CHINA RAILWAY NO.8 ENGINEERING GROUP CO., LTD., No. 1 Jiancai Alley, Chaoyangdong Road, Nanming District Guiyang, People's Republic of China ~72: DENG, Cunjun;GONG, Sikun;LIU, Jiayin;PENG, Jianwei;TANG, Jianhe;TIAN, Bo;WANG, Jie;WANG, Zhiyong;XI, Liping;ZHAO, Daiqiang;ZHAO, Zhi~ 33:CN ~31:202110157825.4 ~32:05/02/2021

2022/00903 ~ Complete ~54:POWER GENERATOR ~71:TYAGLIN, Denis Valentinovich, Gorskiy mikrorayon, dom8, litera A, kv. 300,Novosibirskaya obl., Russian Federation ~72: TYAGLIN, Denis Valentinovich~ 33:RU ~31:2019126771 ~32:26/08/2019

2022/00905 ~ Complete ~54:ANTI-EGFR/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF ~71:ABL BIO INC., 2F, 16, Daewangpangyo-ro 712beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488, Republic of Korea;YUHAN CORPORATION, 74, Noryangjin-ro Dongjak-gu, Seoul, 06927, Republic of Korea ~72: EUN-JUNG LEE;EUN-JUNG LEE;EUNSIL SUNG;HYEJIN CHUNG;HYOJU CHOI;JAEHYUN EOM;KYEONGSU PARK;MINJI PARK;MOO YOUNG SONG;NA RAE LEE;UI-JUNG JUNG;WONJUN SON;YANGSOON LEE;YERYOUNG YONG;YEUNJU KIM;YOUNG BONG PARK;YOUNGDON PAK;YOUNGKWANG KIM~ 33:US ~31:62/878,977 ~32:26/07/2019

2022/00910 ~ Complete ~54:CANNABIS RISK COMPLIANCE AND EXCHANGE PLATFORM ~71:RANTE CORPORATION, 520 Broadway #200, Santa Monica, California, 90401, United States of America ~72: JACOB JOHNSON;TIMOTHY LOS~ 33:US ~31:16/812,576 ~32:09/03/2020;33:US ~31:16/994,316 ~32:14/08/2020

2022/00847 ~ Provisional ~54:SYSTEMS ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/00472 ~32:11/01/2022

2022/00858 ~ Complete ~54:SNP MOLECULAR MARKER RELATED TO JUJUBE CITRIC ACID AND ITS APPLICATION ~71:Shandong Agricultural University, No.61 Daizong Street, Tai 'an City, Shandong Province, 271018, People's Republic of China ~72: Li Xingang;Liu Hanxiao;Wu Mengjia;Zhang Chunmei;Zhang Yuwu~

2022/00876 ~ Complete ~54:GAS DRAINAGE DEVICE FOR COAL MINE GAS CONTROL AND APPLICATION METHOD THEREOF ~71:Anhui University of Science and Technology, No.168 Taifeng Street, Huainan City, Anhui Province, People's Republic of China;China Coal Science and Industry Group Chongqing Research Institute Co., Ltd., No.6 Kecheng Road, Jiulongpo District, Chongqing, People's Republic of China;China Coal Science and Industry Group Shenyang Research Institute Co., Ltd., No.11 Binhe Road, economic development zone, Fushun City, Liaoning Province, People's Republic of China;Shanxi Shiquan coal industry co., Ltd., Hezhang Village, Xiadian Town, Xiangyuan County, Changzhi City, Shanxi Province, People's Republic of China ~72: Bai Peng;Chang Guanfeng;Fu Hongbo;Gao Wei;Hua Xinzhu;Li Chen;Liu Xiao;Niu Xingang;Yang Sen~

2022/00899 ~ Complete ~54:METHOD FOR INSTALLING VIADUCT PREFABRICATED COVER BEAM ~71:CHINA TIESIJU CIVIL ENGINEERING GROUP CO., LTD, No. 96, East Wangjiang Road, People's Republic of China;THE FIRST ENGINEERING CO., LTD. OF CTCE GROUP, No. 434, North Fuyang Road, People's Republic of China ~72: LIAO, Zhiliang;LIU, Mimi;MENG, Zhihong;WANG, Fubiao;ZHANG, Mingxu;ZHANG, Wanlai~ 33:CN ~31:202011180167.2 ~32:29/10/2020

2022/00873 ~ Complete ~54:SIT-UP MOTION INFORMATION MANAGEMENT SYSTEM AND DETECTION METHOD BASED ON INTERNET OF THINGS ~71:Lingnan Normal University, No. 29, Cunjin Road, Chikan District, Zhanjiang City, Guangdong Province, 524048, People's Republic of China ~72: MA, Xingzao;SUN, Shiquan;YANG, Yongzheng~ 33:CN ~31:202110073048.5 ~32:20/01/2021

2022/00878 ~ Complete ~54:DUAL SUPPLY AND DUAL DISCHARGE CYCLE SYSTEM FOR THE COMPREHENSIVE USE OF URBAN WATER RESOURCES ~71:Henan University, No.85, Minglun Street, Shunhe District, Kaifeng City, Henan Province, People's Republic of China ~72: CAI, Beiming~

2022/00898 ~ Complete ~54:METHODS OF TREATING CANCER BY THE USE OF PD-1 AXIS INHIBITORS AND ANTI-PERIOSTIN ANTIBODIES ~71:BOEHRINGER INGELHEIM IO CANADA, INC., 5180 South Service Road, Burlington, Ontario, Canada ~72: FRANSSON, Johan;HULME, Joanne;JEHTA, Arif;MCGRAY, Aj Robert~ 33:US ~31:62/899,066 ~32:11/09/2019

2022/00904 ~ Complete ~54:PRODUCTION OF AN ALCOHOL-FREE BEVERAGE ~71:HEINEKEN SUPPLY CHAIN B.V., c/o Tweede Weteringplantsoen 21, Netherlands ~72: KUIJPERS, Niels Gerard Adriaan~ 33:NL ~31:2023654 ~32:16/08/2019

2022/00852 ~ Provisional ~54:URINAL CONVERSION FOR A TOILET ~71:FUHRI, Clive Raymond, 122 Belfy Towers, 39 Beach Road, South Africa ~72: FUHRI, Clive Raymond~

2022/00861 ~ Complete ~54:PREPARATION DEVICE OF IMMOBILIZED MICROORGANISM PARTICLES FOR WATER REMEDIATION ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Unit C0101, Block 1, Chuangye Square, 48 Keji Road, Hi-Tech Industries Development Zone, Xi'an City, 710065, People's Republic of China ~72: Shi Qingqing;Sun Xin;Tang Xiao~

2022/00865 ~ Complete ~54:PREPARATION METHOD FOR ULTRAFINE GRID TRANSPARENT ELECTRODE WITH HIGH-ASPECT-RATIO ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520, People's Republic of China ~72: LAN, Hongbo;PENG, Zilong;QIAN, Lei;XU, Quan;ZHANG, Guangming;ZHOU, Hefei~

2022/00880 ~ Complete ~54:HIGH AND LOW TEMPERATURE RESISTANT HYDRAULIC OIL AND PREPARATION METHOD THEREFOR ~71:Shandong North Zite Special Oil Co., Ltd., No. 8699, Zhoulong Road, Zhoucun District, Zibo City, Shandong Province, 255300, People's Republic of China ~72: HAO, Yuguo;LUO, Gang;SUN, Meijie;YANG, Naitang;YANG, Wenhuan~

2022/00892 ~ Complete ~54:VIDEO DECODING METHOD AND VIDEO DECODER ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG PROVINCE, CHINA (P.R.C.), People's Republic of China ~72: CHEN, Huanbang;YANG, Haitao~ 33:CN ~31:201811053068.0 ~32:10/09/2018

2022/00908 ~ Complete ~54:HERBICIDAL COMPOSITION CONTAINING R-TYPE PYRIDYLOXY CARBOXYLIC ACID DERIVATIVE AND USE THEREOF ~71:QINGDAO KINGAGROOT CHEMICAL COMPOUND CO., LTD., No.53, Qinglonghe Road, Huangdao District, Qingdao, Shandong, 266000, People's Republic of China ~72: DE ZHAO;JINGYUAN ZHANG;NA LIU;QI CUI;TAO JIN;XUEGANG PENG~ 33:CN ~31:201910685431.9

~32:27/07/2019;33:CN ~31:201910796285.7 ~32:27/08/2019;33:CN ~31:202010228317.6
 ~32:27/03/2020;33:CN ~31:202010228765.6 ~32:27/03/2020;33:CN ~31:202010406451.0 ~32:14/05/2020

2022/00868 ~ Complete ~54:FIRE RESISTANCE TESTING DEVICE FOR HFRC (REPLACING RC) T-BEAMS
 ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei ,
 063210, People's Republic of China ~72: CHEN, Kaijiang;YANG, Zhinian;YOU, Zhiguo;ZHANG, Hongyin;ZHOU,
 Yunlong~ 33:CN ~31:202111458127.4 ~32:01/12/2021

2022/00884 ~ Complete ~54:TWO-STAGE AXIAL-FLOW TYPE ONLINE GAS-LIQUID SEPARATION DEVICE
 FOR UNDERWATER PIPELINE ~71:China University of Petroleum (East China), No. 66, West Changjiang Road,
 Huangdao District, Qingdao, Shandong, 266580, People's Republic of China ~72: LIU, Chunhua;LIU,
 Xinfu;SHANG, Chao~

2022/00895 ~ Complete ~54:LIFTING GEAR ~71:COLUMBUS MCKINNON INDUSTRIAL PRODUCTS GMBH,
 YALE-ALLEE 30, 42329 WUPPERTAL, GERMANY, Germany ~72: SCHNEEBECK, Wolfram;STRUCK, Detlef~
 33:DE ~31:10 2019 120 036.9 ~32:24/07/2019

2022/00911 ~ Complete ~54:CANNABIS IDENTITY VERIFICATION AND EXCHANGE PLATFORM ~71:RANTE
 CORPORATION, 520 Broadway #200, Santa Monica, California, 90401, United States of America ~72: JACOB
 JOHNSON;TIMOTHY LOS~ 33:US ~31:16/812,576 ~32:09/03/2020;33:US ~31:16/994,316
 ~32:14/08/2020;33:US ~31:17/033,254 ~32:25/09/2020

2022/00891 ~ Complete ~54:TRANSFECTED T-CELLS AND T-CELL RECEPTORS FOR USE IN
 IMMUNOTHERAPY AGAINST CANCERS ~71:Immatics Biotechnologies GmbH, Paul-Ehrlich-Straße 15,
 TÜBINGEN 72076, GERMANY, Germany ~72: ALTEN, Leonie;BUNK, Sebastian;MAURER, Dominik~
 33:GB ~31:1604492.7 ~32:16/03/2016;33:US ~31:62/308,975 ~32:16/03/2016

2022/00900 ~ Complete ~54:BACTERIAL POPULATIONS FOR DESIRABLE TRAITS IN RUMINATING
 ANIMALS ~71:THE NATIONAL INSTITUTE FOR BIOTECHNOLOGY IN THE NEGEV LTD., Ben Gurion
 University, Building No. 39, Room 103, Israel ~72: MIZRAHI, Itzhak;SASSON, Goor~ 33:US ~31:62/869,616
 ~32:02/07/2019

2022/00859 ~ Complete ~54:FLAP-NET FILTER, FILTRATION SYSTEM AND USING METHOD THEREOF
 ~71:Shihezi University, No. 221, Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, People's Republic
 of China ~72: Lan Jun;Lei Chenyu;Li Jie;Liu Dongdong;Liu Zhenji;Yang Hao;Zong Quanli~

2022/00862 ~ Complete ~54:CONTINUOUS DIGITAL LIGHT PROCESSING-BASED DEVICE FOR 3D
 PRINTING OF CERAMIC AND OPERATION METHOD THEREFOR ~71:QINGDAO UNIVERSITY OF
 TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266520,
 People's Republic of China ~72: JIANG, Jin;LAN, Hongbo;WANG, He;WANG, Zhi;ZHANG, Guangming~

2022/00866 ~ Complete ~54:METHOD FOR PREPARING CONDUCTIVE BIOLOGICAL SCAFFOLD BASED ON
 SELF-INDUCED ELECTROSTATIC FIELD-DRIVEN FUSION-JET 3D PRINTING ~71:QINGDAO UNIVERSITY
 OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province,
 266520, People's Republic of China ~72: HUANG, Hui;LAN, Hongbo;LI, Wenhui;PENG, Zilong;SONG,
 Daosen;WANG, Zhi;ZHANG, Guangming;ZHAO, Jiawei~

2022/00881 ~ Complete ~54:MODIFIED GEAR OIL AND PREPARATION METHOD THEREFOR ~71:Shandong
 North Zite Special Oil Co., Ltd., No. 8699, Zhoulong Road, Zhoucun District, Zibo City, Shandong Province,
 255300, People's Republic of China ~72: HAO, Yuguo;LUO, Gang;SUN, Meijie;YANG, Naitang;YANG,
 Wenhuan~

2022/00893 ~ Complete ~54:HYDRAULIC CLOSED CIRCUIT MOTORIZATION SYSTEM AND METHOD FOR CONTROLLING THE DRIVING OF A TRANSPORT VEHICLE ~71:Faymonville Distribution AG, Duarrefstrooss 8, WAISSWAMPECH 9990, LUXEMBOURG, Luxembourg ~72: D'AGOSTINO, Willian;FICKERS, Alexander;LIPPI, Fabrizio~ 33:IT ~31:102021000000953 ~32:20/01/2021

2022/00909 ~ Complete ~54:SYSTEM AND PROCESS FOR DETERMINING A METRIC AND PREDICTIVE ANALYSIS FOR COMPLIANCE OF CANNABIS RELATED PRODUCTS ~71:RANTE CORPORATION, 520 Broadway #200, Santa Monica, California, 90401, United States of America ~72: JACOB JOHNSON;TIMOTHY LOS~ 33:US ~31:16/812,576 ~32:09/03/2020

2022/00850 ~ Provisional ~54:MODIFIED WASTE PLASTIC BITUMEN MIXTURE FOR ASPHALT AND PROCESS FOR PRODUCTION THEREOF ~71:CSIR, Scientia, Meiring Naude Road, Brummeria, Pretoria, 0184, South Africa ~72: GEORGE AKIM MTURI;TLADI GIDEON MOFOKENG;VINCENT OMONDI OJJO~

2022/00860 ~ Complete ~54:DEVICE FOR IMPROVING BIOLOGICAL ACTIVITY OF FUNCTIONAL WATER-PURIFYING MICROORGANISMS BY MICRO-ELECTRIC FIELD ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Unit C0101, Block 1, Chuangye Square, 48 Keji Road, Hi-Tech Industries Development Zone, Xi'an, 710065, People's Republic of China ~72: Sun Xin;Tang Xiao;Zhao Fangli~

2022/00870 ~ Complete ~54:HIGH SPEED IMAGING METHOD FOR TIME DIVISION MULTIPLEXING ILLUMINATION OF MONOCHROMATIC NARROW PULSE ACTIVE LIGHT SOURCE ~71:NORTH UNIVERSITY OF CHINA, No.3 Xueyuan Road, Taiyuan, People's Republic of China ~72: LI, Wen;LIU, Ji;WANG, Hailiang;WU, Jinhui;XIN, Jie;YU, Lixia~

2022/00877 ~ Complete ~54:HYDRAULIC CONTROL SYSTEM FOR SELF-BALANCING OF SPEED RATIO OF DOUBLE METAL BELT TYPE CONTINUOUSLY VARIABLE TRANSMISSION (BCVT) ~71:Hunan KingRain Electro-Hydraulic Control System Co., Ltd, Second Floor, Building 4, Xincheng Science and Technology Park, Lugu High-tech Zone, Changsha City, Hunan, 410205, People's Republic of China;Hunan University of Science and Technology, No. 2 Shimatou, Yuhu District, Xiangtan, Hunan, 411100, People's Republic of China ~72: AN, Ying;GAO, Shuai;NI, Shilong;ZHU, Jianren~

2022/00885 ~ Complete ~54:DEVICE FOR CONTROLLING UPS AND DOWNS OF UNDERWATER FIXING EQUIPMENT ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Unit C0101, Block 1, Chuangye Square, 48 Keji Road, Hi-Tecch Industries Development Zone, Xi'an City, Shaanxi Province , 710065, People's Republic of China ~72: Ma Yihua;Sun Xin;Tang Xiao~

2022/00913 ~ Complete ~54:PORTABLE HEAT SOURCE ~71:Deutsches Zentrum für Luft- und Raumfahrt e.V., Linder Höhe, KÖLN 51147, GERMANY, Germany ~72: KRAFT, Werner;LANZ, Tim;STAHL, Veronika;VETTER, Peter~ 33:DE ~31:10 2019 118 098.8 ~32:04/07/2019;33:DE ~31:10 2019 128 375.2 ~32:21/10/2019

2022/00851 ~ Provisional ~54:SEGMENTED RAIL TURNOUT ~71:Leon Harmsen, 18 Trevor Street, South Africa ~72: Leon Harmsen~ 33:ZA ~31:A ~32:18/01/2022

2022/00882 ~ Complete ~54:DEVICE FOR GENERATING POWER FROM OCEAN THERMAL ENERGY AND UNDERWATER DETECTOR ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: LIANG, Zede~

2022/00889 ~ Complete ~54:SIPHON DRAINAGE STRUCTURE AND USING METHOD THEREOF ~71:CHINA UNIVERSITY OF GEOSCIENCES (BEIJING), No. 29 Xueyuan Road, Haidian District, People's Republic of China;INSTITUTE OF HYDROGEOLOGY AND ENVIRONMENTAL GEOLOGY, CHINESE ACADEMY OF

GEOLOGICAL SCIENCES, No. 268, North Zhonghua Street, Shijiazhuang City, People's Republic of China ~72: CUI, Shangjin;LIU, Min;LIU, Pengfei;LIU, Shaoyu;NIE, Zhenlong;ZHANG, Guanghui~

2022/00901 ~ Complete ~54:FLOTATION CELL ~71:METSU OUTOTEC FINLAND OY, Lokomonkatu 3, Finland ~72: RINNE, Antti~ 33:WO ~31:PCT/FI2019/050569 ~32:29/07/2019

2022/00857 ~ Complete ~54:HIGH-EFFICIENCY NANO AERATION AND OXYGENATION DEVICE ~71:Xi'an Jinshan Yinshan Technology Co., Ltd., Room 1F306, Unit C0101, Block 1, Chuangye Square, 48 Keji Road, Hi-Tech Industries Development Zone, Xi'an City, Shaanxi Province, 710065, People's Republic of China ~72: Chai Duosheng;Sun Xin;Tang Xiao~

2022/00845 ~ Provisional ~54:SYSTEMS ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: 7 Quibeba, Aboretum~ 33:ZA ~31:2022/00472 ~32:11/01/2022

2022/00849 ~ Provisional ~54:IMPROVEMENT IN OR RELATING TO GOLF SCOOTER ~71:Paratrak, 325 Waterfall Hills Estate, South Africa ~72: Richard Roy Wood, Roy Constant Wood~

2022/00848 ~ Provisional ~54:GOLF SCOOTER CLUB RACK ~71:Paratrak (Pty)Ltd, 325 Waterfall Hills Estate, South Africa ~72: Richard Roy Wood, Roy Constant Wood~

2022/00902 ~ Complete ~54:FLOTATION CELL ~71:METSU OUTOTEC FINLAND OY, Lokomonkatu 3, Finland ~72: RINNE, Antti~ 33:WO ~31:PCT/FI2019/050568 ~32:29/07/2019

2022/00906 ~ Complete ~54:ANTI-HER2/ANTI-4-1BB BISPECIFIC ANTIBODY AND USE THEREOF ~71:ABL BIO INC., 2F, 16, Daewangpangyo-ro 712beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488, Republic of Korea;YUHAN CORPORATION, 74, Noryangjin-ro Dongjak-gu, Seoul, 06927, Republic of Korea ~72: CHANMOO LEE;DONGHOON YEOM;EUN-JUNG LEE;EUN-JUNG LEE;EUNJUNG KIM;EUNYOUNG PARK;HYEJIN CHUNG;JUNGHYEON HONG;KYEONGSU PARK;MOO YOUNG SONG;NA RAE LEE;SEAWON AHN;TAEWANG KIM;UI-JUNG JUNG;WONJUN SON;YANGSOON LEE;YERYOUNG YONG;YONG-GYU SON;YOUNG BONG PARK~ 33:US ~31:62/878,951 ~32:26/07/2019;33:US ~31:63/024,608 ~32:14/05/2020

2022/00872 ~ Complete ~54:PROBIOTIC MILK REPLACER FOR CALVES AND PREPARATION METHOD THEREOF ~71:INSTITUTE OF BIOLOGY, GANSU ACADEMY OF SCIENCES, No. 197, Dingxi South Road, Chengguan District, Lanzhou City, Gansu Province, 730030, People's Republic of China ~72: JI, Bin;PENG, Yinan;QI, Hongshan;WANG, Zhiye;XI, Peng;YE, Ze~ 33:CN ~31:202110522868.8 ~32:13/05/2021

2022/00915 ~ Complete ~54:RADIATION-ASSISTED ELECTROLYZER CELL AND PANEL ~71:Nanoptek Corporation, 35 Beharrell St., Unit 1445, CONCORD 01742, MA, USA, United States of America ~72: **, *~ 33:US ~31:62/922,418 ~32:08/08/2019

- APPLIED ON 2022/01/20 -

2022/00965 ~ Provisional ~54:RISK REWARDS PAYMENT PROTECTOR ~71:EDWARD CARNEY THWAITS, 207 WELTEVREDEN ROAD, South Africa;EDWARD CARNEY THWAITS, 207 WELTEVREDEN ROAD, South Africa ~72: EDWARD CARNEY THWAITS~

2022/00926 ~ Complete ~54:SECURITY TESTING FOR SDN BASED CONTROL SYSTEM ~71:Xiamen University of Technology, No. 600, Ligong Road, Jimei District, Xiamen City, Fujian Province, 361024, People's Republic of China ~72: HONG, Weilin;LIN, Haozhen;LIN, Ruijin;SUI, Tao;YE, Ruizhe~

2022/00945 ~ Complete ~54:SOLID FORMS OF AN HPK1 INHIBITOR ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: FRIETZE, William;JIA, Zhongjiang~ 33:US ~31:62/883,350 ~32:06/08/2019;33:US ~31:62/889,848 ~32:21/08/2019

2022/00955 ~ Complete ~54:WATER BALANCE IMPROVEMENT IN AN EFFLUENT TREATMENT PROCESS FOR SULPHATE REMOVAL ~71:MINTEK, 200 Malibongwe Drive, South Africa ~72: NETSHIKHUDINI, Tshamano~ 33:ZA ~31:2019/06331 ~32:26/09/2019

2022/00963 ~ Complete ~54:METHOD AND DEVICE FOR REPLACING SLEEVES LINING NUCLEAR REACTOR PRESSURE VESSEL TUBES FROM THE LOWER END ~71:FRAMATOME INC., 3315 Old Forest Road, United States of America ~72: BAIER, Joseph Gallagher;MELCHER, Ryan Stephen;SPENCER, James Andrew~

2022/00920 ~ Complete ~54:HYDROGENATED POLYMER BLEND MATERIAL AND PREPARATION METHOD THEREOF ~71:Qingdao University of Science and Technology, No. 53, Zhengzhou Road, Shibei District, Qingdao City, Shandong Province, 266042, People's Republic of China ~72: LANG, Xiurui;WANG, Xiaolei;ZONG, Chengzhong;ZONG, Yingxia~

2022/00922 ~ Complete ~54:DOUBLE-ROW VENETIAN BLINDS SHEET TROMBE WALL DEVICE AND USING METHOD THEREOF ~71:Shihezi University, No. 221, Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Li Jie;Li Xiaoxu;Liu Zhenji;Lu Hongmei~

2022/00925 ~ Complete ~54:FERTILIZATION DEVICE FOR FOREST OPERATION ~71:Tarim University, 705 Hongqiao South Road, Alar City, Xinjiang Province, 843300, People's Republic of China ~72: Desheng Wang;Nannan Zhang;Zehua Fan~

2022/00933 ~ Complete ~54:METHOD FOR PREPARING MACKEREL IMMUNITY POLYPEPTIDE ~71:Zhejiang Wanli University, No. 8, Qianhu South Road, Yinzhou Central District, Ningbo City, Zhejiang, 315000, People's Republic of China ~72: CAO, Shaoqian;LIAO, Huiqi;QI, Xiangyang;YANG, Hua;ZHANG, Huien~

2022/00939 ~ Complete ~54:SUPPORTING STRUCTURE OF SELF-DRILLING TYPE ANCHOR ROD ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, 168 Taifeng Street, Huainan City, People's Republic of China ~72: LI, Weilong;LING, Liuyi~

2022/00943 ~ Complete ~54:INSULATING GLASS PANEL COMPRISING A THIN CHROMIUM-BASED LAYER ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: ABADIE, Sacha;AGUIAR, Rosiana~ 33:FR ~31:FR1910393 ~32:20/09/2019

2022/00953 ~ Complete ~54:GAS SPRING SENSORS USING MILLIMETER WAVELENGTH RADAR AND GAS SPRING ASSEMBLIES AND SUSPENSION SYSTEMS INCLUDING SAME ~71:Firestone Industrial Products Company, LLC, 200 4th Avenue, SOUTH NASHVILLE 37201, TN, USA, United States of America ~72: NORDMEYER, Daniel L.~ 33:US ~31:62/874,323 ~32:15/07/2019

2022/00956 ~ Complete ~54:IDENTIFYING LIQUID RHEOLOGICAL PROPERTIES FROM ACOUSTIC SIGNALS ~71:THE UNIVERSITY OF BIRMINGHAM, Edgbaston, Birmingham West, United Kingdom ~72: ALBERINI, Federico;FORTE, Giuseppe;HEFFT, Daniel Ingo~ 33:GB ~31:1909291.5 ~32:28/06/2019

2022/00959 ~ Complete ~54:DEVICE FOR OPTICAL INSPECTION OF PREFORMS ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ; COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: DONATO LAICO;MANUEL GIORGI~ 33:IT ~31:102019000010416 ~32:28/06/2019

2022/00923 ~ Complete ~54:DECORATION WITH BUILT-IN EMBROIDERY AND PREPARATION METHOD THEREOF ~71:Hunan Normal University, No. 36 Yuelu Mountain, Yuelu District, Changsha City, Hunan Province, 410000, People's Republic of China;Hunan Xiangfeng Culture Industry Development Co., Ltd., No. 3, Room 103-5, Building B, University Science and Technology Park Entrepreneurship Building, No.283, Xiaoxiang Avenue, Juzizhou Street, Yuelushan University Science and Technology City, Changsha City, Hunan Province, 410000, People's Republic of China ~72: Li Xian;Liu Yuzhen;Sun Shuniao;Xiao Ying~

2022/00928 ~ Complete ~54:HYBRID PRECODING METHOD BASED ON PROJECTION APPROXIMATION SUBSPACE TRACKING ALGORITHM IN MILLIMETER WAVE MASSIVE MIMO SYSTEM ~71:Nanjing University of Posts and Telecommunications, 9 Wenyuan Road, Qixia District, Nanjing City, Jiangsu Province, 210023, People's Republic of China ~72: Jiang Rui;Xu Youyun;Zhou Xiao~

2022/00935 ~ Complete ~54:A FERTILIZER CONTAINING CHITOSAN OLIGOSACCHARIDE AND ITS PREPARATION METHOD AND APPLICATION ~71:QINGDAO KEGUANG BIOLOGICAL TECHNOLOGY CO., LTD., Industrial Park, Ducun Town, Jiaozhou County, Qingdao City, People's Republic of China ~72: CHENG, Sha;LIU, Chang;LIU, Yuanqing;YU, Jingqing~ 33:CN ~31:202111026642.5 ~32:02/09/2021

2022/00948 ~ Complete ~54:METHODS OF MAKING INCRETIN ANALOGS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: KOPACH, Michael E.;LU, Yu;TSUKANOV, Sergey Vladimirovich;WHITE, Timothy Donald~ 33:US ~31:62/888,756 ~32:19/08/2019

2022/00962 ~ Complete ~54:INSTALLATION METHOD FOR TAP ASSEMBLY ~71:XIANXIANG CHEN, No. 20, Kangfu Lane, Hexin Village, Qinggang Town, Yuhuan City, Taizhou City, Zhejiang, 317606, People's Republic of China;ZHILIN CHEN, No.31, Sightseeing Garden Community, Yuhuan, Qinggang Industrial Park, Taizhou City, Zhejiang, 317606, People's Republic of China ~72: XIANXIANG CHEN~ 33:CN ~31:201910696305.3 ~32:30/07/2019

2022/00932 ~ Complete ~54:AQUATIC PLANT BIOMASS SAMPLING DEVICE AND SAMPLING METHOD THEREOF ~71:Guizhou Institute of Biology, No.1 Longjiang Lane, Huaxi District, Guiyang City, Guizhou Province, 550009, People's Republic of China ~72: He Hongzao;Li Hexiang;Li Qing;Li Tao;Sun Chao~

2022/00942 ~ Complete ~54:MODIFIED HUMAN VARIABLE DOMAINS ~71:Merus N.V., Yalelaan 62, UTRECHT 3584 CM, THE NETHERLANDS, Netherlands ~72: BAKKER, Alexander Berthold Henrik;KRAMER, Arjen;SILVERMAN, Peter B.~ 33:EP ~31:19190578.5 ~32:07/08/2019

2022/00938 ~ Complete ~54:AQUACULTURE STERILIZATION AND OXYGENATION DEVICE ~71:CHEN, Aihua, No. 4, Fuqian Road, Rushan City, Weihai City, People's Republic of China ~72: CHEN, Aihua;JIANG, Jitao;LI, Qiang;SHANG, Guodong;ZHENG, Yanxuan~

2022/00944 ~ Complete ~54:CRYSTALLINE FORMS OF A CD73 INHIBITOR ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: GARCIA-CERRADA, Susana Maria;LU, Yu;REMICK, David Michael~ 33:EP ~31:19382733.4 ~32:29/08/2019

2022/00927 ~ Complete ~54:MOTION VECTOR REFINEMENT FOR MULTI-REFERENCE PREDICTION ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: ESENLIK, Semih;KOTRA, Anand Meher;ZHAO, Zhijie~ 33:IB ~31:2017/066342 ~32:30/06/2017

2022/00936 ~ Complete ~54:CAP FOR CONTAINER ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: ALESSANDRO FALZONI~ 33:IT ~31:102021000001430 ~32:26/01/2021

2022/00947 ~ Complete ~54:BISULFITE-FREE, WHOLE GENOME METHYLATION ANALYSIS ~71:Ludwig Institute for Cancer Research Ltd, Stadelhoferstrasse 22, ZURICH 8001, SWITZERLAND, Switzerland ~72: CHENG, Jingfei;LIU, Yibin;SIEJKA-ZIELINSKA, Paulina;SONG, Chunxiao~ 33:US ~31:62/871,444 ~32:08/07/2019

2022/00961 ~ Complete ~54:IMMUNE CELLS DEFECTIVE FOR SUV39H1 ~71:INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), 101 rue de Tolbiac, 75654, Paris Cedex 13, France;INSTITUT CURIE, 26 rue d'Ulm, 75005, Paris, France;MNEMO THERAPEUTICS, 7-11 Boulevard Haussmann, 75009, Paris, France ~72: JAIME RODRIGO FUENTEALBA;MICHAEL SAIKAKIS;SEBASTIAN AMIGORENA;SHEILA LOPEZ-COBO~ 33:US ~31:62/877,789 ~32:23/07/2019;33:US ~31:62/978,936 ~32:20/02/2020;33:US ~31:63/048,328 ~32:06/07/2020

2022/00919 ~ Complete ~54:DEVICE FOR MARKING REVERSIBLE LANE LINES AND WORKING METHOD THEREOF ~71:Shandong Jiaotong University, No. 5, Jiaoxiao Road, Tianqiao District, Jinan City, Shandong Province, 250023, People's Republic of China ~72: GAO, Shang~

2022/00930 ~ Complete ~54:METHOD FOR CULTIVATING EPINEPHELUS IN LARGE WATER BODY IN OUTDOOR CEMENT POOL ~71:Hainan Academy of Ocean and Fisheries Sciences, No. 12, Baiju Avenue, Haikou City, Hainan Province, 571126, People's Republic of China ~72: Chen Fuxiao;Fu Shuyuan;Gao Jin;Liu Jinye;Wang Yongbo~

2022/00950 ~ Complete ~54:NOVEL RESISTANCE GENES ASSOCIATED WITH DISEASE RESISTANCE IN SOYBEANS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BREITINGER, Becky Welsh;CURLEY Jr., Thomas Joseph;DAWSON, John Luther;DIETRICH, Robert Arthur;FARMER, Andrew David;HIPSKIND, John Daniel;LIU, Qingli;TAN, Xiaoping~ 33:US ~31:62/881,881 ~32:01/08/2019

2022/00937 ~ Complete ~54:INTELLIGENT FARMLAND IRRIGATION FORECASTING SYSTEM ~71:ANQIU CHANG SHENG YUAN ECOLOGICAL FAMILY FARM, Guan Zhuang Zhen Xi Tiao He Cun, Anqiu City, Weifang City, People's Republic of China;WEIFANG UNIVERSITY, No. 5147, Dongfeng East Street, Weifang City, People's Republic of China ~72: CUI, Ningbo;JIANG, Xuelian;QIN, Yonghui;TIAN, Lianbo;WANG, Baojie;WANG, Ziqiang;ZHAO, Yueling~ 33:CN ~31:202111532140.X ~32:15/12/2021

2022/00946 ~ Complete ~54:SPINAL COLUMN IMPLANT CONNECTION DEVICE ~71:SIGNUS Medizintechnik GmbH, Industriestr. 2, ALZENAU 63755, GERMANY, Germany ~72: VAN DER POL, Bas~ 33:DE ~31:10 2019 005 374.5 ~32:30/07/2019

2022/00960 ~ Complete ~54:COLD STORAGE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Dongcheng District, Beijing, 100027, People's Republic of China ~72: QIAOLIANG TANG~ 33:CN ~31:202011157372.7 ~32:26/10/2020

2022/00941 ~ Complete ~54:THERMAL ENERGY ABSORBERS FOR TOBACCO HEATING PRODUCTS ~71:R.J. REYNOLDS TOBACCO COMPANY, 401 North Main Street, Winston-Salem, United States of America ~72: CHANG, Yi-Ping;CLECKLEY, Karen;CONNER, Billy T.;HEJAZI, Vahid;MONSALUD, Luis;WILLIAMS, Darrell~ 33:US ~31:16/515,654 ~32:18/07/2019

2022/00958 ~ Complete ~54:METHOD AND APPARATUS FOR PRODUCING A NONWOVEN FABRIC MADE OF CRIMPED SYNTHETIC FIBERS ~71:ASAHI KASEI KABUSHIKI KAISHA, 1-1-2, Yurakucho, Chiyoda-ku, Tokyo, 100-0006, Japan;REIFENHOFER GMBH & CO. KG MASCHINENFABRIK, Spicher StraÙe 46-48, 53844, Troisdorf, Germany ~72: HANS-GEORG GEUS;KAZUYA ZEISHO;PATRICK BOHL;SEBASTIAN SOMMER;TOBIAS WAGNER~ 33:EP ~31:19189240.5 ~32:30/07/2019

2022/00918 ~ Complete ~54:INDUSTRIALIZED CIRCULATING WATER CULTURE METHOD FOR PLECTROPOMUS LEOPARDUS AND SALT-TOLERANT VEGETABLES IN TROPICAL AREAS ~71:Hainan Academy of Ocean and Fisheries Sciences, No. 12, Baiju Avenue, Haikou City, Hainan Province, 571126, People's Republic of China ~72: Chen Fuxiao;Fu Shuyuan;Gao Jin;Liu Jinye;Wang Yongbo~

2022/00921 ~ Complete ~54:OPEN-FIELD DIRECT-SEEDING SIMPLIFIED CULTIVATION METHOD FOR SHORT-SEASON COTTON IN COASTAL SALINE-ALKALI SOIL ~71:Shandong Academy of Agricultural Sciences, 202 Gongye North Road, Jinan, Shandong , 250100, People's Republic of China ~72: DAI, Jianlong;DONG, Hezhong;LI, Weijiang;LI, Zhenhuai;XU, Shizhen;ZHANG, Dongmei~

2022/00954 ~ Complete ~54:A GRID ANTENNA ~71:BICK, Anthony Aaron, 41b 4th Avenue, Illovo, Sandton, South Africa ~72: BICK, Anthony Aaron;CONFAIT, Jean-Pierre Julius~ 33:ZA ~31:2019/04019 ~32:21/06/2019;33:ZA ~31:2019/04875 ~32:25/07/2019

2022/00917 ~ Complete ~54:TAIL GAS UNIT ACTIVE EMPTYING MECHANISM ~71:Henan University, 85 Minglun Street, Kaifeng City, Henan Province, 475001, People's Republic of China ~72: GU, Lei;MA, Qingxia~

2022/00929 ~ Complete ~54:METHOD FOR PRECISELY DETECTING GEOLOGICAL STRUCTURES BASED ON DIRECTIONAL PHASE-CHANGE VECTOR SEISMOMETRY-WHILE-DRILLING ~71:China University of Mining and Technology, No. 1, Daxue Road, Xuzhou City, Jiangsu Province , 221116, People's Republic of China ~72: CHEN, Hongyun;FANG, Jinwei;HUANG, Lanying;LI, Juanjuan;LI, Xiaozhao;WANG, Bo;WANG, Gang;ZHANG, Jun~

2022/00934 ~ Complete ~54:A PLUMBING DEVICE ~71:BEITH, Gareth, Anthony, UNIT 17 KYA NORTH PARK, BERNIE STREET, KYA SANDS, SOUTH AFRICA, South Africa ~72: BEITH, Gareth, Anthony~ 33:ZA ~31:2020/06784 ~32:30/10/2020

2022/00949 ~ Complete ~54:ANTIGEN BINDING PROTEINS SPECIFICALLY BINDING MAGE-A ~71:immatics biotechnologies GmbH, Paul-Ehrlich-Straße 15, Tübingen 72076, GERMANY, Germany ~72: BUNK, Sebastian;HOFMANN, Martin;HUTT, Meike;MAURER, Dominik;PSZOLLA, Gabriele;SCHUSTER, Heiko;SCHWABE, Frank;UNVERDORBEN, Felix;WAGNER, Claudia;YOUSEF, Sara~ 33:DE ~31:10 2019 121 007.0 ~32:02/08/2019;33:US ~31:62/882,131 ~32:02/08/2019;33:US ~31:62/905,782 ~32:25/09/2019

2022/00964 ~ Complete ~54:SALTS OF A COMPOUND, CRYSTAL FORMS OF THE SALTS AND PREPARATION METHOD AND USE THEREOF ~71:GAN & LEE PHARMACEUTICALS CO., LTD., No. 8 Nanfeng West 1st Street, Huoxian, Tongzhou District, People's Republic of China ~72: YAO, Zhenglin;YIN, Lei~ 33:CN ~31:201910542355.6 ~32:21/06/2019

2022/00924 ~ Complete ~54:QUICK FREEZING DEVICE FOR BLADE ~71:Tarim University, 705 Hongqiao South Road, Alar City, Xinjiang Province, 843300, People's Republic of China ~72: Desheng Wang;Nannan Zhang;Zehua Fan~

2022/00931 ~ Complete ~54:BACILLUS VELEZENSIS EM-1 STRAIN AND USE THEREOF ~71:Tobacco Research Institute of Chinese Academy of Agricultural Sciences (Qingzhou Tobacco Research Institute of China National Tobacco Company), No. 11, Keyuan Jingsi Road, Laoshan District, Qingdao, Shandong, 266100, People's Republic of China; Zunyi City Branch of Guizhou Tobacco Company, No.341, Renmin Road, Huichuan District, Zunyi City, Guizhou Province, 563000, People's Republic of China ~72: CHI, Xingjiang;GOU, Jianyu;HAN, Xiaobin;LIU, Jing;MENG, Chen;SUI, Xiaona;WANG, Xianbo;ZHANG, Chengsheng;ZHAO, Donglin;ZHENG, Yanfen~ 33:CN ~31:202110799337.3 ~32:15/07/2021

2022/00940 ~ Complete ~54:COUPLING DEVICE FOR THE MODULAR CONSTRUCTION OF STRUCTURES OR OBJECTS ~71:Elvir PACARADA, Benzstrasse 10, Germany;Ernest PACARADA, Benzstrasse 10, Germany ~72: Elvir PACARADA~ 33:DE ~31:10 2019 210 175.5 ~32:10/07/2019

2022/00952 ~ Complete ~54:MONOCLONAL ANTIBODY TARGETING A UNIQUE CANCER-ASSOCIATED EPITOPE OF CD43 ~71:Università degli Studi Magna Graecia Catanzaro, Viale Europa, Località Germaneto, CATANZARO 88100 , ITALY, Italy ~72: TASSONE, Pierfrancesco~ 33:US ~31:16/449,255 ~32:21/06/2019

2022/00951 ~ Complete ~54:EXTRACELLULAR VESICLE LINKED TO MOLECULES AND USES THEREOF ~71:Codiak BioSciences, Inc., 35 Cambridge Park Drive, Suite 500, CAMBRIDGE 02140, MA, USA, United States of America ~72: BOUTIN, Adam T.;NOYES, Aaron R.;ZHANG, Yi~ 33:US ~31:62/886,941 ~32:14/08/2019;33:US ~31:62/895,398 ~32:03/09/2019

2022/00957 ~ Complete ~54:QUANTIZATION PROCESS FOR PALETTE MODE ~71:BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., Room B-0035, 2/F, No.3 Building, No.30, Shixing Road, Shijingshan District,, Beijing, 100041, People's Republic of China;BYTEDANCE INC., 12655 West Jefferson Boulevard, Sixth Floor, Suite No. 137, Los Angeles, California, 90066, United States of America ~72: HONGBIN LIU;JIZHENG XU;KAI ZHANG;LI ZHANG;WEIJIA ZHU;YUE WANG~ 33:CN ~31:PCT/CN2019/096933 ~32:20/07/2019

- APPLIED ON 2022/01/21 -

2022/00972 ~ Complete ~54:AN INTEGRATED ENGLISH TEACHING SYSTEM FOR ENGLISH TEACHING ~71:Jilin Sport University, No.2476, Ziyu Road, Nangan District, Changchun City, Jilin Province, 130022, People's Republic of China ~72: LIU, Shuang~

2022/00977 ~ Complete ~54:PREVENTION AND CONTROL TECHNOLOGY OF ALIEN INVASIVE PROCAMBARUS CLARKII GIRARD BASED ON PHYSICAL METHOD ~71:Jiangsu Pesticide Management Station, #97 Nan-hu-lu, Jianye, Nanjing, Jiangsu, People's Republic of China;Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, #8 Jiang-wang-miao-jie, Xuanwu, Nanjing, Jiangsu, People's Republic of China ~72: Chen Anna;Ma Fangzhou;Wang Chenbin;Xu Haigen;Zhang Yanjing~

2022/00975 ~ Complete ~54:INTEGRATED SPORTS MONITORING SYSTEM AND METHOD THEREOF ~71:Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, People's Republic of China ~72: GAO, Weihua;GUI, Xue;KOU, Guan;LI, Qinfeng;SUN, Yong;WANG, Chenyu;YOU, Yuandeng~ 33:CN ~31:202111525090.2 ~32:14/12/2021

2022/00993 ~ Complete ~54:SELF-RESETTING VIBRATION REDUCTION AND ISOLATION FRAME STRUCTURE FOR SEISMIC REINFORCEMENT OF SLOPE ~71:China Harbor Engineering Co., Ltd, NO.9 Chunxiu Road, Dongcheng District, Beijing, 100010, People's Republic of China;Guizhou University, 2708 south section of Huaxi Avenue, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China;National Institute of Natural Hazards, Ministry of Emergency Management of China, NO.1 Anningzhuang Road, Haidian District, Beijing, 100089, People's Republic of China;Shijiazhuang Institute of Railway Technology, No.18,Sishuichang Road, Chang'an District, Shijiazhuang City, Hebei Province, 050000, People's Republic of China;Western University, No. 1151 Richmond Street, London City, Ontario Province, N6A5B7, Canada;Zunyi Water Resources and Hydropower Survey, Design and Research Institute Co., Ltd., 167 Xianma Road, Zunyi City, Guizhou Province, 563002, People's Republic of China ~72: Goda Katsuichiro;Huang Shuai;Liu Chuazheng;Shang Yanliang;Tao Tiejun;Wang Rong;Yao Guozhuan~

2022/01028 ~ Complete ~54:HAIR TREATMENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: LOUISE JANNETTE ROBERTS;LUISA ZOE COLLINS;NICHOLAS, JOHN AINGER;STEPHEN GOLDING~ 33:EP ~31:19188726.4 ~32:26/07/2019

2022/00967 ~ Provisional ~54:POCKET HOSPITAL ~71:Gregory Ikgetheleng Shwaepane, 258 Bekezela street kingswat, South Africa ~72: Gregory Ikgetheleng Shwaepane~

2022/00997 ~ Complete ~54:MOBILE OPERATION ROBOT FOR FIELD MANAGEMENT AND WORKING METHOD THEREOF ~71:Fuzhou University, No.2 Wulong Jiangbei Avenue, Fuzhou University Town, Minhou County, Fuzhou City, Fujian Province, 350108, People's Republic of China ~72: Chen Xinkai;Dong Hui;Li Xubing;Liu Ben;Sun Hao~ 33:CN ~31:202110135408.X ~32:01/02/2021

2022/01000 ~ Complete ~54:ONLINE THREE-STAGE VORTEX DEHYDRATION DEVICE WITH SUBSEA PIPELINE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: JIANG, Jingliang;LIU, Chunhua;LIU, Xinfu;SHI, Yun;TAN, Jiwen;ZHANG, Zhonghui~

2022/01023 ~ Complete ~54:CROSS-MEDIA MEASUREMENT DEVICE AND METHOD ~71:Hyphametrics, Inc., 80 State Street, ALBANY 12207-2543, NY, USA, United States of America ~72: DREWS, Joanna;ZAMUDIO, Gerardo Lopez~ 33:US ~31:62/871,789 ~32:09/07/2019

2022/00980 ~ Complete ~54:PREPARATION METHOD OF CLEAN AND ENVIRONMENT-FRIENDLY PHENYL METHYL SULFIDE ~71:Tai'an Kesaier Chemical Technology Co., Ltd., Circular Economy Industrial Demonstration Zone, Loude Town, Xintai County, Tai'an City, Shandong, 271212, People's Republic of China ~72: LI, Ming;LI, Ruiying;LIU, Gongjun;TANG, Xingliang;WANG, Xin;YANG, Fengke;ZHANG, Jin;ZHANG, Qian;ZHENG, Xiaohai~

2022/00986 ~ Complete ~54:SOIL CUTTING AND EXCAVATING COMPONENT WITH ULTRASONIC VIBRATION ~71:Qingdao Agricultural University, No. 700 Changcheng Road, Chengyang, Qingdao, Shandong Province, People's Republic of China ~72: Hui Ni;Ren Weijun;Wang Jiasheng;Zhao Zhihao;Zong Guangpeng~

2022/00991 ~ Complete ~54:AN ORGANIC-INORGANIC HYBRID PHOTOELECTRIC DETECTOR ~71:Huainan Normal University, East Shanxi Road, Huainan City, Anhui Province, People's Republic of China ~72: WANG, Shouya;YU, Haijun;ZHANG, Ke~

2022/01001 ~ Complete ~54:PNEUMATIC PRESSURIZED CONNECTION DEVICE FOR SUBSEA PIPELINE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: CHEN, Fengguan;LI, Dongnian;LIU, Chunhua;LIU, Xinfu;WANG, Yaying;YANG, Yong~

2022/01024 ~ Complete ~54:HYDRAULIC SYSTEM, MINING MACHINE AND METHOD OF CONTROLLING HYDRAULIC ACTUATOR ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEG 8740, AUSTRIA, Austria ~72: POGATSCHNIGG, Reinhold;UMUNDUM, Christian~

2022/00966 ~ Provisional ~54:CONVEYOR SKIRT SYSTEM ~71:KCM ENGINEERS CC, 24 Cunningham Street, Kuruman, 8460, South Africa ~72: GERT BLEEKER KOTZE~

2022/00989 ~ Complete ~54:A DEVICE INTEGRATING THE FUNCTIONS OF A GAS STOVE, AN AIR CONDITIONER AND A WATER HEATER ~71:LIU, Yan, Room 804, Unit 2, Building 3, Xichengshangzhu, Shaziling, Yuhu Dist., Xiangtan, Hunan, People's Republic of China ~72: LIU, Yan~

2022/00999 ~ Complete ~54:BREEDING METHOD FOR HARD WOOD CUTTING OF CUDRANIA TRICUSPIDATA BUR ~71:Zhejiang Wanli University, No. 8, Qianhu South Road, Yinzhou District, Ningbo City, Zhejiang Province, 315100, People's Republic of China ~72: BAO, Zeyang;LI, Xu;YANG, Zhenfeng;ZHENG, Qingbo~

2022/01009 ~ Complete ~54:RECOMBINANT MODIFIED VACCINIA VIRUS ANKARA (MVA) FILOVIRUS VACCINE ~71:BAVARIAN NORDIC A/S, Hejreskovvej 10 A, 3490, Kvistgaard, Denmark ~72: ARIANE VOLKMANN;HENNING LAUTERBACH;HUBERTUS HOCHREIN;JÜRGEN HAUSMANN;ROBIN STEIGERWALD;ULRIKE DIRMEIER~ 33:US ~31:62/045,538 ~32:03/09/2014;33:US ~31:62/055,154 ~32:25/09/2014

2022/00990 ~ Complete ~54:A UNIVERSAL PORCINE CIRCOVIRUS 2 NESTED PCR PRIMER SET AND ITS APPLICATION ~71:Yangtze University, No. 1 South Ring Road, Jingzhou District, Jingzhou City, Hubei Province, People's Republic of China ~72: Guo Liwei;Liu Guoping;Yang Jie;Yang Xiaolin;Zeng Pan;Zhao Runze~

2022/01012 ~ Complete ~54:MACHINING FIXTURE FOR LIFTING VALVE STEM OF FIRE HYDRANT ~71:Shandong Daozhisheng Information Technology Co., Ltd., Building B3, Blue Zhigu, Jiankang East Street, High-tech Zone, Weifang City, Shandong Province, People's Republic of China ~72: Qianqian MOU~ 33:CN ~31:2021101504693 ~32:04/02/2021

2022/01026 ~ Complete ~54:INORGANIC POLYMERS AND USE THEREOF IN COMPOSITE MATERIALS ~71:Agemos AG, Zugerstraße 116, CHAM 6330, SWITZERLAND, Switzerland ~72: EHSAEI, Hossein;FUTTERKNECHT, Sidon;SPANGENBERG, Bernd~ 33:DE ~31:10 2019 005 107.6 ~32:23/07/2019

2022/00973 ~ Complete ~54:A DESIGN SYSTEM AND METHOD FOR AUGMENTED REALITY INSTRUCTION IN INDUSTRIAL OPERATION ~71:Northwestern Polytechnical University, Northwestern Polytechnical University, No.127 Youyi West Road, Xi 'an, Shaanxi Province, 710072, People's Republic of China ~72: CHENG, Qi;GENG, Junhao;GUO, Zhenxin;WEI, Huirong;ZHAO, Xinyang~

2022/00995 ~ Complete ~54:ARTIFICIAL INTELLIGENCE PATHOLOGY SAMPLING AND MAPPING DEVICE ~71:Shanghai Ocean University, No.999, Hucheng Huan Road, Pudong New Area, Shanghai , 201306, People's Republic of China ~72: WANG, Wenjuan;XU, Heyang~

2022/01002 ~ Complete ~54:INCLINED-PIPE-TYPE UNDERWATER ONLINE ELECTRIC DEHYDRATION DEVICE WITH ROW-AND-COLUMN ELECTRODE ARRAY ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: GAO, Peng;LIU, Chunhua;LIU, Xinfu;SHANG, Chao;WANG, Haiyan;ZHENG, Xiaopeng~

2022/01003 ~ Complete ~54:PREPARATION METHOD OF THIN-WALLED ALUMINUM FOAM SPECIAL-SHAPED PARTS ~71:Shenyang University of Technology, No.111, Shenliao West Road, Economic Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: Guo Zhiqiang;Liu Tongyu;Wang Feng;Yu Mengfei;Yuan Xiaoguang;Zu Guoyin~

2022/00974 ~ Complete ~54:A FIXED-POINT MARKING DEVICE FOR GEOLOGICAL EXPLORATION ~71:Inner Mongolia University of Technology, No.49, Aimin Road (North), Xincheng District, Hohhot, Inner Mongolia Autonomous Region, 010051, People's Republic of China ~72: LI, Xuehua;LUO, Yuhang;MI, Wentian;WANG, Shengning;YE, Xiangfei;ZHANG, Penghao~

2022/00983 ~ Complete ~54:TWO-COMPONENT PACKING CEMENT ~71:Shanghai Yueli New Material Technology Co., Ltd., Xingyuan Development Zone, 4th Floor, Building 22, No.85 Mingnan Road, Songjiang District, Shanghai, 201613, People's Republic of China ~72: WANG, Zhifei~

2022/00984 ~ Complete ~54:ADDITIVE MANUFACTURING AIR HOLE AND CRACK DETECTION METHOD AND DEVICE BASED ON NEUTRON IMAGING ~71:Dongguan University of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong, 523808, People's Republic of China;Institute of Advanced Science Facilities, Shenzhen, Building A3, No. 268, Zhenyuan Road, Guangming District, Shenzhen, Guangdong, 518107, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;SHANG, Xin;XU, Jin;ZHANG, Lijuan;ZHOU, Zirong~

2022/00992 ~ Complete ~54:SYNTHESIS METHOD OF MEDIUM-CHAIN TRIGLYCERIDES ~71:Guangzhou Junmu Biotechnology Co., Ltd, Room 401,402,404,406,408, Building 1, No. 10 Keyan Road, Huangpu District, Guangzhou, 510700, People's Republic of China ~72: LAI, Jinqiang;LIN, Kaiwen;XU, Kai;YAN, Huanxiong;ZOU, Xiaoyan~

2022/01006 ~ Complete ~54:ARM TUBE TYPE SPHYGMOMANOMETER WITH SEAT CAPABLE OF BEING ADAPTIVELY ADJUSTED ~71:West China Hospital of Sichuan University, No. 37, Guoxue Alley, Wuhou District, Chengdu City, Sichuan, 610000, People's Republic of China ~72: JI, Guiyi;LI, Weimin~

2022/01020 ~ Complete ~54:ENZYME INHIBITORS ~71:KaI Vista Pharmaceuticals Limited, Porton Science Park, Bybrook Road, Porton Down, SALISBURY SP4 0BF, WILTSHIRE, UNITED KINGDOM, United Kingdom ~72: CRIDLAND, Andrew Peter;DAVIE, Rebecca Louise;EDWARDS, Hannah Joy;EVANS, David Michael;GANCIA, Emanuela;GOLDSMITH, Erica Lee;HINCHLIFFE, Paul Stuart;HODGSON, Simon Teanby;JANDU, Karamjit Singh;SMITH, Alun John~

2022/01013 ~ Complete ~54:DEVICE FOR MEASURING ASSEMBLY HEIGHT OF TAPERED ROLLER BEARINGS ~71:Shandong Daozhisheng Information Technology Co., Ltd., Building B3, Blue Zhigu, Jiankang East Street, High-tech Zone, Weifang City, Shandong Province, People's Republic of China ~72: Dandan ZHANG;Qianqian MOU;Yide SONG~ 33:CN ~31:2021101392147 ~32:02/02/2021

2022/01014 ~ Complete ~54:PROTECTIVE GARMENT ~71:TSHABALALA, Tumelo Peter, Stand 860 Zone 1, GA-RANKUWA, Pretoria 0208, Gauteng, SOUTH AFRICA, South Africa ~72: TSHABALALA, Tumelo Peter~

2022/00968 ~ Complete ~54:HIGH-EFFICIENCY SLOW RELEASE SUPEROVULATION METHOD FOR SHEEP ~71:INSTITUTE OF ANIMAL HUSBANDRY, HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China;NORTHEAST AGRICULTURAL UNIVERSITY, NO. 600, CHANGJIANG ROAD, People's Republic of China ~72: JIAO, HONGTAO;JIN, ZHENHUA;LIU, YUFENG;LU, MINGHAI;QIU, YUEWEI;WANG, ZIMING;YAO, YUCHANG;YU, YANBO~

2022/00978 ~ Complete ~54:SUB-BOTTOM PROFILE THREE-DIMENSIONAL MULTI-BODY MODELING METHOD ~71:SECOND INSTITUTE OF OCEANOGRAPHY, MNR, No. 36, Baochu North Road, Xihu District, Hangzhou, Zhejiang, 310012, People's Republic of China ~72: HAN, Xibin;HU, Liangming;XIANG, Bo;ZHANG, Yongcong;ZHANG, Zhiyi;ZHAO, Ning~

2022/00988 ~ Complete ~54:A HYBRID COMBINED POWER SYSTEM ~71:LIU, Yan, Room 804, Unit 2, Building 3, Xichengshangzhu, Shaziling, Yuhu Dist., Xiangtan, Hunan, People's Republic of China ~72: LIU, Yan~

2022/01008 ~ Complete ~54:ADDITIVE MANUFACTURE OF COMPLEX IMPLANTABLE LIVING DEVICES ~71:The General Hospital Corporation, 55 Fruit Street, BOSTON 02114, MA, USA, United States of America ~72:

HANCOCK, Matthew J.;OLIVER, Mark S.;SPANN, Andrew P.;VACANTI, Joseph P.~ 33:US ~31:62/676,602 ~32:25/05/2018

2022/01015 ~ Complete ~54:SCREEN CHANGER FOR MAINTAINING LABORATORY PAPERMAKING INSTRUMENT ~71:HENAN JING'AN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD., East Side, 80 meters north of the Intersection of Zhongyuan Road and Pushang Road, Puyang City, People's Republic of China ~72: CHEN, Hongkun;CHEN, Zhendong;CHENG, Fuxing;JIN, Yang;LIU, Gangbiao;LIU, Jiayi;SUN, Zengliang;WANG, Rui;XIAO, Jing;XING, Yongfang;ZHANG, Hairong;ZHANG, Wei;ZHANG, Yong;ZHAO, Wei;ZHAO, Zengjin;ZHU, Baozhu;ZI, Zhiwu~

2022/01017 ~ Complete ~54:BATTERY COMMUNICATION AND CONTROL SYSTEMS AND METHODS ~71:DD DANNAR LLC, 4620 W. Bethel Avenue, Suite 1, United States of America ~72: DANNAR, Gary, Don;HUNG, Stephen, T.~ 33:US ~31:62/865,672 ~32:24/06/2019

2022/01022 ~ Complete ~54:A BACILLUS STRAIN AND METHODS OF ITS USE FOR PLANT GROWTH PROMOTION ~71:Auburn University, Office of Innovation Advancement and Commercialization, 570 Devall Drive, Suite 102, AUBURN 36832, AL, USA, United States of America;Bayer CropScience LP, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: ALLY, Dilara;BERNHARD, Joshua;FERNANDEZ, Lorena;GUILHABERT, Magalie;KLOEPPER, Joseph W.;MANAVALAN, Lakshmi Praba;MCINROY, John A.;NANGLE, Kate W.;THOMAS, Varghese P.~ 33:US ~31:62/865,823 ~32:24/06/2019

2022/01019 ~ Complete ~54:SYNERGISTIC STABLE NITROGEN FERTILIZER AND PREPARATION METHOD ~71:INSTITUTE OF APPLIED ECOLOGY, CHINESE ACADEMY OF SCIENCES, No. 72 Wenhua Road, Shenhe District, Shengyang, Liaoning, 110016, People's Republic of China ~72: Lili ZHANG;Zhanbo WEI;Zhijie WU~ 33:CN ~31:202011201432.0 ~32:02/11/2020

2022/00969 ~ Complete ~54:GRAPHENE-ENHANCED PHYTIC ACID-BASED METAL PASSIVATORS, PREPARATION METHODS AND USES ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: GUO, Xiangke;JIN, Zuquan;LI, Ning;PANG, Bo;SUN, Tao;TAO, Weirong;WANG, Penggang;XIONG, Chuansheng;XU, Xiangbo;YU, Yong;ZHANG, Xiaoying~

2022/00970 ~ Complete ~54:ROBOT AUTOMATIC PALLETIZING METHOD BASED ON VISION PROCESSING ~71:Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: LIU, Zhenyu;ZHAO, Bin~

2022/00985 ~ Complete ~54:TESTING METHOD OF UNIFORMITY AND STRESS OF ELEMENT FOR ADDITIVE MANUFACTURING ~71:Dongguan University of Technology, No.1, Daxue Rd., Songshan Lake, Dongguan, Guangdong , 523808, People's Republic of China;Institute of Advanced Science Facilities, Shenzhen, Building A3, No. 268, Zhenyuan Road, Guangming District, Shenzhen, Guangdong, 518107, People's Republic of China ~72: CHEN, Shenggui;LI, Nan;SHANG, Xin;XU, Jin;ZHANG, Lijuan;ZHOU, Zirong~

2022/01005 ~ Complete ~54:DOUBLE ROWS SELF-PROPELLED VEGETABLE SEED ROPE PLANTER ~71:Qingdao Agricultural University, No. 700 Changcheng Road, Chengyang, Qingdao, Shandong Province, People's Republic of China ~72: Hui Ni;Wang Jiasheng;Wang Zhiqiu;Yang Lili~

2022/01011 ~ Complete ~54:ANTI-CD137 MOLECULES AND USE THEREOF ~71:ADAGENE INC., Harbour Place, 103 South Church Street, P.O. Box 2582, Grand Cayman, KY1-1103, Cayman Islands ~72: FANGYONG DU;GUIZHONG LIU;JUN CHEN;PETER CHEUNG;PETER PEIZHI LUO;XIAOHONG SHE;YAN LI~ 33:CN ~31:PCT/CN2017/098332 ~32:21/08/2017

2022/01025 ~ Complete ~54:HETEROBICYCLIC AMIDES AS INHIBITORS OF CD38 ~71:Ribon Therapeutics Inc., 35 Cambridgepark Drive, Suite 300, CAMBRIDGE 02140, MA, USA, United States of America ~72: DOWNING, Jennifer;KUNTZ, Kevin Wayne;PERL, Nicholas Robert;SCHENKEL, Laurie B.;VASBINDER, Melissa Marie~ 33:US ~31:62/880,923 ~32:31/07/2019;33:US ~31:62/951,604 ~32:20/12/2019;33:US ~31:63/034,750 ~32:04/06/2020

2022/00982 ~ Complete ~54:METHOD FOR PREPARING NANO-SILICA MODIFIED SQUALENE ORGANOSILICON PARTICLES, AND APPLICATION THEREOF TO CIGARETTE FILTER ~71:CHINA TOBACCO GUANGXI INDUSTRIAL CO., LTD., No. 28, Beihu South Road, Nanning City, Guangxi Zhuang Autonomous Region, 530001, People's Republic of China;GUANGXI UNIVERSITY, No. 100, Daxue East Road, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;South China Agricultural University, No. 483, Wushan Road, Wushan Street, Tianhe District, Guangzhou City, Guangdong Province, 510642, People's Republic of China;TOBACCO COMPANY HECHI CITY COMPANY OF GUANGXI ZHUANG AUTONOMOUS REGION, No. 347, Nanxin East Road, Hechi City, Guangxi Zhuang Autonomous Region, 547000, People's Republic of China ~72: GU, Minghua;HE, Mingxiong;HE, Yuanlan;HUANG, Chongjun;JIA, Haijiang;JIANG, Dingxin;JIN, Yabo;LI, Zhi;QIN, Shangzhong;SHEN, Fangke;WEI, Jianyu;WEI, Zhengyu;YANG, Qigang;YANG, Xiaodong;ZHANG, Jili~

2022/00994 ~ Complete ~54:ROADWAY INTELLIGENT TRANSIENT ELECTROMAGNETIC DETECTION AND REAL-TIME EARLY WARNING METHOD ~71:China University of Mining and Technology, No. 1, Daxue Road, Xuzhou City, Jiangsu, 2211161, People's Republic of China;Hebi Coal and Electric Co., Ltd. No.9 Coal Mine, Jiukuang Square, Hebi Town, Hebi City, Henan, 458019, People's Republic of China;Xuzhou University of Technology, No. 2 Lishui Road, Yunlong District, Xuzhou City, Jiangsu, 221018, People's Republic of China ~72: GONG, Qili;HU, Shuai;HUANG, Lanying;PEI, Jingyao;WANG, Bo;WANG, Gang;WANG, Yong;ZHU, Bin~

2022/00998 ~ Complete ~54:VERATRALDEHYDE PREPARATION PROCESS ~71:Shandong Holly Pharmaceutical Co.,Ltd., No. 99, Wutong 9th Road, Binbei Office, Bincheng District, Binzhou City, Shandong Province, 256651, People's Republic of China ~72: GAI, Shuqiang;JIANG, Lijun;LI, Lanhua;LIN, Zhen;LIU, Zhiyuan;QIU, Yuenan;SUN, Kuankuan;WU, Huaqiang;ZHANG, Hongyuan~

2022/01004 ~ Complete ~54:NOVEL SURROUNDING ROCK EXCAVATION DEVICE FOR WEAK SURROUNDING ROCK TUNNELS ~71:Shijiazhuang Tiedao University, No. 17, east North Second Ring Road, Shijiazhuang City, Hebei Province, 050043, People's Republic of China ~72: Dong Beiyi;Fan Haobo;Gao Xinqiang;Kong Chao;Peng Ju;Ren Daoyuan;Yang Tengjie;Yu Wenjing;Zhu Yongquan;Zhu Zhengguo~

2022/01029 ~ Complete ~54:STRAIN AND METHOD FOR PRODUCING ROSMARINIC ACID ~71:HONGTAOSIM RESEARCH INSTITUTE OF ANALYCAL SCIENCE AND TECHNOLOGY LTD. CO., Xinxing Jihua Building No. 35, Hanguang North Road, Beilin District, Xi'an, Shaanxi, 710068, People's Republic of China ~72: XIAOHUI ZHENG;YAJUN BAI;YANRUI DING;YI YAN;YUJIE CAI~ 33:CN ~31:201910554108.8 ~32:25/06/2019

2022/00971 ~ Complete ~54:FLUE-CURED TOBACCO BULK CURING PROCESS MODE CAPABLE OF ADAPTING TO GREAT CHANGES OF TOBACCO LOADING QUANTITY OF CURING BARN ~71:CHINA TOBACCO GUANGXI INDUSTRIAL CO., LTD., No. 28, Beihu South Road, Xixiangtang District, Nanning City, Guangxi Zhuang Autonomous Region, 530001, People's Republic of China;GUANGXI UNIVERSITY, No. 100, Daxue East Road, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;TOBACCO COMPANY BAISE CITY COMPANY OF GUANGXI ZHUANG AUTONOMOUS REGION, No. 310, Aixin Street, Youjiang District, Baize City, Guangxi Zhuang Autonomous Region, 533099, People's Republic of China;TOBACCO COMPANY HECHI CITY COMPANY OF GUANGXI ZHUANG AUTONOMOUS REGION, No. 347, Nanxin East Road, Hechi City, Guangxi Zhuang Autonomous Region, 547099, People's Republic of

China;UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA, No. 96, Jinzhai Road, Hefei City, Anhui Province, 230026, People's Republic of China ~72: CHEN, Dengke;GU, Minghua;HE, Mingxiong;HUANG, Chongjun;JIN, Yabo;LI, Junlin;LIN, Beisen;LV, Zesheng;SHEN, Fangke;WANG, Junfeng;WANG, Nengru;WEI, Jianyu;XU, Wenwei;ZHANG, Jili;ZHOU, Lanjin;ZHU, Xianling~

2022/00976 ~ Complete ~54:PREVENTION AND CONTROL TECHNOLOGY OF PROCAMBARUS CLARKII GIRARD BASED ON LARVAL FILTRATION METHOD ~71:Jiangsu Pesticide Management Station, #97 Nan-hu-lu, Jianye, Nanjing, Jiangsu, People's Republic of China;Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, #8 Jiang-wang-miao-jie, Xuanwu, Nanjing, Jiangsu, People's Republic of China ~72: Chen Anna;Ma Fangzhou;Wang Chenbin;Xu Haigen;Zhang Yanjing~

2022/00987 ~ Complete ~54:METHOD FOR QUICKLY TESTING NICOTINE CONTENT IN FLUE-CURED TOBACCO LEAVES ~71:CHINA TOBACCO GUANGXI INDUSTRIAL CO., LTD., No. 28, Beihu South Road, Nanning City, Guangxi Zhuang Autonomous Region, 530001, People's Republic of China;GUANGXI UNIVERSITY, No. 100, Daxue East Road, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;TOBACCO COMPANY HECHI CITY COMPANY OF GUANGXI ZHUANG AUTONOMOUS REGION, No. 347, Nanxin East Road, Hechi City, Guangxi Zhuang Autonomous Region, 547000, People's Republic of China ~72: GU, Minghua;HE, Mingxiong;HU, Jianbin;HUANG, Chongjun;JIA, Haijiang;JIN, Yabo;OU, Qinghua;SHEN, Fangke;WANG, Zheng;WEI, Jianyu;WEI, Zhengyu;XU, Xueqin;ZHANG, Jili~

2022/00996 ~ Complete ~54:VERATONE PREPARATION PROCESS ~71:Shandong Holly Pharmaceutical Co.,Ltd., No. 99, Wutong 9th Road, Binbei Office, Bincheng District, Binzhou City, Shandong Province, 256651, People's Republic of China ~72: GAI, Shuqiang;JIANG, Lijun;LI, Lanhua;LIN, Zhen;LIU, Zhiyuan;QIU, Yuenan;SUN, Kuankuan;WU, Huaqiang;ZHANG, Hongyuan~

2022/01007 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING CANCERS ~71:Yueyang Hospital of Traditional Chinese Medicine, Yueyang Hospital of Traditional Chinese Medicine, Fengqiaohu Road, Yueyanglou District, Yueyang City, Hunan, 414000, People's Republic of China ~72: AI, Jinchang~

2022/01016 ~ Complete ~54:HIGH CONCENTRATION ANTI-C5 FORMULATIONS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: KLEPPE, Mary;PATEL, Mayank;TANG, Xiaolin~ 33:US ~31:62/888,086 ~32:16/08/2019

2022/01021 ~ Complete ~54:A FORMULATION OF A CONJUGATE OF A TUBULYSIN ANALOG TO A CELL-BINDING MOLECULE ~71:Hangzhou DAC Biotech Co., Ltd, 1 Fl, Building 12, 260 Sixth Street, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: BAI, Lu;CHEN, Binbin;CHEN, Miaomiao;CHEN, Xiaoxiao;DAI, Meng;DU, Yong;FAN, Zhongliang;GAI, Shun;GUO, Huihui;GUO, Zhixiang;HUANG, Yuanyuan;JIA, Junxiang;JIANG, Xingyan;KONG, Xiangfei;LI, Wenjun;LI, Yanhua;LIN, Chen;XU, Yifang;YANG, Qingliang;YANG, Yanlei;YE, Hangbo;ZHANG, Lingli;ZHANG, Xiuzhen;ZHANG, Yu;ZHAO, Linyao;ZHAO, Robert;ZHENG, Jun;ZHENG, Xiuhong;ZHOU, Lei;ZHOU, Xiaomai~ 33:IB ~31:2019/092614 ~32:24/06/2019;33:IB ~31:2019/093946 ~32:29/06/2019

2022/00981 ~ Complete ~54:REFLECTIVE HEAT-INSULATING WATER-IN-WATER MULTICOLOR PAINT ~71:Shanghai Lvtedan Thermal Insulation Engineering Co.,Ltd., Room 29, Area A, 1st Floor, Building 1, No. 1, Xubei Road, Qingpu District, Shanghai, 201600, People's Republic of China ~72: WANG, Zhifei~

2022/00979 ~ Complete ~54:THIOPHENE PRODUCTION RECYCLING SYSTEM ~71:Tai'an Kesaier Chemical Technology Co., Ltd., Circular Economy Industrial Demonstration Zone, Loude Town, Xintai County, Tai'an City, Shandong, 271212, People's Republic of China ~72: LI, Ruiying;LIU, Gongjun;TANG, Xingliang;YANG, Fengke;ZHANG, Jin;ZHANG, Qian;ZHENG, Xiaohai~

2022/01010 ~ Complete ~54:CHIRAL REAGENTS FOR PREPARATION OF HOMOGENEOUS OLIGOMERS
 ~71:EISAI R&D MANAGEMENT CO., LTD., 6-10, Koishikawa 4-chome, Bunkyo-ku, Tokyo 112-8088, Japan
 ~72: ATSUSHI ENDO;FRANCIS FANG;HYEONG WOOK CHOI;MINGDE SHAN;ROBERT T YU~ 33:US
 ~31:62/201,510 ~32:05/08/2015

2022/01018 ~ Complete ~54:IMMUNO ONCOLOGY COMBINATION THERAPIES WITH IL-2 CONJUGATES
 ~71:SYNTHORX, INC., 11099 North Torrey Pines Road, Suite 290, United States of America ~72: CAFFARO,
 Carolina E.;MILLA, Marcos;PTACIN, Jerod~ 33:US ~31:62/887,400 ~32:15/08/2019;33:US ~31:62/903,187
 ~32:20/09/2019;33:US ~31:62/962,668 ~32:17/01/2020

2022/01027 ~ Complete ~54:CRYSTALLINE FORMS OF 7-CHLORO-2-(4-(3-METHOXYAZETIDIN-1-
 YL)CYCLOHEXYL)-2,4-DIMETHYL-N-((6-METHYL-4-(METHYLTHIO)-2-OXO-1,2-DIHYDROPYRIDIN-3-
 YL)METHYL)BENZO[D][1,3]DIOXOLE-5-CARBOXAMIDE ~71:Constellation Pharmaceuticals, Inc., 215 First
 Street, Suite 200, CAMBRIDGE 02142, MA, USA, United States of America ~72: BANDA, Alamelu;GEHLING,
 Victor S.~ 33:US ~31:62/878,012 ~32:24/07/2019

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

Application Number	Assignor	Assignee
2013/07820	BIOPROJECT	SUN PHARMA ADVANCED RESEARCH COMPANY LIMITED
2019/01253	BOEHRINGER INGELHEIM INTERNATIONAL GMBH	ZEALAND PHARMA A/S
2018/02900	ANTONY, BENNY	ARJUNA NATURAL PRIVATE LIMITED
2019/00926	BIGBEN INTERACTIVE SA	NACON
2020/03388	VALIO LTD	PAKKASUKKO OY
2016/07152	ASTELLAS PHARMA EUROPE LTD.	TILLOTTS AG
2015/05048	ASTELLAS PHARMA EUROPE LTD.	TILLOTTS AG
2018/00217	ASTELLAS PHARMA EUROPE LTD.	TILLOTTS AG
2020/00959	BRAIN INNOVATION CO., INC.	TOHOKU UNIVERSITY
2017/07232	RHODES UNIVERSITY	ANGLO OPERATIONS PROPRIETARY LIMITED T/A ANGLO AMERICAN COAL SOUTH AFRICA
2010/02354	RHODES UNIVERSITY	ANGLO OPERATIONS PROPRIETARY LIMITED T/A ANGLO AMERICAN COAL SOUTH AFRICA
2017/07229	RHODES UNIVERSITY	ANGLO OPERATIONS PROPRIETARY LIMITED T/A ANGLO AMERICAN COAL SOUTH AFRICA
2016/02768	NOVOZYMES BIO AG A/S	DANSTAR FERMENT AG
2014/00249	GILEAD PHARMASSET LLC	GILEAD SCIENCES, INC.
2012/07799	GILEAD PHARMASSET LLC	GILEAD SCIENCES, INC.
2012/00310	GILEAD PHARMASSET LLC	GILEAD SCIENCES, INC.
2009/06647	GILEAD PHARMASSET LLC	GILEAD SCIENCES, INC.
2010/05536	CID LINES NV	ECOLAB USA INC.
2021/04318	MEDSHINE DISCOVERY INC.	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.

Application Number	Assignor	Assignee
2019/06161	PROFOUNDA, INC.	PROFOUNDA HEALTH AND BEAUTY INC.
2018/01674	BAYER CROPSCIENCE AKTIENGESELLSCHAFT	BAYER ANIMAL HEALTH GMBH
2017/03905	LES LABORATOIRES SERVIER	GALAPAGOS NV
2012/00258	VAN NIEKERK DENNIS	MECHANISED MINING SERVICES (PTY) LTD
2012/06804	ALFREDO ZOLEZZI-GARRETON	PLASMA WATER SOLUTIONS LLC
2014/09356	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2014/08920	DASSAULT SYSTEMES CANADA INC.	DASSAULT SYSTEMES AUSTRALIA PTY LTD
2014/09437	DASSAULT SYSTEMES CANADA INC.	DASSAULT SYSTEMES AUSTRALIA PTY LTD
2014/04401	ALCOA USA CORP.	ALCOA WARRICK LLC
2018/00951	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2018/01734	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2018/02758	KONINKLIJKE NEDERLANDSE AKADEMIE VAN WETENSCHAPPEN	MERUS N.V.
2018/02758	OCELLO B.V.	MERUS N.V.
2020/00046	ANGLO AMERICAN SERVICES (UK) LTD	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
2020/03107	ANGLO AMERICAN SERVICES (UK) LTD	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
20/01/2022	ANGLO AMERICAN SERVICES (UK) LTD	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
2017/08343	ANGLO AMERICAN SERVICES (UK) LTD	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
2017/05876	ANGLO AMERICAN SERVICES (UK) LTD	ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD
2017/07696	DE BRUIN, JACQUES	LEAPIP (PTY) LTD
2016/08103	CHINA UNIVERSITY OF MINING AND TECHNOLOGY	BEIJING TIANMA INTELLIGENT CONTROL TECHNOLOGY CO., LTD, BEIJING CCRI-TIANMA AUTOMATION TECHNOLOGY CO. LTD.
2020/01805	UMC UTRECHT HOLDING B.V.	TIGATX, INC.
2020/01331	COMBRINK, DIRK, PIETER	UDICOM (PTY) LTD
2018/08596	ORBITAL AUSTRALIA PTY LTD	PPK MINING EQUIPMENT PTY LTD.
2014/07198	DE STAAT DER NEDERLANDEN, VERT. DOOR DE MINISTER VAN WYS, MINISTERIE VAN VOLKSGEZONDHEID, WELZIJN EN SPORT	INTRAVACC B.V.
2019/04929	SELENITY THERAPEUTICS (BERMUDA), LTD.	PHASEBIO PHARMACEUTICALS, INC.
2018/00201	DEAN MAYERLE	TRITANA INTELLECTUAL PROPERTY LTD.
2010/05583	DURATRAY LTDA	NEXUS MINE PTY LTD.
2019/07539	LIXIL CORPORATION	LIXIL CORPORATION (HAVING

Application Number	Assignor	Assignee
		CORPORATE REGISTRATION NUMBER 0106-01-004914)
2017/01552	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2011/08805	OBERTHUR TECHNOLOGIES	OBERTHUR FIDUCIAIRE SAS
2016/06016	VOICEAGE CORPORATION	VOICEAGE EVS LLC
2013/05431	VOICEAGE CORPORATION	VOICEAGE EVS LLC
2011/08331	OBERTHUR TECHNOLOGIES	OBERTHUR FIDUCIAIRE SAS
2011/08331	OBERTHUR TECHNOLOGIES	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2016/07495	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2018/03981	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2012/07257	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2013/04382	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2014/02214	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2018/03517	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2016/04929	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2016/07496	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2015/04225	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2015/04286	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2013/07076	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2011/08805	OBERTHUR FIDUCIAIRE SAS	OBERTHUR FIDUCIAIRE SAS (PREVIOUSLY KNOWN AS FCO 2 SAS)
2018/01786	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2018/07073	VISION X ASIA CO., LTD.	BROWN & WATSON INTERNATIONAL LIMITED
2020/02418	GN CORPORATION CO LTD	JBM INCORPORATION
2006/04224	POINT OF PAY PTY LIMITED	VEROGUARD SYSTEMS PTY LIMITED.
2015/00015	NUSEED PTY LTD	NUSEED NUTRITIONAL AUSTRALIA PTY LTD
2017/00113	NUSEED PTY LTD	NUSEED NUTRITIONAL AUSTRALIA PTY LTD
2016/04180	NUSEED PTY LTD	NUSEED NUTRITIONAL AUSTRALIA PTY LTD
2014/03617	UNIVERSITE PARIS SUD XI	UNIVERSITE PARIS-SACLAY
2007/01180	UNIVERSITE PARIS SUD XI	UNIVERSITE PARIS-SACLAY
2006/08178	UNIVERSITE PARIS SUD XI	UNIVERSITE PARIS-SACLAY
2021/04656	CONCERT PHARMACEUTICALS, INC.	TERRAN BIOSCIENCES, INC.
2020/06920	ZEBRATUBE (PTY) LTD	PRIOR, VINCENT WARREN

Application Number	Assignor	Assignee
2012/06333	VOICEAGE CORPORATION	VOICEAGE EVS LLC

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2020/03388	PAKKASUKKO OY	ODDLYGOOD GLOBAL OY
2015/04869	ROLLS-ROYCE OY AB	KONGSBERG MARITIME FINLAND OY
2020/02285	DYWIDAG-SYSTEMS INTERNATIONAL PTY LIMITED	DSI UNDERGROUND AUSTRALIA PTY LIMITED
2007/01750	AUSTRALIAN MUD COMPANY LTD	AUSTRALIAN COMPANY PTY LTD
2014/04401	ALCOA WARRICK LLC	KAISER ALUMINUM WARRICK, LLC
2014/09224	SEATTLE GENETICS, INC.	SEAGEN INC.
2014/04401	ALCOA WARRICK LLC	KAISER ALUMINUM WARRICK, LLC
2005/01387	LONZA, LLC	ARXADA, LLC
2005/04876	LONZA, LLC	ARXADA, LLC
2005/07985	RAKUTEN, INC.	RAKUTEN GROUP, INC.
2010/06146	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2010/08795	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2011/08692	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2013/00612	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2013/02898	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2018/08387	TAMINCO BVBA	TAMINCO BV
2020/04322	mitsubishi power environmental solutions, LTD.	MITSUBISHI HEAVY INDUSTRIES POWER ENVIRONMENTAL SOLUTIONS, LTD.
2021/00673	MITSUBISHI POWER ENVIRONMENTAL SOLUTIONS, LTD.	MITSUBISHI HEAVY INDUSTRIES POWER ENVIRONMENTAL SOLUTIONS, LTD.
2017/02862	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2021/02053	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2017/07233	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2018/04982	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2018/05082	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2018/05083	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2017/07234	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.

Application Number	In the name of	New name
2016/00796	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2016/02666	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2016/04870	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2019//4454	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2021/00646	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2018/02346	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2019/04455	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2015/04358	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2014/05858	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2015/03551	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2015/03870	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2015/05676	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2015/06621	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2016/00796	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2017/03733	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2017/02862	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.
2017/02863	LANZATECH NEW ZEALAND LIMITED	LANZATECH NZ, INC.

PATENT LICENSES IN TERMS OF SECTION 53 (7)-REGULATIONS 62 AND 63

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	In the name of	New name
2020/06629	WITHDRAWN	26/10/2021
2020/08002	WITHDRAWN	10/12/2021
2020/08003	WITHDRAWN	10/12/2021

Application Number	In the name of	New name
2020/08004	WITHDRAWN	10/12/2021

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given **STITCH WISE (PTY) LTD OF DEON DE BEER & ASSOC, INC, WILLOW WOOD OFFICE POARK, CNR 3RD AVENUE & EDAR ROAD, BROADACRES. 2021** that made application for the Restoration of the Patent granted to said **STITCH WISE 9PTY) LTD** an invention **UNDERGROUNG MINE SUPPORT** numbered **2008/10771** dated **22/12/2020** which became void **22/12/2020** owing to the non-payment of the prescribed renewal fee.

Any person may give notice on Patent Form No. 19 of opposition to the restoration of the patent within two months of the advertisement hereof.

Registrar of Patents

THE PATENTS ACT, No. 57 OF 1978

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

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: NOVARTIS AG Lichtstrasse 35, CH-4056 Basel Switzerland. Request permission to amend the specification of letters: **05/1/2012** Patent Application No: **2013/04465** for **IMMUNOSUPPRESSANT FORMULATIONS**.

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: HONEYWELL INTERNATIONAL INC. 101 Columbia Road, P O Box 2245, Morristown, 07962, New Jersey United States of America. Request permission to amend the specification of letters: **24/5/2005** Patent Application No: **2005/04236** for **COMPOSITIONS CONTAINING FLOURINE SUBSTITUTED OLEFINS.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: HONEYWELL INTERNATIONAL INC. 101 Columbia Road, P O Box 2245, Morristown, 07962, New Jersey United States of America. Request permission to amend the specification of letters: **28/8/2006** Patent Application No: **2006/07176** for **COMPOSITIONS CONTAINING FLOURINE SUBSTITUTED OLEFINS.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: SANDVIK MINING AND CONSTRUCTION OY Pihtisulunkatu 9, FI-33330 Tampere Finland. Request permission to amend the specification of letters: **23/6/2011** Patent Application No: **2011/04649** for **METHOD FOR USING MINING VEHICLE, ARRANGEMENT IN MINE, ROCK DRILLING RIG, AND MINING VEHICLE.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: INDUSTRIAL GALVANIZERS CORPORATION PTY LTD Ingal Civil Products 57-65 Airs Road Minto, New South Wales 2566 Australia. Request permission to amend the specification of letters: **28/9/2011** Patent Application No: **2011/06919** for **IMPROVED ROAD BARRIER.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: SOCIETE DES PRODUITS NESTLE S.A. Entre-deux-Villes, 1800 Vevey, Switzerland. Request permission to amend the specification of letters: **26/3/2013** Patent Application No: **2013/02271** for **CONTROLLED MOTORIZED BREWING UNIT.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: GEOBRUGG AG Aachstrasse 11 8590, Romanshorn Switzerland. Request permission to amend the specification of letters: **25/3/2019** Patent Application No: **2019/01833** for **WIRE MESH AND METHOD FOR PRODUCING A COIL FOR A WIRE MESH.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: MUTABILIS 102 Avenue Gaston Roussel 93230 Romainville France. Request permission to amend the specification of letters: **29/3/2019** Patent Application No: **2019/01963** for **HETEROCYCLIC COMPOUNDS AND THEIR USE IN PREVENTING OR TREATING BACTERIAL INFECTIONS.**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: FRAMATOME 1 place Jean Millier, Tour Areva 92400 Courbevoie France. Request permission to amend the specification of letters: **02/10/2018** Patent Application No: **2018/06534** for **METHOD FOR DETECTING A DEFECT ON A SURFACE BY MULTIDIRECTIONAL LIGHTING AND ASSOCIATED DEVICE.**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: 1). FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON 2) INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS of 1).NATZARET 115 E-08025, BARCELONA, SPAIN 2) PASSEIG LLUÍS COMPANYS 23, E-08010, BARCELONA, SPAIN. Request permission to amend the specification of letters patent No: **2019/00960** of **14 FEBRUARY 2019** for **METHODS AND COMPOSITIONS FOR THE TREATMENT OF CANCER**

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 closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: REGENERON PHARMACEUTICALS, INC. of 777 OLD SAW MILL RIVER ROAD, TARRYTOWN, NEW YORK, 10591, UNITED STATES OF AMERICA. Request permission to amend the specification of letters patent No: **2017/06040** of **5 SEPTEMBER 2017** for **MAYTANSINOID DERIVATIVES, CONJUGATES THEREOF, AND METHODS OF USE**

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 closed at the Patent Office within 2 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**

(Payment to be affected by means of revenue stamps only.)

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.

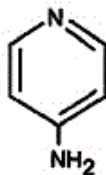
The numerical references denote the following: **(21)** Number of application. **(22)** Date of application. **(DA)** Date of acceptance. **(51)** Class. **(71)** Name of applicant(s). **(72)** Name of all inventors. **(33)** Country. **(31)** Number and **(32)** Date of convention application. **(54)**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

21: 2014/05887. 22: 2014/08/12. 43: 2021/11/09
 51: A61K; A61P
 71: ACORDA THERAPEUTICS, INC.
 72: PARDO, GABRIEL, SUAREZ ZAMBRANO,
 GUSTAVO ADOLFO, FJELDSTAD, CECILIE
 33: US 31: 61/677,466 32: 2012-07-30
 33: US 31: 61/598,332 32: 2012-02-13
**54: METHODS FOR TREATING AN IMPAIRMENT
 IN GAIT AND/OR BALANCE IN PATIENTS WITH
 MULTIPLE SCLEROSIS USING AN
 AMINOPYRIDINE**

00: -

Disclosed herein is use of one or more
 aminopyridines in methods and compositions for
 treatment of impairments in gait or balance in
 patients with multiple sclerosis.

Chemical name: 4-aminopyridine
USAN: dalfampridine
CAS registry number: 504-24-5
Chemical Structure:



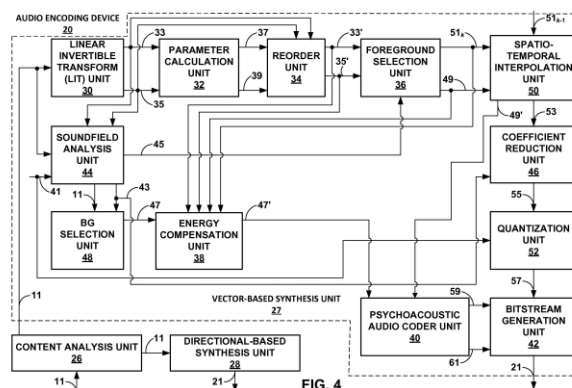
Molecular Formula: C₅H₅N₂
Relative molecular mass: 94.1
Appearance: White solid
Solubility: aqueous solubility ≥ 50mg/mL
Melting point: 157 to 162 °C

Fig. 1

21: 2015/09227. 22: 2015/12/18. 43: 2021/11/09
 51: G10L; H04R
 71: QUALCOMM Incorporated
 72: SEN, Dipanjan, RYU, Sang-Uk
 33: US 31: 61/828,445 32: 2013-05-29
 33: US 31: 61/828,615 32: 2013-05-29
**54: COMPRESSION OF DECOMPOSED
 REPRESENTATIONS OF A SOUND FIELD**
 00: -

In general, techniques are described for
 compressing decomposed representations of a
 sound field. A device comprising one or more

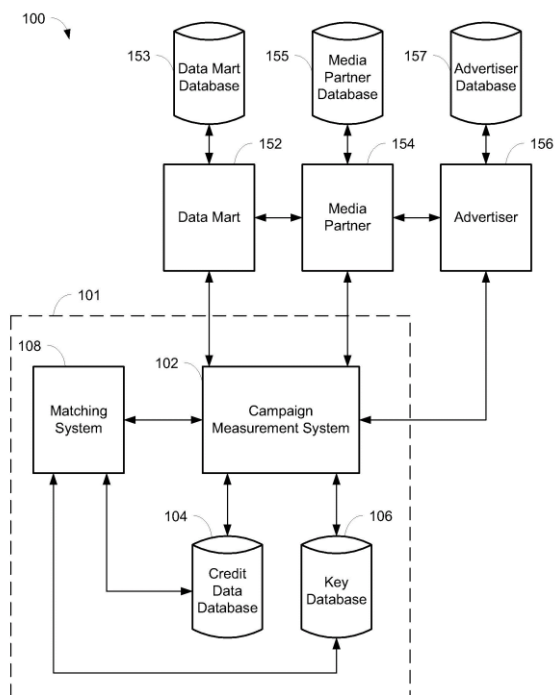
processors may be configured to perform the
 techniques. The one or more processors may be
 configured to obtain a bitstream comprising a
 compressed version of a spatial component of a
 sound field, the spatial component generated by
 performing a vector based synthesis with respect to
 a plurality of spherical harmonic coefficients.



21: 2016/03044. 22: 2016/05/06. 43: 2021/10/26
 51: G06Q
 71: Trans Union LLC
 72: CHAOUKI, Steven M., MITCHELL, Tammy P.,
 BURNS, Clifton H.
 33: US 31: 61/897,652 32: 2013-10-30
**54: SYSTEMS AND METHODS FOR MEASURING
 EFFECTIVENESS OF MARKETING AND
 ADVERTISING CAMPAIGNS**
 00: -

Systems and methods are disclosed for measuring
 the effectiveness of a marketing and advertising
 campaign directed at consumers. The systems and
 methods receive data corresponding to consumers
 that were served impressions in the campaign, and
 match the data to identifiers for credit records of the
 consumers. Credit record activity information in the
 credit records related to products and services of the
 campaign can be retrieved and potentially
 depersonalized. The credit record activity
 information can be the basis of a campaign report for
 adjusting and optimizing the campaign, in the case
 of an in-flight campaign report, or future campaigns,
 in the case of a post-campaign report. More
 accurate measurement of the effectiveness of the

campaign can be obtained due to linking of a consumer's activity with the campaign.



21: 2016/05469. 22: 2016/08/05. 43: 2021/12/09
51: G06F

71: INTERNATIONAL BUSINESS MACHINES CORPORATION

72: GSCHWIND, Michael Karl, GAINEY, Charles (deceased)

33: US 31: 14/217,824 32: 2014-03-18

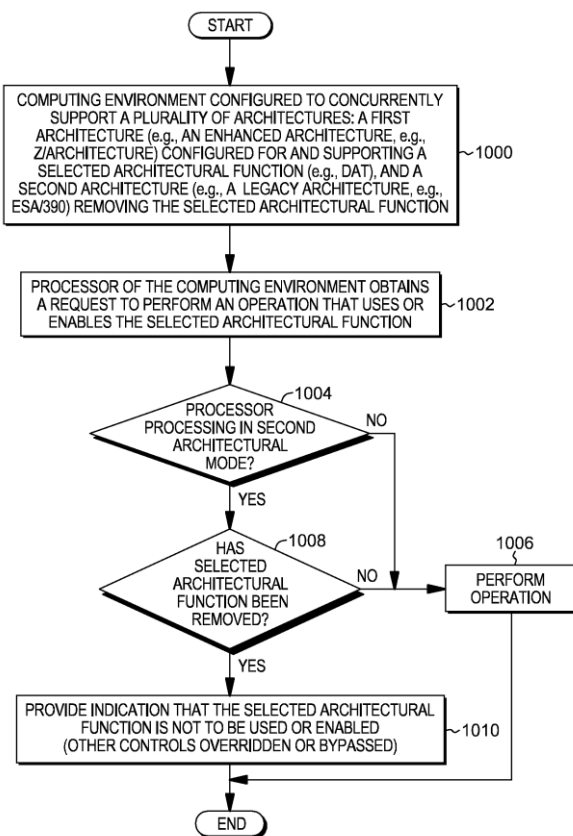
33: US 31: 14/554,675 32: 2014-11-26

54: MANAGING PROCESSING ASSOCIATED WITH SELECTED ARCHITECTURAL FACILITIES

00: -

A facility is provided that, when installed, removes from an architecture a selected architectural function, such that the function is not able to be turned on/off regardless of other controls within the environment. When the facility is installed, the architectural function is not supported when processing in an architectural mode based on the architecture. It is as if the selected architectural function is no longer available in the architecture, and in fact, the code implementing the facility may have been deleted, bypassed, or otherwise eliminated. One such architectural function is virtual address translation, such as dynamic address

translation (DAT), and the architecture is, for instance, ESA/390.



21: 2017/00301. 22: 2017/01/13. 43: 2021/11/23
51: A61K

71: SOLURAL PHARMA APS

72: HØJGAARD, Bent

33: EP 31: 14173067.1 32: 2014-06-19

54: SOLID ORAL DOSAGE FORM OF LIPOPHILIC COMPOUNDS

00: -

The present invention relates to a pharmaceutical composition comprising compound having a log P of at least 5 and a vehicle, wherein the vehicle comprises (a) a fat component in an amount sufficient to achieve lymphatic absorption in a mammal, wherein the fat component is selected from a mono-glyceride of long chain fatty acids, a tri-glyceride of long chain fatty acids, and a mono- and tri-glyceride of long chain fatty acids.

21: 2017/01793. 22: 2017/03/13. 43: 2021/11/17
51: C22B

71: COMPANHIA BRASILEIRA DE METALURGIA E MINERAÇÃO

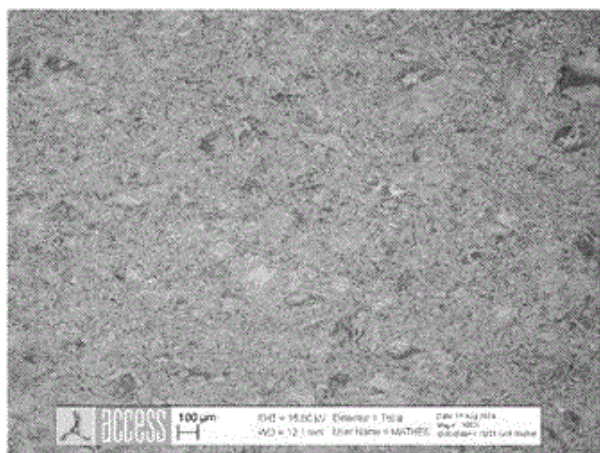
72: SERNIK, KLEBER A

33: US 31: 14/533,843 32: 2014-11-05

54: PROCESSES FOR PRODUCING LOW NITROGEN, ESSENTIALLY NITRIDE-FREE CHROMIUM AND CHROMIUM PLUS NIOBIUM-CONTAINING NICKEL-BASED ALLOYS AND THE RESULTING CHROMIUM AND NICKEL-BASED ALLOYS

00: -

Processes for producing low nitrogen, essentially nitride-free chromium or chromium plus niobium-containing nickel-based alloys include charging elements or compounds which do not dissolve appreciable amounts of nitrogen in the molten state to a refractory crucible within a vacuum induction furnace, melting said elements or compounds therein under reduced pressure, and effecting heterogeneous carbon-based bubble nucleation in a controlled manner. The processes also include, upon cessation of bubble formation, adding low nitrogen chromium or a low nitrogen chromium-containing master alloy with a nitrogen content of below 10 ppm to the melt, melting and distributing said added chromium or chromium-containing master alloy throughout the melt, bringing the resulting combined melt to a temperature and surrounding pressure to permit tapping, and tapping the resulting melt, directly or indirectly, to a metallic mold and allowing the melt to solidify and cool under reduced pressure.



21: 2017/04426. 22: 2017/06/29. 43: 2021/11/05

51: A61K

71: LANTHEUS MEDICAL IMAGING, INC.

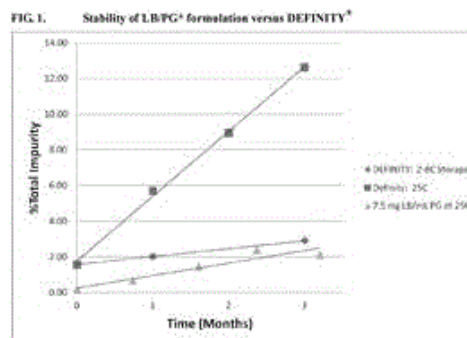
72: ROBINSON, SIMON P, SIEGLER, ROBERT W, ONTHANK, DAVID C, NGUYEN, NHUNG TUYET

33: US 31: 62/098,453 32: 2014-12-31

54: LIPID-ENCAPSULATED GAS MICROSPHERE COMPOSITIONS AND RELATED METHODS

00: -

The invention provides, inter alia, improved lipid formulations used to generate lipid-encapsulated gas microspheres, and methods of their use.



*177 mg of PG containing LB (0.72 wt% LB, ratio of 1:138 for L.B.PG).

21: 2017/06197. 22: 2017/09/12. 43: 2021/11/19

51: C07D; A01N

71: FMC CORPORATION

72: DEPREZ, NICHOLAS RYAN, SHARPE, PAULA LOUISE, REDDY, RAVISEKHARA

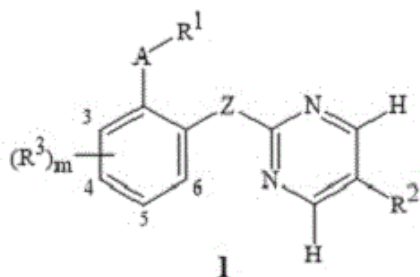
POCHIMIREDDY, DEBERGH, JOHN ROBBINS

33: US 31: 62/171,294 32: 2015-06-05

54: 2-(PHENYLOXY OR PHENYLTHIO)PYRIMIDINE DERIVATIVES AS HERBICIDES

00: -

Disclosed are compounds of Formula (1), including all stereoisomers, *N*-oxides, and salts thereof, wherein A, Z, R¹, R², R³ and m are as defined in the disclosure. Also disclosed are compositions containing the compounds of Formula (1) and methods for controlling undesired vegetation comprising contacting the undesired vegetation or its environment with an effective amount of a compound or a composition of the invention.



21: 2018/01330. 22: 2018/02/27. 43: 2021/11/19

51: H01B

71: GALLAGHER GROUP LIMITED

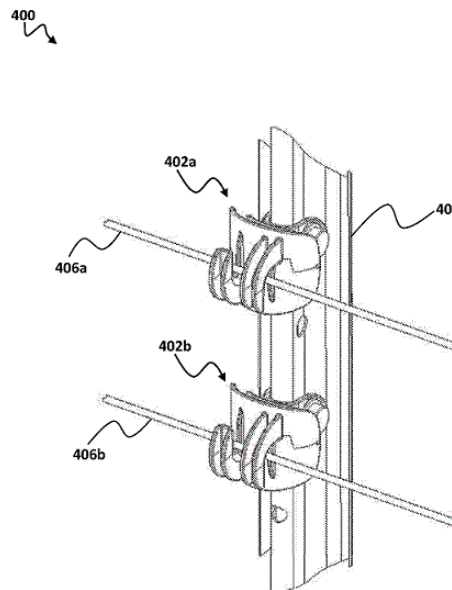
72: MALINS, Craig David

33: NZ 31: 710566 32: 2015-07-30

54: AN ELECTRIC FENCE INSULATOR

00: -

An insulator for an electric fence having at least one wire is described. The insulator includes a body having a first end and a second end, a post connector portion at the first end of the body for connecting the insulator to a fence post, a wire attachment portion at the second end of the body, and at least one shield surrounding and extending outwardly from the body at a position away from the connector portion towards the second end, the shield including lateral portions on either side of the body. The lateral portions of the shield angle away from the second end of the body towards the first end of the body, such that when installed a straight section of the wire cannot bear against respective edges of both lateral portions simultaneously, and pass along their entire lengths, without contacting the fence post.



21: 2018/02029. 22: 2018/03/27. 43: 2021/11/05

51: A61K; A61P; C07D

71: MITOBRIDGE, INC., THE SALK INSTITUTE FOR BIOLOGICAL STUDIES

72: DOWNES, MICHAEL, EVANS, RONALD M, KLUGE, ARTHUR, LAGU, BHARAT, MIURA, MASANORI, PANIGRAHI, SUNIL KUMAR, PATANE, MICHAEL, SAMAJDAR, SUSANTA, SENAIAR, RAMESH, TAKAHASHI, TAISUKE

33: US 31: 62/243,263 32: 2015-10-19

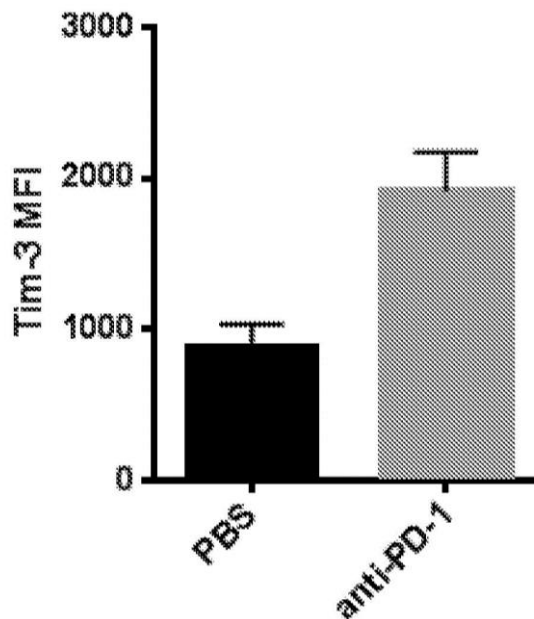
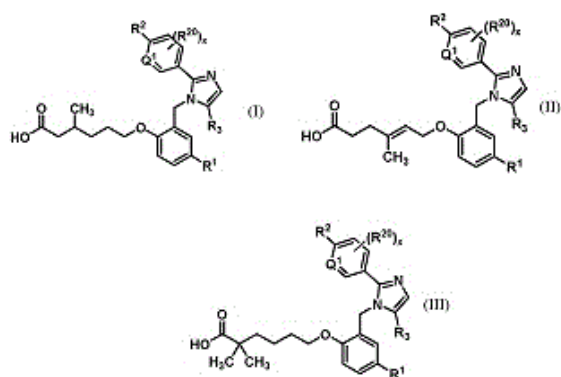
33: US 31: 62/352,348 32: 2016-06-20

33: US 31: 62/238,629 32: 2015-10-07

54: PPAR AGONISTS, COMPOUNDS, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE THEREOF

00: -

Provided herein are compounds I, II or III and compositions useful in increasing PPAR8 activity. The compounds and compositions provided herein are useful for the treatment of PPAR8 related diseases (e.g., muscular diseases, vascular disease, demyelinating disease, and metabolic diseases).



21: 2018/03039. 22: 2018/05/09. 43: 2021/10/26
 51: A61K; C07K
 71: Universidad Complutense De Madrid
 72: REGIDOR CERRILLO, Javier, ARRANZ SOLÍS, David, COLLANTES FERNÁNDEZ, Esther, ÁLVAREZ GARCÍA, Gema, ORTEGA MORA, Luis Miguel
 33: EP(ES) 31: 15382532.8 32: 2015-10-28
54: NEOSPOR VACCINE COMPOSITION
 00: -

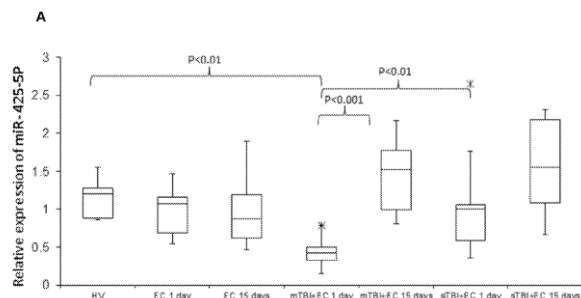
The present invention relates to new protein compositions, methods for producing said protein compositions, pharmaceutical compositions comprising said protein compositions and methods for treating infections caused by *Neospora caninum*. In particular, the present invention relates to a protein composition comprising the proteins specified in Table A in an amount of at least about 2 times (fold change) higher than the same protein present in the whole tachyzoite, as calculated by quantitative label-free liquid chromatography-tandem mass spectrometry (LC-MS/MS).

21: 2018/03669. 22: 2018/06/01. 43: 2021/11/09
 51: A61K
 71: Janssen Biotech, Inc.
 72: VERONA, Raluca, POWERS, Gordon, SABINS, Nina Chi, DEANGELIS, Nikki A., SANTULLI-MAROTTO, Sandra, WIEHAGEN, Karla R., WU, Sheng-Jiun, FERRANTE, Catherine, UBANI, Enrique Zudaire
 33: US 31: 62/250,095 32: 2015-11-03
54: ANTIBODIES SPECIFICALLY BINDING PD-1 AND THEIR USES
 00: -

The present invention relates to antibodies specifically binding PD-1, polynucleotides encoding the antibodies or fragments, and methods of making and using the foregoing.

21: 2018/05982. 22: 2018/09/06. 43: 2021/11/29
 51: C12Q
 71: THE UNIVERSITY OF BIRMINGHAM
 72: BELL, Antonio, DI PIETRO, Valentina
 33: GB 31: 1603967.9 32: 2016-03-08
54: BIOMARKERS OF TRAUMATIC BRAIN INJURY
 00: -

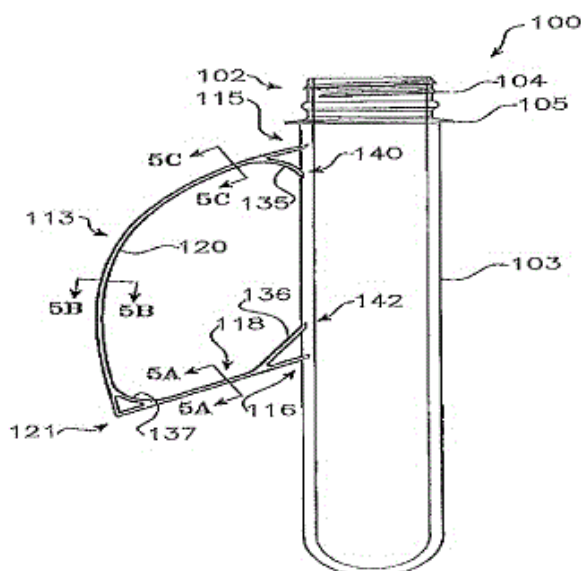
Provided is a method of diagnosing and/or monitoring traumatic brain injury (TBI) in a subject. The method comprises determining a level of at least one miRNA in a fluid sample from the subject. The miRNA may be selected from miR-425-5p, miR-502, miR-21 and miR-335. The method may involve determining whether a subject is suffering from mild-TBI or moderate-to-severe TBI. Also provided is a sensor element, a detection system, composition and a kit for diagnosing and/or monitoring TBI, and a method of determining an appropriate treatment for a subject with a suspected TBI.



21: 2018/06719. 22: 2018/10/09. 43: 2021/11/09
 51: B65D; B29B
 71: INTEGRATED PLASTICS PTY LIMITED
 72: MELLEN, NICK
 33: AU 31: 2016901243 32: 2016-04-04
54: ERGONOMIC INTEGRAL HANDLE ASSEMBLY

00: -

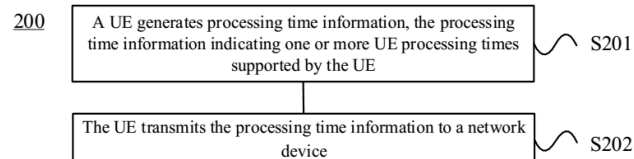
A method of controlling a preform for stretch blow-moulding a container with an integrally formed handle; the preform comprising a body portion and the integrally formed handle; the preform transferred from a preform supply source to a blow moulding die for blowing the container; the method including the steps of - passing the preform through a preform handle orientating apparatus, - transferring the preform to a preform transportation system, - maintaining orientation of the preform handle imposed by the preform handle orientating apparatus during transfer to the preform transportation system and transfer to the blow moulding die, - rotating the preforms during transport along the transportation system past an array of preform heating elements while shielding the integrally formed handle from excessive exposure to the heating elements, - transferring the preform from the transportation system to the blow moulding die, and wherein the handle comprises a loop of orientable material extending between an upper connection region and a lower connection region on the body portion of the preform; characterised in that the handle has a generally uniform cross section from proximate the lower connection region to a gradually widening cross section approaching the upper connection region; the cross section reaching and maintaining a maximum width proximate the upper connection region.



21: 2019/00215. 22: 2019/01/11. 43: 2021/12/06
 51: H04L
 71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.
 72: TANG, Hai
 33: WO 31: PCT/CN2016/090024 32: 2016-07-14
54: COMMUNICATION METHOD, NETWORK DEVICE AND USER EQUIPMENT

00: -

Provided are a communication method, a network device and a User Equipment (UE), which can improve communication performance. The method includes that: a UE generates processing time information, the processing time information indicating a UE processing time supported by the UE; and the UE transmits the processing time information to a network device.

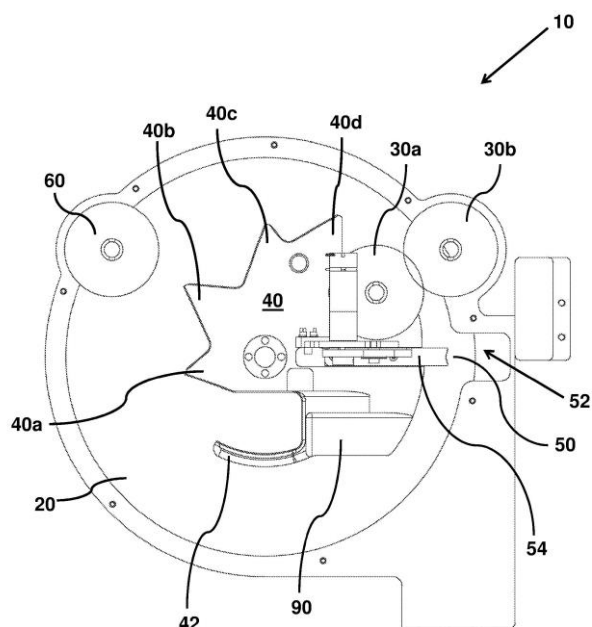


21: 2019/00339. 22: 2019/01/17. 43: 2021/11/19
 51: B07C; B65G
 71: De Beers UK Limited
 72: BOWE, John, PORTSMOUTH, Andrew
 33: GB 31: 1611653.5 32: 2016-07-04
54: GEMSTONE SEPARATION

00: -

An apparatus for separating gemstones comprises a transportation device for transporting a plurality of

gemstones to a measurement location, a separation device for separating the gemstones from one another as they are transported to the measurement location and a deceleration and release device which is configured to decelerate each gemstone and then release it, so as to increase the separation between the gemstones.



21: 2019/00451. 22: 2019/01/22. 43: 2021/12/15

51: A21D

71: PURATOS NV

72: DEVELTER, Bram, DAUVIRIN, Thierry

33: BE 31: 2016/5578 32: 2016-07-11

54: IMPROVED BAKERY COMPOSITION

00: -

It has been found that the particular combination of a thermophilic serine protease and monoglycerides, are able to improve the short bite in bakery products. Provided herein are compositions comprising this particular combination of ingredients, the use of this particular combination of ingredients and methods for preparing bakery products using the combination of a thermophilic serine protease and monoglycerides.

21: 2019/00892. 22: 2019/02/12. 43: 2021/11/19

51: C01D

71: OCP SA

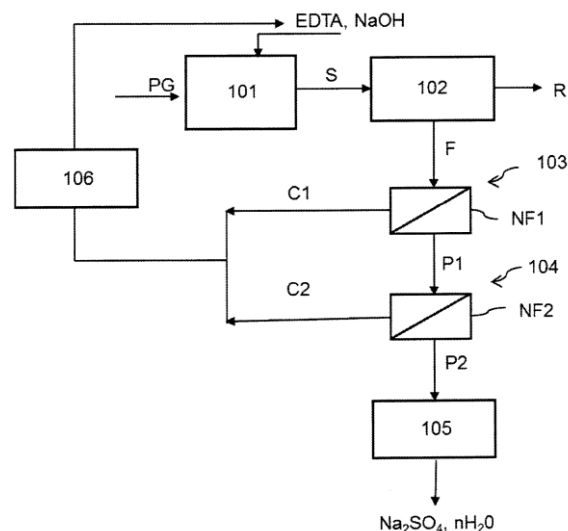
72: KHALESS, Khaoula, DHIBA, DRISS

33: FR 31: 1657235 32: 2016-07-27

54: PROCESS FOR PRODUCING SODIUM SULPHATE FROM PHOSPHOGYPSUM

00: -

The present invention relates to a process for producing sodium sulphate from phosphogypsum, comprising: - a step (101) of lixiviation of phosphogypsum by means of a basic solution so as to obtain a sodium sulphate solution (S) containing metal impurities, said basic solution comprising a chelating agent suitable for forming complexes with at least one part of said metal impurities, - at least one first step (103, 104) of filtration of the sodium sulphate solution by a nanofiltration membrane (NF1, NF2), so as to form a concentrate (C1, C2) containing said complexes and a permeate (P1, P2), - a step (105) of evaporation of the permeate (P1, P2) so as to form anhydrous sodium sulphate.



21: 2019/00925. 22: 2019/02/13. 43: 2021/11/18

51: F25D; G02F

71: SolCold

72: SHENHAV, Yaron, GROTTAS, Gadi

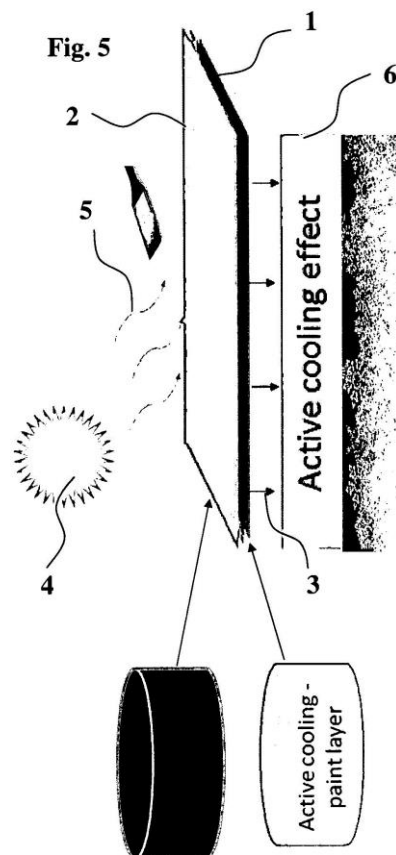
33: US 31: 62/368,177 32: 2016-07-29

54: COOLING WITH ANTI-STOKES FLUORESCENCE

00: -

A double or multi-layer apparatus or device for optical anti-Stokes cooling of object surfaces. The apparatus comprises at least one bottom layer, which is configured to respond in anti-Stokes fluorescence upon absorption of electromagnetic radiation and at least one top layer, which is overlaid on the bottom layer and configured to filter the electromagnetic radiation and transmit selected

spectral band of the electromagnetic radiation to the bottom layer. The active cooling does not depend on the coherent nature of the radiation, which enables the usage of incoherent solar radiation as the active cooling input power source. The cooling technology of the invention is suitable for small and large scales and practically for any object with surface on which the layer substance can be applied or overlaid, e.g., roof, wall, car, ship, tent, clothing, etc.



21: 2019/01336. 22: 2019/03/04. 43: 2021/11/09

51: A01N; C12N

71: Bluebird Bio, Inc.

72: FRIEDMAN, Kevin

33: US 31: 62/008,957 32: 2014-06-06

54: IMPROVED T CELL COMPOSITIONS

00: -

The invention provides improved T cell compositions and methods for manufacturing T cells. More particularly, the invention provides methods of T cell manufacturing that result in adoptive T cell immunotherapies with improved survival, expansion,

and persistence in vivo.

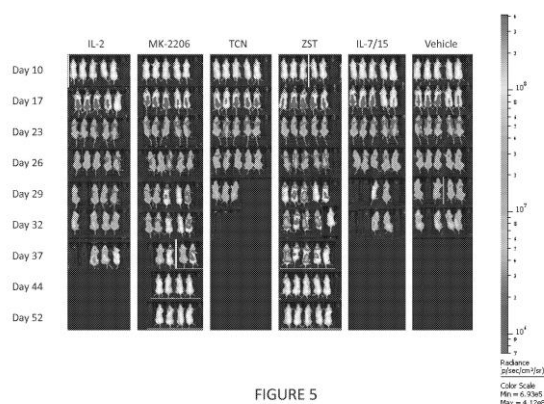


FIGURE 5

21: 2019/01531. 22: 2019/03/12. 43: 2021/11/09

51: A61K; C07K; A61P

71: TEVA PHARMACEUTICALS INTERNATIONAL GmbH

72: BIGAL, Marcelo, AYCARDI, Ernesto

33: US 31: 62/399,180 32: 2016-09-23

33: US 31: 62/558,557 32: 2017-09-14

54: TREATING REFRACTORY MIGRAINE

00: -

Disclosed herein are methods of treating or reducing incidence of migraine and/or at least one secondary symptom associated with refractory migraine in a subject having refractory migraine comprising administering to the subject a 5 monoclonal antibody that modulates the CGRP pathway. Compositions for use in the disclosed methods are also provided. Antagonist antibody G1 and antibodies derived from G1 directed to CGRP are also described.

Fab	K _D (nM)	K _D (nM)	K _D (nM)	K _D (mutant/parent)									
				F27A	V28A	P29A	T30A	N31A	V32A	G33A	S34A	K35A	F37A
7E9	1.0	1.1±0.8	0.14±0.05	1.0	1.0	26	7	9	41	1256	69	4	3598
8B6	1.1	1.5±1.2	0.45±0.03	1.0	1.0	9	2.2	3	5	496	26	3	2527
10A8	2.1	2.4±1.4	1.0±0.2	1.0	1.0	9	4	4	11	36	82	1.1	2152
7D11	4.4	10±7	3.4±0.4	1.1	1.0	7	4	5	5	86	18	1.4	426
6H2	9.3	7.8±0.2	8.5±0.5	0.9	1.0	1.0	0.8	4	11	14	0.5	1.0	
4901	60.5	52±12	296±115	0.8	0.8	0.2	0.2	0.3	0.9	1.3	0.8	0.3	
14E10	79.7	91±3	117.4±0.7	0.8	0.8	11	3	18	2	1	3	0.4 ^a	
9B8	84.7	76±20	96±28	0.8	0.8	0.6	0.6	0.7	0.6	1.3	4	0.4 ^a	
13C2	94.4	86±13	137±5	0.7	0.7	0.5	0.4	0.6	0.2	0.9	1.1	0.4 ^a	
14A9	148.4	219±114	246±20	0.8	0.7	0.7	0.5	0.8	0.7	1.6	1.3	6	
6DS	209.9	207±26	378±22	0.8	0.7	0.5	0.4	0.6	0.5	1	1.1	5	
1CS	296.4	223±51	430±173	0.8	0.8	0.6	0.4	0.6	0.6	1.1	1.1	5	

21: 2019/01586. 22: 2019/03/14. 43: 2021/12/03

51: E01F; E04H; G08G

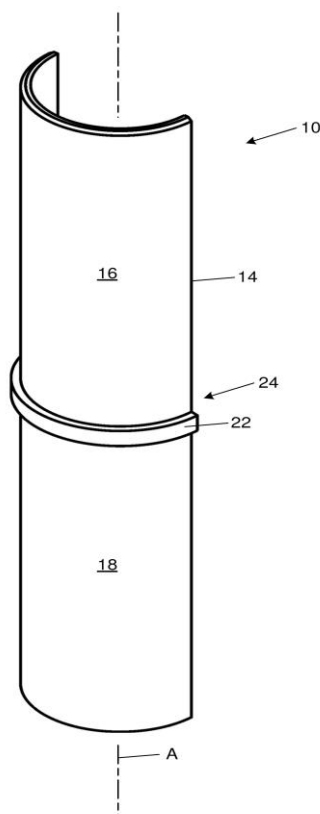
71: VAN AARDE, Pieter Abraham, DAVIDS, Sharizaan

72: VAN AARDE, Pieter Abraham, DAVIDS, Sharizaan

54: POST SUPPORT

00: -

There is provided a frangible post support for a roadside structure such as a traffic post, pole or upright. The post support may be generally cylindrical or a semi-cylinder. Alternatively, the post support may include a plurality of segments which are placed adjacent to one another for collectively forming the post support. The post support may be used to keep the traffic post upright and it may be used with a traffic post that includes a lower or bottom part underground, and a top or upper part above ground. The post support may include a weakened region or portion, so that when a vehicle collides with the traffic post, the post support can sever or break, allowing the top part of the post to be moved away from the bottom part, thereby limiting damage to the post and vehicle including its passengers and driver.



21: 2019/03627. 22: 2019/06/06. 43: 2021/12/02
51: A01N; A47L; A61L; B08B; C12N
71: LIVING TECHNOLOGIES, COÖPERATIEVE
VENNOOTSCHAP MET BEPERKTE
AANSPRAKELIJKHEID

72: WILLOCX, Filip Willem Maria, DE KOSTER, Koen

33: BE 31: 2017/5044 32: 2017-01-25

54: METHOD FOR CLEANING SURFACES IN INTERIOR SPACES AND IN TECHNICAL EQUIPMENTS WITH BENIGN BACTERIA

00: -

Method that allows surfaces in interior spaces or technical equipments to be cleaned, characterised in that it comprises at least the following step: - the targeted atomization on the surfaces of a liquid with spores of benign bacteria on all or certain types of surfaces by means of an electrically and/or pneumatically powered atomizer, while the space remains accessible to people and animals, with the purpose of speeding up the cleaning of interior spaces and of technical equipments, lowering the cleaning frequency, and lowering the dust deposit.

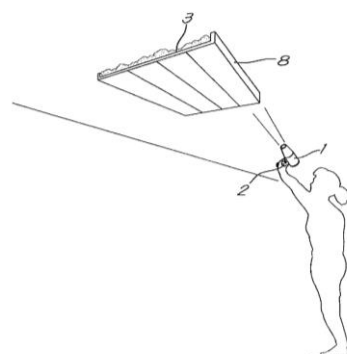


Fig. 4

21: 2019/03675. 22: 2019/06/07. 43: 2021/12/02
51: A61C

71: OH, Bong kyun

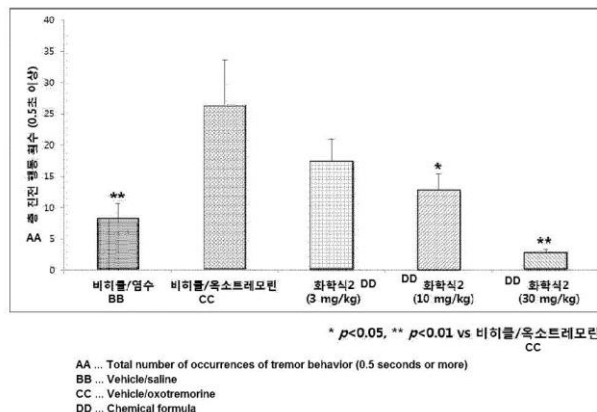
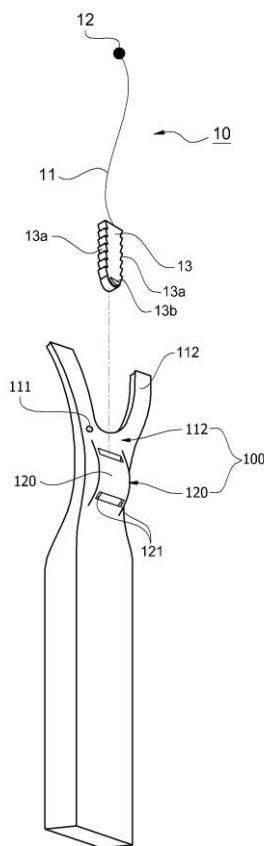
72: OH, Bong kyun

33: KR 31: 10-2016-0170184 32: 2016-12-14

54: DENTAL FLOSS MEMBER AND DENTAL FLOSS HOLDER

00: -

A dental floss member and a dental floss holder are disclosed. The dental floss member includes a linear type dental floss having a predetermined length, a first fixer disposed at one end of the dental floss, and a second fixer disposed at the other end of the dental floss. The dental floss holder includes a body having a first corresponding fixer to which the first fixer is fixed and a mounting part on which a section for use of the dental floss is mounted, and a second corresponding fixer disposed at the body and to which the second fixer is fixed.



21: 2019/03749. 22: 2019/06/11. 43: 2021/11/09
 51: A61K
 71: SK BIOPHARMACEUTICALS CO., LTD.
 72: YOO, Jin, Uk, LEE, Hye, Sung, YI, Han Ju
 33: KR 31: 10-2016-0170225 32: 2016-12-14
54: USE OF CARBAMATE COMPOUND FOR PREVENTING, ALLEVIATING, OR TREATING TREMORS OR TREMOR SYNDROME

00: -

The present invention relates to a use of a pharmaceutical composition which includes a carbamate compound of chemical formula 1 and is administrated to prevent, alleviate, or treat tremors or tremor syndrome.

21: 2019/03800. 22: 2019/06/12. 43: 2021/12/15
 51: G06Q

71: Colectiv (Pty) Ltd

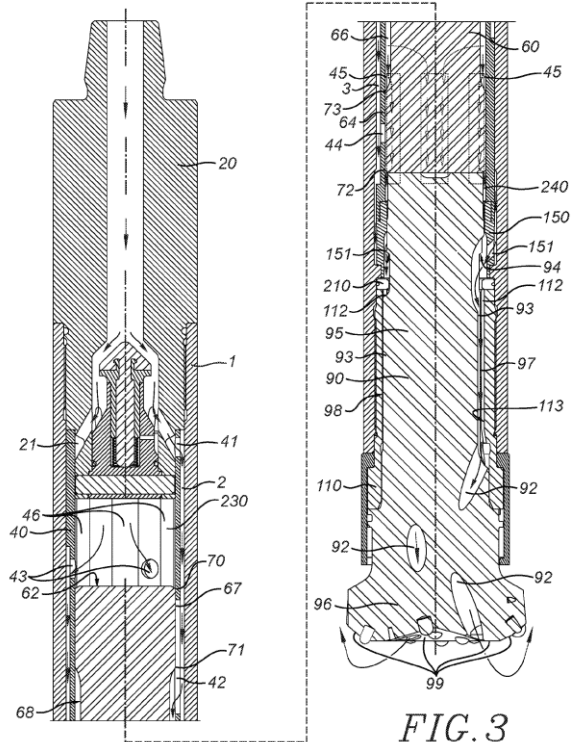
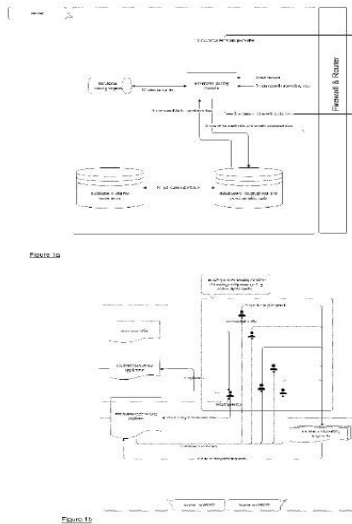
72: Michal Tomasz NEJTHARDT

33: ZA 31: 2017/01471 32: 2017-02-27

54: INSURANCE ARRANGEMENT

00: -

The invention discloses an insurance arrangement, which includes an algorithm and electronic processing means associated with a computing device adapted to generate, update, delete and store social, business and/or other connection details between entities in a network; to determine which entity in the network is requiring insurance; to separate underwriting questionnaires into fragments; to transmit these fragments to various entities that are connected in some way to the insuring entity for completion; to receive answers to the questionnaire fragments; to aggregate the fragments and determine the risk associated with insuring the risk; and to store results of the determinations. The arrangement is adapted to correlate the established psychometric result of the insuring entity to past psychometric results and associated underwriting experience, thereby influencing the rate for the insuring entity and is adapted to be used for underwriting, pricing and managing insurance, insurance plans and/or insurance products.



21: 2019/03817. 22: 2019/06/12. 43: 2021/12/15
 51: E21B
 71: AROS, Jaime Andres
 72: AROS, Jaime Andres
 33: US 31: 15/375,286 32: 2016-12-12
54: PRESSURIZED FLUID FLOW SYSTEM FOR A DTH HAMMER AND NORMAL CIRCULATION HAMMER BASED ON SAME

00: -

A pressurized fluid flow system for a normal circulation down-the-hole hammer comprises a cylinder coaxially disposed in between an outer casing and a piston which reciprocates due to changes in pressure of pressurized fluid contained inside a front chamber and rear chamber located at opposites sides of the piston, the supply/discharge of fluid to/from these chambers being conducted through sets of supply and discharge channels defined by recesses on the outer surface of the cylinder and arranged in a parallel, the fluid flowing in and out of the front and rear chambers being controlled solely by the relative overlap of the piston and the cylinder and channeling of the flow of fluid below the inner surface of the cylinder and above the outer surface of the piston. A hammer provided with this system comprises a drill bit with one or more flushing passages.

21: 2019/03929. 22: 2019/06/18. 43: 2021/12/13
 51: H04W

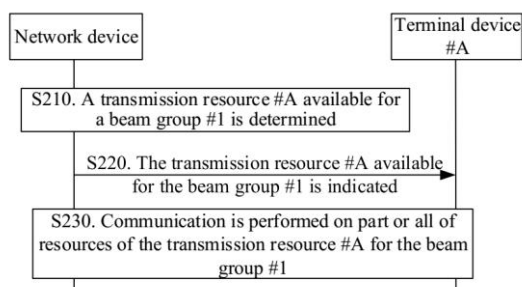
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

72: TANG, Hai, XU, Hua

54: METHOD AND APPARATUS FOR WIRELESS COMMUNICATION

00: -

Embodiments of the present invention provide a method and apparatus for wireless communication, for use in a communication system at least using two beams. The method comprises: a network device determines transmission resources that can be used by M beam groups, wherein each beam group comprises at least one beam in the at least two beams, $M = 1$; the network device sends configuration information to a first terminal device, the configuration information being used for indicating the transmission source used by each beam group, so that the practicability and user experience of a multi-beam system can be improved.



21: 2019/04087. 22: 2019/06/24. 43: 2021/11/09

51: A61K

71: Ferring B.V.

72: SONAVANE, Ganeshchandra, PLAKSIN, Daniel, AHUJA, Varinder, LOKHANDE, Parag, JAIN, Devendra Kantilal

33: IN 31: 201711001145 32: 2017-01-11

54: A FAST DISINTEGRATING PHARMACEUTICAL COMPOSITION

00: -

The subject invention is directed to a pharmaceutical composition comprising an open matrix network incorporating one or more pharmaceutically active ingredients, wherein the open matrix network comprises maltodextrin and hyaluronic acid or a pharmaceutically acceptable salt thereof.

21: 2019/04092. 22: 2019/06/24. 43: 2021/11/09

51: A61K; A61P

71: Sarepta Therapeutics, Inc.

72: PASSINI, Marco A., HANSON, Gunnar J.

33: US 31: 62/436,182 32: 2016-12-19

54: EXON SKIPPING OLIGOMER CONJUGATES FOR MUSCULAR DYSTROPHY

00: -

Antisense oligomer conjugates complementary to a selected target site in the human dystrophin gene to induce exon 51 skipping are described.

21: 2019/04171. 22: 2019/06/26. 43: 2021/11/09

51: A61K; A61P; C07D

71: Eli Lilly and Company

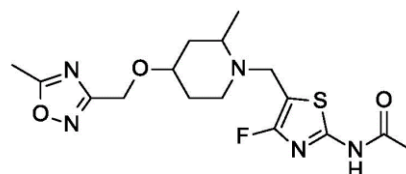
72: DREYFUS, Nicolas Jacques Francois, LINDSAY-SCOTT, Peter James

33: US 31: 62/451,137 32: 2017-01-27

54: N-[4-FLUORO-5-[(2S,4S)-2-METHYL-4-[(5-METHYL-1,2,4-OXADIAZOL-3-YL)METHOXY]-1-PIPERIDYL]METHYL]THIAZOL-2-YL]ACETAMIDE AS OGA INHIBITOR

00: -

The present invention provides a compound of Formula (I): or a pharmaceutically acceptable salt thereof, and the use of compounds of Formula (I) for treatment of neurodegenerative diseases and disorders, such as Alzheimer's disease.



Formula I

21: 2019/04179. 22: 2019/06/26. 43: 2021/12/15

51: B60T

71: New York Air Brake, LLC

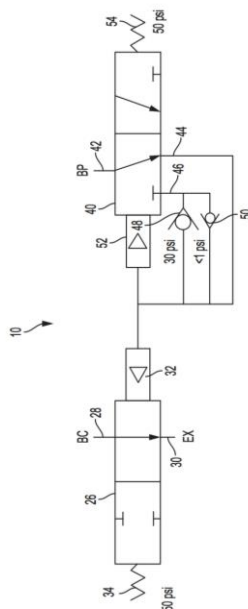
72: WRIGHT, Eric C, CONNELL, Jason

33: US 31: 15/413,535 32: 2017-01-24

54: PNEUMATICALLY PILOTED RETAINER VALVE FOR RAIL CARS

00: -

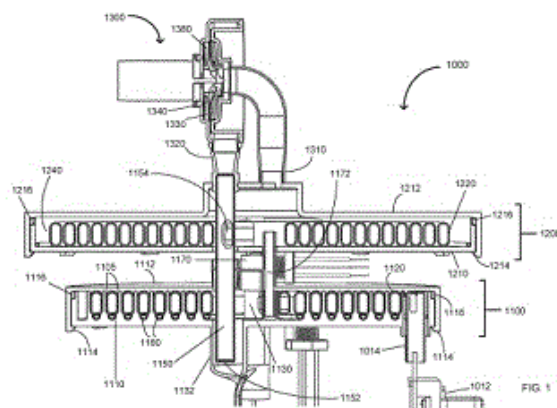
A pneumatically piloted retainer valve (10) for bottling brake cylinder pressure that can be set and released in response to changes in the brake pipe pressure. Pneumatically piloted retainer valve (26) provides a brake cylinder (BC) pressure retaining function that bottles applied brake cylinder pressure in the brake cylinder when brake pipe pressure is less than a predetermined cut-in pressure. Pneumatically piloted retainer valve includes a retainer valve (10) movable between a reset position, where brake cylinder pressure is in communication with exhaust and a bottle position, wherein brake cylinder pressure is isolated from exhaust. A retainer pilot control valve (40) provides for piloting of the retainer valve in response to a predetermined reduction or threshold increase in brake pipe pressure.



21: 2019/04395. 22: 2019/07/04. 43: 2021/11/09
 51: B01D; C02F; A61M; F04D
 71: ELLEN MEDICAL DEVICES PTY LTD
 72: GARVEY, VINCENT JOSEPH
 33: AU 31: 2015905395 32: 2015-12-24

54: TREATMENT FLUID PREPARATION SYSTEM
 00: -

A system for purifying incoming fluid is provided that is modular and includes a heat exchanger module, an evaporator-condenser module and a compressor. The system is configured to facilitate passive drainage of the purified fluid for collection. The system components are arranged in a stacked configuration to facilitate gravitational flow of the purified fluid such that the purified fluid drains passively for collection. A system for preparation of ready-to-use treatment fluid is also provided including the modular fluid purification system, a preparation station and a coupling device. The components are configured to be retained in a portable carrier that is manually operable for improved access to and mobility of the components. A coupling device for use in connecting flow channels of a plurality of components and for use in preparing ready-to-use dialysate is also provided. A further system for preparation of a receptacle and a ready-to-use treatment fluid in the receptacle is provided.



21: 2019/04434. 22: 2019/07/05. 43: 2021/11/29
 51: A61K; A61P
 71: ERBER AKTIENGESELLSCHAFT
 72: MAYER, Elisabeth, NOVAK, Barbara, SCHWAB-ANDICS, Christina, HOFSTÄTTER-SCHAEHS, Ursula, SCHATZMAYR, Gerd
 33: EP 31: 16450032.4 32: 2016-12-28

54: USE OF AT LEAST ONE GLYCYRRHIZA PLANT-BASED PREPARATION, AN ANTIDOTE MADE FROM SAME, AND THE USE OF SAID ANTIDOTE
 00: -

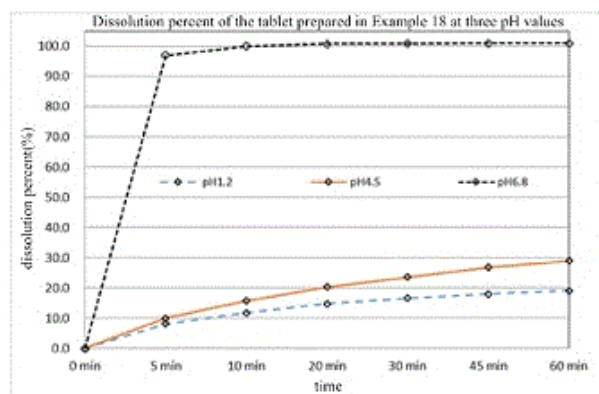
The invention relates to the use of at least one glycyrrhiza plant-based preparation, chosen from the group comprising: meal from a whole dried glycyrrhiza plant; meal from leaves of the dried glycyrrhiza plant; meal from roots of the dried glycyrrhiza plant; aqueous dry extract from the glycyrrhiza plant; aqueous/ethanolic dry extract from the glycyrrhiza plant; and aqueous extract from the glycyrrhiza plant, optionally together with at least one auxiliary agent, in order to reduce the toxic effect of at least one polypeptide fungal toxin in agricultural products.

21: 2019/04584. 22: 2019/07/12. 43: 2021/11/29
 51: A61K; C07D; A61P
 71: HUA MEDICINE (SHANGHAI) LTD.
 72: CHEN, LI, LI, YONGGUO, WANG, GAOSUN
 33: CN 31: 201611162346.7 32: 2016-12-15

54: ORAL PREPARATION OF GLUCOKINASE ACTIVATOR AND PREPARATION METHOD THEREFOR
 00: -

The present invention relates to a solid dispersion and a preparation method therefor. The solid

dispersion contains a glucokinase activator, an isotopic label thereof, or a medicinal salt thereof and a polymer support. The present invention further relates to a solid dispersion composition containing the solid dispersion and an excipient. The present invention also relates to an oral preparation of the glucokinase activator, containing the solid dispersion or the solid dispersion composition. The present invention also relates to a tablet and a capsule of the glucokinase activator and a preparation method therefor. In addition, the present invention also relates to uses of the solid dispersion, the solid dispersion composition and the oral preparations comprising the tablet and the capsule, which can be used for treating and/or preventing selected diseases or medical conditions and especially one or more diseases selected from type I diabetes mellitus, type II diabetes mellitus, impaired glucose tolerance, impaired fasting glucose and hyperglycemia.



21: 2019/04853. 22: 2019/07/24. 43: 2021/11/09
51: B01D; C07C; C08G; C10G

71: Dorf Ketal Chemicals (India) Private Limited

72: SUBRAMANIAM, Mahesh

33: IN 31: 201721002955 32: 2017-01-25

54: DEMULSIFICATION ADDITIVE COMPOSITION, USE THEREOF, AND METHOD OF DEMULSIFICATION

00: -

The present invention relates to a demulsification additive composition for demulsification of water-in-oil emulsion caused due to wash water in the crude oil, wherein the composition comprises: (a) one or more demulsifiers (the component (a)); and (b) a compound selected from the group comprising

glyoxal, neutralized glyoxal, glyoxal derivative and a mixture thereof (the component (b)), and (c) further comprises phosphoric acid (the component (c)). The present invention also relates to a method of using the present demulsification additive composition for demulsification of water-in-oil emulsion caused due to wash water in the crude oil. The present invention also relates to a method for demulsification of water-in-oil emulsion caused due to wash water in the crude oil by employing the present demulsification additive composition.

21: 2019/04936. 22: 2019/07/26. 43: 2021/10/26

51: H04L

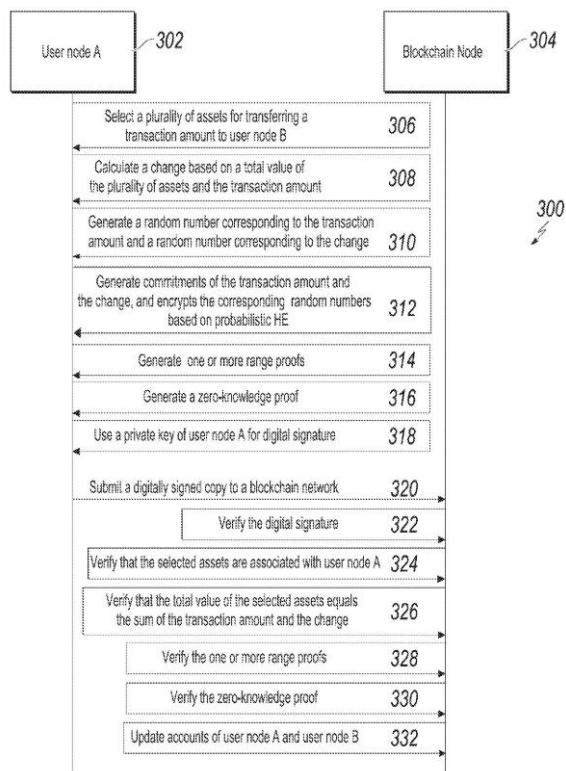
71: Alibaba Group Holding Limited

72: ZHANG, Wenbin, MA, Baoli, MA, Huanyu

54: BLOCKCHAIN DATA PROTECTION BASED ON GENERIC ACCOUNT MODEL AND HOMOMORPHIC ENCRYPTION

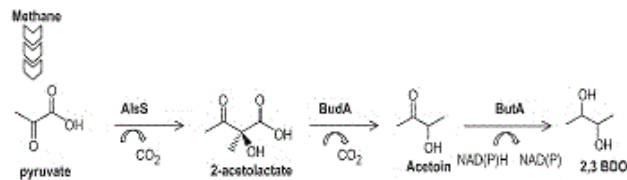
00: -

Implementations of the specification include receiving transaction data associated with the transaction, the transaction data comprising: data representative of a plurality of assets, a first commitment that hides a first random number and a transaction amount of the transaction, a second commitment that hides a second random number and a change, the transaction amount and a third random number both encrypted by a public key of the second node based on a linear deterministic homomorphic encryption (HE) scheme, the change and a fourth random number both encrypted by a public key of the first node based on the linear deterministic HE scheme, and a zero-knowledge proof (ZKP); determining, based on the ZKP, whether the transaction is valid based on determining if the first random number is equal to the third random number, the second random number is equal to the fourth random number, and the transaction amount hidden in the first commitment is equal to the transaction amount encrypted by the public key of the second node.



21: 2019/05094. 22: 2019/07/31. 43: 2021/11/09
 51: C12N; C12P
 71: PRECIGEN, INC.
 72: ZHAO, XINHUA, HELD, MARK ANTON, HUYNH, TINA, CHAO, LILY YUIN, TRINH, NA, SCHAMLSCH, MATTHIAS HELMUT, YEH, BRYAN, KEALEY, JAMES, DIETZEL, KEVIN LEE
 33: US 31: 62/451,819 32: 2017-01-30
 33: US 31: 62/504,626 32: 2017-05-11
 33: US 31: 62/588,985 32: 2017-11-21
 33: US 31: 62/512,312 32: 2017-05-30
54: METHODS AND MICROORGANISMS FOR MAKING 2,3-BUTANEDIOL AND DERIVATIVES THEREOF FROM C1 CARBONS

00: -
 Genetically modified microorganisms that have the ability to convert carbon substrates into chemical products such as 2,3-BDO are disclosed. For example, genetically modified methanotrophs that are capable of generating 2,3-BDO at high titers from a methane source are disclosed. Methods of making these genetically modified microorganisms and methods of using them are also disclosed.



21: 2019/05136. 22: 2019/08/02. 43: 2021/10/26
 51: C12P

71: HERBOLEA BIOTECH S.R.L.
 72: VENTURINI DEL GRECO, Giovanni
 33: US 31: 62/446,429 32: 2017-01-14
 33: US 31: 62/524,239 32: 2017-06-23
 33: US 31: 62/546,372 32: 2017-08-16

54: ENZYME-ASSISTED LIPID-BASED EXTRACTION AND STABILIZATION OF PHYTO-CANNABINOIDS AND TERPENS AND PRODUCTS OBTAINED THEREOF

00: -

The present application provides a safe, efficient, environmental friendly and convenient method for an enzyme assisted lipid-based extraction and stabilization of phyto-cannabinoids and terpenes/terpenoids from plant materials. The lipid-based extract presents high cannabinoid content and enhanced phyto-cannabinoids and terpenes/terpenoids stability, and it can be valorized toward multiple applications in the health, cosmetic, food and agricultural sectors.

21: 2019/05267. 22: 2019/08/08. 43: 2021/12/06
 51: A61B
 71: INNOVATIVE MEDICAL TECHNOLOGY (PTY) LTD

72: PARKER, Cyril Norman, PARKER, Elisabeth Regina, VORSTER, Jared Mark, WISEMAN, David Christopher

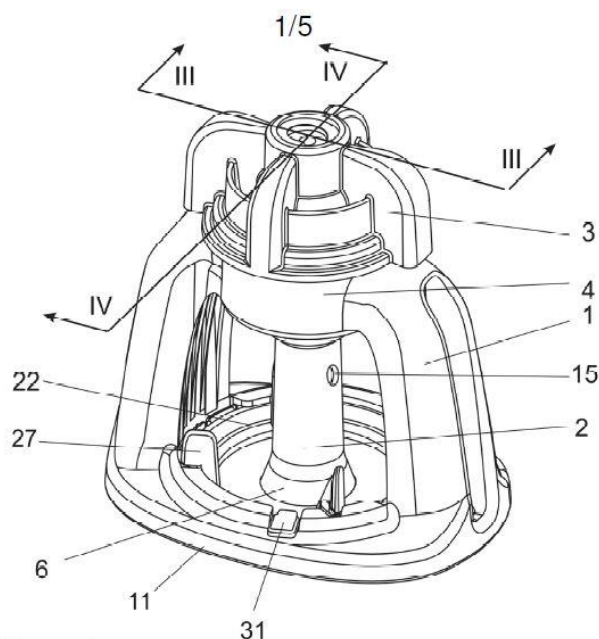
33: ZA 31: 2017/00296 32: 2017-01-13

54: CIRCUMCISION DEVICE

00: -

A circumcision device is provided by the present invention and includes a body and a glans penis locating and protecting member permanently or releasably associated with the body. The body and glans penis locating member between them support a foreskin crushing assembly that includes a crushing surface that includes an axis extending in the general direction of a penis being circumcised in use, a cooperating crushing member, and a mechanism for operating the foreskin crushing assembly. A cutting assembly is also provided that

is rotatable about said axis relative to the crushing surface so as to be capable of severing a foreskin adjacent the foreskin crushing assembly. The cutting assembly includes a cutting blade movable between a withdrawn position and an operative extended condition in which the blade may be rotated about said axis to cooperate with the crushing surface or a foreskin located thereon.



21: 2019/06428. 22: 2019/09/30. 43: 2021/11/09
51: B60L

71: Sandvik Mining and Construction Oy
72: TIIHONEN, Tommi, VATANEN, Harri, RISTIMÄKI, Ville

33: EP(FI) 31: 18200486.1 32: 2018-10-15

54: MINING VEHICLE, AND METHOD FOR STARTING AN AC ELECTRIC MOTOR OF A MINING VEHICLE

00: -

For starting an AC electric motor (104) of a mining vehicle (300) it is first accelerated (501) to a first speed with a second AC voltage provided by an onboard battery-powered inverter (102) of the mining vehicle (300). A phase of a first AC voltage taken from an external grid (203) is compared to a phase of said second AC voltage. If the phase difference between the first and second AC voltages is larger than a predetermined limit, the speed at which said inverter (102) rotates said AC electric motor (104) is changed. If said difference between said phases of said first and second AC voltages is smaller than

said pre-determined limit, a change is made (504, 505) from rotating the AC electric motor (104) with the second AC voltage to rotating the AC electric motor (104) with the first AC voltage.

21: 2019/06682. 22: 2019/10/10. 43: 2021/11/29
51: B01D; C07C; C07D

71: Nextleaf Solutions Ltd

72: KO, Ryan Delmoral, HUGHES, Brock

33: US 31: 15/721,344 32: 2017-09-29

54: CANNABINOID EXTRACTION PROCESS AND SYSTEM

00: -

Raw plant material is mixed with ethanol under pressure to extract essential elements. The resulting crude oil and ethanol with the dissolved essential elements is separated from the raw plant material and filtered to remove particulates, waxes, lipids, fats and dissolved impurities. The ethanol is then evaporated from the resulting mixture of crude oil and ethanol, and the remaining crude oil then undergoes decarboxylation and distillation to obtain the essential elements. The ethanol may be chilled before adding it to the raw plant material.

21: 2019/07333. 22: 2019/11/05. 43: 2021/11/29
51: A63F

71: TCS JOHN HUXLEY EUROPE LTD.

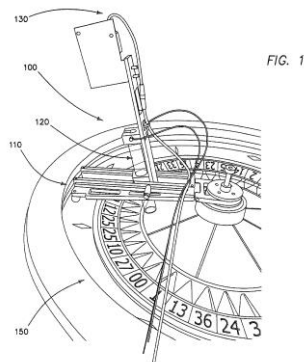
72: BASKERVILLE, Paul, NIPP, Shannon

33: US 31: 15/480,272 32: 2017-04-05

54: PORTABLE SYSTEM AND METHOD FOR IDENTIFYING ROULETTE WHEEL BIASES

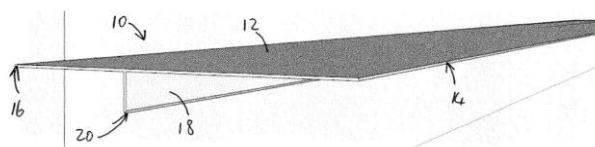
00: -

A portable system and method for identifying roulette wheel biases includes a frame member rotatably attachable to a roulette wheel proximate a turret support, a ball-drop tube slidably engaged to the frame member and a laser positioned to measure at least a bounce height of a roulette ball dropped through the ball-drop tube onto selective areas of the roulette wheel. One or more sensors may be positioned to trigger the laser responsive to a roulette ball being dropped through said ball-drop tube. Software analyzes the bounce height to determine dead spots and hot spots on the roulette wheel. Sound waves may also be measured to determine dead spots and hot spots.



21: 2019/07357. 22: 2019/11/06. 43: 2021/11/29
 51: E04B; E04C
 71: Eaziseal IP (Pty) Ltd
 72: KEMPEN, Antonius Maria
54: CAVITY CLOSER AND SLIP JOINT BUILDING ACCESSORY

00: -
 A building accessory (10) comprises an elongate web (12) with a longitudinal flange (18) protruding from one side of the web (12). The accessory (10) is made of polymeric material and the flange (18) is spaced from opposing lateral edges (14,16) of the web (12). The accessory (10) is used to close a cavity (22) in a cavity wall (24) by resting the edges (14,16) of the web (12) on upper edges (30) of skins (26,28) of the wall, and laying wet construction material (34) on top of the web (12). A second inverted accessory (10) can be laid back-to-back on top of the first accessory (10) to form a slip joint.

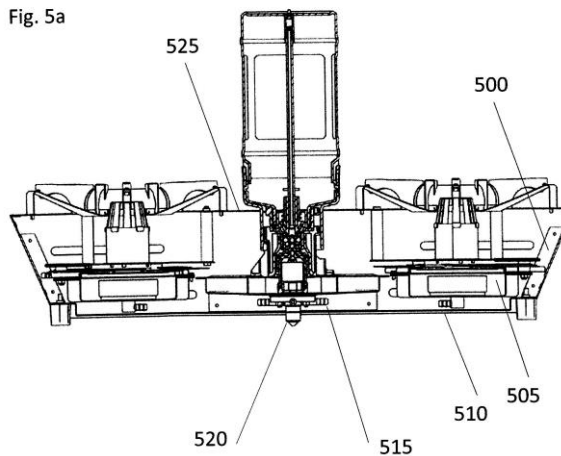


21: 2019/07449. 22: 2019/11/11. 43: 2021/10/26
 51: B65B; B65D; B67C; F23D; F23K
 71: KOKO NETWORKS LIMITED, KOKO NETWORKS LIMITED
 72: SAXENA, Sagun, DA COSTA, Micael, GAJJAR, Amit, TIMMERMANS, Mathias, SHAH, Mehul, YOI, Payan Ole-Moi
 33: KE 31: KE/P/2017/002630 32: 2017-04-18
54: LIQUID FUEL DELIVERY AND USAGE SYSTEMS AND METHODS

00: -
 The invention pertains to liquid fuel cooking apparatuses and systems. A liquid fuel cooking apparatus as described is suitable for consumers in

resource-constrained environments, and is an effective alternative to traditional solid fuel stoves. The systems as described provide safe, reliable, convenient, and relatively inexpensive means for providing liquid fuel to the cooking apparatus, with minimal human involvement and substantial flexibility afforded to the consumer. The apparatus and systems are environmentally friendly as reducing dependency on solid fuels while minimizing release of liquid fuel vapours and minimizing the risk of spillage.

Fig. 5a



21: 2019/07612. 22: 2019/11/18. 43: 2021/11/18
 51: G01C
 71: RAMOS DE ALMEIDA, Gilvan, MARQUES DE LIMA, Eduardo Rafael, RIOS NICOLINI, Alexei
 72: RAMOS DE ALMEIDA, Gilvan, MARQUES DE LIMA, Eduardo Rafael, RIOS NICOLINI, Alexei
 33: BR 31: 102017001071-6 32: 2017-01-18
54: HUBODOMETER

00: -
 A hubodometer for attachment to a wheel hub comprising an outer housing enclosing equipment for measuring distance travelled based on number of revolutions of the wheel hub, and a NFC-based communications link for transmitting and receiving data. Said equipment comprises a first assembly conjoined with said outer housing and a second assembly comprising an anti-rotation pendulum including two permanent magnets of opposing polarities, the positions of which subtend an angle α smaller than 180 degrees. Said first assembly comprises a bipolar Hall sensor which traverses the North and South fields of said magnets, whose output signal is a rectangular wave in which different mark-to-space ratios are associated with forward or reverse travel directions. When the Hall sensor has

traversed both North and South fields said Hall sensor's output signal is decoded as the completion of a vehicle's wheel rotation, and a revolutions counter is increased by one unit.

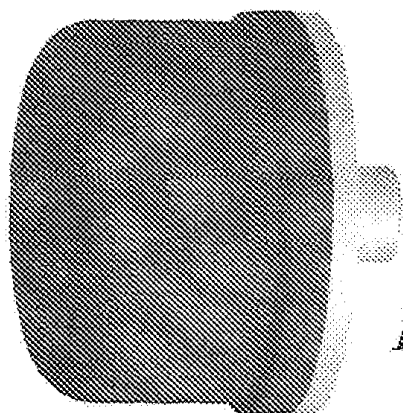


Fig. 7

21: 2019/07805. 22: 2019/11/25. 43: 2021/11/29
51: B60T; H04B

71: FAIVELEY TRANSPORT ITALIA S.P.A.

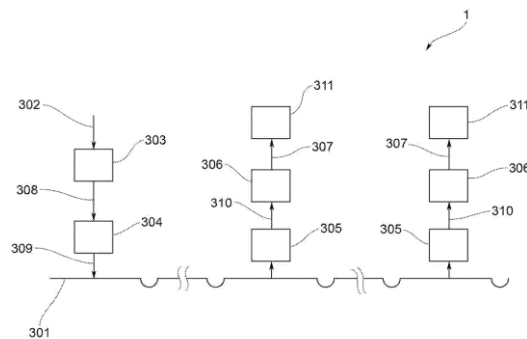
72: TIONE, Roberto

33: IT 31: 102017000058879 32: 2017-05-30

54: ACOUSTIC SYSTEM AND METHOD FOR THE TRACTION/BRAKING CONTROL OF A TRAIN

00: -

An acoustic traction/braking control system (1) is described, including a modulator device (303) associated with a master vehicle (ML), which receives a traction or braking request signal (302) and generates an electrical signal (308) which is transformed into an acoustic signal (309) to be transmitted in the brake pipe (301); the frequency of the acoustic signal (309) is adjusted according to the amplitude of the traction or braking request signal (302), according to a trans-characteristic function; - a transducer device (305), associated with a slave vehicle (SL), which detects the acoustic signal (309) and converts the instantaneous amplitude value thereof into an electrical signal (310) the frequency value of which is adjusted according to the frequency of the acoustic signal (309); - a frequency demodulator (306) associated with a slave vehicle (SL), which generates a traction or braking management signal (307) the amplitude of which is regulated according to the frequency of the electrical signal (310) and transmitted to a traction and braking management system (311) associated with the at least one slave vehicle (SL).



21: 2019/07806. 22: 2019/11/21. 43: 2021/10/26

51: A61K; C07K; G01N

71: IMMUNOGEN, INC.

72: AB, Olga, TAVARES, Daniel, SETIADY, Julianto, LADD, Sharron, CARRIGAN, Christina, N., RUI, Lingyun

33: US 31: 61/872,407 32: 2013-08-30

33: US 31: 61/875,475 32: 2013-09-09

33: US 31: 61/940,184 32: 2014-02-14

54: ANTIBODIES AND ASSAYS FOR DETECTION OF FOLATE RECEPTOR 1

00: -

The invention generally relates to antibodies that bind to human folate receptor and diagnostic assays for folate receptor 1-based therapies. Methods of using the antibodies to monitor therapy are further provided.

21: 2019/07937. 22: 2019/11/28. 43: 2021/11/23

51: B31F; E04C

71: SAINT-GOBAIN PLACO SAS

72: DASH, Girish, SHINDE, Shailendra, AHMED, Rizwan

33: IN 31: 201741018271 32: 2017-05-24

54: A CORRUGATED CONSTRUCTION ELEMENT

00: -

A corrugated construction element (100) for drywall and ceiling construction is disclosed. The corrugated construction element (100) comprises a base profile (101) connected to at least one leg profile (102a) or (102b). The base profile (101) and/ or at least one leg profile (102a) or (102b) comprise an array of angular corrugations (110) extending across their surface in a non-parallel direction to the principal axis L of the corrugated construction element (100). The disclosure also relates to an apparatus and a method for forming a corrugated profile (770).

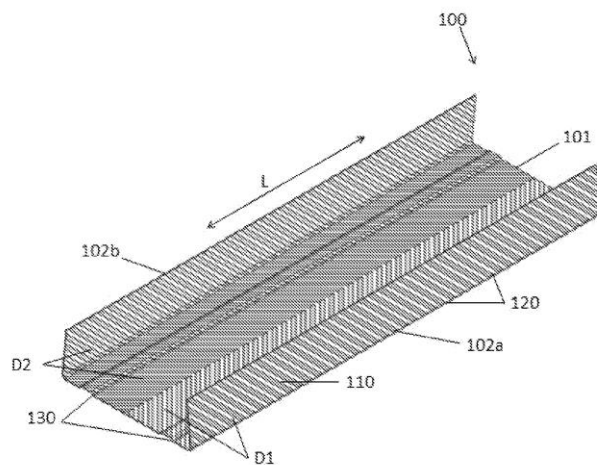


FIG. 3

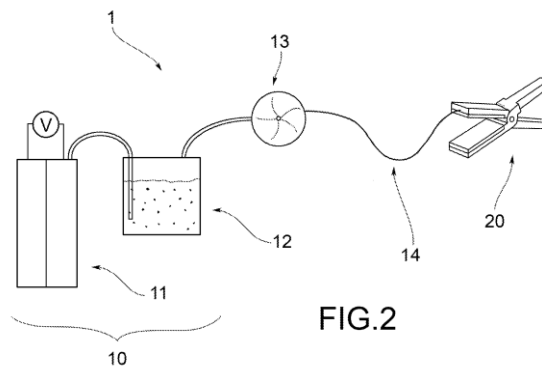


FIG. 2

21: 2019/08472. 22: 2019/12/19. 43: 2021/11/29
51: A45D

71: GANDINI, Carolina

72: GANDINI, Renato

33: IT 31: 102017000074024 32: 2017-07-03

54: METHOD FOR HAIR STRAIGHTENING AND RELATIVE DEVICE FOR HAIR STRAIGHTENING

00: -

A method for hair straightening comprising the steps of heating a hair plate (20) at a working temperature (T), applying to the hair a gas flow that changes the gas environment around the hair, and simultaneously passing the plate (20) slowly over one lock at a time carrying out a plurality of passages. In particular, the gas environment around the hair is composed of air wherein the chemical components have been varied (for example, it is hydrogen enriched), or the oxygen percentage has been varied, or a gas compound normally not present has been added. The relative straightening device comprises a gas flow generator (10) connected, through a conduit (14), to a dispensing plate (20) heated by heating means (21); the generator (10) comprises a hydrogen generator (11) connected to dispensing means (24) provided on the dispensing plate (20) at the heating means (41).

21: 2019/08583. 22: 2019/12/23. 43: 2021/11/29
51: G06K; G06Q

71: GIBSO, Hod, SHLAFROK, Shiran, GINAT, Zion

72: GIBSO, Hod, SHLAFROK, Shiran, GINAT, Zion

33: IL 31: 253321 32: 2017-07-05

33: IL 31: 253825 32: 2017-08-03

54: A VEHICLE REFUELING AUTHENTICATION SYSTEM

00: -

The present invention relates to a method for authenticating vehicle service account transactions, in which an odometer of a vehicle is digitally read and during an authentication process the odometer reading is compared to a previous digital reading of the odometer for determining whether the reading relates to an authenticated vehicle and whether the current reading relative to the previous reading justifies servicing the vehicle.

21: 2019/08617. 22: 2019/12/23. 43: 2021/11/25
51: A61K; A61P

71: GLYTECH LLC.

72: JAVITT, Daniel C.

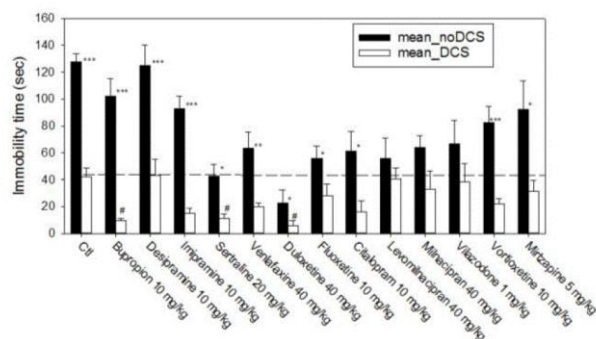
33: US 31: 62/510,801 32: 2017-05-25

33: US 31: 62/518,020 32: 2017-06-12

54: COMBINED THERAPY FOR NMDAR ANTAGONIST-RESPONSIVE NEUROPSYCHIATRIC DISORDERS

00: -

Described herein are compositions, including an oral dosage regimen, for the treatment of NMDAR-related neuropsychiatric disorders such as depression and obsessive-compulsive disorder and that includes an NMDAR antagonist, such as D-cycloserine formulated to produce plasma levels in excess of 25 microgram/mL, combined with more recently developed antidepressants.



21: 2020/00502. 22: 2020/01/24. 43: 2021/10/27

51: A61K; A61Q

71: Virtue Labs, LLC

72: SHABAN, Melisse, JACOBSEN, William, FALCO, Erin

33: US 31: 62/524,660 32: 2017-06-26

54: COSMETIC COMPOSITIONS AND METHODS OF USE

00: -

Keratin protein cosmetic compositions are provided that include at least one keratin protein derived from human hair and a base cosmetic solution. Methods of treatment are also provided.

21: 2020/01051. 22: 2020/02/19. 43: 2021/11/04

51: A41G; D02G

71: YG Chem Co., Ltd.

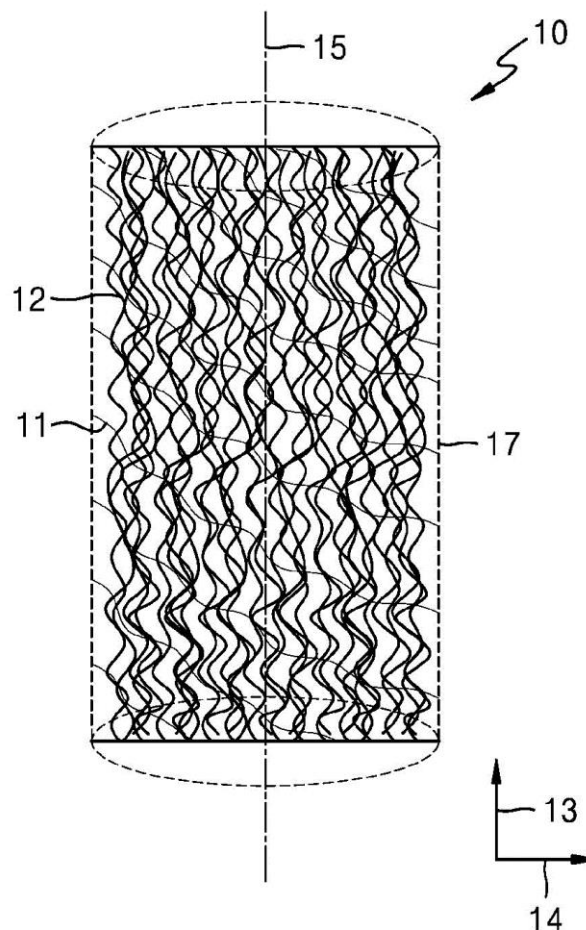
72: LEE, Hae Ju

33: KR 31: 10-2018-0005511 32: 2018-01-16

54: CONTINUOUS STRAND OF FILAMENTS HAVING GRADIENT-LENGTH CHARACTERISTIC IMPLEMENTED BY KINKY TEXTURE AND SPIRAL ROTATION TWIST, AND MANUFACTURING METHOD THEREFOR

00: -

Disclosed is a strand which has a shape extending in the longitudinal direction thereof and includes one kind of filament having an internalized gradient-length effect by a spiral rotation twist and having a fine texture caused by irregular autogenous heat shrinkage. The filaments of the strand exhibit a natural coiling characteristic very similar to afro-textured hair, and this characteristic is attributed to a fact that the filaments have a three-dimensional waveform formed by many fine and irregular projections and the waveform exhibits a fractal structure characteristic and a fine kinky texture.



21: 2020/01338. 22: 2020/03/02. 43: 2021/11/29

51: B29B; B29C

71: STEYN, John Henry

72: WESSELS, Johannes Tobias

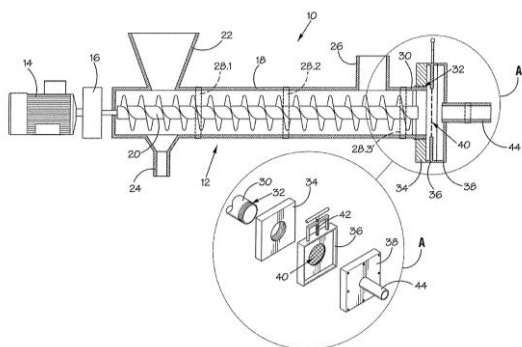
33: ZA 31: 2017/05355 32: 2017-08-08

54: PROCESS AND APPARATUS FOR RECYCLING OF MIXED PLASTIC WASTE

00: -

Apparatus (10) for recycling mixed plastic waste, the recycling apparatus comprising a thermal extrusion system including a thermal extruder (12) including an elongate barrel (18) having a first end and a second end. The barrel (18) has a feed opening at the lower end of a hopper (22) into which a mixture of plastic waste and water is introduced. The barrel (22) has a number of heating zones (28.1, 28.2, 28.3) along the length thereof for heating the plastic waste / water mixture to a temperature at least above the boiling point of water so as to cause the water to change phase to steam. A steam vent opening (26) is provided near the second end of the

barrel, through which steam is allowed to vent from the barrel. A water collection reservoir is disposed at an operative lower region thereof for collecting excess water which drains from the plastic waste / water mixture. The apparatus further includes an extrusion head including an extrusion die (44) near the second end of the barrel and rotatable a screw conveyer (12) located within the barrel (18) for conveying the mixture of plastic waste and water along the barrel from the first end thereof to the second end thereof.



21: 2020/01370. 22: 2020/03/03. 43: 2021/11/12
51: B02C

71: PUREM GMBH

72: GÜNTHER, MAX, RUDOLPH, KARSTEN,
ZSCHIPPANG, THOMAS, PETER, SEBASTIAN
33: DE 31: 10 2019 105 322.6 32: 2019-03-04

54: COMPRESSING JAW ASSEMBLY UNIT

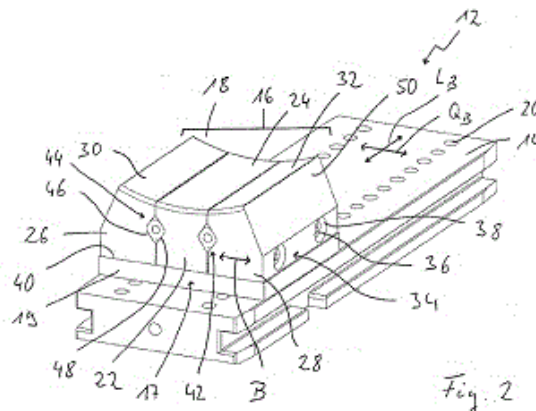
00: -

A compressing jaw assembly unit for a compressing device for compressing tubular metal parts comprises:

- a compressing jaw carrier (17),
- at least one compressing jaw (16), which is provided at the compressing jaw carrier (17) with a compressing surface (18), is oriented essentially facing away from the compressing jaw carrier (17) and is curved transversely to a compressing jaw longitudinal direction (L_B) in a compressing jaw transverse direction (Q_B),

wherein the compressing jaw (16) comprises a fixed compressing jaw segment (22), which is fixed to the compressing jaw carrier (17) and provides a compressing surface segment (24), and at least one movable compressing jaw segment (26, 28) providing a compressing surface segment (30, 32), wherein the at least one movable compressing surface segment (26, 28) can be moved in a direction of movement (B) in relation to the fixed

compressing surface segment (22) against the prestressing action of a prestressing device (42).



21: 2020/01415. 22: 2020/03/05. 43: 2021/11/29
51: B63C

71: COLLAR4LIFE S.L

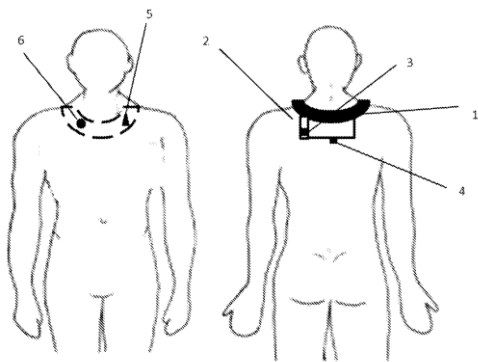
72: CUESTA ZAVALA, Ignacio

33: US 31: 15/624,713 32: 2017-06-16

54: COLLAR LIFE PRESERVER FOR WATER SPORTS

00: -

This invention reveals a collar life preserver for water sports or similar that includes a compressed inflatable life preserver (1), a cartridge (2) that is filled with CO₂, a solenoid valve (3) in connection with the cartridge (2), a discharge valve (4), a sensor (5) associated with a microprocessor (6) programmed with an algorithm and emission/reception means between the valve (3) and the microprocessor (6). The inflatable collar (1) presents a sensor (5) associated with the microprocessor (6) programmed with an algorithm that constantly receives information of the user's body functions and is capable of determining when the user is unconscious.



21: 2020/01978. 22: 2020/05/04. 43: 2021/11/29

51: F41A

71: ARSENAL FIREARMS FINANCE LIMITED

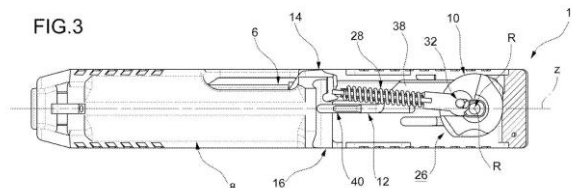
72: STRESHINSKY, Dmitry

54: GUN

00: -

Gun (1) comprising a gun frame (2), a barrel (4) supported by the gun frame (2), a slide (8), translatable longitudinally in relation to the barrel (4), and at least a hammer (10), rotatably mounted with respect to the gun frame (2) so as to move at least a firing pin (12) of said gun (1) towards the barrel (4). A centreline plane (Z) crosses said gun (1) between opposite gun flanks (14, 16), and the rotation axis (R) of said hammer (10) lies in the centreline plane (Z) or is substantially parallel to said plane (Z).

FIG.3



21: 2020/02021. 22: 2020/05/04. 43: 2021/11/11

51: E21B

71: WILVIC PLASTICS CC

72: BOGDANOVIC, BAREND JACOBUS

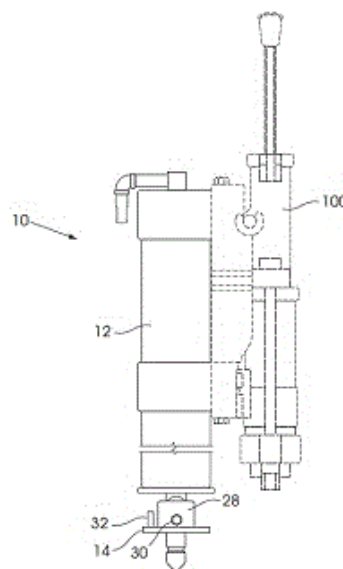
33: ZA 31: 2019/00356 32: 2019-01-18

54: DRILL SUPPORT

00: -

This invention relates to a drill support, comprising a support and a base portion, pivotably connected together. The support portion is pivotably displaceable relative to the base portion between a first position, in which the support and base portions are substantially axially aligned and a second position, in which the support portion is pivoted away from the first position. Also disclosed is a method of

providing access to a drill mounted to said drill support. The support portion is initially located in the first position and a retaining means of the drill support is configured in a locked configuration. The method includes the steps of configuring the retaining means in an unlocked configuration and pivoting the support portion away from the first position, to the second position. Pivoting beyond the second position is inhibited by the retaining means, thereby retaining the support portion in the second position.



21: 2020/02191. 22: 2020/05/04. 43: 2021/10/26

51: C07K; C12N

71: Janssen Vaccines & Prevention B.V.

72: UIL, Taco Gilles, ROY, Soumitra, KHAN, Selina, CUSTERS, Jérôme H.H.V.

33: EP(NL) 31: 17199354.6 32: 2017-10-31

54: ADENOVIRUS AND USES THEREOF

00: -

Provided herein are adenoviral nucleic acid sequences and adenoviral vectors comprising said nucleic acid sequences. The provided adenoviral vectors can be used to induce a protective immune response in a subject.

21: 2020/02247. 22: 2020/05/04. 43: 2021/10/27

51: A61K; A61P

71: Oneness Biotech Co. Ltd.

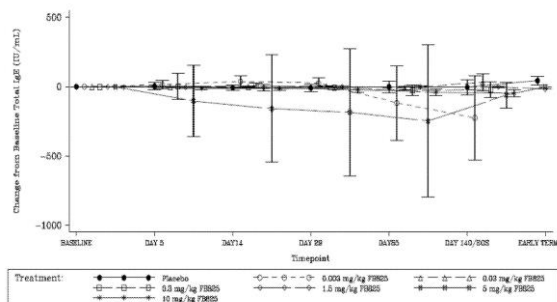
72: LU, Kung-Ming, CHEN, Nien-Yi, CHENG, Tien-Tien

33: US 31: 62/579,416 32: 2017-10-31

54: TREATING IGE-MEDIATED ALLERGIC DISEASES

00: -

Methods for treating a disorder associated with immunoglobulin E (IgE) in a subject with antibodies capable of binding to the Cemx domain of a membrane-bound IgE. The subject can be administered with at least two doses of the antibody, the two doses being at least three months apart.



21: 2020/02249. 22: 2020/05/04. 43: 2021/11/09

51: A61K; A61P; C07D

71: AiCuris GmbH & Co. KG

72: WEGERT, Anita, GREMMEN, Christiaan, SPRINGER, Jasper, DONALD, Alastair, URBAN, Andreas, BONSMANN, Susanne

33: EP(DE) 31: 17199687.9 32: 2017-11-02

54: NOVEL, HIGHLY ACTIVE AMINO-THIAZOLE SUBSTITUTED INDOLE-2-CARBOXAMIDES ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)

00: -

The present invention relates generally to novel antiviral agents. Specifically, the present invention relates to compounds which can inhibit the protein(s) encoded by hepatitis B virus (HBV) or interfere with the function of the HBV replication cycle, compositions comprising such compounds, methods for inhibiting HBV viral replication, methods for treating or preventing HBV infection, and processes and intermediates for making the compounds.

21: 2020/02306. 22: 2020/05/04. 43: 2021/10/26

51: B07B

71: DERRICK CORPORATION

72: LIPA, Anthony J.

33: US 31: 62/553,668 32: 2017-09-01

54: DEBLINDING APPARATUSES AND METHODS FOR SCREENING

00: -

Deblinding apparatuses and deblinding methods are provided. A deblinding apparatus may include a support frame (120) including a grid structure (130) and multiple compartments (124). Multiple scattering members (134a, 134b) may be disposed within a compartment. Scattering members be removably affixed to a portion of the grid structure that forms a part of a compartment. Multiple unsecured objects (138) may be placed within a compartment. When attached to a screen and in response to movement of support frame (120), at least one unsecured object of the multiple unsecured objects (138) may collide with a first scattering member (134a, 134b) and with a surface of the screen to thereby cause deblinding of the screen. Sizes, shapes, masses, and morphologies of unsecured objects (138) may be designed to optimize collision rates of unsecured objects with scattering members (134a, 134b) and with the screen assembly (120).

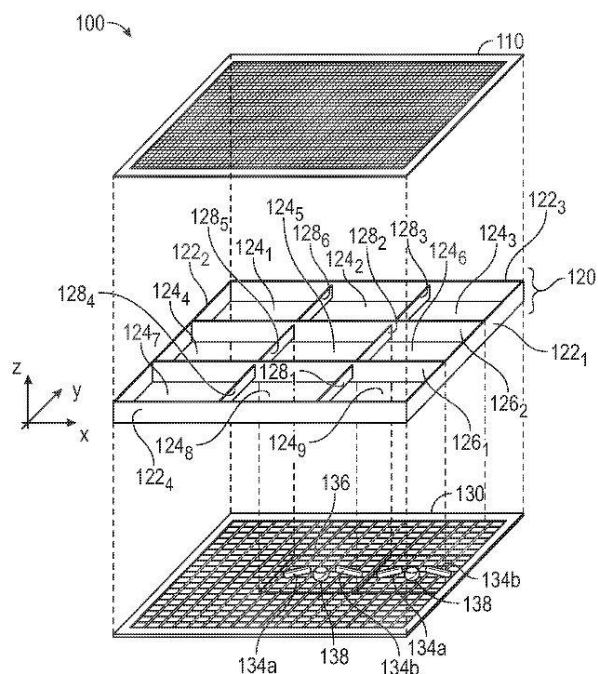


FIG. 1

21: 2020/02638. 22: 2020/05/12. 43: 2021/11/29

51: E04C

71: RAMTSILO TRADING PTY LTD

72: Kedibone TSILOANE, Kekeletso TSILOANE

54: BUILDING BRICK COMPRISING THERMO-softening PLASTIC AND METHOD OF MANUFACTURE

00: -

This invention describes a building brick comprising a thermosoftening plastic polymer and sand. The invention further describes a process for preparing a building brick comprising a thermosoftening plastic polymer and sand where water and cement is not used.



21: 2020/02763. 22: 2020/05/14. 43: 2021/11/19
51: C10L

71: Dorf Ketel Chemicals FZE

72: SUBRAMANIYAM, Mahesh

33: IN 31: 201721041306 32: 2017-11-17

54: FUEL ADDITIVE COMPOSITIONS, AND METHOD OF USE THEREOF

00: -

The present invention relates to a fuel additive composition for controlling formation of deposits and for reducing already formed deposits formed in a fuel injection system and engine, or in an internal combustion engine, wherein the fuel additive composition comprises oxide derivative of (a) iso-borneol or (b) borneol, and to a method of use thereof. In one embodiment, the present invention relates to a fuel additive composition for controlling formation of deposits and for reducing already formed deposits formed in a fuel injection system and engine, or in an internal combustion engine, wherein the fuel additive composition comprises (a) iso-borneol or (b) borneol, and to a method of use thereof. In one embodiment, the present invention relates to a fuel additive composition for controlling formation of deposits and for reducing already formed deposits formed in a fuel injection system and engine, or in an internal combustion engine, wherein the fuel additive composition comprises a mixture of oxirane or an oxide compound with (a) iso-borneol or (b) borneol, and to a method of use thereof. In one embodiment, the present invention relates to a composition comprising a fuel and the fuel additive composition of the present invention.

21: 2020/02829. 22: 2020/05/15. 43: 2021/10/26
51: B02C

71: FLSmidt A/S

72: SVENSSON, Daniel, DANIEL, Mark,
LINDQVIST, Mats Olof, MILLER, Nathan Lewis
33: DK 31: PA 2017 70866 32: 2017-11-16

54: HELICAL GEAR WELL FOR CRUSHING APPARATUS

00: -

A novel gear well (200) for a crusher (1) may be characterized in that the recess (210) comprises a helical, non-uniform depth recess having a high point (212A) and a low point (212B). The gear well (200) may be further characterized in that rather than extending to a sharp corner transition (112) and then to an orthogonal sidewall (126), the floor (211) of the recess (210) may instead intersect or blend with the pinion clearance floor (222) adjacent the low point (212B). The helical, non-uniform depth recess (210) is preferably configured for improving the strength of a gear well (200) and/or configured for mitigating oil frothing within the gear well (200), without limitation.

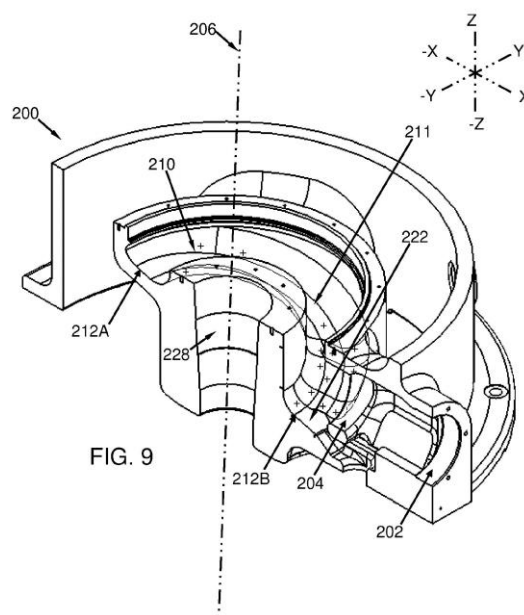


FIG. 9

21: 2020/03090. 22: 2020/05/25. 43: 2021/11/19
51: F16G; B63B

71: INSTITUTE OF OCEANOLOGY, CHINESE
ACADEMY OF SCIENCES

72: CHEN, YONGHUA, LIU, QINGKUI, XU,
YONGPING, JIANG, JINGBO, NI, ZUOTAO, LI,
XIAOLONG, TU, DENGZHI

33: CN 31: 201711220337.3 32: 2017-11-29

54: UNDERWATER TENSION BEARING ELECTRICAL SWIVEL

00: -

An underwater tension bearing electrical swivel includes an outer sealing housing, an inner rotating bearing transmission device, and a cable protection sealing device. The outer sealing housing includes a base (2), a lubricating wear-resisting sheet (3), a framework oil seal (4), a barrel (5), an upper sealing cover (12), a sealing ring (10), and a connecting bolt (11). The inner rotating bearing transmission device includes a base intermediate shaft (204), gaskets (7), a limiting sleeve ring (6), a thrust ball bearing (8), an open nut (13), and a slip ring (15). The cable protection sealing device includes a cable protection screw (19), a hollow compression bolt (17), and a sealing rubber pad (18). The inner rotating bearing transmission device is located in the outer sealing housing filled with liquid. The underwater tension bearing electrical swivel can ensure uplink and downlink signal transmission and remove a torsional load.

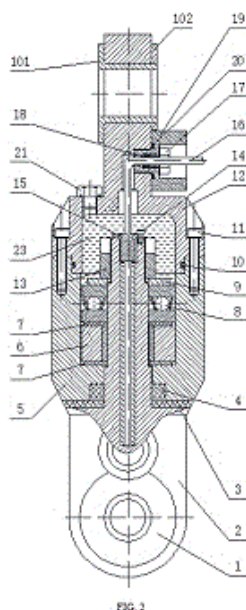


FIG. 2

21: 2020/03425. 22: 2020/06/08. 43: 2021/11/09

51: A01B; A01C; G06N; G06Q

71: The Climate Corporation

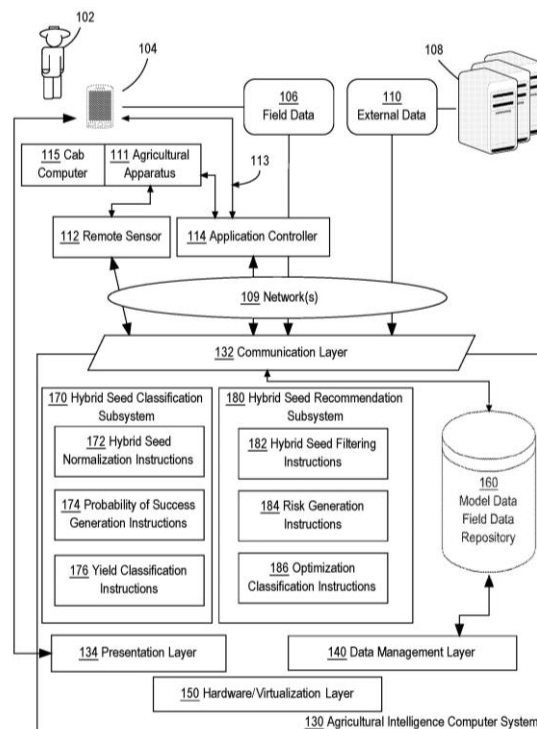
72: REICH, Timothy, YANG, Xiao, SORGE, Matthew, EHLMANN, Tonya S., BULL, Jason Kendrick, SCHNICKER, Bruce J., XIE, Yao

33: US 31: 15/807,876 32: 2017-11-09

54: HYBRID SEED SELECTION AND SEED PORTFOLIO OPTIMIZATION BY FIELD

00: -

Techniques are provided for generating a set of target hybrid seeds with optimal yield and risk performance, including a server receiving a candidate set of hybrid seeds along with probability of successful yield values, associated historical agricultural data and property information, and selecting a subset of the hybrid seeds that have probability of success values greater than a filtering threshold. The server generates representative yield values for hybrid seeds based on the historical agricultural data and risk values for each hybrid seed. The server generates a dataset of target hybrid seeds for planting based on the risk values, the yield values, and the properties for the target fields. The dataset of target hybrid seeds includes target hybrid seeds that meet a specific threshold for a range of risk values. The server causes display of the dataset of target hybrid seeds including yield values and risk values for the target fields.



21: 2020/03503. 22: 2020/06/11. 43: 2021/11/09

51: G06Q

71: INDIAN INSTITUTE OF SCIENCE (IISC)

72: SHRIVASTAVA, Sanjeev Kumar, SHIVASHANKAR, Srinivasarao Ajjampur, BHAT, Navakanta

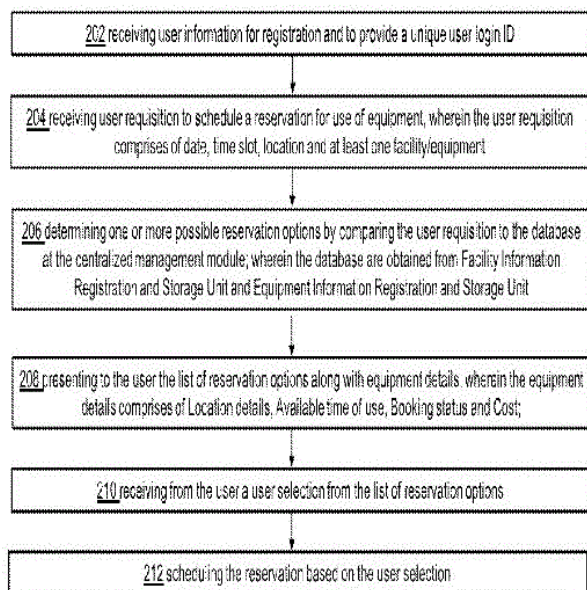
33: IN 31: 201841000140 32: 2018-01-02

54: METHOD AND PROCESS FOR EFFICIENT USE OF GEOGRAPHICALLY DISPERSED FACILITIES

00: -

A system and method for a web-based reservation of geographically dispersed facilities is disclosed. The system comprises a user registration unit configured to receive information to register a user generate a registered user, a user requisition unit configured to receive a requisition from the registered user to schedule a reservation for use of a facility, a centralized management unit configured to determine a list of available facilities by comparing the requisition from the registered user to a database, a reservation display unit configured to present to the registered user the list of available facilities and receive a selection of the facility sought by the registered user, and a reservation scheduling unit configured to schedule a reservation of the selected facility. A method for web-based sharing and efficient use of geographically dispersed facilities is also described.

200



21: 2020/03512. 22: 2020/06/11. 43: 2021/11/29

51: F04D

71: SANLIANPUMP INDUSTRY CO., LTD.

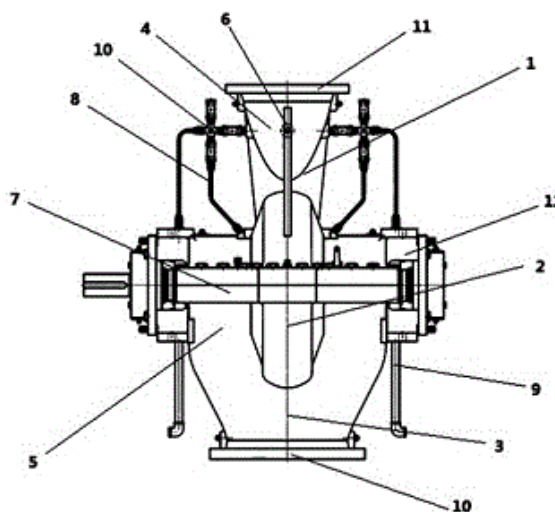
72: HE, XIANGYAN, XU, JIJUN, CHEN, JUN, XU, GANG, CHU, RENHU

33: CN 31: 201910129820.3 32: 2019-02-21

54: WATER SUPPLY PUMP FOR ON-BOARD FIRE WATER MONITOR

00: -

A water supply pump for an on-board fire water monitor, which comprises an upper pump shell and a lower pump shell, wherein a bearing body is fixedly installed between the upper pump shell and the lower pump shell, the upper pump shell and the lower pump shell are coupled and sealed through a surface with an opening in the middle, the bottom of the lower pump shell is provided with a water inlet, the top of the upper pump shell is provided with a water outlet, the inner cavity of the water inlet is provided with two sets of suction flow channels, the inner cavity of the water outlet is provided with a discharging flow channel, a lubrication cooling interface is provided at a sealing ring of the bearing body, and a self-circulation interface and an outer circulation interface are provided at the shaft seal of the bearing body, respectively.



21: 2020/03539. 22: 2020/06/12. 43: 2021/11/12

51: A23B; A23N

71: Nantong Rural Professional Technology Association

72: YUAN, Chunxin, QIU, Xiaofeng, QIU, Weichi, GUAN, Dongmei, GE, Yali, WU, Zhihui

33: CN 31: 201910539384.7 32: 2019-06-20

54: AUTOMATIC SHEPHERD'S PURSE CLEANING AND QUICK-FREEZING PROCESSING LINE

00: -

Disclosed is a shepherd's purse automatic quick-freezing processing production line having a

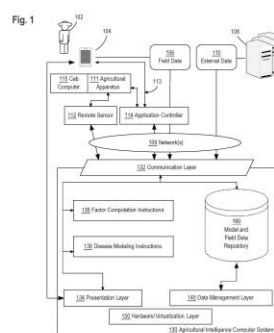
washing function, comprising a vibrating screen, a screening and impurity removal machine, an air flotation washing set, a blanching machine, a primary cooling device, a vibrating dewatering screen, a crushing and cutting device, a quick-freezing machine and a metal detection machine; an output end of the vibrating screen is connected to an upwardly inclined first conveyor mesh belt, the tail end of the first conveyor mesh belt extends into a feeding port of the screening and impurity removal machine, the screening and impurity removal machine is obliquely arranged, and a discharge port thereof is connected to a second conveyor mesh belt, the tail end of the second conveyor mesh belt is located at an inlet port of the air flotation washing set, an output port of the air flotation washing set is connected to the blanching machine for blanching and deactivation of enzymes, an output of the blanching machine is connected to the primary cooling device which sprays a cooling liquid for primary cooling, an output end of the primary cooling device is upwardly inclined and located above the vibrating dewatering screen, a lower end of the vibrating dewatering screen is connected to a third conveyor mesh belt and is fed into the quick-freezing machine for quick-freezing, and after the quick-freezing is completed, feeding to the metal detection machine is performed for metal detection.



21: 2020/03587. 22: 2020/06/15. 43: 2021/11/09
51: A23K; A23L
71: DSM IP Assets B.V.
72: BRUNNER, Dominik Josef, CLASADONTE, Laure, GADIENT, Martin Reto, SCHUEPFER, Roland
33: EP(NL) 31: 17207908.9 32: 2017-12-18
54: STORAGE STABLE MIXTURES, METHOD OF IMPROVING RETENTION OF A COMPOUND AND USE OF RICE HULLS AND/OR RICE BRAN TO ENHANCE RETENTION OF A COMPOUND

00: -
The present invention relates to improved formulations of propandiol mononitrate and derivatives thereof as well as to the production of such formulations.

21: 2020/03588. 22: 2020/06/15. 43: 2021/10/29
51: G06Q
71: The Climate Corporation
72: CARROLL, Patricia Ann
33: US 31: 15/820,322 32: 2017-11-21
54: DIGITAL MODELING OF DISEASE ON CROPS ON AGRONOMICS FIELDS
00: -
A system and method for identifying a probability of disease affecting a crop based on data received over a network is described herein, and may be implemented using computers for providing improvements in plant pathology, plant pest control, agriculture, or agricultural management. In an embodiment, a server computer receives environmental risk data, crop data, and crop management data relating to one or more crops on a field. Agricultural intelligence computer system 130 computes one or more crop risk factors based, at least in part, the crop data, one or more environmental risk factors based, at least in part, the environmental data, and one or more crop management risk factors based, at least in part, on the crop management data. Using a digital model of disease probability, agricultural intelligence computer system 130 computes a probability of onset of a particular disease for the one or more crops on the field based, at least in part, on the one or more crop risk factors, the one or more environmental risk factors, and the one or more crop management factors.



21: 2020/03590. 22: 2020/06/15. 43: 2021/10/29
51: C07D
71: Unichem Laboratories Ltd
72: SATHE, Dhananjay G., DAS, Arijit, GAWAS, Dnyaneshwar V., CHOWKEKAR, Sanjay Bhaskar, JAGTAP, Ravindra Subhash
33: IN 31: 201721045330 32: 2017-12-18

54: PROCESS FOR THE PREPARATION OF OPICAPONE AND INTERMEDIATES THEREOF

00: -

The present invention i s relates to a process for the preparation of opicapone and a process to prepare intermediates to be used therein.

21: 2020/03715. 22: 2020/06/19. 43: 2021/10/29

51: B27K; C08L

71: Stora Enso OYJ

72: FLECKENSTEIN, Marco, BIZIKS, Vladimirs, MILITZ, Holger, MAI, Carsten, MAYES, Duncan, PYNNÖNEN, Janne

33: SE 31: 1751636-0 32: 2017-12-22

54: MODIFIED WOOD PRODUCT AND A PROCESS FOR PRODUCING SAID PRODUCT

00: -

The present invention relates to a process for preparing a modified wood product wherein the wood is treated with low-molecular weight resin based on lignin degradation products. The present invention also relates to a modified wood product produced using said process.

21: 2020/03716. 22: 2020/06/19. 43: 2021/11/09

51: H01G

71: Exeger Operations AB

72: LINDSTRÖM, Henrik

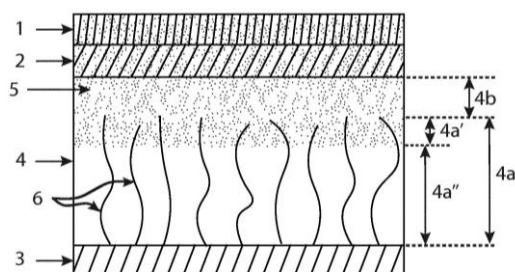
33: EP(SE) 31: 17209762.8 32: 2017-12-21

54: A SOLAR CELL AND A METHOD FOR MANUFACTURING THE SOLAR CELL

00: -

The present invention relates to a solar cell and a method of producing the same. The solar cell comprises a porous light absorbing layer(1), a first porous conducting layer (2), a second conducting layer (3), a porous substrate (4) between the conducting layers, the porous substrate comprises a catalytic conducting portion (4a) in electrical contact with the second conducting layer and an insulating portion (4b) between the first porous conducting layer (2) and the conducting portion, and a conducting medium (5) for transporting charges between the conducting portion (4a) and the light absorbing layer (1). The conducting medium is located in the light absorbing layer (1), the first porous conducting layer(2), and partly the porous substrate (4) so that the insulating portion (4b) and a first part (4a') of the conducting portion (4a) comprises the conducting medium and a second

part (4a'') of the conducting portion is free of conducting medium.



21: 2020/03717. 22: 2020/06/19. 43: 2021/11/09

51: A61K; A61P; C07D

71: Bristol-Myers Squibb Company

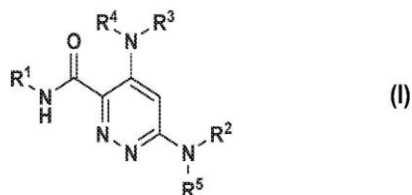
72: LIU, Chunjian, YANG, Michael G., XIAO, Zili, CHEN, Ling, MOSLIN, Ryan M., TOKARSKI, John S., WEINSTEIN, David S., WROBLESKI, Stephen T.

33: US 31: 62/589,165 32: 2017-11-21

54: SULFONE PYRIDINE ALKYL AMIDE-SUBSTITUTED HETEROARYL COMPOUNDS

00: -

Compounds having the following formula (I), or a stereoisomer or pharmaceutically-acceptable salt thereof, where R¹, R², R³, R⁴, and R⁵ are as defined herein, are useful in the modulation of IL-12, IL-23 and/or IFN α , by acting on Tyk-2 to cause signal transduction inhibition.



21: 2020/03726. 22: 2020/06/19. 43: 2021/11/09

51: B64D; G06Q

71: WALKER, Grant Robert James

72: WALKER, Grant Robert James

33: ZP 31: 2017/07878 32: 2017-11-21

54: PACKAGE DELIVERY AND COLLECTION SYSTEM AND METHOD USING DRONES

00: -

A package delivery and collection system using drones is provided, each drone having a unique identifier. The system comprises a detector to detect the arrival of a drone at a drop off zone, the detector

being arranged to determine the unique identifier of the drone to ensure that the correct drone has arrived, by comparing the drone's identifier with an expected drone identifier; and a controller that is arranged, if there is a match in the identifiers, to allow the drone to access the drop off zone. In an embodiment, the controller is in active communication with the drone, and can take over control of the drone to ensure that the drone arrives at and/or departs from the drop off zone safely and correctly.

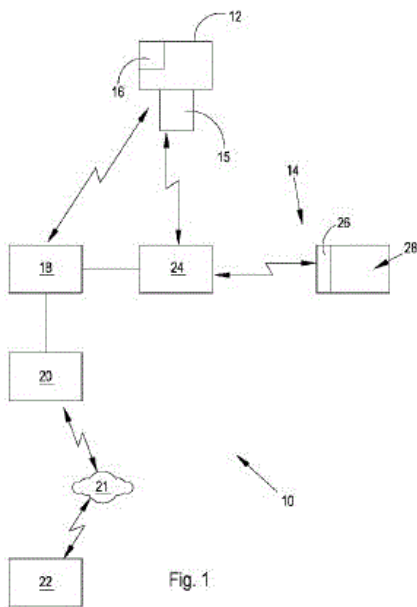


Fig. 1

of the wallet can enable subsequent operations such as wallet transactions to be handled in a secure manner over an insecure channel such as the internet. A method according to an embodiment of the invention can comprise the steps of splitting a verification element (such as a private key in an asymmetric cryptography pair) into a plurality of shares; determining a common secret at two or more nodes in a network; and using the common secret to transmit at least one share of the verification element between the two or more nodes. The shares can be split such that no share on its own is sufficient to arrive at the verification element. This means that no one party stores the entire private key, providing for enhanced security of the key. Two or more shares are required to restore the key. The shares are stored at separate locations one of which is an independent back-up or safe-storage location. If one of the other shares becomes unavailable, the share can be retrieved from back up to ensure that the key (and thus the controlled resource) is still accessible. To ensure safe transmission of the share(s), the common secret is generated at two different nodes independently of each other and then used to generate an encryption key. The encryption key can be used to encrypt at least one share of the verification element, or a message comprising it, to ensure that the share(s) are transmitted securely.

21: 2020/03745. 22: 2020/06/22. 43: 2021/11/18

51: G06Q

71: NCHAIN HOLDINGS LIMITED

72: WRIGHT, Craig Steven, SAVANAH, Stephane

33: GB 31: 1603117.1 32: 2016-02-23

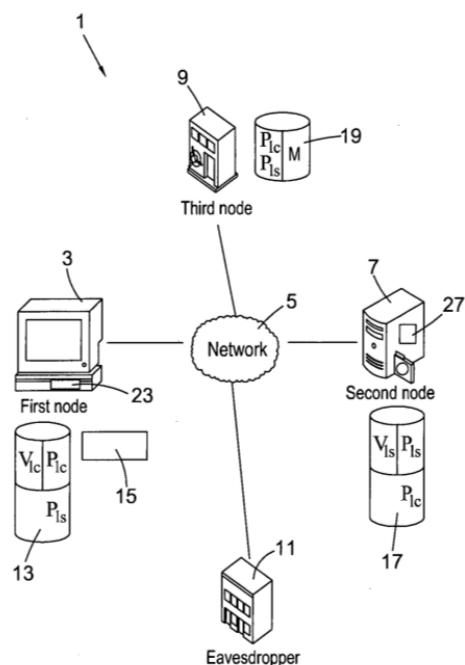
33: GB 31: 1605026.2 32: 2016-03-24

33: GB 31: 1619301.3 32: 2016-11-15

**54: SECURE MULTIPARTY LOSS RESISTANT
STORAGE AND TRANSFER OF
CRYPTOGRAPHIC KEYS FOR BLOCKCHAIN
BASED SYSTEMS IN CONJUNCTION WITH A
WALLET MANAGEMENT SYSTEM**

00: -

The invention provides a computer-implemented solution for controlling access to a computer-related resource such as, for example, a digital wallet. In one or more embodiments, the wallet may be implemented using a blockchain such as the Bitcoin blockchain but the invention is not limited in this regard. Use of the invention during the initial set-up



21: 2020/03776. 22: 2020/06/22. 43: 2021/10/29

51: C05F; C05G

71: Agro Innovation International

72: YVIN, Jean-Claude, ARKOUN, Mustapha

33: FR 31: 1763157 32: 2017-12-22

54: STIMULATION OF THE NITRIFICATION OF A SOIL WITH COMPOUNDS COMPRISING A PLANT EXTRACT

00: -

The invention relates to the use of an amender composition comprising an extract of Cynara leaves for stimulating the nitrification of a soil, to a method for stimulating the nitrification of a soil with an amender composition comprising an extract of Cynara leaves and to an amender composition comprising an extract of Cynara leaves and one or more compound(s) chosen from (i) a calcium-containing basic amender, (ii) a yeast extract, and (iii) an extract of a leguminous plant of the family Fabaceae.

21: 2020/03807. 22: 2020/06/23. 43: 2021/10/29

51: D21H

71: Stora Enso OYJ

72: BACKFOLK, Kaj, HEISKANEN, Isto, SAUKKONEN, Esa, KANKKUNEN, Jukka, NYBERG ZETTERLUND, Anna, LIF, Jan

33: SE 31: 1850123-9 32: 2018-02-02

54: PROCESS FOR PRODUCTION OF FILM COMPRISING MICROFIBRILLATED CELLULOSE

00: -

The present invention relates to a process for manufacturing a film comprising high amounts of microfibrillated cellulose (MFC), having haptic properties. According to the present invention, a wet web comprising MFC is formed, followed by addition of particles having an average diameter of at least 1 μm to the wet web, followed by dewatering and/or drying. The wet web may be formed for example by wet laid or cast forming methods. The particles may be added to the wet web for example by cast coating or spraying.

21: 2020/03808. 22: 2020/06/23. 43: 2021/11/09

51: A61K; A61P; C07D

71: Dizal (Jiangsu) Pharmaceutical Co., Ltd

72: LI, Zhengtao, ZOU, Hao, ZHU, Wei, SHEN, Changmao, WANG, Rumin, LIU, Wengeng, CHEN, Xiang, TSUI, Honchung, YANG, Zhenfan, ZHANG, Xiaolin

33: PCT/CN 31: 2018/074791 32: 2018-01-31

54: ERBB/BTK INHIBITORS

00: -

Disclosed are compounds inhibiting ErbBs (e. g., EGFR or Her 2), especially mutant forms of ErbBs, and BTK, pharmaceutically acceptable salts, hydrates, solvates or stereoisomers thereof and pharmaceutical compositions comprising the compounds. The compound and the pharmaceutical composition can effectively treat ErbBs (especially mutant forms of ErbBs) or BTK associated diseases, including cancer.

21: 2020/03833. 22: 2020/06/24. 43: 2021/11/09

51: A61K; C07H; C12N; A61P

71: SUZHOU RIBO LIFE SCIENCE CO., LTD

72: ZHANG, Hongyan, YANG, Zhiwei, CAO, Liqiang, WANG, Liangyi

33: CN 31: 201711479058.9 32: 2017-12-29

33: CN 31: 201811165363.5 32: 2018-09-30

54: CONJUGATES AND PREPARATION AND USE THEREOF

00: -

Disclosed are a compound for forming a conjugate with an active agent such as an oligonucleotide having a structure represented by Formula (321), and a corresponding conjugate. The conjugate can specifically target hepatocytes, thereby effectively solves the problems associated with delivery of oligonucleotide drugs in vivo, and has low toxicity

and excellent delivery efficiency while maintaining high stability for the delivered oligonucleotide.

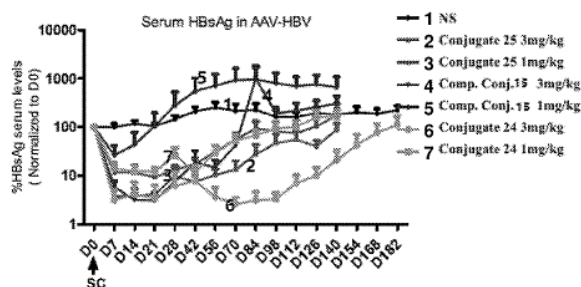
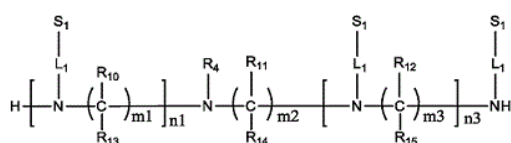
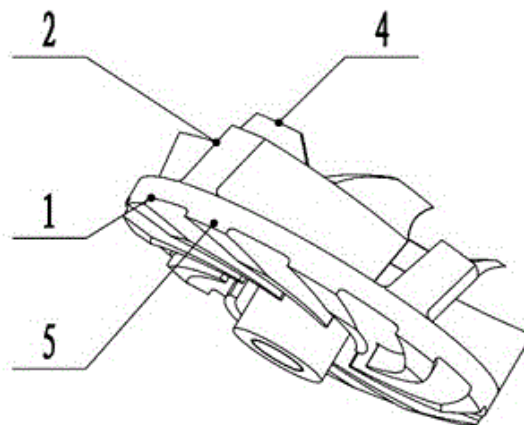


Fig. 16



Formula (321)



21: 2020/04043. 22: 2020/07/02. 43: 2021/11/09
51: B29C; B32B

71: XTEK LTD

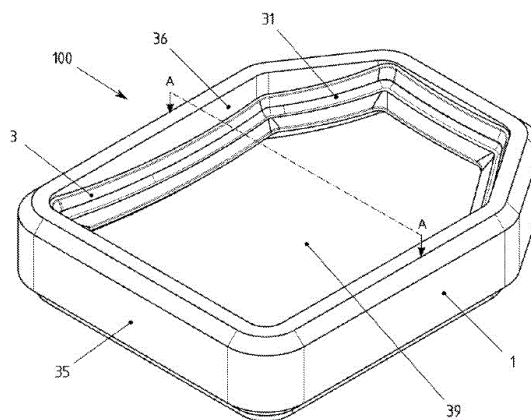
72: THOMPSON, David

33: AU 31: 2017905053 32: 2017-12-18

54: ISOSTATIC SIDE-PRESSURE SHIELDED COMPOSITE CONSOLIDATION

00: -

A mold for use in the production of a ballistic article from a composite laminate stacked material wherein the mold has a sliding sealing section that nests with a outer permitter section and base portion so as to shield the sides of the composite laminate stacked material from applied isostatic pressure applied when in an autoclave. By shielding the sides of the composite laminate stacked material excess resin matrix material can be forced from the composite laminate stacked material to provide a uniform composite article with reduced weight and reduced thickness.



21: 2020/04070. 22: 2020/07/03. 43: 2021/11/09
51: A23L; C08B; C12P

21: 2020/03839. 22: 2020/06/24. 43: 2021/11/29
51: F04D

71: SANLIANPUMP INDUSTRY CO., LTD.

72: HE, XIANGYAN, DONG, XIAOHUA, SUN,
GUOZHENG, MA, JUNLING, GAO, FANGHONG

33: CN 31: 201910130067.X 32: 2019-02-21

54: SOLID-LIQUID TWO-PHASE FLUID STIRRING IMPELLER

00: -

The present invention discloses a solid-liquid two-phase fluid stirring impeller, and relates to the technical field of solid-liquid two-phase fluid impurity pumps, comprising a front-end stirring blade, which can be used to drain and convey high-viscous substances with solid particles which are easily clogged so that the substances flow out smoothly. A twisted blade is provided in an open and closed impeller, which axially extends from a suction inlet on a conical hub body. A cylindrical blade is provided at the rear end. The radius of the blade is gradually increased to form a spiral flow channel. The impeller is designed with five same cylindrical first centrifugal impellers distributed uniformly. Further, the front end of the first centrifugal impeller is designed with a propeller-type stirring blade. Further, the rear cover plate of the first centrifugal impeller is designed with a pressure-reducing back blade.

71: Société des Produits Nestlé S.A.

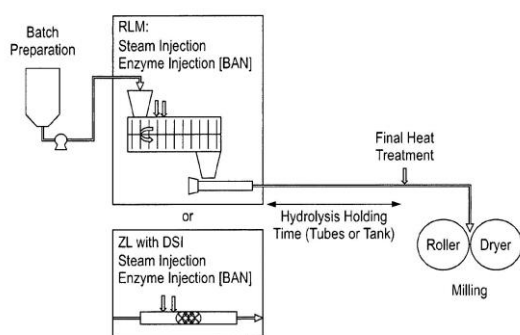
72: CHANVRIER, Hélène Michèle Jeanne, DO,
Tram Anh Line, FROST, Jovyn Kye Tyng, SIEVERT,
Dietmar August Gustav

33: EP(CH) 31: 17207572.3 32: 2017-12-15

54: PROCESS FOR SUGAR MODULATION

00: -

The present invention relates to a method for producing a food product comprising hydrolysed starch, as well as to products obtainable by the method. The method has the advantage of reducing the amount of sugar (i.e. maltose) produced by hydrolysis as compared to conventional methods of starch hydrolysis and present the additional advantage of providing good processability for the food product.



21: 2020/04104. 22: 2020/07/06. 43: 2021/10/26

51: A61K

71: DERMAVANT SCIENCES GMBH

72: EVANS, Charles, Rodney, Greenaway,
STEVENSON, Cameron, Robert, BROWN, Marc,
Barry

33: US 31: 62/615,261 32: 2018-01-09

33: US 31: 62/686,509 32: 2018-06-18

33: US 31: 62/765,133 32: 2018-08-16

33: US 31: 62/772,415 32: 2018-11-28

54: CERDULATINIB-CONTAINING TOPICAL SKIN PHARMACEUTICAL COMPOSITIONS AND USES THEREOF

00: -

Embodiments of topical formulations for administering cerdulatinib or a pharmaceutically acceptable salt, hydrate or solvate thereof are disclosed. Embodiments of methods for preparing the topical formulations are also disclosed. The disclosed formulations are suitable for the treatment of dermatologic conditions such as atopic dermatitis.

51: A61K; A61Q

71: Johnson & Johnson Consumer Inc.

72: QUEIROZ, Daniel, TESTER, Chantel, GIANO,
Michael C., CHEN, Rebecca, GAMBOGI, Robert J.

33: US 31: 15/834,160 32: 2017-12-07

54: ORAL CARE COMPOSITION

00: -

Provided are compositions comprising an orally-acceptable carrier and a cationic copolymer derived from the polymerization of n-vinyl pyrrolidone (VP) with cationic monomers containing amines or by copolymerization of n-vinyl pyrrolidone (VP) monomers with cationic monomers comprising amides followed by deprotection to amines. Also provided are uses of such compounds in the oral cavity to inhibit demineralization of a tooth.

21: 2020/04122. 22: 2020/07/06. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

72: DO, TAI, ALRIKSSON, PETER, NILSSON,
THOMAS

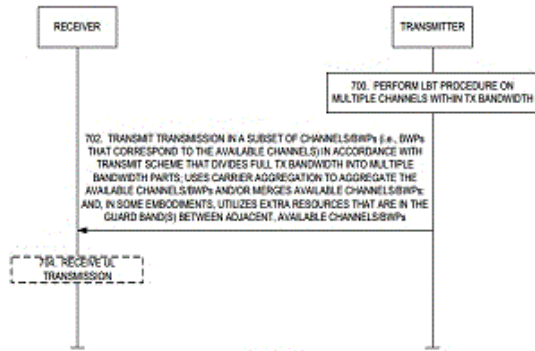
33: US 31: 62/615,675 32: 2018-01-10

54: METHODS FOR EFFICIENT USE OF UNLICENSED SPECTRUM

00: -

Systems and methods for efficient use of unlicensed spectrum are disclosed. In some embodiments, a method performed by a transmitter comprises performing a Listen-Before-Talk (LBT) procedure for a channels within a transmit bandwidth of the transmit node, where the transmit bandwidth is divided into a bandwidth parts that correspond to the channels. The method further comprises transmitting a transmission in a subset of the bandwidth parts that correspond to a subset of the channels determined, based on a result of the LBT procedure, to be available. Transmitting the transmission comprises transmitting the transmission in accordance with a transmit scheme that uses carrier aggregation and/or carrier merging to transmit the transmission on the subset of the bandwidth parts and uses resources in one or more guard bands between two or more adjacent bandwidth parts from among the subset of the bandwidth parts.

21: 2020/04108. 22: 2020/07/06. 43: 2021/11/09



21: 2020/04156. 22: 2020/07/07. 43: 2021/11/09
51: B60L; B60M

71: RAILWAY METRICS AND DYNAMICS
SWEDEN AB

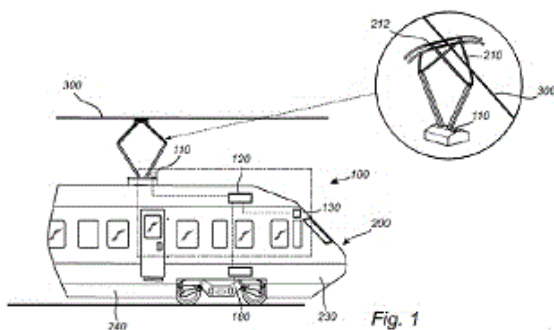
72: LINDQVIST, JAN

33: SE 31: 1751530-5 32: 2017-12-12

**54: DETECTION OF MAINTENANCE STATUS
FOR A PANTOGRAPH AND/OR A CONTACT
WIRE**

00: -

According to a first aspect of the invention, a method (400) for determining a maintenance status for a pantograph arranged on a vehicle and/or a contact wire intended to be in electrical contact with the pantograph is provided. The method comprises the steps of monitoring at least longitudinal, vertical or lateral accelerations of the pantograph, detecting an acceleration pattern based on the monitored accelerations; and determining accelerations in a direction above a predetermined value in the detected acceleration pattern. The method further comprises determining a maintenance status for the pantograph and/or the contact wire based on the detected acceleration pattern, and wherein the maintenance status indicates a level of wear on the pantograph and/or the contact wire. According to a second aspect a corresponding system is provided.



21: 2020/04157. 22: 2020/07/07. 43: 2021/09/28
51: E01B

71: voestalpine Railway Systems Nortak LLC and
voestalpine VAE GmbH.

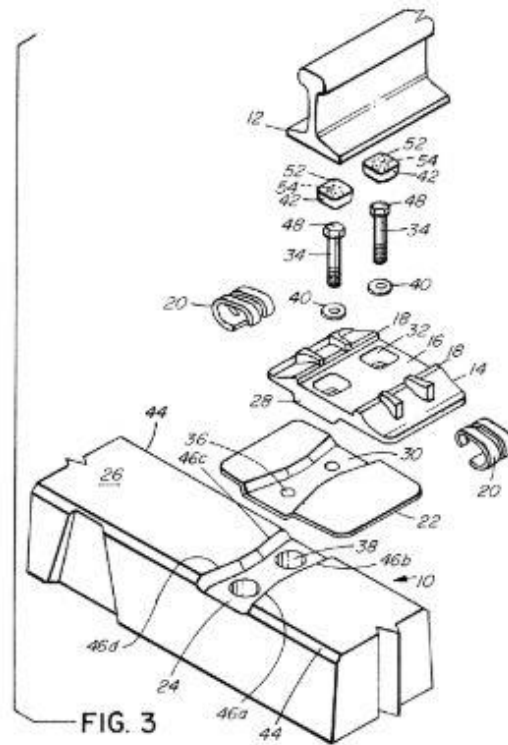
72: MATTSON, Steven, R, LESHER, Scott, D

33: US 31: 15/867,623 32: 2018-01-10

54: KEYWAY TIE

00: -

A tie having a non-linear keyway under the overlying rail to provide support to restrain lateral and longitudinal movement of the rail. A fastening system to hold rails down on a tie comprises a rail plate that may be fastened to the tie within the keyway. The fasteners are protected to avoid damage in case of a derailment or other adverse conditions. Also disclosed are visual inspection mechanisms to assist with determining whether a fastening system is securely attached to the tie.



21: 2020/04182. 22: 2020/07/08. 43: 2021/11/09
51: A01N; A01P

71: ECOLOGIA Y PROTECCION AGRICOLA, S.L.

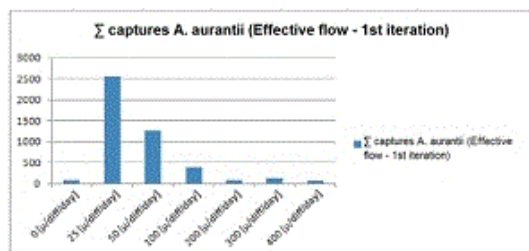
72: NAVARRO FUERTES, ISMAEL, VACAS
GONZÁLEZ, SANDRA, NAVARRO LLOPIS,
VICENTE, MARZO BARGUÉS, JAVIER, PRIMO
MILLO, JAIME, CARBONELL GARCIA,
ALEJANDRO

33: ES 31: P201731480 32: 2017-12-27

54: METHOD FOR EFFECTIVELY CONTROLLING COCCOIDEA INSECT PESTS

00: -

The present invention relates to a method for determining the effective flow rate of at least one semiochemical for the control of at least one Coccoidea insect pest using an artificial semiochemical matrix, and the use of the effective flow rate for effectively controlling at least one Coccoidea insect pest by diffusion of at least one semiochemical.



21: 2020/04202. 22: 2020/07/09. 43: 2021/10/26

51: H02J; H02M

71: INGTEAM POWER TECHNOLOGY, S.A.

72: BALDA BELZUNEGUI, Julián, GONZALEZ SENOSIAIN, Roberto

33: ES 31: PCT/ES2018/070095 32: 2018-02-12

54: ELECTRICAL POWER CONVERSION SYSTEM AND ASSOCIATED METHOD

00: -

The invention relates to a conversion system (100) with a DC side and an AC side, and to an associated control method. The system (100) comprises a primary conversion block (1), a secondary conversion block (2) and a transformer block (3) with at least one primary winding (3.1) connected to the primary conversion block (1) and a secondary winding (3.2R, 3.2S, 3.2T) for each phase (R, S, T), the secondary windings being connected to the secondary conversion block (2). Each conversion block (1, 2) comprises a plurality of controllable switches, and the system (100) comprises a controller (4) in communication with said switches and configured to cause the switches to open and close in a controlled and coordinated manner.

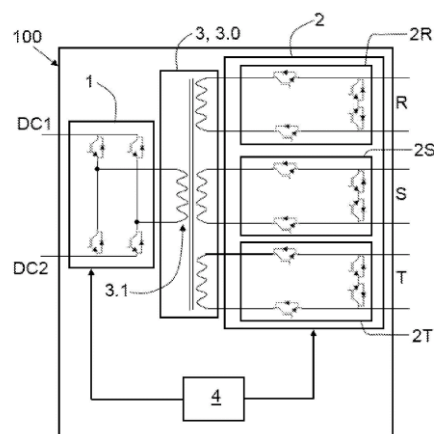


Fig. 2

21: 2020/04203. 22: 2020/07/09. 43: 2021/10/26

51: H01G; H01L

71: TERMO-IND S.A.

72: MAGAGNIN, Luca, IEFFA, Simona, ACCOGLI, Alessandra, PANZERI, Gabriele, LIBERALE, Francesco, TIRELLA, Vincenzo, GIBERTINI, Eugenio, SUCCA, Luca, BRUNETTI, Simone

33: EP 31: PCT/EP2017/083786 32: 2017-12-20

54: ACTIVE MATERIAL AND ELECTRIC POWER GENERATOR CONTAINING IT

00: -

The invention relates to an electric power generator (EPG) comprising at least a first electrode (11) and a second electrode (12), wherein the electric power generator comprises an active material between said electrodes (11,12), said active material comprising at least one oxygen-containing compound selected from the group consisting of MgO, ZnO, ZrOCl₂, ZrO₂, SiO₂, Bi₂O₃, Fe₃O₄, Al₂O₃, TiO₂, B₂O, CaO, Ga₂O₃, In₂O₃, GeO₂, SnO₂ and PbO₂, wherein the particle size of the oxygen-containing compound has an average diameter in the range from 10 nm to 40 μm and wherein a thickener additive selected from the group consisting of agar agar, xanthan gum, methyl cellulose, and arabic gum is absent.

21: 2020/04228. 22: 2020/07/10. 43: 2021/10/26

51: F16G

71: Gripple Limited

72: GIEMZA, Lee

33: GB 31: GB1700691.7 32: 2017-01-16

54: SECURING DEVICE

00: -

A securing arrangement (10) comprises an elongate article (14) and a securing device (12). The securing device (12) has a body (20) and first and second clamping members (28) within the body (20) for clamping the elongate article (14). The clamping members (28) are disposed in an opposed position relative to one another. The elongate article (14) comprises a plurality of strands (16A – 16F) wound around one another in a plurality of turns of each strand. Each strand (16A – 16F) has substantially the same pitch as each other strand, and each clamping member (28) has an engaging surface (57) for engaging the elongate article (14). Each

engaging surface (57) is configured to engage half or more of the total number of strands forming the elongate article (14).

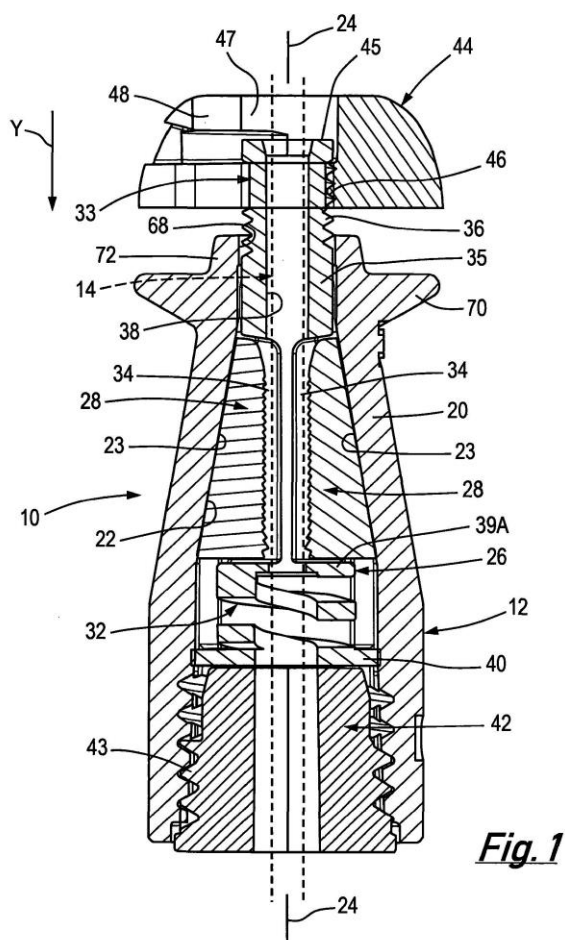


Fig. 1

21: 2020/04233. 22: 2020/07/10. 43: 2021/11/09
51: C12M

71: LOCUS IP COMPANY, LLC

72: FARMER, Sean, ALIBEK, Ken, DIXON, Tyler, CALLOW, Nicholas, ADAMS, Kent, KARATHUR, Karthik, N.

33: US 31: 62/611,300 32: 2017-12-28

54: REACTORS AND SUBMERGED FERMENTATION METHODS FOR PRODUCING MICROBE-BASED PRODUCTS

00: -

Embodiments of the present invention provide novel, low-cost fermentation systems and methods of their use. More specifically, the present invention provides biological reactor systems for fermenting a wide variety of, for example, bio level 1 microorganisms with very high cell densities. The

reactor systems can be used to grow yeast, fungi and bacteria, as well as growth by-products thereof. In specific embodiments, the reactor systems are used to produce yeast-based compositions. In certain specific embodiments, the reactor systems can be used for the production of *Starmerella bombicola* yeast compositions.

21: 2020/04239. 22: 2020/07/10. 43: 2021/11/09

51: A61F; A61L; B32B; C08G; C08L

71: POLYNOVO BIOMATERIALS PTY LIMITED

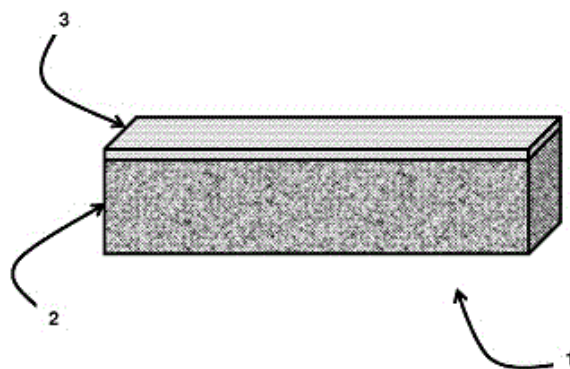
72: MOORE, TIMOTHY GRAEME

33: AU 31: 2017905176 32: 2017-12-22

54: TISSUE REPAIR LAMINATES

00: -

There are provided tissue repair laminates which promote cellular in-growth but also prevent or mitigate tissue adhesion. The laminates comprise a biodegradable polyurethane foam layer which facilitates cellular infiltration and a polyurethane barrier layer which is non-adhesive to tissue. The laminates resist shrinkage under in vivo conditions and possess desirable mechanical properties. The laminates find use in, for example, the repair of herniated tissue, particularly, but not limited to hernias in the abdominal wall.



21: 2020/04290. 22: 2020/07/13. 43: 2021/11/09

51: C09K; F25B

71: DAIKIN INDUSTRIES, LTD.

72: ITANO, MITSUSHI, KARUBE, DAISUKE, YOTSUMOTO, YUUKI, TAKAHASHI, KAZUHIRO, TAKAKUWA, TATSUYA, KOMATSU, YUZO

33: JP 31: 2017-242183 32: 2017-12-18

54: REFRIGERANT-CONTAINING COMPOSITION, USE THEREOF, REFRIGERATING MACHINE HAVING SAME, AND METHOD FOR OPERATING SAID REFRIGERATING MACHINE

00: -

The present invention addresses the problem of providing a mixed refrigerant having a combination of four types of performances, that is, the coefficient of performance and refrigeration capacity thereof equivalent to those of R410A, a sufficiently small GWP, and slight flammability (2L class) according to the ASHRAE standard. A means for solving the problem is to provide a composition including a refrigerant, wherein the refrigerant contains 99.5 mass% or more of the sum of trans-1,2-difluoroethylene (HFO-1132 (E)) and trifluoroethylene (HFO-1123) with respect to the entire refrigerant, and also contains 62.0-72.0 mass% of HFO-1132 (E) with respect to the entire refrigerant.

21: 2020/04327. 22: 2020/07/14. 43: 2021/11/09

51: A61K; A61P

71: KYOTO UNIVERSITY, ASTELLAS PHARMA INC.

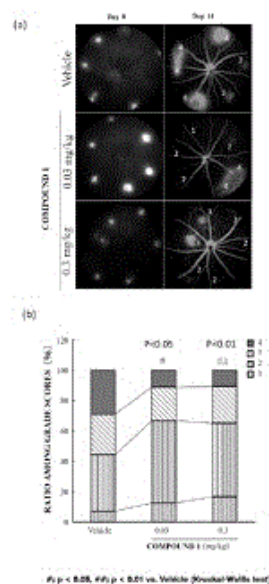
72: HARA, HIDEAKI, NARUMIYA, SHUH, AOKI, TOMOHIRO, ARAMORI, ICHIRO, YAMAMOTO, RIE
33: JP 31: 2018-016911 32: 2018-02-02

54: MEDICINE FOR PREVENTING OR TREATING OPHTHALMIC DISEASE ASSOCIATED WITH ENHANCED INTRAOCULAR NEOVASCULARIZATION AND/OR INTRAOCULAR VASCULAR PERMEABILITY

00: -

Provided is a pharmaceutical for preventing or treating an ophthalmic disease associated with intraocular neovascularization and/or increased intraocular vascular permeability. The inventors of the present invention have made investigations on a pharmaceutical for preventing or treating an ophthalmic disease associated with intraocular neovascularization and/or increased intraocular vascular permeability, and have confirmed that a selective S1P receptor agonist having agonist activity at an S1P₁ receptor has an intraocular neovascularization-reducing action and an intraocular vascular permeability-reducing action, thus completing the present invention. A compound or a pharmaceutically acceptable salt thereof of the present invention, which serves as the selective S1P receptor agonist having agonist activity at the S1P₁ receptor, has an intraocular neovascularization-reducing action and an intraocular vascular permeability-reducing action, and can be used as a

preventive and/or therapeutic agent for, for example, exudative age-related macular degeneration, diabetic retinopathy, diabetic macular edema, myopic choroidal neovascularization, retinal artery occlusion, retinal vein occlusion, or neovascular glaucoma.



21: 2020/04329. 22: 2020/07/14. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

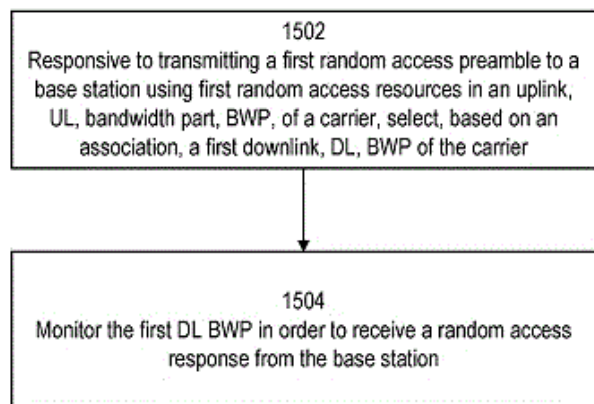
72: HOFSTRÖM, BJÖRN, CHRISTOFFERSSON, JAN, WANG, MIN

33: US 31: 62/631,249 32: 2018-02-15

54: RANDOM ACCESS PROCEDURE

00: -

Embodiments described herein provide methods and apparatus for performing a random access procedure to access a wireless communications network. A method in a wireless device comprises responsive to transmitting a first random access preamble to a base station using first random access resources in an uplink, UL, bandwidth part, BWP, of a carrier: selecting, based on an association, a first downlink, DL, BWP of the carrier, wherein the association maps a plurality of DL BWPs of the carrier to different values of a parameter related to physical random access configurations and/or to different UL BWPs of the carrier; and monitoring the first DL BWP in order to receive a random access response from the base station.



21: 2020/04331. 22: 2020/07/14. 43: 2021/11/09
51: G21C; B01J

71: ELECTRICITE DE FRANCE

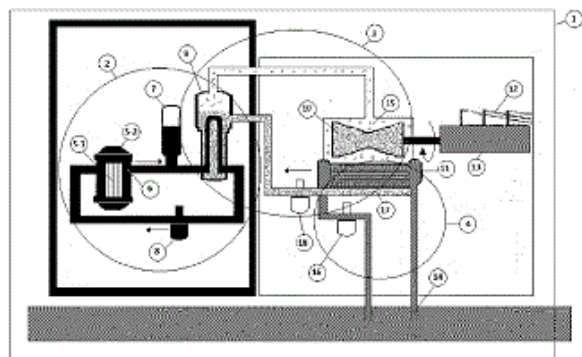
72: BOURGEOIS, CHRISTOPHE, RIOURY, ESTELLE

33: FR 31: 1762199 32: 2017-12-15

54: METHOD FOR IDENTIFYING THE UNIT CAUSING A RAW WATER LEAK IN A CONDENSER OF A THERMAL POWER PLANT

00: -

The present invention relates to a method for identifying the unit causing a raw water leak in a condenser of a thermal power plant consisting of n units.



21: 2020/04332. 22: 2020/07/14. 43: 2021/11/09
51: H04B; H04W

71: ST ENGINEERING IDIRECT, INC.

72: LE, NINH, VINJAMURI, MARUTHI RAM, GANUGAPETA, ARAVIND, COSTELLO, BRYAN
33: US 31: 15/873,345 32: 2018-01-17

54: SYSTEM AND METHOD FOR STAR AND MESH COMMUNICATIONS WITHIN A VERY SMALL APERTURE TERMINAL SYSTEM

00: -

A mesh receiver, computer readable storage medium and method for a very small aperture terminal (VSAT) performing communications in a satellite-based network. The mesh receiver includes a receiver that receives a plurality of TDMA mesh carriers simultaneously in the network in plural channels. The mesh carriers have a transmitted frequency, transmitted gain, and transmitted timing that is unknown to the mesh receiver. The mesh receiver also includes circuitry configured to blindly derive gain, frequency, and timing values from the received mesh carriers, and a demodulator that demodulates the received TDMA mesh carriers and generates demodulated bursts for packets of the communications based on the blindly derived gain, frequency, and timing values.

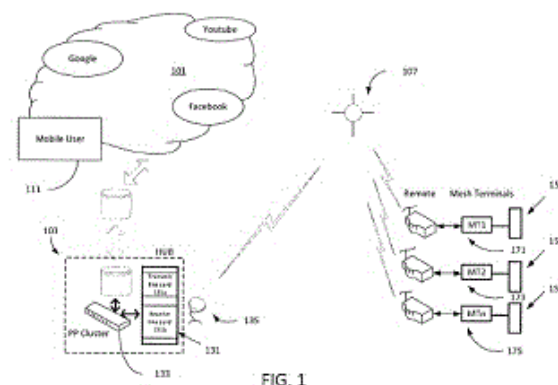


FIG. 1

21: 2020/04349. 22: 2020/07/15. 43: 2021/11/29
51: A01N; C07D

71: PI INDUSTRIES LTD.

72: MURUGAN, Sathishkumar, GURUSAMY, Renugadevi, WAGHULE, Gopalkrushna Tulshidas, ASHAMONI, Suresh, RATHOD, Kishor Singh, JHALA, Vikram Singh, KHAN, Uzma, EBHAD, Deepak Lahanya, VERMA, Anil Kumar, GARG, Ruchi, VENKATESHA, Hagalavadi M, KLAUSENER, Alexander G.M.

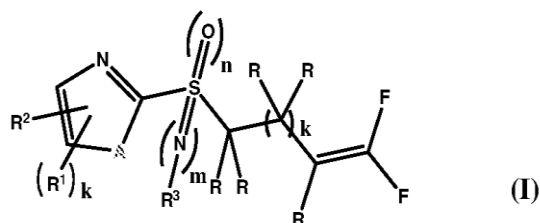
33: IN 31: 201711045940 32: 2017-12-20

54: FLUORALKENYL COMPOUNDS, PROCESS FOR PREPARATION AND USE THEREOF

00: -

The present invention disclosed fluoralkenyl compounds of general formula (I), wherein; R, R₁, R₂, R₃, A and integers n, m and k are as defined in description. The present invention further discloses use of the compounds of general formula (I) to protect crops by controlling or preventing against

undesired phytopathogenic microorganisms such as nematodes and phytopathogenic fungi.



21: 2020/04354. 22: 2020/07/15. 43: 2021/11/09
51: H04L: H04B

71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

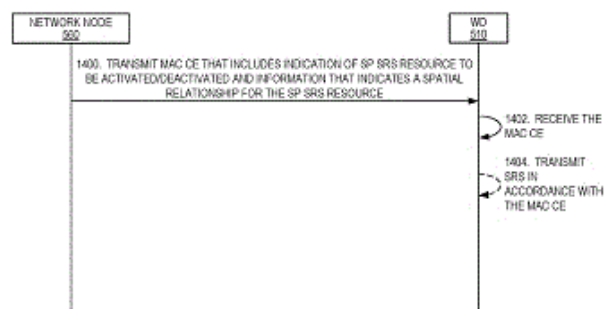
72: MÄÄTTÄNEN, HELKA-LIINA, FOLKE, MATS,
FAXÉR, SEBASTIAN

33: US 31: 62/631,243 32: 2018-02-15

54: EFFICIENT MAC CE INDICATION OF SPATIAL RELATION FOR SEMI-PERSISTENT SRS

00: -

Systems and methods for Semi-Persistent Sounding Reference Signal (SP SRS) resource activation or deactivation are disclosed. In some embodiments, a method of operation of a wireless device in a cellular communications network comprises receiving, from a network node, a Medium Access Control (MAC) Control Element (CE). The MAC CE comprises an indication of a SP SRS resource set to be activated or deactivated and information that indicates a spatial relation for the SP SRS resource set to be activated or deactivated. In this manner, a MAC CE for SP SRS resource set activation or deactivation is provided in a manner that gives spatial relation information in an efficient and flexible manner.



21: 2020/04356. 22: 2020/07/15. 43: 2021/11/09
51: D06F

71: UNILEVER PLC

72: COOKE, DEBORAH JANE, MOORFIELD,
DAVID, SHAW, KATHARINE JANE

33: US 31: 16/150,872 32: 2018-10-03

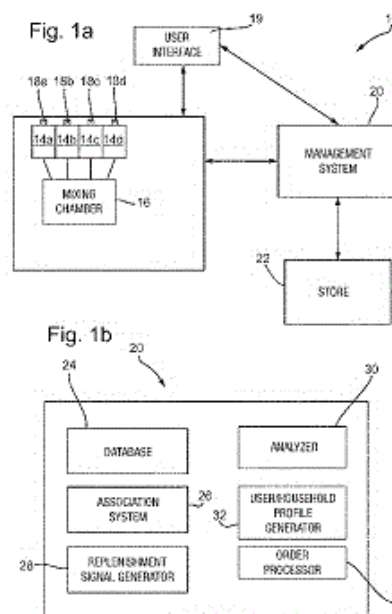
33: EP 31: 18162886.8 32: 2018-03-20

33: GB 31: 1803058.5 32: 2018-02-26

54: METHODS AND SYSTEM FOR MONITORING AND REPLENISHING ONE OR MORE LAUNDRY COMPONENTS

00: -

A method of supplying and replenishing a laundry dosing system with one or more reservoirs providing stocks of components for laundry includes monitoring consumption of each of the components in the one or more reservoirs; automatically determining when each one or more reservoirs need replenishment from the monitoring; and replenishing one or more components in response to a monitoring result.



21: 2020/04369. 22: 2020/07/16. 43: 2021/11/11
51: H04L

71: NCHAIN HOLDINGS LIMITED

72: WRIGHT, Craig Steven, SAVANAH, Stephane

33: GB 31: 1603112.2 32: 2016-02-23

33: GB 31: 1603114.8 32: 2016-02-23

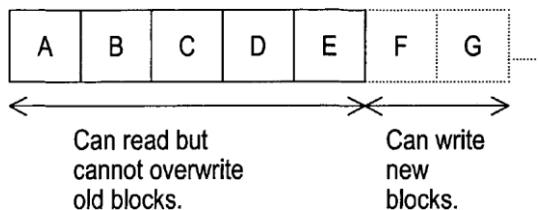
54: BLOCKCHAIN IMPLEMENTED COUNTING SYSTEM AND METHOD FOR USE IN SECURE VOTING AND DISTRIBUTION

00: -

This invention relates generally to blockchain implementations and is suited for, but not limited to, use with the Bitcoin blockchain. The invention

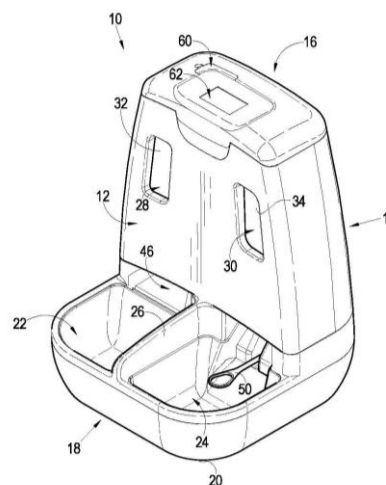
relates to a technical solution for managing a voting, counting, selection and/or decision making process. It can be used for the implementation of automated processes such as device/system control, process control, distributed computing and storage and others. The invention provides an event detecting, monitoring and/or counting mechanism. The event may be, for example, a vote, decision or selection which is made by a given entity. The invention provides a counting solution in which a computing resource, running simultaneously and in parallel to the blockchain, manages a loop-based operation. The computing resource continuously monitors the state of the blockchain as well as any other off-blockchain input data or source. The execution of the loop is influenced by the state of the blockchain. Each iteration of the loop that is executed by the computing resource is recorded in a transaction that is written to the blockchain. It is stored as a hash within the transaction's metadata. If the computing resource finds a transaction which contains a hash relating to the loop it accesses the relevant portion of code. The loop contains a conditional statement which enables the computing resource to decide which action to take. The condition may be dependent upon the state of the blockchain or any other data source. The action can be any type of action, on or off the blockchain. Thus, the combination of the computing resource and blockchain provide a Turing-complete solution.

Each cell represents a block or a transaction.
Letters A to G represents metadata.



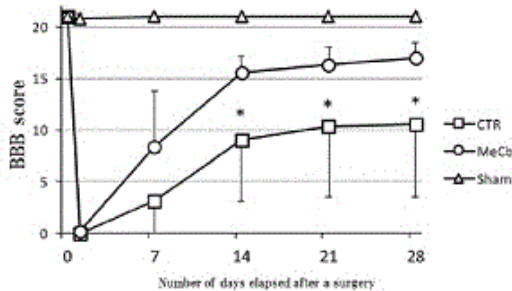
21: 2020/04411. 22: 2020/07/17. 43: 2021/11/18
51: A01K
71: NDLOVU, Tshupo
72: NDLOVU, Tshupo, BECKER, Leslie,
MAHOMED, Ebrahim, Bashir, VILJOEN, Marius,
PLOWKER, Yumna, MAGAGANE, Pako
33: ZA 31: 2017/06374 32: 2017-09-21
54: PET FEEDING DEVICE
00: -

A pet feeding device (10) is disclosed. The device includes at least one storage unit (32, 34), a dispensing arrangement, a communication unit and a control unit. The at least one storage unit (32, 34) is configured to store pet food and/or water. The dispensing arrangement is configured to dispense the pet food and/or water from the at least one storage unit. The communication unit is configured wirelessly to receive user input from a remote user device and to transmit at least one user notification to the remote user device. The user notification is at least one of a status notification, a dispensing notification and an alert notification. The control unit is communicatively coupled to the communication unit and is configured to transmit dispensing instructions to the dispensing arrangement. The dispensing instructions are based at least partially on the received user input.



21: 2020/04433. 22: 2020/07/17. 43: 2021/11/09
51: A61K; A61P; C07D
71: OSAKA UNIVERSITY, NIPPON ZOKI
PHARMACEUTICAL CO., LTD.
72: TANAKA, HIROYUKI, YOSHIKAWA, HIDEKI,
MOCHIZUKI, HIDEKI, MURASE, TSUYOSHI,
SASAKI, TSUTOMU, BABA, KOUSUKE,
IWAHASHI, TORU, NAIKI, MITSURU
33: JP 31: 2018-156503 32: 2018-08-23
33: JP 31: 2017-245133 32: 2017-12-21
**54: THERAPEUTIC AGENT FOR NERVOUS
SYSTEM DISEASE**
00: -
An object is to provide a drug which is useful in
treating a nervous system disease. A drug
containing vitamin B₁₂ as an active ingredient

according to the present invention has an M2 macrophage/microglia induction promoting effect, an M1 macrophage/microglia induction inhibiting effect, a nerve regeneration promoting effect, and the like and is very useful as a therapeutic agent for a nervous system disease, and particularly useful as a therapeutic agent for a central nervous system disease such as cerebral infarction, dementia, or spinal cord injury.



21: 2020/04435. 22: 2020/07/17. 43: 2021/11/09
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

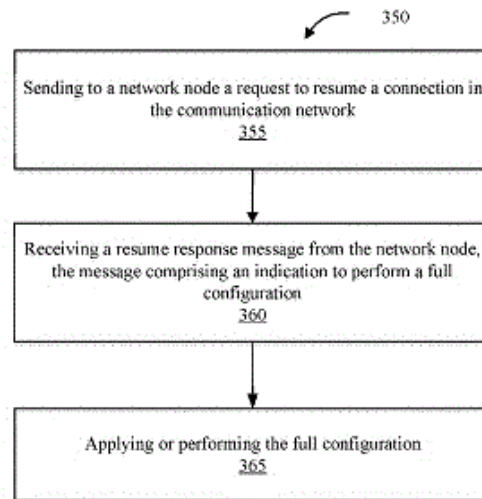
72: TEYEB, OUMER, MILDH, GUNNAR

33: US 31: 62/631,467 32: 2018-02-15

54: METHODS, NETWORK NODES, WIRELESS DEVICE AND COMPUTER PROGRAM PRODUCT FOR RESUMING A CONNECTION WITH FULL CONFIGURATION

00: -

A wireless device for resuming a connection in a communication network. The wireless device comprises a communication interface; and one or more processing circuits communicatively connected to the communication interface, the one or more processing circuits comprising at least one processor and memory, the memory containing instructions that, when executed, cause the at least one processor to: send to a network node a request to resume a connection in a communication network; receive a resume response message from the network node, the message comprising an indication to perform a full configuration; and apply the full configuration.



21: 2020/04452. 22: 2020/07/20. 43: 2021/11/09

51: F03B; F16C; G01B

71: ANDRITZ HYDRO CANADA INC.

72: ELAHI, Sarmad, WALE, Shawn, BYRNE, Ryan, WODOSLAWSKY, Andrew

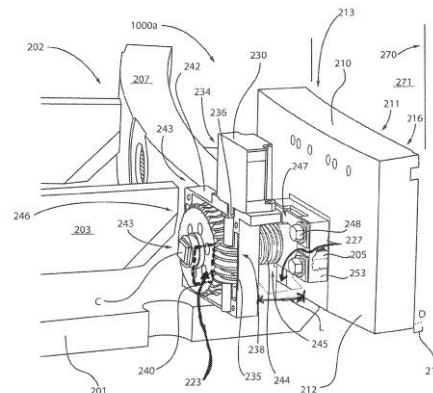
33: US 31: 62/751,033 32: 2018-10-26

33: US 31: 16/664,153 32: 2019-10-25

54: VARIABLE GUIDE BEARING

00: -

A guide bearing system including a pad adjuster to traverse at least one bearing in a direction to adjust a radial clearance. The system can further include a sensor for measuring deviations in the radial clearance. In some embodiments, the guide bearing system includes a controller that receives a distance signal from the sensor measuring the radial clearance and signals the pad adjuster to traverse the at least one bearing to compensate for the deviations in the radial clearance.



21: 2020/04462. 22: 2020/07/20. 43: 2021/11/09

51: C22B

71: ENGINEERING DOBERSEK GMBH

72: DOBERSEK, ALBIN, MISHINA, OLGA, WOTZKA, CĂSAR NORBERT, SANAKULOV, KUVANDIK, ERGASHEV, ULUGBEK, TRINKER, MAXIM

33: DE 31: 10 2018 108 860.4 32: 2018-04-13

33: DE 31: 10 2017 131 275.7 32: 2017-12-22

54: METHOD, UNIT AND PRECIOUS METAL EXTRACTION UNIT FOR IMPROVING THE YIELD IN PRECIOUS METAL EXTRACTION BY SORPTION-LEACHING PROCESSES

00: -

The invention relates to a process, a unit and a gold and/or silver extraction unit for improving the yield in a sorption-leaching process (10) for extracting precious metals, in which the efficiency of the process is limited in particular by the organic carbon and/or sulphide sulphur content in the raw material, such that quantitative residual amounts of precious metals remain in the sorption sludges produced during the sorption-leaching process (10); involving the steps of: processing of the sorption sludges in preparation for an oxidising roasting step (80), wherein the sorption sludges are dewatered (18), dried (24) and granulated (26); oxidising roasting (80) of said processed sorption sludges; and feeding of the roasted sorption sludges to a further leaching or sorption-leaching process (10).

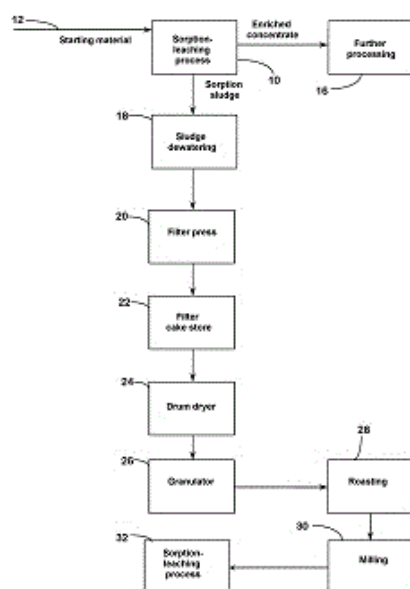


Fig. 1

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: MEDINA ACOSTA, GERARDO AGNI, SUI, YUTAO, LIBERG, OLOF, KHAN, TALHA

33: US 31: 62/627,171 32: 2018-02-06

54: FREQUENCY HOPPING FOR A RANDOM ACCESS PREAMBLE

00: -

Methods and apparatus for random access in a TDD NB-IoT system are provided to enable frequency errors at the user equipment and/ or base station to be accounted for, e.g., when determining time alignment or timing advance. In one embodiment, for example, the frequency hopping between symbol groups comprising the preamble enables the recipient of the random access preamble to cancel, nullify, or otherwise mitigate phase errors attributable to such frequency errors. This is achieved by transmitting a random access preamble with frequency hopping symbol groups one or more times using, wherein frequency hopping between the symbol groups includes at least a first upward hop by a first frequency distance, a first downward hop by the first frequency distance, a second upward hop by a second frequency distance different than the first frequency distance, and a second downward hop by the second frequency distance, wherein the random access preamble comprises multiple symbol groups, wherein each symbol group comprises a cyclic prefix followed by one or more symbols.

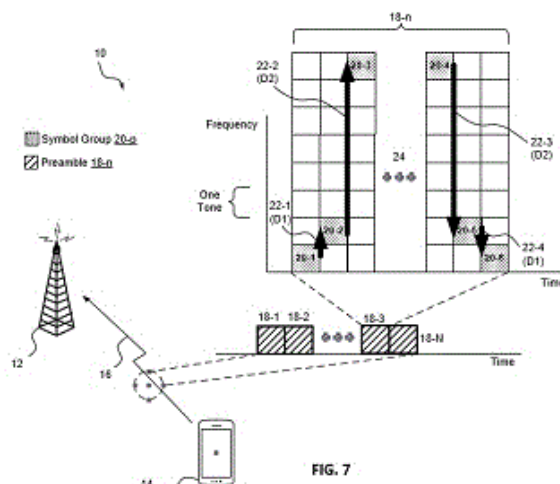


FIG. 7

21: 2020/04463. 22: 2020/07/20. 43: 2021/11/09

51: H04B

21: 2020/04465. 22: 2020/07/20. 43: 2021/11/09

51: A01K

71: QUINTÁ CORTIÑAS, ANDRÉS

72: QUINTÁ CORTIÑAS, ANDRÉS

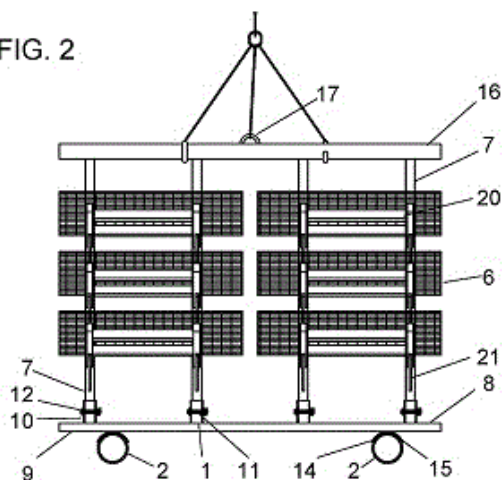
33: ES 31: P201731454 32: 2017-12-22

54: SYSTEM FOR FATTENING MOLLUSCS

00: -

The system includes support structures (1) having first connection elements (10) for the uprights (7) which form part of the components (4 and 5) for carrying the rearing compartments (6), and second connection elements (14) on the flotation tubes (2) of a moveable platform. The elements (10) and the uprights (7) are provided with corresponding openings (11 and 13) to be actuated by removable connection devices (12) in order to permit the retaining or releasing of the uprights (7). A crossbar (16), provided with a means for coupling (17), keeps the components (4 and 5) joined together providing a module (18) which can be easily handled and can be separated from the support structure (1) with the rearing compartments (6).

FIG. 2



21: 2020/04547. 22: 2020/07/22. 43: 2021/11/09

51: F04B

71: MAXIMATOR GMBH

72: STEPHAN, MARKUS, ADLER, ROBERT, FAHRTHOFER, GEORG, GRUBER, SARAH, NAGL, CHRISTOPH, RASCH, MARKUS, WILLIG, HENNING, HIMMELSTEIN, RENE

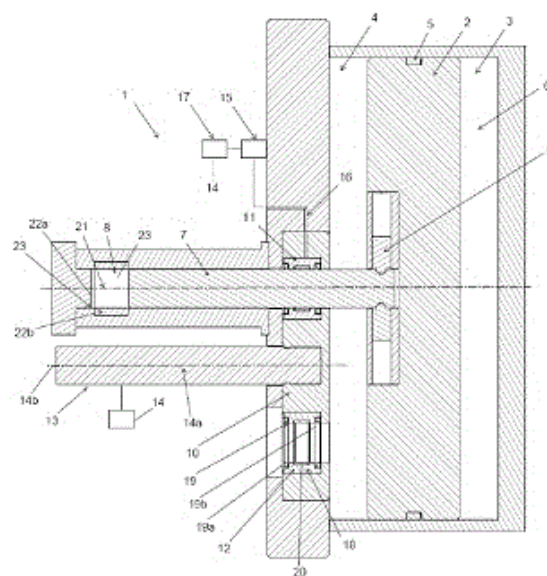
33: EP 31: 18152932.2 32: 2018-01-23

54: COMPRESSOR AND METHOD FOR COMPRESSING A WORKING MEDIUM

00: -

Compressor (1) and method for compressing a working medium, comprising the steps: - moving of a drive piston (2) which is driven by way of a driving

medium within a first cylinder (3) between a first end position and a second end position; - moving of a high pressure piston (7) which compresses the working medium within a second cylinder (8) between a first end position and a second end position, - arranging of a high pressure seal (11) for sealing the high pressure piston (7); - arranging of a magazine (10) with a receptacle (11a) for the high pressure seal (11) and with at least one replacement high pressure seal (12) in a first operating position, in which the high pressure piston (7) is sealed by way of the high pressure seal (11); - transferring of the magazine (10) from the first operating position into a second operating position, in which the high pressure piston (7) is sealed by way of the replacement high pressure seal (12).



21: 2020/04549. 22: 2020/07/22. 43: 2021/11/09

51: A61Q; A61K

71: UNILEVER PLC

72: HU, XIAOBO, LIU, JIANFEI, LOGANATHAN, CHANDERSEKAR, REN, WENQING

33: EP 31: 18162498.2 32: 2018-03-19

33: CN 31: PCT/CN2018/076641 32: 2018-02-13

54: POWDERY BASE COMPOSITION

00: -

Disclosed is a cosmetic powdery base composition comprising a fatty acid, an organic base, particle having an average diameter of from 1 to 50 microns, wherein the organic base is capable of providing a degree of neutralization of from 5 to 90% to the fatty acid, up to 100% of organic base is neutralized by

the fatty acid and the cosmetic powdery base composition is anhydrous.

21: 2020/04574. 22: 2020/07/23. 43: 2021/11/10

51: F01C; F04C

71: BMA BRAUNSCHWEIGISCHE

MASCHINENBAUANSTALT AG

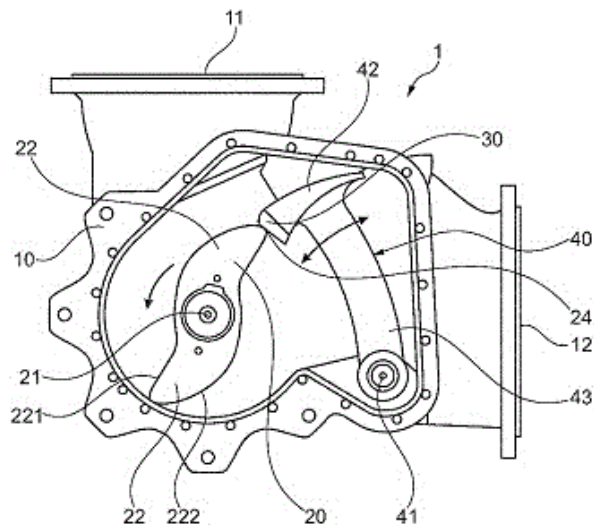
72: WESTENDARP, HANS-HEINRICH, ALJETS, FOLKER

33: DE 31: 10 2018 103 460.1 32: 2018-02-15

54: LOBE PUMP

00: -

The invention relates to a lobe pump having • a) a housing (10), which has an inlet (11) and an outlet (12) for the medium to be pumped, • b) at least one rotary piston (20), which is mounted driveably and rotatably in the housing (10) and which has at least two transport vanes (22) provided with a contour, which transport the medium to be conveyed from the inlet (11) to the outlet (12), • c) and a sealing element (30) per rotary piston (20), which sealing element is mounted on a sealing body (42) and runs against the contour of the rotary piston (20) as the rotary piston (20) rotates and performs a deployment movement from a minimum diameter of the rotary piston (20) to a maximum diameter of the rotary piston (20) and a retraction movement from the maximum diameter of the rotary piston (20) to the minimum diameter of the rotary piston (20) on different sides of the transport vanes (22), wherein • d) the path covered by the sealing element (30) on the infeed side (221) of the transport vane (22) during the retraction movement is shorter than the path on the outfeed side (222) during the deployment movement.



21: 2020/04577. 22: 2020/07/23. 43: 2021/11/09

51: C25C

71: CENTRAL SOUTH UNIVERSITY

72: LV, XIAOJUN, HAN, ZEXUN, ZHANG, HENGXING, WANG, WEIWEI, WEI, MINGREN, SUN, QIDONG

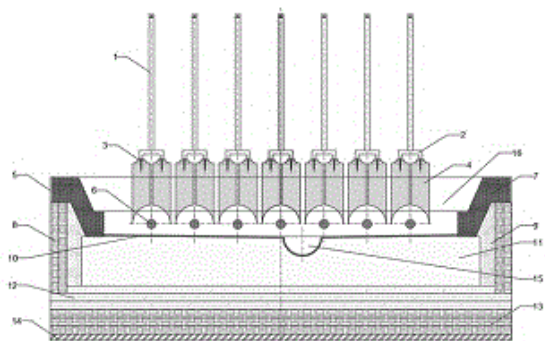
33: CN 31: 201711474369.6 32: 2017-12-29

33: CN 31: 201711474382.1 32: 2017-12-29

54: RARE EARTH METAL MOLTEN SALT ELECTROLYTIC CELL

00: -

A rare earth metal molten salt electrolytic cell, comprising a cell body provided with a lining structure. The lining structure comprises a bottom lining and a side lining. The bottom lining comprises a ceramic fiber layer, a bottom fire brick layer, an impervious layer, and a graphite layer sequentially stacked from bottom to top. The side lining is provided around the bottom lining and extends upwards above the graphite layer. The bottom lining and the side lining are combined to enclose into a cavity for an electrolysis reaction. Protective layers are covered on a top surface and an inner side surface of the side lining. The material selection and the layout of the lining structure of the rare earth metal molten salt electrolytic cell are reasonable. The electrolytic cell has good thermal equilibrium performance so that the heat loss can be effectively reduced, and the electrical energy efficiency is improved.



21: 2020/04653. 22: 2020/07/28. 43: 2021/11/09
 51: A61K; C07K; G01N
 71: TAKEDA PHARMACEUTICAL COMPANY LIMITED
 72: CHYUNG, YUNG, SEXTON, DANIEL J, TENHOOR, CHRISTOPHER, KENNISTON, JON A, FAUCETTE, RYAN, LARROBINO, RYAN, BIEDENKAPP, JOSEPH, ADELMAN, BURT
 33: US 31: 61/929,716 32: 2014-01-21
 33: US 31: 61/944,361 32: 2014-02-25
 33: US 31: 62/021,397 32: 2014-07-07
54: PLASMA KALLIKREIN BINDING PROTEINS AND USES THEREOF IN TREATING HEREDITARY ANGIOEDEMA

00: -
 Provided herein are plasma kallikrein binding proteins such as antibodies binding to active plasma kallikrein and methods of using such proteins in treating hereditary angioedema.

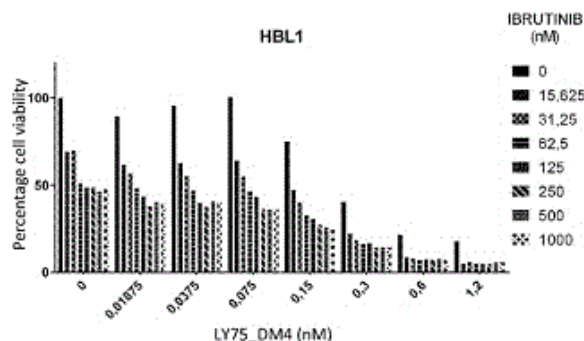
21: 2020/04658. 22: 2020/07/28. 43: 2021/10/29
 51: A61K; A61P; C07K
 71: Centro De Ingenieria Genetica Y Biotecnologia
 72: DOMÍNGUEZ HORTA, María del Carmen, LOPEZ ABAD, Cruz Matilde, GONZÁLEZ LÓPEZ, Luis Javier, BESADA PÉREZ, Vladimir Armando
 33: CU 31: 2017-0176 32: 2017-12-29
54: PHARMACEUTICAL COMPOSITION COMPRISING AN APL TYPE PEPTIDE

00: -
 The invention relates to a pharmaceutical composition comprising the APL peptide of SEQ ID No. 1, the sodium acetate buffer with a pH of 3.9-4.7, and at least one stabilising sugar selected from saccharose and trehalose. This pharmaceutical composition is useful for the treatment of inflammatory diseases associated with an increase of neutrophils or protein citrullination. These inflammatory diseases include rheumatoid arthritis (RA), juvenile chronic arthritis (JCA), ankylosing

spondylitis (AS), Alzheimer's disease and hepatic or pulmonary fibrosis. The invention also relates to a method for the treatment of these diseases by administration of a therapeutically effective dose of the pharmaceutical composition of the APL peptide of SEQ ID No. 1.

21: 2020/04675. 22: 2020/07/29. 43: 2021/11/09
 51: C07K; A61P; A61K
 71: BERLIN-CHEMIE AG
 72: BINASCHI, MONICA, BIGIONI, MARIO, MERLINO, GIUSEPPE, BERTONI, FRANCESCO, PELLACANI, ANDREA, SIMONELLI, CECILIA
 33: GB 31: 1703876.1 32: 2017-03-10
54: PHARMACEUTICAL COMBINATIONS COMPRISING AN ANTI-LY75 ANTIBODY
 00: -

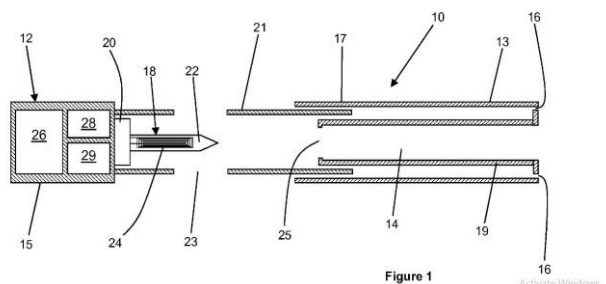
The present disclosure relates generally to the fields of immunology and molecular biology. More specifically, provided herein are pharmaceutical combinations comprising (A) antibodies, or antigen-binding portions thereof, directed against LY75, and (B) a second anti-cancer entity; nucleic acids encoding antibody combinations; methods for preparing antibody combinations; and methods for the treatment of diseases, such as cancers mediated by LY75 expression or activity.



21: 2020/04677. 22: 2020/07/29. 43: 2021/11/09
 51: A24F
 71: PHILIP MORRIS PRODUCTS S.A.
 72: UTHURRY, Jerome
 33: EP 31: 18168846.6 32: 2018-04-23
54: AN AEROSOL-GENERATING DEVICE HAVING TEMPERATURE-BASED CONTROL

00: -
 There is provided an aerosol-generating device (10) comprising a cavity (14) for receiving an aerosol-forming substrate (54) and an electrical heater (18)

arranged to heat an aerosol-forming substrate (54) when the aerosol-forming substrate (54) is received within the cavity (14). The aerosol-generating device (10) also comprises a power supply (26) and a controller (28) arranged to control a supply of power from the power supply (26) to the electrical heater (18) during a first time period and a second time period after the first time period. The controller (28) is also arranged to determine a rate of increase in temperature of the electrical heater (18) during the first time period by determining a time taken for a temperature of the electrical heater (18) to increase from a first predetermined temperature to a second predetermined temperature during the first time period. The controller (28) is also arranged to adjust the supply of power from the power supply (26) to the electrical heater (18) during the second time period based on the determined rate of increase in temperature during the first time period.



21: 2020/04682. 22: 2020/07/29. 43: 2021/11/29
51: C22B; F27B; F27D

71: Allan, J. MACRAE

72: Allan, J. MACRAE

54: LIQUID-COOLED CANTILEVER SUPPORT SHELF FOR UPPER TIERS OF REFRACTORY BRICK WALLS

00: -

At least one row of fixed copper coolers are arranged in a furnace in a cantilevered horizontal shelf inside and fastened to an external steel ring support and the steel containment shell. These shelves redirect and take all the weight of refractory brick and floating cooling blocks that are stacked on above. Each fixed copper cooler in the shelves cantilever shoulder-to-shoulder over any refractory brick and floating cooling blocks that may be stacked beneath to relieve that lower portion of the wall from the weight of the upper wall. When relieved of such weight, the risks of sudden catastrophic failure of the

lower walls is reduced. These bricks in the lower walls can also be allowed to wear and thin beyond what would be reasonable in a conventional design without any cantilevered shelving.

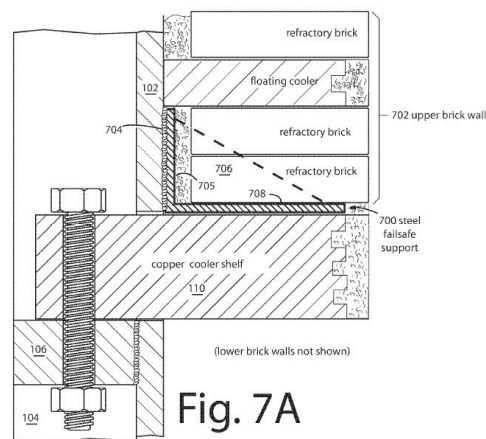


Fig. 7A

21: 2020/04703. 22: 2020/07/29. 43: 2021/11/09

51: A23L; A23B; C11B

71: UNILEVER PLC

72: GAH, CARMEN ISABELLA, JONAS, VOLKER, SPRAUL, MARTIN HELMUT

33: EP 31: 18161021.3 32: 2018-03-09

54: ANTIOXIDANT SYSTEM

00: -

The present invention relates to a composition comprising an antioxidant system, in particular for use as a food composition. In a first aspect the invention provides a composition comprising an antioxidant system obtainable by an extraction method comprising the steps of i) contacting an apolar extractant with a combination of plant powders to prepare an extract, wherein the combination of plant powders comprises: (1) ginger powder having a particle size of less than 800 μm , (2) sage powder having a particle size of less than 500 μm , (3) rosemary powder having a particle size of less than 500 μm , wherein the ginger powder (G), the sage powder (S), and the rosemary powder (R) are present in a weight ratio of G : S : R = 1 to 4 : 1 to 3 : 1 to 3; and ii) optionally separating the extract from at least part of the residue of the plant powders.

21: 2020/04706. 22: 2020/07/29. 43: 2021/11/09

51: A61K; A61Q

71: UNILEVER PLC

72: BAPAT, MOHINI ANAND, MAJUMDAR, AMITABHA, MATHAPATHI, MRUTHYUNJAYA SWAMY, RAUT, JANHAVI SANJAY
33: EP 31: 18161444.7 32: 2018-03-13

54: A SANITIZER COMPOSITION

00: -

The invention relates to a sanitizer composition for topical use, i.e. for application onto the human skin, especially on hands for instantaneous disinfection of the body part while imparting long lasting immunity benefit. The sanitizer composition comprising high amount of alcohol and vitamin B3 compound or a derivative thereof is seen to be hazy and this problem is solved by inclusion of specific type non-ionic surfactant.

21: 2020/04771. 22: 2020/07/31. 43: 2021/11/09

51: A61K; C07K

71: Tusk Therapeutics Ltd, Cancer Research Technology Limited

72: GOUBIER, Anne, GOYENECHEA CORZO, Beatriz, SALIMU, Josephine, MOULDER, Kevin, MERCHERS, Pascal, BROWN, Mark, GEOGHEGAN, James, PRINZ, Bianka, QUEZADA, Sergio

33: US 31: 62/642,218 32: 2018-03-13

33: GB 31: 1804028.7 32: 2018-03-13

33: GB 31: 1804027.9 32: 2018-03-13

33: PCT/EP(GB) 31: 2018/056312 32: 2018-03-13

33: US 31: 62/642,230 32: 2018-03-13

33: US 31: 62/642,232 32: 2018-03-13

33: GB 31: 1804029.5 32: 2018-03-13

33: US 31: 62/642,243 32: 2018-03-13

33: US 31: 62/642,248 32: 2018-03-13

54: ANTI-CD25 FOR TUMOUR SPECIFIC CELL DEPLETION

00: -

The present disclosure provides antibody sequences found in antibodies that bind to human CD25, in particular an anti CD25- a-686 antibody which do not block the binding of CD25 to IL-2 or IL-2 signalling.

The claimed antibody binds to the epitopes: NSSHSSWDNQCQCTS (70 to 84) on CD25

Antibodies and antigen- binding portions thereof including such sequences can be used in pharmaceutical compositions and methods of treatment, in particular for treating cancer.

21: 2020/04787. 22: 2020/07/31. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

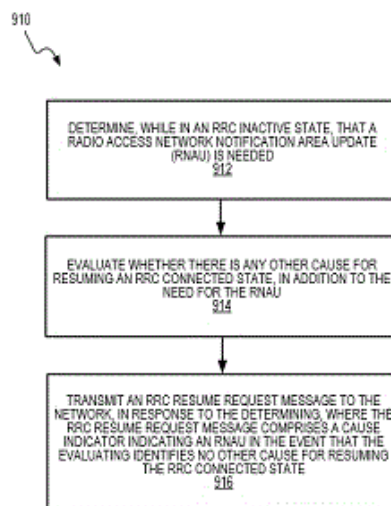
72: SCHLIWA-BERTLING, PAUL, LINDHEIMER, CHRISTOFER, MILDH, GUNNAR, DA SILVA, ICARO L. J

33: US 31: 62/630,656 32: 2018-02-14

54: TA UPDATE IN RRC_INACTIVE STATE

00: -

According to an aspect, a wireless device determines, while in an RRC Inactive state, that a Radio Access Network Notification Area Update, RNAU, is needed. The wireless device further evaluates whether there is any other cause for resuming an RRC connected state, in addition to the need for the RNAU. The wireless device transmits an RRC Resume Request message to the network, in response to the determining. The RRC Resume Request message includes a cause indicator indicating an RNAU as a cause for resuming a RRC Connected state in the event that said evaluating identifies no other cause for resuming the RRC connected state.



21: 2020/04788. 22: 2020/07/31. 43: 2021/11/09

51: A23B; A23L; C11B

71: UNILEVER PLC

72: GAH, CARMEN ISABELLA, JONAS, VOLKER, SPRAUL, MARTIN HELMUT

33: EP 31: 18161025.4 32: 2018-03-09

54: ANTIOXIDANT COMPOSITION

00: -

The present invention relates to compositions with antioxidant properties, in particular for use in food or as food. In a first aspect the invention provides a

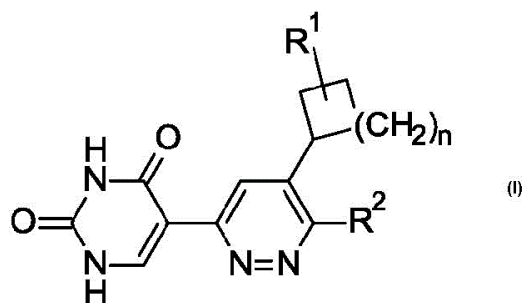
composition comprising ginger powder, sage powder, and rosemary powder; wherein the particles of the ginger powder have a size of less than 800 μm , and the sage powder and rosemary powder have a size of less than 500 μm ; and wherein the ginger powder (G), the sage powder (S), and the rosemary powder (R) are present in a weight ratio of $G : S : R = 1$ to $4 : 1$ to $3 : 1$ to 3 . The invention also relates to a method for improving the oxidative stability of a food composition and to use of a combination of ginger powder, sage powder, and rosemary powder as an antioxidant, wherein the particles of the ginger powder have a size of less than 800 μm , and the sage powder and rosemary powder have a size of less than 500 μm ; and wherein the ginger powder (G), the sage powder (S), and the rosemary powder (R) are present in a weight ratio of $G : S : R = 1$ to $4 : 1$ to $3 : 1$ to 3 .

21: 2020/04805. 22: 2020/08/03. 43: 2021/11/09
51: A61K; A61P; C07D
71: Eli Lilly and Company
72: DALLY, Robert Dean, GARCIA PAREDES, Maria Cristina, HEINZ II, Lawrence Joseph, HOWELL, Jennifer Marie, NJOROGE, Frank George, WANG, Yan, ZHAO, Genshi
33: US 31: 62/636,978 32: 2018-03-01

54: CD73 INHIBITORS

00: -

The present invention provides 5-[5]-[2-cycloalkyl]-6-pyridazin-3-yl]-1H-pyrimidine-2,4-dione compounds, or pharmaceutically acceptable salts thereof, that inhibit the activity of CD73 and are useful in treating cancer. (Formula (I))

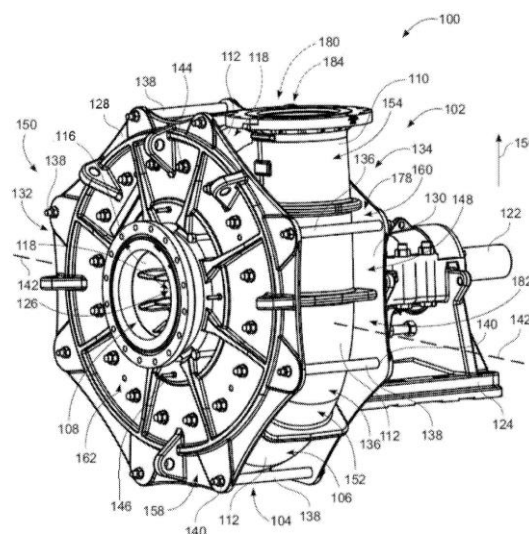


21: 2020/04829. 22: 2020/08/04. 43: 2021/11/19
51: F04D
71: Weir Slurry Group, Inc.
72: KOSMICKI, Randy James, VIAN, Jeffrey Charles
33: US 31: 62/626,494 32: 2018-02-05

54: TIE-ROD FRAME PLATE FOR CENTRIFUGAL PUMP

00: -

A universal frame plate is provided for centrifugal pumps that include a pump casing. The frame plate includes a hub configured to be selectively mounted to a first pump casing having a discharge outlet located on a first side or a second pump casing having the discharge outlet located on a second side that is opposite the first side. The first side segment extends radially outward from the hub. The first side segment is configured to cover a base of the discharge outlet of the first pump casing when the frame plate is mounted to the first pump casing. The second side segment extends radially outward from the hub along opposite radial directions relative to the first side segment. The second side segment is configured to cover the base of the discharge outlet of the second pump casing when the frame plate is mounted to the second pump casing.



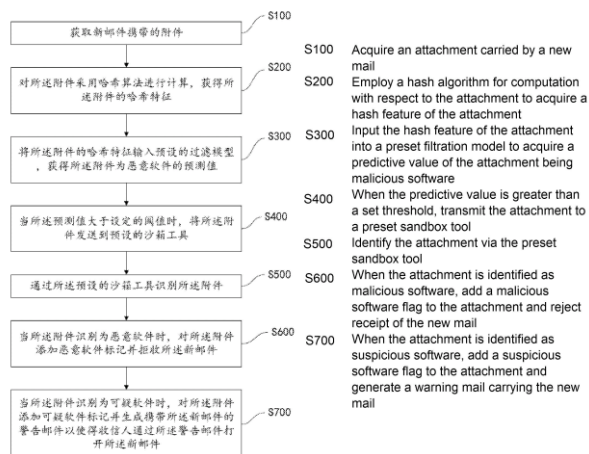
21: 2020/04846. 22: 2020/08/04. 43: 2021/11/19
51: H04L
71: LUNKR TECHNOLOGY (GUANGZHOU) CO., LTD.
72: CHEN, Leihua, PAN, Qingfeng, LI, Xiaowen
33: CN 31: 201810055496.0 32: 2018-01-19

54: METHOD, SYSTEM, AND DEVICE FOR MAIL MONITORING

00: -

Disclosed are a method, system, and device for mail monitoring. The method comprises: acquiring an attachment carried by a new mail; employing a hash

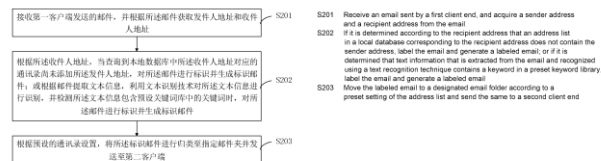
algorithm for computation with respect to the attachment to acquire a hash feature of the attachment; inputting the hash feature of the attachment into a preset filter model to acquire a predictive value of the attachment being malicious software; when the predictive value is greater than a set threshold, transmitting the attachment to a preset sandbox tool; identifying the attachment via the preset sandbox tool; when the attachment is identified as malicious software, adding a malicious software flag to the attachment and rejecting receipt of the new mail; and when the attachment is identified as suspicious software, adding a suspicious software flag to the attachment and generating a warning mail carrying the new mail. The method for mail monitoring allows quick and accurate identification of whether an attachment carried in a mail is malicious software and real-time filtration of any mail carrying malicious software, thus ensuring the security of a mail receiving end.



21: 2020/04847. 22: 2020/08/04. 43: 2021/11/09
 51: H04L
 71: LUNKR TECHNOLOGY (GUANGZHOU) CO., LTD.
 72: LIN, Yanzhong, XUAN, Dajian, WU, Yongfa
 33: CN 31: 201810149062.7 32: 2018-02-13
54: METHOD AND DEVICE FOR LABELING AND FILTERING EMAILS ON BASIS OF ADDRESS LIST, SERVER AND SYSTEM
 00: -

Disclosed in the present invention are a method and device for labeling and filtering emails on the basis of an address list, a server and a system. The

method comprises: receiving an email sent by a first client end, and acquiring a sender address and a recipient address from the email; if it is determined according to the recipient address that an address list in a local database corresponding to the recipient address does not contain the sender address, or if it is determined that text information that is extracted from the email and recognized using a text recognition technique contains a keyword in a preset keyword library, labeling the email and generating a labeled email; and moving the labeled email to a designated email folder according to a preset setting of the address list and sending the same to a second client end. The present invention can label an email sent from a stranger, move it directly to a designated email folder, or reply it directly, thereby improving working efficiency and user experience.



21: 2020/04864. 22: 2020/08/05. 43: 2021/11/09
 51: A21D
 71: PRESTER FOODS INC.
 72: OLADIWURA, ANGELA
 33: US 31: 62/627,079 32: 2018-02-06
54: DOUGH COMPOSITION AND PROCESS FOR MANUFACTURE
 00: -

A dough composition and manufacturing process suitable for a ketogenic diet, a low carbohydrate diet, a sugar-restricted diet, and/or a gluten-restricted diet. The dough composition comprises psyllium powder of 4 %wt.; gum of 2 %wt. to 4%wt.; pea protein of between 16-20 %wt.; pea fibre of between 18-49 %wt.; and chickpea flour of between 0-27 %wt. Another dough composition comprises cauliflower powder of between 0-8 %wt.; psyllium powder of between 5-10 %wt.; flax meal of between 0-10 %wt.; pea protein of between 15-36 %wt.; pea fibre of between 18-46.5 %wt.; and oat flour of between 0-25 %wt. Finally, another dough composition comprises psyllium powder of 10 %wt.; cauliflower powder of between 0-12.5 %wt.; pea protein of between 18-31.5 %wt.; pea fibre of

between 22-42 %wt.; baking powder of between 1-3.25 %wt.; and salt of between 0.75-1.7 %wt.

21: 2020/04865. 22: 2020/08/05. 43: 2021/11/09

51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

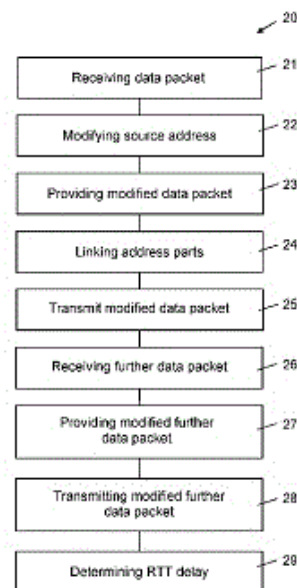
72: GOCHI GARCIA, IBON, MUÑOZ KIRSCHBERG, JAVIER

33: EP 31: 18382122.2 32: 2018-02-28

54: A METHOD OF DETERMINING PASSIVE ROUND TRIP TIME, RTT, DELAY IN A TELECOMMUNICATIONS SYSTEM

00: -

A method of determining a passive Round Trip Time, RTT, delay in a telecommunications system (1) for exchanging data packets (2a-2d) in accordance with a data transmission protocol between a first device (4) and a second device (6). The first device (4) identified by a first device identification, and the second device (6), identified by a second device identification. The data packets (2a-2d) comprising an address part (3) including a source address and a destination address. The method performed in a node (5) by modifying the address part (3) of a received data packet (2a) from a the first device (4), and creating a first timestamp, before transmitting the modified data packet (2b) to the second device (6). Upon receiving, at the node (5), from the second device (6) in response to the modified data packet (2b), a data packet (2c) having the modified address part (3) of the modified data packet (2b), creating a second timestamp at the node (5) provides for passively measuring the RTT delay.



21: 2020/04900. 22: 2020/08/07. 43: 2021/11/09

51: A01N; A01P

71: UNILEVER PLC

72: MITRA, RUPAK, MURALIDHARAN, GIRISH, PRAMANIK, AMITAVA, SARKAR, SAMARPITA, DAS, SOMNATH

33: EP 31: 18161216.9 32: 2018-03-12

54: AN ANTIMICROBIAL PARTICULATE COMPOSITION AND A PERSONAL CARE COMPOSITION COMPRISING THE SAME

00: -

The present invention relates to an antimicrobial particulate composition and a process for preparing the same. The invention also relates to a personal care composition comprising the antimicrobial particulate composition. The invention ensures desired efficacy on preparation at production scale while exhibiting a desired light coloured appearance of the composition.

21: 2020/04901. 22: 2020/08/07. 43: 2021/11/09

51: H04W; H04M

71: SHARP KABUSHIKI KAISHA

72: CHIBA, SHUICHIRO, ARAMOTO, MASAFUMI, TAKAKURA, TSUYOSHI

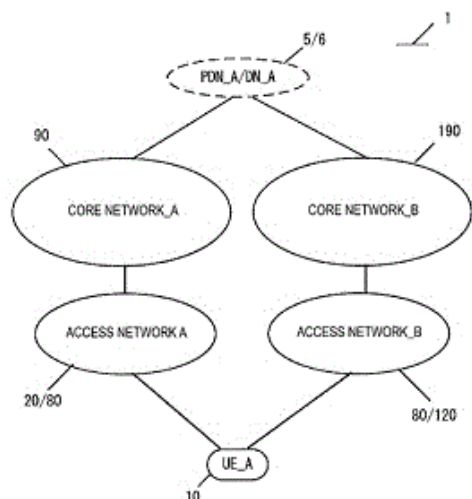
33: JP 31: 2018-003302 32: 2018-01-12

54: UE AND COMMUNICATION CONTROL METHOD FOR UE

00: -

In a case that a network (NW) applies a plurality of congestion controls, various kinds of congestion control identification information along with a back-off timer (Session Management (SM) timer) are

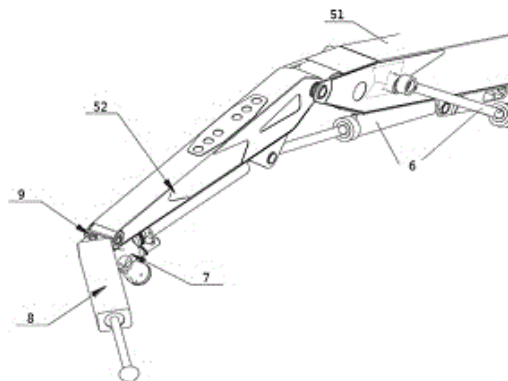
notified such that a terminal apparatus (UE) can apply a congestion control expected by the NW. Alternatively, in a case that the UE receives an NW-initiated SM request with the back-off timer activated, the UE is allowed to identify an SM timer intended by the NW-initiated SM request. Alternatively, in a case that the UE receives the NW-initiated SM request with the back-off timer activated, the UE is allowed to modify the association of the activated back-off timer and the congestion control to be applied. Thus, a communication control method for the terminal to apply the congestion control expected by the NW in the congestion controls applied by the NW in 5G congestion control that applies a plurality of congestion controls is provided.



21: 2020/04939. 22: 2020/08/11. 43: 2021/11/09
 51: A62C
 71: XUZHOU CONSTRUCTION MACHINERY GROUP CO., LTD., XCMG FIRE-FIGHTING SAFETY EQUIPMENT CO., LTD.
 72: ZHANG, JUN, TIAN, ZHIJIAN, GAO, ZHIGANG, WANG, ZHONGJIE
 33: CN 31: 201810114304.9 32: 2018-02-06
54: FIREFIGHTING VEHICLE
 00: -

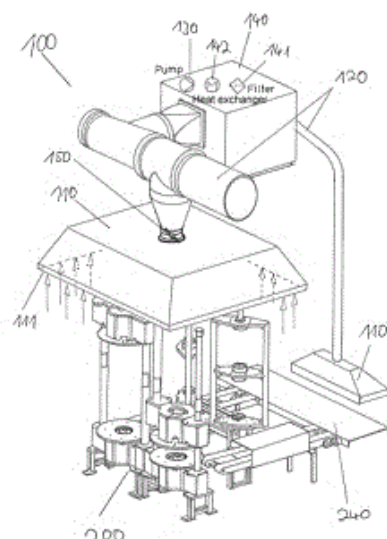
The present disclosure relates to the technical field of a firefighting device, in particular to a firefighting vehicle. The firefighting vehicle provided by the present disclosure comprises a chassis, a boom and a demolition tool. The boom is disposed on the chassis and includes a first boom connected to the chassis. The demolition tool is disposed on the

boom. Moreover, the firefighting vehicle further comprises a steering mechanism configured to swing the demolition tool in a horizontal direction. In the present disclosure, a steering mechanism that swings the demolition tool in a horizontal direction is provided so that it is possible to conveniently implement a lateral demolition function, and effectively improve the flexibility of the firefighting vehicle in demolition.



21: 2020/04940. 22: 2020/08/11. 43: 2021/11/09
 51: B08B; B29D
 71: HARBURG-FREUDENBERGER MASCHINENBAU GMBH
 72: STÖHRMANN, ANDREAS, ERDMANN, FOKKO
 33: DE 31: 10 2018 001 333.3 32: 2018-02-16
54: METHOD AND APPARATUS FOR AIR EXTRACTION IN THE AREA OF A HEATING PRESS

00: -
 The method and the apparatus serve for air extraction (100) in the area of a heating press (200). Extracted air is fed to at least one exhaust-air treatment device (140). In the area of the device, the extracted air is modified in terms of at least one parameter. It is intended in particular to use a tyre heating press (200) as the heating press.



21: 2020/04945. 22: 2020/08/11. 43: 2021/11/09
51: E21B

71: INTELLIGENT DRILLING APPLICATIONS & TECHNOLOGIES (IDAT) PTY LTD

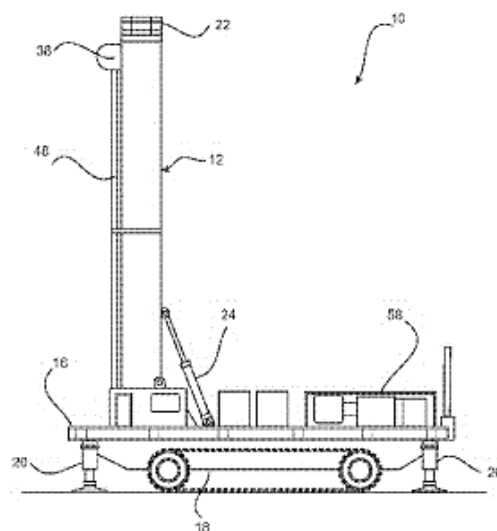
72: BRANSON, JEFF WILLIAM, FAIR, WARREN BARRY, PAYNE, STEVEN JOHN, CHOMLEY, JAMES DANIEL, KENNEDY, JOHN EDWARD, CARNEGIE - SMITH, DAVID BRUCE

33: AU 31: 2018900079 32: 2018-01-10

54: MULTIPURPOSE DRILL SYSTEM

00: -

The present invention relates to a multipurpose drill system, the multipurpose drill system comprising: a drilling rig adapted to drive a drilling assembly; and two or more power sources, wherein at least one of the two or more power sources is a high pressure power source, wherein the drilling assembly is adapted to be in communication with either or both of the two or more power sources.



21: 2020/04983. 22: 2020/08/12. 43: 2021/11/09
51: F03B; F16H

71: INGINE, INC.

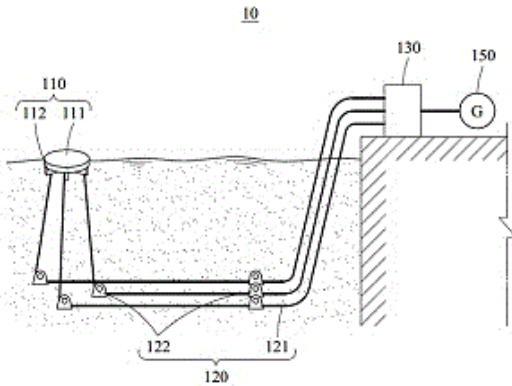
72: SUNG, YONG JUN, KIM, JONG YUN

33: KR 31: 10-2018-0017304 32: 2018-02-12

54: WAVE FORCE GENERATION SYSTEM AND CONTROLLING METHOD THEREFOR

00: -

Disclosed are a wave force generation system for producing electric energy by a hydraulic circuit and a controlling method. The wave force generation system comprises a power conversion portion including a hydraulic cylinder which generates a hydraulic pressure by six degrees-of-freedom motion of a moving object floating on waves, wherein: when force is applied to the hydraulic cylinder in one direction thereof, the power conversion portion makes a fluid flow along a first path so as to produce electric energy; and when force is applied to the hydraulic cylinder in the other direction thereof, the power conversion portion makes the fluid flow through second path which makes the fluid bypass and flow in a direction opposite to the first path, whereby the fluid in the second path meets the first path and thus can produce electric energy.



21: 2020/04984. 22: 2020/08/12. 43: 2021/11/09
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

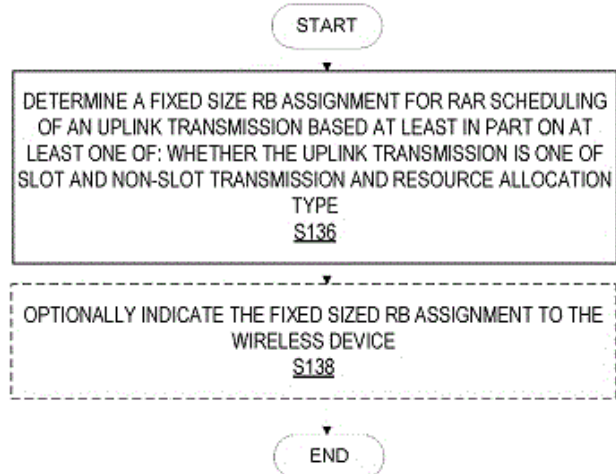
72: LIN, XINGQIN, CHENG, JUNG-FU

33: US 31: 62/710,433 32: 2018-02-16

54: RESOURCE BLOCK ASSIGNMENT FOR MSG3 TRANSMISSION

00: -

A method, network node and wireless device for determining a fixed size resource block assignment in random access response, RAR, scheduling of MSG3 transmission based on at least one of bandwidth part size, slot/non-slot transmission and resource allocation type, are disclosed. According to one or more embodiments, a network node configured to communicate with a wireless device is provided. The network node includes processing circuitry configured to determine a fixed size resource block, RB, assignment for random access response, RAR, scheduling of an uplink transmission based at least in part on at least one of: whether the uplink transmission is one of slot and non-slot transmission, resource allocation type, and optionally indicate the fixed sized RB assignment to the wireless device.



21: 2020/04987. 22: 2020/08/12. 43: 2021/11/09
51: C03B

71: OWENS-BROCKWAY GLASS CONTAINER INC.

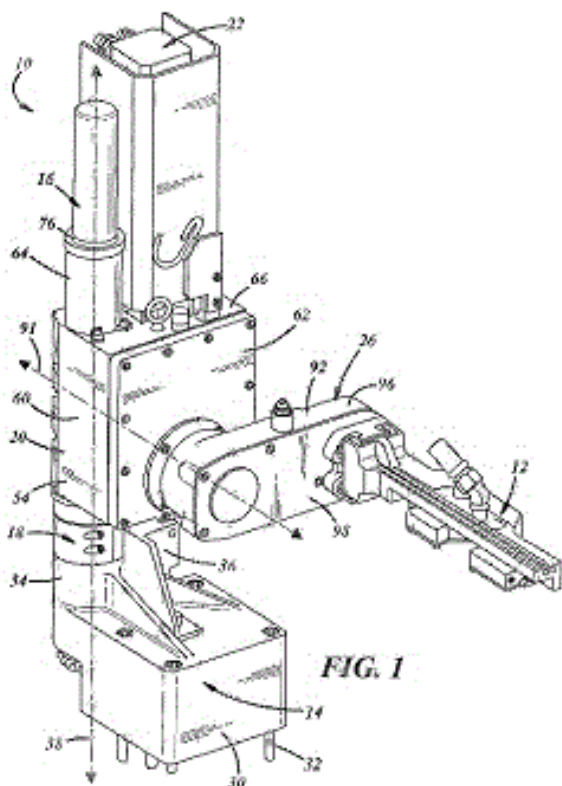
72: MARINELLI, MATTHEW G, CRAMER, JEFFREY W

33: US 31: 15/898,942 32: 2018-02-19

54: BURNER HEAD ACTUATOR FOR LUBRICATING GLASSWARE MOLDS OF A GLASSWARE FORMING MACHINE

00: -

A burner head actuator (10) for lubricating glassware molds of a glassware forming machine includes a base mount (14) and a guide post (16) carried by the mount. A gearbox housing (54) carried on the guide post carries a gear train (58) including drive and driven gears (82, 84). A servomotor (22) is coupled to the gearbox. A burner head arm (26) is carried by the gearbox housing and coupled to the driven gear for rotation relative to the gearbox housing about an arm axis (91). The arm includes a burner head leveling gear train (94) including a drive sprocket (108) direct-driven by the driven gear about the arm axis and a driven sprocket (110) driven by the drive sprocket via a chain (114). The servomotor rotates the gearbox drive gear, thereby rotating the gearbox driven gear and burner head arm, and thereby rotating the leveling gear train so that the burner head remains level as the arm is rotated about the arm axis.

**FIG. 1**

21: 2020/04990. 22: 2020/08/12. 43: 2021/11/09

51: B26D; B65D

71: V-SHAPES S.R.L.

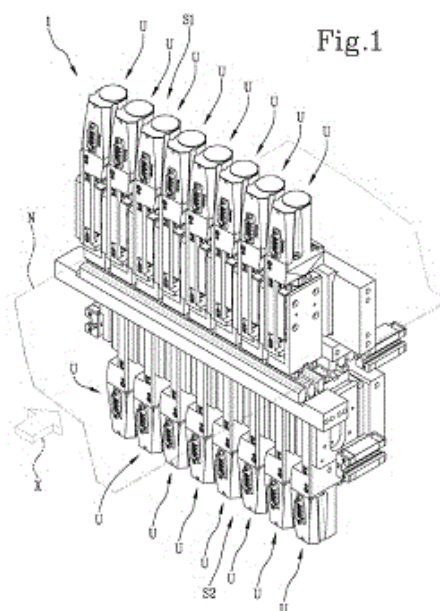
72: AMATO, ROSARIO

33: IT 31: 102018000003287 32: 2018-03-05

54: INCISION STATION FOR PACKAGING MACHINE AND RELATIVE INCISION METHOD

00: -

Described is an incision station (1) for making a plurality of weaknesses (I) respectively on a plurality of portions (P) of a web (N), for producing a plurality of packages each of which comprising a supporting sheet (21) corresponding to a respective portion (P1) of the portions (P) and an opening system (22) corresponding to the weakness (I1) made on the respective portion (P1), which makes it possible to increase the precision in obtaining the opening system (22) of each package (2) and to increase the productivity of the packaging machine in which the above-mentioned station (1) operates. This invention also relates to a packaging machine which comprises the incision station (1) and an incision method for making the above-mentioned plurality of weaknesses (I), in such a way as to achieve the above-mentioned aims.

**Fig. 1**

21: 2020/05011. 22: 2020/08/13. 43: 2021/11/09

51: F42D; C06B; E21C; E21B

71: DYNO NOBEL INC.

72: NELSON, CASEY L, GORDON, LYNN, HUNSAKER, DAVE, HALANDER, JOHN B

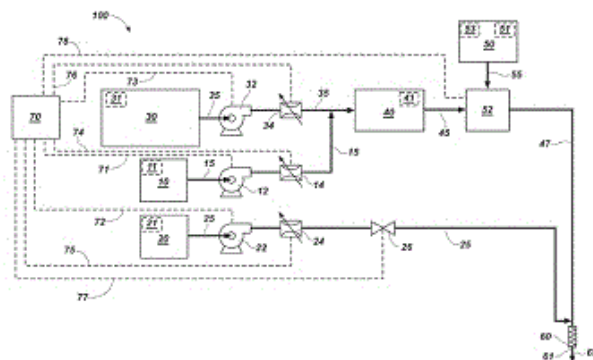
33: US 31: 62/632,818 32: 2018-02-20

33: US 31: 62/773,766 32: 2018-11-30

54: INHIBITED EMULSIONS FOR USE IN BLASTING IN REACTIVE GROUND OR UNDER HIGH TEMPERATURE CONDITIONS

00: -

Methods of delivering inhibited emulsions are provided. The methods can include mixing an emulsion with a separate inhibitor solution to form the inhibited emulsion. Inhibitor solutions including water, an inhibitor, and a crystallization point modified are provided. Systems for delivering inhibited emulsions are also provided.



21: 2020/05012. 22: 2020/08/13. 43: 2021/11/09

51: A43C

71: PRIDE MANUFACTURING COMPANY, LLC

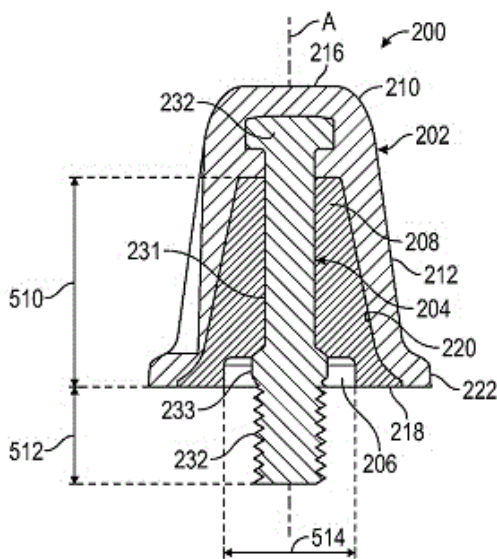
72: BURT, JOHN ROBERT, SHUTTLEWORTH, LEE

33: US 31: 62/637,259 32: 2018-03-01

54: TRACTION ELEMENTS FOR ATHLETIC SHOES AND METHODS OF MANUFACTURE THEREOF

00: -

Various embodiments for a traction element (100, 200, 300) used with athletic shoes having a stud body (102, 202, 302) with a metal insert (104, 204, 304) that extends axially from the stud body and methods for manufacturing such traction elements are disclosed.



21: 2020/05014. 22: 2020/08/13. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: LINDHEIMER, CHRISTOFER, ARSHAD, MALIK WAHAJ, DA SILVA, ICARO L. J, MILDH, GUNNAR, SCHLIWA-BERTLING, PAUL

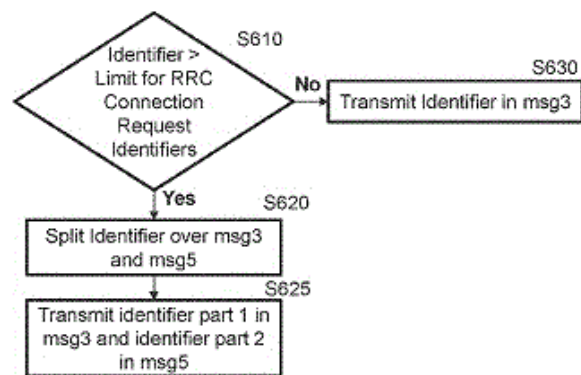
33: US 31: 62/653,464 32: 2018-04-05

54: MANAGING A TEMPORARY SUBSCRIBER IDENTIFIER HAVING AN EXTENDED LENGTH DURING CONNECTION SETUP IN 5G NETWORKS

00: -

According to an embodiment, a method performed by a wireless device includes transmitting, to a network node, a message requesting a grant of resources for transmitting a first message and, in response, receiving a grant message granting the resources. The method further includes determining,

based at least in part on the grant message, whether a length of a temporary device identifier of the wireless device exceeds a limit that the network node is capable of receiving in the first message. When the temporary device identifier does not exceed the limit, the method includes transmitting the temporary device identifier to the network node in the first message. When the temporary device identifier exceeds the limit, the method includes transmitting a first portion of the temporary device identifier in the first message and transmitting a second portion of the temporary identifier in a second message to the network node.



21: 2020/05015. 22: 2020/08/13. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: AXMON, JOAKIM, KAZMI, MUHAMMAD

33: US 31: 62/632051 32: 2018-02-19

54: IMPROVED ACTIVATION OF SECONDARY CELLS FOR CARRIER AGGREGATION AND DUAL CONNECTIVITY

00: -

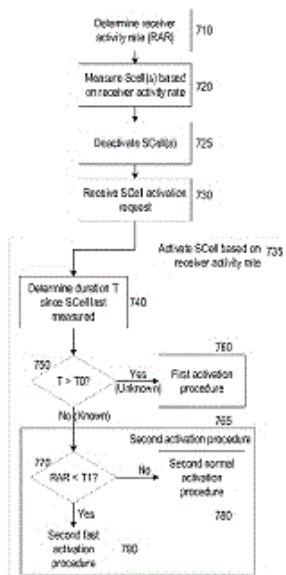
Embodiments include methods and/or procedures for a user equipment, UE, to activate a secondary cell, SCell, for operating with the UE's primary serving cell, PSC. Embodiments include determining (710) a receiver activity rate for the UE.

Embodiments also include receiving (730), from the PSC, an activation request identifying the SCell.

Embodiments also include activating (735) the SCell based on the receiver activity rate. Other embodiments include complementary methods and/or procedures performed by a network node arranged to communicate with one or more UEs via a PSC and at least one selectively activated SCell.

Other embodiments include UEs and network nodes

configured to perform operations corresponding to various ones of the methods and/or procedures, as well as computer-readable media embodying such operations.



21: 2020/05017. 22: 2020/08/13. 43: 2021/11/09
51: H04W

71: GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.

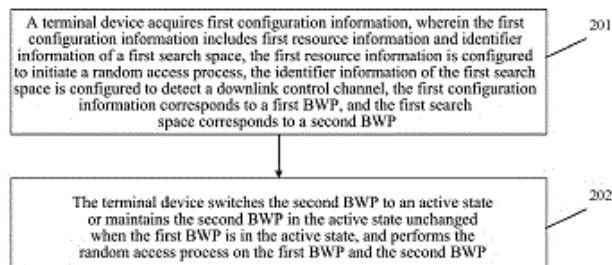
72: SHI, CONG

33: CN 31: 201810646706.3 32: 2018-06-21

54: BWP SWITCHING METHOD AND APPARATUS, AND TERMINAL DEVICE

00: -

The embodiments of the present application provide a BWP switching method and apparatus, and a terminal device. The method comprises: a terminal device acquiring first configuration information, wherein the first configuration information comprises first resource information and identifier information of a first search space, the first resource information is used for initiating a random access process, the identifier information of the first search space is used for detecting a downlink control channel, the first configuration information corresponds to a first BWP, and the first search space corresponds to a second BWP; and where the first BWP is in an activated state, the terminal device switching the second BWP to an activated state or maintaining the second BWP in an activated state, and executing the random access process on the first BWP and the second BWP.



21: 2020/05023. 22: 2020/08/13. 43: 2021/11/29
51: C07K; G01N

71: UNIVERSIDADE NOVA DE LISBOA,
INSTITUTO PORTUGUÊS DE ONCOLOGIA DO
PORTO FG, EPE, HELMHOLTZ-ZENTRUM
DRESDEN-ROSSENDORF - INSTITUTE OF
RADIOPHARMACEUTICAL CANCER RESEARCH
72: VIDEIRA, Paula Alexandra Quintela, NOVO,
Carlos Manuel Mendes, LOUREIRO, Liliana Raquel
Rodrigues, CARRASCAL, Mylène Adelaide do
Rosário, FERREIRA, José Alexandre Ribeiro de
Castro, PALMA, María Angelina de Sá, SANTOS,
Lúcio Lara, LIMA, Luís Carlos Oliveira, CHAI,
Wengang, BACHMANN, Michael

33: PT 31: 110526 32: 2018-01-26

54: L2A5 ANTIBODY OR FUNCTIONAL FRAGMENT THEREOF AGAINST TUMOUR ANTIGENS

00: -

This invention provides an antibody or functional antibody fragments, or probe thereof directed against a unique group of antigens identified in cancer. The present invention comprises nucleotide sequences derived from L2A5 monoclonal antibody. The antibody or functional antibody fragment, or probe thereof includes a variable heavy chain domain and a variable light chain domain that has an amino acid sequence provided herein. This DNA/ amino acid sequence conjugation is unique and has never been described before. The present invention further provides antibody or functional antibody fragment or a conjugate or a recombinant protein useful in the detection, treatment and prevention of human disease, including cancer.

21: 2020/05024. 22: 2020/08/13. 43: 2021/11/09
51: A01N; A23K; C07C; A01P

71: NIPPON SODA CO., LTD.

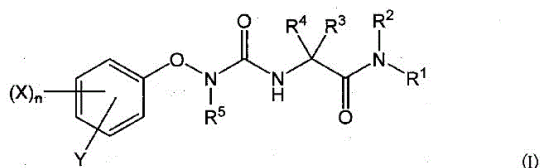
72: FURUKAWA Hironori, IWASA Takao, AMANO
Tomohiro, MOROE Hiroko, SHINOKI Yasuyuki

33: JP 31: 2018-074961 32: 2018-04-09

54: PHENOXYUREA COMPOUND AND PEST CONTROL AGENT

00: -

A compound represented by formula (I) or a salt thereof. In formula (I), R¹ represents a hydrogen atom, a substituted or unsubstituted C1-6 alkyl group or the like; R² represents a hydrogen atom or a C1-6 alkyl group; each of R³ and R⁴ independently represents a hydrogen atom or a C1-6 alkyl group; R⁵ represents a substituted or unsubstituted C1-6 alkyl group or the like; Y represents a C1-6 haloalkyl group; X represents a halogeno group, a C1-6 alkyl group or the like; n represents a chemically acceptable number of X, which is an integer of 0-4; and in cases where n is 2 or more, the plurality of X moieties may be the same as or different from each other.



21: 2020/05055. 22: 2020/08/14. 43: 2021/11/09
51: B60P

71: METSO SWEDEN AB

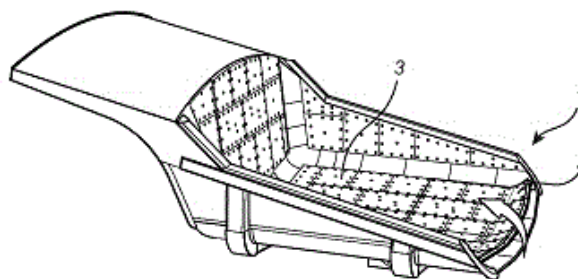
72: HÄLLEVALL, NICLAS, PERSSON, HENRIK, HOFFMANN, ANDREAS

33: EP 31: 18157179.5 32: 2018-02-16

54: LOAD RETENTION SYSTEM

00: -

Retention system (1) for a load carrying container (10), comprising a retention portion (2) arrangeable at or near a rear end of a load carrying container (10). The retention portion (2) is pivotable between a first, raised position and a second, lowered position; and a drive element (4) is used for moving the pivotable retention portion (2) between the first and second positions.



21: 2020/05079. 22: 2020/08/17. 43: 2021/11/09
51: B01F

71: MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG

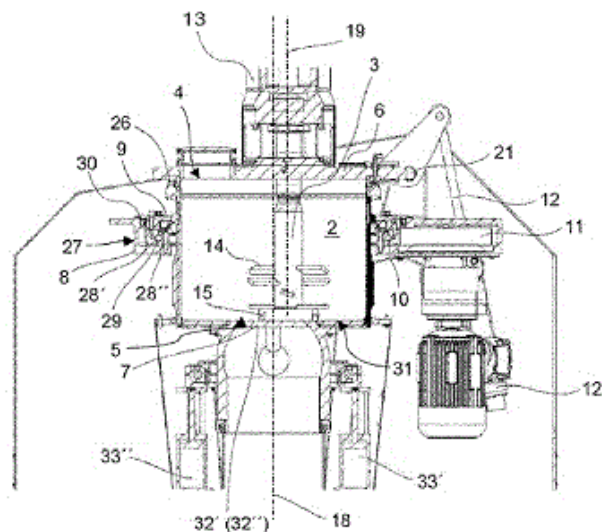
72: SEILER, ANDREAS

33: DE 31: 10 2018 106 189.7 32: 2018-03-16

54: HYGIENIC MIXER

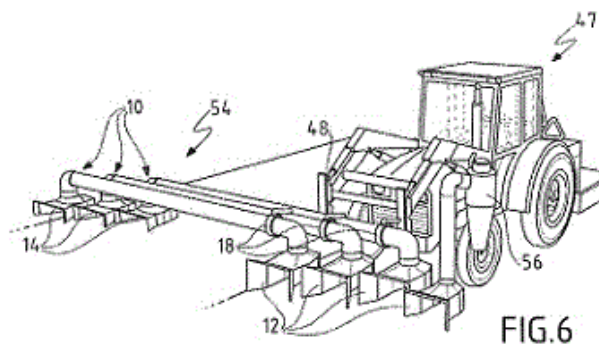
00: -

The present invention relates to a mixing device (1) comprising a mixing container (2) for receiving mixing material, which container can be rotated about a first axis of rotation (18) and has a mixer opening (4), and comprising a mixer lid (6) which can be reciprocally moved between an open position and a closed position, the mixer lid (6) closing the mixer opening (4) in the closed position and exposing the mixer opening (4) in the open position, a machine stand (16) being provided in which the mixing container (2) is rotatably mounted and to which the mixer cover (6) is fastened such that, in the closed position of the mixer cover (6), the mixing container (2) can be rotated about the first axis of rotation (18) relative to the mixer cover (6), and a drive (11) preferably being located on the machine stand (16) and being provided for driving a rotary movement of the mixing container (2) about the first axis of rotation (18). In order to provide a mixing device (1) having an angle of inclination which can be particularly easily set by the user and which can be particularly easily cleaned and inspected by the user, according to the invention the machine stand (16) has a stationary element and a pivot element (8), the pivot element (8) being pivotably mounted about a pivot axis (20) relative to the stationary element, the mixing container (2) being rotatably mounted on the pivot element (8), and the mixer cover (6) being fastened to the pivot element (8).



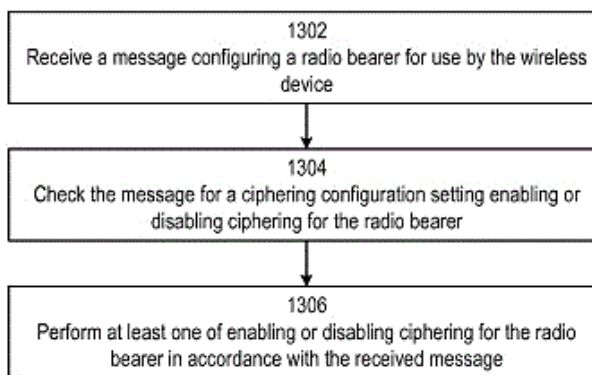
21: 2020/05080. 22: 2020/08/17. 43: 2021/11/09
 51: A01H
 71: INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, SYNGENTA FRANCE SAS, ASUR PLANT BREEDING
 72: BALDET, PATRICK
 33: FR 31: 18 52209 32: 2018-03-14
54: AIR-MOVING DEVICE EMPLOYING COANDA EFFECT FOR POLLINATING A RECIPIENT PLANT USING POLLEN COLLECTED FROM A DONOR PLANT

00: -
 The invention relates to an air-moving device (10) for pollinating at least one recipient plant using pollen collected on at least one donor plant, comprising: - means for collecting (12) the pollen from the at least one donor plant, - means for distributing (14) the pollen on at least one recipient plant, - a channel for conveying the pollen collected from the collecting means (12) to the distributing means (14), - an air flow amplifier (18) which employs Coanda effect for inducing a flow of air inside the conveying channel from the means for collecting (12) the pollen to the means for distributing (14) the pollen. The invention also relates to a pneumatic device for diverting the pollen flow which employs Coanda effect and is provided at the means for distributing (14) the pollen.



21: 2020/05081. 22: 2020/08/17. 43: 2021/11/09
 51: H04W
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 72: RUGELAND, PATRIK, MILDH, GUNNAR, PALM, HÅKAN
 33: US 31: 62/652,963 32: 2018-04-05
54: CONFIGURING RADIO RESOURCES
 00: -

A method (1300), performed by a wireless device, is disclosed. The method is for managing radio resources in the wireless device and comprises receiving a message configuring a radio bearer for use by the wireless device (1302), checking the message for a ciphering configuration setting enabling or disabling ciphering for the radio bearer (1304), and performing at least one of enabling or disabling ciphering for the radio bearer in accordance with the received message (1306). Also disclosed are a method (1500) performed by a base station for configuring radio resources for use by a wireless device, a wireless device (1400), a user equipment and a base station (1600).



21: 2020/05082. 22: 2020/08/17. 43: 2021/11/09

51: A01B

71: IRON GRIP HOLDINGS PTY LIMITED

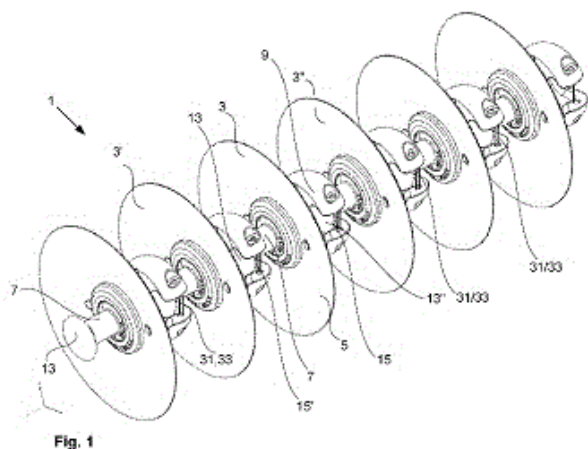
72: AINGE, STEPHEN CHARLES,
HEYDARSHAHY, SEYED ALI

33: AU 31: 2018900288 32: 2018-01-31

**54: AGRICULTURAL GROUND ENGAGING
CHAIN AND LINK SYSTEM**

00: -

A link assembly (3) and system (203) including a first link portion (7, 207) and a second link portion (9, 209). The first link portion (7, 207) includes a bulbous end (13). The second link portion (9, 209) includes a socket (15). To link adjacent link assemblies (3) or the first link portion (7, 207) to the second link portion (9, 209), the bulbous end (13) is received in the socket (15). In one example, the link assembly (3) is part of an agricultural ground engaging chain (1) having harrow member portions (5). In other examples, the link assembly and system (203) are used to link first element (204) and second elements (206) to one another. This may be used to join or anchor vehicles, structures and the like.



21: 2020/05109. 22: 2020/08/18. 43: 2021/11/09

51: A23C

71: AGRITECHNOLOGY PTY LTD, INGREDIENT
ADVISORY SERVICES PTY LTD72: HOBBA, GRAHAM DEAN, PEARCE, ROBERT
JOHN**54: LACTOSE FREE MILK PRODUCTS**

00: -

Described herein are liquid, concentrated or dried lactose-free skim milk products or lactose-free, fat containing milk products that exhibit stability during thermal processing and storage as a result of the reductive carbohydrate to milk protein ratio of the

milk products. The osmolality of the lactose-free milk products described herein also enable improved nutritional availability when compared to commercially available lactose hydrolysed milk products.

21: 2020/05111. 22: 2020/08/18. 43: 2021/11/09

51: F01C

71: FETU LIMITED

72: FENTON, JONATHAN

33: GB 31: 1803181.5 32: 2018-02-27

**54: ROTICULATING THERMODYNAMIC
APPARATUS**

00: -

A roticulating thermodynamic apparatus (100) having a first fluid flow section (111) and a second fluid flow section (115). The first fluid flow section (111) is configured for the passage of fluid between a first port (114a) and second port (114b) via a first chamber (134a). The second fluid flow section (115) is configured for the passage of fluid between a third port (116a) and a fourth port (116b) via a second chamber (134, 234b). The second port (114b) is in fluid communication with the third port (116a) via a first heat exchanger (302a).

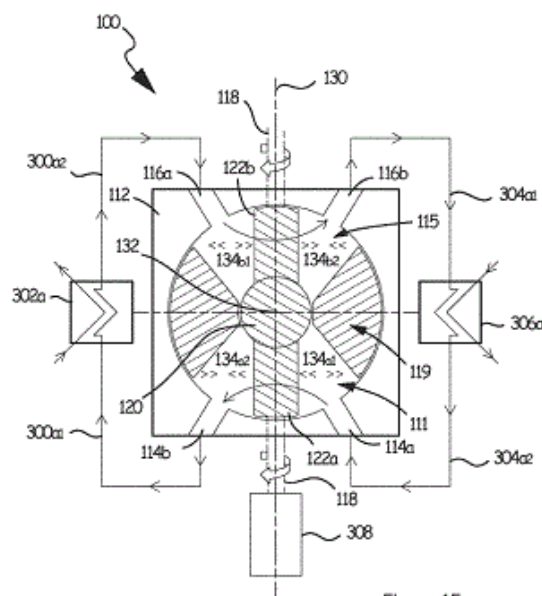


Figure 15

21: 2020/05113. 22: 2020/08/18. 43: 2021/11/09

51: C11D

71: UNILEVER PLC

72: BATCHELOR, STEPHEN NORMAN, BIRD,
JAYNE MICHELLE

33: EP 31: 18165379.1 32: 2018-04-03

54: DYE GRANULE

00: -

The present invention provides a detergent dye granule comprising from a blue or violet shading dye, alkyl ether carboxylate surfactant, a solid carrier and a binder, a method for making such a dye granule as well as a laundry detergent composition comprising such a dye granule.

21: 2020/05149. 22: 2020/08/19. 43: 2021/11/09

51: C12N; C12P

71: TORAY INDUSTRIES, INC.

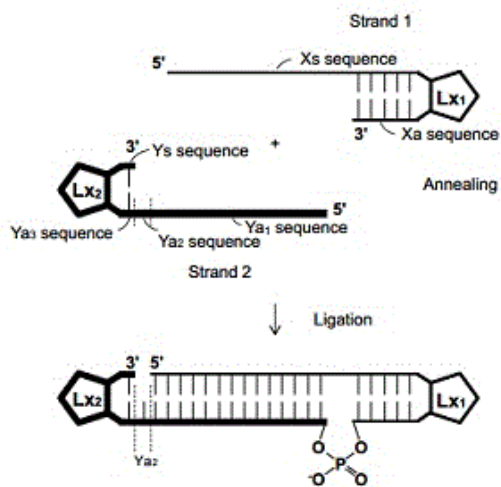
72: INADA, HIDEAKI, ISEKI, KATSUHIKO, OKIMURA, KEIICHI, SANOSAKA, MASATO, TAKASHINA, AYUMI

33: JP 31: 2018-070423 32: 2018-03-30

54: METHOD FOR PRODUCING HAIRPIN SINGLE-STRANDED RNA MOLECULE

00: -

The present invention provides a method for producing a hairpin single-stranded RNA molecule that inhibits the expression of a target gene. The method includes (i) an annealing step of annealing a first single-stranded oligoRNA molecule with a second single-stranded oligoRNA molecule and (ii) a ligation step of ligating, using a ligase in the Rnl2 family, the 3' end of the first single-stranded oligoRNA molecule with the 5' end of the second single-stranded oligoRNA molecule. The sequence produced by the ligation of the first single-stranded oligoRNA molecule with the second single-stranded oligoRNA molecule contains a gene expression-inhibiting sequence directed to the target gene.



21: 2020/05152. 22: 2020/08/19. 43: 2021/11/09

51: B08B; B63B

71: JOTUN A/S

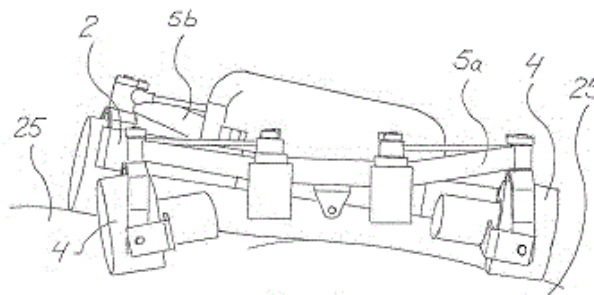
72: RYGG, TORIL FJELDAAS, PEDERSEN, ROALD

33: GB 31: 1803700.2 32: 2018-03-08

54: ROBOT WITH MAGNETIC WHEELS FOR CLEANING SHIP HULLS

00: -

The application describes a device in the form of a robot (1) for performing operations on ship's hulls (25). The robot (1) comprises magnetic wheels (4) enabling the robot (1) to adhere to ferrous hulls (25) via magnetic forces and a suspension arrangement (5, 10, 11, 12, 24) for supporting the wheels (4) on a body (2, 3) of the robot (1) and for allowing the robot (1) to travel over uneven surfaces. The wheels (4) include a first pair of wheels and a second pair of wheels, with the pairs of wheels spaced apart from one another along a length of the robot (1). The suspension arrangement comprises a suspension pivot mechanism (5, 24) allowing a line extending between the centres of the first pair of wheels to rotate relative to a line extending between the centres of the second pair of wheels, along with a camber pivot mechanism (10, 11, 12) for each wheel (4), with the camber pivot mechanism (10, 11, 12) allowing the axis of rotation of the wheel (4) to rotate relative to the axes of rotation of the other wheels (4) in order that the wheel (4) can align its axis of rotation with the surface of the hull (25). The magnetic forces for attaching the wheel (4) to the hull (25) act to rotate the suspension pivot mechanism (5, 24) and camber pivot mechanisms (10, 11, 12). The robot (1) can therefore maintain a secure contact with the hull (25) as it travels over the hull (25).



21: 2020/05154. 22: 2020/08/19. 43: 2021/11/09

51: F16L; B32B

71: GATES CORPORATION

72: MOSS, TOM, GRANT, WILLIAM, SPRING, KYLE, GIOVANETTI, KEN, HILL, RICK

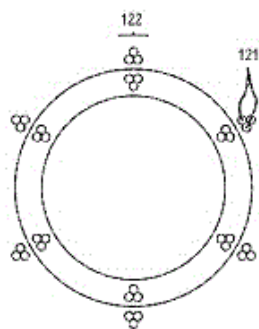
33: US 31: 62/632,350 32: 2018-02-19

33: US 31: 16/193,411 32: 2018-11-16

54: PRESSURE HOSE

00: -

Described herein are embodiments of a pressure hose having an improved reinforcement layer. In some embodiments, the reinforcement layer of the pressure hose has a reinforcement volumetric ratio (RVR) of greater than or equal to 110%. The reinforcement layer can include a plurality of braided beams, with each beam comprising a plurality of ends. In some embodiments, the plurality of ends within a beam are arranged in a multi-layer orientation. In some embodiments, the number of ends and the end orientation within each beam is identical amongst all beams in the reinforcement layer. The shape, size, and arrangement of the ends within a beam can all be adjusted to increase the surface area to volume ratio and, correspondingly, the RVR of the reinforcement layer.



21: 2020/05163. 22: 2020/08/19. 43: 2021/11/18

51: G01R; G06F; H03C; H04B

71: CSIR

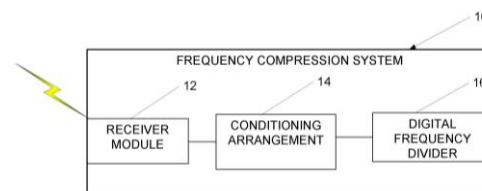
72: MINNAAR, Frederik Viljoen

33: NL 31: 2019958 32: 2017-11-22

54: METHOD AND SYSTEM FOR FREQUENCY COMPRESSION

00: -

The invention relates to a method and system compression of a wide frequency range into a lower and narrower range. In particular, the invention relates to a method for frequency band compression of signals, wherein the method comprises receiving an input signal having a frequency within a first frequency band; and processing the received input signal digitally by way of at least one digital frequency divider to generate an output signal, wherein the output signal falls within a second frequency band which is narrower than the first frequency band. The invention extends to a system comprising a receiver; and a digital frequency divider coupled thereto, wherein the digital frequency divider is configured to process the received input signal digitally to generate an output signal of a lower frequency than the received input signal, wherein the output signal falls within a second frequency band being narrower than the first frequency band.



21: 2020/05173. 22: 2020/08/20. 43: 2021/11/09

51: C05D; C22B; H01M

71: TRACEGROW OY

72: JOENSUU, Mikko, RAHUNEN, Joni, RAUTIO, Lasse

33: US 31: 62/638,987 32: 2018-03-06

33: FI 31: 20185100 32: 2018-02-05

54: PROCESSES FOR PRODUCTION OF MICRONUTRIENTS FROM SPENT ALKALINE BATTERIES

00: -

The present invention relates to a process for processing a leach solution of black mass of spent alkaline batteries which leach solution (14) includes metals dissolved to an acidic solution and in which process one or more elements (49) are removed (D) from the leach solution by cementation operation (48, 104, 207, 309) by applying at least one non-noble metal (58) in a metal form as a cementation agent (47). In addition to at least one non-noble metal in the metal form one or more additional cementation agents (27), which are in one or more forms selected from the group which includes a

sulphate and a nitrate, are applied in the cementation operation in order to process the leach solution into a product (17, 17', 17'') of at least manganese- and zinc-containing sulphate solution which is suitable for micronutrients in fertilizers or as such to aid growth and health of plants. In addition, the invention also relates to a process for processing a black mass of spent alkaline batteries.

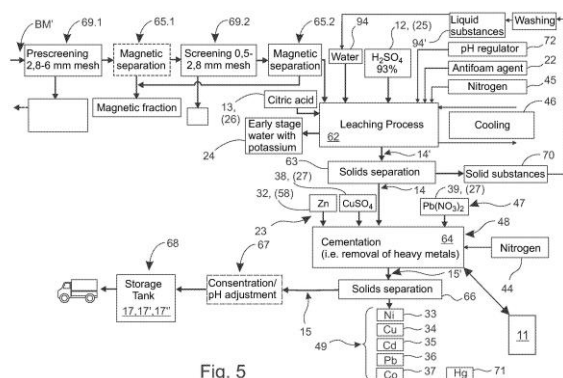


Fig. 5

21: 2020/05192. 22: 2020/08/20. 43: 2021/11/09
51: G06Q

71: BOLORO GLOBAL LIMITED

72: RAMMAL, KARIM ANWAR

33: US 31: 62/631,547 32: 2018-02-16

33: US 31: 62/673,373 32: 2018-05-18

54: SYSTEM AND METHOD FOR AUTHENTICATED SHARIA LAW COMPLIANT LOTTERY, SPORTS BETTING AND GAMING

00: -

A system, method and computer program product for lottery, betting or gaming, includes a retailer system selling goods and/or services to a purchaser in exchange for monetary or in-kind value exchange transaction. The retailer system on concluding the sale offers an option of entering a free lottery, bet or game, creates an authenticated profile of the purchaser. The retailer system identifies the goods and/or services, which are recorded on the profile, allows the purchaser to select a lottery entry, bet or game selection to store in the profile, and then offers a free lottery, bet or game entries per purchase or transaction. The operator system conducts a live draw or publish or reference other publishers of betting or game results and reports the winning combination, and uses seller and buyer's profile, authentication and provenance of goods and/or

services and/or lottery, bet or game entries to be traded.

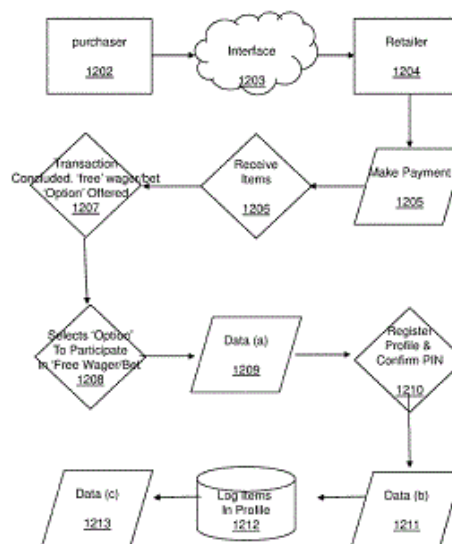


FIG. 12

21: 2020/05226. 22: 2020/08/21. 43: 2021/11/09
51: D05C

71: VANDEWIELE NV

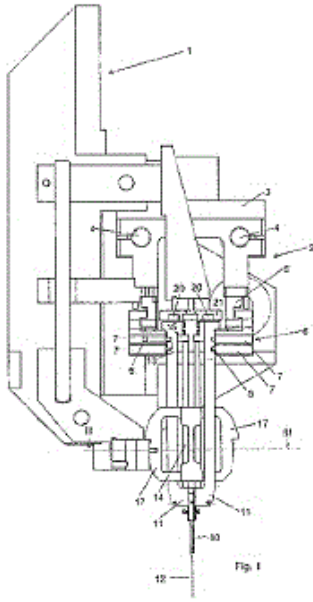
72: CREVITS, DOMIEN, LAMPAERT, VINCENT

33: GB 31: 1803199.7 32: 2018-02-27

54: A TUFTING MACHINE

00: -

A tufting machine comprising a plurality of needle holders (11) associated with a needle bar (5) and slidably supported in a frame for reciprocation in a needle reciprocation direction. A respective needle (10) is attached to each needle holder (11), each needle holder having an engagement portion. The needle bar (5) has means (7, 13) for selectively latching with the engagement portion of each selected needle holder so as to selectively drive latched needle holders in the needle reciprocation direction. A stop bar (21) is positioned to limit the upward movement of the needle holders (11). At least one magnet (20) retains non-latched needle holders in its uppermost position as the needle bar is reciprocated. The magnets (20) are embedded in the stop bar (21). The machine further comprises a cushioning member (27) attached to the magnet (20) and facing the top of each needle holder (11).



21: 2020/05229. 22: 2020/08/21. 43: 2021/11/29

51: B66B

71: INVENTIO AG

72: STUDER, CHRISTIAN, WEBER, STEFAN

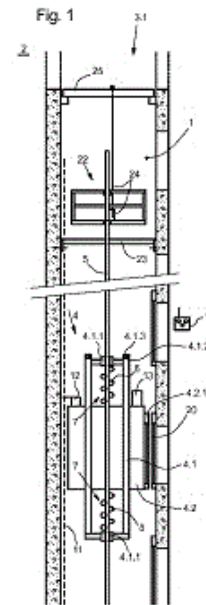
33: EP 31: 18177874.7 32: 2018-06-14

54: METHOD FOR ERECTING A LIFT FACILITY

00: -

According to a method for erecting a final lift facility in a lift shaft (1) of a building (2), a construction phase lift system (3.1; 3.2) is, for the duration of the construction phase of the building, installed in the lift shaft, which increases in height as the building height increases. The construction phase lift system comprises a self-propelled construction phase lift car (4; 54; 64), the useable lifting height of which can be adapted to an increasing lift shaft height, wherein to guide the construction phase lift car (4; 54; 64) along the travel path of same in the lift shaft (1), at least one guide rail (5) is installed, wherein, to drive the construction phase lift car (4; 54; 64), a drive system (7; 7.1-7.4; 57; 67) is mounted which comprises a primary part attached to the construction phase lift car and a secondary part attached along the travel path of the construction phase lift car, wherein the guide rail (5) and the secondary part of the drive system (7; 7.1; 7.2; 7.3; 7.4; 57; 67) are, during the construction phase, extended upwards in steps with the increasing lift shaft height. The self-propelled construction phase lift car (4; 54; 64) is used both to transport people and/or materials for construction of the building (2) and as a passenger and goods lift for

storeys already being used as residential or business areas during the construction phase of the building, wherein - after the lift shaft (1) has reached its final height - a final lift system is installed in the lift shaft (1) in place of the construction phase lift system (3.1; 3.2), the final lift system being modified with respect to the construction phase lift system (3.1; 3.2).



21: 2020/05295. 22: 2020/08/25. 43: 2021/11/09

51: H04W; H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: TEYEB, OUMER, MILDH, GUNNAR, MUHAMMAD, AJMAL

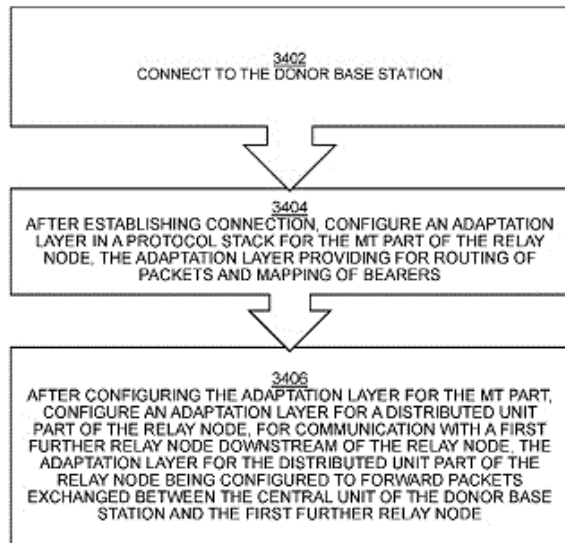
33: US 31: 62/653,313 32: 2018-04-05

54: ADAPTATION LAYER SETUP AND CONFIGURATION IN INTEGRATED ACCESS BACKHAULED NETWORKS

00: -

Configuring an adaptation layer in a relay node communicates with a central unit of a donor base station through a distributed unit of the donor base station comprises connecting (3402) to the donor base station, after establishing the connection, configuring (3404) an adaptation layer in a protocol stack for an MT part of the relay node, the adaptation layer providing for routing of incoming packets to one or more further relay nodes or to one or more user equipments, UEs, connected to the relay node and for mapping of those incoming packets to bearers, and, after configuring the

adaptation layer for the MT part of the relay node, configuring (3406) an adaptation layer for the distributed unit part of the relay node for forwarding packets exchanged between the central unit of the donor base station and the first further relay node downstream of the relay node.



21: 2020/05296. 22: 2020/08/25. 43: 2021/11/09
51: B63B

71: CONNECT LNG AS

72: MAGNUSSON, STIAN TUNESTVEIT,
KNUTSEN, DAVID MIKAL

33: NO 31: 20181650 32: 2018-12-19

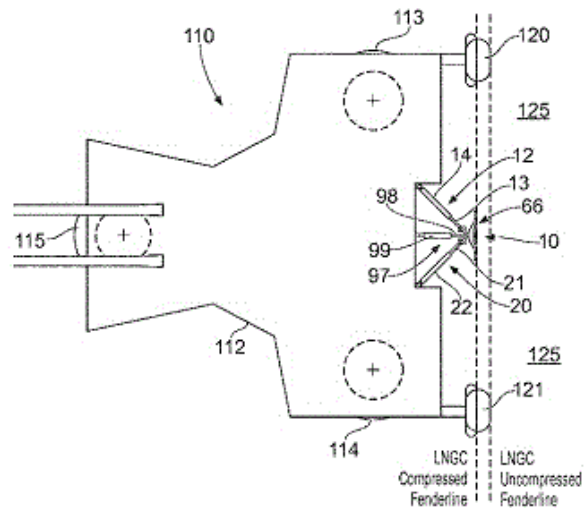
33: NO 31: 20180263 32: 2018-02-19

54: A MOORING DEVICE AND A FLOATING UNIT COMPRISING AT LEAST ONE MOORING DEVICE

00: -

There is disclosed a mooring device (10) comprising an attachment unit (66) for mooring of a floating unit (110) to a floating or non-floating structure (125).

The mooring device (10) comprises a first mooring arm (12) and a second mooring arm (20) for transferring and/or absorbing forces and energy that arises when the floating unit (110) moves relative to the floating or non-floating structure. There is also disclosed a floating unit and a floating or non-floating structure comprising one or more such mooring devices (10).



21: 2020/05321. 22: 2020/08/26. 43: 2021/11/09
51: G09B

71: MAANSHAN JULI TECHNOLOGY CO., LTD,
ANHUI UNIVERSITY OF TECHNOLOGY

72: WEN, CONGZHONG, PAN, HUI, GENG,
YANJUAN, GUO, JIAYI, YANG, QI, ZOU, NING,
ZHU, ZHENGMING

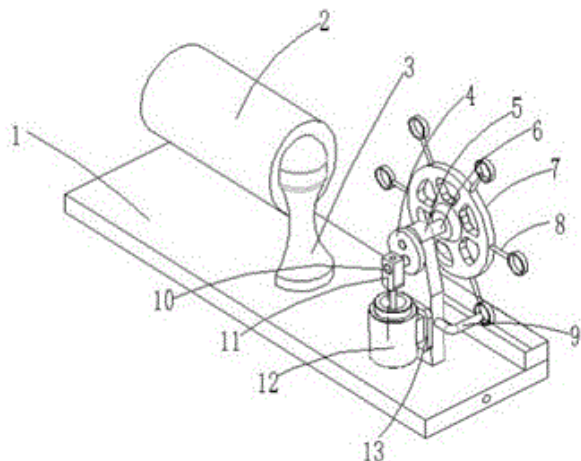
33: CN 31: 201910642444.8 32: 2019-07-16

54: STEAM ENGINE MODEL WITH ADJUSTABLE AIR OUTPUT FOR METALWORKING PRACTICE TEACHING

00: -

The present invention discloses a steam engine model with an adjustable air output for metalworking practice teaching. The model includes a base for installing a heating furnace support and a steam engine support, a heating furnace fastened to the heating furnace support for steam output, and a steam distribution apparatus that can adjust different output speeds of a steam engine. Advantages of the present invention are as follows: The structure is proper, and the steam engine model has a principle simpler than that of a double-acting steam engine model. For the steam engine model, it is easier for college students who have just studied the mechanical principle to understand the mechanical transmission principle. When a cylinder piston is stuck at a limit position due to insufficient steam inertia, the students can be directed to analyze the reason why the cylinder piston is stuck, and then a wall of a foam ring is pushed to swing forward by installing a balance rod and using airflow power of exhaust of the steam engine to drive the cylinder

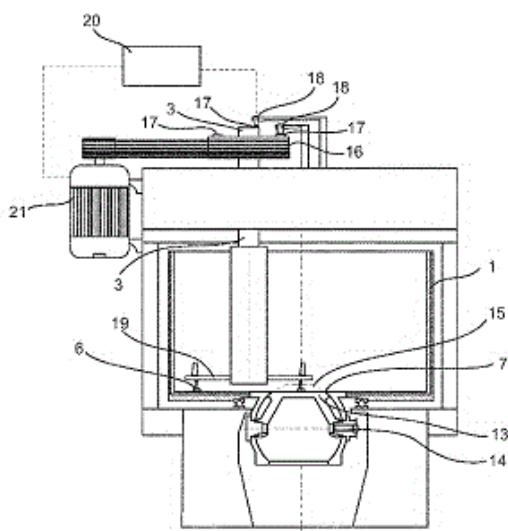
piston to smoothly pass through the limit position, to direct the students to think deeply and propose their own solutions, and inspire the students' imagination and creative thinking.



21: 2020/05322. 22: 2020/08/26. 43: 2021/11/09
51: B01F
71: MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG
72: OTT, CHRISTIAN, GÜNTHER, TIMO
33: DE 31: 10 2018 106 187.0 32: 2018-03-16
54: MIXING DEVICE WITH CLOSURE ELEMENT
00: -

The invention relates to a mixing device with a container (1) which can be rotated about a container axis for receiving mixing material and the base of which is equipped with an emptying opening (7), a rotatable mixing tool which is arranged in the interior of the container, and a closure element (13) for closing the emptying opening (7). The closure element can be pivoted about a pivot axis (14) in order to open and close the emptying opening (7), and the closure element has an inner surface which is arranged within the container when the emptying opening (7) is closed, an outer surface which is arranged outside of the container when the emptying opening (7) is closed, and an edge surface which is arranged opposite an edge surface of the emptying opening (7) when the emptying opening (7) is closed. The aim of the invention is to provide a mixing device of the aforementioned type which allows a transfer of the mixing material via a comparably small cross-section. According to the invention, this is achieved in that the closure element, the emptying opening (7), and the pivot

axis are designed and arranged such that a point on the inner surface or the edge surface of the closure element, said point being arranged farthest away from the pivot axis, defines a circle during the pivoting movement, wherein the closure element is arranged within the circle, and the edge surfaces of the emptying opening (7) are arranged outside of the circle.



21: 2020/05341. 22: 2020/08/27. 43: 2021/11/09
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: 2020/05390. 22: 2020/08/28. 43: 2021/11/09
51: B63B; E02B; E04H
71: CRYSTAL LAGOONS TECHNOLOGIES, INC.
72: FISCHMANN TORRES, FERNANDO BENJAMIN

33: US 31: 15/990,314 32: 2018-05-25

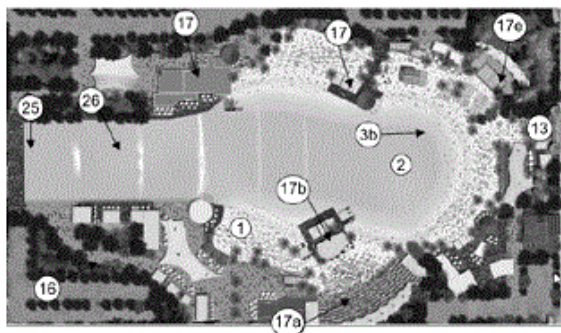
33: US 31: 62/639,211 32: 2018-03-06

33: US 31: 62/625,190 32: 2018-02-01

54: A PUBLICLY ACCESSIBLE URBAN BEACH ENTERTAINMENT COMPLEX INCLUDING A SURF FEATURE WITH A CENTERPIECE MAN-MADE TROPICAL-STYLE LAGOON AND METHOD FOR PROVIDING EFFICIENT UTILIZATION OF LIMITED USE LAND

00: -

A publicly accessible urban beach entertainment complex is disclosed, with a man-made tropical, pristine-clear lagoon as the centerpiece of the complex. The lagoon includes a surf feature and surrounding the lagoon are entertainment, educational, sports, and commercial facilities. The complex has a controlled public access and provides the look and feel of a tropical beach with clear waters and sandy beaches. In addition a method for efficiently utilizing facilities and land that are vacant, underutilized, have limited uses, or that are contiguous to or nearby recreational, educational, sports, or commercial venues is disclosed. The method providing a publicly accessible urban beach entertainment complex with a centerpiece man-made tropical-style pristine-clear lagoon having a surf feature. The method allows for generating revenue and increasing efficiency by pairing vacant sites, underutilized sites, limited use land, or sites that are contiguous to entertainment, educational, sports, and/or commercial venues with urban beach entertainment complexes. The complex preferably has a controlled public access, thereby allowing entrance upon payment of a fee.



72: BARLOW, TAMMIE ROSE, BATES, SUSAN, HADDLETON, DAVID MARK, KHOSHDEL, EZAT, KIRBY, GAVIN WILLIAM

33: EP 31: 18164893.2 32: 2018-03-29

54: SWEAT MAPPING METHOD

00: -

A method for mapping sweat production from the human skin, said method comprising the application of a polydiacetylene (PDA) prepared from a derivative of a conjugated diynoic acid having at least 18 carbon atoms, wherein the PDA changes colour when exposed to sweat, but does not change colour when exposed to pure water.

21: 2020/05396. 22: 2020/08/28. 43: 2021/11/09

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: BERGSTRÖM, MATTIAS, DUDDA, TORSTEN, EKLÖF, CECILIA

33: US 31: 62/653,195 32: 2018-04-05

54: RADIO LINK FAILURE MANAGEMENT IN WIRELESS COMMUNICATION NETWORKS

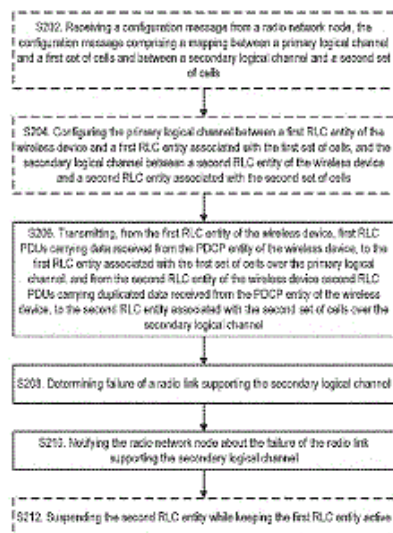
00: -

In some aspects, methods, apparatuses, and computer program products are provided for handling RLC failures in PDCP duplication where there are two logical channels on which a PDCP entity can send packets. In some aspects, the radio network node may determine a mapping between the primary and secondary logical channels and serving cells, and how this mapping can be configured for the wireless device. In some aspects, the wireless device may take different actions depending on which of a primary and a secondary logical channel, i.e. RLC entity, fails. In some aspects, the wireless device operating in PDCP duplication may notify the radio network node about the failure of a radio link supporting the secondary logical channel without triggering the RLF procedure.

21: 2020/05394. 22: 2020/08/28. 43: 2021/11/09

51: A61B; C09D; G01N

71: UNILEVER PLC



21: 2020/05397. 22: 2020/08/28. 43: 2021/11/09
 51: A61K; A61Q; B65D
 71: UNILEVER PLC
 72: ASKEM, HARRIET JADE, LUCKWELL, CRAIG JAMES

33: EP 31: 18164854.4 32: 2018-03-29

54: ANTIPERSPIRANT PRODUCTS

00: -

An antiperspirant (AP) aerosol product comprising (A) an aerosol composition comprising a volatile propellant and an AP active comprising a basic aluminium chloride compound of formula $\text{Al}_2\text{OH}_{4.4}\text{Cl}_{1.6}$ to $\text{Al}_2\text{OH}_{4.9}\text{Cl}_{1.1}$, a water-soluble calcium salt and an amino acid, and (B) an aerosol dispenser comprising a container body comprising a chamber for holding the aerosol composition and an aerosol valve, the aerosol valve comprising a housing holding the valve stem and a spring, said aerosol valve being held into the container body by a valve cup internally lacquered with a protective coating, wherein the AP active has a molar ratio of calcium to aluminium of greater than 1: 20 and a molar ratio of glycine to aluminium of greater than 1: 5.

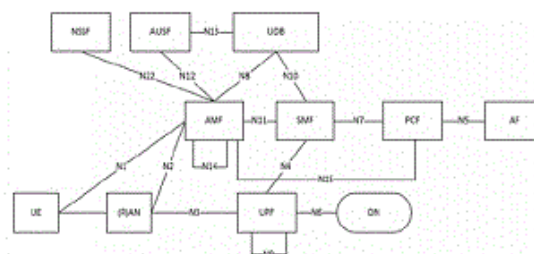
21: 2020/05398. 22: 2020/08/28. 43: 2021/11/09
 51: H04W
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: LINDHEIMER, CHRISTOFER, MILDH, GUNNAR, ARSHAD, MALIK WAHAJ, DA SILVA, ICARO L. J, SUSITAIVAL, RIIKKA
 33: US 31: 62/669,790 32: 2018-05-10

54: MANAGING EXTENDED 5G-S-TMSI IN LTE CONNECTED TO 5GC

00: -

A method of operation of a wireless device in a wireless network includes transmitting a first message to a network node and transmitting a second message to the network node. The second message includes a second portion of an identifier associated with the wireless device and a second portion of an access and mobility management (AMF) identifier (ID) in response to the first message including at least a first portion of the identifier associated with the wireless device and at least a first portion of the AMF ID.



21: 2020/05435. 22: 2020/08/31. 43: 2021/11/09
 51: B01F; B08B

71: MASCHINENFABRIK GUSTAV EIRICH GMBH & CO. KG

72: BLAU, SIMON, SCHMITT, CLEMENS

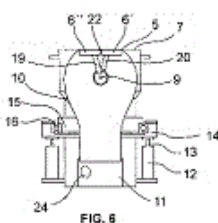
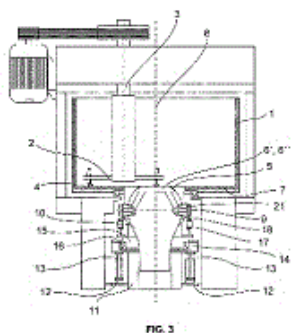
33: DE 31: 10 2018 106 192.7 32: 2018-03-16

54: MIXING DEVICE HAVING A TWO-PART CLOSURE LID

00: -

The present invention relates to a mixing device, comprising a container (1) for receiving material for mixing, wherein a discharge opening (5) is disposed in the base thereof, and a closure lid (6', 6'') for closing the discharge opening (5). In order to provide a mixing device which has a discharge opening (5) that can be opened and closed in a simple and space-saving manner, it is proposed according to the invention that the closure lid (6', 6'') consists of two closure lid parts (6', 6'') which can be moved back and forth relative to one another between a closed position, in which the two closure lid parts (6', 6'') contact each other and together form the closure lid (6', 6''), and an open position, in which the two closure lid parts (6', 6'') are spaced apart from one another, so that an opening for removing the

material for mixing from the container (1) is formed between the two closure lid parts (6', 6'').



21: 2020/05439. 22: 2020/08/31. 43: 2021/11/09

51: D01F; B01D; D04H

71: TOYOBO CO., LTD.

72: MAEDA, TAKURO, SUGIYAMA, HIROFUMI, ODA, SHOJI

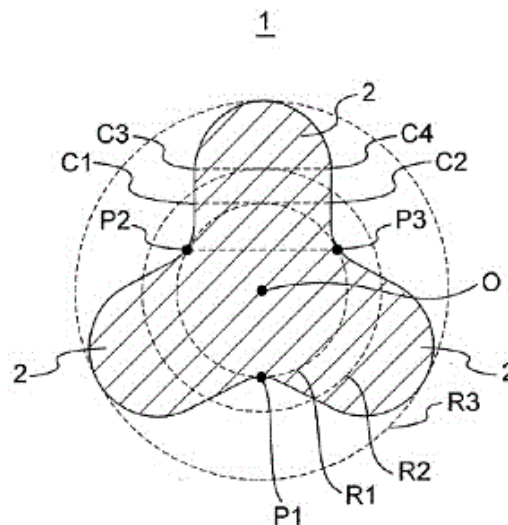
33: JP 31: 2018-199501 32: 2018-10-23

33: JP 31: 2018-065558 32: 2018-03-29

54: POLYPHENYLENE SULFIDE FIBER AND NON-WOVEN FABRIC

00: -

Provided are: polyphenylene sulfide fibers having modified cross sections that make cutting thereof difficult; and a non-woven fabric containing the polyphenylene sulfide fibers. Polyphenylene sulfide fibers according to the present invention are characterized by having modified cross sections and a C value of 19.0 or greater, the C value being defined by formula (1) including tensile strength A (cN/dtex) and rupture elongation B (%). (1): C value = $A \times \sqrt{B}$.



21: 2020/05443. 22: 2020/08/31. 43: 2021/11/09

51: B01D

71: ARKEMA FRANCE

72: JAIN, SANDEEP, GOMES, LEONEL, TERRIGEOL, ALEXANDRE

33: FR 31: 1852301 32: 2018-03-18

54: METHOD OF DECARBONATING GAS STREAMS

00: -

The present invention concerns a method of decarbonating a gas stream containing from 15% to 60% carbon dioxide, by passage of the said gas stream over a zeolitic agglomerate comprising at least one binder and at least one zeolite, and having a mesoporous volume of between 0.02 cm³.g⁻¹ and 0.15 cm³.g⁻¹ and a mesoporous volume fraction of between 0.1 and 0.5, preferably between 0.15 and 0.45.

21: 2020/05515. 22: 2020/09/04. 43: 2021/11/29

51: G06Q; G06K

71: WINNOW SOLUTIONS LIMITED

72: ZORNES, MARC, DUFFY, KEVIN, WOOSNAM, DAVID, KREBS, PETER LEONARD, PHAM, MINH-TRI, VO, PHONG, HAYNES, MARK

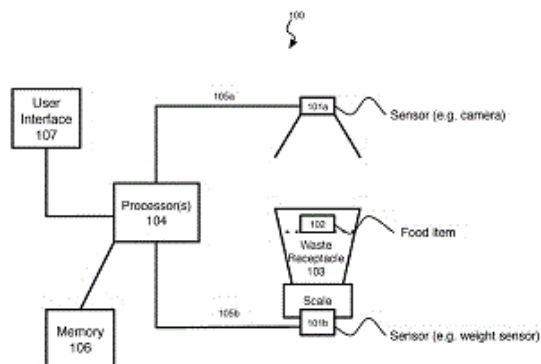
33: GB 31: 1802022.2 32: 2018-02-07

54: A METHOD AND SYSTEM FOR CLASSIFYING FOOD ITEMS

00: -

The present invention relates to a method for classifying food items. The method includes the steps of: capturing one or more sensor data relating to a food item event; and classifying the food item, at least in part, automatically using a model trained on

sensor data. A system and software are also disclosed.



21: 2020/05538. 22: 2020/09/07. 43: 2021/11/09
51: B60K; B60L

71: TAE TECHNOLOGIES, INC.

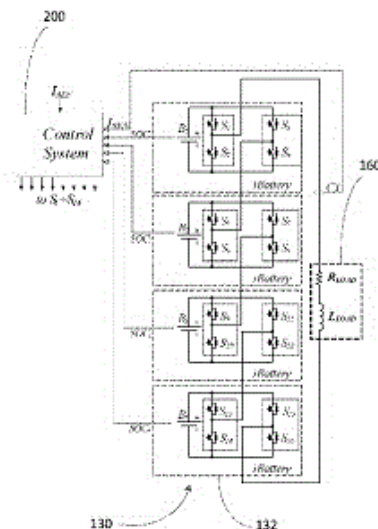
72: SLEPCHENKOV, MIKHAIL, NADERI, ROOZBEH

33: US 31: 62/646,861 32: 2018-03-22

54: SYSTEMS AND METHODS FOR POWER MANAGEMENT AND CONTROL

00: -

Systems and methods directed to improved battery management, motor control, energy storage and battery charging. The systems and methods enable vehicle electrification and provides a paradigm changing platform that enables integration of battery management, charging and motor controls with means to manage regenerative braking, traction and handling. In embodiments, systems and methods are directed to a unified modular battery pack system having a cascaded architecture comprising an integrated combination of a networked low voltage converter/controller with peer-to-peer communication capability, embedded ultra-capacitor or other secondary energy storage element, battery management system and serially connected set of individual cells as the fundamental building block.



21: 2020/05540. 22: 2020/09/07. 43: 2021/11/09
51: B65D; B29C

71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA

72: PUCCI, FABRIZIO, PARRINELLO, FIORENZO

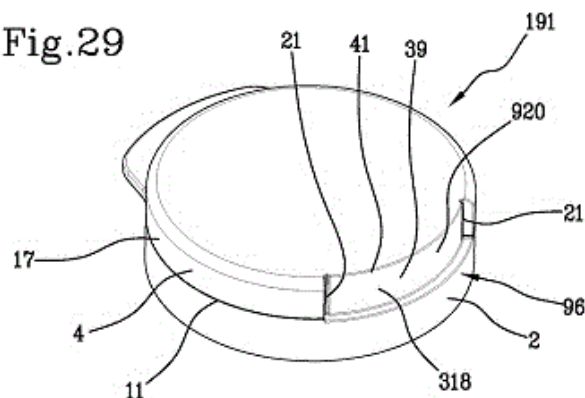
33: IT 31: 102018000003429 32: 2018-03-12

54: CAP FOR A CONTAINER, AND ITS PRODUCTION METHOD

00: -

A cap for a container comprises: - a retaining ring (2) suitable for being associated with a neck (3) of the container, the retaining ring (2) extending about an axis (Z); - a closure element (4) for opening or closing an opening (5) defined by the neck (3) of the container; - a hinge structure (6; 76; 96; 296) interposed between the closure element (4) and the retaining ring (2) so as to allow the closure element (4) to be rotated relative to the retaining ring (2). The retaining ring (2) and the closure element (4) are separated by a separation line (11; 111), which extends externally of the hinge structure (6; 76; 96; 296). The hinge structure (6; 76; 96; 296) comprises at least one connection band (18; 118; 318; 918) which connects the closure element (4) to the retaining ring (2), the connection band (18; 118; 318; 918) being defined inside a recess (20; 720, 820; 920) provided in a side wall of the cap, the side wall extending about said axis (Z).

Fig.29



21: 2020/05590. 22: 2020/09/09. 43: 2021/10/26

51: A61K

71: NYMOX CORPORATION

72: AVERBACK, Paul

33: US 31: 15/938,920 32: 2018-03-28

54: METHOD OF TREATING BENIGN PROSTATIC HYPERPLASIA WITH ANTIBIOTICS

00: -

Disclosed are methods of improving the symptoms of mammals suffering from BPH using compositions containing one or more antibiotics. The method includes, but is not limited to, administering at least one antibiotic in one or more courses of treatment by one or more administration routes selected from intramuscularly, orally, intravenously, intrathecally, intratumorally, intranasally, topically, and transdermally, either alone or with a carrier to a mammal in need thereof.

21: 2020/05720. 22: 2020/09/15. 43: 2021/11/09

51: A61K; C07K; C12Q; G01N

71: THE CHILDREN'S MEDICAL CENTER CORPORATION

72: CHATILA, TALAL AMINE, HARB, HANI, XIA, MINGCAN, MASSOUD, AMIR

33: US 31: 62/643,476 32: 2018-03-15

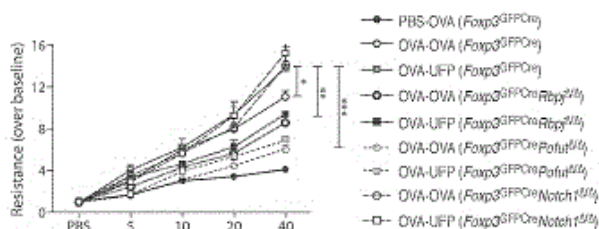
33: US 31: 62/659,379 32: 2018-04-18

33: US 31: 62/652,630 32: 2018-04-04

54: METHOD FOR TREATING ASTHMA OR ALLERGIC DISEASE

00: -

Described herein are methods and compositions for treating asthma or an allergic disease. Aspects of the invention relate to administering to a subject an agent that targets Notch4. In one embodiment, the agent is an anti-Notch4 antibody.



21: 2020/05724. 22: 2020/09/15. 43: 2021/11/09

51: E21B

71: EPIROC ROCK DRILLS AKTIEBOLAG

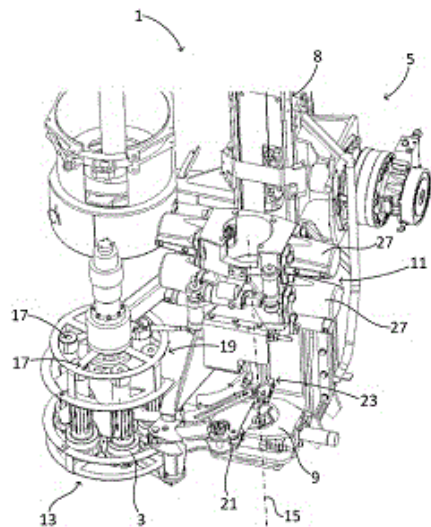
72: HELLMAN, ANDERS

33: SE 31: 1850598-2 32: 2018-05-21

54: SYSTEM FOR DRILL BIT CHANGE IN A DRILLING RIG, DRILLING RIG COMPRISING SUCH A SYSTEM, AND A METHOD FOR CHANGING DRILL BITS USING SUCH A SYSTEM

00: -

The invention relates to a drill bit change system (1) for at least semi-automatic changing of drill bits (3) in a drilling rig (5) configured for vertical drilling. The drilling rig (5) comprises an interchangeable plurality of drill pipes (7), wherein drill bits (3) are arranged at an end section of an end drill pipe. The drill bit (3) being attached to the end section by means of a threaded connection and torque being provided to the drill bit (3) by means of a splines coupling. The drilling rig (5) further comprises a lower support device (9) and a breaker device (11). The system (1) further comprises a drill bit storage device (13) arranged to hold a plurality of drill bits (3), a gripping arm (21) comprising gripping means (23) configured for selective gripping of a drill bit (3). The gripping arm (21) may further comprise a movement sensor, arranged to monitor movement of the gripping arm (21), and the system (1) may further comprise a control unit. The control unit being arranged to receive input from the sensors and the drilling rig (5), and to control movement of the gripping arm (21), the gripping means (23), the drill bit storage device (13), and the breaker device (11) of the drilling rig (5). The invention further relates to such a drilling rig (5) comprising such a system (1), at to a method for changing a drill bit (3) in such a drilling rig (5). Even further, the invention relates to software that when stored in a control unit of such a system (1) and is executed performs the method.



21: 2020/05772. 22: 2020/09/17. 43: 2021/11/09
51: A61K; C07D; A61P
71: BEIGENE, LTD.
72: ZHANG, Guoliang, ZHOU, Changyou
33: CN 31: PCT/CN2018/082140 32: 2018-04-08

54: PYRAZOLOTRIAZOLOPYRIMIDINE DERIVATIVES AS A2A RECEPTOR ANTAGONIST
00: -

Disclosed herein is a pyrazolotriazolopyrimidine derivative or a stereoisomer thereof, or a pharmaceutically acceptable salt thereof useful as an A2A receptor antagonist, and a pharmaceutical composition comprising the same. Also disclosed herein is a method of treating cancer using the pyrazolotriazolopyrimidine derivative or a stereoisomer thereof, or a pharmaceutically acceptable salt thereof as an A2A receptor antagonist.

21: 2020/05816. 22: 2020/09/18. 43: 2021/11/09
51: C07C
71: UNILEVER PLC
72: DUNN, ERIN WHITFIELD, HARICHIAN, BIJAN, SHILOACH, ANAT, WINTERS, JOHN ROBERT
33: EP 31: 18169068.6 32: 2018-04-24

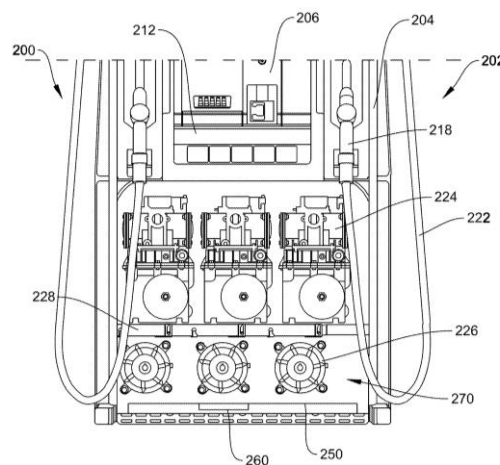
54: ENHANCED CONVERSION OF TAURINE TO ALKYL TAURATE AMIDE USING PHOSPHORIC ACID CATALYSTS
00: -

The invention relates to method of enhancing yield of alkyl taurate amides using enhancing specifically phosphoric acid catalysts. It further relates to the use

of phosphoric acid to enhance yield while avoiding and/or reducing undesirable browning.

21: 2020/05846. 22: 2020/09/21. 43: 2021/11/29
51: B67D
71: WAYNE FUELING SYSTEMS, LLC
72: FIEGLEIN, Henry, CEROVSKI, Thomas
33: US 31: 15/933,617 32: 2018-03-23
54: FUEL DISPENSER WITH LEAK DETECTION
00: -

Devices, methods, and systems are provided for detection of various leaks within fuel dispensers, such as through visualization within a fuel dispenser. An exemplary fuel dispenser can include a housing having fuel dispensing components disposed therein, a control system in the housing for controlling the dispensing of fuel, and a leak detection assembly for detecting a fluid leak within the housing, and for visually confirming the presence of a leak using an imaging device.



21: 2020/05847. 22: 2020/09/21. 43: 2021/11/29
51: A61K; C12N
71: VALO THERAPEUTICS OY
72: RANKI, Tuuli, PESONEN, Sari, PRIHA, Petri, YLÖSMÄKI, Erko, CERULLO, Vincenzo, MARTINS, Beatriz
33: GB 31: 1804468.5 32: 2018-03-21
33: GB 31: 1814866.8 32: 2018-09-13

54: CANCER THERAPY
00: -

The invention concerns a modified oncolytic adenovirus; a pharmaceutical composition comprising same; and a method of treating cancer using same.

21: 2020/05848. 22: 2020/09/21. 43: 2021/11/29
51: A61K; C12N

71: VALO THERAPEUTICS OY

72: RANKI, Tuuli, PESONEN, Sari, PRIHA, Petri,
YLÖSMÄKI, Erkkö, CERULLO, Vincenzo,
MARTINS, Beatriz

33: GB 31: 1804473.5 32: 2018-03-21

33: GB 31: 1814867.6 32: 2018-09-13

54: MODIFIED ONCOLYTIC ADENOVIRUSES

00: -

The invention concerns a modified replication competent, oncolytic adenovirus; a pharmaceutical composition comprising same; and a method of treating cancer using same.

21: 2020/05858. 22: 2020/09/22. 43: 2021/11/12
51: G01R

71: DOBLE ENGINEERING COMPANY

72: LACHMAN, MARK F

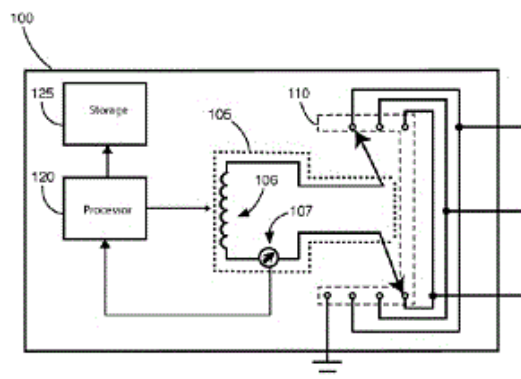
33: US 31: 15/436,403 32: 2017-02-17

54: SYSTEM AND METHOD FOR PERFORMING TRANSFORMER DIAGNOSTICS

00: -

The invention relates to a method and system for performing diagnostics on a target transformer. The method includes (i) controlling, by a processor of diagnostic equipment, a voltage source to output a voltage to a target transformer at a first frequency, (ii) measuring a magnitude and a phase angle of a first excitation current of the target transformer with respect to the voltage at the first frequency, (iii) controlling, by the processor of diagnostic equipment, the voltage source to output the voltage to the target transformer at a second frequency, the second frequency being greater than or less than the first frequency, (iv) measuring a magnitude and a phase angle of a second excitation current of the target transformer with respect to the voltage at the second frequency, (v) determining, as a function of the magnitude and phase angle of the first excitation current and the second excitation current, an inductive component, a capacitive component, or both for the target transformer, (vi) determining, by the processor of diagnostic equipment, a pattern for the target transformer, the pattern formed by the inductive component, the capacitive component, or both, (vii) comparing, by the processor of diagnostic equipment, the pattern formed by the inductive component, the capacitive component, or both with

another pattern previously determined for the target transformer, a benchmark transformer, or both, and (viii) outputting, by the processor of diagnostic equipment, a diagnostic analysis of the target transformer.



21: 2020/06005. 22: 2020/09/29. 43: 2021/11/09
51: H01M

71: AVL LIST GMBH

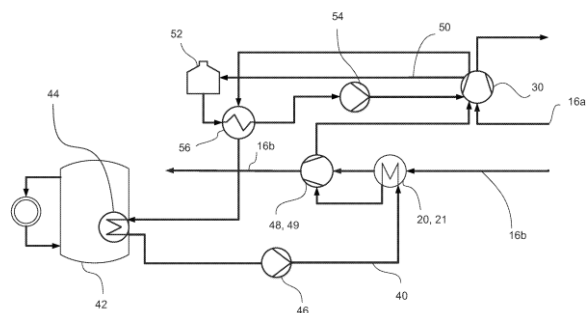
72: SOUKUP, Nikolaus, HAUTH, Martin

33: AT 31: A50355/2018 32: 2018-04-26

54: FUEL CELL SYSTEM

00: -

The present invention relates to a fuel cell system comprising a fuel supply unit, at least one high-temperature fuel cell having a cathode and an anode and an electrolyte between the cathode and anode. The cathode has a cathode supply line and the anode has an anode supply line, wherein the anode is fluidically connected via the anode supply line to the fuel supply unit. Furthermore, a reforming device is arranged in the anode supply line. In addition, an anode exhaust gas line is provided for at least discharging anode exhaust gas from the anode. The fuel cell system has an exhaust gas heat exchanger for cooling exhaust gas and a recirculation conveyor for returning anode exhaust gas to the reforming device. The recirculation conveyor and the exhaust gas heat exchanger are connected to one another in fluid communication for respective cooling via a common cooling circuit, which has a central cooling fluid store as a fluid source with a heat exchanger and in which cooling fluid can be circulated in a cooling line. In addition, the cooling circuit has at least one pump for conveying cooling fluid. The invention further relates to a method for cooling a fuel cell system.



21: 2020/06069. 22: 2020/09/30. 43: 2021/11/09

51: H04W

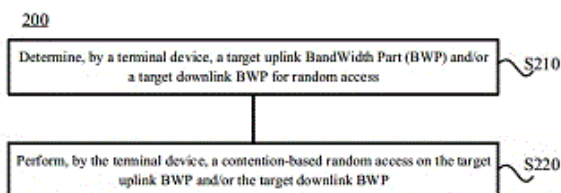
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

72: SHI, CONG

54: RANDOM ACCESS METHOD AND DEVICE

00: -

Disclosed in embodiments of the present application are a random access method and device. The method comprises: a terminal device determining a target uplink bandwidth part (BWP) and/or a target downlink BWP for random access; and the terminal device initiating a contention-based random access on the target uplink BWP and/or the target downlink BWP.



21: 2020/06070. 22: 2020/09/30. 43: 2021/11/09

51: A61M

71: INJECTO GROUP A/S

72: HETTING, MIKAEL

33: DK 31: PA 2018 00637 32: 2018-09-24

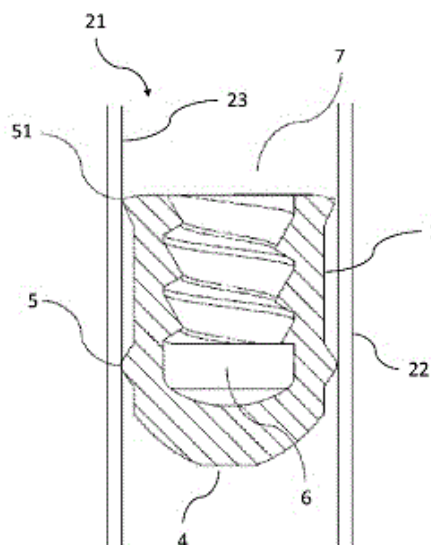
33: DK 31: PA 2018 00135 32: 2018-03-27

54: STOPPER WITH LOW FORCE FOR USE IN AN INJECTOR

00: -

The present invention relates to stopper (1) for an injector for delivery of a pharmaceutical composition and to an injector with the stopper. The stopper has a stopper body (2) with an actuating surface (3) opposite an outlet surface (4), an axial length between the actuating surface and the outlet surface, and a transverse diameter, which stopper body defines an access diameter, the stopper at an

axial location from the actuating surface comprising a deformable sealing element (5) surrounding the stopper body and having an outer diameter, which is larger than the transverse diameter, which deformable sealing element is made from a thermoplastic elastomer (TPE) and has an axial extension in the range of 5% and 95% of the axial length of the stopper body, and the stopper comprising a cavity (6) at the axial location of the deformable sealing element, the cavity having a lateral extension larger than the access diameter of the stopper body.



21: 2020/06076. 22: 2020/09/30. 43: 2021/11/09

51: B01D

71: VEOLIA WATER SOLUTIONS & TECHNOLOGIES SUPPORT

72: JIBERT, JOHAN GUSTAV ALEXANDER

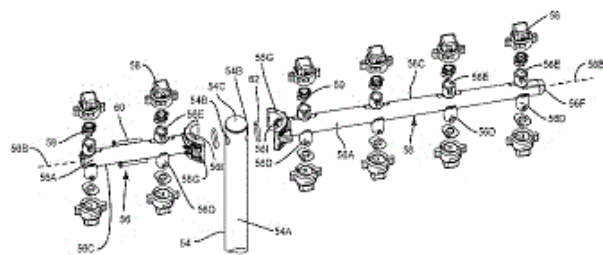
33: US 31: 15/952,474 32: 2018-04-13

54: ROTARY DISC FILTER HAVING A BACKWASH SYSTEM THAT INCLUDES A COMPACT NOZZLE SUPPORT STRUCTURE

00: -

A rotary disc filter having a backwash system that includes a series of feed pipes that project into and between successive filter discs that are mounted on a rotatable drum. Connected to an outer terminal end portion of the feed pipes is a series of nozzle holders. Each nozzle holder includes a main conduit, a series of branch conduits that project outwardly from the main conduit, and a connector for connecting the nozzle holder to a respective feed

pipe. A series of detachable nozzles are secured to the outer terminal ends of the branch conduits.



21: 2020/06103. 22: 2020/10/02. 43: 2021/11/19

51: C07K

71: SANOFI

72: LANGE, Christian, CORVEY, Carsten, YANG, Zhi-Yong, NABEL, Gary, J., WEI, Ronnie, BENINGA, Jochen, WU, Lan, SEUNG, Edward, BEIL, Christian, LEUSCHNER, Wulf Dirk, RAO, Ercole

33: US 31: 62/322,036 32: 2016-04-13

33: US 31: 62/331,191 32: 2016-05-03

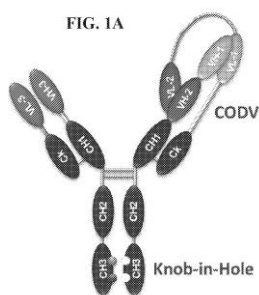
33: US 31: 62/412,187 32: 2016-10-24

33: EP 31: EP17305298.6 32: 2017-03-17

54: TRISPECIFIC AND/OR TRIVALENT BINDING PROTEINS

00: -

The disclosure provides trispecific and/or trivalent binding proteins comprising four polypeptide chains that form three antigen binding sites that specifically bind one or more target proteins, wherein a first pair of polypeptides forming the binding protein possess dual variable domains having a cross-over orientation and wherein a second pair of polypeptides forming the binding protein possess a single variable domain. The disclosure also provides methods for making trispecific and/or trivalent binding proteins and uses of such binding proteins.



21: 2020/06128. 22: 2020/10/02. 43: 2021/11/19

51: C07D; C07C

71: JIANGSU HENGRUI MEDICINE CO., LTD., SHANGHAI SHENGDI PHARMACEUTICAL CO., LTD

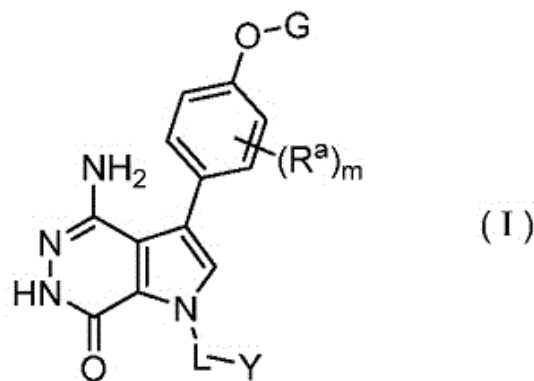
72: ZHU, LINGJIAN, GUAN, ZHONGJUN, JIANG, WEI, HUANG, JIAN

33: CN 31: 201810328604.7 32: 2018-04-13

54: METHOD FOR PREPARING PYRROLOAMINOPYRIDAZINONE COMPOUND AND INTERMEDIATES THEREOF

00: -

The present invention relates to a method for preparing a pyrroloaminopyridazinone compound and intermediates thereof. Specifically relating to a method for preparing the compound of formula (I), the target product being prepared by means of changing the starting materials and intermediates; the present method has the advantages of reactants such as the starting materials being easy to purchase, the reaction conditions being simple and controllable, the post-reaction treatment method being simple, the yield being high, and being beneficial for industrial production.



21: 2020/06130. 22: 2020/10/02. 43: 2021/11/19

51: C10L; C10M

71: CHEVRON ORONITE COMPANY LLC, CHEVRON U.S.A. INC.

72: CHERPECK, RICHARD EUGENE, MARIA, AMIR GAMAL, ELLIOTT, IAN G, GUNAWAN, THERESA LIANG

33: US 31: 62/767,686 32: 2018-11-15

33: US 31: 62/647,186 32: 2018-03-23

54: COMPOSITION AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN SPARK-IGNITED INTERNAL COMBUSTION ENGINES

00: -

Fuel and lubricant compositions are provided that contain a primary low-speed pre-ignition (LSPI)-reducing additive comprising (i) an amino additive, (ii) an amine additive, (iii) a triazole additive, (iv) a benzamidinium additive, (v) a benzoxazole additive, or (vi) a N=C-X motif additive. Methods for preventing or reducing low speed pre-ignition events in spark-ignited engines using these compositions are also provided.

21: 2020/06131. 22: 2020/10/02. 43: 2021/11/19
51: B01J; C07C
71: DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES
72: LIU, SHIPING, ZHU, WENLIANG, LIU, ZHONGMIN, NI, YOUMING, LIU, HONGCHAO, LIU, YONG, MA, XIANGANG
54: COMPOSITE CATALYST, METHOD FOR PREPARING THE SAME, AND METHOD FOR PRODUCING ETHYLENE
00: -

The present application discloses a composite catalyst, a method for preparing the same and a method for producing ethylene. The composite catalyst comprises a zirconium-based oxide and a modified acidic zeolite, wherein the mass content of the zirconium-based oxide is in a range from 10wt% to 90wt%, and the mass content of the modified acidic zeolite is in a range from 10wt% to 90wt%. The method for preparing the composite catalyst is simple. The composite catalyst is used to produce ethylene, breaking the ASF distribution law of hydrocarbons in Fischer-Tropsch (F-T) synthesis process, and the ethylene selectivity reaches up to 86%.

21: 2020/06164. 22: 2020/10/05. 43: 2021/11/19
51: H04L; H04W
71: Huawei Technologies Co., Ltd.
72: SUN, Hao, XUE, Lixia, YANG, Fan
33: CN 31: 201810302333.8 32: 2018-04-04
54: UPLINK CONTROL INFORMATION SENDING AND RECEIVING METHOD AND APPARATUS
00: -
Disclosed are a method and apparatus for sending and receiving uplink control information. The sending method comprises: receiving first information from a network device, wherein the first information comprises an acknowledgement resource indication (ARI) field; determining a first uplink control channel

PUCCH resource set according to a load size of a hybrid automatic repeat request (HARQ-ACK); determining a first PUCCH resource from the first PUCCH resource set according to the ARI field, wherein the first PUCCH resource partially overlaps with a second PUCCH resource in time; or the first PUCCH resource does not overlap with a second PUCCH resource in time, and the first PUCCH resource and the second PUCCH resource partially overlap with at least one third PUCCH resource, respectively, in time, and wherein the second PUCCH resource is used for transmitting channel state information (CSI), and the at least one third PUCCH resource is used for transmitting at least one positive scheduling request (SR); determining a second PUCCH resource set according to a total load size, wherein the total load size is determined according to a load size of the state of the SR, a load size of the CSI, and a load size of the HARQ-ACK; determining a fourth PUCCH resource from the second PUCCH resource set according to the ARI field; and sending the HARQ-ACK, the CSI and at least one SR state to the network device on the fourth PUCCH resource, wherein the SR state indicates a positive SR or a negative SR. Therefore, the uplink sending of a single carrier characteristic by a terminal device can be maintained, and it can be ensured that the UCI is correctly received by a network device at the same time.



图 2

21: 2020/06168. 22: 2020/10/05. 43: 2021/11/19
51: A61K
71: THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
72: GARCIA, KENAN CHRISTOPHER, SOCKOLOSKY, JONATHAN, PICTON, LORA
33: US 31: 15/916,689 32: 2018-03-09
54: BIOLOGICALLY RELEVANT ORTHOGONAL CYTOKINE/RECEPTOR PAIRS
00: -

Engineered orthogonal cytokine receptor/ligand pairs, and methods of use thereof, are provided.

21: 2020/06170. 22: 2020/10/05. 43: 2021/11/19
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

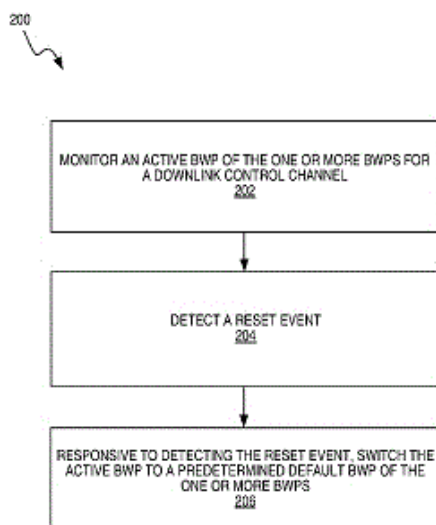
72: DA SILVA, ICARO L. J, HOFSTRÖM, BJÖRN, CHRISTOFFERSSON, JAN, FOLKE, MATS

33: US 31: 62/669,578 32: 2018-05-10

54: MAC RESET PROCEDURES

00: -

According to an aspect, a wireless device is configured to selectively operate in one or more bandwidth parts, BWPs, configured by the wireless communication network. In some embodiments, the wireless device detects (302) a reset event triggering a reset of a Medium Access Control, MAC, entity in the wireless device, and, responsive to detecting the reset event, resets (304) a counter that tracks beam failure indications.



21: 2020/06173. 22: 2020/10/05. 43: 2021/11/19
51: A61M; F03G

71: BASECAMP VASCULAR

72: CAZENEUVE, JEAN-BAPTISTE, MAIANO, CAMILLE

33: EP 31: 18305452.7 32: 2018-04-12

54: ELONGATED FUNCTIONAL SYSTEM CONFIGURED TO BE ADVANCED IN THE LUMEN OF A PIPE, A DUCT OR A TUBE

00: -

An elongated functional system (1) configured to be advanced in the lumen of a pipe, a duct or a tube,

said system having a body part (6) having a main proximal part (2) and a distal part (3), said distal part (3) being a continuous extension of the proximal part (2), said distal part (3) comprising one functional end (3d) terminating with a tip, and at least one active area (3p) located upstream the functional end (3d) on the distal part (3); and at least one actuator (30d, 30p) configured to transform an amount of energy to the distal part (3) sufficient to cause a reversible curvature of the active area (3p), thereby preventing undesired spring back of the whole system; the actuator (30d, 30p) being connectable to a source of energy.

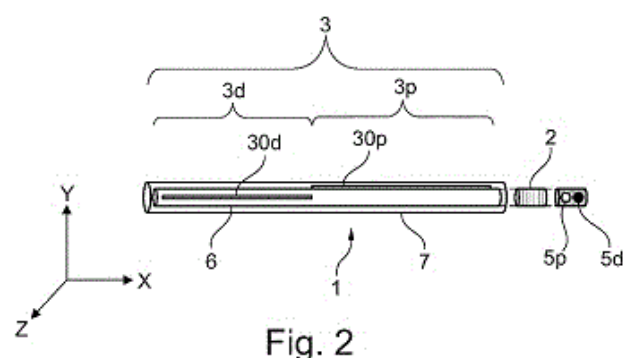


Fig. 2

21: 2020/06185. 22: 2020/10/06. 43: 2021/11/19
51: B65D

71: RUNWAY BLUE, LLC

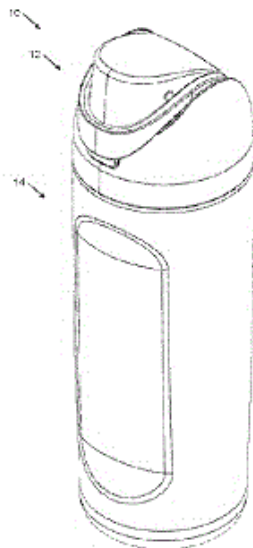
72: FAERBER, PAUL JAMES, COLBY, JIM ALLEN, OMDAHL, II JOHN R, MEYERS, DAVID O, JACOBSEN, JOSEPH O, SORESENSEN, STEVEN M
33: US 31: 62/669,882 32: 2018-05-10

54: CONTAINER LID WITH BUTTON RELEASE AND LOCK

00: -

A container lid includes a container top, a lid opening, a closure, a push button, and a lock. The container top may be sized and configured to be attached to a container body. The lid opening may be formed in the container top. The closure may be movably coupled to the container top and may be movable between first and second positions in which the lid opening is, respectively, covered or uncovered. The push button may be configured to selectively retain the closure in the first position, and may be movable between latched and unlatched positions. The lock may be movable between locked and unlocked positions and in the locked position

may be configured to inhibit movement of the push button from the latched to the unlatched position.



21: 2020/06213. 22: 2020/10/07. 43: 2021/11/19
51: C12Q; G01N; G16B
71: PATHOGENDX, INC.
72: HOGAN, Michael Edward, MAY, Melissa Rose, EGGERS, Frederick Henry
33: US 31: 15/916,062 32: 2018-03-08
33: US 31: 15/916,036 32: 2018-03-08
33: US 31: 16/158,276 32: 2018-10-11

54: MICROARRAY BASED MULTIPLEX PATHOGEN ANALYSIS AND USES THEREOF

00: -

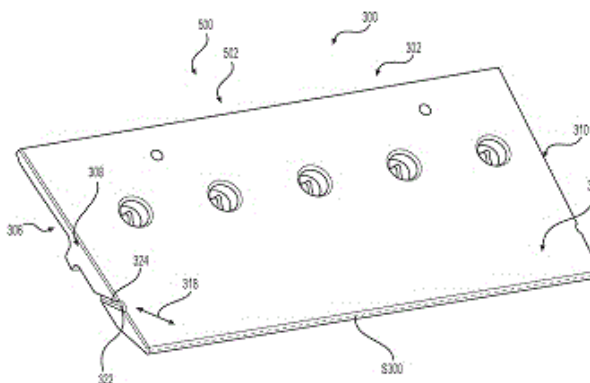
Provided herein is a three-dimensional lattice microarray system for DNA sequence detection and analysis and kits including components of the same. In the system a solid support has a plurality of bifunctional polymer linkers, optionally with a fluorescent label, each with a top domain and a bottom end attached thereto at the bottom end and a plurality of nucleic acid probes attached to the top domain of the plurality of bifunctional polymer linkers. Also provided is a method for fabricating the microarray system and methods to detect and identify pathogens in a plant sample or to determine copy number of a pathogen DNA in an unpurified nucleic acid sample by using a known copy number of synthetic DNA as an internal standard.

21: 2020/06221. 22: 2020/10/07. 43: 2021/11/19
51: E02F
71: CATERPILLAR INC.

72: BJERKE, NATHAN, CONGDON, THOMAS M
33: US 31: 15/939,692 32: 2018-03-29

54: WEAR MEMBER FOR A WORK IMPLEMENT
00: -

A wear member (200, 300, 400, 500) includes a rear mounting region (206, 306, 406) having a shelf (212, 312, 518) forming a bottom surface (214, 314) and a rear surface (216, 316) or a plurality of mounting pads (412, 512) with at least one recess (414, 514) disposed at least partially on at least one of the plurality of the mounting pads (412, 512).



21: 2020/06226. 22: 2020/10/07. 43: 2021/11/19
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: DA SILVA, ICARO L J, MILDH, GUNNAR
33: US 31: 62/667,815 32: 2018-05-07

54: METHODS FOR HANDLING PERIODIC RADIO ACCESS NETWORK NOTIFICATION AREA (RNA) UPDATE CONFIGURATION UPON REJECT

00: -

According to an aspect, a user equipment, UE, in a suspended state in a Radio Access Network, RAN, in response to expiration of a first timer, transmits (1910) an RRCResumeRequest message. The UE receives (1920) a reject message in response to the RRCResumeRequest message. In response to the reject message, the UE starts (1930) a second timer and subsequently transmits (1940) a further RRCResumeRequest message. The further RRCResumeRequest message is received by the network during a period bounded approximately by the lesser of a duration of the second timer and a period of the periodic UE event and the greater of the duration of the second timer and the period of the periodic UE event.

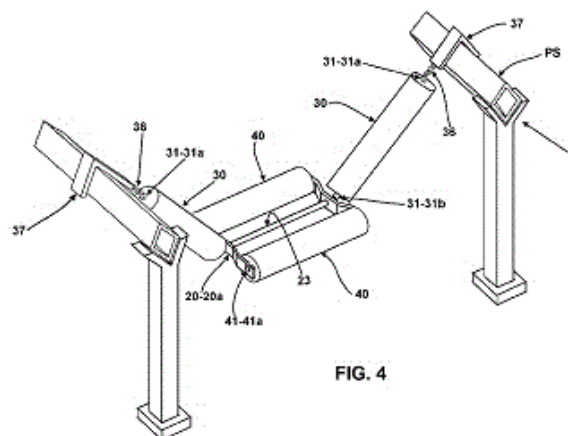
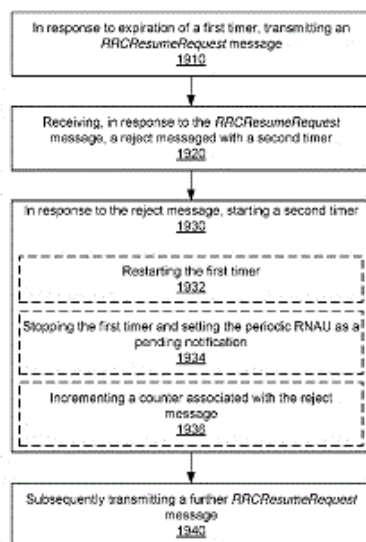


FIG. 4

21: 2020/06227. 22: 2020/10/07. 43: 2021/11/19
51: B65G

71: METSO BRASIL INDÚSTRIA E COMÉRCIO LTDA

72: GOMES, RODRIGO ALFREDO, NIKLEWSKI, ANDRZEJ

33: BR 31: BR 10 2018 006507 6 32: 2018-03-29

54: ROLLER ASSEMBLY FOR A CONVEYOR BELT

00: -

The assembly in question, transversal to the displacement direction of the conveyor belt (CT), comprises two inclined side rollers (30) and two central rollers (40), each one of the rollers (30, 40) being mounted around a respective shaft (31, 41). The shaft (31) of each side roller (30) has an upper end (31a) hinged to a respective support portion (PS) arranged on one side of the conveyor belt (CT), said shaft (41) of each central roller (40) having ends (41a) mounted on opposite sides (20a) of a rocker frame (20), each one of the opposite sides (20a) of the frame (20) having a median portion hinged, in a suspended way, at the lower end (31b) of the shaft (31) of a respective side roller (30).

21: 2020/06228. 22: 2020/10/07. 43: 2021/11/19

51: A01G

71: VILLAMAR, CARLOS R

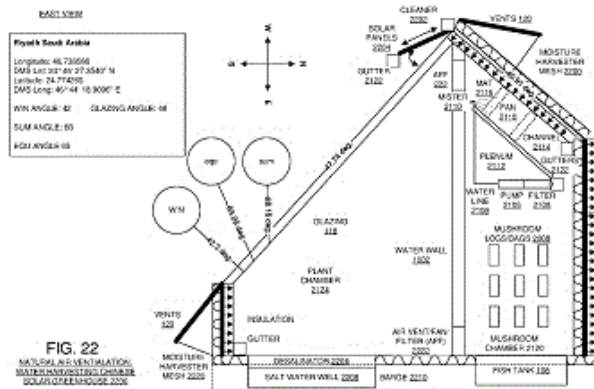
72: VILLAMAR, CARLOS R

33: US 31: 15/917,839 32: 2018-03-11

54: SYSTEM AND METHOD FOR SOLAR GREENHOUSE AQUAPONICS AND BLACK SOLDIER FLY COMPOSTER AND AUTO FISH FEEDER

00: -

An aquaponics and greenhouse system, includes an insulated solar greenhouse with a glazing on a sun facing side at an angle to maximize winter sunlight, and housing a fish tank housed within the solar greenhouse; a plant growing area housed within the solar greenhouse; a mushroom growing area housed within the solar greenhouse; a water wall thermal mass housed within the solar greenhouse and disposed between the plant growing area and mushroom growing area; and a natural air ventilation system housed within the solar greenhouse and configured to provide misted air into the mushroom growing area. O₂ generated by the plant growing area is received by the natural air ventilation system and provided to the mushroom growing area, and CO₂ generated by the mushroom growing area is provided to the plant growing area.



21: 2020/06231. 22: 2020/10/07. 43: 2021/11/19
51: B62D

71: CATERPILLAR INC.

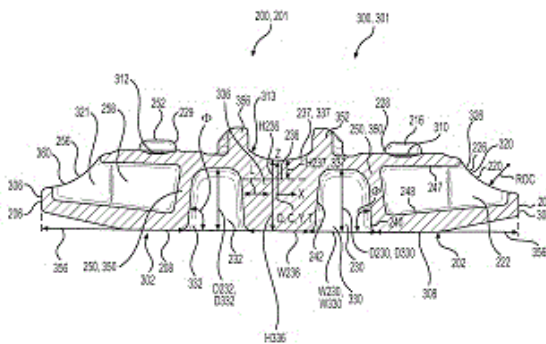
72: JONES, BENJAMIN I, DUMITRU, MIRCEA

33: US 31: 15/921,338 32: 2018-03-14

54: TRACK PAD GEOMETRY FOR HARD SURFACES

00: -

A track chain member (200) according to an embodiment of the present disclosure comprises a first rib (218) coupling the shoe member (202) to the first lug (214); and a second rib (220) coupling the shoe member (202) to the second lug (216), defining a first side recess (222) between the first rib (218) and the second rib (220), the first side recess (222) also extending from the exterior of the shoe member (202) and underneath the first top surface (228), the first lateral end (204) defining a first lateral end width (W204) along the track chain traveling direction (T), the first side recess (222) also spanning the majority of the first lateral end width (W204).



21: 2020/06241. 22: 2020/10/08. 43: 2021/11/19
51: A63F

71: World Table Sport (Pty) Ltd.

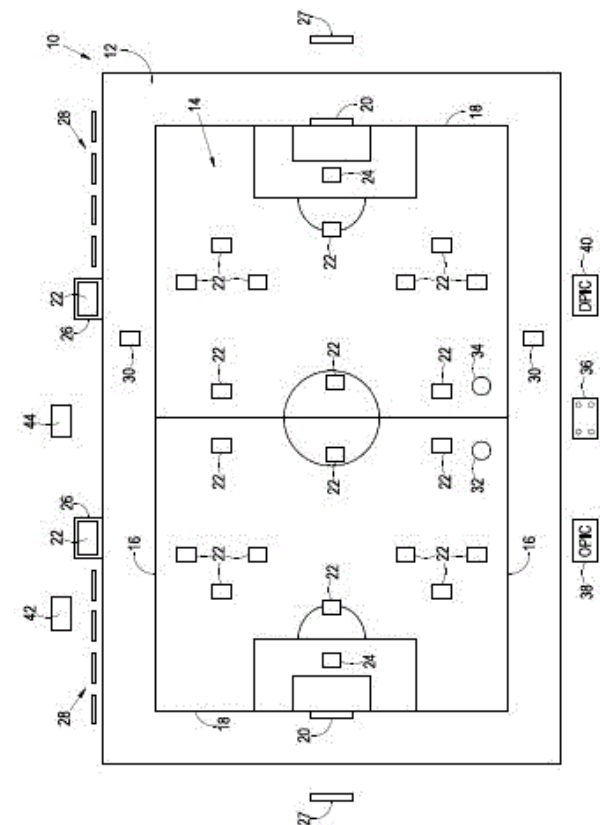
72: GRIGGS, Terrance Edward

33: ZA 31: 2019/04870 32: 2019-07-25

54: SOCCER BOARD GAME

00: -

A soccer board game comprising a playing surface defining a soccer pitch, having goals on either end of the soccer pitch; player pieces for two teams, and a goalkeeper piece for each team, typically in the form of player cards; a ball piece, such as a small button, representing the playing soccer ball; a flicker to move the ball piece, such as a larger button, for example, used as a player tool to control the ball piece; a dice, typically a six sided dice with face numbers, one through to six; a set of offensive player infringement cards, which describe a specific infringement caused by an offensive player playing the ball piece and the associated sanction to the player, and which may prescribe either the issuing of a yellow card or a red card; and a set of defensive player infringement cards.



21: 2020/06242. 22: 2020/10/08. 43: 2021/11/19
51: G06F

71: TERBLANCHE, Kurt

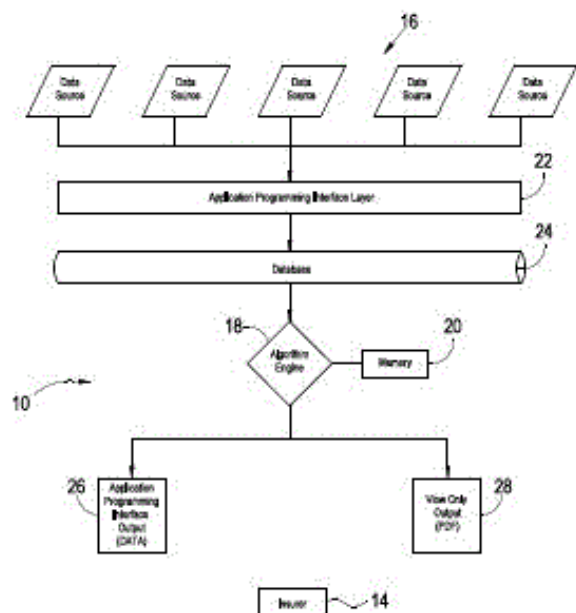
72: TERBLANCHE, Kurt

33: ZP 31: 2019/04871 32: 2019-07-25

54: MEDICAL HISTORY PROCESSING SYSTEM AND METHOD FOR INSURANCE UNDERWRITING PURPOSES

00: -

A computer-implemented medical history processing method for insurance underwriting purposes. The method comprises receiving, by at least one processor, a data request message from a data requestor (i.e. the insurer) requesting data in respect of a person, the data request message including an identifier to identify the person of interest to the data requestor; accessing, by the at least one processor (typically via an application programming interface), a plurality of medical databases that may include medical history data; (the application programming interface) receiving medical history data, by the at least one processor, in respect of the person; formatting the medical history data, by the at least one processor, to comply with the priority requirements of the data requestor; and presenting, by the at least one processor, the prioritised medical history data to the data requestor.



72: MENIN, RUDY, SPOLAORE, PAULINE,

MOULY, ISABELLE

33: FR 31: 1853748 32: 2018-04-27

54: YEAST PROTEINS

00: -

The present invention relates to a method for obtaining yeast proteins comprising the following steps: a) providing a yeast cream; b) exposing this yeast cream to a thermal plasmolysis at a temperature between 70 and 95°C for a period between 30 seconds and 4 hours, preferably between 1 minute and 3 hours, more preferably between 40 minutes and 2 hours; b') separating the insoluble fraction and the soluble fraction; c) subjecting the insoluble fraction to the activity of at least one ribonuclease and a glucanase, sequentially or simultaneously, at a temperature between 40 and 65°C, preferably 60°C, for a period between 8 and 24 hours, preferably 18 hours; d) separating the insoluble fraction from the soluble fraction; wherein the insoluble fraction collected in step d) has no taste, having a nucleotide content less than 3% and a true protein content of at least 72%. Step b') is optional. In this case, the entirety of the composition obtained after thermal plasmolysis of the yeast cream is subjected to enzymatic activity.

21: 2020/06254. 22: 2020/10/08. 43: 2021/11/19

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: MILDH, GUNNAR, DA SILVA, ICARO L J

33: US 31: 62/667,969 32: 2018-05-07

54: METHODS AND APPARATUSES FOR HANDLING RADIO ACCESS NETWORK NOTIFICATION AREA (RNA) UPDATE CONFIGURATION UPON REJECT

00: -

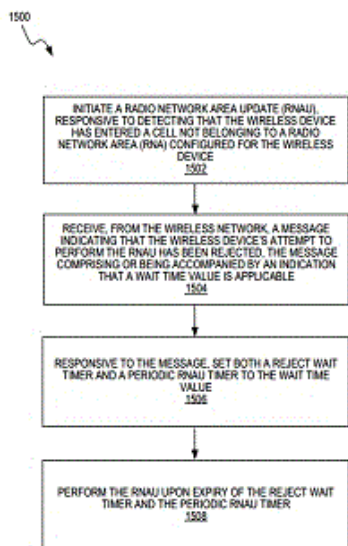
A wireless device handles area update reports. The wireless device initiates (1502) a radio network area update, RNAU, responsive to detecting that the wireless device has entered a cell not belonging to a radio network area, RNA, configured for the wireless device. The wireless device receives (1504), from the wireless network, a message indicating that the wireless device's attempt to perform the RNAU has been rejected. The message includes or is accompanied by an indication that a wait time value is applicable. Responsive to the message, the wireless device sets (1506) a reject wait timer to the

21: 2020/06252. 22: 2020/10/08. 43: 2021/11/19

51: A23J; C12N

71: LESAFFRE ET COMPAGNIE

wait time value and performs (1508) the RNAU upon expiry of the reject wait timer. In some embodiments, the wireless device sets a periodic RNAU timer to the wait time value, responsive to the message, and performs the RNAU upon expiry of the reject wait timer and the periodic RNAU timer.



21: 2020/06263. 22: 2020/10/08. 43: 2021/11/29
51: A61K; C07K

71: DR. REDDY'S LABORATORIES LIMITED

72: JAYARAMAN, Murali

33: IN 31: 201841013646 32: 2018-04-10

54: ANTIBODY FORMULATION

00: -

The present invention discloses a stable pharmaceutical formulation of an antibody, wherein the formulation contains buffer, surfactant, sugar, and optionally contains a free amino acid. The disclosed formulation is stable at 50 °C for two weeks. In addition, the formulation maintains at least 96% of the antibody in monomeric form under above said storage conditions.

21: 2020/06289. 22: 2020/10/09. 43: 2021/11/19
51: C10C

71: ASPHALT SCIENCES, LLC

72: BRUNS, JOSEPH RANDALL, HASHEMI, HASHEM

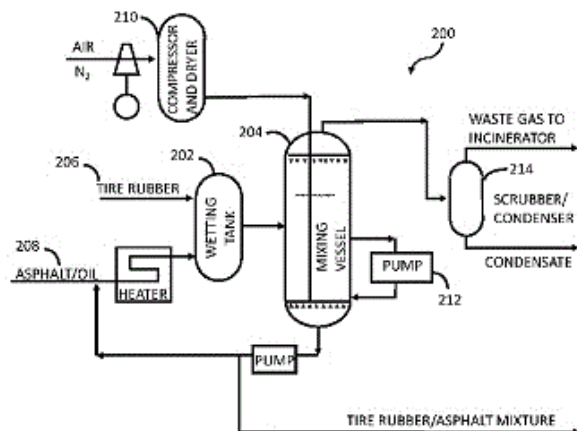
33: US 31: 16/255,804 32: 2019-01-23

33: US 31: 62/661,609 32: 2018-04-23

54: SYSTEM AND METHOD FOR GENERATING TIRE RUBBER ASPHALT

00: -

A method and system for generating a tire rubber asphalt compound is described. The method includes receiving an asphalt compound and heating the asphalt compound to approximately 320°F to 420°F. The method then proceeds to add tire rubber to the asphalt compound. The asphalt compound and the scrap tire rubber are mixed for approximately 60 minutes to 360 minutes during heating to approximately 525°F to 700°F to generate the tire rubber asphalt compound. The tire rubber asphalt compound is then cooled.



21: 2020/06291. 22: 2020/10/09. 43: 2021/11/19
51: H04W; H04L

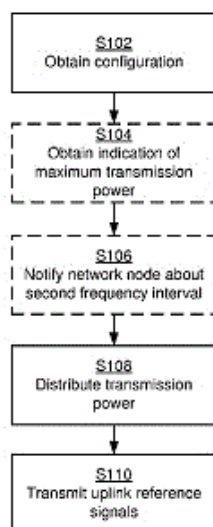
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: NILSSON, ANDREAS, FAXÉR, SEBASTIAN, WERNERSSON, NIKLAS

54: TRANSMISSION OF UPLINK REFERENCE SIGNALS

00: -

There is provided mechanisms for transmitting uplink reference signals. A method is performed by a terminal device. The method comprises obtaining, from a network node, a configuration of transmission of the uplink reference signals. The configuration comprises an indication of a first frequency interval in which the uplink reference signals are to be transmitted. The method comprises distributing transmission power available for transmitting the uplink reference signals over the first frequency interval based on channel information for the first frequency interval. The method comprises transmitting the uplink reference signals in accordance with the distributed transmission power.



21: 2020/06321. 22: 2020/10/12. 43: 2021/11/19

51: A61K; A61P

71: DOUGLAS PHARMACEUTICALS LIMITED

72: HAMPSON, IAN, HAMPSON, LYNNE

33: GB 31: 1808563.9 32: 2018-05-24

54: TREATMENTS

00: -

The present invention concerns pharmaceutical compositions formulated for dermal application comprising a therapeutically effective amount of lopinavir and ritonavir in a pharmaceutically acceptable vehicle and wherein the weight ratio (w/w) of lopinavir: ritonavir is between 9:1 and 18:1. Such compositions are useful for treating, or preventing, skin cancers and premalignant dermal conditions.

21: 2020/06323. 22: 2020/10/12. 43: 2021/11/09

51: A61K; A61Q

71: UNILEVER PLC

72: LOU, ANJING, QUAN, CONGLING, MOADDEL, TEANOOSH, BUCHALOVA, MARIA

33: EP 31: 18173916.0 32: 2018-05-23

54: NANOEMULSIONS AND A METHOD FOR MAKING THE SAME

00: -

Nanoemulsions and a method for making the same are described. The nanoemulsions comprise a skin benefit agent in the water phase and they are made from two macroemulsions that have non-identical pH values.

21: 2020/06324. 22: 2020/10/12. 43: 2021/11/19

51: A61K; A61P

71: DOUGLAS PHARMACEUTICALS LIMITED

72: HAMPSON, IAN, HAMPSON, LYNNE

33: GB 31: 1808564.7 32: 2018-05-24

54: LOPINAVIR AND RITONAVIR FOR THE TREATMENT OF CERVIX DISORDERS

00: -

The present invention concerns pharmaceutical compositions formulated for topical application that are useful in the treatment of HPV-related pathologies and in particular the treatment of premalignant and malignant conditions of the cervix. The compositions comprise a therapeutically effective amount of lopinavir and ritonavir in a pharmaceutically acceptable vehicle and wherein the weight ratio (w/w) of lopinavir: ritonavir is between 9:1 and 18:1.

21: 2020/06334. 22: 2020/10/05. 43: 2021/11/19

51: A01N; C05D; C05G

71: BELVEDERE FOLIAR LLC

72: COBB, David A.

33: US 31: 62/469,087 32: 2017-03-09

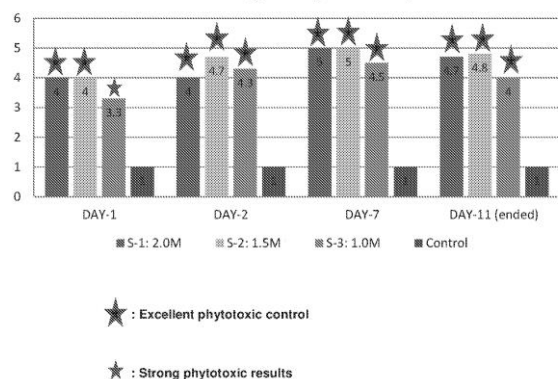
33: US 31: 62/609,137 32: 2017-12-21

54: POST-EMERGENCE HERBICIDE

00: -

Some embodiments relate to herbicide compositions and methods of inducing phytotoxicity in a plant, by administering an aqueous composition to foliar portions of the plant. This aqueous composition includes at least one nutrient, and at least one adjuvant, and has a pH of about 4 to about 7. In some embodiments, the aqueous composition comprises an organic or mineral acid. In some embodiments, the phytotoxicity is topical. In some embodiments, the phytotoxicity is systemic. Without being limited by theory, the nutrient is absorbed by the plant in excess, thereby killing the plant.

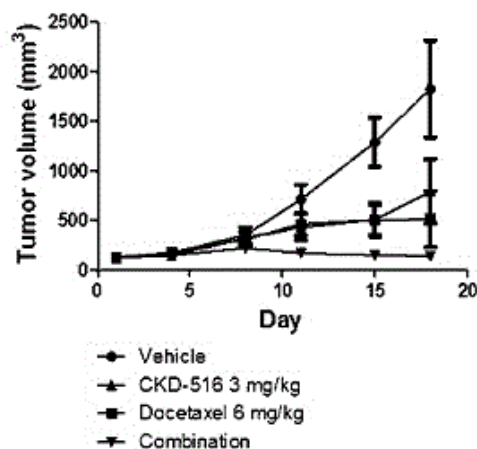
TRIAL 14: Averaged Phytotoxicity Levels



21: 2020/06345. 22: 2020/10/13. 43: 2021/11/19
51: A61K; A61P
71: CHONG KUN DANG PHARMACEUTICAL CORP.
72: KIM, SOO JIN
33: KR 31: 10-2018-0057131 32: 2018-05-18
54: COMPOSITION FOR PREVENTING OR TREATING CANCER, COMPRISING A VASCULAR DISRUPTING AGENT AND TAXANE COMPOUND

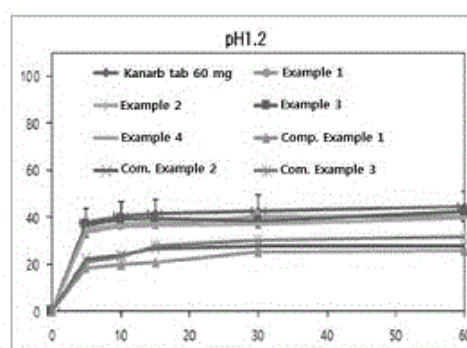
00: -
The present invention provides a composition for preventing or treating cancer, comprising (S)-N-(4-(3-(1H-1,2,4-triazole-1-yl)-4-(3,4,5-trimethoxybenzoyl)phenyl)thiazole-2-yl)-2-amino-3-methylbutanamide or pharmaceutically acceptable salts thereof and taxane compound or pharmaceutically acceptable salts thereof. The composition of the present invention shows an excellent effect of cancer treatment.

H1975



21: 2020/06346. 22: 2020/10/13. 43: 2021/11/19
51: A61K
71: BORYUNG PHARMACEUTICAL CO., LTD.
72: KIM, SANG YEOP
33: KR 31: 10-2018-0050277 32: 2018-04-30
54: PHARMACEUTICAL PREPARATION

00: -
The present invention provides a preparation containing fimasartan, amlodipine and rosuvastatin as active ingredients. The present invention provides a preparation having an excellent dissolution rate for each active ingredient and a high stability, thereby enabling the convenience of administration to be remarkably improved.



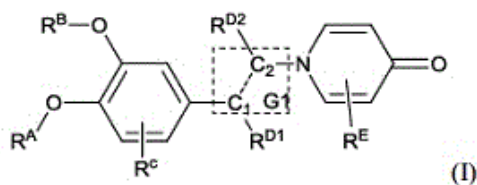
21: 2020/06347. 22: 2020/10/13. 43: 2021/11/19
51: A61P; C07D
71: E-NITATE BIOPHARMACEUTICALS (HANGZHOU) CO., LTD
72: SHEN, WANG, LIU, PENGFEI, ZHU, JINPING, LUO, QIUPING, KE, PINGBO, LIU, YUFEI, SHEN, JIDA

33: CN 31: 201810386572.6 32: 2018-04-26

54: ANTI-INFLAMMATORY COMPOUND AND PREPARATION AND USE THEREOF

00: -

Provided in the present invention is an anti-inflammatory compound, wherein same is characterized by a compound as shown in the following structure (I): The compound is a target that is important for autoimmune activation, and that has a strong inhibitory effect on PDE4 and penetrates the skin easily, and is a new type anti-inflammatory compound that is easily degraded.



21: 2020/06348. 22: 2020/10/13. 43: 2021/11/19

51: C07K; G01N

71: WASHINGTON UNIVERSITY

72: MCDADE, ERIC, BARTHELEMY, NICOLAS, BATEMAN, RANDALL JOHN

33: US 31: 62/666,509 32: 2018-05-03

33: US 31: 62/666,504 32: 2018-05-03

54: METHODS OF DIAGNOSING AND TREATING BASED ON SITE-SPECIFIC TAU PHOSPHORYLATION

00: -

The present disclosure provides methods to quantify tau phosphorylation at specific amino acid residues to predict time to onset of mild cognitive impairment due to Alzheimer's disease, stage Alzheimer's disease, guide treatment decisions, select subjects for clinical trials, and evaluate the clinical efficacy of certain therapeutic interventions.



21: 2020/06349. 22: 2020/10/13. 43: 2021/11/19

51: C07D

71: ARCHER DANIELS MIDLAND COMPANY

72: BRAZDIL, JAMES, ROGNESS, DONALD

33: US 31: 62/657,416 32: 2018-04-13

54: DEHYDRATION AND CYCLIZATION OF ALPHA-, BETA-DIHYDROXY CARBONYL**COMPOUNDS TO 2-SUBSTITUTED FURAN DERIVATIVES**

00: -

Processes are disclosed for the synthesis of 2-substituted furan derivatives from a substrate having a carbonyl functional group (C=O), with hydroxy-substituted carbon atoms at alpha and beta positions, relative to the carbonyl functional group. In one embodiment, an alpha-, beta-dihydroxy carboxylate is dehydrated to form a dicarbonyl intermediate by transformation of the alpha-hydroxy group to a second carbonyl group and removal of the beta-hydroxy group. The dicarbonyl intermediate undergoes cyclization and dehydration to produce the 2-substituted furan derivative. Optionally, a further step of oxidation may be carried out, for example to convert a hydroxymethyl group, as a 5-substituted furan ring, to a carboxy group of 2,5-furan dicarboxylic acid.

21: 2020/06351. 22: 2020/10/13. 43: 2021/11/19

51: A01N; A01P; C08B

71: ADAMA MAKHTESHIM LTD.

72: KOREN, LITAL, AMSELEM, SHIMON, JESCHKE, INGO

33: US 31: 62/669,741 32: 2018-05-10

33: US 31: 62/669,275 32: 2018-05-09

54: USE OF CYCLODEXTRINS AS AGROCHEMICAL DELIVERY SYSTEM

00: -

The present invention relates to the use of cyclodextrins for increasing biological activity and improving retention and/or bioavailability of agrochemicals such as pesticides.

21: 2020/06376. 22: 2020/10/14. 43: 2021/11/19

51: A44C; B21K; B44B; G01N; G07D

71: MONNAIE ROYALE CANADIENNE / ROYAL CANADIAN MINT

72: SAWATZKY, TREVOR, EVERTON, BRADLEY, LI, XIANYAO

33: US 31: 62/644,029 32: 2018-03-16

54: COMPOSITE STRUCTURE WITH SEPARATOR FOR COINS AND THE LIKE

00: -

A composite coin, coin blank, medal or token structure provides an inner stack, an outer ring

surrounding the inner stack, and a separator, an authentication method and method of manufacture for the same. The inner stack comprises one or more inserts stacked on top of each other. The separator is disposed between the outer ring and the inner stack separating the outer ring from the inner stack and separating the plurality of inserts from each other.

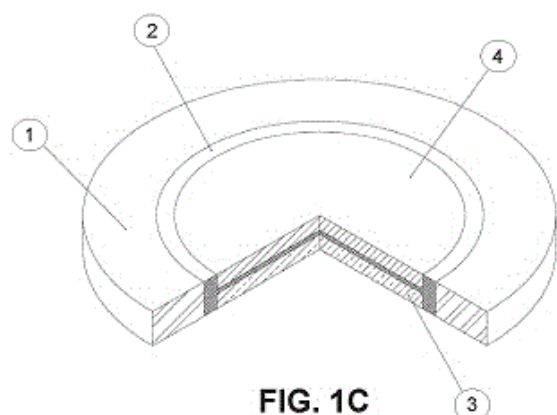


FIG. 1C

21: 2020/06411. 22: 2020/10/15. 43: 2021/11/19
51: A47J

71: CAFFITALY SYSTEM S.P.A.

72: ACCURSI, GIOVANNI, DIAMANTI, MAURIZIO

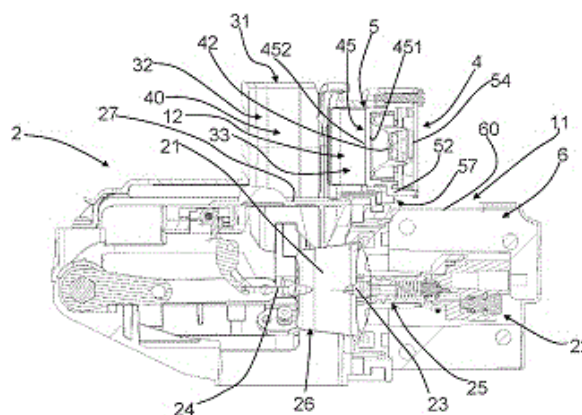
33: IT 31: 102018000003890 32: 2018-03-22

54: APPARATUS FOR MAKING A BEVERAGE, COMPRISING AN IMAGE ACQUISITION DEVICE

00: -

This invention relates to an apparatus (1) for making a beverage, comprising an infusion chamber (21) for a capsule containing a food substance, a transfer channel (32) which connects a capsule insertion opening (31) to the infusion chamber (21), an image acquisition device (4) for acquiring at least one image of a portion of the capsule. The image acquisition device (4) includes an optical sensor (42) facing towards an image capture zone (40) which is a stretch of the transfer channel (32). A viewing window (45), made of transparent material, is interposed between the optical sensor (42) and the image capture zone (40), the viewing window (45) having a first face (451) and a second face (452). The apparatus also comprises a heating device (6, 22), which is positioned in a first region (11) which is at a height lower than a second region (12) in which the viewing window (45) is positioned. The first region (11) and the second region (12) are in

communication with each other. In use, the heating device (6, 22) heats air in the first region (11) and the heated air flows into the second region (12), where the heated air can make contact with the first face (451) and/or the second face (452) of the viewing window (45) and heat the viewing window (45).



21: 2020/06414. 22: 2020/10/15. 43: 2021/11/19
51: C07C; C07D; B01J

71: DEMETA, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE

72: BASLE, OLIVIER, CAIJO, FRÉDÉRIC, DUMAS, ADRIEN, MAUDUIT, MARC, QUEVAL, PIERRE, ROUEN, MATHIEU, TRIPOTEAU, FABIEN

33: FR 31: 1853567 32: 2018-04-24

54: METHOD FOR OLEFIN METATHESIS BY MEANS OF AN ACID-ACTIVATED CATALYST

00: -

The present invention relates to a method for olefin metathesis, which comprises placing in contact: - at least one olefin, - at least one metathesis catalyst selected from the ruthenium alkylidene complexes comprising two imidazoline-2-ylidene ligands, at least one of which is a 1-aryl-3-cycloalkyl-imidazoline-2-ylidene, and a monodentate alkylidene ligand, - and at least one acid; said olefin metathesis not being ring-opening metathesis polymerisation.

21: 2020/06429. 22: 2020/10/16. 43: 2021/11/19
51: A61K; C12N

71: ELIXIRGEN THERAPEUTICS, INC.

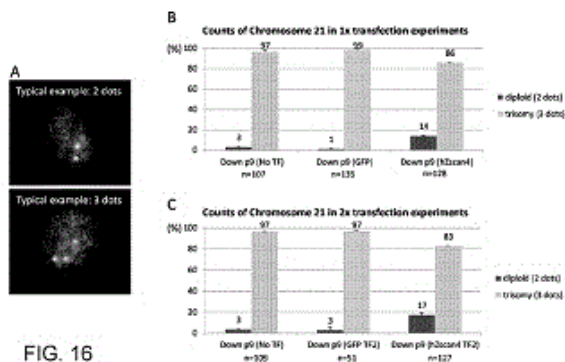
72: KO, MINORU S.H.

33: US 31: 61/800,668 32: 2013-03-15

54: METHODS OF USING ZSCAN4 FOR REJUVENATING HUMAN CELLS

00: -

The present disclosure relates to methods for increasing telomere length in one or more human cells and/or increasing genome stability of one or more human cells, for example by contacting one or more human cells with an agent that increases expression of Zscan4 in the one or more human cells. Methods of treating a subject in need of telomere lengthening, treating a disease or condition associated with a genomic and/or chromosome abnormality, of rejuvenating one or more human cells, of rejuvenating tissues or organs, and of rejuvenating a subject in need thereof, for example by contacting one or more human cells in the subject with an agent that increases expression of Zscan4, or by administering to a subject in need thereof, an agent that increases expression of Zscan4 are also provided.



21: 2020/06440. 22: 2020/10/16. 43: 2021/11/19
51: H04W

71: Huawei Technologies Co., Ltd.

72: WEI, Dongdong, WANG, Fan

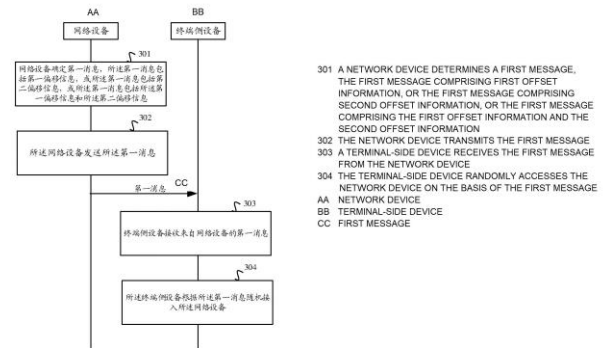
33: CN 31: 201810302318.3 32: 2018-04-04

54: COMMUNICATIONS METHOD AND APPARATUS

00: -

A method and device for communication. The method comprises: a terminal-side device receives a first message from a network device, the first message comprising first offset information, or the first message comprising second offset information, or the first message comprising the first offset information and the second offset information, where the first offset information is used for indicating a time offset value of a random access response (RAR) monitoring window for monitoring a RAR, the second offset information is used for indicating a

time offset value for transmitting a second message, and the second message is a message transmitted by the terminal-side device on the basis of the RAR; and the terminal-side device randomly accesses the network device on the basis of the first message.



21: 2020/06475. 22: 2020/10/19. 43: 2021/11/19
51: E02F

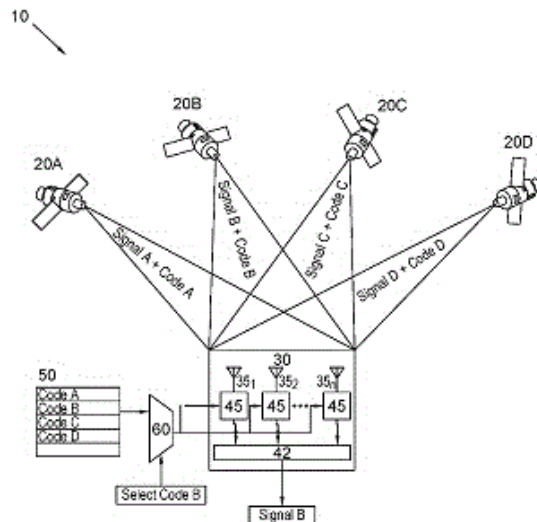
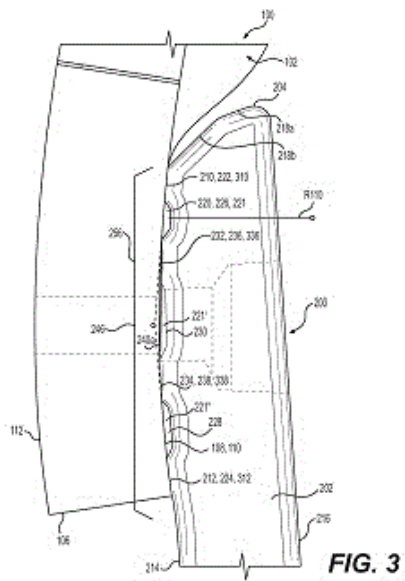
71: CATERPILLAR INC.

72: PARZYNSKI JR., DAVID B, CONGDON, THOMAS M, GRAHAM, SUSAN M

33: US 31: 15/952,421 32: 2018-04-13

54: ADAPTER BOARD BOLTED JOINT SURFACE 00: -

A blade assembly (100) comprises a moldboard (102) defining an upper moldboard free end (104) and a lower moldboard free end (106), the lower moldboard free end (106) defining a lower curved mounting surface (108), and an adapter board (200) defining an upper adapter board attachment portion (202), and a lower tool bit attachment portion (206). The upper adapter board attachment portion (202) may include a first peak surface (210) and a second peak surface (212), the first peak surface (210) and the second peak surface (212) forming a first valley (221) therebetween and being configured to contact the lower curved mounting surface (108).



21: 2020/06479. 22: 2020/10/19. 43: 2021/11/19

51: G01S; H01Q; H04B

71: HANWHA PHASOR LTD.

72: SZCZEPANIK, JOHN-PAUL, SCHRYBER, PHILIP, MAYO, RICHARD HAMMOND

33: GB 31: 1807538.2 32: 2018-05-09

54: IMPROVEMENTS IN OR RELATING TO BEAM ALIGNMENT FOR ELECTRONICALLY STEERED ANTENNAE SYSTEMS

00: -

A method of auto-aligning a beam within a receiving electronically steered antenna system comprising a plurality of antenna elements is provided. The method comprises the steps of: providing a list of codes, wherein each code is embedded in signals transmitted by a respective transmitting entity, and identifies the transmitted signal as originating from said transmitting entity; selecting a transmitter and identifying a corresponding code for that transmitter; and for each antenna element: receiving a first communication signal; receiving a second signal representative of first communication signals received by each of the plurality of antenna elements; correlating the first and second signals with the identified code to generate first and second output signals; comparing the first and second output signals and determining a phase shift and/or time delay for minimizing the difference between the first and second output signals; and applying the phase shift and/or time delay to the first received communication signal.

21: 2020/06480. 22: 2020/10/19. 43: 2021/11/19

51: A61K; A61P; C07K; C12N

71: THE SCRIPPS RESEARCH INSTITUTE, EMMUNE, INC.

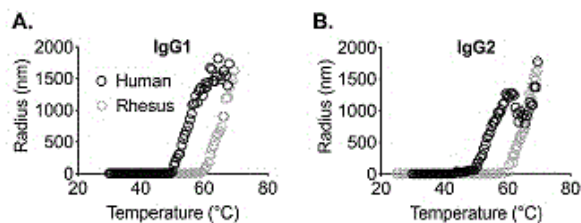
72: FARZAN, MICHAEL, GARDNER, MATTHEW, FETZER, INA, ALPERT, MICHAEL, BAILEY, CHARLES

33: US 31: 62/645,903 32: 2018-03-21

54: CD4 MUTEINS AND METHODS OF USING THE SAME

00: -

The invention relates to proteins that contain the CD4 domain 1 and the CD4 domain 2 (CD4 D1D2), wherein the CD4 D1D2 contains one or more mutations compared to wild-type human CD4 D1D2, and to methods of using the proteins for treating a human immunodeficiency virus (HIV) infection in a subject.



21: 2020/06483. 22: 2020/10/19. 43: 2021/11/19

51: H04B

71: ST ENGINEERING IDIRECT (EUROPE) CY NV

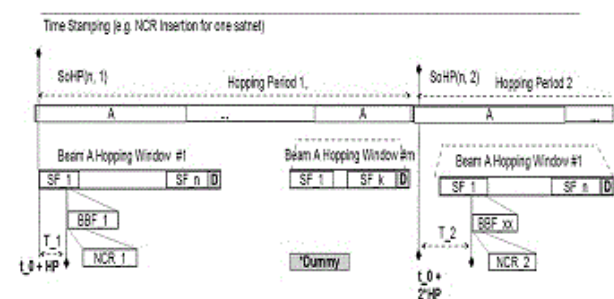
72: BREYNAERT, DIRK, CHRISTOPOULOS, DIMITRIOS

33: EP 31: 18176340.0 32: 2018-06-06

54: SYSTEM FOR SYNCHRONIZING A GROUND SEGMENT TO A BEAM HOPPING SATELLITE

00: -

The present invention relates to a satellite communication system arranged for consecutively illuminating a plurality of contours on earth and comprising : - a transmitter device arranged for generating a signal to be transmitted and comprising - one or more hopping framers each arranged for receiving a sequence of bits and for organizing said sequence into a hopping frame according to a hopping plan indicating an order in which said plurality of contours is to be illuminated, - encoding means per hopping framer, - modulation means per hopping framer arranged for receiving said sequence of digital symbols and for modulating said digital symbols on a waveform at a symbol rate, - a satellite comprising a beam hopping transponder arranged for receiving said modulated signal and for outputting a version of said modulated signal to an illumination circuit arranged in said satellite for steering illumination from one contour to another particular contour according to said hopping plan, - one or more receiver devices in said particular contour of said plurality of contours to be illuminated and arranged for receiving said output signal, - a central controller having an established communication link with at least one of said receiver devices and arranged for receiving via an established link information on observed illumination transitions.



21: 2020/06486. 22: 2020/10/19. 43: 2021/11/19

51: H02S

71: Ideematec Deutschland GmbH

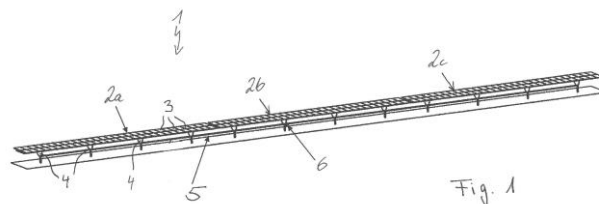
72: KUFNER, Johann, KERMEK, Nathalie, BIRR, Peter, BAUER, Benjamin, REHM, Ronny

33: DE 31: 20 2018 103 053.1 32: 2018-05-30

54: Solar plant having a pivotable and lockable module table

00: -

The invention relates to a solar installation (1), comprising at least one pivotable module table (2a, 2b, 2c), which supports at least one, preferably a plurality of photovoltaic solar modules (3) and which is coupled to least one gear element (4), which is pivotable about an axis (A), in such a way that pivoting of the gear element (4) causes pivoting of the module table (2a to 2c) in order for the solar modules (3) to track the course of the sun, wherein the gear element (4) is driven by an electrically driven drive shaft (5) and thereby pivoted, wherein at least one actuating element (8), by means of which the gear element (4) can be both driven and blocked, is integrated into the drive shaft (5), wherein the actuating element (8) engages into the toothing (11) of the gear element (4) in order to drive or block the gear element (4).



21: 2020/06500. 22: 2020/10/20. 43: 2021/11/19

51: C07K; C12N; A61K

71: CRISPR THERAPEUTICS AG

72: TERRETT, JONATHAN ALEXANDER,

KALAITZIDIS, DEMETRIOS, KLEIN, LAWRENCE

33: US 31: 62/508,862 32: 2017-05-19

33: US 31: 62/567,008 32: 2017-10-02

33: US 31: 62/639,332 32: 2018-03-06

33: US 31: 62/655,510 32: 2018-04-10

33: US 31: 62/583,793 32: 2017-11-09

33: US 31: 62/648,138 32: 2018-03-26

33: US 31: 62/505,649 32: 2017-05-12

33: US 31: 62/538,138 32: 2017-07-28

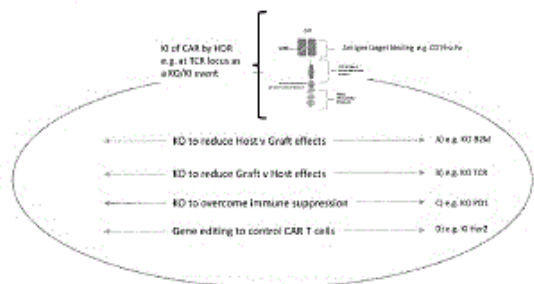
33: US 31: 62/567,012 32: 2017-10-02

54: MATERIALS AND METHODS FOR ENGINEERING CELLS AND USES THEREOF IN IMMUNO-ONCOLOGY

00: -

Materials and methods for producing genome-edited cells engineered to express a chimeric antigen receptor (CAR) construct on the cell surface, and materials and methods for genome editing to modulate the expression, function, or activity of one

or more immuno-oncology related genes in a cell, and materials and methods for treating a patient using the genome-edited engineered cells.



21: 2020/06512. 22: 2020/10/20. 43: 2021/11/19
51: E02F

71: CATERPILLAR INC.

72: PARZYNSKI JR., DAVID B, CONGDON, THOMAS M

33: US 31: 15/952,844 32: 2018-04-13

54: TOOL BIT HAVING A CYLINDRICAL PROFILE AND BLADE ASSEMBLY

00: -

A tool bit (200, 300, 400, 500) comprises a shank portion (202, 302, 402, 502) including a cylindrical configuration defining a longitudinal axis (L), a radial direction (R), and a circumferential direction (C), and a working portion (204, 304, 404, 504) including a cylindrical configuration that is concentric with the shank portion (202, 302, 402, 502) and a flat bottom surface (218, 318, 418, 518).

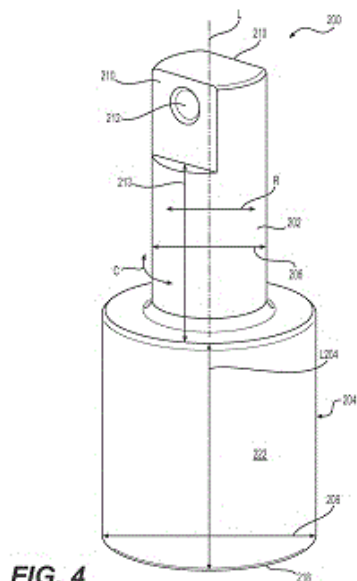


FIG. 4

21: 2020/06513. 22: 2020/10/20. 43: 2021/11/19
51: E02F

71: CATERPILLAR INC.

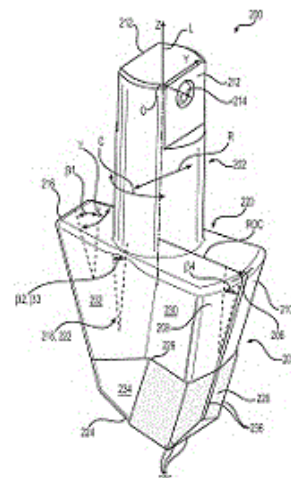
72: PARZYNSKI JR., DAVID B, CONGDON, THOMAS M

33: US 31: 15/952,955 32: 2018-04-13

54: DRAFTED TOOL BIT

00: -

A tool bit (200, 300, 400, 500, 600, 700, 800, 900, 1000, 2000) comprises a shank portion (202, 302, 402, 502, 602, 702, 802, 902, 1002, 2002) defining a longitudinal axis (L), and a working portion (204, 304, 404, 504, 604, 704, 804, 904, 1004, 2004) extending downwardly axially from the shank portion (202, 302, 402, 502, 602, 702, 802, 902, 1002, 2002). The working portion (204, 304, 404, 504, 604, 704, 804, 904, 1004, 2004) includes a rear region (616, 716, 816, 916, 1016, 2016), a front working region (605, 705, 805, 905, 1005, 2005), a first side region (618, 718, 818, 918, 1018, 2018) and a second side region (620, 720, 820, 920, 1020, 2020), and the first side region (618, 718, 818, 918, 1018, 2018) and the second side region (620, 720, 820, 920, 1020, 2020) define an angle of extension (?) measured in a plane perpendicular to the longitudinal axis (y), forming a wider front working region (605, 705, 805, 905, 1005, 2005) than the rear region (616, 716, 816, 916, 1016, 2016) in a plane perpendicular to the longitudinal axis (L).



21: 2020/06514. 22: 2020/10/20. 43: 2021/11/19
51: E02F; E21C

71: CATERPILLAR INC.

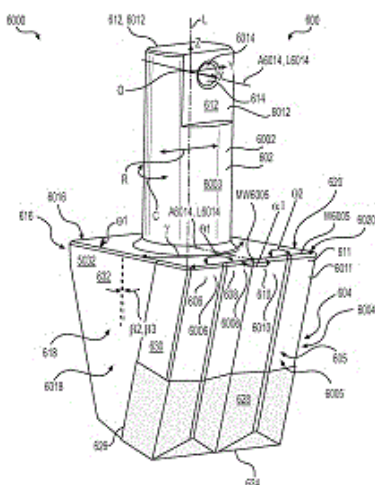
72: PARZYNSKI JR., DAVID B, CONGDON, THOMAS M

33: US 31: 15/953,121 32: 2018-04-13

54: RETENTION SYSTEM FOR ATTACHING TOOL BITS TO A BLADE ASSEMBLY

00: -

An orientation plate (9000) configured to orient a tool bit (5000, 6000, 7000) relative to the centerline (CL) of an adapter board (102) comprises a rectangular body (9001) defining a top surface (9006), a bottom surface (9008), a front surface (9010), a back surface (9012), a first end surface (9014), a second end surface (9013), and a thickness (9018) that is the minimum dimension of the body (9001), and a plurality of apertures (9002) extending through the thickness (9018) of the body (9001), each aperture (9002) defining a perimeter (9020) having at least one orientation flat (9004).



21: 2020/06540. 22: 2020/10/21. 43: 2021/11/19

51: A61K

71: SAMI LABS LIMITED

72: MAJEED, Muhammed, NAGABHUSHANAM, Kalyanam, MUNDKUR, Lakshmi

33: US 31: 62/647,041 32: 2018-03-23

54: LIVER PROTECTANT COMPOSITIONS AND THERAPEUTIC APPLICATIONS

00: -

The invention pertains to a composition comprising Curcuminoids and Garcinol for hepatoprotection. Specifically, the invention discloses a composition comprising 95% Curcuminoids and 20% Garcinol for the therapeutic management of Non-alcoholic fatty liver disease (NAFLD) and associated conditions like

steatosis, Non-alcoholic steatohepatitis (NASH), fibrosis and cirrhosis of the liver.

21: 2020/06583. 22: 2020/10/22. 43: 2021/11/19

51: H01R

71: NEUTRIK AG

72: ZECHMANN, KEVIN

33: AT 31: A50283/2018 32: 2018-04-06

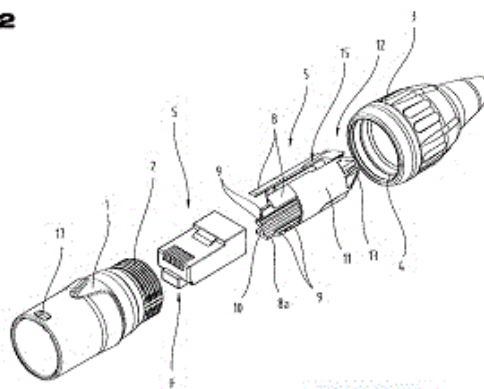
33: AT 31: A51132/2018 32: 2018-12-19

54: PLUG ARRANGEMENT

00: -

A plug arrangement for use with cables (K) having cable plugs (S) comprises a housing (1) for receiving the cable plug (S), a clamping element (5) encompassing the cable (K) and accommodated in the housing (1), which clamping element (5) clamps, in a compressed state, the cable (K), and a clamping sleeve (3) for establishing a threaded connection with the housing (1). When the threaded connection is tightened, the clamping element (5) is braced in the housing (1) and the cable (K) is clamped in the clamping element (5). The front end of the clamping element (5) facing the cable plug (S) is configured for receiving and positioning the cable plug (S) in a predetermined position at the front end of the clamping element (5) or is provided with at least one stop for the cable plug (S). Thus, when the threaded connection is tightened, the cable plug (S) is also positioned with respect to the housing (1) and the clamping element (5) so as not to rotate and fixed.

Fig.2



21: 2020/06584. 22: 2020/10/22. 43: 2021/11/19

51: B03B

71: SISHEN IRON ORE COMPANY (PROPRIETARY) LIMITED

72: MUTHAPHULI, PHUMUDZO, NTSOELENGOE, BONGI

33: GB 31: 1806674.6 32: 2018-04-24

54: DENSE MEDIA SEPARATION METHOD

00: -

The invention relates to a method of separating solids, the method comprising adding the solids to a suspension of particulate material comprising magnetic particles in a liquid to create a mixture, locating the mixture in a separation vessel such that rotation is imparted to the mixture around a space bounded by an outer wall of the vessel to impart a centrifugal force on the solids; and the mixture is separated into a floats and sinks fractions.

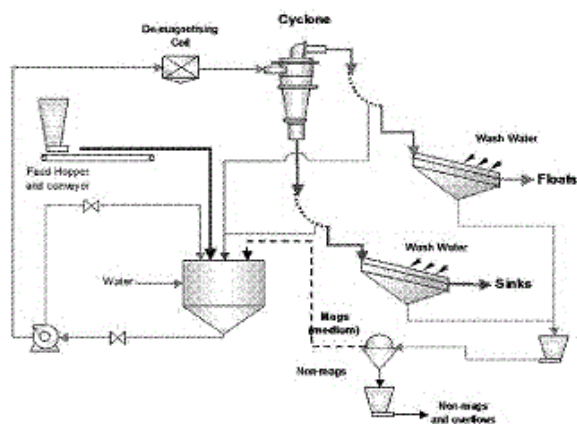


Figure 2: Pilot DMS test rig flowsheet

21: 2020/06601. 22: 2020/10/23. 43: 2021/11/19

51: G03B

71: ACTION DISTRIBUTION (PTY) LTD

72: EAGLE, Brett, CLARKE, Cameron Russell

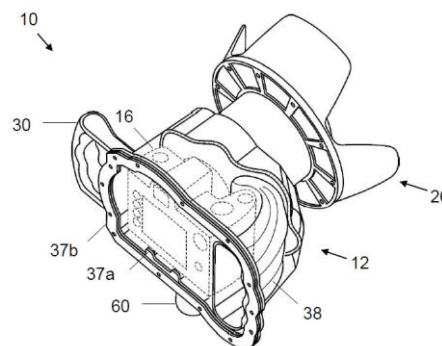
33: ZA 31: 2019/05878 32: 2019-09-06

54: CAMERA HOUSING

00: -

A camera housing is provided which includes an enclosure made from a rigid material and a lens arrangement. The enclosure defines a cavity configured to enclose a camera having a camera lens and defining a camera lens receiving zone in optical communication with a lens of the lens arrangement. The cavity receives and secures a support member for operatively supporting a cooperating camera in a position in which a camera lens thereof locates within the camera receiving zone of the cavity in use. The enclosure defines an open side for providing access to a camera supported therein in use and includes a membrane which closes the open side. The membrane is

flexible so as to permit interaction by a user with a camera supported within the enclosure in use.



21: 2020/06623. 22: 2020/10/23. 43: 2021/11/19

51: A62B

71: NATURS DESIGN, INC.

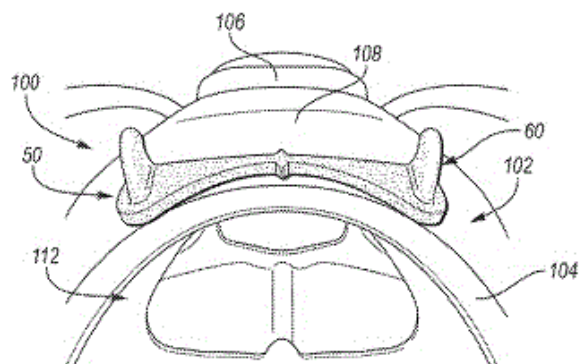
72: RUTAN, ROBERT M

33: US 31: 62/648,895 32: 2018-03-27

54: LINER AND RETAINING MEMBER FOR USE WITH RESPIRATORY MASK

00: -

A respiratory mask includes a mask body having a face-engaging portion, and at least one retaining member connected to the mask body and including at least one engaging member for receiving and tethering a liner to the respiratory mask to generally overlie the face-engaging portion. The retaining member may include a flexible elongated body having a central portion and opposing ends, and a bottom surface arranged to be attached to the respiratory mask. The liner may include a liner body constructed from an absorbent material and having an outer edge, an inner edge, and an opening bounded by the inner edge, wherein an extending portion of the liner body is defined which extends outwardly beyond the face-engaging portion and includes at least one aperture for engaging the retaining member. A kit for use with a respiratory mask includes at least one liner and at least one retaining member.



21: 2020/06626. 22: 2020/10/23. 43: 2021/11/19

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

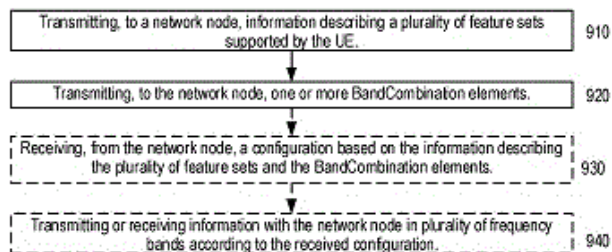
72: WIEMANN, HENNING, WAGER, STEFAN

33: US 31: 62/678,047 32: 2018-05-30

54: ADVERTISING EXTENSIBLE CAPABILITY FEATURE SETS FOR A USER EQUIPMENT (UE)

00: -

Embodiments include methods for a user equipment (UE) to advertise capabilities to a network node in a radio access network. Embodiments include transmitting, to the network node, information describing a plurality of feature sets supported by the UE. The information can include one or more InitialFeatureLists and one or more ExtensionFeatureLists, with each each ExtensionFeatureList being associated with a particular InitialFeatureList. Embodiments also include transmitting, to the network node, one or more BandCombination elements, each of which includes: a list of frequency bands in which the UE is concurrently operable; a FeatureSetCombination element identifying features supported by the UE within each frequency band included in the list. Some embodiments can also include receiving, from the network node, a configuration (e.g., for dual connectivity and/or carrier aggregation) based on the information describing a plurality of feature sets and the BandCombination elements. Other embodiments include complementary methods performed by a network node.



21: 2020/06643. 22: 2020/10/26. 43: 2021/11/19

51: C07D; A61K; A61P

71: BUGWORKS RESEARCH, INC.

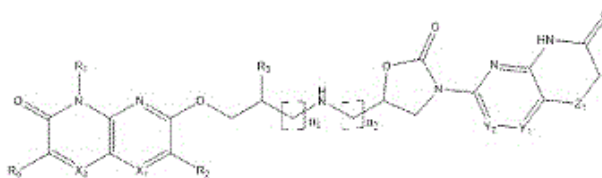
72: PEER MOHAMED, SHAHUL HAMEED, BHARATHAM, NAGAKUMAR, KATAGIHALLIMATH, NAINESH, SHARMA, SREEVALLI, NANDISHAIAH, RADHA, RAMACHANDRAN, VASANTHI

33: IN 31: 201841011765 32: 2018-03-28

54: OXAZOLIDINONE ANTIBIOTIC COMPOUNDS AND PROCESS OF PREPARATION

00: -

The present disclosure relates to compounds of Formula (I), its stereoisomers, pharmaceutically acceptable salts, complexes, hydrates, solvates, tautomers, polymorphs, racemic mixtures, optically active forms and pharmaceutically active derivative thereof and pharmaceutical compositions containing them as the active ingredient which can be used as medicaments. The aforementioned substances can also be used in the manufacture of medicaments for treatment, prevention, or suppression of diseases, and conditions mediated by microbes. The present disclosure also relates to the synthesis and characterization of aforementioned substances.



Formula I

21: 2020/06644. 22: 2020/10/26. 43: 2021/11/19

51: C10M; C10G; C10N

71: NOVVI LLC, CHEVRON U.S.A. INC.

72: BARALT, EDUARDO, CHEN, CONG-YAN, HAO, YALIN, HO, LIWENNY, HO, WILLBE, PRADHAN, AJIT, ROSALLI, JASON, THOMAS, BENTON, WELLS, JASON

33: US 31: 62/665,363 32: 2018-05-01

54: HYDROCARBON MIXTURE EXHIBITING UNIQUE BRANCHING STRUCTURE

00: -

Provided herein are hydrocarbon mixtures with controlled structure characteristics that address the performance requirements for finished lubricants driven by the stricter environmental and fuel economy regulations. The branching characteristics of the hydrocarbon molecules are controlled to provide a composition that has a unique and superior viscosity - temperature relationship and Noack volatility. An important aspect of the present invention relates to a saturated hydrocarbon mixture with at least 80% of the molecules having an even carbon number, with the branching characteristic of BP/BI in the range ≥ -0.6037 (Internal alkyl branching) + 2.0, where on average at least 0.3 to 1.5 of the internal methyl branches are located more than 4 carbons away from the terminal carbon when analyzed by carbon NMR. The saturated hydrocarbon mixture with such unique branching structure consistently exhibits a stand out performance in the cold crank simulated viscosity (CCS) vs Noack volatility relationship, which allows for the formulation of lower viscosity engine oils with improved fuel economies.

21: 2020/06645. 22: 2020/10/26. 43: 2021/11/19
51: C10G; C10M

71: NOVVI LLC, CHEVRON U.S.A. INC.
72: BARALT, EDUARDO, CHEN, CONG-YAN, HAO, YALIN, HO, LIWENNY, HO, WILLBE, PRADHAN, AJIT, ROSALLI, JASON, THOMAS, BENTON, WELLS, JASON

33: US 31: 62/733,698 32: 2018-09-20

54: PROCESS FOR PREPARING HYDROCARBON MIXTURE EXHIBITING UNIQUE BRANCHING STRUCTURE

00: -

Provided herein is a unique process that prepares a saturated hydrocarbon mixture with well-controlled structural characteristics that address the performance requirements driven by the stricter environmental and fuel economy regulations for automotive engine oils. The process allows for the branching characteristics of the hydrocarbon molecules to be controlled so as to consistently provide a composition that has a surprising CCS viscosity at -35°C (ASTM D5329) and Noack volatility (ASTM D5800) relationship. The process

comprises providing a specific olefinic feedstock, oligomerizing in the presence of a BF₃ catalyst, and hydroisomerizing in the presence of a noble metal impregnated, IO-member ring zeolite catalyst.

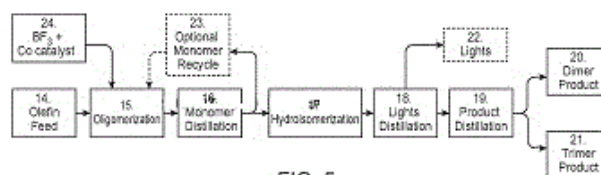


FIG. 5

21: 2020/06647. 22: 2020/10/26. 43: 2021/11/19
51: E21B

71: ONCOIMMUNE, INC., CHILDREN'S RESEARCH INSTITUTE, CHILDREN'S NATIONAL MEDICAL CENTER

72: LIU, YANG, ZHENG, PAN, FLORES, RHONDA, CHOU, HUNG-YEN, XUE, ZHIHONG, YE, PEIYING, DEVENPORT, MARTIN

33: US 31: 62/671,193 32: 2018-05-14

54: ANTI-CD24 COMPOSITIONS AND USES THEREOF

00: -

Provided herein are anti-CD24 antibodies that selectively bind human CD24 expressed in cancer cells, but not human CD24 expressed in non-cancerous cells, and the use of such antibodies in cancer therapy.

21: 2020/06677. 22: 2020/10/27. 43: 2021/11/04
51: B60J

71: European Trailer Systems GmbH
72: Roger REMMEL, Markus LEUKERS, Volker BIESENBRUCK

33: DE 31: 20 2018 101 713.6 32: 2018-03-27

33: DE 31: 20 2018 104 780.9 32: 2018-08-20

54: OPENABLE STRUCTURE FOR A SUBSTRUCTURE

00: -

The invention relates to an openable structure for a substructure, such as a lorry, trailer, semitrailer, railway wagon, dumper truck or container, comprising a tarpaulin framework to which, for example, a tarpaulin made of weather-resistant material or a plurality of hingedly couplable wall elements can be connected, wherein the tarpaulin framework has a plurality of slides (30) which are shiftable along at least one guide (32, 38), wherein the guide comprises a longitudinal member element

(32) along which the slides (30) are shiftable. An openable structure permitting smooth opening and closing of the structure is provided according to the invention in that the longitudinal member element (32) is arranged adjustably at least in sections in a direction transversely with respect to the shifting direction (x) of the slides (30).

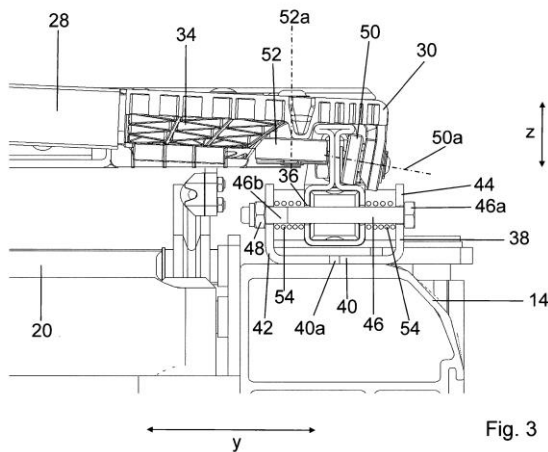


Fig. 3

21: 2020/06689. 22: 2020/10/27. 43: 2021/11/19
51: H04N

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

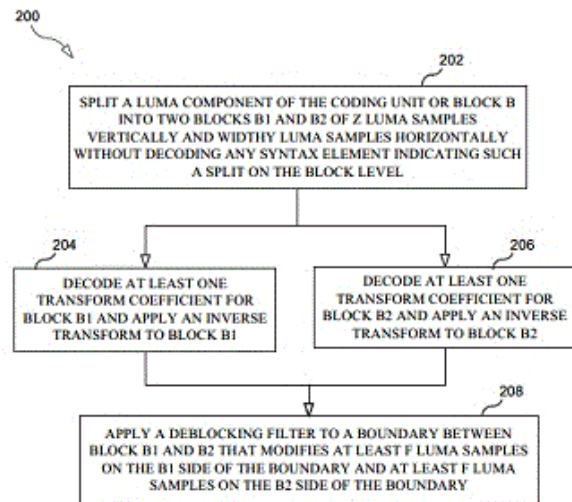
72: ANDERSSON, KENNETH, STRÖM, JACOB, ZHANG, ZHI, SJÖBERG, RICKARD

33: US 31: 62/673,110 32: 2018-05-17

54: DEBLOCKING OF IMPLICIT TRANSFORM UNIT BOUNDARIES

00: -

In one aspect there is disclosed a method of applying deblocking on implicit vertical TU boundaries when the CU width is larger than the maximum TU width and applying deblocking on implicit horizontal TU boundaries when the CU height is larger than the maximum TU height. Some exemplary embodiments include HEVC deblocking and deblocking using longer filters.



21: 2020/06731. 22: 2020/10/28. 43: 2021/11/19

51: G01R

71: UNIVERSITY OF CAPE TOWN

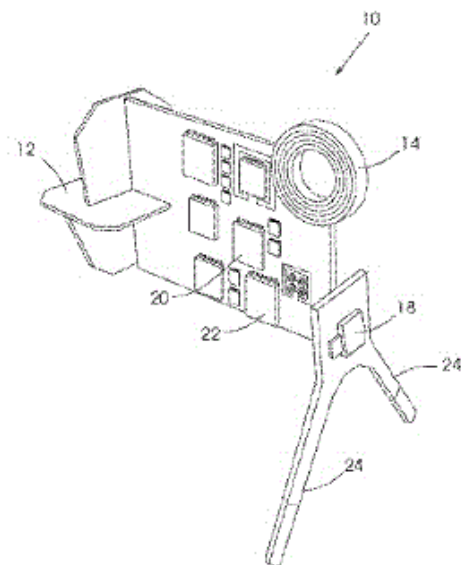
72: VAN NIEKERK, ADAM MARTHINUS JOHANNES

33: GB 31: 1809866.5 32: 2018-06-15

54: A WIRELESS RADIO FREQUENCY TRIGGERED SIGNAL ACQUISITION DEVICE

00: -

A wireless radio frequency triggered signal acquisition device includes three orthogonal pick up coils in which voltages will be induced by a time varying, spatially varying magnetic field inside a chamber of an MRI scanner. A radio frequency detection circuit detects radio frequency pulses emitted by an MRI scanner and a wireless transmission circuit transmits data from the device, A 3-axis magnetometer is used for measuring magnetic flux in the chamber of the MRI scanner. A processor uses the detected radio frequency pulses to synchronize measurements taken by the magnetometer and pickup coils to a time frame of a gradient driver hardware, thereby matching the measurements to a pulse sequence waveform. The processor further combines measurements of induced voltages in the orthogonal pick up coils and the magnetic flux with the pulse sequence waveform in order to solve for the instantaneous position and orientation of the device.



21: 2020/06733. 22: 2020/10/28. 43: 2021/11/19
51: B41F

71: KOENIG & BAUER AG

72: JANTSCH, ANDREAS, KREPS, EDWIN,
SCHELLER, MICHAEL

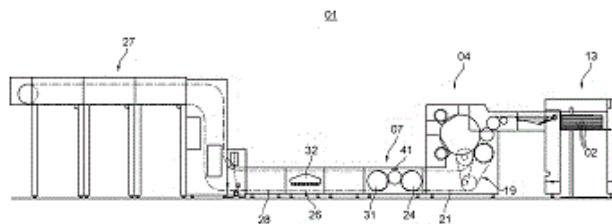
33: DE 31: 10 2018 212 429.9 32: 2018-07-25

33: DE 31: 10 2018 212 427.2 32: 2018-07-25

**54: DEVICES FOR ALIGNING MAGNETIC OR
MAGNETIZABLE PARTICLES, MACHINE AND
METHOD FOR GENERATING OPTICALLY
VARIABLE IMAGE ELEMENTS**

00: -

The invention relates to devices for aligning magnetic or magnetizable particles, which are contained in a coating means (06) applied on one side of a substrate (02), which is in the form of a web or sheet, having a magnet cylinder (33), which is arranged in the transport path of the substrate (02) to be conveyed and, in the region of the outer circumference thereof, has a plurality of devices (34) effecting a magnetic field, or magnet devices (34) for short, wherein some or all of the magnet devices (34) comprise a magnet (44) which is rotatable by an associated motor (46). The magnet cylinder (33) is rotatably arranged in frame walls (38; 39) of a frame, and at least one transducer (63) for contactless transfer of electrical energy and/or control signals from the outside is provided in or on the rotating magnet cylinder (33), which comprises a transducer part (64) fixed to the frame and a transducer part (66) fixed to the cylinder during operation.



21: 2020/06772. 22: 2020/10/29. 43: 2021/11/29

51: B01J; C07C

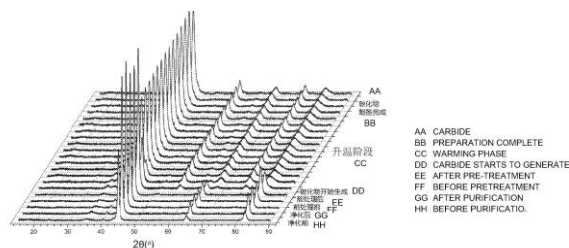
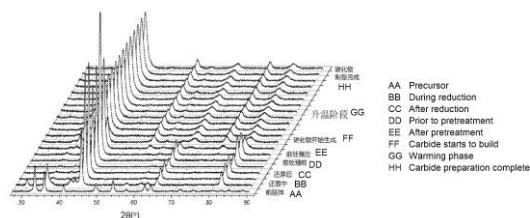
71: CHINA ENERGY INVESTMENT
CORPORATION LIMITED, NATIONAL INSTITUTE
OF CLEAN-AND-LOW-CARBON ENERGY
72: WANG, Peng, ZHAGN, Kui, LV, Yijun, LIN,
Quan, FENG, Bo, MEN, Zhuowu, ZHANG, Fengbo,
SUN, Qi, MIAO, Ping

33: CN 31: 201810283256.6 32: 2018-04-02

**54: "SUPPORTED E/E' IRON CARBIDE
CATALYST FOR FISCHER-TROPSCH
SYNTHESIS REACTION, PREPARATION
THEREOF AND FISCHER-TROPSCH SYNTHESIS
PROCESS"**

00: -

A supported e/e' iron carbide catalyst for use in a Fischer-Tropsch synthesis reaction, a preparation method for the catalyst, and a method for a Fischer-Tropsch synthesis. The preparation method comprises: (1) a catalyst support is impregnated in an aqueous solution of an iron salt, the impregnated support is dried and roasted to produce a catalyst precursor; (2) a catalyst reduction of the catalyst precursor is performed with H₂ at a temperature of 300-550 °C; (3) a pretreatment of the material produced in step (2) is performed with H₂ and CO at a temperature of 90-185 °C, the molar ratio of H₂ to CO being 1.2-2.8 : 1; and (4) a carbide preparation of the material produced in step (3) is performed with H₂ and CO at a temperature of 200-300 °C, the molar ratio of H₂ to CO being 1.0-3.2 : 1. The preparation method produces a catalyst of which the active phase is 100% pure-phase e/e' iron carbide; the catalyst is provided with reduced CO₂ and CH₄ selectivity and increased effective product selectivity.



21: 2020/06773. 22: 2020/10/29. 43: 2021/11/29
51: B01J; C07C
71: CHINA ENERGY INVESTMENT CORPORATION LIMITED, NATIONAL INSTITUTE OF CLEAN-AND-LOW-CARBON ENERGY
72: WANG, Peng, LV, Yijun, ZHAGN, Kui, JIANG, Fuguo, MEN, Zhuowu, WANG, Tao, SUN, Qi, MIAO, Ping

33: CN 31: 201810283708.0 32: 2018-04-02
54: PURE PHASE E/E' IRON CARBIDE CATALYST FOR FISCHER-TROPSCH SYNTHESIS REACTION, PREPARATION METHOD THEREFOR AND FISCHER-TROPSCH SYNTHESIS PROCESS

00: -

A pure-phase e/e' iron carbide catalyst for Fischer-Tropsch synthesis reaction, a preparation method therefor and a Fischer-Tropsch synthesis method, the preparation method comprising the following steps: (1) purifying the surfaces of nanometer iron powder or a nano-powder iron compound of the nanometer iron powder obtained by means of in-situ reduction and H₂ at 250-510°C; (2) performing pretreatment on the material obtained in step (1) together with H₂ and CO at 80-180°C, the molar ratio of H₂ to CO being 1.2-2.8: 1; and (3) preparing a carbide by using the material obtained in step (2) along with H₂ and CO at 180-280°C, the molar ratio of the H₂ to CO being 1.0-3.0: 1. The described preparation method has the advantages of raw materials that are easy to obtain and simple operation steps and may prepare a 100% pure-phase e/e' iron carbide catalyst, which has low CO₂ and CH₄ selectivity and highly effective product selectivity.

21: 2020/06778. 22: 2020/10/29. 43: 2021/11/09
51: C11D; C09B
71: UNILEVER PLC
72: BATCHELOR, STEPHEN NORMAN, BURNHAM, NEIL STEPHEN
33: EP 31: 18186024.8 32: 2018-07-27
54: LAUNDRY DETERGENT

00: -

A laundry detergent composition comprising: (i) from 2 to 70 wt. % of a surfactant; and (ii) from 0.00001 to 0.1 wt. % of a poly-alkoxylated blue or violet bis-azo dye comprising at least one polyalkoxy group which is end-terminated by a -COOH group.

21: 2020/06810. 22: 2020/10/30. 43: 2021/11/19
51: A61K; A61Q
71: DAVINES S.P.A.
72: GOI, PAOLO, NICOLI, MARGHERITA, CACCIA, TERESA, VACCARO, SONIA, MORI, ALESSANDRA

33: IT 31: 102018000004333 32: 2018-04-09
54: PROCESS FOR TREATING HAIR

00: -

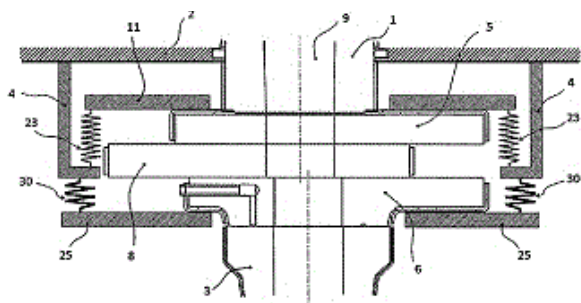
A method for treating hair comprising: (a) applying to hair a cosmetic formulation comprising an active part having a binding and antioxidant action, wherein said active part is selected from the group consisting of: (i) liposol maleate and (ii) a mixture of liposol maleate and maleic acid, the weight ratio between them being from 5:95 to 95:5.

21: 2020/06813. 22: 2020/10/30. 43: 2021/11/19
51: B22D
71: REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG
72: HEINRICH, BEAT, AMSTUTZ, THOMAS
33: EP 31: 18179932.1 32: 2018-06-26

54: SLIDING CLOSURE FOR A METALLURGICAL VESSEL, PREFERABLY A DISTRIBUTOR VESSEL FOR A CONTINUOUS CASTING FACILITY

00: -

The invention relates to a sliding closure for a metallurgical vessel, having two compensation units I and II to compensate for overloads which can result from the thermal expansion and from production-induced scatter of the fire-resistant closure plate thicknesses and/or the upper inner sleeve, wherein the inner sleeve can also be lowered during operation. Compensation unit I comprises a spring assembly (23) having fixing screws (15a, 15b) that can be pivoted away between the housing (4) and a cover (11) of the housing. Compensation unit II for its part comprises a spring assembly (30) having an insert frame (25) that presses against the lower closure plate (6) and which spring assembly is fixed to the underside of the housing (4) by fixing screws (26).

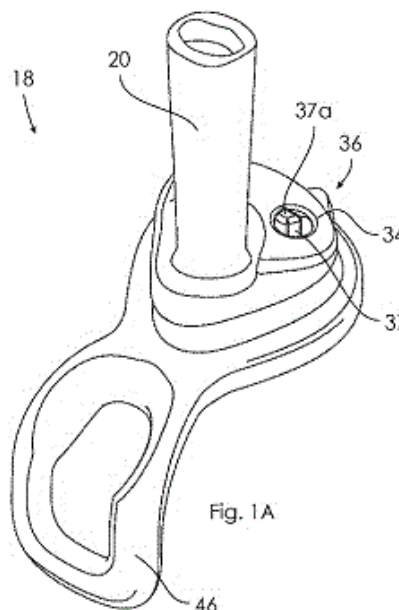


21: 2020/06814. 22: 2020/10/30. 43: 2021/11/19
51: A47G; B65D
71: B.BOX FOR KIDS DEVELOPMENTS P/L
72: AMATOURY, SYLVAIN JACQUES,
TJERNBERG, LISA CHARLOTTE EDLUND
33: AU 31: 2018203169 32: 2018-05-07
54: DRINKING VESSEL AND VENTILATION MEMBERS

00: -

A drinking vessel has a cup with a removable lid having at least one inlet-outlet opening which receives an elastic straw-vent assembly having a flexible tubular straw or spout or teat and a ventilation member that defines an air passageway and a vent opening. A vent actuator is operably coupled to the ventilation member and configured to change a state of the ventilation member between a ventilation state and a closed state. A cover movably mounted on top of the lid, shiftable between a closed and an open position, comprises a cam on an inward surface of the cover which is configured to contact the vent actuator during movement of the cover member to change the state of the ventilation

member. In the closed position the cover engages the straw, folding the straw against the lid to seal the straw passageway, and in the open position, the straw fluid passageway and the vent opening are unobstructed by the cover. A removeable elastic straw-vent assembly is also disclosed having a tab to be grasped by the user for easy removal for cleaning.

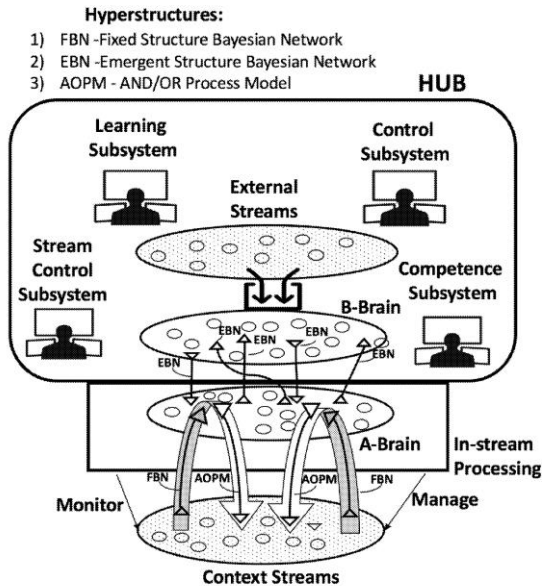


21: 2020/06840. 22: 2020/11/02. 43: 2021/11/29
51: G06N
71: COGNITIVE SYSTEMS PTY LTD
72: Anna Elizabeth Gezina POTGIETER
33: ZA 31: 2018/00761 32: 2018-02-06
54: COMPLEX ADAPTIVE SYSTEM

00: -

The invention discloses a complex adaptive system, which includes an intelligent software system adapted to perform in-stream adaptive cognition in high volume, high velocity, complex data streams and/or is adapted to act in the environment using distributed software agents called control agents. The system is adapted to sense its environments through sensors and act intelligently upon the environment using actuators. The system is autonomous in that it is adapted to decide how to relate sensor data to actuators in order to fulfil a set of goals through dynamic interaction with their complex and dynamically changing environment. The system consists of distributed agents, located in

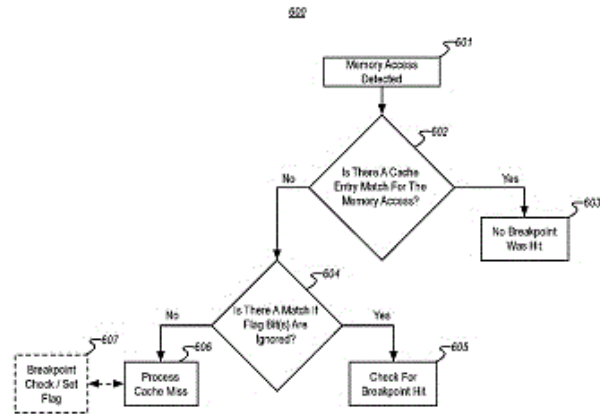
a networked environment that communicate and coordinate their actions by passing messages.



21: 2020/06888. 22: 2020/11/04. 43: 2021/11/16
 51: G06F
 71: MICROSOFT TECHNOLOGY LICENSING, LLC
 72: MOLA, JORDI
 33: US 31: 16/020,636 32: 2018-06-27
**54: CACHE-BASED TRACE REPLAY
 BREAKPOINTS USING RESERVED TAG FIELD
 BITS**

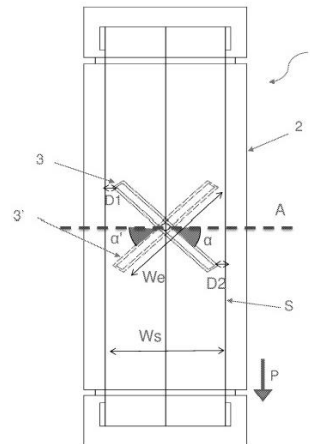
00: -

Performing breakpoint detection via a cache includes detecting an occurrence of a memory access and identifying whether any cache line of the cache matches an address associated with the memory access. When a cache line does match the address associated with the memory access no breakpoint was encountered. When no cache line matches the address associated with the memory access embodiments identify whether any cache line matches the address associated with the memory access when one or more flag bits are ignored. When a cache line does match the address associated with the memory access when the one or more flag bits are ignored, embodiment perform a check for whether a breakpoint was encountered. Otherwise, embodiments process a cache miss.



21: 2020/07642. 22: 2020/12/08. 43: 2021/11/29
 51: C23C
 71: ARCELORMITTAL
 72: Eric SILBERBERG, Thiago RABELO NUNES CAMPOS, Negar GILANI
 33: IB 31: PCT/IB2018/054302 32: 2018-06-13
**54: VACUUM DEPOSITION FACILITY AND
 METHOD FOR COATING A SUBSTRATE**
 00: -

The present invention relates to A Method for continuously depositing, on a running substrate, coatings formed from at least one metal inside a Vacuum deposition facility comprising a vacuum chamber, a coated substrate coated with at least one metal on both sides of the substrate and a vacuum deposition facility.



21: 2020/07707. 22: 2020/12/10. 43: 2021/11/29
 51: A47C; A47D; A47G; A61F; A61G; B60N
 71: KLUBA MEDICAL GMBH
 72: Susanne KLUBA
 33: EP 31: 18177627.9 32: 2018-06-13

54: SHAPED BODY FOR SUPPORTING A HUMAN HEAD

00: -

The invention relates to a shaped body for receiving a skull on a support plane, which is substantially annular and can counteract the deformation of the skull.

Fig. 3

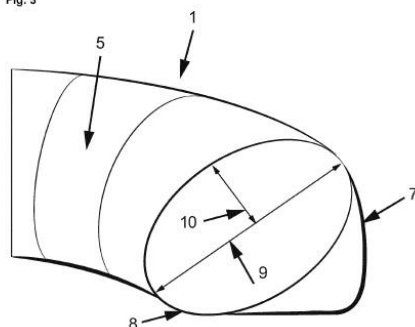
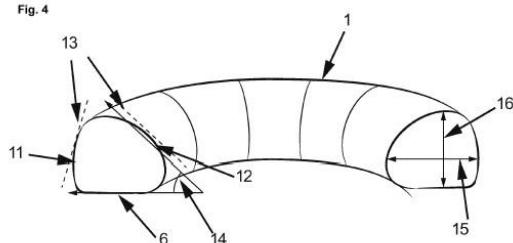


Fig. 4



21: 2020/07759. 22: 2020/12/11. 43: 2021/11/04

51: A01F; F26B

71: HABER TECHNOLOGIES LLC

72: HARWEGER, ERIC

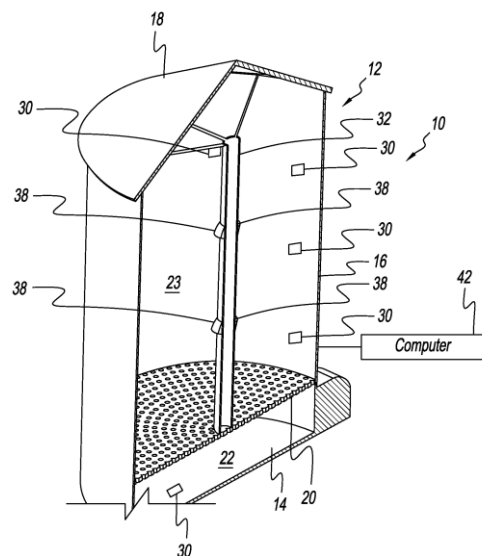
33: US 31: 62/671,122 32: 2018-05-14

33: US 31: 16/357,596 32: 2019-03-19

54: ASSEMBLY FOR SATURATING A MEDIUM WITH A FLUID

00: -

An assembly for saturating or aerating a medium with fluid. At least one hollow cylinder having gates and vents embedded within a grain mass. A target section of grain mass is identified and the gates and vents activated to provide influent flow to the target section in both vertical and horizontal directions.



21: 2020/07930. 22: 2020/12/18. 43: 2021/11/11

51: A61K; A61P; C07C; C07D

71: AstraZeneca AB

72: SCHULZ, Håkan, SMITH, Reed Warren

33: US 31: 62/675,820 32: 2018-05-24

54: FUMARATE SALT OF 5-((5-METHYL-2-((3,4,5-TRIMETHYLPHENYL)AMINO)PYRIMIDIN-4-YL)AMINO)-BENZO[D]OXAZOL-2(3H)-ONE

00: -

A fumarate salt, in particular the hemi-fumarate salt, of 5-((5-methyl-2-((3,4,5-trimethylphenyl)amino)pyrimidin-4-yl)amino)-benzo[d]oxazol-2(3H)-one (Compound (I), compositions comprising such a salt, and processes for the manufacture of such a salt, in particular Compound (I) hemi-fumarate salt are described. The salt is useful for the treatment of conditions such as asthma and CORD, involving modulation of the JAK pathway or inhibition of JAK kinases particularly JAK1.

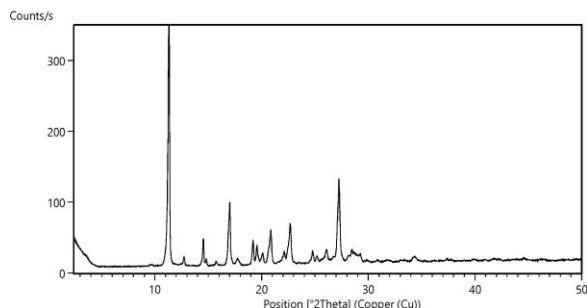
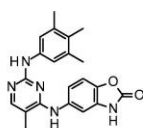
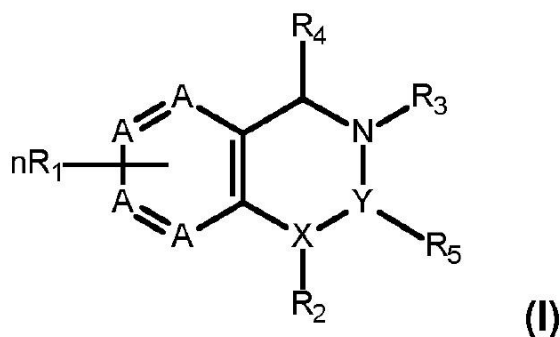


Figure 1

XRPD of 5-((5-methyl-2-((3,4,5-trimethylphenyl)amino)pyrimidin-4-yl)amino)-benzo[d]oxazol-2(3H)-one hemi-fumarate salt



Compound (I).



21: 2020/07983. 22: 2020/12/21. 43: 2021/10/29
51: A47C; B29C

71: L&P Property Management Company
72: LONG, Austin G.

33: US 31: 16/021,919 32: 2018-06-28

54: POCKETED SPRING ASSEMBLY HAVING MULTI-LAYERED IMPERMEABLE FABRIC

00: -

A pocketed spring assembly (12, 12a, 12b, 12d, 12e, 12f, 12g) comprises a plurality of parallel strings (26b) of individually pocketed springs (28). Each string (26b) is joined to at least one adjacent string. Each string (26b) has first and second opposed plies (48, 50) of fabric and a plurality of pockets (38, 38') formed along a length of the string by transverse segmented seams (54, 54') joining the plies. Gaps (66, 66', 70, 70') between the segments of the seams (52, 52', 54, 54') allow air to pass into and out of the pockets (38, 38') despite the fabric being impermeable to airflow through the fabric. The fabric has at least four layers (76, 80, 78, 76). The size of the gaps (66, 66', 70, 70') determines the firmness or "feel" of the pocketed spring assembly (12, 12a, 12b, 12d, 12e, 12f, 12g) or portion thereof.

21: 2020/07980. 22: 2020/12/21. 43: 2021/11/29
51: A61K; C07D; A61P

71: RECORDATI INDUSTRIA CHIMICA E FARMACEUTICA SPA

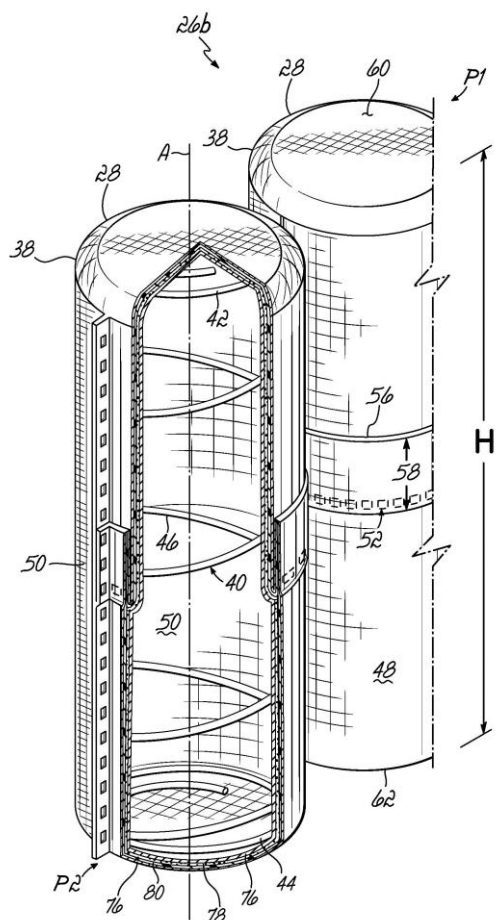
72: Davide GRAZIANI, Sergio MENEGON, Patrizia ANGELICO, Carlo RIVA

33: GB 31: 1811452.0 32: 2018-07-12

54: P2X3 RECEPTOR ANTAGONISTS

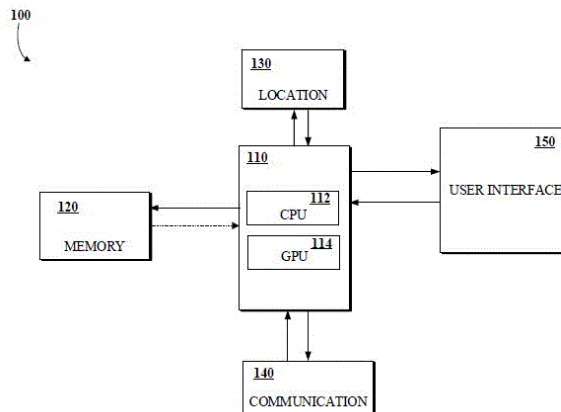
00: -

This invention relates to compounds of formula (I); and their use as antagonists of P2X3 and P2X2/3 receptor activity, pharmaceutical compositions comprising such compounds, and methods of treatment therewith. Compounds of the invention can be used for the treatment and/or prevention of pain and chronic pain and tolerance to analgesic, respiratory disorders and dysfunctions, and treatment of overactive bladder, bladder pain syndrome, dysuria and in general in genitourinary diseases, cardiovascular disorders and more in general for the potential treatment of visceral organ diseases and disorders characterized by the involvement of P2X3 and P2X2/3 receptors.



21: 2021/00105. 22: 2021/01/07. 43: 2021/11/04
 51: G06F; G06Q
 71: WITL, LLC
 72: CZAJKA, Ronald J., ATTISHA, Sam B.
 33: US 31: 62/958,453 32: 2020-01-08
54: REAL TIME DISCOUNT MARKETPLACE
 00: -

A method includes receiving, from a user device of a user, a first request for a discount; identifying, based on the first request, matching discounts from respective vendors, wherein at least some of the matching discounts comprising respective expiration timestamps; forwarding the matching discounts to the user device; and receiving, from the user device, a second request to associate a selected matching discount of the matching discounts from a selected vendor with the user.



21: 2021/00132. 22: 2021/01/08. 43: 2021/11/11
 51: A01N; A01P
 71: Fine Agrochemicals Limited
 72: WIKLEY, Philip Simon, SCOTT, Graham Vaughan, SEAMAN, Graham David, BEVILLE, Mark
 33: EP(GB) 31: 18183000.1 32: 2018-07-11
54: PLANT GROWTH REGULATOR CONCENTRATE AND USE THEREOF
 00: -

The invention relates to a liquid concentrate comprising a plant growth regulator like prohexadone dissolved in an ionic liquid, the ionic liquid comprising an organic base and a strong acid. The ionic liquid may comprise an amine, amide, imine, imide or urea. The strong acid preferably is ethephon.

21: 2021/00202. 22: 2021/01/12. 43: 2021/11/25
 51: A61K; C12N
 71: INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), GENETHON, SORBONNE UNIVERSITÉ, UNIVERSITÉ DE PARIS, SPARK THERAPEUTICS, INC.
 72: LACROIX-DESMAZES, Sébastien, MINGOZZI, Federico, DIMITROV, Jordan, LEBORGNE, Christian, ARMOUR, Sean
 33: US 31: 62/768,731 32: 2018-11-16
 33: EP 31: 18305971.6 32: 2018-07-17
54: COMPOSITIONS AND METHODS FOR INCREASING OR ENHANCING TRANSDUCTION OF GENE THERAPY VECTORS AND FOR REMOVING OR REDUCING IMMUNOGLOBULINS
 00: -

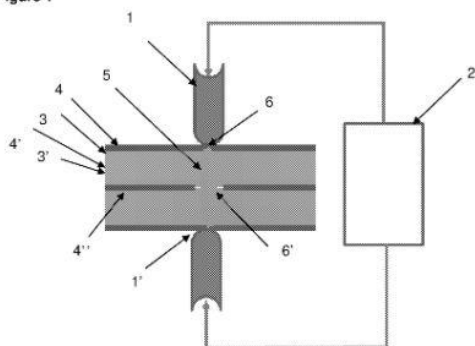
Disclosed herein are methods for treating patients that may develop or already have pre-existing gene therapy neutralizing antibodies by administering a protease that cleaves peptide bonds present in immunoglobulins or by administering a glycosidase

33: IB 31: PCT/IB2018/056997 32: 2018-09-13
54: AN ASSEMBLY OF AT LEAST 2 METALLIC
SUBSTRATES

00: -

The present invention relates to a method for the manufacture of an assembly of at least two metallic substrates spot welded together through at least one spot welded joint, such method comprising two steps, the assembly obtainable according to this method and the use of this assembly for the manufacture of automotive vehicle.

Figure 1



21: 2021/00601. 22: 2021/01/27. 43: 2021/11/17
51: G01N

71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY

72: GAO, YANAN, GAO, FENG, GAO,
MINGZHONG, BAI, YUN, XIE, JING

33: CN 31: 201910628647.1 32: 2019-07-12

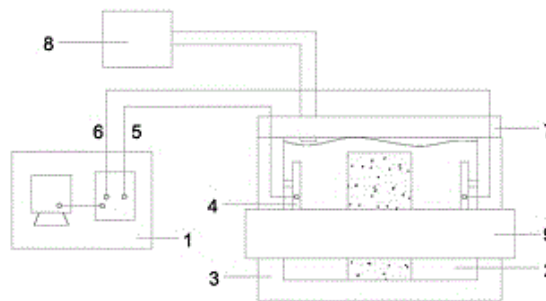
33: CN 31: 201910916473.9 32: 2019-09-26

54: TEST METHOD FOR NON-CONTACT MEASUREMENT OF WAVE VELOCITY OF ROCK IN FIDELITY ENVIRONMENT

00: -

Disclosed is a test method for non-contact measurement of wave velocity of rock in a fidelity environment. A cylindrical container is selected, and an acoustic wave transmitting probe and an acoustic wave receiving probe are fixed in the cylindrical container by using two fixing devices respectively. An acoustic wave testing system equipped with a waveform signal generator and a signal acquisition card is selected, and is connected to the acoustic wave transmitting probe and the acoustic wave receiving probe. The cylindrical container is filled with a liquid acoustic wave transmission medium. Thus, non-contact measurement of wave velocity of rock can be realized in a fidelity environment. The

present invention requires an apparatus with a simple structure and low cost, and puts forwards a simple measurement method; and further realizes non-contact rock acoustic wave testing merely by using a common acoustic-transmitting test system, greatly improving the efficiency of rock acoustic wave testing and further providing support for later integration of continuous physical property testing of the rock. Therefore, the present invention is of great significance for in-depth study of the mechanical properties of deep in-situ rock masses.



21: 2021/00668. 22: 2021/01/29. 43: 2021/11/04
51: H04W

71: Huawei Technologies Co., Ltd.

72: ZHU, Haoren, ZHU, Hualin

33: CN 31: 201810917815.4 32: 2018-08-13

54: POSITIONING METHOD AND COMMUNICATIONS APPARATUS

00: -

The present application provides a positioning method and a communication apparatus. The method comprises: a mobile location center gateway receives a first positioning request of a terminal device sent by a positioning service client; the mobile location center gateway determines a first target public land mobile network (PLMN) according to the first positioning request, the first target PLMN being used for providing a positioning service for the terminal device; the mobile location center gateway sends a second positioning request to a first location management network element LMF in the first target PLMN, the second positioning request being used for requesting the first LMF to provide the positioning service for the terminal device. By means of the positioning method provided in the present application, when the terminal device accesses multiple PLMN scenarios, positioning of the terminal device in a multi-PLMN scenario can be realized.

The positioning technology of the terminal device in the multi-PLMN scenario is clarified, the positioning efficiency and accuracy of the terminal device are improved, and the communication efficiency and the user experience are improved.

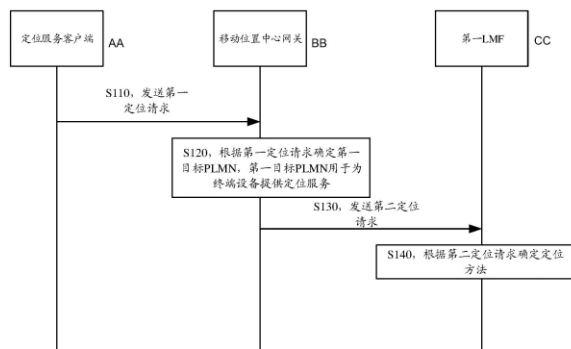


图 5

S110 Send a first positioning request
 S120 Determine a first target PLMN according to the first positioning request, the first target PLMN being used for providing a positioning service for a terminal device
 S130 Send a second positioning request
 S140 Determine a positioning method according to the second positioning request
 AA Positioning service client
 BB Mobile location center gateway
 CC First LMF

21: 2021/00743. 22: 2021/02/03. 43: 2021/11/04
 51: A61K; A61Q

71: Godrej Consumer Products Ltd.

72: PAWAR, Harshad, SAMNANI, Sonia, NAIK, Sandeep, YADLAPALLI, Venkateswara

33: IN 31: 202121003254 32: 2021-01-23

54: RECONSTITUTABLE PERSONAL HYGIENE PRODUCT

00: -

Disclosed herein is a formulation for reconstitutable personal hygiene product. Said product is manufactured in a powdered form which could be reconstituted to form a stable liquid. Said composition contains one or more Polymer or Gum or combinations of polymer and gum, with one or more of surfactants, preservatives, Silica or the said product contains one or more conditioning agents, cationic antimicrobial actives and Humectants.

21: 2021/00900. 22: 2021/02/10. 43: 2021/11/25

51: B02C

71: VERTICAL POWER MILLS TECHNOLOGY AG

72: Johann KNECHT, Norbert PATZELT

33: DE 31: 10 2018 122 540.7 32: 2018-09-14

54: VERTICAL BALL MILL, STATOR SEGMENT FOR A VERTICAL BALL MILL AND METHOD FOR MAINTAINING A VERTICAL BALL MILL

00: -

The invention relates to a vertical ball mill (100), in particular for the pre-grinding of minerals, comprising: a rotor (204), which is axially and radially supported at an upper end and hangs downward; a stator (102), which radially extends around the rotor (204), is not loaded by the weight of the rotor (204), stands in a self-supporting manner and has a lateral surface that is oriented tangentially to the rotor (204) and that is approximately cylindrical within a shape tolerance; and a base plate (200), which supports the weight of the stator (102), wherein: the stator (102) is composed of at least two stator segments (112), which can be separated from one another, stand unsupported in the separated state and can be moved relative to one another; each of the stator segments (112) has, on at least one side edge of a wall (116) which forms the lateral surface (104), which side edge runs from a top edge of the wall (116) to a bottom edge of the wall (116), a sealing surface for sealing to the other stator segment (112), and has, on the bottom edge, a standing surface (122) dimensioned appropriately for the load, for sealing to the base plate (200); the stator segment (112) rests standing orthogonally on a load-bearing surface (201) of the base plate (200) within an angular tolerance, with the standing surface (122) on the base plate (200).

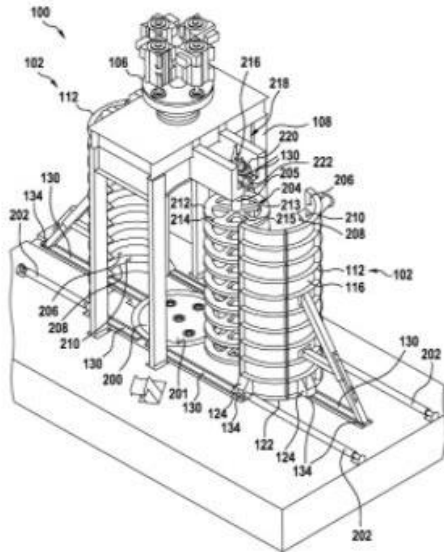
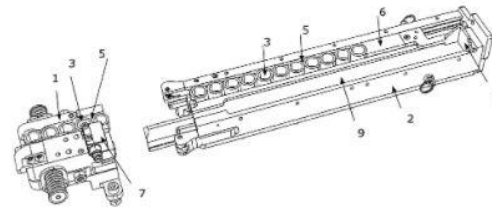


Abbildung 1



21: 2021/01028. 22: 2021/02/15. 43: 2021/11/29
 51: A47F; B23K; B23Q; G07F
 71: BRÄUER SYSTEMTECHNIK GMBH
 72: Jens NITZ, Frank SONNTAG, Robin KÜTTNER
 33: DE 31: 10 2018 007 252.6 32: 2018-09-14

54: FILL LEVEL DETECTIONING FOR ELECTRODE CAP MAGAZINES

00: -

The invention relates to fill level detectioning for electrode cap magazines of welding electrodes, consisting of an electrode cap magazine having at least one electrode cap channel (5), in which at least one cap conveyor (6) is arranged in a linearly moveable manner and preferably applied with a spring force, which moves the electrode caps (3) contained in the electrode cap channel (5) in the direction of the removal opening for the access of welding tongs, wherein the mechanically connected element thereof functions as a measuring surface (8) and a sensor (7) for path measurement is arranged on the impinged side and/or the fixed side thereof, which projects a measuring beam onto the measuring surface (8) for measuring the distance between the sensor (7) and the measuring surface (8) and the exact number of the electrode caps (3) contained in the electrode cap magazine is determined by means of the evaluation of evaluating this path distance detected by the sensor (7).

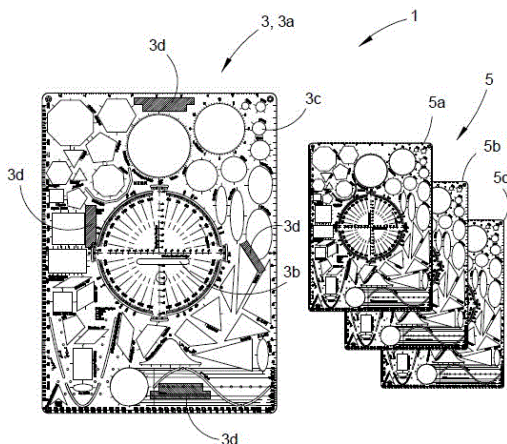
21: 2021/01074. 22: 2021/02/17. 43: 2021/11/04
 51: B43L

71: Objective Learning Materials Pty Ltd
 72: LAWTON, John, NECHIPORENKO, Dmitry
 33: AU 31: 2020201167 32: 2020-02-18

54: TEMPLATES AND HANDLES

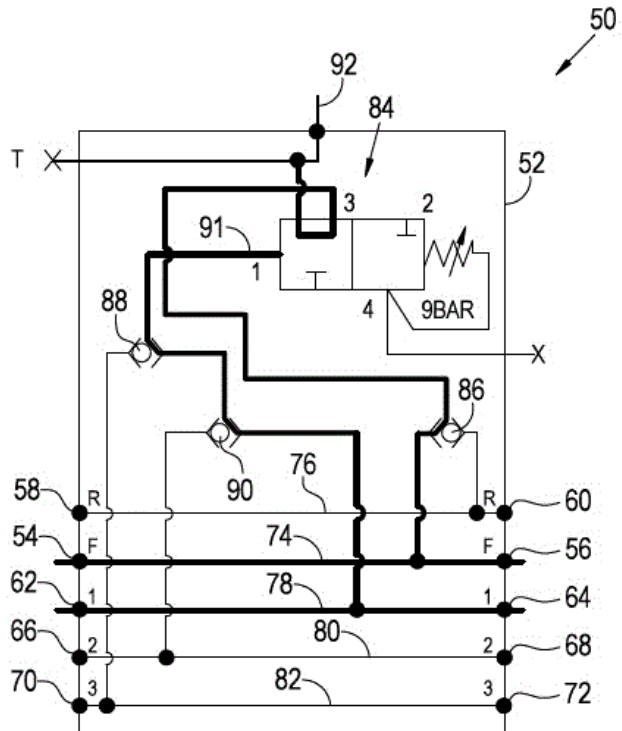
00: -

A handle 11 reversibly detachable from an object body 9. The object body comprises one or more mounting holes 9c for mounting the handle. The handle comprises a grip portion 11a (having a length embraceable by a hand), one or more support portions 11b (to support the grip portion at a distance from the object body), one or more heads 11c (to pass through the one or more mounting holes) and a transmission 15. The distance is transverse to the length of the grip portion. The transmission connects the grip portion to the head(s) such that the grip portion is rotatable about its length to move the one or more heads to capture a portion of the object body between the one or more support portions and the one or more heads, and thereby attach the handle to the object body.



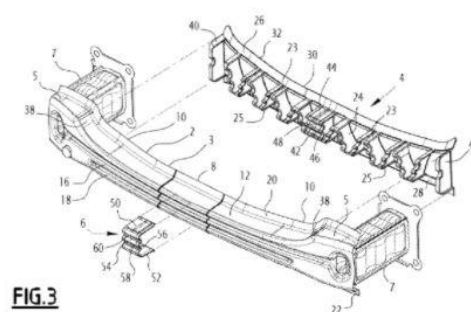
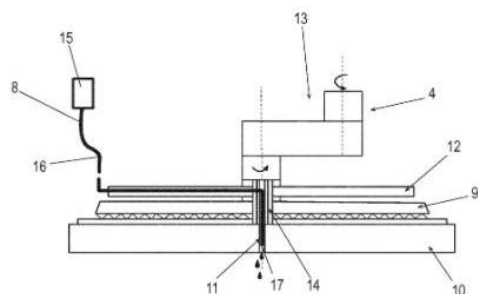
21: 2021/01076. 22: 2021/02/17. 43: 2021/11/04
 51: B60T; F16D; F16L
 71: GHMM Manufacturing (Pty) Ltd
 72: TINK, Rodney, INGGIS, Noel
 33: ZA 31: 2020/01098 32: 2020-02-21
54: A valve for the control of neutral braking
 00: -

This invention relates to the operation of a neutral brake of a mobile machine which has a direction selector for selecting a movement direction and a gear selector for selecting a gear ratio. The machine includes a control arrangement which is configured to permit release of the neutral brake only when both a movement direction has been selected by the direction selector and a gear ratio has been selected by the gear ratio.



21: 2021/01112. 22: 2021/02/18. 43: 2021/11/29
 51: B24B; B24D
 71: RUD. STARCKE GMBH & CO. KG
 72: Werner UNNERSTALL, Christian WALL,
 Christian BURSTEIN, Stephan KAMPMEYER,
 Diethard SINRAM, Peter ALFER
 33: DE 31: 10 2018 121 626.2 32: 2018-09-05
54: POLISHING DEVICE
 00: -

A polishing device held on a robot arm (1), having a support plate (9), a polishing disc (10) held thereon, a drive moving the support plate (9) in a plane, and a metering device (8) for feeding a polishing agent to the working side of the polishing disc (1), is designed such that an application nozzle (11) of the metering device (8) is guided through an open central axis of the support plate (9), the polishing disc (10) having a central opening (17) for allowing the passage of the polishing agent metered in computer-controlled manner.

**FIG.3**

21: 2021/01144. 22: 2021/02/19. 43: 2021/11/29

51: B60R

71: ARCELORMITTAL

72: Elie GIBEAU, Yannis KHEYATI, Nabil MENEGADY

33: IB 31: PCT/IB2018/056868 32: 2018-09-10

54: BUMPER BEAM HAVING AN INSERT

00: -

Cross member for a bumper beam comprising an outer beam, an inner reinforcement element extending inside at least a part of the outer beam inner volume and comprising at least two reinforcement ribs protruding towards the front beam wall, said reinforcement ribs being connected together at least at their back end, opposite to the front beam wall, by an upper transversal branch and a lower transversal branch, said upper and lower transversal branches being attached respectively to the upper and lower beam flanges of the outer beam, wherein each reinforcement rib abuts the front beam wall and the length of the upper transversal branch is less than the length of the upper beam wall and the length of the lower transversal branch is less than the length of the lower beam wall, said lengths being measured in the longitudinal direction.

21: 2021/01145. 22: 2021/02/19. 43: 2021/11/29

51: G05B

71: ARCELORMITTAL

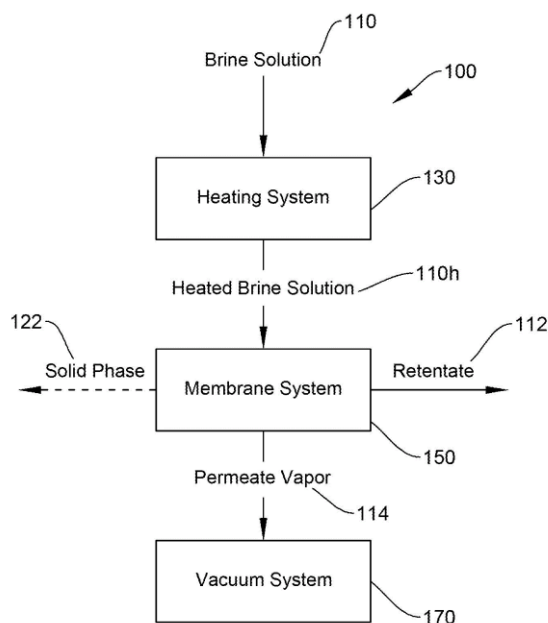
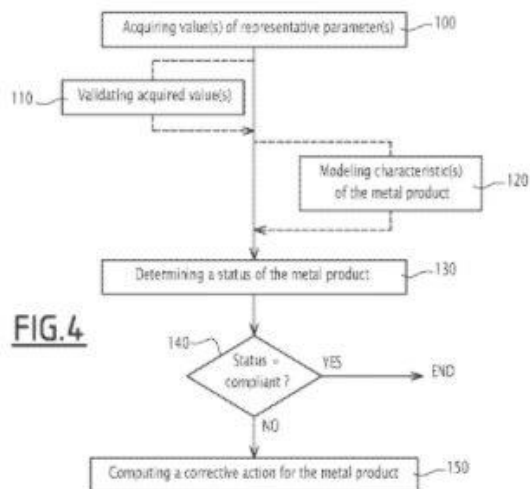
72: Bertrand BELOUIN, Jean-Michel ARBIOL

33: IB 31: PCT/IB2018/056804 32: 2018-09-06

54: METHOD AND ELECTRONIC DEVICE FOR MONITORING A MANUFACTURING OF A METAL PRODUCT, RELATED COMPUTER PROGRAM AND INSTALLATION

00: -

This method for monitoring a manufacturing of a metal product, the metal product being manufactured according to a manufacturing process, is implemented by an electronic monitoring device. This method comprises the following steps: - acquiring (100) a measured value of at least one representative parameter, each representative parameter being a parameter relating to the metal product or a parameter relating to the manufacturing process, - determining (130) a status of the metal product among a compliant status and an analysis status, depending on the at least one acquired value and on at least one target, and - when the determined status is the analysis status, computing (150) a corrective action to be applied to the product, among a set of corrective actions and depending on the at least one acquired value, the set of corrective actions including a product repair, a product downgrading, a product expertise and a product acceptance.



21: 2021/01150. 22: 2021/02/19. 43: 2021/11/11

51: B01D; C02F

71: US Metals Refining Group, Inc.

72: KASAINI, Henry W.

33: US 31: 62/720,308 32: 2018-08-21

54: METHOD AND APPARATUS FOR MINERALS AND WATER SEPARATION

00: -

A method and apparatus for the treatment of wastewater streams to form purified water and a mineral-containing by-product. The wastewater stream may be a brine or produced water from an oil/gas extraction operation. The method includes passing the wastewater stream through a membrane assembly having a pervaporation membrane, whereby purified water vapor is collected from the permeate side of the membrane. A mineral-rich product may be recovered from the retentate, and/or a mineral-rich crystalline phase may deposit on the membrane and may be recovered as a solid from the membrane or may be washed off the membrane and collected.

21: 2021/01204. 22: 2021/02/23. 43: 2021/11/29

51: C04B

71: TERION AG

72: Jürgen STEINMÜLLER, Peter MERKEL, Martin DREISMANN

33: DE 31: 10 2018 124 254.9 32: 2018-10-01

54: FILLER MADE FROM SORTED WASTE MATERIALS FOR THE PRODUCTION OF CEMENT-BOUND SHAPED BODIES

00: -

A filler for production of cement-bound shaped bodies, comprising a material group mixture of comminuted and sorted waste materials, conditioned with chemical reagents/compounds in the presence of water, wherein the material group mixture is composed of comminuted and sorted waste materials, selected from the following material groups: • PPK: paper, paperboard, cardboard • plastics • inert material • textiles • wood, which are mixed in accordance with a mass-based material group vector and then comminuted.

21: 2021/01225. 22: 2021/02/23. 43: 2021/11/29

51: C21D; C22C

71: ARCELORMITTAL

72: Samaneh ALIBEIGI

33: IB 31: PCT/IB2018/057253 32: 2018-09-20

54: COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF

00: -

A cold rolled and heat treated steel sheet having a composition comprising of the following elements $0.13\% \leq \text{Carbon} \leq 0.18\%$, $1.1\% \leq \text{Manganese} \leq 1.8\%$, $0.5\% \leq \text{Silicon} \leq 0.9\%$, $0.6\% \leq \text{Aluminum} \leq 1\%$, $0.002\% \leq \text{Phosphorus} \leq 0.02\%$, $0\% \leq \text{Sulfur} \leq 0.003\%$, $0\% \leq \text{Nitrogen} \leq 0.007\%$ and can contain one or more of the following optional elements $0.05\% \leq \text{Chromium} \leq 1\%$, $0.001\% \leq \text{Molybdenum} \leq 0.5\%$, $0.001\% \leq \text{Niobium} \leq 0.1\%$, $0.001\% \leq \text{Titanium} \leq 0.1\%$, $0.01\% \leq \text{Copper} \leq 2\%$, $0.01\% \leq \text{Nickel} \leq 3\%$, $0.0001\% \leq \text{Calcium} \leq 0.005\%$, $0\% \leq \text{Vanadium} \leq 0.1\%$, $0\% \leq \text{Boron} \leq 0.003\%$, $0\% \leq \text{Cerium} \leq 0.1\%$, $0\% \leq \text{Magnesium} \leq 0.010\%$, $0\% \leq \text{Zirconium} \leq 0.010\%$, the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 60 to 75% Ferrite, 20 to 30% Bainite, 10 to 15% Residual Austenite, and 0% to 5% Martensite, wherein the cumulated amounts of Residual Austenite and Ferrite is between 70% and 80%.

21: 2021/01241. 22: 2021/02/24. 43: 2021/11/29
51: C21D; C22C

71: ARCELORMITTAL

72: Sujay SARKAR, Xavier BANO, Guillaume MARCIREAU, Blandine OEHLER

33: IB 31: PCT/IB2018/057549 32: 2018-09-28

54: HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF

00: -

A hot rolled steel sheet having a composition comprising of the elements, expressed in percentage by weight $0.11\% = \text{Carbon} = 0.16\%$, $1\% = \text{Manganese} = 2\%$, $0.1\% = \text{Silicon} = 0.7\%$, $0.02\% = \text{Aluminum} = 0.1\%$, $0.15\% = \text{Molybdenum} = 0.4\%$, $0.15\% = \text{Vanadium} = 0.4\%$, $0.002\% = \text{Phosphorus} = 0.02\%$, $0\% = \text{Sulfur} = 0.005\%$, $0\% = \text{Nitrogen} = 0.01\%$, and can contain one or more of the following optional elements $0\% = \text{Chromium} = 0.5\%$, $0\% = \text{Niobium} = 0.05\%$, $0.0001\% = \text{Calcium} = 0.005\%$, $0\% = \text{Boron} = 0.001\%$, $0\% = \text{Magnesium} = 0.0010\%$, $0\% = \text{Titanium} = 0.01\%$, with $0.3\% = \text{Mo} + \text{V} + \text{Nb} = 0.6\%$, the remainder composition being composed of iron and unavoidable impurities, the microstructure of steel sheet comprising in area fraction, 70% to 90% Bainite, 10% to 25% Ferrite wherein the cumulated amounts of Bainite and Ferrite is at least 90% and a cumulated amount of Residual Austenite and Martensite is between 0% and 10 %.

21: 2021/01275. 22: 2021/02/25. 43: 2021/11/29

51: B21B; C21D; C22C

71: ARCELORMITTAL

72: Eva DIAZ GONZALEZ, Lieven BRACKE, Tom WATERSCHOOT, Joost DESTRYCKER

33: IB 31: PCT/IB2018/057384 32: 2018-09-25

54: HIGH STRENGTH HOT ROLLED STEEL HAVING EXCELLENT SCALE ADHESIVENESS AND A METHOD OF MANUFACTURING THE SAME

00: -

A hot rolled steel product having a composition comprising in percentage by weight: $0.06\% \leq \text{C} \leq 0.18\%$, $0.01\% \leq \text{Ni} \leq 0.6\%$, $0.001\% \leq \text{Cu} \leq 2\%$, $0.001\% \leq \text{Cr} \leq 2\%$, $0.001\% \leq \text{Si} \leq 0.8\%$, $0\% \leq \text{N} \leq 0.008\%$, $0\% \leq \text{P} \leq 0.03\%$, $0\% \leq \text{S} \leq 0.03\%$, $0.001\% \leq \text{Mo} \leq 0.5\%$, $0.001\% \leq \text{Nb} \leq 0.1\%$, $0.001\% \leq \text{V} \leq 0.5\%$, $0.001\% \leq \text{Ti} \leq 0.1\%$ and one or more following optional elements $0.2\% \leq \text{Mn} \leq 2\%$, $0.005\% \leq \text{Al} \leq 0.1\%$, $0\% \leq \text{B} \leq 0.003\%$, $0\% \leq \text{Ca} \leq 0.01\%$, $0\% \leq \text{Mg} \leq 0.010\%$ the remainder composition being composed of iron and unavoidable impurities caused by processing, such product having a tertiary scale layer comprising, in area fraction, a total amount of at least 50% of magnetite and ferrite wherein ferrite is at least 25%, 0% to 50 % of wustite, and 0% to 10% of hematite, such scale layer having a thickness between 5 microns and 40 microns.

21: 2021/01277. 22: 2021/02/25. 43: 2021/12/08

51: H04N

71: GUANGDONG OPPO MOBILE

TELECOMMUNICATIONS CORP., LTD.

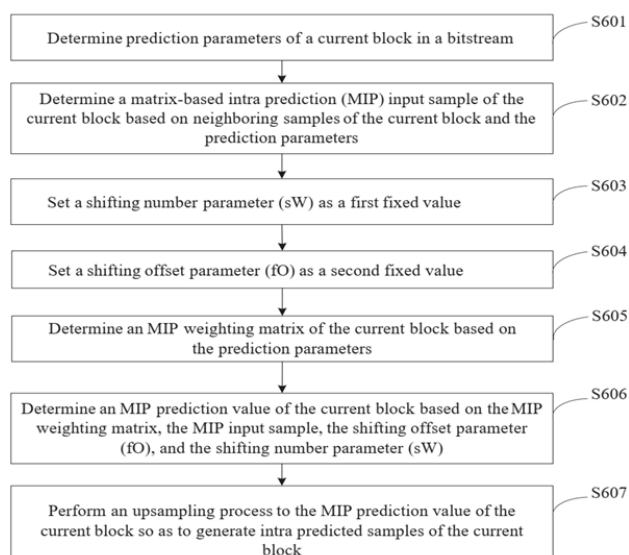
72: HUO, Junyan

33: US 31: 62/911,166 32: 2019-10-04

54: ENCODING AND DECODING METHOD, APPARATUS AND COMMUNICATION SYSTEM

00: -

The present disclosure relates to method for predicting an image. The method include (i) determining prediction parameters of a current block in a bitstream; (ii) determining a matrix-based intra prediction (MIP) input sample of the current block based on neighboring samples of the current block and the prediction parameters; (iii) setting a shifting number parameter (sW) as a first fixed value; (iv) setting a shifting offset parameter (fO) as a second fixed value; and (v) determining an MIP prediction sample of the current block based on an MIP weighting matrix, the MIP input sample, the shifting offset parameter (fO), and the shifting number parameter (sW).



21: 2021/01292. 22: 2021/02/25. 43: 2021/11/11
51: F16L

71: MTP S.r.l.

72: GUBITOSA, Maurizio

33: IT 31: 102018000009028 32: 2018-09-28

54: AN EXTENSIBLE FLEXIBLE HOSE, IN PARTICULAR BUT NOT EXCLUSIVELY FOR IRRIGATION, AND METHOD FOR ITS MANUFACTURING

00: -

Extensible flexible hose for transporting a pressurized fluid comprising: an inner tube (1) made of an elastic polymeric material adapted to be extended along a longitudinal axis starting from a rest condition in which the inner tube (1) has a rest diameter and to become radially expanded starting from a rest condition; a tubular outer textile layer (2) with a stretchable pattern, arranged outside said inner tube (1) in a loose manner with respect to said inner tube (1) and coaxially thereto with reference to said longitudinal axis, said outer layer (2) being adapted to define in itself an outer surface of the hose with no further layers; and respective connector members to fluidically connect said tube to a feeding source of said fluid and to a fluid delivery nozzle, arranged respectively at a first and at a second common end of said inner tube (1) and said outer layer (2) so as to make the inner tube (1) and the outer textile layer (2) mutually integral in correspondence to said ends, the hose being wherein said outer textile layer (2) is obtained by braiding textile yarns directly around said inner tube (1) in a longitudinally stretched condition with

respect to said rest condition, said tubular outer layer (2) having a maximum diameter, obtainable with a maximum axial compression of its textile pattern in the direction of said longitudinal axis, corresponding to said rest diameter of said inner tube (1) in said rest condition, said textile material of said outer layer (2) being a non-elastic yarn or a yarn with insignificant elasticity chosen among the following materials or a combination thereof: polypropylene, polyester, polyamide, polyethylene, para-aramid fibers.

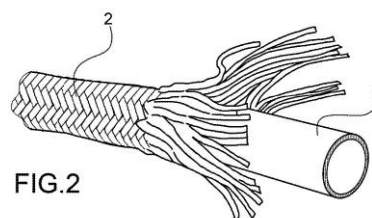


FIG.2

21: 2021/01293. 22: 2021/02/25. 43: 2021/11/11
51: A61F

71: Edwards Lifesciences Corporation

72: BIALAS, Michael R., GERARD, Robert James, SENESH, Gil

33: US 31: 62/725,240 32: 2018-08-30

54: SYSTEMS AND METHODS FOR SIZING AND IMPLANTING PROSTHETIC HEART VALVES

00: -

A method of implanting a prosthetic heart valve includes selecting a prosthetic heart valve. The selected prosthetic heart valve has a nominal diameter that is greater than a native annulus diameter of a native annulus by up to forty percent. The method further comprises compressing the selected prosthetic heart valve to a radially compressed configuration in which the selected prosthetic heart valve has a first diameter that is less than the nominal diameter, positioning the selected prosthetic heart valve within the native annulus, and expanding the selected prosthetic heart valve from the radially compressed configuration to a radially expanded configuration in which the selected prosthetic heart valve has a second diameter which is less than the nominal diameter by up to ten percent and which is greater than the first diameter.

21: 2021/01308. 22: 2021/02/25. 43: 2021/11/04
51: G09B; G06Q

71: SCHOOL OF ROCK, LLC

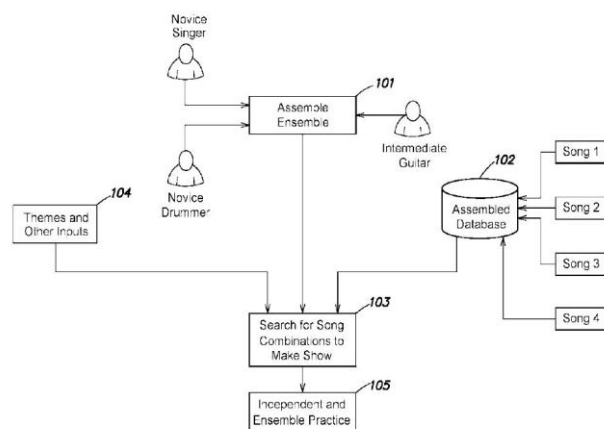
72: DRESSER, Sam, SITNICK, Leonard, A., PRICE, Robert, Lowell

33: US 31: 16/443,961 32: 2019-06-18

54: METHOD AND APPARATUS OF MUSIC EDUCATION

00: -

A computer-aided method of educating a plurality of music students in an ensemble, including: (i) receiving search parameters from a client device for searching a multidimensional database of songs, the multidimensional database of songs being compiled to include dimensions of at least (a) instrument parts which indicate a music component being played by a particular type of instrument, (b) educational concepts present, (c) one or more proficiency levels for each of the instrument parts; (ii) searching the multidimensional database of songs to retrieve one or more songs that match the received search parameters, the one or more songs being songs that match proficiency levels of the plurality of music students in the ensemble; (iii) receiving an indication from the client device of a selected song in the one or more songs; and (iv) providing to the client device method books associated with educational concepts of the selected song.



21: 2021/01443. 22: 2021/03/03. 43: 2021/11/29

51: B60R

71: ARCELORMITTAL

72: Elie GIBEAU, Yannis KHEYATI, Nabil MENEGADY

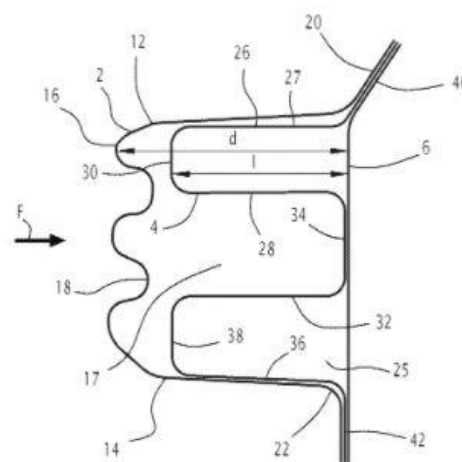
33: IB 31: PCT/IB2018/056972 32: 2018-09-12

54: BUMPER BEAM HAVING STEEL REINFORCEMENT

00: -

The cross member (1) for a bumper beam comprises: -an outer beam (2) with a main beam

portion (3) comprising an upper beam wall (12), a lower beam wall (14) and a front beam wall (16), defining together a beam inner volume (17) open in a back direction, -a reinforcement element (4) defining a reinforced area (24) of the outer beam (2), located inside a part of said beam inner volume (17) and having a cross section, defining a reinforcement inner volume (25) open in the rear direction, -a closing plate (6) closing at least a part of the beam inner volume (17), wherein the cross section of the reinforcement element (4) has a shape which is not matching the shape of the outer beam (2) in the reinforced area (24).



21: 2021/01649. 22: 2021/03/11. 43: 2021/11/29

51: E04C

71: RAMTSILO TRADING PTY LTD

72: Kedibone TSILOANE, Kekeletso TSILOANE

33: ZA 31: 2020/02638 32: 2020-05-12

54: THERMOFTENING PLASTIC POLYMER AND SAND AGGLOMERATE AND METHOD OF MANUFACTURE

00: -

This invention describes a thermosoftening plastic polymer and sand agglomerate for use in the manufacture of building bricks or paving bricks. The invention further describes a process for preparing the thermosoftening plastic polymer and sand agglomerate where water and cement is not used.

21: 2021/01723. 22: 2021/03/15. 43: 2021/11/29

51: B60K

71: VOLVO CONSTRUCTION EQUIPMENT AB

72: Krzysztof Jakub JASKIEWICZ

33: EP 31: PCT/EP2018/079810 32: 2018-10-31

54: A FUEL FILLER NECK FOR PROVIDING FUEL TO A FUEL TANK AND A METHOD FOR PROVIDING A FUEL ACCESS TO A FUEL TANK

00: -
The invention relates to a fuel filler neck for providing fuel to a fuel tank. The fuel filler neck comprises a base tube with an access opening and at least one outlet opening and a flow path from the access opening through an interior of the base tube to the least one outlet opening. Further, the fuel filler neck comprises a transition tube with an access port and an extension tube with at least one outlet port. The transition tube is releasably connected to the extension tube, and a flow passage is provided from the access port through an interior of the transition tube and through an interior of the extension tube to the at least one outlet port. A least a portion of the transition tube is arranged removably and in coverage of the at least one outlet opening within the interior of the base tube.

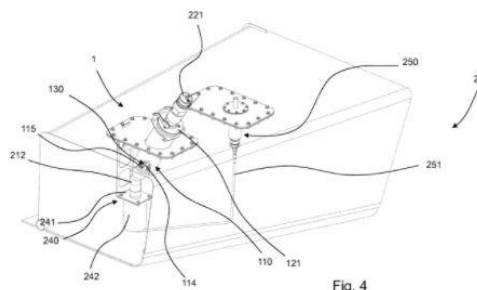


Fig. 4

21: 2021/01826. 22: 2021/03/18. 43: 2021/12/08
51: B04B; E04C

71: BLOCK SOLUTIONS OY

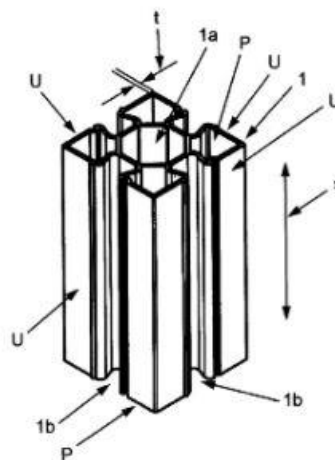
72: Markus SILFVERBERG

33: FI 31: 20185797 32: 2018-09-25

54: METHOD AND MODULE SYSTEM FOR BUILDING A WALL STRUCTURE

00: -
The invention relates to a method and a module system for building a wall structure from substantially thin-walled (t) basic components (1), which are open at ends (P) thereof opposite in a lengthwise direction (s) thereof and have an open internal space (1a), and which are coupled to each other side by side and on top of each other with connection pieces capable of being connected with a first form locking joint to lengthwise (s) coupling arrangements (1b) present on each external side (U) thereof. The basic components (1) are coupled to each other with an end block interconnecting the basic components by

the opposite ends (P) thereof and having one or each of its opposite external surfaces provided with a form locking surface attaching to the end faces of two or more basic components, and each of its sides with a groove corresponding in shape to the first form locking joint.



21: 2021/01829. 22: 2021/03/18. 43: 2021/11/29

51: B23K; C21D; C22C

71: ARCELORMITTAL

72: Jean-Christophe HELL

33: IB 31: PCT/IB2018/059510 32: 2018-11-30

54: COLD ROLLED ANNEALED STEEL SHEET WITH HIGH HOLE EXPANSION RATIO AND MANUFACTURING PROCESS THEREOF

00: -
A cold rolled annealed steel sheet having a chemical composition comprising, in weight %: 0.30% = C = 0.50%, 1.00% = Mn = 2.50%, 1.00% = Si = 2.00%, Al = 2.00%, Cr = 0.100%, 0.100% = Mo = 0.500%, 0.020% = Nb = 0.200%, B = 0.0005%, P = 0.02%, S = 0.005%, N = 0.01%, the remainder being Fe and unavoidable impurities, with the percentages in carbon, manganese, chromium, molybdenum and boron are such that the alloy satisfies the following condition: $250\%C + 120\%Mn - 200\%Cr + 200\%Mo - 10000\%B = 320$, and wherein the microstructure comprises in surface fraction, 35% to 45 % of islands of martensite and retained austenite (M-A), the total retained austenite is higher than or equal to 24%, the remainder consisting of bainitic ferrite.

21: 2021/01832. 22: 2021/03/18. 43: 2021/11/29

51: C21D; C22C

71: ARCELORMITTAL

72: Joost DE STRYCKER, Krista VAN DEN BERGH, Xavier VEYS, Lucia FERNANDEZ MACIA, Ozlem GUNGOR AYAS, Martin LIEBEHERR

33: IB 31: PCT/IB2018/058255 32: 2018-10-23

54: HOT ROLLED STEEL AND A METHOD OF MANUFACTURING THEREOF

00: -

A hot rolled steel having a composition comprising of the following elements 5 0.01%=Carbon=0.1%, 0,2%=Manganese=2%, 0.2%=Silicon=1.5%, 0.01%=Aluminum=2%, 0.1%=Tin=1%, 0.1%=Copper=0.5%, 0.001%=Niobium=0,1%, 0.002%=Phosphorus=0.02%, 0%=Sulfur=0.005%, 0%=Nitrogen=0.01 %, with 0.3% = Sn+Cu=1.2% and can contain one or more of the following optional elements 0%=Titanium=0.1%, 0%=Vanadium=0.1%, 0%=Chromium=1 %, 100%=Molybdenum=0.5%, 0%=Calcium=0.01%, 0%=Boron=0.01 %, 0%=Magnesium=<0.05%, 0%=Calcium=<0.01 %, 0%=Cerium=<0.1%, 0%=Boron=<0.05%, 0%= Nickel=<0.01%, the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 75% to 95% Ferrite, 1% to 15% Pearlite and 15 optionally Bainite is between 0% and 25% wherein the average grain size of all the microstructural constituent is less than 15microns.

21: 2021/01849. 22: 2021/03/18. 43: 2021/11/29

51: E02B; F03B

71: RANDSEA AS

72: FAGERENG, Arill

33: NO 31: 20181135 32: 2018-08-31

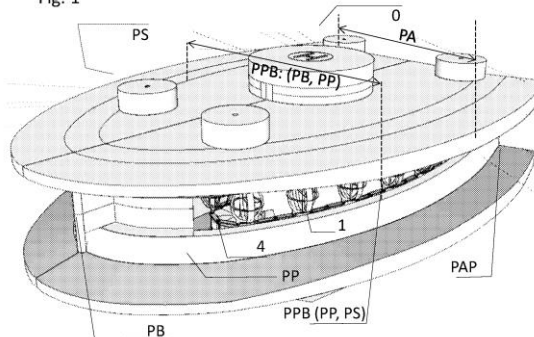
54: SEA CURRENT TURBINE

00: -

The invention is an improved ocean current turbine for converting water currents energy, comprising the following features: - a main frame (0) arranged to be immersed in a water current (F), - wherein the main frame (0) comprises - a bow part (PB) towards the water current (F), - endless rotation chains (4) with plates (1) arranged to being captured at the bow part (PB) and driven backward by the water current (F), - wherein the rotation chain (4) runs about and in driving engagement with one or more driven wheels (5) that operates a generator (G), and - port and starboard side frames (PS, PP) that are continuously convex and extends from the bow section (PB) and back to - a transverse wide stern (PA) that is

narrower than the greatest distance between port and starboard side frames (PS, PB), - wherein the rotation chains (4) comprise a starboard and a port endless rotation chain (4) with the plates (1), and - a reversing mechanism (9) arranged to turn each plate (1) to catch the water current (F) at the bow part (PB), so that each plate (1) is driven backwards along the starboard, respectively port side frame (PS, PP), to back at the rear end of the wide stern part (PA), and where the turning mechanism (8) turns each plate (1) to a passive state where the plate (1) does not substantially catches the water when plate (1) is led forward again by the rotation chain (4) in a shielded cavity (PH) between starboard and port side frames (PS, PP) and extending to the bow part (PB).

Fig. 1



21: 2021/01964. 22: 2021/03/24. 43: 2021/11/19

51: F23G; F23K

71: HARRIS MULTI JET BURNER LTD

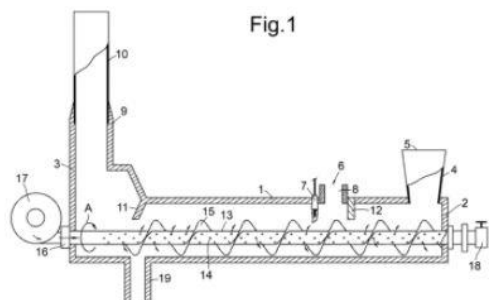
72: Michael HARRIS, Michael Jr HARRIS, Glenn HARRIS

33: GB 31: 1815907.9 32: 2018-09-28

54: COMBUSTION APPARATUS

00: -

Disclosed herein is a combustion apparatus which comprises a chamber having a apertured rotatable tubular auger mounted between end walls of the chamber to convey particulate material from the region of the chamber proximate the feed inlet to the combustion gas outlet and a blower connected to the opposite end of the tubular auger and configured to blow gas into the bore of the auger and out through the apertures into the chamber.



21: 2021/01968. 22: 2021/03/24. 43: 2021/12/02
51: B04C; C02F; E03D

71: SCG CHEMICALS CO., LTD, INC SQUARE, CO., LTD

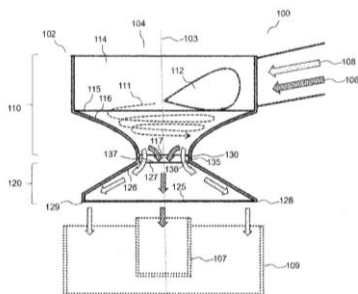
72: KUMKRONG, Attawut, PANUVATVANICH, Atitaya, KOOTTATEP, Thammarat, HIRUNMASUWAN, Sompong, SITPLANGKON, Pantaporn, WICHEANSAN, Araya, MEEPHON, Sakkarin

33: SG 31: 10201807201W 32: 2018-08-24

54: SOLID-LIQUID SEPARATOR

00: -

A solid-liquid separator including a hollow structure. The hollow structure may include a separator portion having a solid- liquid-mixture inlet and a curved-funnel-shaped inner separator surface. The hollow structure may further include a collector portion having frustoconically-shaped inner liquid guide surface. The separator portion and the collector portion may be disposed such that a spout of the curved-funnel-shaped inner separator surface and a narrower end of the frustoconically-shaped inner liquid guide surface may be directed towards each other.



21: 2021/01969. 22: 2021/03/24. 43: 2021/12/02
51: B09B; C02F; C05F

71: SCG CHEMICALS CO., LTD, INC SQUARE, CO., LTD

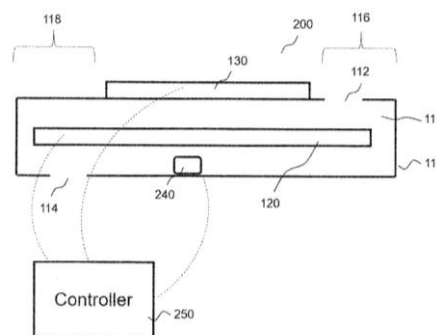
72: KUMKRONG, Attawut, PANUVATVANICH, Atitaya, KOOTTATEP, Thammarat, HIRUNMASUWAN, Sompong, SITPLANGKON, Pantaporn, WICHEANSAN, Araya, MEEPHON, Sakkarin

33: SG 31: 10201807200Q 32: 2018-08-24

54: DISINFECTION APPARATUS AND METHOD OF TREATING WASTE

00: -

A disinfection apparatus for treating waste may include a housing having an inlet and an outlet; a conveying mechanism which is disposed within the housing and which extends at least substantially along the housing from the inlet to the outlet; and a heating mechanism configured to transfer heat to the housing so as to heat an internal space of the housing to create a heated environment within the housing. A method of treating waste may include providing the waste in a heated environment within a housing of a disinfection apparatus; and conveying the waste, via a conveying mechanism of the disinfection apparatus, along a length of the housing of the disinfection apparatus. According to various embodiments, the method may further include heating, via a heating mechanism of the disinfection apparatus, the housing so as to heat an internal space of the housing to create the heated environment within the housing.



21: 2021/01987. 22: 2021/03/24. 43: 2021/12/02
51: B04C; C02F; E03D

71: SCG CHEMICALS CO., LTD, INC SQUARE, CO., LTD

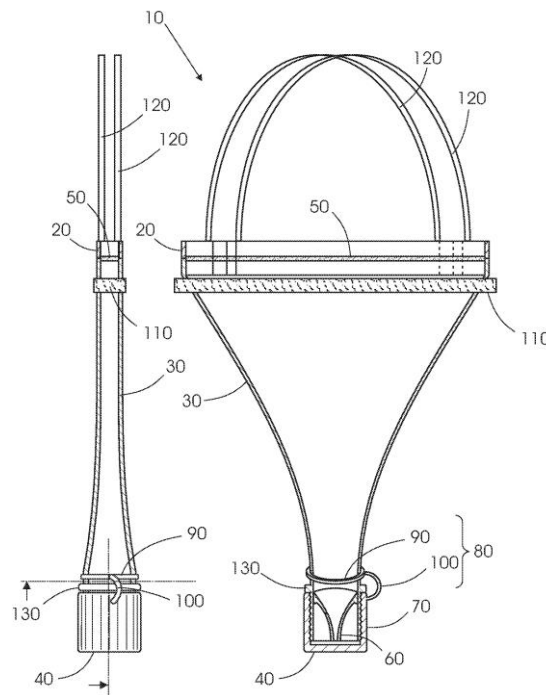
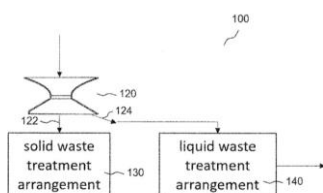
72: KUMKRONG, Attawut, PANUVATVANICH, Atitaya, KOOTTATEP, Thammarat, HIRUNMASUWAN, Sompong, SITPLANGKON, Pantaporn, WICHEANSAN, Araya, MEEPHON, Sakkarin

33: SG 31: 10201807199W 32: 2018-08-24

54: WASTE TREATMENT DEVICE

00: -

A waste treatment device may include a solid-liquid separator which is configured to receive and separate waste into solids and liquid. The waste treatment device may further include a solids treatment arrangement which is configured to receive the solids from the solid-liquid separator, wherein the solids treatment arrangement comprises a disinfection unit having a heating mechanism configured to heat, without burning, the solids so as to disinfect the solids to convert the solids into pathogen-free-treated-solids. The waste treatment device may further include a liquid treatment arrangement which is configured to receive the liquid from the solid- liquid separator and to treat the liquid so as to convert the liquid into pathogen-free-effluent. The solid-liquid separator may include a curved-funnel-shaped inner separator surface and a frusto conically-shaped inner liquid guide surface whereby the respective narrower ends are directed towards each other.

21: 2021/02252. 22: 2021/04/06. 43: 2021/12/02
51: E05G

71: SJR Staalwerke

72: HAASBROEK, Johannes Adam

54: SECURITY APPARATUS

00: -

The invention is for a security apparatus, which includes a casing with an open side through which a sensor is installable into the casing, a displaceable lid for closing the open side of the casing once the sensor is installed, a locking mechanism arranged to lock the displaceable lid in position on the casing and an aperture in the casing, through which the sensor can create an optical path extending outside the casing, in use. The displaceable lid being attached to the casing by means of a hinge mechanism, thereby allowing for the displaceable lid to move in a longitudinal direction relative to the open side of the casing. Furthermore, the casing includes mounting means for mounting the casing onto a pillar by means of mounting apertures disposed through a base of the casing through which fasteners are attached onto the pillar.

21: 2021/02018. 22: 2021/03/25. 43: 2021/11/29

51: A61B

71: HANKS TB DIAGNOSTICS (PTY) LTD

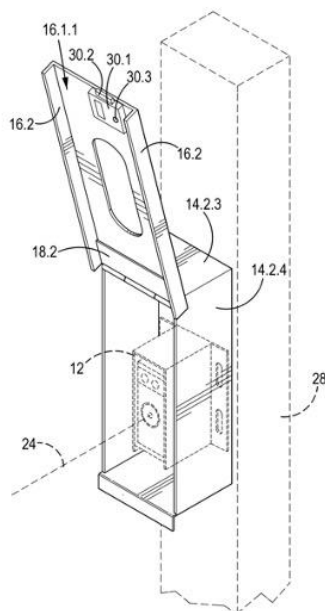
72: GROBLER, Anne Frederica, VERMEULEN, Urban

33: ZA 31: 2018/05822 32: 2018-08-30

54: ORAL FLUID COLLECTION DEVICE

00: -

This invention relates to a device for collection, storage, transport and/or transfer of expectorated fluid and/or cells, including sputum, oral fluid and/or cells or pleural fluid and/or cells samples obtained from a subject and a method of sampling expectorated fluid and/or cells, including sputum, oral fluid and/or cells or pleural fluid and/or cells from a subject.



21: 2021/02560. 22: 2021/04/19. 43: 2021/11/29
51: G09F

71: MIIP South Africa (Pty) Ltd

72: Philip GOUWS

54: A METHOD OF MANUFACTURING A DISPLAY PANEL FOR AN ESCALATOR STEP

00: -

The present invention describes a method of manufacturing a display panel for displaying content on an escalator step, in particular an escalator step riser, a method of application of said display panel to the step of the escalator, and a method of displaying content on an escalator step, in particular an escalator step riser, with the use of said display panel.

21: 2021/02576. 22: 2021/04/19. 43: 2021/12/02
51: A61F

71: SREE CHITRA TIRUNAL INSTITUTE FOR MEDICAL SCIENCES AND TECHNOLOGY
72: Sujesh SREEDHARAN, Anku SREEKUMAR, Sreehari Unnikrishnan NAIR

33: IN 31: 201841049649 32: 2018-12-28

54: A SELF EXPANDING FLOW DIVERSION DEVICE WITH ENHANCED KINK RESISTANCE AND RADIAL STRENGTH

00: -

A flow diverter device is used to redirect the blood flow inside the cerebral blood vessels and for the reduction of blood flow to the aneurysm, hence preventing the chance of aneurysm rupture as well

as promoting the healing of the aneurysm. The novel design of the device, using a set of thicker wires, provides high kink resistance and radial strength. Two patterns of inter-braiding the thicker set of wires with the finer braid are disclosed, one having a checker-board and the other a ring structure. Both patterns are highly kink resistant with the checker-board design providing minimal loss in flexibility, whereas the ring design provides greater radial strength. The device could be made of super elastic materials like Nitinol wires with the thicker set being radio opaque. The device is highly kink resistant and sufficiently flexible for use in vasculature with complex bends.

21: 2021/02645. 22: 2021/04/21. 43: 2021/12/08
51: G09B

71: CIPLA LIMITED

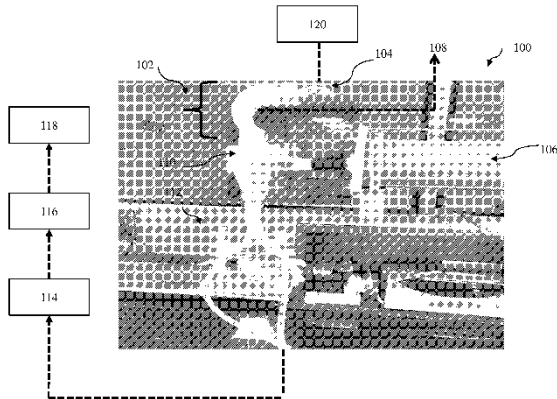
72: KULKARNI, Nandan, MALHOTRA, Geena

33: IN 31: 201921016322 32: 2019-04-24

54: METHODS AND SYSTEMS FOR SIMULATING DEPOSITION OF INHALED DRUG ON LUNGS

00: -

An apparatus (100), a system (200), and a method (500) for simulating deposition of an inhaled drug on lungs of an individual are disclosed. The apparatus (100) includes a mouth-throat model (102), an inhalation device (104), and a breath simulator (106) connected to the mouth-throat model (102) for dispersing drug and respiration flow respectively in the mouth-throat model (102). The apparatus (100) also includes a controlling unit (108) in communication with the breath simulator (106) and the inhalation device (104) to detect the dispersion of the respiration flow and actuate the inhalation device (104) to disperse the drug. The respiration flow and the drug are uniformly mixed while passing through a mixing unit (110) formed downstream to the mouth-throat model (102) and the breath simulator (106). The mixture is then received by a lung cast model (112) formed downstream to the mixing unit (110) to accommodate deposition of the drug.



21: 2021/03715. 22: 2021/05/31. 43: 2021/11/25
51: G21C

71: FRAMATOME

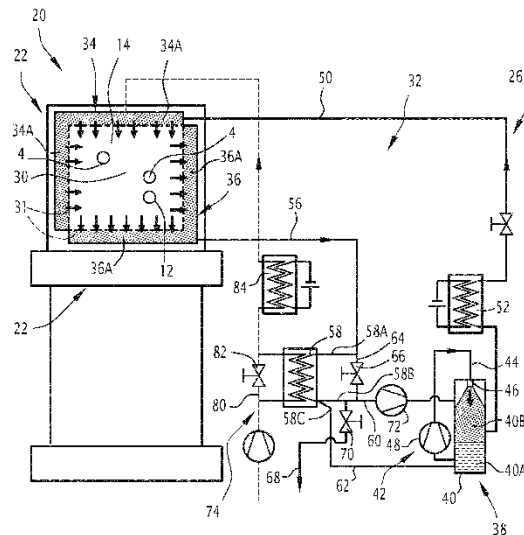
72: OSSEFORTH, Ewald

33: EP 31: 18306696.8 32: 2018-12-14

54: METHOD AND ASSEMBLING SYSTEM FOR INSERTING AT LEAST ONE NUCLEAR FUEL ROD INTO SPACER GRIDS OF A NUCLEAR FUEL ASSEMBLY

00: -

The method comprises inserting the fuel rod (4) through the spacer grids (14) aligned along an assembling axis (A) with passing the fuel rod (4) through a lubrication chamber (30) aligned with the spacer grids (14) such that the lubrication chamber (30) is passed through by the fuel rod (4) before the insertion of the fuel rod (4) through one of the spacer grids (14), and circulating a lubrication fluid containing a gas and a lubricant in gaseous phase and/or mist form in the lubrication chamber (30), the lubrication fluid being injected in the lubrication chamber (30) at a temperature strictly higher than ambient temperature, such that lubricant deposits or condensates in liquid phase with forming a lubricant film on an external surface of the fuel rod (4) that is being inserted through said one of the spacer grids (14).



21: 2021/03739. 22: 2021/05/31. 43: 2021/11/25
51: G10L; H04S

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

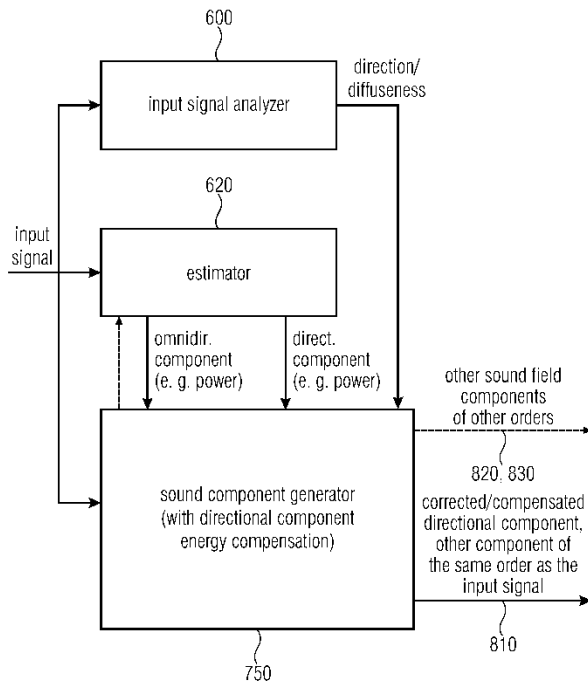
72: FUCHS, Guillaume, THIERGART, Oliver, KORSE, Srikanth, DÖHLA, Stefan, MULTRUS, Markus, KÜCH, Fabian, BOUTHÉON, Alexandre, EICHENSEER, Andrea, BAYER, Stefan
33: EP 31: 18211064.3 32: 2018-12-07

54: APPARATUS, METHOD AND COMPUTER PROGRAM FOR ENCODING, DECODING, SCENE PROCESSING AND OTHER PROCEDURES RELATED TO DIRAC BASED SPATIAL AUDIO CODING USING DIRECT COMPONENT COMPENSATION

00: -

An apparatus for generating a sound field description from an input signal comprising at least two channels comprises: an input signal analyzer (600) for obtaining direction data and diffuseness data from the input signal; an estimator (620) for estimating a first energy- or amplitude-related measure for an omnidirectional component derived from the input signal and for estimating a second energy- or amplitude-related measure for a directional component derived from the input signal, and a sound component generator (750) for generating sound field components of the sound field, wherein the sound component generator is configured to perform an energy compensation of the directional component using the first energy- or amplitude-related measure, the second energy- or

amplitude-related measure, the direction data and the diffuseness data.



21: 2021/04385. 22: 2021/06/25. 43: 2021/11/04
51: A63B

71: Anhui University of Science and Technology
72: SU, Guoyong, GUO, Yongcun, WANG, Pengyu,
HU, Kun, DENG, Haishun, CHENG, Gang

54: SAFETY INTERLOCKING SYSTEM FOR WALKING ANCHORING EQUIPMENT AND CONTROL METHOD THEREFOR

00: -

The present invention discloses a safety interlocking system for walking anchoring equipment and a control method therefor. The safety interlocking system includes: an advanced supporting and protection subsystem, an anchoring subsystem, a main walking supporting subsystem, a rotation subsystem, and a lidar monitoring subsystem. The advanced supporting and protection subsystem is mounted to a sliding groove of the main walking supporting subsystem. The anchoring subsystem is mounted to a front end of the main walking supporting subsystem by using a bolt. The rotation subsystem is mounted between a front leg and a rear leg of the main walking supporting subsystem. The lidar monitoring subsystem is mounted to subsystems in a distributed manner. Further, the

safety interlocking system of the present invention can avoid collisions between the equipment and other equipment or a person, and can avoid equipment malfunctions or misoperations, thereby improving stability and safety of the equipment.

21: 2021/05403. 22: 2021/07/29. 43: 2021/11/05

51: H04N

71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.
72: ZHANG, KAI, ZHANG, LI, LIU, HONGBIN, XU, JIZHENG, WANG, YUE

33: CN 31: PCT/CN2019/075993 32: 2019-02-24

33: CN 31: PCT/CN2019/076195 32: 2019-02-26

33: CN 31: PCT/CN2019/079431 32: 2019-03-25

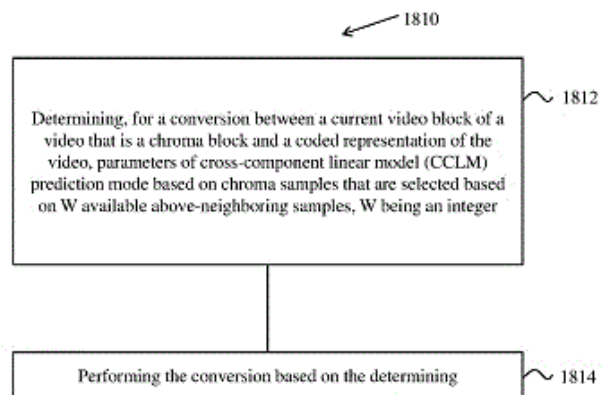
33: CN 31: PCT/CN2019/079396 32: 2019-03-24

33: CN 31: PCT/CN2019/079769 32: 2019-03-26

54: PARAMETER DERIVATION FOR INTRA PREDICTION

00: -

A method for video processing is provided. The method includes determining, for a conversion between a current video block of a video that is a chroma block and a coded representation of the video, parameters of a cross-component linear model (CCLM) based on two or four chroma samples and/or corresponding luma samples; and performing the conversion based on the determining.



21: 2021/05514. 22: 2021/08/03. 43: 2022/01/13

51: G01C

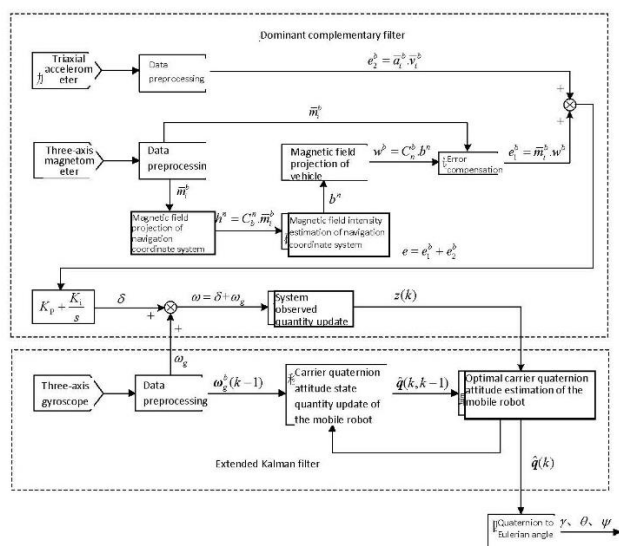
71: TAIZHOU ZHITONG TECHNOLOGY CO. LTD
72: KAI ZHENG, LIDA ZHENG, LINA WEI, YINGMI CHEN

33: CN 31: 201910542491.5 32: 2019-06-21

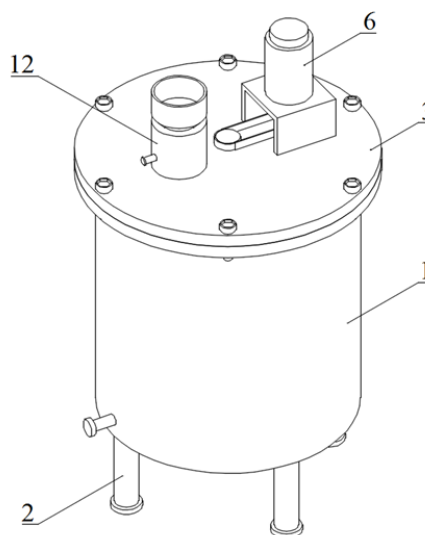
54: ATTITUDE ANGLE SOLUTION METHOD FOR MOBILE ROBOT

00: -

The present invention discloses an attitude angle solution method for a mobile robot. The method includes: step 1, acquiring original sensor data; step 2, preprocessing the original sensor data; step 3, establishing a process model of a fusion algorithm based on a quaternion fusion extended Kalman filter and a dominant complementary filter; step 4, establishing an observation model of the fusion algorithm based on the quaternion fusion extended Kalman filter and the dominant complementary filter; and step 5, solving an attitude angle of the mobile robot. The present invention provides an attitude angle solution method for the mobile robot based on the quaternion fusion extended Kalman filter and the dominant complementary filter, so that a problem that an existing mobile robot is low in attitude angle solution accuracy is solved.



outer housing, an inner housing is disposed inside the outer housing, and a bottom of the inner housing is sealingly rotatably connected to the bottom of the outer housing. An oil bath cavity is formed between the inner housing and the outer housing, and an upper end of an inner wall of the inner housing is meshed with an output shaft of a motor. A riser is disposed inside the inner housing, and a bottom end of the riser is fixed to the bottom of the outer housing by using a support rod. A driving shaft extends through the riser, an upper end of the driving shaft is rotatably connected to the sealed cover, and the driving shaft is connected to the output shaft of the motor by using a belt. Helical blades are fixedly mounted to a surface of the driving shaft, a lining layer is disposed between an outer wall of the riser and the inner wall of the inner housing, and a feed pipe is fixedly mounted to the sealed cover. By means of the present invention, raw materials on upper and lower layers are transported by using the riser, ground by the lining layer, and then dropped down, so that the raw materials in the inner housing are continuously crushed and mixed, thereby crushing SBR particles and mixing the SBR particles with asphalt more desirably.



21: 2021/05545. 22: 2021/08/06. 43: 2021/12/02
51: E01C

71: Anhui University of Science and Technology
72: LEI, Xiaolei, DUAN, Jichao, LIU, Qinghua,
CHEN, Nan

54: SBR-MODIFIED ROAD ASPHALT PRODUCTION APPARATUS

00: -

The present invention belongs to the field of asphalt production, and discloses a styrene-butadiene rubber (SBR)-modified road asphalt production apparatus. The apparatus includes an outer housing. A sealed cover is fixedly mounted to a top of the

21: 2021/05997. 22: 2021/08/20. 43: 2021/11/25
51: A01G

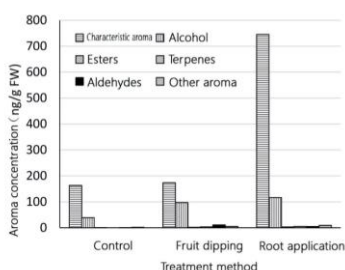
71: Shandong Agricultural University

72: YAO, Yuxin

54: USE OF MELATONIN IN ENHANCING AROMA OF SHINE-MUSCAT GRAPES

00: -

The invention discloses a use of melatonin in enhancing aroma of Shine-Muscat grapes, and relates to the technical field of plant growth regulation. In the present invention, melatonin can significantly improve the aroma of Sunshine-Muscat grapes. After melatonin be applied, compared with the non-treated control, the melatonin treatment increases the total content of aroma substances of the treated grapes by more than 4 times, the types of aroma substances of the treated grapes are 1.65 times that of the non-treated grapes, and the total content of aroma substances is 4.32 times that of the non-treated ones, the aroma substance with rose flavor is increased by more than 4 times, and the characteristic aroma substance with the highest content is 2-Hexenal, (E)-, which is 4.54 times of the non-treated grapes. In the present invention, melatonin treatment can increase the content of alcohol aroma substances, aldehyde aroma substances, terpene aroma substances and other aroma substances.



21: 2021/06135. 22: 2021/08/25. 43: 2021/11/11

51: F04B, F04D, F15D, B08B

71: CES PUMPS & PARTS (PTY) LTD

72: COETZEE, TINUS, COETZEE, TJAART HENDRIK

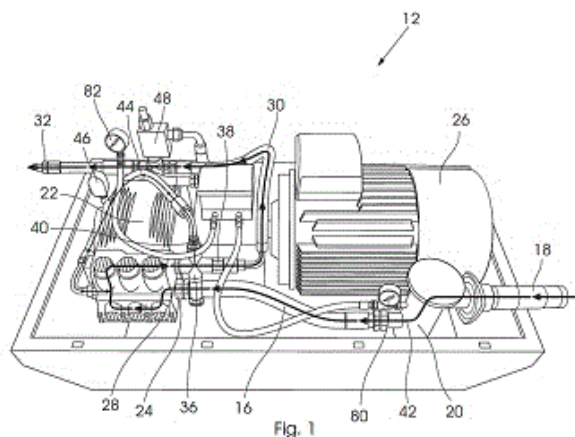
33: ZA 31: 2020/06392 32: 2020-10-15

54: HIGH PRESSURE STOPE CLEANING WATERJET SYSTEM

00: -

A water gun (14) comprising an inlet (50) and a directional flow control valve. The gun includes a first barrel (54) associated with a first outlet (56) and a second barrel (58) associated with a second outlet (60). The directional flow control valve is configurable in a first configuration in which a flow of water through the first and second barrels (54, 58) is inhibited, a second configuration in which a flow of

water is allowed through the first and second barrels (54, 58) simultaneously, and a third configuration in which a flow of water is allowed through the first barrel (54), while a flow of water through the second barrel (54) is inhibited. The water gun 14 is used as part of a stope cleaning water jet system (10).



21: 2021/06138. 22: 2021/08/25. 43: 2022/01/14

51: A61B

71: HANGZHOU SINO-AFRICA BIOTECHNOLOGY CO., LTD.

72: XIAOHUA HU, TIANYAO HU, JUN YAN, YIYU XU

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR ENHANCING IMMUNITY

00: -

The present application discloses a traditional Chinese medicine composition for enhancing immunity. The traditional Chinese medicine composition includes 10-50 parts of Houttuynia cordata, 10-100 parts of Hedyotis diffusa, 1-10 parts of scorpio, 5-25 parts of Radix trichosanthis, 5-20 parts of Vespae nidus, 10-60 parts of dandelion, 30-100 parts of Astragalus root, 10-50 parts of Prunella vulgaris, 10-70 parts of Hairyvein agrimony, 20-90 parts of Glabrous greenbrier rhizome, 0.1-1 part of centipede, 10-70 parts of Stringy stonecrop herb, 10-50 parts of Corium bufonis, 5-25 parts of Bombyx batryticatus, 7-30 parts of Radix glycyrrhizae, 10-50 parts of Paris polyphylla, 10-30 parts of Solanum nigrum, 10-70 parts of spina gleditsiae, 10-40 parts of Tangerine peel and 5-45 parts of Fructus ziziphi jujubae. The present invention has beneficial effects as follows: the traditional Chinese medicine composition can enhance autoimmunity of patients,

so that AIDS patients will not easily die of infections of other diseases.

21: 2021/06219. 22: 2021/08/27. 43: 2022/01/14

51: A01G

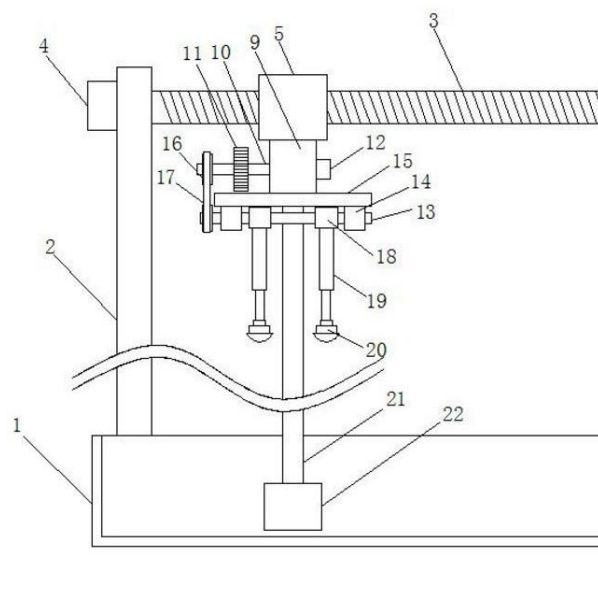
71: QINGDAO AGRICULTURAL UNIVERSITY

72: MA, Dexin, ZHANG, Qun, YUN, Yuliang, ZHANG, Jian, HAO, Fengqi, LI, Li, MENG, Fanjia, ZHANG, Miao, LIU, Gang, MA, Jian, DING, Zhaotang, WANG, Jiguo, BAI, Xuefeng, BI, Caihong

54: IRRIGATION DEVICE FOR AGRICULTURAL PLANTING IN GREENHOUSE

00: -

Disclosed is an irrigation device for agricultural planting in a greenhouse comprising a bar-shaped catch basin. Supporting rod frames are disposed on side walls of the catch basin; supporting horizontal screw rods are installed between top ends of the supporting rod frames; one end of the supporting horizontal rods is connected with a driving motor disposed on the supporting rod frame; one end of the supporting horizontal rods is connected by a chain wheel mechanism; two adjustment rotating shafts are fixed on an upper end surface of a supporting horizontal plate by bearing bases; the adjustment rotating shafts are provided with rotating gears which are meshed; sway connecting rods are disposed on a rotating horizontal shaft; irrigation spray nozzles are disposed on lower ends of the connecting rods; a water pump is installed on the lower end of a supporting suspender having an outlet connected to the nozzles by hoses.



21: 2021/06285. 22: 2021/08/30. 43: 2021/10/27

51: G01B

71: YIMEIDE TECHNOLOGY CO., LTD

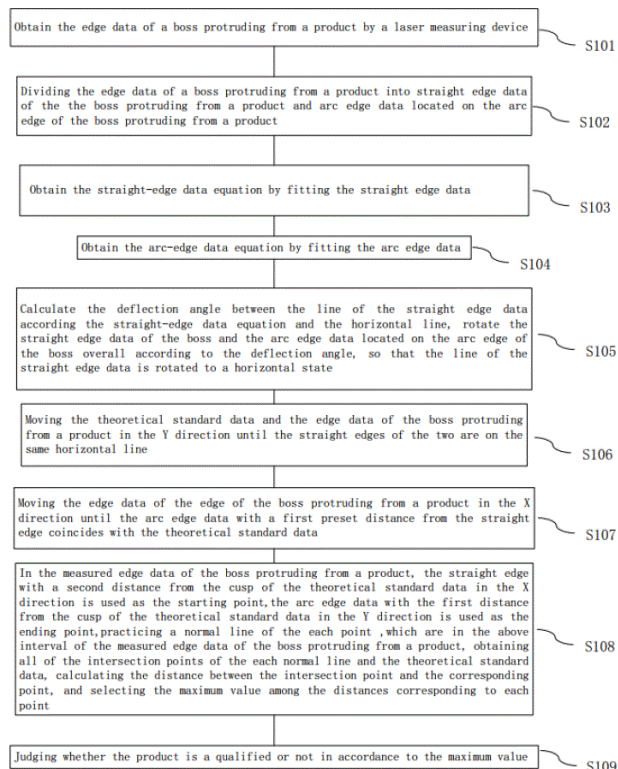
72: WANG, Yongxing, NI, Zhiting

33: CN 31: 202010017038.5 32: 2020-01-08

54: RIDGE LINE DAMAGE EXTENT MEASUREMENT METHOD AND APPARATUS THEREFOR

00: -

The invention discloses an edge break degree detection method and the device thereof, and relates to the field of edge detection. The method comprising the steps of: obtain the edge data of a boss protruding from a product by a laser measuring device; dividing the edge data into straight edge data of the boss and arc edge data located on the arc edge of the boss; obtain an arc-edge data equation by fitting the arc edge data; moving the theoretical standard data and the edge data of the boss in the Y direction until the straight edges of the two are on the same horizontal line; moving the edge data of the boss protruding from a product in the X direction until the arc edge data with a first distance from the straight edge coincides with the theoretical standard data; and the like; and judging whether the product is a qualified or not in accordance to a maximum value. The gap between the detected product and the product standard can be calculated quickly and accurately, and qualified products are selected by quantitative data.



21: 2021/06706. 22: 2021/09/10. 43: 2022/01/13

51: C05G

71: INSTITUTE OF WATER RESOURCES OF PASTORAL AREA, MWR

72: TIAN, DELONG, TANG, PENGCHENG, LI, ZEKUN, REN, JIE, XU, BING, ZHENG, HEXIANG, TONG, CHANGFU, WANG, JUN, LU, HAIYUAN, CAO, XUESONG, WU, JIABIN, ZHANG, CHEN, WANG, GUOSHUAI

54: METHOD FOR IMPROVING UTILIZATION EFFICIENCY OF WATER AND FERTILIZERS OF CROPS

00: -

The present invention discloses a method for improving utilization efficiency of water and fertilizers of crops and belongs to the technical field of agriculture. A water-retaining agent of 45 kg/hm² and a soil structure conditioner of 30 kg/hm² are compounded to be applicable to artificial forage grass, wherein a small-particle water-retaining agent with a particle size of 0.18 mm is selected if soil is clayed soil. A middle-particle water-retaining agent with a particle size larger than 0.18 mm and smaller than 2 mm is selected if the soil is loam. A large-particle water-retaining agent with a particle size larger than 2 mm and smaller than 3.75 mm is selected if the soil is sandy. A a macromolecular soil

structure conditioner with a molecular weight of 12 million is selected if a clay content in the soil is smaller than 12%.

21: 2021/07012. 22: 2021/09/20. 43: 2022/01/13

51: B29C

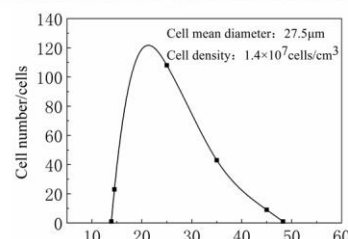
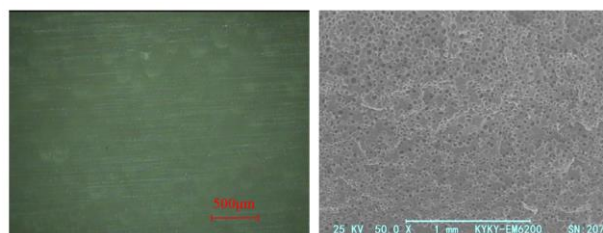
71: GUIZHOU MATERIAL INDUSTRIAL TECHNOLOGY INSTITUTE

72: ZHANG, XIANG, JIANG, TUANHUI, ZENG, XIANGBU, LI, SHENGNAN, SHEN, CHAO, ZHU, NENGGUI

54: METHOD FOR CONTROLLING MICROCELLULAR INJECTION FOAMING

00: -

The present invention relates to a method for controlling microcellular injection foaming and belongs to the field of plastic foaming. The present invention discloses a method for controlling microcellular injection foaming, comprising the following steps: injecting plasticized polymer-gas mixed melts into a mold cavity; filling the mold cavity with the polymer-gas mixed melts in the step of injecting the plasticized polymer-gas mixed melts into the mold cavity; stopping injection after filling and maintaining the pressure; instantly reducing the pressure in the mold cavity when the temperature of the melts in the mold cavity is reduced to a set value after maintaining the pressure; starting foaming the melts and finally, cooling and molding to obtain a foamed product.



21: 2021/07979. 22: 2021/10/19. 43: 2021/12/01

51: E03B

71: Linyi University

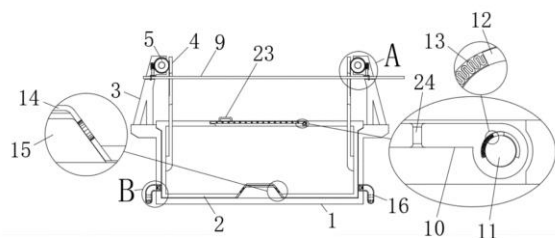
72: Wang Hailong, Jia Chuanyang, Song Xiaoyuan, Zhang Guibin, Sun Xizhen, Yu Xianbin

33: CN 31: 2020114189156 32: 2020-12-07

54: SPONGE URBAN RAINWATER STORAGE STRUCTURE

00: -

The invention relates to the technical field of a rainwater storage structure, in particular, sponge urban rainwater storage structure. This structure includes an outer tank in the shape of tank housing, which has a mouth at the top and an inner tank in the shape of tank housing inside; the upper end of the inner tank extends to the outer tank, two symmetrically distributed support frames are arranged around the inner tank and are fixed on the outer tank, one side of the support frame is provided with a vertical plate, one end of the vertical plate extends into the inner cavity wall of the inner tank, and the end of the vertical plate is fixed on the inner cavity wall of the inner tank. The invention realizes the effective storage of ground water. When the urban ground is dry, the collected water seeps into the ground to moisture plants in the city and produce good energy-saving and environmental protection.

21: 2021/07980. 22: 2021/10/19. 43: 2021/12/01
51: E03F

71: Linyi University

72: Wang Hailong, Jia Chuanyang, Song Xiaoyuan, Zhang Guibin, Sun Xizhen, Yu Xianbin

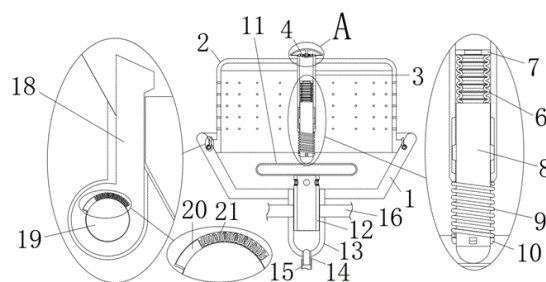
33: CN 31: 202011416999X 32: 2020-12-07

54: WATERLOGGING PREVENTION GREEN BELT STRUCTURE BASED ON SPONGE CITY

00: -

The invention is involved with the technical field of waterlogging prevention green belt. Specifically, it is a waterlogging prevention green belt structure including bottom box based on sponge city. The top opening of bottom box is in the shape of dome shell, and the top of bottom box is covered with a barrel top cover. The upper ring of shell sidewall of top cover is set with several uniformly distributed holes. The internal part of the top cover is run through with outer cylinder. The top of outer cylinder is connected

with valve, and the top end of valve is connected with rain cap. The outer cylinder is equipped with corrugated pipe, positioning cylinder and air column. The top end of corrugated pipe is connected with positioning cylinder. The structure design of the invention achieves the double drainage mode. The drainage process would be slow when there is a small amount of ponding in green belt so that the plantation in the green belt would have a sufficient time to absorb the water. Several drainage boxes would assist the drainage when there is excessive ponding so as to prevent the ponding in the green belt from leaking.

21: 2021/07985. 22: 2021/10/19. 43: 2021/12/01
51: G06Q

71: DR. NAMITA MISHRA, DR. RAMA SHARMA, DR. VANDANA T. KHANNA, DR. PANKAJ SHARMA, MR. RAVI PARKASH, DR. RITU KOTHIWAL, DR. PRIYANK SHARMA, DR. ANKUR GOEL, MR. VINOD KUMAR BAGAR, PROF. GITA SASHIDHARAN, DR. NEERJA KASHIVE, DR. MITAL SHARDUL BHAYANI, PROF. RAMESH CHANDRA PANDA

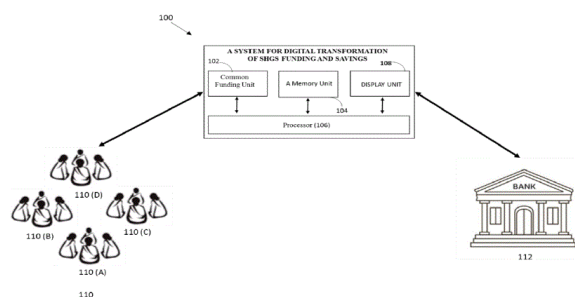
72: DR. NAMITA MISHRA, DR. RAMA SHARMA, DR. VANDANA T. KHANNA, DR. PANKAJ SHARMA, MR. RAVI PARKASH, DR. RITU KOTHIWAL, DR. PRIYANK SHARMA, DR. ANKUR GOEL, MR. VINOD KUMAR BAGAR, PROF. GITA SASHIDHARAN, DR. NEERJA KASHIVE, DR. MITAL SHARDUL BHAYANI, PROF. RAMESH CHANDRA PANDA

54: A SYSTEM FOR DIGITAL TRANSFORMATION OF SHG FUNDING AND SAVINGS

00: -

The present invention relates to a system (100) for the digital transformation of SHGs (110) funding and savings. The system (100) comprises one or more common funding units (102) and one or more computing units. The one or more computing units are operatively connected with the one or more funding units. The one or more computing unit

comprises a memory unit (104), a processor (106), and a display unit (108). The system (100) includes a passbook for each member of the SHG (110), and a passbook of the SHG (110) will be created; digitalized minutes book records the minutes of the meeting and the bookkeeper maintains digitalized cash book. The system (100) includes the digitalization of SHG (110) deposits and loan disbursement. The digitalization of SHG (110) creates transparency in the SHGS (110) funding and savings. The system (100) also includes digitalized audits. The digitalized audit creates a positive environment for the long existence of the SHG (110).



21: 2021/08019. 22: 2021/10/20. 43: 2021/12/03
51: H01M

71: Henan Huarui High-tech New material Co., Ltd.

72: Yongkui Peng, Xiaoping Meng, Wenju Cui

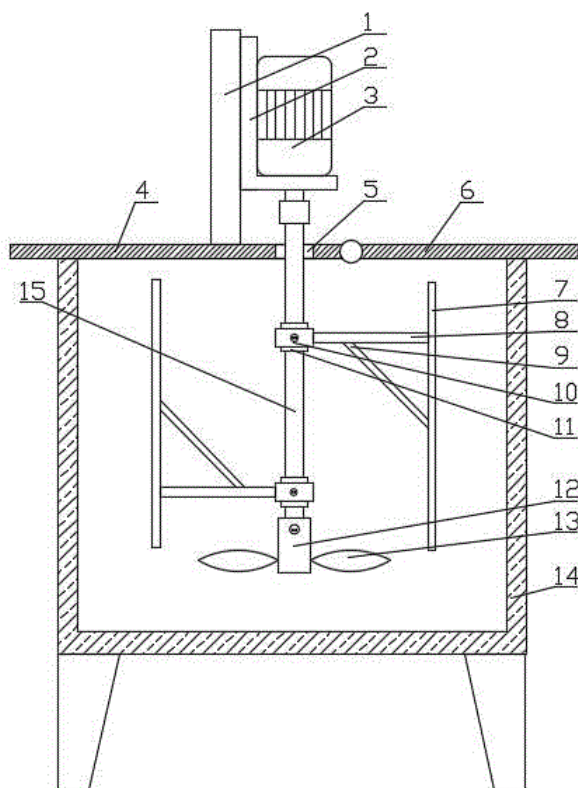
33: CN 31: 202122209243.4 32: 2021-09-13

54: ELECTROLYTE PREPARATION DEVICE FOR POWER LITHIUM BATTERIES

00: -

The disclosure discloses an electrolyte preparation device for power lithium batteries, including a stirring tank body and a cover plate arranged at an upper end of the stirring tank body, in which a stirring shaft is provided at a center of the cover plate, is drivingly connected with a driving mechanism at an upper end of the stirring shaft, and provided with a plurality of junction boards at a lower part of the stirring shaft; an upper stirring mechanism or a cleaning mechanism is movably provided at the junction board; a horizontal rod is included in the cleaning mechanism, of which one end is provided with a first U-shaped clamp block fixed with a junction board via a bolt; and a vertical rod is provided at another end of the horizontal rod, outside which bristles are provided to contact with the inner side of the stirring tank body. The stirring structure can be disassembled and replaced with the cleaning

mechanism, so the inside of the stirring tank can be fully cleaned via the cleaning mechanism while taking out and cleaning the stirring structure.



21: 2021/08020. 22: 2021/10/20. 43: 2021/12/03
51: H01M

71: Henan Huarui High-tech New material Co., Ltd.

72: Yongkui Peng, Xiaoping Meng, Wenju Cui

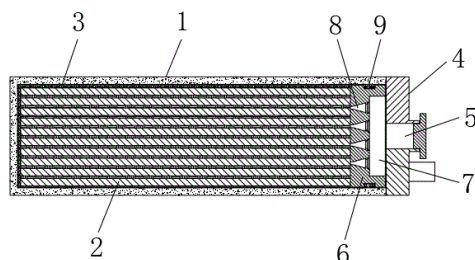
33: CN 31: 202122209897.7 32: 2021-09-13

54: ELECTROLYTE FILLING STRUCTURE FOR LITHIUM BATTERIES

00: -

The disclosure discloses an electrolyte filling structure for lithium batteries including a shell, a battery core arranged inside the shell, and an inner cavity between the shell and the battery core to load an electrolyte, wherein a battery core cover is provided at an opening of one end of the shell; a liquid injection port is provided on the battery core cover to fill the inner cavity with electrolyte; an electrolyte filling plate is provided inside the shell, and arranged between the battery core and the battery core cover; a liquid storage tank is opened on one side of the electrolyte filling plate close to the battery core cover to load battery fluid, and stores the electrolyte through the liquid injection port; and a

liquid inlet channel is provided at an inner bottom wall of the liquid storage tank to communicate with the inner cavity, and has a liquid inlet and a liquid outlet of which a cross-sectional area is smaller than that of the liquid inlet, so the electrolyte inside the liquid storage tank slowly flows into the inner cavity, and when the electrolyte filling process is completed, during the transportation, the electrolyte inside the inner cavity is difficult to flow out after the lithium battery being dumped.

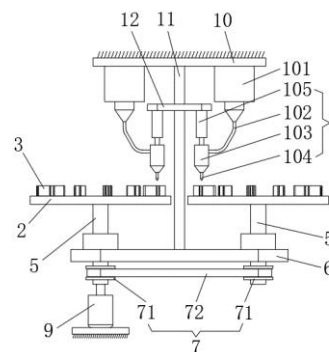


21: 2021/08021. 22: 2021/10/20. 43: 2021/12/03
51: H01M
71: Henan Huarui High-tech New material Co., Ltd.
72: Yongkui Peng, Xiaoping Meng, Wenju Cui
33: CN 31: 202122207985.3 32: 2021-09-13
54: ELECTROLYTE FILLING DEVICE FOR LITHIUM BATTERIES

00: -

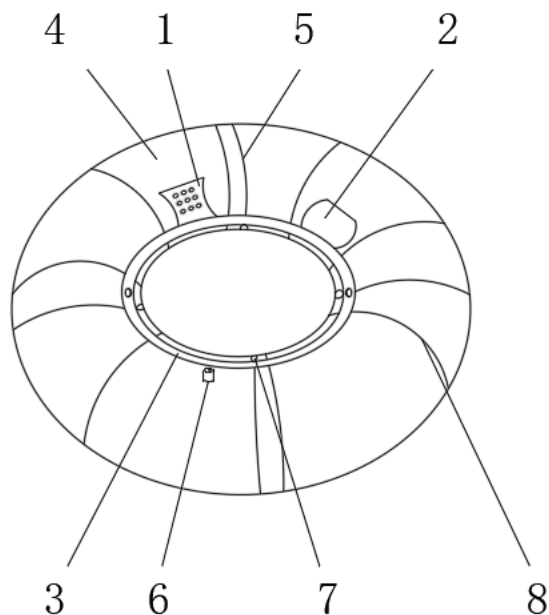
The disclosure provides an electrolyte filling device for lithium batteries including filling mechanisms, wherein the filling mechanisms are separated into two groups; two rotating disks with same diameters are each provided below the two groups of the filling mechanisms; a plurality of U-shaped plates are provided on an upper surface of each of the two rotating disks to clamp the lithium batteries, distributed at equal intervals along a circumferential direction of the two rotating disks, each of which has an outlet facing an outer circumferential side wall of each of the two rotating disks; a support plate are rotatably installed on bottoms of the two rotating disks through two connecting shafts which penetrate the support plate; and a driving device is connected with the two connecting shafts. When the driving device is started to drive the two rotating disks to rotate synchronously, each of the U-shaped plates on the two rotating disks corresponds to the positions of the two filling mechanisms, and the filling

procedure is completed, improving the filling efficiency.



21: 2021/08089. 22: 2021/10/21. 43: 2021/12/03
51: B63C
71: Jiangsu Maritime Institute
72: ZHAO, Chunsheng, YUAN, Junfu
33: CN 31: 201920352593.6 32: 2019-03-20
54: INTELLIGENT LIFESAVER WITH SPEECH RECOGNITION POSITIONING FUNCTION
00: -

An intelligent lifesaver with a speech recognition positioning function, comprising: a lifesaver main body (4), the outer surface of a middle portion at an upper end of the lifesaver main body having an alignment induction ring (3) securely mounted thereon; the outer surface of one side of the alignment induction ring having securely mounted thereon a multifunctional integrated mechanism (2) and an emergency call-for-help mechanism (1), the multifunctional integrated mechanism being disposed at one side of the emergency call-for-help mechanism. The intelligent lifesaver with a speech recognition positioning function, by means of the provided emergency call-for-help mechanism, multifunctional integrated mechanism and alignment induction ring, has the function of recognizing a call-for-help after a person has fallen into water, recognizing a call for help from a person who has fallen into water and automatically navigating to the location where the person has fallen into the water, and saving the life of the person who has fallen into the water, thus avoiding injury to a rescuer from a person who has fallen into water, and shortening a rescue time.



21: 2021/08120. 22: 2021/10/21. 43: 2022/01/13

51: A01N

71: INSTITUTE OF TOBACCO RESEARCH,
CHINESE ACADEMY OF AGRICULTURAL
SCIENCES

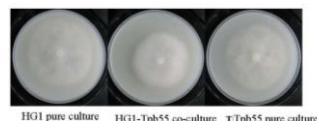
72: CHENGSHENG ZHANG, DONGLIN ZHAO,
YIQIANG LI, YUAN YUAN, PING ZOU, PENG
ZHANG, XIAOQIANG WANG, KUO XU

**54: PREPARATION METHOD OF COMPOUND
BACTERIA FERMENTED PRODUCT FOR
CONTROLLING PLANT PHYTOPHTHORA
DISEASES, COMPOUND BACTERIA
FERMENTED PRODUCT AND APPLICATION
THEREOF**

00: -

The present invention belongs to the technical field of biological control, and particularly relates to a preparation method of a compound bacteria fermented product for controlling plant Phytophthora diseases, a compound bacteria fermented product and an application thereof. The preparation method includes: (1) performing spore culture on marine Trichoderma; and inoculating obtained spores into a shake culture medium for performing shake culture to obtain marine Trichoderma shake culture; and (2) performing seed culture on Bacillus subtilis; inoculating obtained seed culture into a shake culture medium for performing shake culture to obtain Bacillus subtilis shake culture; mixing the Bacillus subtilis shake culture and the marine Trichoderma shake culture obtained in the step (1), and then performing co-fermentation on the mixture

to obtain a co-fermentation product; and centrifuging and filtering the co-fermentation product, thereby obtaining the compound bacteria fermented product.



21: 2021/08181. 22: 2021/10/25. 43: 2021/12/03

51: F24F

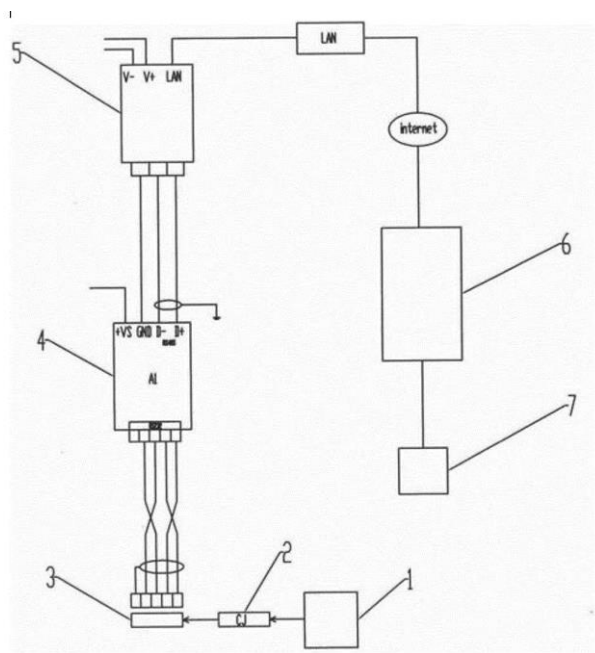
71: Qingdao Agricultural University

72: BU, Xianxian

**54: COMPUTER-BASED REMOTE MONITOR AND
WARNING SYSTEM FOR CENTRAL AIR
CONDITIONERS**

00: -

The present invention relates to a computer-based remote monitor and warning system for central air conditioners, wherein comprises a central air conditioner set, an information collection unit, and a control unit, wherein the information collection unit collects signals of the central air conditioner set and sends to the control unit, wherein the control unit is connected with a network connection unit, wherein the signals are transmitted by the network connection unit to a remote computer upon treatment of the control unit, wherein the computer analyzes the signals treated by the control unit, and judges whether there is anything wrong with the central air conditioner set, and if so, sends fault information to one or more terminal devices connected with the computer. The present invention involves advanced designs, can prevent faults timely and is of good safety performance.

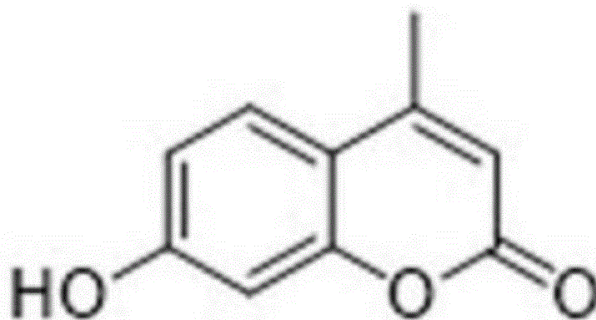


21: 2021/08182. 22: 2021/10/25. 43: 2022/01/12
 51: G01N
 71: LINYI UNIVERSITY
 72: HU, Xueping, KONG Lingkai, SONG, Xingliang, BAI, Zhenyu
 33: CN 31: 202110564308.9 32: 2021-05-24
54: IRON ION PHOTOELECTRIC SENSOR WITH AN ITO SUBSTRATE AND PREPARATION METHOD THEREOF

00: -

The present invention discloses an iron ion photoelectric sensor and preparation method thereof, and belongs to the technical field of metal ion detection. The iron ion photoelectric sensor according to the present invention comprises a modified fluorescent material and an ITO substrate. By modifying the ITO, the fluorescein isothiocyanate modified by 4-methylumbelliferone and chitosan is cured on a surface of the ITO, and an iron ion sensor integrating fluorescent properties and electrochemical properties is constructed. Combining advantages of the fluorescence analysis of being visualized and of electrochemical methods of being sensitive and fast, visualized concentration of iron ions in the water body by means of fluorescence characteristics of the electrode can be judged. It turned out that, the present sensor can fluorescently identify Fe^{3+} , and concentrations of iron in a range of 10^{-1} to 10^{-7} can be visualized and judged. In the meantime, in the present invention, the Fe ion photoelectric sensor exhibits good

electrochemical detection performance for Fe^{3+} and a detection limit of Fe^{3+} is as low as 5nm.

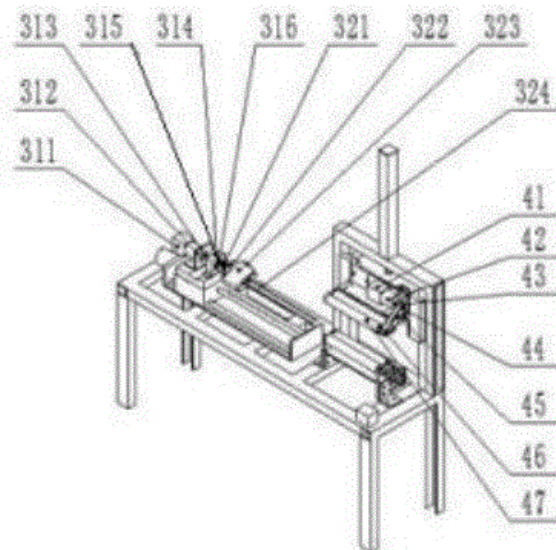
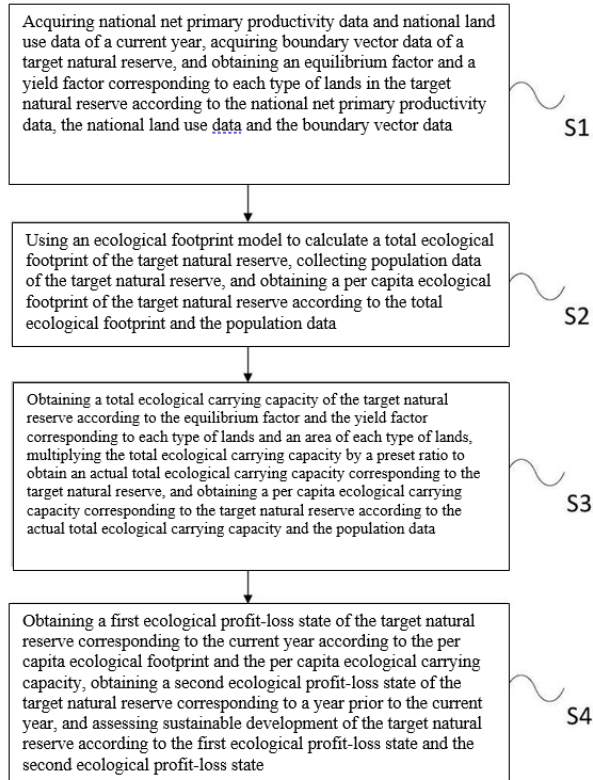


21: 2021/08200. 22: 2021/10/25. 43: 2022/01/13
 51: G06Q
 71: MINISTRY OF ECOLOGY AND ENVIRONMENT
 CENTER FOR SATELLITE APPLICATION ON
 ECOLOGY ENVIRONMENT
 72: LIU, XIAOMAN, HOU, PENG, WANG, YONG,
 ZHANG, WENGUO, FU, ZHUO, XIAO, RULIN, JIN,
 CHUANPING, LV, NA, WANG, CHAO, YUAN,
 JINGFANG

54: METHOD FOR ASSESSMENT OF SUSTAINABLE DEVELOPMENT OF NATURAL RESERVE

00: -

The present invention relates to the technical field of environmental protection, and in particular to a method for assessment of sustainable development of a natural reserve. Based on net primary productivity data corresponding to each type of lands in a target natural reserve, an equilibrium factor and a yield factor corresponding to each type of lands are determined respectively, so that differences between the different types of lands are fully embodied, and a problem of parameter flexibility insufficiency in an existing ecological footprint method is overcome. Meanwhile, based on an improved equilibrium factor and an improved yield factor, a per capita ecological footprint and a per capita ecological carrying capacity corresponding to the target natural reserve are calculated. Finally, sustainable development of the target natural reserve is assessed according to the per capita ecological footprint and the per capita ecological carrying capacity.



21: 2021/08231. 22: 2021/10/26. 43: 2022/01/12
51: C02F

71: Sichuan Huatu Technology Co., Ltd.
72: SUN, Xinpo, TUO, Xianguo, GUO, Yi, BI, Yuzhang, LIU, Yu, DING, Zehao, FENG, Zhen, XU, Ao, LUO, Yaqiong, HE, Shenglan, GONG, Zihan, SHAN, Yu, GAO, Xi'an, HUANG, Hua

33: CN 31: 202110911095.2 32: 2021-08-10
54: MULTI-STAGE VIBRATORY SCREENING DEVICE SUITABLE FOR HEAVY METAL POLLUTION CONTROL

00: -

The present invention discloses a multi-stage vibratory screening device suitable for heavy metal pollution control, and relates to the technical field of soil pollution control. The present invention comprises a vibration table, an upper surface of the vibration table is fixedly provided with a rectangular tubular material pipe, an inner side wall of the material pipe is provided with at least two screening structures A successively arranged from top to bottom; the other inner side wall of the material pipe is provided with at least two screening structures B successively arranged from top to bottom; the screening structure B and the screening structure A are arranged alternately, and the screening structure B and the screening structure A are the same; the screening structure B comprises a screen mesh arranged in an inclined manner, and a bottom plate arranged directly below the screen mesh and in an inclined manner.

21: 2021/08230. 22: 2021/10/26. 43: 2022/01/12
51: A23L; A23P

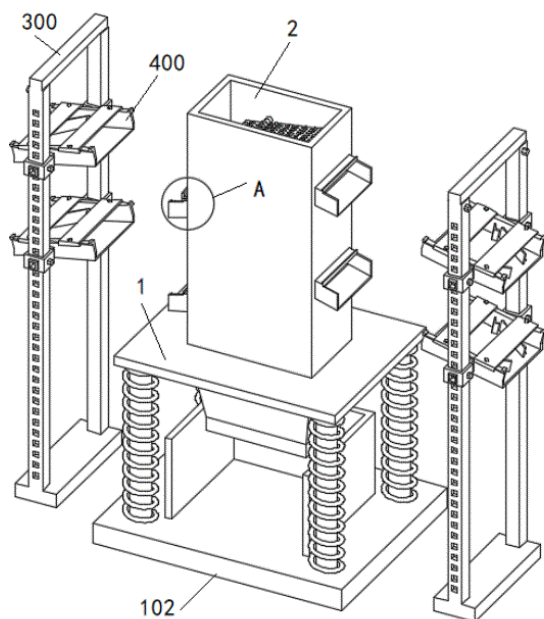
71: Taiyuan University of Technology
72: GAO, Guijun, JING, Yi, WANG, Yan, GONG, Baoliang

33: CN 31: 202110389799.8 32: 2021-04-12

54: AUTOMATIC BEAN CURD SKIN ROLL-PRESSING DEVICE AND ROLLING METHOD THEREOF

00: -

The invention discloses an automatic bean curd skin rolling and pressing device, which belongs to the field of machinery and comprises a mounting frame, an electric sliding table, a rolling module, an upper-pressing roller device, a lower-pressing roller device, an electric piston and a sliding block connecting frame; the rolling module is arranged above the electric sliding table, the electric piston is arranged above the sliding block connecting frame, the upper-pressing roller device is connected with the sliding block connecting frame, and the sliding block can move along the direction of the sliding rail under the driving of the electric piston.



21: 2021/08232. 22: 2021/10/26. 43: 2022/01/12

51: G09F

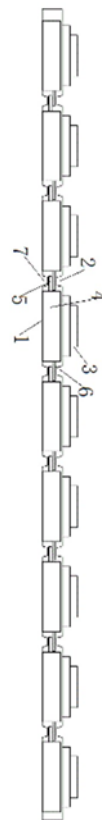
71: Zhengzhou University of Aeronautics

72: Wang, Yumei, Liu, Yang, Zhong, Facheng, Li, Yan, Duan, Xiangyang, Fu, Lin Jie, Wang, Yanyan, Yu, Zhanjun, Xu, Kun, Chen, Leiming

54: FLEXIBLE TRANSPARENT DISPLAY SCREEN

00: -

The present disclosure relates to the field of display screen, and disclosed a flexible transparent display screen, which includes a panel on which a pixel displaying block is mounted, wherein several control modules are provided within the panel, a groove is configured between adjacent control modules, and each of the two ends of the control module is provided with an electrode respectively. The flexible transparent display allows the flexible screen to be easier to be crimped by increasing crimpness when the flexible screen is crimped by configuring the upper groove and the lower groove on the upper surface and the lower surface of the panel respectively. The flexible transparent display screen avoids the electrode fracture due to crimping when the flexible screen is crimped through the electrical connection between two control modules formed by the sliding and attachment of the first electrode and the second electrode between adjacent control modules.



21: 2021/08233. 22: 2021/10/26. 43: 2022/12/01

51: B43K

71: Wu Yuqian

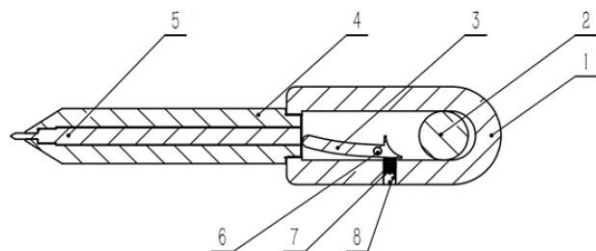
72: Wu Yuqian, Wu Chengge

54: AUTOMATIC REFILL-RETRACTING NIB PROTECTION PEN

00: -

The invention discloses an automatic refill-retracting nib protection pen, which comprises a pen cap and a pen holder, a refill is slidably connected in the pen holder; the open end of the pen cap is detachably connected with a pen holder; the tip of the refill and the pen cap are respectively located at two ends of the pen holder, and the length of the refill is longer than that of the pen holder; a balance bar is rotatably connected in the pen cap, and a counterweight ball is slidably connected in the pen cap; the diameter of the counterweight ball is the same as the inner diameter of the inner cavity of the pen cap; one end of the balance bar is set as an arc-shaped butting surface, and the other end of the balance bar is set as an arc-shaped supporting surface, a gap is left between the arc-shaped butting surface and the end of the pen holder, the arc-shaped butting surface is

butted with the end of the refill, the arc-shaped supporting surface is butted with the counterweight ball; the side wall of the pen cap is provided with a first through hole, a spring is arranged in the first through hole, and the end of the spring is butted with the bottom surface of the balance bar near the arc-shaped supporting surface. The invention can automatically retract the refill and realize the protection of the nib.



21: 2021/08234. 22: 2021/10/26. 43: 2022/01/12

51: A63B

71: Zhengzhou University of Aeronautics

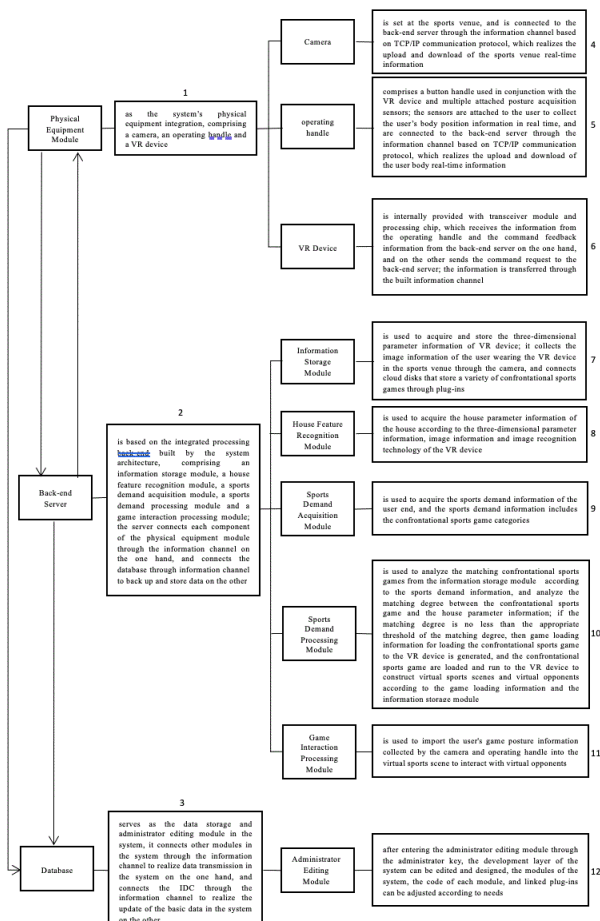
72: LI, Gaixin, WEI, Qin, WANG, Yongqiang, WANG, Chenyu, WANG, Zhikun

33: CN 31: 202111096109.6 32: 2021-09-15

54: A SPORTS TRAINING SYSTEM AND METHOD BASED ON VR TECHNOLOGY

00: -

The invention discloses a sports training system and method based on VR technology, comprising a physical equipment module based on system architecture, a back-end server and a database; the physical equipment module as the system's physical equipment integration, comprising a camera, an operating handle and a VR device, wherein the camera is set at the sports venue. Compared with the prior art, the advantageous effects of the invention are: it extends the conventional sports training method; by camera and the operating handle, it collects the users' game gestures, giving convenience for users to simulate the training in virtual space through VR device and server; meanwhile, it provides users with virtual opponents for interacting training, which facilitates the single training; while meeting the requirements of epidemic prevention, it can avoid the problem of technology degradation caused by the lack of training. With complete functions and multiple humanized designs, the invention has good applicability and is easy to promote.



21: 2021/08235. 22: 2021/10/26. 43: 2022/01/12

51: C01B; C02F

71: Hefei University of Technology

72: Liu Xu, Chen Xing, Cui Kangping, Yang Qinqin, Liu Huilai, Guo Zhi, Chen Yihan

54: PREPARATION METHOD AND APPLICATION OF IRON-CONTAINING CARBON-BASED COMPOSITE MATERIAL BASED ON COAGULATION SLUDGE OF DYE CHEMICAL WASTEWATER

00: -

The invention discloses a preparation method and application of an iron-containing carbon-based composite material based on dye chemical wastewater coagulation sludge. The preparation method comprise the following step: pretreating the dye chemical wastewater coagulation sludge by adopting an iron salt coagulation method, drying and grin to obtain dried sludge, wherein the dye chemical wastewater coagulation sludge contains organic pollutants; carbonizing the dried sludge, wherein nitrogen is adopted as a protective atmosphere, the temperature is raised to over 400 degree Celsius,

and the temperature is kept for 120 minutes and then heated; then immediately cooling to room temperature to prepare the iron-containing carbon-based composite material. According to the invention, iron salt coagulation sludge generated in the dye chemical wastewater treatment process is prepared into iron-containing carbon-based composite materials by pyrolysis, which are used for detecting inorganic mercury and adsorbing hexavalent chromium, and the electrochemical detection performance and adsorption performance of the materials obtained by pyrolysis are obviously improved.

21: 2021/08236. 22: 2021/10/26. 43: 2022/01/12
51: B01J; C07C

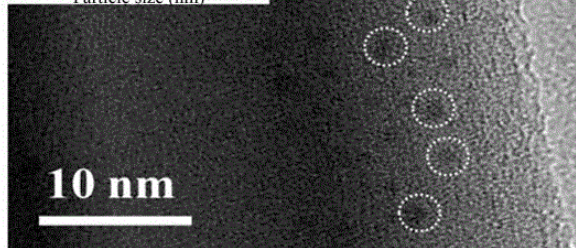
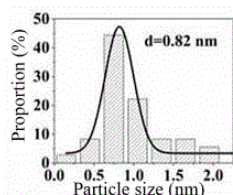
71: Henan University

72: TIAN, Yajie, HE, Xinyu, WANG, Tao, QIAO, Congzhen, YANG, Hao

54: MOLECULAR SIEVE CATALYST AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present disclosure provides a molecular sieve catalyst as well as a preparation method and application thereof. According to the molecular sieve catalyst provided by the present disclosure, a rate of the molecular mass transfer and diffusion is effectively improved by utilizing regular pore channels and cage structures of the BEA structure molecular sieve, so that the reaction rate of a catalytic reaction is improved, and the reaction activity of the catalytic reaction is improved.



21: 2021/08237. 22: 2021/10/26. 43: 2022/01/12

51: B01D

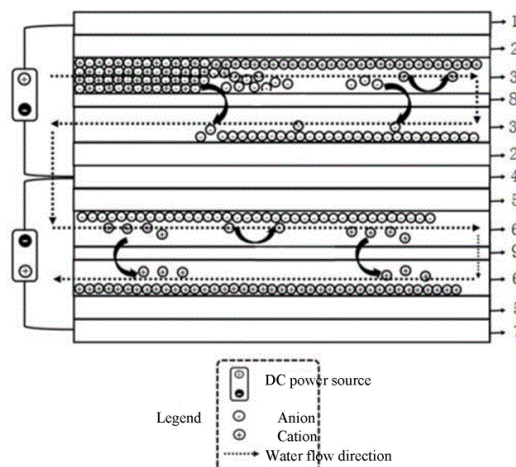
71: Qingdao University of Science and Technology

72: LIU, Yong, YUAN, Xun

54: DOUBLE-CHAMBER MEMBRANE CAPACITIVE DEIONIZATION DEVICE

00: -

The present disclosure belongs to the technical field of membrane capacitive deionization devices, and discloses a double-chamber membrane capacitive deionization device. The membrane capacitive deionization device is of a double-chamber structure, a first chamber and a second chamber are provided with water flow channel diaphragms at upper ends and lower ends of anion/cation exchange membranes respectively, thus making raw water flow in the water flow channel diaphragms of the double chambers in a snake-shaped manner. The membrane deionization device is small in mass transfer resistance, low in desalination energy consumption, and excellent in desalination effect.



21: 2021/08251. 22: 2021/10/26. 43: 2021/12/03
51: G06F

71: CENTRAL SOUTH UNIVERSITY

72: LIU, Rong, LIU, Zhuo, LIU, Jianxin, WANG, Jianxin, GUO, Rongwen

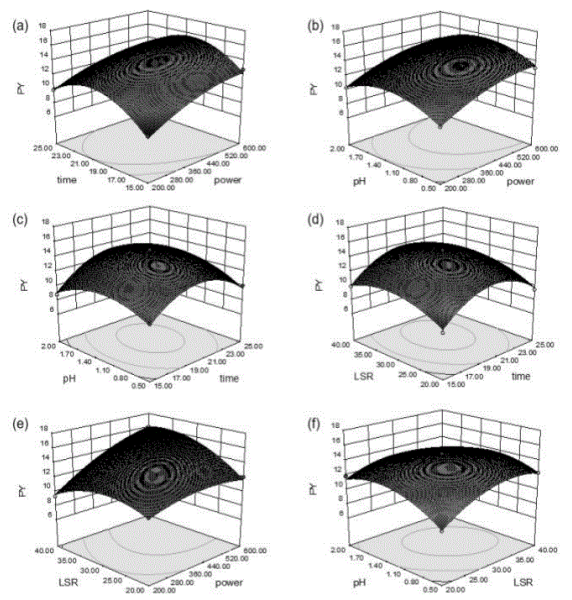
33: CN 31: 201910966894.2 32: 2019-10-12

54: NUMERICAL SIMULATION METHOD FOR FOOTPRINT-GUIDED HIGH-EFFICIENCY AIRBORNE ELECTROMAGNETIC SURVEY

00: -

Provided is a numerical simulation method for a footprint-guided high-efficiency airborne electromagnetic survey. The method comprises: partitioning an airborne electromagnetic survey region using uniform grids; gradually increasing the

number of uniform units, and determining a footprint size of an airborne electromagnetic survey observation device; calculating a scattering current existing in a footprint of a first survey station by using a truncated boundary vector finite element method, and storing a Green's function obtained from the calculation in this step; calculating an electromagnetic field response generated at a first survey point by the scattering current within the footprint obtained in the previous step, and storing a Green's function obtained from the calculation in this step; and repeating the two steps above for a subsequent survey station. In the present invention, calculation is performed for a survey region successively for footprints of individual survey stations, thereby significantly reducing a calculation region. In addition, the invention uses uniform grids for partitioning to enable a Green's function to be repeatedly used for a subsequent survey station when using the truncated boundary vector finite element method, thereby greatly improving calculation efficiency for subsequent survey stations.



21: 2021/08280. 22: 2021/10/27. 43: 2022/01/12
51: C12P

71: HEILONGJIANG BAYI AGRICULTURAL UNIVERSITY

72: ZANG, Yanqing, DU, Chao, ZUO, Feng, QIAN, Lili, ZHU, Lei

54: PREPARATION METHOD OF "GUANXIMIYOU" POMELO PEEL PECTIN WITH ANTIOXIDANT CAPACITY, MODIFICATION AND APPLICATION

00: -

The present disclosure relates to preparation method of "Guanximiyu" pomelo peel pectin with antioxidant capacity, modification and application, and provides a combination of optimal extraction conditions for extracting "Guanximiyu" pomelo peel pectin using an ultrasonic-microwave synergistic extraction method, and the obtained pectin was modified by pH to obtain modified "Guanximiyu" pomelo peel pectin.

21: 2021/08281. 22: 2021/10/27. 43: 2022/01/12
51: G01V

71: Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), 801 Institute of Hydrogeology and Engineering Geology, SPBGM, Second Institute of Hydrogeology and Engineering Geology, SPBGM, Dizi New Energy Technology Co. LTD

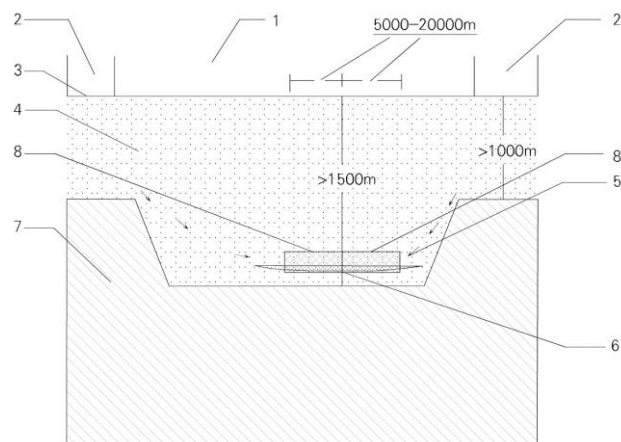
72: Kang Fengxin, Zheng Tingting, Yang Xunchang, Wang Xuepeng, Sui Haibo, Liu Zhitao, Zhao Jichu, Zhou Qundao, Yang Yabin, Huang Xing

54: TECHNIQUE FOR DETECTING GEOTHERMAL WATER ENRICHMENT AREA OF SANDSTONE GEOTHERMAL RESERVOIR

00: -

The invention discloses a detection technology of geothermal water enrichment area of sandstone geothermal reservoir. According to the technology, the paleosedimentary facies is taken as the theoretical basis, the geological structural units of depression (concave) area and uplift (convex) area of bedrock in the sedimentary basin are first found out, and then the area with loose sediment thickness over 1500 m and glutenite, which is the paleosedimentary facies paleochannel belt are located. The geothermal water enrichment area of sandstone geothermal reservoir is 5,000-20,000 m away from both sides of the central axis of the paleochannel belt (which is about 5,000-10,000 m away from both sides of the upstream central axis and 10,000-20,000 m away from both sides of the downstream central axis), and the shallow buried

end of glutenite roof is upstream of the paleochannel belt. According to the method, the target range of geothermal water enrichment areas is further investigated, exploration expenses such as geophysical prospecting and drilling which are unclear in the previous exploration target areas are saved, and exploration efficiency of geothermal water in sandstone geothermal reservoir is improved.



21: 2021/08282. 22: 2021/10/27. 43: 2022/01/12

51: E21F

71: Xijing University

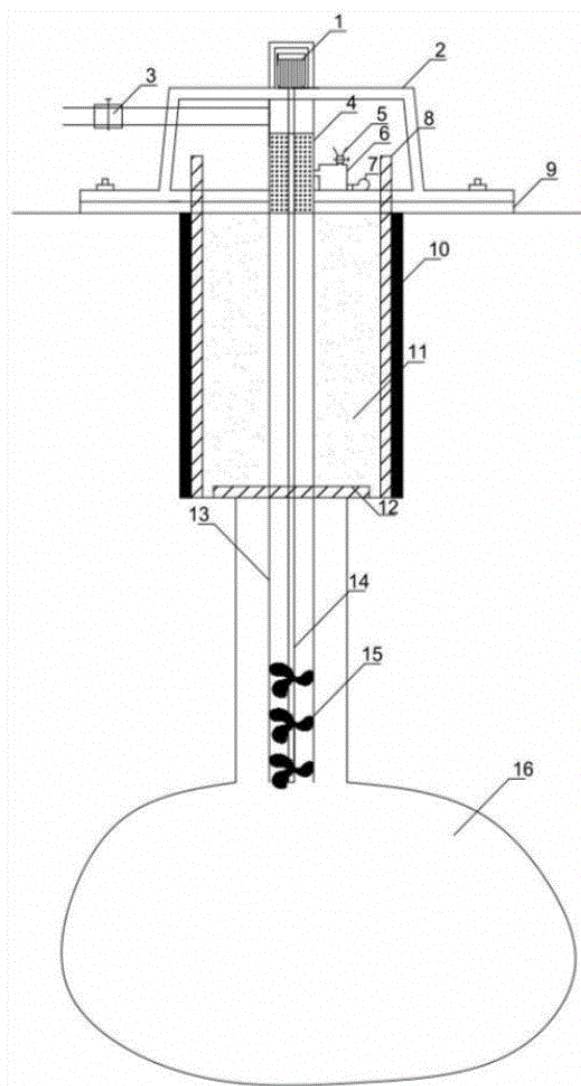
72: Yuan Kekuo, Li Wanlu, Fu Shaojun, Zhang Jingxian, Liu Kaide, Yang Shasha, Yu Benhui, Zhang Hao, Xi Yu

54: QUICK-CURING FOAM FILLING EQUIPMENT FOR UNDERGROUND GOAF AND CONSTRUCTION METHOD THEREOF

00: -

The invention is suitable for the technical field of goaf filling, and provides quick-curing foam filling equipment for underground goaf. The equipment includes: grouting pipe, and the grouting pipe is inserted into goaf; a grouting pump, which is communicated with the upper end of grouting pipe, and the grouting pump is externally connected with concrete slurry; a venturi tube, which is installed on the grouting pipe and is arranged at the lower section where the grouting pump communicates with the grouting pipe; a stirring device, which is used for mixing the lower section inside the grouting pipe; and a foam gel powder box, which is communicated with the convergence part of the venturi tube and input foam gel powder into the grouting pipe. The invention is simple to operate, can fully mix concrete slurry and foam gel powder at the same time,

ensures the uniformity of material mixing, and is energy-saving and environment-friendly and beneficial to popularization.



21: 2021/08284. 22: 2021/10/27. 43: 2022/01/12

51: G01J

71: Xinjiang Agricultural and Reclamation Science, Xinjiang Shihezi Vocational College, Shihezi University

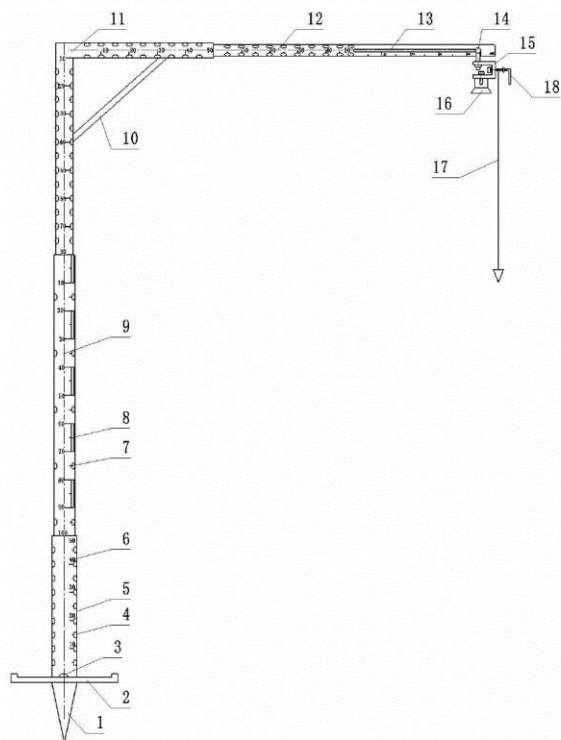
72: CHEN Bing, YU Yu, WANG Jing, ZHAO Jing, MA Xiaomei, WANG Xin, HAN Huanyong, WANG Fangyong, SUN Lexin, CHEN Zijie

54: SPECTRUM TESTING DEVICE FOR FARMING AREA

00: -

This invention belongs to testing platform, which is used for vertically testing the spectrum of ground objects in the field, in particular to spectrum testing

device for farming area that comprises support frame, telescopic rod and cross beam, the supporting frame comprises supporting hollow tube, tread plate is arranged below the supporting hollow tube, fixing nail is arranged below the tread plate, and spirit bubble is arranged above the tread plate. The telescopic rod comprises outer tube and inner tube, one end of the inner tube can be inserted into the outer tube to slide up and down, one end of the hollow tube of the beam is evenly distributed with screw holes according to the position of the measuring scale, and the other end is provided with elongated chute, on which a sliding nail is arranged, and angle iron frame is arranged below the sliding nail. The invention has simple, economical and practical structure, which is efficient for vertically measuring the spectrum of ground objects in the farming area, it can also vertically take pictures of ground objects, furthermore, it is convenient to carry and to be used in the farming area, it has wide testing range with good data stability and precision

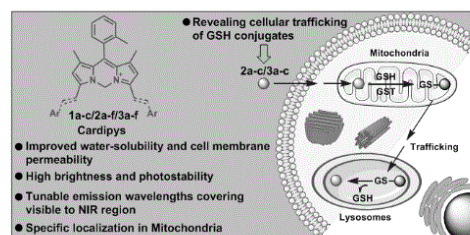


21: 2021/08285. 22: 2021/10/27. 43: 2022/01/12
51: C08G; C09B; G02B
71: Shanxi University
72: LIU, Jing, ZHANG, Hongxing, GUO, Wei

54: PREPARATION METHOD AND USE OF CARBODIPY CATIONIC DYE

00: -

The present disclosure provides a preparation method and use of a carbodipy cationic dye. These carbodipys not only retain the excellent photophysical properties of traditional bodipy, but also show better water solubility and light stability due to cationic properties; in addition, the carbodipys are very easy to penetrate cell membranes and accumulate in mitochondria due to the cationic properties. Several carbodipy dyes with active styryl can simulate the detoxification of electrophiles in cells. Therefore, the carbodipy dyes have potential values in exploring the detoxification mechanism of a mitochondrial glutathione S-transferase/glutathione (GST/GSH) system or evaluating the drug resistance of cancer cells closely-related to glutathione S-transferase (GST) activity.



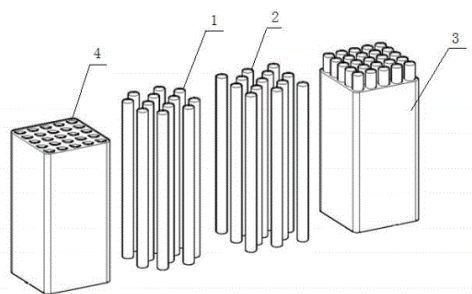
21: 2021/08286. 22: 2021/10/27. 43: 2022/01/12
51: B01D
71: Qingdao University of Science and Technology
72: LIU, Yong, YUAN, Xun

54: ROD-SHAPED MEMBRANE CAPACITIVE DEIONIZATION ARRAY

00: -

The present disclosure discloses a rod-shaped membrane capacitive deionization array. The rod-shaped membrane capacitive deionization array comprises a plurality of rod-shaped positive electrode units, a plurality of rod-shaped negative electrode units and a diaphragm, and the rod-shaped positive electrode units and the rod-shaped negative electrode units are arranged in the diaphragm in an array staggered manner, wherein each rod-shaped positive electrode unit comprises a first rod-shaped collector electrode, a first electrode material layer and an anion exchange layer, and the outer surface of the first rod-shaped collector

electrode is sequentially coated with the first electrode material layer and the anion exchange layer; and each rod-shaped negative electrode unit comprises a second rod-shaped collector electrode, a second electrode material layer and a cation exchange layer, and the outer surface of the second rod-shaped collector electrode is sequentially coated with the second electrode material layer and the cation exchange layer.



21: 2021/08289. 22: 2021/10/27. 43: 2022/01/12
51: A61D; C12Q

71: Qingdao Agricultural University

72: Cao Zhi, Yin Dehua

54: ON-SITE EXTRACTION METHOD FOR NUCLEIC ACID IN ANIMAL TISSUES

00: -

The invention belongs to technical field of microbial detection, and particularly relates to an on-site extraction method of nucleic acid applied to animal tissues. Among them, the extraction reagent used for tissue lysis is the mixture of SEMP solution, 3 M sodium acetate, 3~8 M guanidine isothiocyanate and TRIzol®, with the volume ratio of 4: 1: 4: 2. Nucleic acid adsorbing materials are used as carriers during rinsing and eluting. The method does not need any complicated manufacturing or special equipment (such as pipettes, centrifuges or metal baths, etc.), and can extract nucleic acid with no significant difference in mass concentration from standard commercial nucleic acid extraction kits in 1~3 minutes. The obtained nucleic acid can be directly used in different molecular diagnosis and detection experiments such as LAMP, PCR, RT-PCR and qRT-PCR.

21: 2021/08290. 22: 2021/10/27. 43: 2022/01/13
51: G06F; G06Q

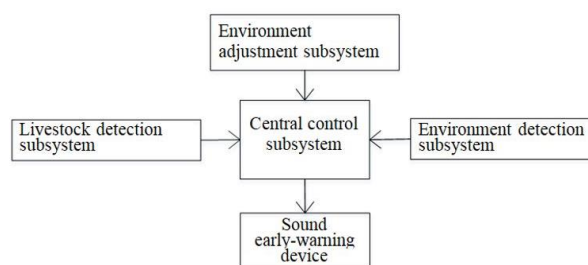
71: YUAN, Guang

72: YUAN, Guang

54: BIG DATA ANALYSIS SYSTEM

00: -

Disclosed is a big data analysis system, including a livestock detection and central control subsystems. The detection subsystem includes an RFID tag, an RFID read-write device, a laser prompter and a first monitoring camera; the RFID read-write device is configured to read the RFID electronic tag and send the read information to the central control subsystem; a starting command is written into the RFID electronic tag and controls the laser prompter to emit laser; after capturing the laser, the camera takes a picture of a position on which the laser is generated to obtain body contour data of the livestock with the generated laser, and sends the data to the control subsystem; the control subsystem performs associated storage and analysis on received information, and displays analysis results. The system can monitor growth and health conditions of livestock in real time, providing strong basis for adjustment of management measures staff.



21: 2021/08291. 22: 2021/10/27. 43: 2022/01/12
51: H01F

71: Leshan Griem Advanced Materials Ltd.

72: YANG, Hongbo, YAN, Hao, XIAO, Yin, YANG, Guilin, DENG, Zhijin, WEN, Tao, DENG, Yao, LI, Juan, YAN, Jun

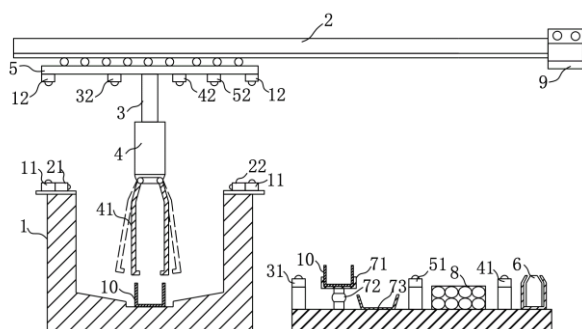
33: CN 31: 202011583106.0 32: 2020-12-28

54: RARE EARTH METAL AND ALLOY DISCHARGING DEVICE AND METHOD

00: -

The invention provides a rare earth metal and alloy discharging device and method. The rare earth metal and alloy discharging device comprises an electrolytic furnace, a transverse moving device arranged above the electrolytic furnace, a longitudinal moving device arranged at a driving end of the transverse moving device and a crucible gripping device arranged at a driving end of the longitudinal moving device. The crucible gripping

device is provided with a clamp for gripping a crucible in the electrolytic furnace, a clamp correcting device is arranged below the transverse moving device, and the clamp correcting device is used for correcting the clamp with local bending deformation after gripping the crucible. The rare earth metal and alloy discharging method is based on the discharging device. The discharging device and method can not only avoid the harm such as burns, heat radiation and muscle strain caused in the discharging process, but also significantly improve the discharging efficiency and discharging quality and reduce the production cost. The discharging device and method are easy to operate, high in industrial applicability and easy to promote and apply.



21: 2021/08292. 22: 2021/10/27. 43: 2022/01/13
51: G06T; G06N

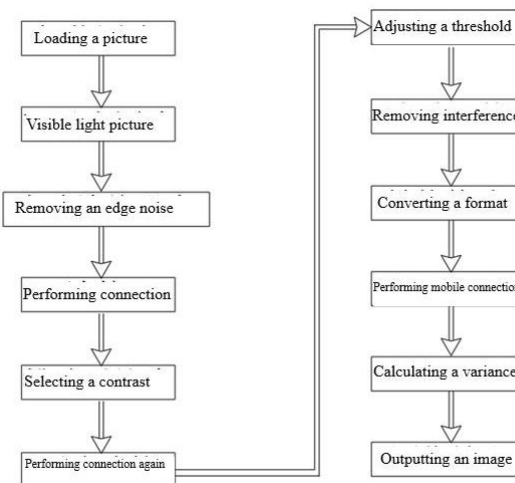
71: GUANGXI ACADEMY OF AGRICULTURAL SCIENCES, NANNING NO.39 MIDDLE SCHOOL
72: CHEN, Zhongliang, HUANG, Dongliang, QIN, Cuixian, LIAO, Fen, LI, Aomei, WANG, Miao, LI, Yangrui, ZHOU, Li, CHEN, Yan, XIE, Xiaoling

54: METHOD FOR ANALYZING SUGARCANE LIVING PLANT TYPE BASED ON PLANT 3D IMAGING

00: -

The present invention relates to the technical field of sugarcane imaging analysis, and discloses a method for analyzing a sugarcane living plant type based on plant 3D imaging. The method includes the following steps: S1: loading a picture: selecting LemnaGrid software and then loading a sugarcane sample picture from a database; S2: a visible light picture: selecting a visible light picture loaded with a sugarcane sample and then loading; S3: removing an edge noise: connecting a DB Data Reader module through an editing area on a right side to remove the edge noise of the picture; S4: performing

connection; S5: selecting a contrast; and S6: performing connection again. According to the present invention, a purpose of imaging analysis is rapidly achieved through accurate operation, interference in background can be removed, and a small gap in foreground can be filled, so that good imaging effect and high imaging speed are achieved.



21: 2021/08311. 22: 2021/10/27. 43: 2022/01/12

51: A61F

71: HANGZHOU JUJIU SCIENCE AND BIOTECHNOLOGY CO.,

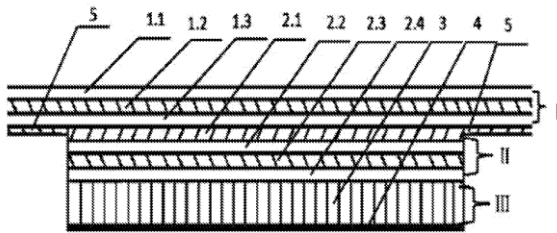
72: SHU, Chaofeng, YU, Rui Jun, TIAN, Fu Bo

33: CN 31: 201910420063.5 32: 2019-05-20

54: LIGHT-SHIELDING GEL EYE PROTECTION PATCH

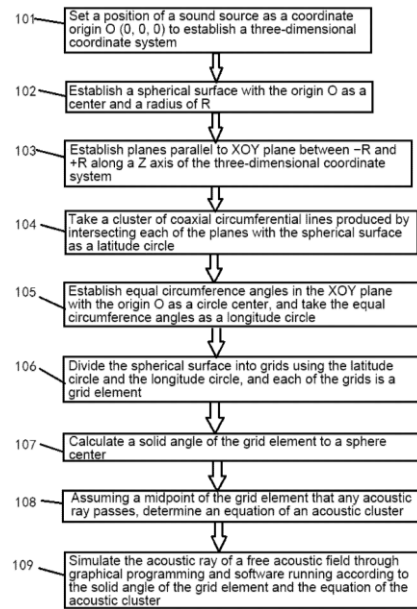
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A light-shielding gel eye protection patch consists of an application layer (I), a light-shielding layer (II), a thermal insulation layer (III), an isolation layer 1 (5), and an isolation layer 2 (4), the application layer (I) is a silicone gel layer, the light-shielding layer (II) is an aluminum foil (2.2) combined with non-woven fabric (2.4) or cotton cloth, the thermal insulation layer (III) is a hydrogel (3), and the isolation layer 1 (5) or the isolation layer 2 (4) may be one of a pearl film, a release paper or a PE film, and has a shape that conforms to the structural and physiological characteristics of eyes, and is raindrop-shaped, spectacle frame-shaped, bean sprout-shaped, oval, or dolphin-shaped. The patch can prevent harmful light, including blue light during phototherapy of neonatal jaundice, and laser or IPL during laser or IPL therapy, from harming human eyes, and is safe, effective and comfortable.



21: 2021/08353. 22: 2021/10/28. 43: 2022/01/12
 51: G10K
 71: QINGDAO UNIVERSITY OF TECHNOLOGY
 72: LI, Xue, QIAN, Cheng, HU, Yong, SONG, Zhonghua, ZHANG, Shengquan, LIU, Dingdang
54: A METHOD AND A SYSTEM FOR SIMULATING A SOLID ANGLE OF AN ACOUSTIC RAY IN AN ACOUSTIC FREE FIELD
 00: -

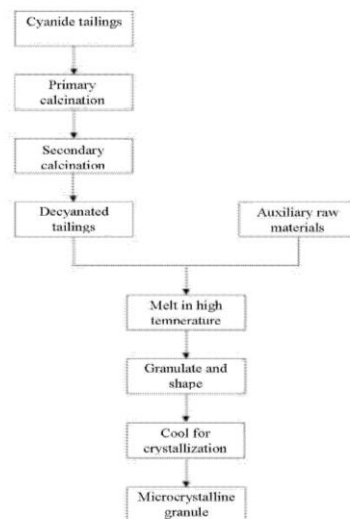
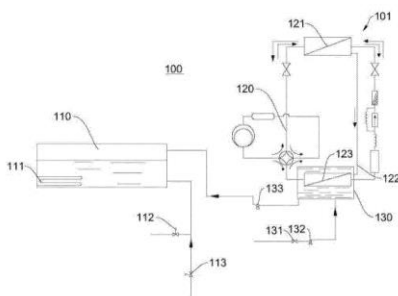
The present disclosure provides a method and a system for simulating a solid angle of an acoustic ray in an acoustic free field. In the method, a position of a sound source is set as an origin O to establish a three-dimensional coordinate system; a spherical surface is established with the origin O as a center and a radius of R; planes parallel to XOY plane are established between -R and +R along a Z axis of the three-dimensional coordinate system; equal circumference angles are established in the XOY plane with the origin O as a circle center; the spherical surface is divided into grids using a latitude circle and a longitude circle, and each of the grids is a grid element; a solid angle of the grid element to a sphere center is calculated; assuming a midpoint of the grid element that any acoustic ray passes.



21: 2021/08354. 22: 2021/10/28. 43: 2022/01/12
 51: F28F
 71: QINGDAO UNIVERSITY OF TECHNOLOGY
 72: LI, Xue, QIAN, Cheng, ZHANG, Gaowei, REN, Yanchao, LI, Wenjie, LIU, Luheng, LIU, Wenjing
54: INTEGRATED MACHINE AND HEAT EXCHANGE SYSTEM

00: -

The present disclosure provides an integrated machine and a heat exchange system. The integrated machine includes a water heater and a circulating water tank for heat exchange with a heat exchanger of an outdoor unit of an air conditioner using water as a heat exchange medium. The heat exchanger is installed in the circulating water tank, and the circulating water tank is connected to the water heater through a water feeder. The water heater is provided with a first gate valve for connecting with a tap water pipeline, and the circulating water tank is provided with a second gate valve for connecting with a tap water pipeline. The water feeder has one or two working modes of delivering water in the circulating water tank to the water heater or delivering water in the water heater to the circulating water tank. The heat exchange system includes the integrated machine.



21: 2021/08355. 22: 2021/10/28. 43: 2022/01/12

51: C03C

71: BGRIMM TECHNOLOGY GROUP

72: ZHAO, Qingchao, LI, Weiguang, ZHU, Yangge, LI, Yong, YANG, Hang

33: CN 31: 202011289201.X 32: 2020-11-17

54: METHOD FOR HARMLESS DISPOSAL OF CYANIDE TAILINGS BY SURFACE CRYSTALLIZATION PROCESS OF MICROCRYSTALLINE GLASS GRANULES

00: -

Disclosed is a method for harmless disposal of cyanide tailings by a surface crystallization process of microcrystalline glass granules, including the steps of: performing two-stage calcination and decyanation on filter-pressed cyanide tailings, and blending the decyanated cyanide tailings with auxiliary components according to a ratio, melting a batch material into a molten glass at a high temperature, after clarifying the molten glass at a high temperature uniformly, and performing granulation with a granulator. The prepared glass granules are subjected to spontaneous surface crystallization in the air to form a microcrystalline glass granule with a "mantle" structure whose surface is a crystal shell and inner part is an amorphous core. Moreover, heavy metal elements in the cyanide tailings may act as a phase-forming component in the crystal shell to form a new crystalline phase, while heavy metal elements in the amorphous core are solidified in glass grids of the amorphous core.

21: 2021/08357. 22: 2021/10/28. 43: 2022/01/12

51: B01J

71: PINGXIANG FXSINO PETROCHEMICAL PACKING CO., LTD

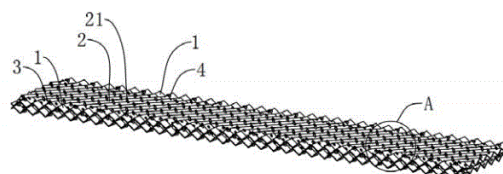
72: XU, Zhe

33: CN 31: 201910449606.6 32: 2019-05-28

54: POLYMERIC FILLER

00: -

A polymeric filler, comprising upper and lower fixedly connected filler plates. The filler plates are provided with connected foldable parts (2) connected in sequence and flat edge parts (1) arranged at either end of the connected foldable parts (2). The connected foldable parts (2) are provided with multiple through holes (21) running vertically therethrough. Both sides of the connected foldable parts (2) and of the flat edge parts (1) are downward folded triangles. Respectively provided at an interval at middle parts of the multiple flat edge parts (1) arranged on either end of the connected foldable parts (2) are insertable cylinders (3) facing upwards and insertion sockets (4) fitting the insertable cylinders (3) and facing downwards.



21: 2021/08388. 22: 2021/10/29. 43: 2022/01/12

51: A01K

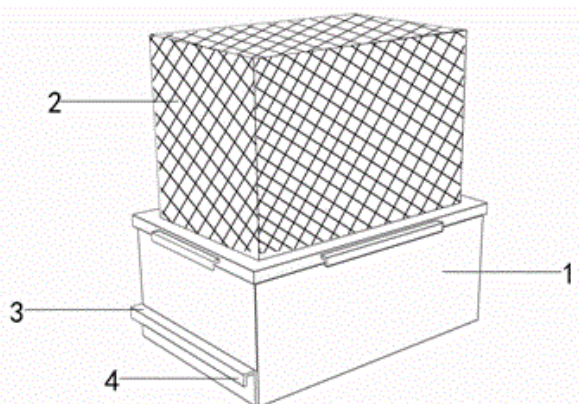
71: Shandong Agricultural University

72: Xie Lixia, Yan Yi, Zhang Na, Wang Lina, Zhang Shuo, Zhang Qian, Liu Kai, Jing Qinmei, Zhao Qiuyu, Wan Zixuan, Qin Xifeng

54: INDOOR CIRCULATING FEEDING DEVICE AND FEEDING METHOD OF MACROCHELES MUSCAEDOMESTICAE

00: -

The invention relates to an indoor circulating feeding device of *Macrocheles muscaedomesticae* and a indoor circulating feeding method of *Macrocheles muscaedomesticae*. According to the method, under the conditions of temperature of 20–30 degree Celsius, relative humidity of 60 percent–80 percent and illumination, artificially bred *Musca domestica* are used as prey of predatory mites such as *Macrocheles muscaedomesticae*, and the *Macrocheles muscaedomesticae* are artificially and circularly bred on a large scale. The invention can realize the beneficial effect of indoor large-scale circulating feeding of *Macrocheles muscaedomesticae*.



21: 2021/08389. 22: 2021/10/29. 43: 2022/01/12
51: C23G

71: Shanghai Urban Construction Vocational College

72: Zhai Jian, Jiang Chunhua, Bao Jingyao

54: RESOURCE TREATMENT TECHNOLOGY OF PICKLING WASTE LIQUOR IN IRON AND STEEL INDUSTRY

00: -

This invention discloses resource treatment technology of pickling waste liquor in iron and steel industry, which belongs to the field of resource treatment technology of waste liquor. The technical method provided by this invention comprises: recovery of ferrous sulfate by freezing crystallization, recovery of sulfuric acid by acid retardation principle

of strong anion exchange resin, preparation of polyferric sulfate by one-step catalysis. The method provided by the invention has simple process, and is easy to operate without causing secondary pollution, which realizes the resource treatment of sulfuric acid pickling waste liquor. The invention does not only recovers sulfuric acid that can be reused for production, but recovers ferrous sulfate to prepare the water purifying agent polyferric sulfate, thus realizing zero pollution of iron and steel enterprises. The recovery rates of sulfuric acid and ferrous sulfate are high, reaching 82% and 97% respectively. The quality of polyferric sulfate meets the Type I standard of Polyferric Sulfate as Water Purifier (GB14591-2006).

21: 2021/08390. 22: 2021/10/29. 43: 2022/01/12
51: D01B

71: Guizhou Sericulture Research Institute (Guizhou Pepper Research Institute), SOUTHWEST UNIVERSITY, Guizhou Canlayuan Technology Co., Ltd., Bijie Huijiang Sericulture Development Co., Ltd.
72: LUO, Chaobin, YANG, Wanjun, REN, Xiaoxiao, QING, Zhuo, SUN, Yunpeng, DAI, Fangyin, LIU, Zhongming, ZHANG, Yingxiang

54: METHOD FOR OBTAINING HIGH-QUALITY SILKWORM COCOONS AND APPLICATION OF HIGH-QUALITY SILKWORM COCOONS

00: -

The present disclosure discloses a method for obtaining high-quality silkworm cocoons and application of the high-quality silkworm cocoons, and relates to the technical field of sericulture. According to the method, by controlling environments in frames, high-quality silkworm cocoons are obtained for reeling mills to produce high-quality raw silk. By adopting the method of the present disclosure, on the one hand, adverse results caused by poor rearing conditions (such as autumn) in the rearing process can be alleviated, and on the other hand, excellent effects accumulated by good rearing conditions are exerted to achieve a better effect. The silkworm cocoons are good in appearance quality, uniform in color, good in wrinkle consistency, small in contaminated cocoon quantity and accordant in cocoon shape and size.

21: 2021/08392. 22: 2021/10/29. 43: 2022/01/12
51: C04B

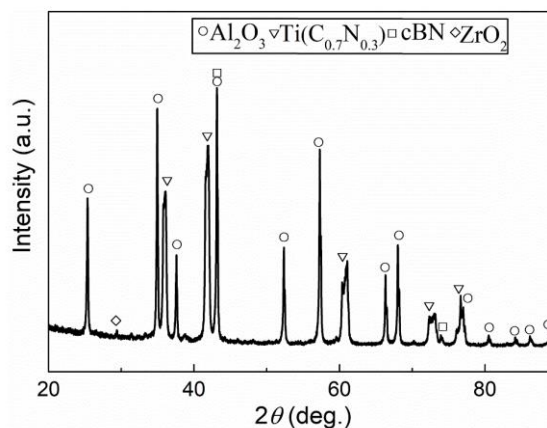
71: Zhengzhou University of Aeronautics

72: Zhang, Mengwen, Fan, Lei, Yang, Lutong, Yang, Shoulei

54: AL₂O₃-CBN-BASED COMPOSITE CERAMIC CUTTER MATERIAL AND THE PREPARATION METHOD THEREOF

00: -

The present disclosure discloses an Al₂O₃-cBN-based composite ceramic cutter material and the preparation method thereof and it belongs to the technical field of ceramic cutter; components of the composite ceramic cutter material in volume percent are respectively: Al₂O₃: 50% ~ 80%, cBN : 10% ~ 30%, TiCN: 5% ~ 20%, wherein the sum of volume percentages of Al₂O₃, cBN and TiCN is 100%; the material preparation method is: weighing Al₂O₃ powder, cBN powder and TiCN powder respectively according to the volume ratio of the raw material powder; dissolving ammonium citrate into deionized water for the preparation of dispersant solution; ball milling and mixing the raw material powder of each ingredient and the dispersant solution and drying them for the preparation of mixture material; loading the mixture material into a mould and then performing oscillation pressure sintering. The present disclosure obtains high performance Al₂O₃-based ceramics cutter material with high cBN content by solving the problem of low binding intensity caused by the mismatch of physical property between Al₂O₃ and cBN through TiCN and performing dynamic pressure on mixture material with the oscillation pressure sintering technique in the preparation method, which can be widely used in the processing field of processing difficult-to-process materials such as high temperature alloys.



21: 2021/08393. 22: 2021/10/29. 43: 2022/01/12

51: G01N

71: Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), 801 Institute of Hydrogeology and Engineering Geology, SPBGM, Dizi New Energy Technology Co. LTD, Second Institute of Hydrogeology and Engineering Geology, SPBGM

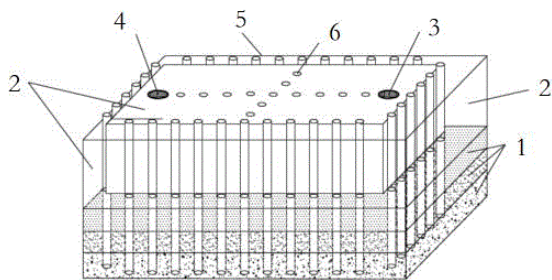
72: Kang Fengxin, Yang Xunchang, Wang Xuepeng, Zheng Tingting, Bai Tong, Zhou Qundao, Yang Yabin, Sun Xiaoxiao, Sui Haibo, Wei Shanming

54: METHOD FOR SIMULATING GEOTHERMAL TAILWATER REINJECTION AND TRACER TEST

00: -

The invention relates to a method for simulating geothermal tailwater reinjection and tracer test, which comprises the following steps: laying a simulated sand tank, wherein the upper part adopts clay as a water-resisting layer and the lower part adopts sandstone as a geothermal reservoir, and arranging and numbering a plurality of pressure sensors in the sandstone; a plurality of water intake points are arranged in the geothermal reservoir, and tracer detection sampling water pipes are buried at each water intake point and numbered; tracer detection sampling pipes located on the same straight line have different lengths, etc. The method has the advantages that water level (pressure) data of different frequencies and different sand tank spatial positions are acquired, and water samples of different time periods and different positions are collected through the sampling water pipes, and tracer detection is carried out; a reinjection numerical model is established according to the detection results and combined with water level and pressure change data reflected by various monitoring instruments, and inversion calculation is

performed on the water quality communication time of reinjection and production wells under the conditions of different reinjection and production quantities and different sandstone geothermal reservoirs, which provides technical support for the sustainable development and utilization of geothermal resources such as rational planning of the layout of reinjection and mining projects.



21: 2021/08394. 22: 2021/10/29. 43: 2022/01/12
51: G01N; G06F

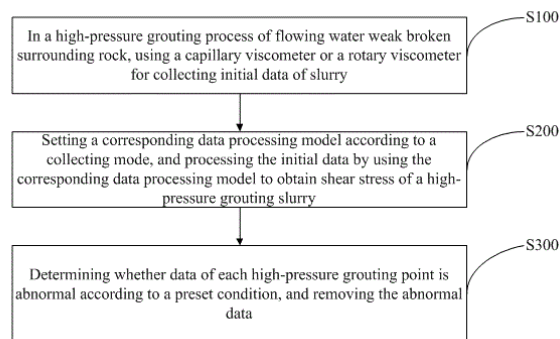
71: CHINA RAILWAY 11TH BUREAU GROUP
FOURTH ENGINEERING CO., LTD., NANNING
SURVEY AND DESIGN INSTITUTE CO., LTD. OF
CHINA RAILWAY SIYUAN GROUP, Wujiu Railway
Passenger Dedicated Line Hubei Co., Ltd.

72: GAO, Jun, CHEN, Zhiming, LI, Jianhua, XU,
Dan, HUANG, Zhengkai, XUE, Huiling, WANG,
Zhengyi, LIN, Xiao, XIONG, Xiaohui, WENG,
Xiaochuan, ZHANG, Yuanzheng, GAO, Yuxin

54: IDENTIFYING AND PROCESSING METHOD OF FLOWING WATER WEAK BROKEN SURROUNDING ROCK HIGH-PRESSURE GROUTING RHEOLOGICAL DATA

00: -

The present disclosure provides an identifying and processing method of flowing water weak broken surrounding rock high-pressure grouting rheological data, which includes the following steps of: S100, in a high-pressure grouting process of flowing water weak broken surrounding rock, using a capillary viscometer or a rotary viscometer for collecting initial data of slurry; S200, setting a corresponding data processing model according to a collecting mode, and processing the initial data by using the corresponding data processing model to obtain shear stress of a high-pressure grouting slurry; and S300, determining whether data of each high-pressure grouting point is abnormal according to a preset condition, and removing the abnormal data.



21: 2021/08395. 22: 2021/10/29. 43: 2022/01/12
51: E21F; G01V

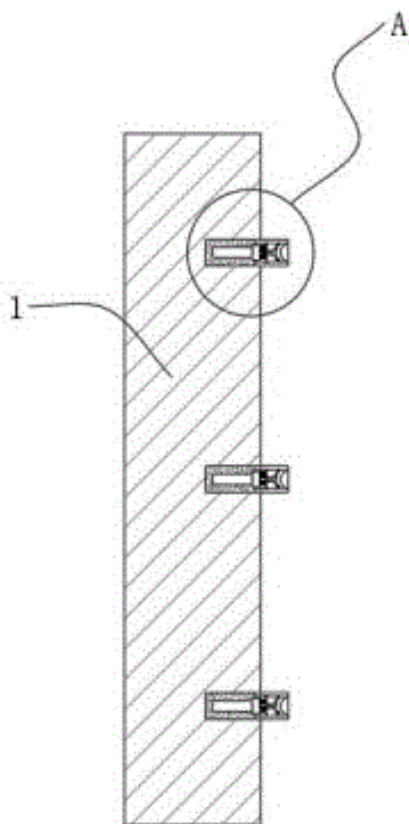
71: CHINA RAILWAY 11TH BUREAU GROUP
FOURTH ENGINEERING CO., LTD., NANNING
SURVEY AND DESIGN INSTITUTE CO., LTD. OF
CHINA RAILWAY SIYUAN GROUP, Wujiu Railway
Passenger Dedicated Line Hubei Co., Ltd.

72: GAO, Jun, CHEN, Zhiming, LI, Jianhua, XU,
Dan, HUANG, Zhengkai, XUE, Huiling, WANG,
Zhengyi, LIN, Xiao, XIONG, Xiaohui, WENG,
Xiaochuan, ZHANG, Yuanzheng, GAO, Yuxin

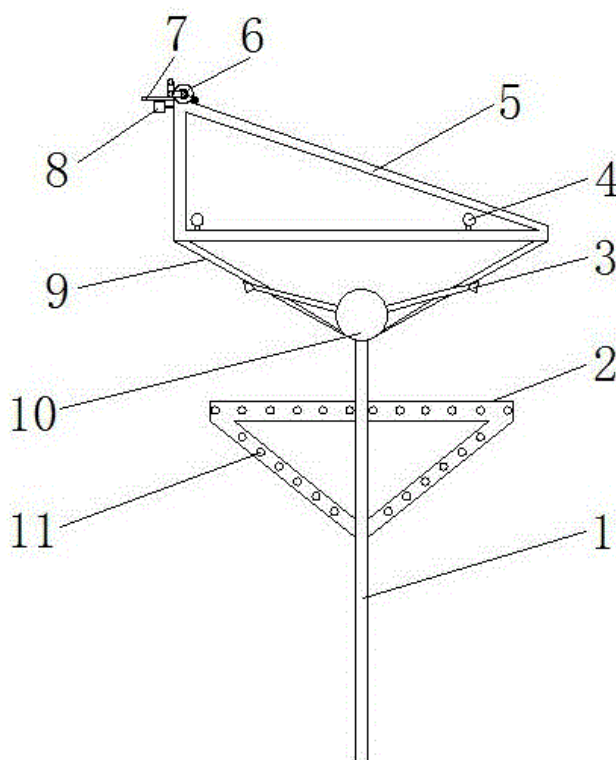
54: DYNAMIC STABILITY MONITORING AND MEASURING METHOD FOR HIGH-OSMOTIC- PRESSURE GROUTING WATER PLUGGING CURTAIN

00: -

The present disclosure relates to a technical field of water plugging curtain monitoring, and discloses a dynamic stability monitoring and measuring method for high-osmotic-pressure grouting water plugging curtain: establishing a ground digital signal processing system firstly; establishing an underground digital signal acquisition system; calibrating monitoring points according to a direction of a water plugging curtain, and drilling a drilling hole in the monitoring point by a drilling equipment; after drilling is completed, arranging a bushing according to a drilling depth; setting monitoring points on all directions of the water plugging curtain and drilling holes on the monitoring points to facilitate the placement of microseismic sensors; By setting the bushing and the support rod, the support rod is inserted into the bushing, to make the support rod can support the microseismic sensor, so that the microseismic sensor can better monitor the vibration information in the environment.



and a sunshade net is wound on the small rotating shaft. The invention has reasonable design, and through the design of the top rotating shaft and the sunshade net, the sunshade net can be used for shading and cooling at high temperature; by the use of the spraying device, water can be replenished in time; and by the insect repellent lamp, grapes can be guaranteed to be pure natural green food.



21: 2021/08396. 22: 2021/10/29. 43: 2022/01/12
51: A01G

71: Shanxi Agriculture University, Pomology Institute
72: Zhao Qifeng, Huang Liping

54: MULTIFUNCTIONAL GRAPE PLANTING RACK

00: -

The invention discloses a multifunctional grape planting rack, which comprises a vertical rod, wherein a vertical rod frame is fixedly arranged on the vertical rod; a spraying device is arranged at the upper end of the vertical rod; and nozzles are connected at both sides of the spraying device through connecting pipes; a fixed bracket is fixedly connected to the spraying device, and a triangular bracket is fixedly connected to one end of the fixed bracket far away from the spraying device, insect repellent lamps are symmetrically arranged on the triangular bracket, a hollow column is fixedly arranged at the top end of the triangular bracket, a large rotating shaft is rotatably connected to the hollow column, and a rotating handle is fixedly connected to the large rotating shaft; a small rotating shaft is arranged on one side of the hollow column,

21: 2021/08397. 22: 2021/10/29. 43: 2022/01/12
51: A01K

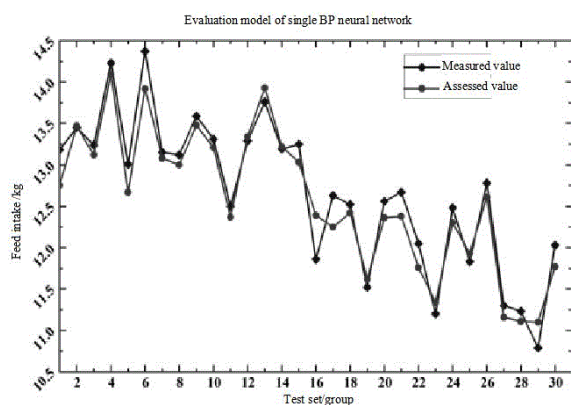
71: Northeast Agricultural University
72: Wei Xiaoli, Shen Weizheng, Fu Qiang, Dai Baisheng, Zhang Yonggen, Xiong Benhai

54: EVALUATION METHOD OF COW FEED INTAKE BASED ON BP NEURAL NETWORK OPTIMIZED BY GENETIC ALGORITHM

00: -

The invention discloses a cow feed intake evaluation method based on a genetic algorithm optimized BP neural network, which comprises the following steps: step 1, determining the topological structure of the BP neural network; step 2, preprocessing sample data; step 3, population initialization; step 4, calculating the population fitness value; step 5, selecting, crossing and mutating; step 6, judging whether evolution is completed; step 7, building a

model; step 8: model verification. The method adopts genetic algorithm to optimize the weight threshold of BP neural network to establish the feed intake evaluation model, which provides scientific basis and theoretical guidance for accurately evaluating the change of cow feed intake and reasonably controlling the change rule of cow feed intake. The method overcomes the defect that the BP neural network may fall into local optimum, improves the convergence speed of the model and has higher evaluation effect.



21: 2021/08398. 22: 2021/10/29. 43: 2022/01/12

51: A01G

71: Qingdao Agricultural University

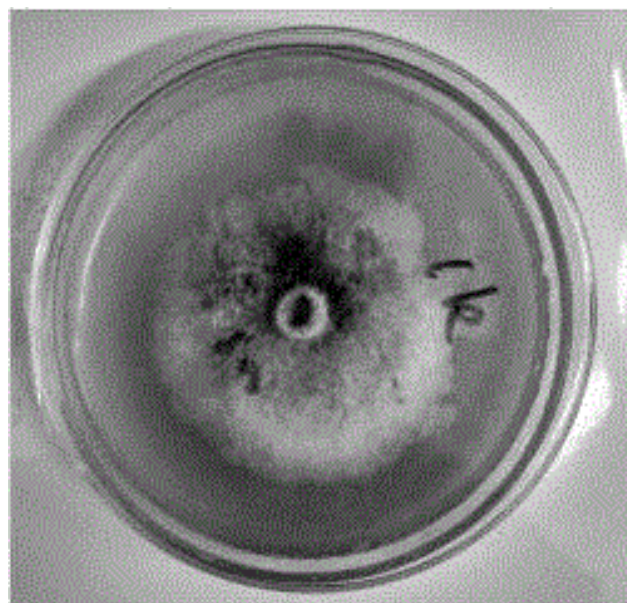
72: Li Shuwen

54: RAPID SEPARATION AND CULTURE METHOD OF TUBER INDICUM COOKE ET MASSEE HYPHAE

00: -

The invention belongs to the technical field of truffle hyphae separation and culture, and particularly relates to a rapid separation and culture method of *Tuber indicum* hyphae. The invention comprises the steps of preparing a culture medium, separating and culturing, and is characterized in that the culture medium comprises the following components: 10-50 g/L of maltose, 1-5 g/L of ammonium sulfate, 100-400 g/L of potatoes, 3-20 g/L of pine needles, 2-10 g/L of *Chlorella* water extract, 0-50 mg/L of plant hormones and 5-12 g of agar, Vitamin B1 0.05-0.3 g/L, and pH 6.5-8.5. According to the invention, a tissue separation method is adopted, the germination of truffle ascospores is promoted on a specific culture medium by a certain operation technology, so as to obtain truffle hyphae; on the basis, the culture medium components and growth

conditions of hyphae can be optimized, and the modern fermentation process is highly mature, so that a large number of metabolites can be obtained, and relevant morphological characteristics, physiological characteristics and cultivation research can be carried out, thereby saving resources, shortening the culture time and improving the aging efficiency.



21: 2021/08399. 22: 2021/10/29. 43: 2022/01/12

51: G09B

71: The Second Affiliated Hospital of Kunming Medical University

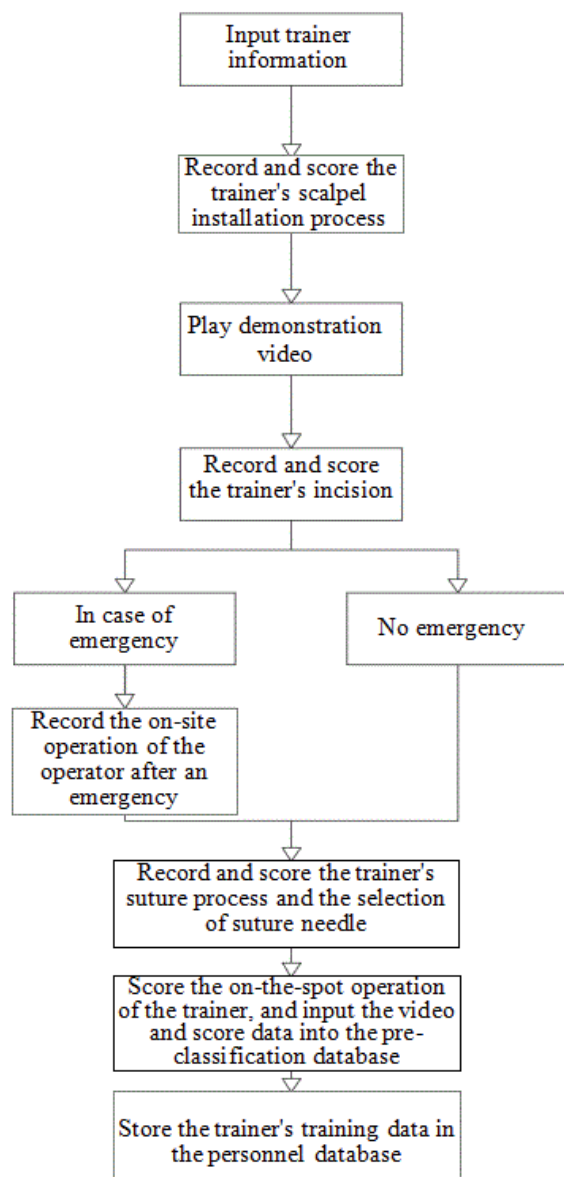
72: Ke Yang, Li Long, Li Yuehua, Wang Jiaping, Wu Yushan, Zu Shaoqi, Lv Juntao, Yin Yanlu, Zheng Kai, Yang Xiaoyan

54: SURGICAL OPERATION DEMONSTRATION TRAINING SYSTEM

00: -

The invention discloses a surgical operation demonstration training system, which comprises the following steps: collecting and registering information; recording the selection and installation of surgical blade and playing demonstration video; recording the incision operation of a trainer; recording the emergency situations generated by the incision, and then recording the suture process; and finally storing the records in a personnel database. According to the training system, each training level of the trainer is recorded and scored, and the visual level diagram of the training scores of the trainer for nearly five times can be viewed in the personnel

database, so that the improvement of the trainer can be quickly understood; meanwhile, the training system can capture emergency events generated in the training process, thereby improving the integrity of the training system entry; and the demonstration training system can not only exercise the on-the-spot response and selection ability of the trainer in uncertain times, but also exercise by various techniques needed in the surgical operation process.



21: 2021/08412. 22: 2021/10/29. 43: 2022/01/13
 51: G06F
 71: SHANDONG FIRST MEDICAL UNIVERSITY & SHANDONG ACADEMY OF MEDICAL SCIENCES,

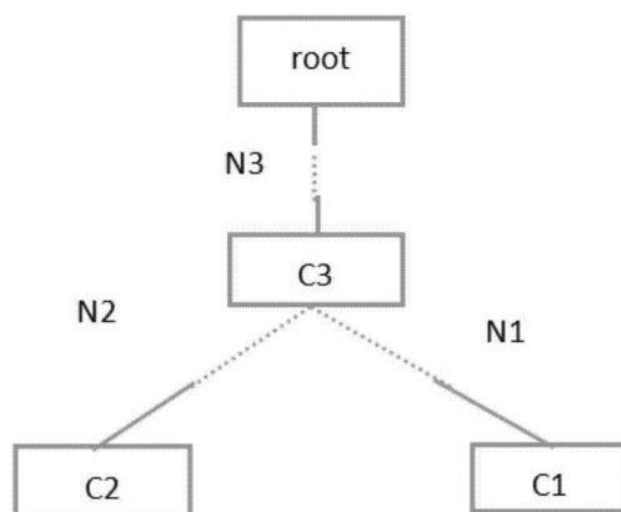
SHANDONG INSTITUTE OF MEDICINE AND HEALTH INFORMATION

72: ZHANG, RUI, JIN, XU, DUAN, YONGXUAN, SONG, YAN, FAN, JUN, GUO, LEI, ZHAO, WU, YANG, XIUYUN, XI, MIN, YUE, YUAN

54: METHOD FOR CALCULATING SEMANTIC RELATIVITY BY CONSIDERING RELATIONSHIP BETWEEN CONCEPTS

00: -

The present invention relates to a method for calculating semantic relativity by considering a relationship between concepts. On the basis of a basic similarity calculation method, a final semantic relativity calculated value is obtained in combination with a semantic degree calculated by a common relationship between two concepts and a semantic degree calculated by independent relationships between the two concepts. According to the method for calculating semantic relativity provided by the present invention, the relationships between the two concepts are fully considered and have the same attribute and respective unique attributes that are reflected in calculation; the method is closer to a human judgment result; and a calculation result is more accurate.



21: 2021/08417. 22: 2021/10/29. 43: 2022/01/13
 51: B03D

71: CENTRAL SOUTH UNIVERSITY

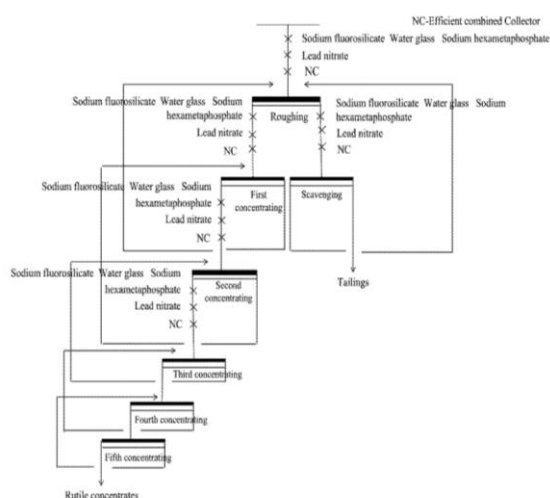
72: HUANG, Hongjun, LIU, Fangfang

33: CN 31: 202110570245.8 32: 2021-05-25

54: EFFICIENT COMBINED COLLECTOR FOR MICRO-FINE RUTILE, AND PREPARATION METHOD AND USE THEREOF

00: -

Disclosed are an efficient combined collector for micro-fine rutile and a preparation method and use thereof, belonging to the technical field of rutile flotation. In the efficient combined collector, dodecyl citrate which has good selectivity to rutile is a main collector, and linolenic acid, dodecylamine dimethylphosphonate and butyl ether oil are auxiliary collectors. A ratio of dodecyl citrate, linolenic acid, dodecylamine dimethylphosphonate, and butyl ether oil in the efficient combined collector is 5:2:2:1. The efficient combined collector can not only increase the grade of rutile concentrates obtained by separation but also ensure a recovery, and is of great significance for improving recycling of titanium resources.

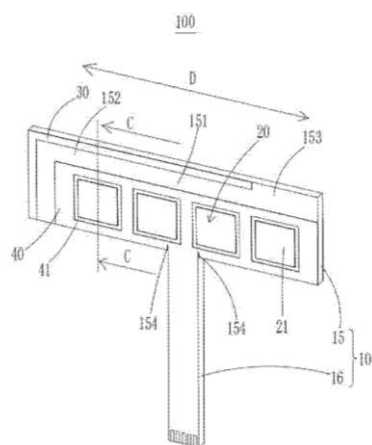


21: 2021/08418. 22: 2021/10/29. 43: 2022/01/13
51: H01Q
71: ETHETA COMMUNICATION TECHNOLOGY (SHENZHEN) CO., LTD.
72: HUANG, Huan-Chu, GAO, Dasong, QI, Zhixing, LIN, Hong, ZHOU, Yanchao
33: CN 31: 202111140115.7 32: 2021-09-28
54: FLEXIBLE ANTENNA STRUCTURE AND ELECTRONIC DEVICE

00: -

The present disclosure discloses a flexible antenna structure and an electronic device having the same. The flexible antenna structure includes a flexible printed circuit board, a mm-Wave antenna disposed on the flexible printed circuit board and conformal with the flexible printed circuit board, and a non-mm-Wave antenna disposed on the flexible printed circuit board and conformal with the flexible printed circuit

board. Compared with the existing art, by means of the flexible antenna structure provided with the mm-Wave antenna and the non-mm-Wave antenna on the flexible printed circuit board, the present disclosure realizes integration of the mm-Wave antenna and the non-mm-Wave antenna, solves a challenge of numerous antennas in the electronic device, and realizes conformation with a bent part of a shell 1, thereby increasing the space utilization rate in a limited space. Furthermore, the overall size and cost cannot be increased, thus improving the competitiveness of a product.

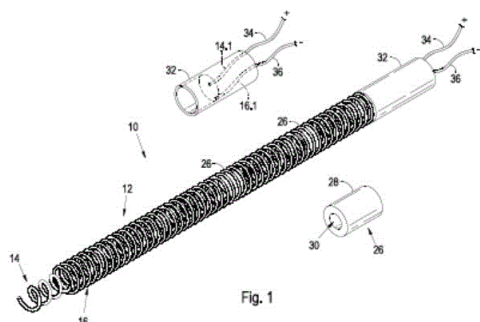


21: 2021/08419. 22: 2021/10/29. 43: 2021/12/02
51: G08B; H01B; H01H
71: ARCPRO INDUSTRIES (PTY) LTD.
72: JACKSON, Jude Gerard
33: ZA 31: 2021/01513 32: 2021-03-05
54: FLEXIBLE CO-AXIAL SENSOR ARRANGEMENT

00: -

An elongate, flexible co-axial sensor arrangement is provided, comprising an inner co-axial arrangement comprising an elongate inner coil, co-axially surrounded by an elongate outer coil, the inner and outer coils being spaced apart from each other to define an open circuit, with an end of each coil being connectable to a controller unit. An elongate flexible sheath is provided to surround or enclose the inner co-axial arrangement, so that when a predetermined trigger event occurs, the sensor arrangement gets squeezed thereby causing the inner and outer coils to touch each other, to define a short circuit, with the controller unit detecting this short circuit and being arranged to raise and/or communicate an alarm

signal. In an embodiment, at least one isolator bush is provided to space the inner and outer coils from each.

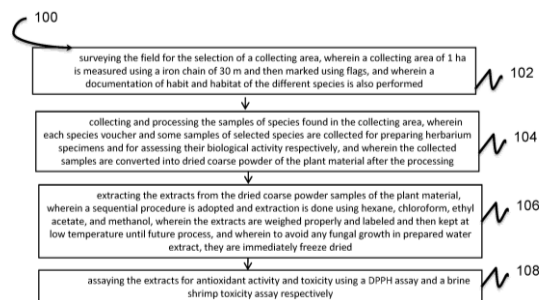


21: 2021/08423. 22: 2021/10/29. 43: 2022/01/13
51: G06F

71: SINGH, Anju, GUPTA, Ajay Kumar, TILAK, Vijay Kumar, KATIYAR, Shaswat, TIWARI, Gaurav
72: SINGH, Anju, GUPTA, Ajay Kumar, TILAK, Vijay Kumar, KATIYAR, Shaswat, TIWARI, Gaurav
54: A METHOD FOR BIODIVERSITY ASSESSMENT AND BIOLOGICAL PROFILING OF THE PERENNIAL PLANT SPECIES ON THE BASIS OF FOREST PLOT

00: -

The present disclosure relates to a method for biodiversity assessment and biological profiling of the selected plant species on the basis of forest plot. The method comprises: surveying the field; collecting and processing the samples; extracting the extracts from the samples of the plant material; and assaying the extracts for biological activities. In this disclosure an area of 1 ha is selected as a collecting area in the region of Kandi. The plot area is measure and marked, wherein in the plot total of 78 trees are found belonging to 12 different species and also 12 different species of herbs, shrubs, and climbers are found. The samples are collected from 7 species for the extraction and biological evaluation, wherein samples such as twig, bark, stem, and fruit are collected which results in the extraction of 15 different samples which are then assayed for toxicity and antioxidant activity.



21: 2021/08551. 22: 2021/11/02. 43: 2022/01/14
51: H05H

71: ALASHANKOU CUSTOMS TECHNOLOGY CENTER

72: XINMING LV, CHUNXIAO SUN, LI YANG, XINZHONG XU, DONG WANG, JIANJIANG LU

54: METHOD FOR SIMULTANEOUSLY DETERMINING 18 TRACE ELEMENTS IN SULFUR THROUGH MICROWAVE DIGESTION-INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY

00: -

The present invention relates to a method for simultaneously determining 18 trace elements in sulfur through microwave digestion-inductively coupled plasma mass spectrometry. The method includes the following steps: 1) preparing a sample; 2) preparing a sample solution; 3) setting determination times; 4) conducting a blank test; 5) drawing a working curve; and 6) conducting determination and analysis. The present invention is simple in operation, low in acid consumption and excellent in sample parallelism and repeatability, shortens digestion time, decreases sample contamination, decreases losses of volatile components, increases inspection and quarantine efficiency, ensures smooth cargo customs clearance and provides an industrial standard for the inspection and quarantine system.

21: 2021/08552. 22: 2021/11/02. 43: 2022/01/13
51: A01D; G06F

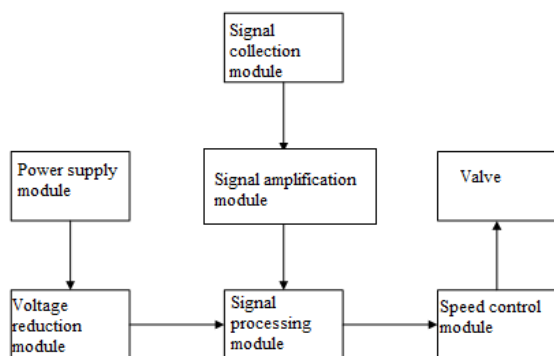
71: TARIM UNIVERSITY

72: LI, PING, SHI, BIJIAN, ZHANG, FENGKUI, RAN, JUNHUI, SHEN, YUKE, LI, JINJIN

54: AUTOMATIC SPEED-ADJUSTING DISCHARGING APPARATUS OF RED DATE PICKUP MACHINE BASED ON SINGLE CHIP MICROPROCESSOR

00: -

The present invention provides an automatic speed-adjusting discharging apparatus of a red date pickup machine based on a single chip microprocessor and relates to the improvement of an automatic speed adjusting apparatus and a discharging box body. The apparatus receives a speed adjusting signal through the discharging box body which adjusts a rotation speed of fan blades of the discharging apparatus through a hydraulic motor. A signal collection module collects the hitting number of picked red dates through a sensor and transmits the signal to the signal processing module after the signal amplification. The signal processing module converts the amplified signal and transmits the signal to a speed control module. The speed control module changes the rotation speed of the fan blades of the discharging apparatus by controlling a valve to act and then further controlling oil pump capacity of the hydraulic motor.



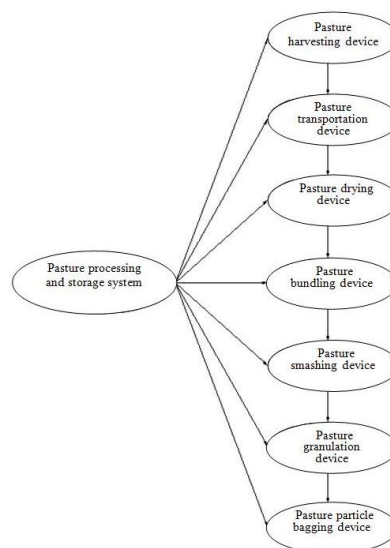
21: 2021/08604. 22: 2021/11/04. 43: 2022/01/14
51: A01K
71: GRASS AND SCIENCE INSTITUTE OF
HEILONGJIANG ACADEMY OF AGRICULTURAL
SCIENCES
72: JIANLI WANG, ZHONGBAO SHEN, JIA YOU,
WEIBO HAN, PENG ZHONG, GUILI DI, DONGMEI
ZHANG, LINLIN MU

54: PASTURE PROCESSING AND STORAGE SYSTEM FOR ANIMAL HUSBANDRY

00: -

The present invention belongs to the technical field of mechanical technologies of agriculture and animal husbandry and in particular relates to a pasture processing and storage system for animal husbandry, which comprises a pasture harvesting device, a pasture transportation device, a pasture drying device, a pasture bundling device, a pasture

smashing device, a pasture granulation device and a pasture particle bagging device. The pasture harvesting device is responsible for harvesting pasture growing in fields when the pasture grows to a best harvesting period; the pasture transportation device is responsible for transporting the harvested pasture to a processing place according to classification requirements; the pasture drying device is responsible for drying the transported pasture; and the pasture bundling device is used for bundling the dried pasture. Processed pasture particles are bagged and sealed for storage.



21: 2021/08605. 22: 2021/11/04. 43: 2022/01/14
51: A01G

71: GUYUAN BRANCH OF NINGXIA ACADEMY OF
AGRICULTURAL AND FORESTRY SCIENCES

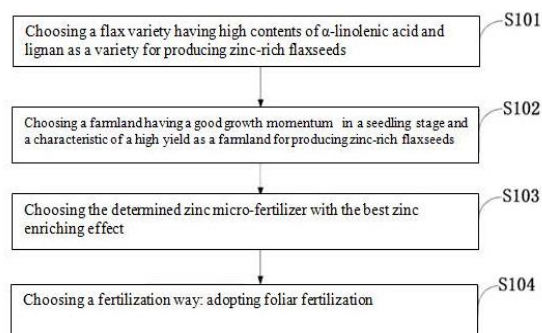
72: XIUXIA CAO, WEI ZHANG, AIPING QIAN, XIN
ZHANG, ZHIWEI YANG, QIANNAN ZHANG

54: PRODUCTION METHOD OF ZINC-RICH FLAXSEEDS

00: -

The present invention discloses a production method of zinc-rich flaxseeds. A zinc micro-fertilizer is chosen as a nutrient substance for zinc enrichment of flaxseeds; and a fertilization way is spraying on the leaves of flax plants before 11:00 a.m. and after 15:00 p.m. in sunny and windless days. In use, the zinc micro-fertilizer of a dosage for 667 m² is dissolved in a small amount of water, then mixed with 30 kg of water and stirred well, and sprayed uniformly with a sprayer, thereby significantly increasing the content of organic zinc in the

flaxseeds. The flaxseeds, rich in nutrient substances such as α -linolenic acid and lignan essential to human body, are an internationally recognized resource of high-quality natural nutritional and healthy products.



21: 2021/08606. 22: 2021/11/04. 43: 2022/01/14
51: A61K

71: ZHEJIANG SUBTROPICAL CROPS
RESEARCH INSTITUTE

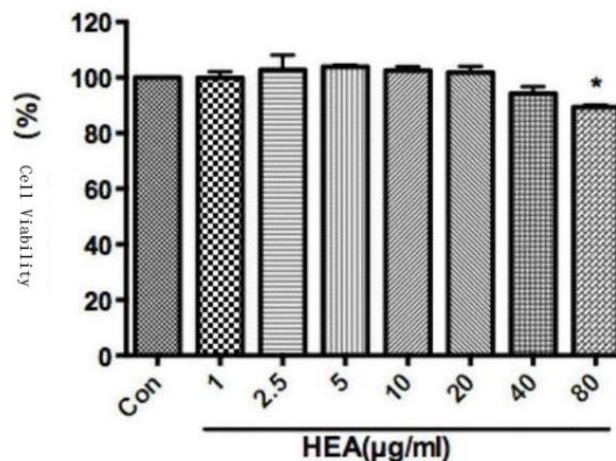
72: CHAI, YiQiu, ZHANG, SiSi

54: USE OF N6-(2-HYDROXYETHYL) ADENOSINE IN PREPARING DRUG FOR PREVENTING OR TREATING MYOCARDIAL ISCHEMIA- REPERFUSION INJURY

00: -

Disclosed is the use of an active substance N6-(2-hydroxyethyl) adenosine (HEA) in caterpillar fungus such as *isaria cicadae*, *cordycepsmilitaris*, *cordycepspruinosa*, etc. in preparing a drug for preventing or treating myocardial ischemia-reperfusion injury. A protection effect of HEA on myocardial ischemia-reperfusion injury is developed through a cell model and an animal model. HEA can effectively improve viability of cardiomyocytes after a hypoxia-reoxygenation treatment, HEA has an effect of inducing autophagy of the cardiomyocytes and restoring an autophagic flux. HEA can effectively improve a cardiac function level of rats after myocardial ischemia-reperfusion, reduce a myocardial infarct size, reduce apoptosis, improve morphology of a myocardial tissue, restore the myocardial autophagic flux, and reduce an inflammatory reaction caused by the myocardial ischemia-reperfusion by activating an A1 receptor. Experiment results prove that HEA has an effect of preventing myocardial ischemia-reperfusion injury, preventing and treating the myocardial ischemia-

reperfusion injury and preventing myocardial ischemia.



21: 2021/08614. 22: 2021/11/04. 43: 2022/01/12
51: C04B

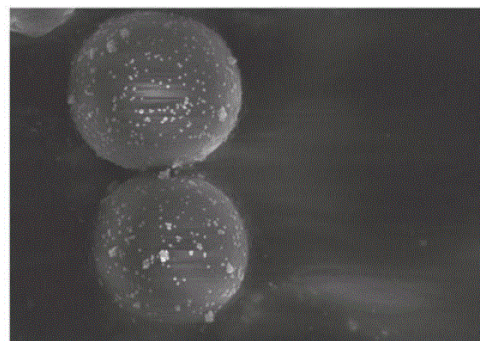
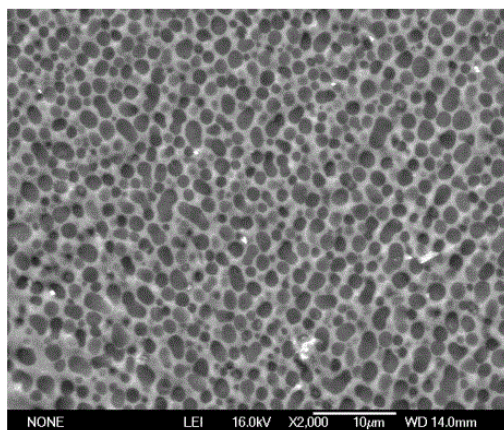
71: Qingdao University of Science and Technology,
Qingdao Liangmeiyi Ceramic New Material
Technology Co., Ltd.

72: WANG, Zhiyi, MA, Zheng, ZHANG, Jiajia,
WANG, Mingyue, WANG, Lixin

54: SYNTHETIC FLUX FOR SINTERING OF CERAMIC BODY AND PREPARATION METHOD THEREOF

00: -

The present disclosure relates to a synthetic flux for sintering of a ceramic body and a preparation method thereof, and belongs to the field of ceramic materials. The synthetic flux comprises the following chemical components: 15.0-95.0% of SiO₂, 0-20.0% of Al₂O₃, 0-15.0% of Na₂O, 2.5-46.0% of CaO, and 2.5-39.0% of P₂O₅, further comprises any one of or any combination of the following chemical components: 0-8% of TiO₂, 0-8% of ZrO₂, 0-10% of ZrSiO₄, 0-5% of Li₂O, 0-5% of AlF₃, 0-5% of MgF₂, 0-6% of ZnO, 0-10% of B₂O₃; the total amount of the above components is controlled within the range of not more than 15%. A preparation method of the synthetic flux comprises the following steps: uniformly premixing various raw materials corresponding to the chemical components, melting at 1300-1650 degrees Celsius, and performing water quenching.



21: 2021/08615. 22: 2021/11/04. 43: 2022/01/12
51: A61K; C08G

71: Qilu University of Technology
72: JIANG, Weikun, LIU, Shuyun, YANG, Mengru,
LIU, Yu, CHEN, Honglei, LV, Gaojin

33: CN 31: 202011625534.5 32: 2020-12-30

**54: HYDROGEL ELECTRODE DIAPHRAGM
SUITABLE FOR USE AS MULTI-CHANNEL
PHYSIOLOGICAL RECORD PROCESSING
SYSTEM AND METHOD**

00: -

The present disclosure relates to a hydrogel electrode diaphragm suitable for use as a multi-channel physiological record processing system, and a method. Lignin-catechol phenolic resin silver-loaded nanospheres consist of nanospheres and silver nanoparticles loaded on the outer surfaces of the nanospheres. The electrode diaphragm comprises the lignin-catechol phenolic resin silver-loaded nanosphere and a metal element, and a chelate is formed between the lignin-catechol phenolic resin silver-loaded nanosphere and the metal element. The silver-loaded nanospheres have the advantage of high mechanical strength, and the electrode diaphragm has the advantages of efficient antibacterial property, excellent conductivity, excellent self-healing property, excellent oxidation resistance, excellent antibacterial property and the like.

21: 2021/08616. 22: 2021/11/04. 43: 2022/01/12
51: G01V

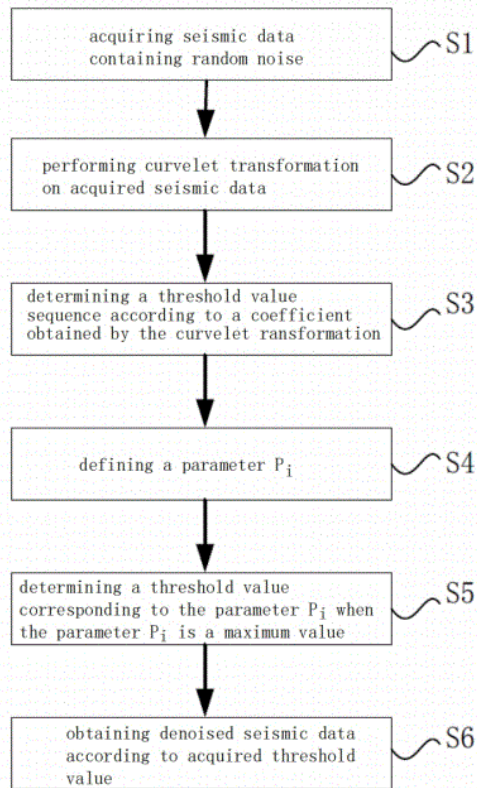
71: Hebei GEO University

72: CAO, Jingjie

**54: METHOD AND SYSTEM FOR ELIMINATING
RANDOM NOISE OF SEISMIC DATA**

00: -

The invention discloses a method for eliminating random noise of seismic data. The method comprises the following steps: acquiring seismic data containing random noise; performing curvelet transformation on the acquired seismic data; determining a threshold value sequence according to a coefficient obtained by curvelet transformation; defining a parameter P_i , wherein $P_i = \log(|x_i| + 1) + \log(|r_i| + 2)$; determining a threshold value corresponding to the parameter P_i when the parameter P_i is the maximum value; and obtaining denoised seismic data according to the threshold value. In addition, the invention correspondingly provides a system for eliminating the random noise of the seismic data. The method and the system for eliminating the random noise of the seismic data provided by the invention have the characteristics of high denoising efficiency and simplicity in denoising.



21: 2021/08617. 22: 2021/11/04. 43: 2022/01/12
51: E21D

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, Huaihe Energy Western Coal and Electricity Group Co., Ltd.

72: TU, Min, BU, Qingwei, LIU, Jiegao, FU, Baojie, YUAN, Benqing, ZHAO, Qingchong, DANG, Jiaxin, ZHAO, Gaoming, LI, Jiawen, JIN, Ningping, GAO, Xing

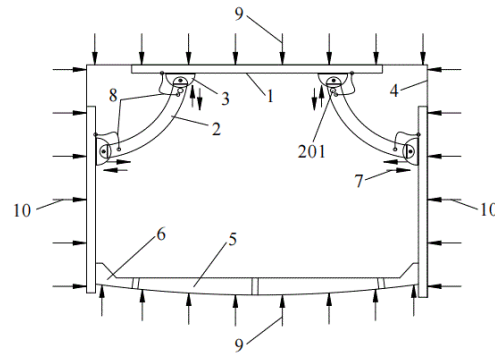
33: CN 31: 202111039266.3 32: 2021-09-06

54: MINE PRESSURE TRANSFER AND BEARING ROADWAY SUPPORT AND CONSTRUCTION METHOD

00: -

The present invention relates to a mine pressure transfer and bearing roadway support, including metal straight beams used to support a roadway deformation pressure; curved beams used to realize mutual resistance and mutual control of pressure in bidirectional mine pressure transfer, two ends of the curved beams being hinged to the metal straight beam corresponding to the roadway roof and the metal straight beams corresponding to the inner walls of the roadway walls in a one-to-one correspondence manner, hinge positions being connected by ringlike torsion connectors, and arcs of

two opposite curved beams being disposed in a manner of facing the center of a roadway; and a floor arched beam arranged at the bottom of the roadway and having a downward arch, two ends being fixed at the bottoms of the metal straight beams on the roadway walls and used to support roadway wall base angle pressures.



21: 2021/08618. 22: 2021/11/04. 43: 2022/01/12
51: E01C

71: TONGJI UNIVERSITY

72: LIU, Liping, SUN, Lijun, GAO, Jingwei, LI, Yi, WANG, Ming

54: MODIFIED MIXTURE DRY MIXING PROCESS BASED ON BUTON ROCK ASPHALT PREHEATING

00: -

The present disclosure discloses a modified mixture dry mixing process based on Buton rock asphalt (BRA) preheating, comprising the steps of heating aggregate for standby, adding heated asphalt, heated rock asphalt, and mineral powder in order, controlling the temperature of the obtained mixture, to obtain the BRA modified asphalt mixture. Compared with the prior art, the present disclosure has the characteristics of easy realization, efficient and straightforward mixing process, less amount of asphalt, and easy compaction of the mixture, etc. It can better exert the modification effect of Buton rock asphalt.

21: 2021/08619. 22: 2021/11/04. 43: 2022/01/12
51: H05B

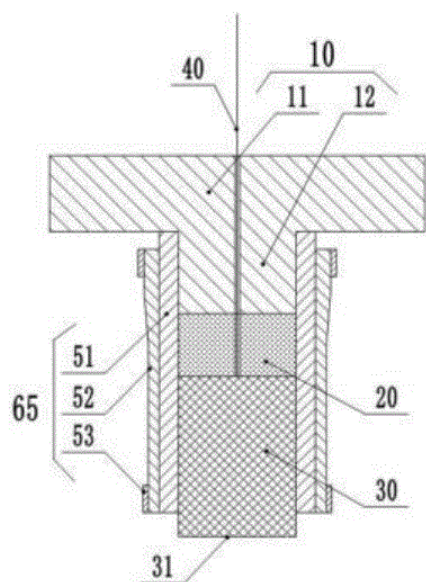
71: Institute of Geochemistry, Chinese Academy of Sciences, Shandong Gold Mining Co., Ltd., Shandong Institute of Geological Sciences

72: LIN, Sen, WU, Min, LI, Zengsheng, LI, Heping, LIU, Qingyou

54: QUASI-ISOSTATIC PRESSING ELECTRODE SEALING MECHANISM AND USING METHOD THEREOF

00: -

The present invention discloses a quasi-isostatic pressing electrode sealing structure and a using method thereof. An electrode comprises an electrode base, a tested electrode, an electrode lead and a sealing insulation assembly; the sealing insulation assembly comprises an insulation sleeve sleeved on outer ring surfaces of a second substrate and the tested electrode, and tightening pieces sleeved on the outer surface of the insulation sleeve. In working, the testing end of the tested electrode is in contact with fluid, initial sealing is formed by micro stress of the tightening pieces, and the insulation sleeve is extruded by the pressure of the water fluid, so that a sealing effect under high pressure is achieved, and the tested electrode is in a quasi-isostatic pressing state, thereby solving the problems that an existing electrode sealing mechanism causes large differential stress on the tested electrode, causing inaccurate electrochemical measurement result and limited application range.



Provided is a lattice yurt of wood prefabricated members, wherein n foundation wall lattice keel members are vertically connected through edge members to form a closed regular n -sided foundation wall; the top and bottom of the n -shaped foundation wall are respectively connected with the fiber-reinforced top annular board of foundation wall and the fiber-reinforced bottom annular board of foundation wall by the first mortise-tenon structure, and the top annular member is connected with the fiber-reinforced top cone by the first mortise-tenon structure; top parts of n inclined roof keel members are respectively connected with fiber-reinforced top cones by first mortise-tenon structure, and bottom parts are respectively connected with fiber-reinforced foundation wall composite top annular board by first mortise-tenon structure; the foundation wall lattice keel member and the inclined roof lattice keel member comprise lattice spaces which can be selectively filled with weather-resistant members and/or waterproof members. The lattice yurt of the wooden prefabricated component improves the integrity of fabrication and connection, and the application of the keel component improves the convenience of use.

21: 2021/08620. 22: 2021/11/04. 43: 2022/01/12

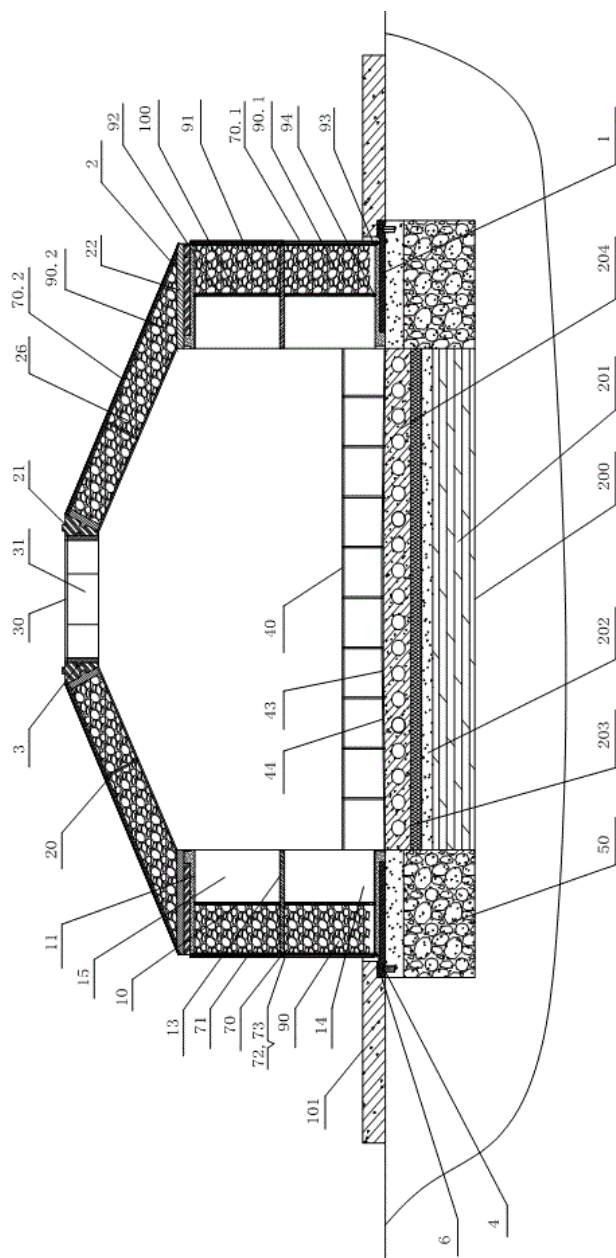
51: E02D

71: Inner Mongolia University of Technology

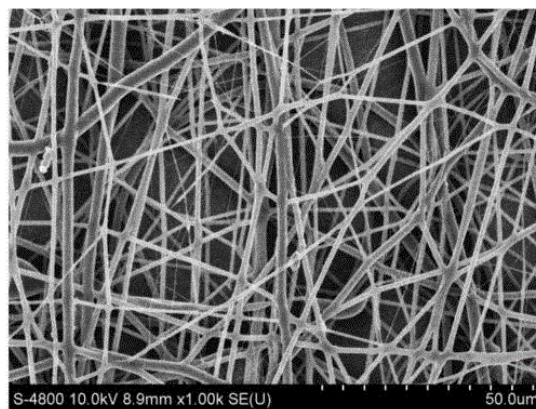
72: Bai Liyan, Li Yunwei, Liu Chunyan

54: BOARD LATTICE FABRICATED YURT AND CONSTRUCTION METHOD THEREOF

00: -



composite fiber membrane, which is a conjugated electrospinning method. The present disclosure overcomes the shortcomings of the poor compatibility, high cost, and inconsistent spinning caused by solute deposition or too high concentration that easily occur when preparing polypropylene carbonate/polylactic acid composite fiber membranes. Through preferable mass ratio of polypropylene carbonate and polylactic acid together with preferable conjugate electrospinning parameters, a polypropylene carbonate/polylactic acid composite fiber membrane with relatively uniform fiber diameter and uniform porous distribution is prepared.



21: 2021/08621. 22: 2021/11/04. 43: 2022/01/12

51: D01D; D01F; D04H

71: JIAXING UNIVERSITY

72: XI, Man, JIANG, Yang, CHENG, Fengmei, LI, Haidong

54: METHOD FOR PREPARING POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE AND POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE PREPARED USING SAME

00: -

The present disclosure relates to a method for preparing a polypropylene carbonate/polylactic acid

21: 2021/08622. 22: 2021/11/04. 43: 2022/01/12

51: A01K

71: Northeast Agricultural University

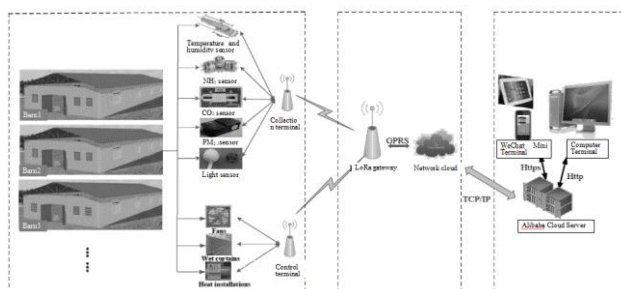
72: Shen Weizheng, Fu Xiao, Gao Meng, Yan Shichao, Ma Wenchuan, Zhang Yi, Xiong Benhai

54: SYSTEM AND METHOD FOR REMOTE MONITORING OF LIVESTOCK HOUSE ENVIRONMENT BASED ON LORA WIRELESS WIDE AREA NETWORK TECHNOLOGY

00: -

The invention discloses a system and method for remote monitoring of a livestock houses environment based on LoRa wireless wide area network technology. The key is, the monitoring system includes four parts: collection terminal equipment, control terminal equipment, LoRa gateway and Alibaba Cloud server; the collection terminal equipment includes a data collection module, a LoRa communication module, and a power supply module; the control terminal equipment includes a control module, a LoRa communication module, and a power supply module; the LoRa gateway includes

a main control board module, a LoRa communication module, a network communication module, a touch screen, and a power supply module; the Alibaba server includes Mysql database and visual cloud platform; the system combines LoRa technology with GPRS technology to realize real-time collection of multiple environmental factors in the livestock houses, wireless transmission, data storage, and remote regulation of control equipment. It can provide data support and reference for the field of livestock houses environmental monitoring.



21: 2021/08623. 22: 2021/11/04. 43: 2022/01/13
51: A61K

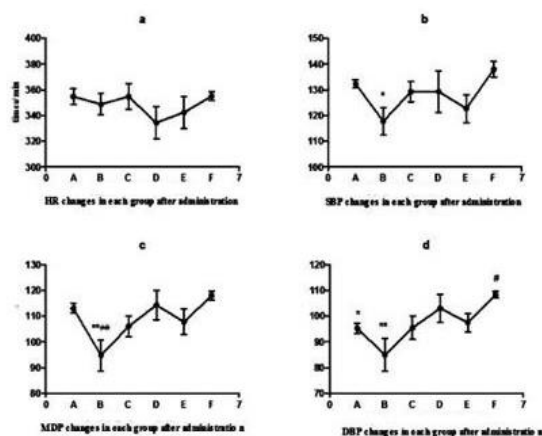
71: ZHEJIANG SUBTROPICAL CROPS
RESEARCH INSTITUTE

72: CHAI, YiQiu, ZHANG, MengLi

**54: USE OF N6-(2-HYDROXYETHYL) ADENOSINE
IN DRUG FOR TREATING HYPERTENSION**

00: -

Disclosed is use of N6-(2-hydroxyethyl) adenosine (HEA) for treating hypertension. HEA lowers a systolic blood pressure and a diastolic blood pressure through an adenosine A1 receptor, such action may be inhibited by DPCPX as an A1R antagonist. HEA may lower the content of inflammatory factors (TNF- α and IL-6) and a ureanitrogen/creatinine ratio ($P < 0.01$) in serum of a hypertensive rat. A WB test shows that HEA may up-regulate the expression amount of an eNOS protein expression and down-regulate the expression amount of an ERK1/2 protein in myocardial cells of the rat, that is HEA acts on an MAPK pathway by negatively regulating the inflammatory factors to achieve the purpose of lowering blood pressure. Research provides evidence for an isaria cicadae extract as a drug for preventing inflammation, protecting kidneys, lowering blood pressure and has important significance for extending the medicinal value of the isaria cicadae as a traditional Chinese medicine.



21: 2021/08624. 22: 2021/11/04. 43: 2022/01/12
51: E21F

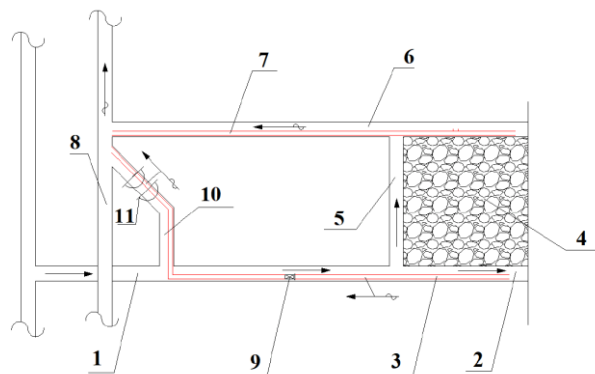
71: Guizhou University, GUIZHOU PAN JIANG
COAL AND ELECTRICITY REFCO GROUP LTD

72: Zhenqian Ma, Dongyue Zhang, Xingxing Zheng,
Wei Yang, Lang Zhou, Hongfei Xie

**54: A M-TYPE VENTILATION METHOD FOR GOB
SIDE ENTRY RETAINING FACE IN GAS
OUTBURST MINE**

00: -

The present disclosure belongs to the technical field of mining engineering, and in particular, to a M-type ventilation method for gob side entry retaining face in gas outburst mine. In the present invention, the original two roadways of the working face, the return airway (6) according to the original way as the return air lane, transport roadway (1) as both inlet and return airway. Among them, transport roadway (1) as an auxiliary return airway, return airway (6) as the main return airway. In order to realize the return air function of transportation roadway, air return pipe (3) and an extraction local fan (9) was arranged in transportation roadway (1). The air return pipe (3) from the transport roadway (1) to the auxiliary roadway (10) passes through two air doors (11) to the total return airway (8).



21: 2021/08633. 22: 2021/11/04. 43: 2022/01/12
51: A01C

71: JINAN HUAQING AGRICULTURAL
MACHINERY TECHNOLOGY CO., LTD

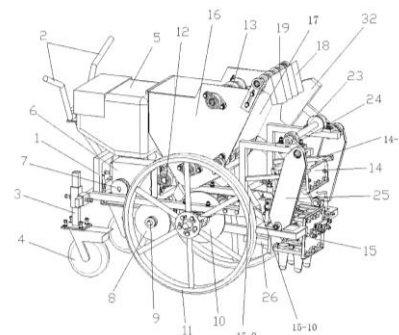
72: CHONG, Jun, ZHANG, Guanghui, LIU, Yong,
SHEN, Yongshuai, CHONG, Lu

33: CN 31: 201910770639.0 32: 2019-08-20

54: SMALL HAND-GUIDED SELF-PROPELLED GARLIC PLANTER

00: -

The present invention relates to a small hand-guided self-propelled garlic planter. The small hand-guided self-propelled garlic planter includes a rack. A driving mechanism is disposed on the rack. The driving mechanism is connected to an upright planting mechanism and a material taking mechanism in a stock bin by using a clutch mechanism. The stock bin is fixedly connected to the rack. The upright planting mechanism includes a material receiving mechanism fixed to the rack and an insertion type planting mechanism disposed below the material receiving mechanism. The insertion type planting mechanism is connected to a turnable mechanism mounted to the rack. The turnable mechanism is connected to the driving mechanism. A plurality of first feed bowls are disposed on the material receiving mechanism. The first feed bowls are connected to a first opening mechanism. A first acting member is disposed on the insertion type planting mechanism.



21: 2021/08635. 22: 2021/11/04. 43: 2022/01/12
51: A23N; B02C; B07B; B65B

71: QINGDAO UNIVERSITY OF TECHNOLOGY,
RESEARCH INSTITUTE OF AGRICULTURAL
MECHANIZATION, XINJIANG ACADEMY OF
AGRICULTURAL SCIENCES, HENAN UNIVERSITY
OF SCIENCE AND TECHNOLOGY

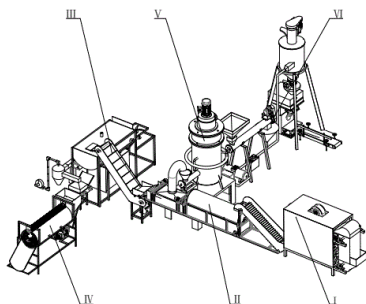
72: LI, Changhe, FENG, Yitian, LI, Xinping, LIU,
Xiangdong, TULUHON•TURDI, GAO, Lianxing,
YANG, Huimin, LIU, Mingzheng, ZHANG, Yanbin,
WANG, Xiaoming, HOU, Yali, FU, Hui, LU, Chunan,
MA, Yannan, MIAO, Guangzhen, LI, Mingchen,
WANG, Rong, JIA, Zhenming

33: CN 31: 202010285224.7 32: 2020-04-13

54: WHOLE-PROCESS PEANUT PRODUCTION LINE AND METHOD

00: -

A whole-process peanut production line and method, comprising a peanut cleaning system, a shell breaking system, a red skin removal system, a peanut kernel grading system, a superfine fine grinding system and a grading and packaging system. The first process is peanut cleaning and impurity removal. Peanut shell breaking is arranged behind peanut cleaning and impurity removal, peanut kernel red skin removal and superfine fine grinding are respectively arranged behind the peanut shell breaking, peanut kernel grading is arranged behind the peanut kernel red skin removal, and peanut shell superfine powder grading and packaging is arranged behind the peanut shell superfine grinding.



21: 2021/08690. 22: 2021/11/05. 43: 2022/01/14
51: B01F; C07D

71: ZAOZHUANG UNIVERSITY

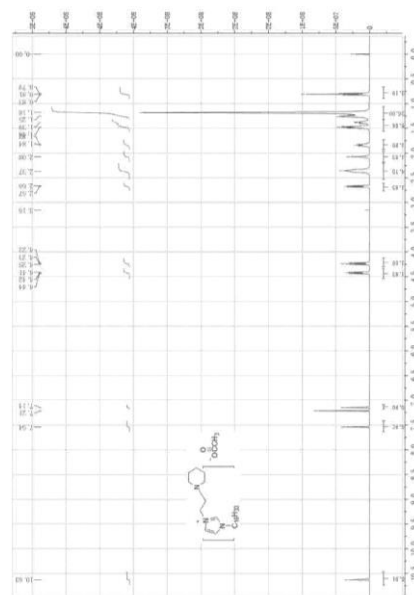
72: ZHOU, Fengyan, LIU, Changde, ZHANG, Wenzhi, ZHAO, Yuliang, CUI, Yinghang, YIN, Xinzhe

33: CN 31: 201910244446.1 32: 2019-03-28

54: A CLASS OF FUNCTIONAL IONIC LIQUIDS WITH BOTH SURFACE ACTIVITY AND DOUBLE BASICITIES AND THEIR PREPARATIONS

00: -

The invention relates to a class of functional ionic liquids, with both surface activity and double basicities, and their preparation. The synthesis of the surface active and double alkaline ionic liquids in the invention includes three steps. Firstly, N-alkylimidazoles are obtained by coupling of imidazole with long-chain alkyl halides in alkaline condition. Then ionic halides, chloride-1-alkyl-3-(2-piperidoethyl) imidazole hydrochlorides, are obtained by quaterisation of N-alkyl imidazoles with 1-(2-chloroethyl) piperidine hydrochloride. Finally, the functional ionic liquids with both surface activity and double basicities are obtained by anion exchange reactions. The reaction conditions are mild and the post-treatments are simple. The synthesized ionic liquids not only have the functions of Lewis base and Bronst base, but also have the function of surface activity.



21: 2021/08737. 22: 2021/11/08. 43: 2022/01/17

51: G06F

71: SHANDONG EVAYINFO TECHNOLOGY CO., LTD

72: LI, Zhao, ZHANG, Chao, XIN, Guomao, WU, Shiwei, CHEN, Tong, WANG, Ruishuang

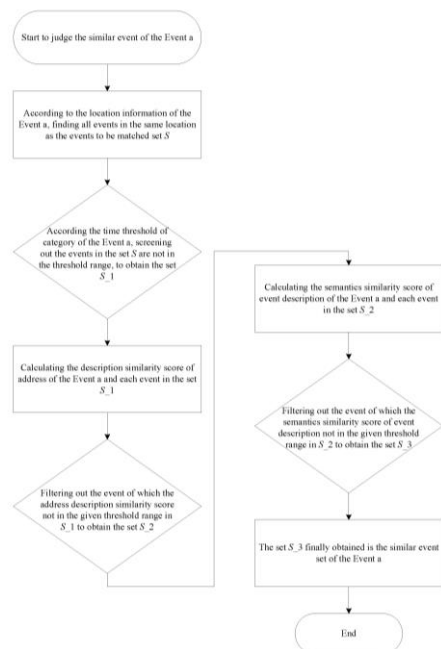
33: CN 31: 202111137753.3 32: 2021-09-27

54: JUDGMENT METHOD AND SYSTEM FOR SIMILAR EVENTS

00: -

The present invention discloses a judgment method for similar events, including: determining a location information of an event to be judged according to a tag ID of the event to be judged, and obtaining all events in the location based on the location information of the event to be judged to form a events to be matched set; modifying the events to be matched set to obtain a final similar events set; calculating an event address description similarity score and an event description semantics similarity score of each event in the final similar event set respectively, and averaging the description similarity score of event address and the semantics similarity score of event description to obtain the final similarity score; sorting the final similarity scores of events in the final similar event set to form a list of similar events; in the present invention, user only needs to input the ID of the similar event to be matched, the description similarity score of event address and the semantics similarity score of event description of the events to be matched to find all

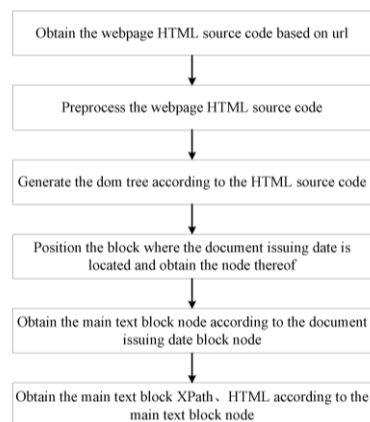
similar events within the threshold range, and can sort the similar events according to the similarity.



21: 2021/08738. 22: 2021/11/08. 43: 2022/01/17
 51: G06F
 71: SHANDONG EVAYINFO TECHNOLOGY CO., LTD
 72: XIN, Guomao, WANG, Ruishuang, WU, Shiwei, CHEN, Tong, LU, Feng, YANG, Chun
 33: CN 31: 202110719543.9 32: 2021-06-28
54: METHOD, SYSTEM, MEDIUM AND ELECTRONIC EQUIPMENT FOR WEBPAGE MAIN TEXT ANALYSIS
 00: -

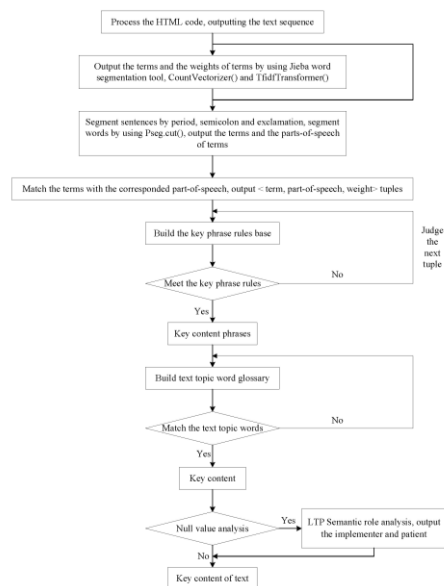
The disclosure provides a method and a system, medium and electronic equipment for webpage main text analysis, including: obtaining a webpage HTML source code; preprocessing the webpage HTML source code; generating a document object model tree according to the preprocessed webpage HTML source code; according to the obtained document object model tree, positioning a block where the document issuing date is located and obtaining a node thereof; obtaining a node of main text block according to the node of the document issuing date block; obtaining a main text block XPath and a main text block HTML according to the main text block node; the present disclosure solves the problem of low-density webpage main text extraction, improves

the extraction accuracy of webpage main text and work efficiency, saves the labor cost.



21: 2021/08739. 22: 2021/11/08. 43: 2022/01/17
 51: G06F
 71: SHANDONG EVAYINFO TECHNOLOGY CO., LTD
 72: WU, Shiwei, LU, Feng, CHEN, Tong, LI, Zhao, LI, Huijuan, XIN, Guomao, HU, Chuanhui, WANG, Ruishuang, SUN, Hao, GONG, Chuanhua
 33: CN 31: 202110316125.5 32: 2021-03-24
54: METHOD AND SYSTEM FOR INTELLIGENT EXTRACTION OF KEY CONTENT OF TEXT BASED ON TOPIC WORD OPTIMIZATION
 00: -

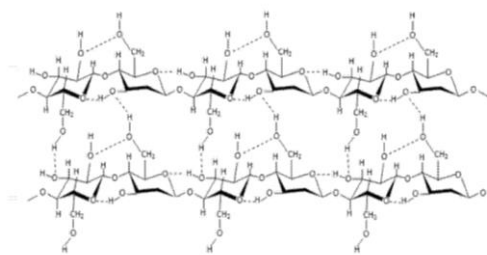
The present disclosure discloses a method and system for intelligent extraction of key content of text based on topic word optimization, including: obtaining a text to be identified; performing a chapter-level word segmentation for the text to be identified, obtaining chapter-level terms and a weight of each the chapter-level term; performing a paragraph-level word segmentation for the text to be identified, obtaining paragraph-level terms and a part-of-speech of each the paragraph-level term; matching the chapter-level terms and the weight of the chapter-level terms with the paragraph-level terms and the part-of-speech of the paragraph-level terms, outputting a tuple containing the terms, the parts-of-speech, and the weights; matching the tuple containing the terms, the parts-of-speech, and the weights with a key phrase rule base, obtaining the key phrases meeting the rule; obtaining a key content of text according to the key phrases.



21: 2021/08740. 22: 2021/11/08. 43: 2022/01/17
 51: C08L
 71: SHAN DONG NAMEIDE BIOTECHNOLOGY CO., LTD.
 72: SU, Hongxia, LIANG, He, ZHANG, Xuehong, LI, Yuping, LIU, Jingjun
 33: CN 31: 202111226886.8 32: 2021-10-21
54: HIGH-REHYDRATION AND HIGH-SWELLING-PROPERTY BACTERIAL CELLULOSE HALF-DRY FILM AS WELL AS PREPARATION METHOD THEREOF AND APPLICATION THEREOF
 00: -

The present invention belongs to the field of biological materials, and particularly relates to a high-rehydration and high-swelling-property bacterial cellulose half-dry film as well as a preparation method therefor and an application thereof. In order to solve the problems that a dried gel film is lower in strength, poor in rehydration capacity and also has toxicity in the existing bacterial cellulose film treatment technology, the present invention discloses the high-rehydration and high-swelling-property bacterial cellulose half-dry film as well as the preparation method therefor and an application thereof. Through the alternate action of physical positive pressure and negative pressure, the structure of a bacterial cellulose wet film is adjusted; and during the drying process, surface groups do not basically change, no other substance is introduced, the good characteristics of bacterial cellulose cannot

be destroyed, such that the naturality of this type of biological material is kept.



21: 2021/08741. 22: 2021/11/08. 43: 2022/01/17
 51: A61K

71: SHAN DONG NAMEIDE BIOTECHNOLOGY CO., LTD.

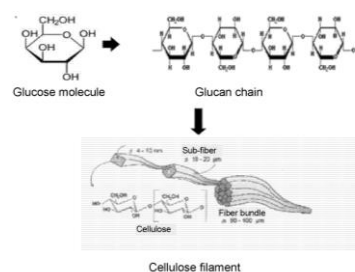
72: SU, Hongxia, WANG, Xiaochen, CAI, Yuwen, ZHANG, Jie, CHENG, Yu, SUN, Xin, LIU Jingjun

33: CN 31: 202011636899.8 32: 2020-12-31

54: LIQUID DRESSING, COMPOSITION FOR EXTERNAL USE ON SKIN AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention specifically relates to a liquid dressing, a composition for external use on skin, and a preparation method and application thereof. The primary factor that contributes to skin sensitivity is the damage of the skin barrier function, which leads to inflammation when the skin is subject to external stimuli. The invention provides a liquid dressing, which can serve as a temporary skin substitute and form a skin barrier to reduce the damage of sensitive skin. The liquid dressing is prepared by fermentation of mixed strains during a simple and efficient process. The liquid dressing of the invention can be applied to skin repairing medicines or household chemicals, boasting broad application prospects.



21: 2021/08742. 22: 2021/11/08. 43: 2022/01/17

51: C08L

71: SHAN DONG NAMEIDE BIOTECHNOLOGY CO., LTD.

72: LING, Zexing, CHAI, Qian, TANG, Zhigang, FANG, Lili, SHANG, Bo, ZHANG, Xuehong, LIANG, He, LIU, Jingjun

33: CN 31: 202011599494.1 32: 2020-12-29

54: METHOD FOR RAPID FERMENTATION AND INDUSTRIALIZED PRODUCTION OF BACTERIAL CELLULOSE

00: -

The present invention belongs to the field of microorganisms, and particularly relates to a method for rapid fermentation and industrialized production of bacterial cellulose. According to the method, cellulase is added into a seed culture medium, a fermentation tank is utilized to rapidly cultivate a large number of bacterial strains, and a cellulase inhibitor is added during a static fermentation membrane production stage, such that cellulose produced by the bacterial strains can be rapidly accumulated in a large amount, and then form cellulose membranes. In the present invention, by improving compositions of the culture medium, the fermentation tank is utilized to rapidly increase the amount of bacteria in the case of reducing the production of the cellulose, and during static fermentation, by inhibiting the effect of the cellulase, the rapid production of the cellulose membranes is guaranteed, and flat surfaces of the cellulose membranes can be guaranteed.

21: 2021/08746. 22: 2021/11/04. 43: 2022/01/17

51: A24F

71: XIAMEN FENGTAO CERAMICS CO., LTD

72: ZHU, XIAOHUA, XIONG, ZHAORONG, FU, ZENGXUE, YU, XIANGYI, LIU, MAOQI

33: CN 31: 201920703370.X 32: 2019-05-16

33: CN 31: 201921496300.8 32: 2019-09-10

33: CN 31: 201921496320.5 32: 2019-09-10

33: CN 31: 201921496452.8 32: 2019-09-10

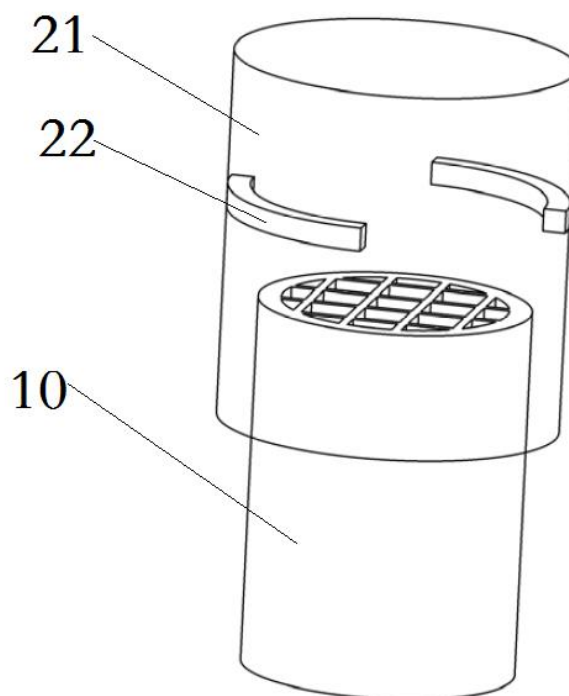
33: CN 31: 201910851072.X 32: 2019-09-10

54: NON-CONTACT HEAT NOT BURN HEATING DEVICE

00: -

The present invention discloses a non-contact heat not burn heating device which comprises a ceramic heating element and a smoking product bearing assembly, wherein the ceramic heating element comprises a heating body and a heating circuit. The heating body is cylindrical and internally provided

with a porous channel. The heating circuit is arranged on the heating body to heat air passing through the porous channel. The smoking product bearing assembly comprises a preheating tube and a blocking piece which is arranged in a cavity defined by the preheating tube to divide the cavity into a first and second cavity. The first cavity is used for placing and preheating the smoking product. The second cavity is used for placing at least one part of the ceramic heating element which is arranged in the cavity defined by the preheating tube.



21: 2021/08857. 22: 2021/11/10. 43: 2022/01/14

51: G01N; A01P

71: HEILONGJIANG BAYI AGRICULTURAL UNIVERSITY

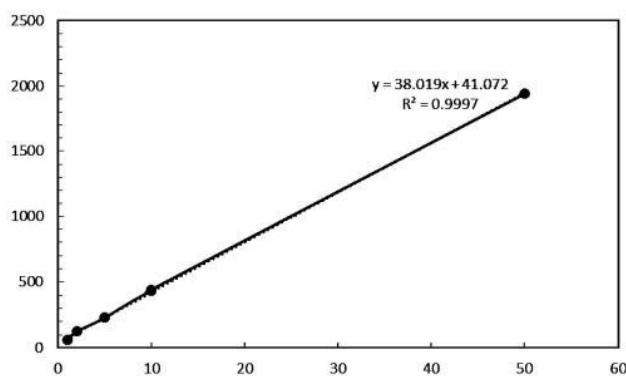
72: TANG, HUACHENG, WANG, WEIHAO, CAO, DONGMEI, QU, JIANGLING

54: METHOD FOR DETECTING QUIZALOFOP-P-ETHYL RESIDUAL QUANTITY IN VIGNA UMBELLATA

00: -

The present invention relates to a method for detecting quizalofop-p-ethyl residual quantity in Vigna umbellata. The method comprises: firstly, pretreating Vigna umbellata by adopting a QuEChERS-pretreatment method of extracting by acetic acid acetonitrile, drying by sodium chloride

and anhydrous magnesium sulfate, and purifying by primary secondary amine, then detecting quizalofop-p-ethyl by a high-performance liquid chromatograph in cooperation with a DAD, and finally performing quantitative analysis and qualitative analysis. The QuEChERS-pretreatment method of the present invention is high in analysis speed, can complete the treatment of a *Vigna umbellata* sample within 30 min. Quizalofop-p-ethyl in *Vigna umbellata* is rapidly and efficiently detected by only selecting the high-performance liquid chromatograph in cooperation with the DAD so that the purification effect is good, accuracy and precision meet the residue analysis requirements.



21: 2021/09082. 22: 2021/11/15. 43: 2022/01/13
51: G05B

71: BEIJING NORMAL UNIVERSITY

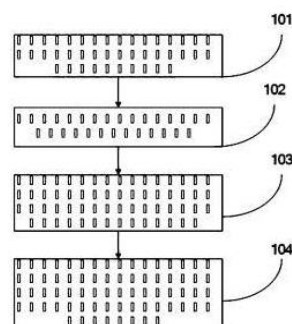
72: JINBO ZHAO, LEI CHEN, XUEHUI ZHOU

54: INTELLIGENT MONITORING, PREVENTION AND CONTROL METHOD AND SYSTEM FOR ECOLOGICAL REGION

00: -

The invention provides an intelligent monitoring, prevention and control method and system for an ecological region. The method includes the following steps of: automatically collecting water samples detained in farmland soil, water samples detained in an ecological ditch and water samples at the inlet and the outlet of an artificial wetland, and obtaining relevant water quality indexes in each water sample; and then automatically detecting partial water quality index in that ecological ditches and partial water quality indexes at the outlet of the artificial wetland, determine corresponding prevention and control technologies according to the relevant water quality indexes in the obtained water samples and the partial water quality indexes in the automatically detected ecological ditches and the partially water

quality indicators at the outlet of the artificial wetland, and evaluating the effects of the prevention and control technologies in the ecological areas.



21: 2021/09083. 22: 2021/11/15. 43: 2021/11/23

51: E21D; E21F; G01B; G01D

71: Mining Product Developments (Pty) Ltd

72: PIENAAR, Frans Roelof Petrus, HOWELL, Mark

33: ZA 31: 2020/05033 32: 2020-08-14

54: MEANS TO MONITOR CLOSURE IN MINES

00: -

The invention relates to a closure detection device 10 which comprises an external housing made up of a base 20 and a body 22. The body 22 is preferably formed from a translucent plastics material and it includes a window opening 24. The device 10 further includes a reflected beam ranging device and programmable logic means. The ranging device is configured to measure the separation distance between a reference surface and a target surface, such as hanging walls and foot walls in a mine. The device 10 can be mounted to the reference surface by a baseplate 25 secured to the base 20. The programmable logic means is configured to continuously receive separation distance values from the ranging device and generate a report in the event that a variation in the received separation distance values exceeds a programmed variation threshold.

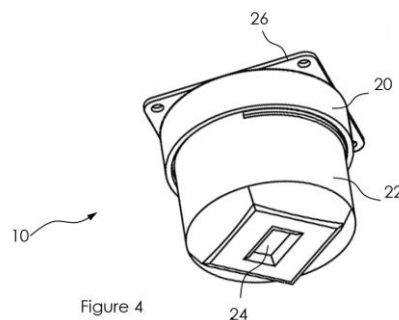


Figure 4

21: 2021/09262. 22: 2021/11/18. 43: 2021/11/24
51: B65D

71: SACMI COOPERATIVA MECCANICI IMOLA
SOCIETÀ COOPERATIVA

72: BASSI, VITTORIO, FALZONI, ALESSANDRO

33: IT 31: 102019000013671 32: 2019-08-01

54: CLOSING CAP FOR A CONTAINER AND RELATIVE PRODUCTION METHOD

00: -

Described is a closing cap (1) for a container (2), which comprises a lateral wall (3) extending about an axis (Z) and a transversal wall (4) positioned at an end of the lateral wall (3), a separation line (5) being provided on the lateral wall (3) to form a retaining ring (301), which is configured to remain anchored to a neck (201) of the container (2) and extends up to a free edge (304), and a closing element (302) removably engageable with the neck (201), so as to open or close the container (2). The separation line (5) extends about the axis (Z) and is circumferentially interrupted to form in the lateral wall (3) a joining zone (305), which extends for a first angle (α), in which the retaining ring (301) and the closing element (302) are joined. The cap (1) comprises a tab (308), made in the joining zone (305), which extends circumferentially for a second angle (β) and is connected to the joining zone (305); the retaining ring (301) comprising a retaining portion (303) and a free portion (306), wherein the retaining portion (303) comprises an engaging element configured to engage internally with a locking ring (202) of the neck (201) during a passage from a closed condition to an open condition of the closing element (302), and wherein the free portion (306) comprises a movement element which extends circumferentially at least in the second angle (β) and is configured, during said passage, to allow a movement of the free portion (306) along an axis parallel to the axis (Z).

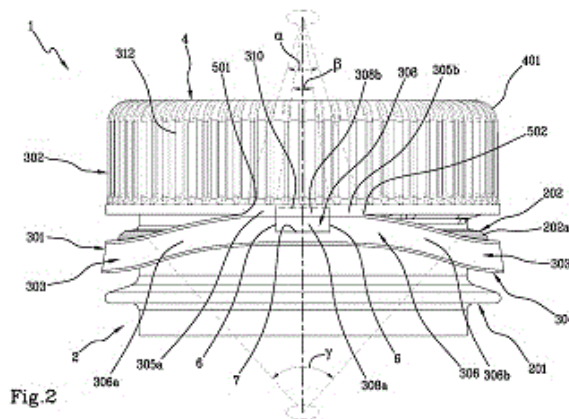


Fig. 2

21: 2021/09292. 22: 2021/11/19. 43: 2021/11/24
51: B65D

71: SACMI COOPERATIVA MECCANICI IMOLA
SOCIETÀ COOPERATIVA

72: VITALI, PAOLO, FALZONI, ALESSANDRO

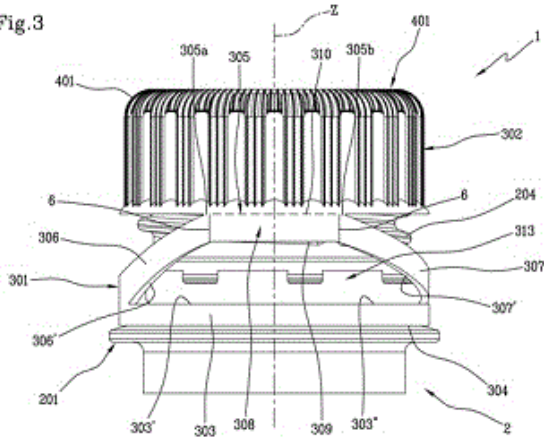
33: IT 31: 102020000030608 32: 2020-12-11

54: CAP FOR A CONTAINER

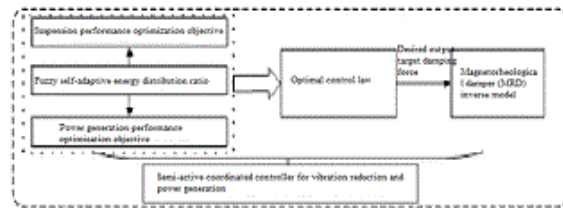
00: -

A closing cap for a container comprises a lateral wall extending about an axis. A separation line on the lateral wall defines a retaining ring configured to engage internally with a ring for locking the container. A closing element is removably engageable with the neck to open or close the container. The separation line is circumferentially interrupted to define a joining zone in which the retaining ring and the closing element are joined. An incision line on the lateral wall defines, in association with the separation line at least a first connecting band and a second connecting band for connecting together the joining zone and the retaining portion. The incision line comprises a first lateral stretch which defines, with a first part of the separation line, the first connecting band and a second lateral stretch which defines, with a second part of the separation line, the second connecting band.

Fig.3



damper, and the method is high in universality and easy to implement.



21: 2021/09310. 22: 2021/11/19. 43: 2021/11/24
 51: B60G
 71: NANJING NORMAL UNIVERSITY
 72: ZHANG, HAILONG, ZHAI, XINGFENG, WANG,
 ENRONG, CHU, SHUNAN, JI, RUNZE
 33: CN 31: 201910367046.X 32: 2019-05-05
**54: SEMI-ACTIVE COORDINATION CONTROL
 METHOD FOR VIBRATION REDUCTION AND
 POWER GENERATION OF
 MAGNETORHEOLOGICAL ENERGY-
 REGENERATIVE SUSPENSION**

00: -

A semi-active coordination control method for vibration reduction and power generation of a magnetorheological energy-regenerative suspension. A magnetorheological damper and an energy-regenerative generator are installed in parallel between the sprung mass and the unsprung mass, and a controller calculates a driving current required by the magnetorheological damper according to a vehicle operating state signal and a power generation state signal of the energy-regenerative generator which are acquired in real time, so as to achieve optimal coordination control over vibration reduction and power generation of the suspension. According to the method, an optimal control law for vibration reduction and power generation based on an adaptive energy distribution rate is proposed, a semi-active coordination control strategy for vibration reduction and power generation of a magnetorheological energy-regenerative suspension is designed in combination with an inverse magnetorheological damper model, optimal vibration reduction and power generation integrated suspension performance of a system can be achieved by controlling the magnetorheological

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

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

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2021/12/20 -

A2021/01543 - ESSITY HYGIENE AND HEALTH AKTIEBOLAG Class 24. SANITARY NAPKIN

A2021/01546 - Société des Produits Nestlé S.A. Class 7. COFFEE MACHINES

A2021/01544 - ESSITY HYGIENE AND HEALTH AKTIEBOLAG Class 24. SANITARY NAPKIN

A2021/01545 - ESSITY HYGIENE AND HEALTH AKTIEBOLAG Class 24. SANITARY NAPKIN

. - APPLIED ON 2021/12/21 -

F2021/01547 - POYNTING ANTENNAS (PTY) LIMITED Class 14. RADIATOR ASSEMBLY FOR A SIGNAL DISTRIBUTION SYSTEM

A2021/01549 - GREEN OX PALLET TECHNOLOGY, LLC Class 9. FOLDABLY CONSTRUCTED REINFORCEABLE PALLET BOTTOM

A2021/01548 - GREEN OX PALLET TECHNOLOGY, LLC Class 9. FOLDABLY CONSTRUCTED REINFORCEABLE PALLET BOTTOM

. - APPLIED ON 2021/12/22 -

A2021/01553 - Protecop Class 29. VESTS

A2021/01557 - APL CARTONS (PTY) LTD, GRAND PLASTICS (PTY) LTD Class 09. CONTAINER

A2021/01551 - MONTRES TUDOR SA Class 10. CLASP FOR A WATCH BRACELET

F2021/01559 - VAN NIEROP, Simon Class 21. ROOFTOP TENT STRUCTURE FOR VEHICLE

F2021/01550 - IMS Engineering (Pty) Ltd Class 8. TOOL

F2021/01558 - APL CARTONS (PTY) LTD, GRAND PLASTICS (PTY) LTD Class 09. CONTAINER

A2021/01556 - Protecop Class 29. VESTS

A2021/01555 - Protecop Class 29. VESTS

A2021/01552 - MONTRES TUDOR SA Class 10. CLASP FOR A WATCH BRACELET

A2021/01554 - Protecop Class 29. VESTS

. - APPLIED ON 2021/12/23 -

A2021/01560 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

F2021/01564 - SIBISI, PHUMLANI ERICK Class 14. A COOLER

A2021/01561 - SIBISI, PHUMLANI ERICK Class 07. A COOLER

F2021/01562 - SIBISI, PHUMLANI ERICK Class 07. A COOLER

A2021/01563 - SIBISI, PHUMLANI ERICK Class 14. A COOLER

- APPLIED ON 2022/01/03 -

A2022/00005 - LUPIN INC. Class 24. APPLICATOR FOR IMPLANTABLE DRUG DELIVERY

A2022/00003 - LUPIN INC. Class 24. APPLICATOR FOR IMPLANTABLE DRUG DELIVERY

A2022/00004 - LUPIN INC. Class 24. APPLICATOR FOR IMPLANTABLE DRUG DELIVERY

A2022/00001 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2022/00002 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

- APPLIED ON 2022/01/04 -

A2022/00006 - Mmabatho Katiso Moshoeshoe Class 02. TSIVENDA CARDIGAN 1

F2022/00010 - ALLFLEX EUROPE SAS Class 30. ANIMAL IDENTIFICATION TAG

F2022/00009 - ALLFLEX EUROPE SAS Class 30. ANIMAL IDENTIFICATION TAG

A2022/00008 - INTRADIN (SHANGHAI) MACHINERY CO., LTD. Class 31. ELECTRIC SAUSAGE FILLER / SAUSAGE STUFFER

A2022/00007 - Mmabatho Katiso Moshoeshoe Class 02. TSITSONGA CARDIGAN 1

- APPLIED ON 2022/01/05 -

A2022/00013 - Group Lotus Limited Class 12. VEHICLE BONNETS

A2022/00014 - Group Lotus Limited Class 12. DASHBOARDS FOR VEHICLES

A2022/00011 - Group Lotus Limited Class 12. VEHICLES

A2022/00012 - Group Lotus Limited Class 21. VEHICLES

A2022/00015 - Group Lotus Limited Class 12. CENTRAL CONSOLES FOR VEHICLES

A2022/00016 - Group Lotus Limited Class 12. STEERING WHEELS

A2022/00017 - Group Lotus Limited Class 12. GEAR LEVERS

- APPLIED ON 2022/01/06 -

A2022/00021 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

F2022/00027 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

F2022/00022 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

A2022/00018 - FÉDÉRATION FRANÇAISE DE RUGBY, GMF ASSURANCES Class 2. SPORT BIB

F2022/00020 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

F2022/00025 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

A2022/00019 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

A2022/00026 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

A2022/00023 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

F2022/00024 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

A2022/00028 - FLENDER GMBH Class 13. GEAR FOR AN ELECTRICAL MOTOR

. - APPLIED ON 2022/01/07 -

A2022/00029 - JJ Govender Class 13. THE HYDROGEN AND SOLAR CAPSULE SHIP ISLANDS (DAISY)

F2022/00030 - JJ Govender Class 13. THE SOLAR CAPSULE AND HYDROGEN POD SHIP ISLANDS

A2022/00032 - Honda Motor Co., Ltd. Class 13. GENERATORS

F2022/00031 - Nipro Corporation Class 24. BODY-FLUID TREATMENT KITS

A2022/00034 - GUO, CHANGLAI Class 14. MOBILE PHONE BRACKET

A2022/00033 - GUO, CHANGLAI Class 14. MOBILE PHONE BRACKET

. - APPLIED ON 2022/01/11 -

A2022/00035 - THULE SWEDEN AB Class 12. CARGO PLATFORM

. - APPLIED ON 2022/01/12 -

A2022/00037 - FORD GLOBAL TECHNOLOGIES, LLC Class 21. TOY VEHICLE

A2022/00036 - FORD GLOBAL TECHNOLOGIES, LLC Class 12. MOTOR VEHICLE

. - APPLIED ON 2022/01/13 -

A2022/00042 - WHEEL PROS, LLC Class 12. WHEEL

A2022/00038 - JJ Govender Class 13. THE ARK OF PARABOLICS SHIP ISLAND

A2022/00044 - WHEEL PROS, LLC Class 12. WHEEL

A2022/00041 - WHEEL PROS, LLC Class 12. WHEEL

A2022/00043 - WHEEL PROS, LLC Class 12. WHEEL

A2022/00039 - Sky CP Limited Class 14. ELECTRONIC DEVICES

A2022/00040 - WHEEL PROS, LLC Class 12. WHEEL

. - APPLIED ON 2022/01/14 -

A2022/00045 - LONDON MEDICAL LABORATORY LIMITED Class 09. PACKAGING

A2022/00046 - Dr. Ing. h.c. F. Porsche Aktiengesellschaft Class 12. AUTOMOBILES

. - APPLIED ON 2022/01/17 -

A2022/00049 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2022/00052 - KAETEL SYSTEMS GMBH Class 14. HEADPHONES

A2022/00051 - KAETEL SYSTEMS GMBH Class 14. HEADPHONE EARPIECE

A2022/00050 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2022/00048 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

A2022/00047 - PHILIP MORRIS PRODUCTS S.A. Class 27. AEROSOL GENERATING DEVICE, IN PARTICULAR TOBACCO HEATING DEVICE

. - APPLIED ON 2022/01/18 -

F2022/00053 - GESUALDO, ESTEBAN Class 14. FIBER OPTIC CONNECTOR BOX

A2022/00055 - SLIK X (PTY) LTD Class 09. BOTTLE

A2022/00054 - HONDA MOTOR CO., LTD. Class 12. AUTOMOBILE

. - APPLIED ON 2022/01/20 -

A2022/00057 - Alpro, commanditaire vennootschap op aandelen Class 9. PACKAGING

A2022/00058 - TCHIBO GMBH Class 9. COFFEE CAPSULE

A2022/00056 - TaeguTec Ltd. Class 8. CUTTING INSERTS

. - APPLIED ON 2022/01/21 -

A2022/00060 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 14. SET OF DISPLAY SCREENS OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE

A2022/00062 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 14. SET OF DISPLAY SCREENS OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE

A2022/00061 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 14. SET OF DISPLAY SCREENS OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE

A2022/00065 - Philips Domestic Appliances Holding B.V. Class 07. PRESSURE COOKER

A2022/00066 - Philips Domestic Appliances Holding B.V. Class 07. PRESSURE COOKER

A2022/00059 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 10. SPRAY SENSOR

A2022/00067 - Philips Domestic Appliances Holding B.V. Class 07. PRESSURE COOKER

A2022/00064 - Philips Domestic Appliances Holding B.V. Class 07. PRESSURE COOKER

A2022/00063 - INTELLIGENT AGRICULTURAL SOLUTIONS LLC Class 14. SET OF DISPLAY SCREENS OR PORTION THEREOF WITH A GRAPHICAL USER INTERFACE

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

No records available

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

No records available

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page. (Payment to be affected by revenue stamps only.)

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: A2018/01429 22: 2018-09-14 23:

43: 2018-09-14

52: Class 30 24: Part A

71: CTB, Inc.

54: FEEDERS

57: The design is for a feeder. The feeder has a generally bulbous body located on a base. The base has a circular profile when viewed from a top with outer edges being upwardly curved. An underside of the base comprises a planar ring with a recess on an inside thereof. The recess comprises varyingly angled contiguous sections which together taper inwardly and upwardly. Radially spaced vertical fins project outwardly from the body. The fins curve upwardly and inwardly towards near a top of the body. The body has a scalloped rim joining the fins. A ring is located on top of the body.

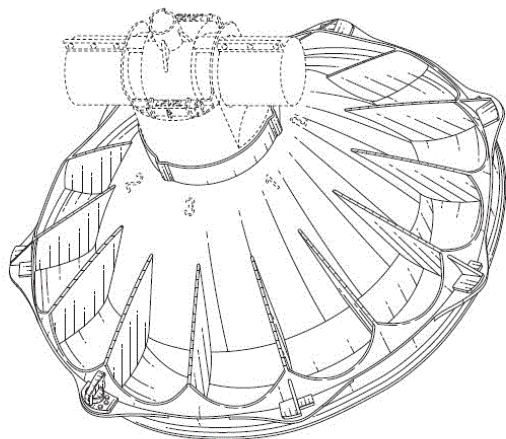


Figure 1

Three-dimensional view

21: A2018/01758 22: 2018-11-15 23:

43: 2018-06-01

52: Class 24 24: Part A

71: Industrie Borla S.p.A.

33: EM(IT) 31: 005293313-0001 32: 2018-06-01

54: DRIP CHAMBERS AND SPIKE ASSEMBLIES FOR MEDICAL LINES

57: The design is for a drip chamber and spike assembly for medical lines including a generally cylindrical body having at one end a tubular spike provided with a removable cap and intended to pierce a container or bag of a medical liquid to be delivered to the line. The body is formed with an outer crown of integral projections forming a handle. The drip chamber and the spike are both made of plastic material.

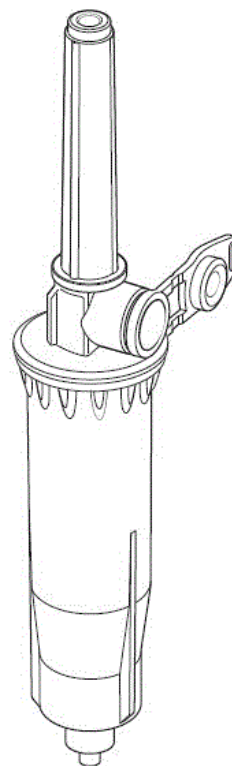


Figure 1

Three-dimensional view

21: A2018/01916 22: 2018-12-14 23:

43: 2018-06-18

52: Class 7 24: Part A

71: Asahi Europe Ltd

33: EM(GB) 31: 005314358 32: 2018-06-18

54: GLASSES

57: The design is for a glass, specifically for a beverage glass. The glass is elongate and tall, being 3-4 times taller than it is wide. The glass has three sections, namely a top section, a mid-section, and a bottom section. The top section is the tallest section, comprising just over half of the height of the bottle. The top section has a wide mouth and tapers slowly convexly inwardly to the mid-section. The mid-section is narrow, waisted, and concave, serving as a transition between the top and bottom sections. The bottom section is about half the height of the top section and flares gently outwardly downwardly. The bottom section has a rounded hexagonal cross-sectional profile which becomes circular as it merges with the mid-section. A notable recess is defined in a front of the bottom section and projects slightly into the mid-section. The recess is straight back blade shaped.

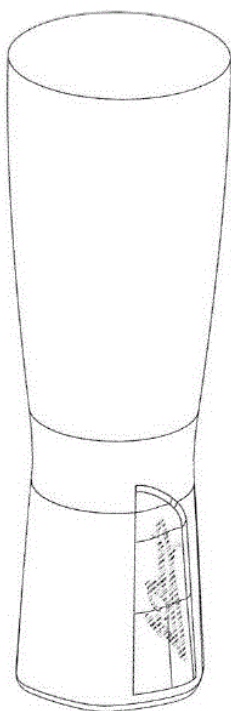


Figure 1

Three-dimensional view



Figure 1

Three-dimensional view

21: A2018/01917 22: 2018-12-14 23:

43: 2018-07-20

52: Class 9 24: Part A

71: Asahi Europe Ltd

33: GB 31: 6039522 32: 2018-07-20

33: GB 31: 6039523 32: 2018-07-20

54: BOTTLES

57: The design is for a bottle, specifically for a beverage bottle. The bottle is elongate and has a body, shoulders, and a neck which present a continuous curved outer surface. The body is elongate and axially symmetrical, being relatively thin, about 2-3 times as tall as it is wide. The body bulges slightly towards its base and is waisted about one third up, and thereafter flares gently and linearly to bulge again at a top of the body which transitions to the shoulders. The shoulders are convex and taper inwardly before merging with the neck concavely. The neck is frusto-conical and extends upwardly to terminate in a mouth configured to receive a bottle cap.

21: A2019/00288 22: 2019-02-26 23:

43: 2021-05-13

52: Class 25 24: Part A

71: CAPCO (PTY) LTD

54: CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER

57: The novelty of the design as applied to a ceiling transition channel resides in the shape and / or configuration thereof substantially as shown in the accompanying drawings

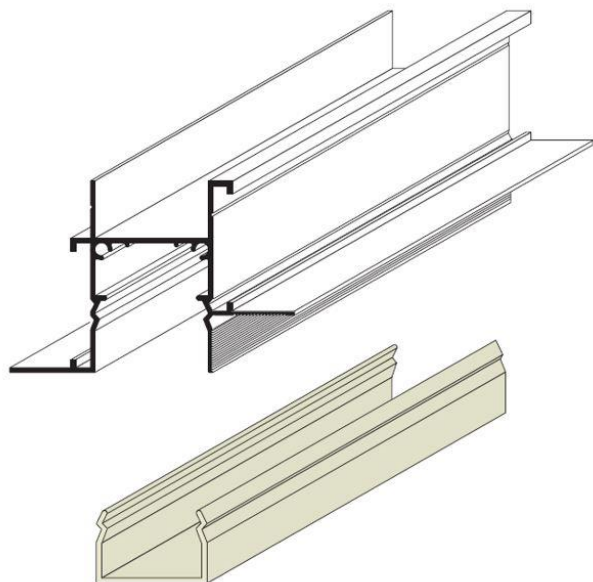


Figure 1

Exploded isometric view of a ceiling transition channel and light diffuser

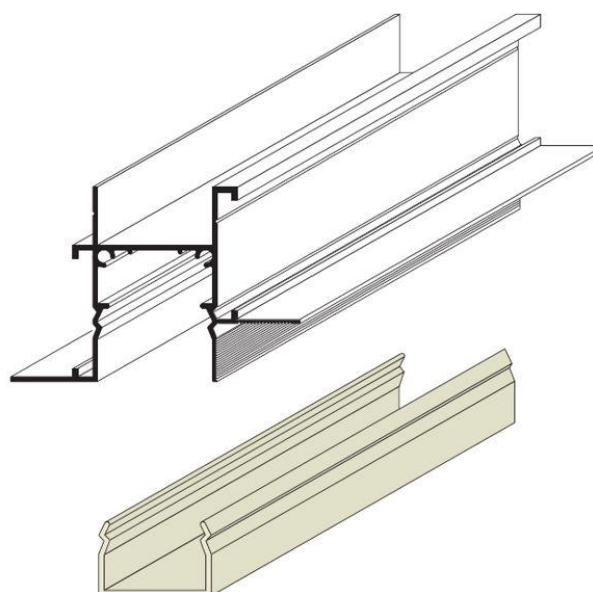


Figure 1

Exploded isometric view of a light trough and diffuser

21: A2019/00290 22: 2019-02-26 23:
43: 2021-11-18

52: Class 08 24: Part A
71: CAPCO (PTY) LTD,

54: LIGHT TROUGH AND DIFFUSER

57: The novelty of the design as applied to a light trough and diffuser resides in the shape and / or configuration and / or ornamentation thereof substantially as shown in the accompanying drawings

21: A2019/00407 22: 2019-03-28 23:
43: 2018-09-29

52: Class 31 24: Part A

71: Koninklijke Philips N.V.

33: EM(NL) 31: 005668522-0011 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operative upward direction. A circular knob is provided on a side of the base. A cylindrical bowl is located on the base. A side wall of the bowl diverges slightly outwardly in an upward direction. A cover spans the operative top of the bowl. A generally oval cylindrical neck portion configured to receive food protrudes from the cover. A D-shaped handle is provided on the side of the bowl proximate the neck portion.

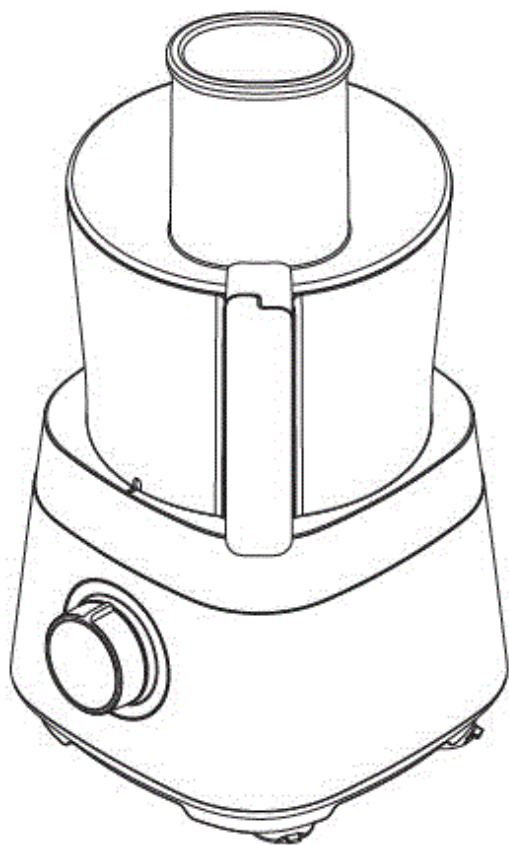


Figure 1

Three-dimensional view

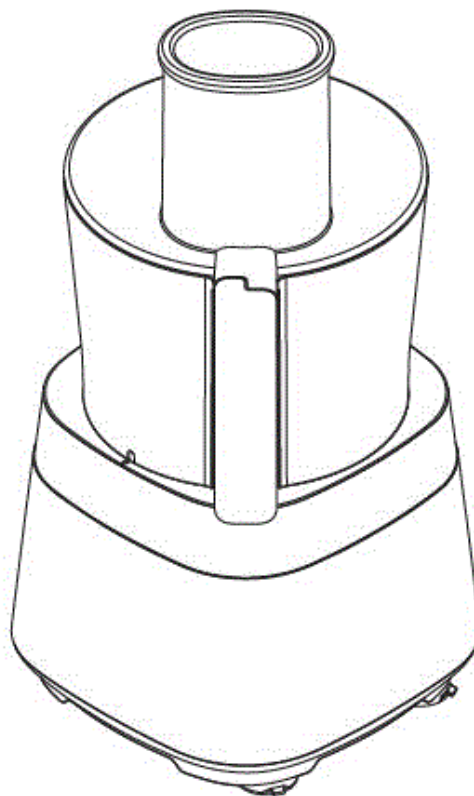


Figure 1

Three-dimensional view

21: A2019/00408 22: 2019-03-28 23:
43: 2018-09-29
52: Class 31 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 005668522-0012 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operatively upward direction. A cylindrical bowl is located on the base. A side wall of the bowl diverges slightly outwardly in an upward direction. A cover spans the operative top of the bowl. A generally oval cylindrical neck portion configured to receive food protrudes from the cover. A D-shaped handle is provided on the side of the bowl proximate the neck portion.

21: A2019/00409 22: 2019-03-28 23:
43: 2018-09-29
52: Class 31 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 005668522-0020 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor and, in particular, a base thereof. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operatively upward direction. A laterally protruding circular knob is provided centrally on one side of the base. A cylindrical bowl support member protrudes from an operative top of the base. The support member comprises a wider base portion and a narrower elongated neck portion. The neck portion extends operatively upwardly from the base portion and has a finger-like cut-out extending lengthwise from a distal end of the neck portion.



Figure 1

Three-dimensional view

21: A2019/00410 22: 2019-03-28 23:
43: 2018-09-29
52: Class 31 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 005668522-0021 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operative upward direction. A circular knob is provided on a side of the base. A cylindrical bowl is located on the base. A side wall of the bowl diverges slightly outwardly in an upward direction. The side wall has a stepped inner profile. A D-shaped handle is provided on the side of the bowl. A D-shaped cut-out is provided in an upper periphery of the bowl.

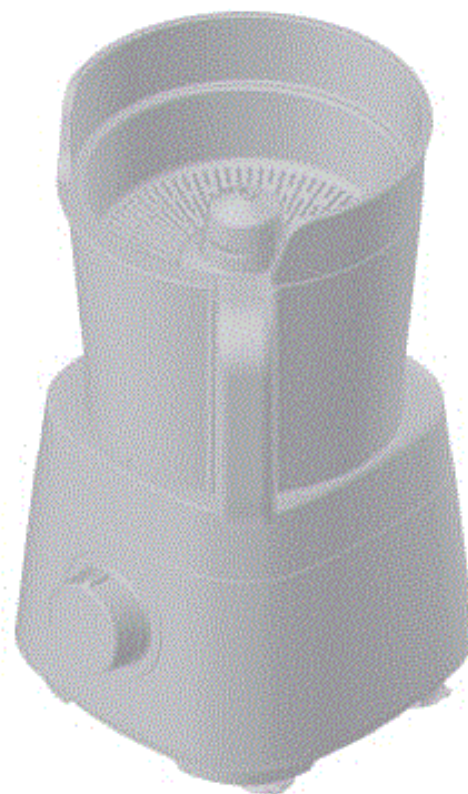


Figure 1

Three-dimensional view

21: A2019/00411 22: 2019-03-28 23:
43: 2018-09-29
52: Class 31 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 005668522-0001 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operative upward direction. A circular knob is provided on a side of the base. A cylindrical bowl is located on the base. A side wall of the bowl diverges slightly outwardly in an upward direction. A cover spans the operative top of the bowl. A generally oval cylindrical neck portion configured to receive food protrudes from the cover. A D-shaped handle is provided on the side of the bowl.

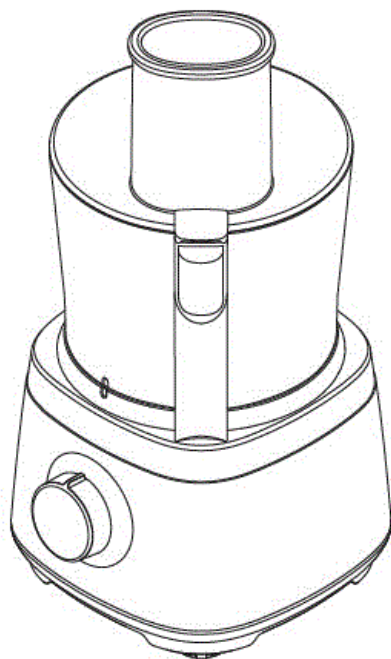


Figure 1

Three-dimensional view



Figure 1

Three-dimensional view

21: A2019/00412 22: 2019-03-28 23:

43: 2018-09-29

52: Class 31 24: Part A

71: Koninklijke Philips N.V.

33: EM(NL) 31: 005668522-0002 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operatively upward direction. A circular knob is provided on a side of the base. A cylindrical bowl is located on the base. A side wall of the bowl diverges slightly outwardly in an upward direction. A cover spans the operative top of the bowl. A generally oval cylindrical neck portion configured to receive food protrudes from the cover. A handle is provided on the side of the bowl.

21: A2019/00413 22: 2019-03-28 23:

43: 2018-09-29

52: Class 31 24: Part A

71: Koninklijke Philips N.V.

33: EM(NL) 31: 005668522-0008 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor and, in particular, a base thereof. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operatively upward direction. A laterally protruding circular knob is provided centrally on a side of the base.

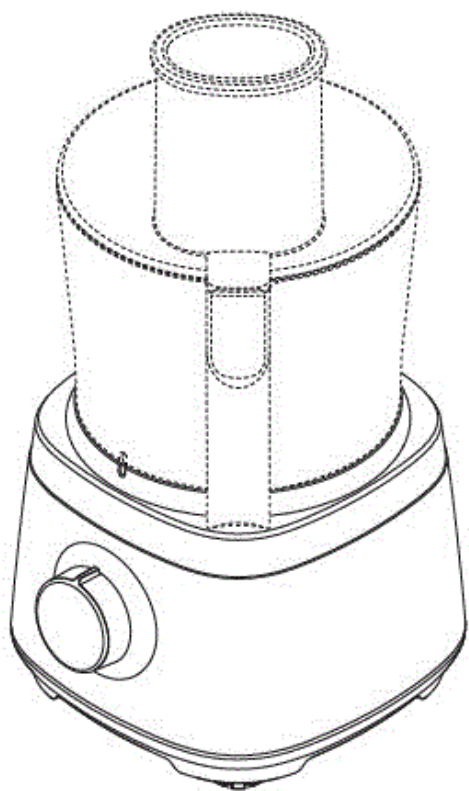


Figure 1

Three-dimensional view



Figure 1

Three-dimensional view

21: A2019/00414 22: 2019-03-28 23:
43: 2018-09-29
52: Class 31 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 005668522-0009 32: 2018-09-29

54: FOOD PROCESSORS

57: The design is for a food processor and, in particular, a base thereof. The features of the design include a generally cubic base having rounded edges. The base tapers inwardly in an operative upward direction. A laterally protruding circular knob is provided centrally on a side of the base. A drive gear is provided centrally in a contoured circular bowl-receiving formation which is provided on an operative upper surface of the base.

21: A2019/00422 22: 2019-04-01 23:
43: 2018-10-02
52: Class 12 24: Part A
71: Bridgestone Europe NV/SA
33: EM(BE) 31: 005707502-0001 32: 2018-10-02

54: TYRES AND TYRE TREADS

57: The design is for a tyre tread. The tread has an inner and an outer circumferentially extending shoulder row of blocks flanking three circumferentially extending intermediate rows of blocks. The rows are separated from each other by four parallel, circumferentially extending grooves. Each shoulder row comprises a series of circumferentially spaced apart grooves. Each of the grooves in the shoulder rows have a first end region which terminates in an adjacent one of the circumferential grooves. The grooves in one of the shoulder rows have a second end region which extends laterally and circumferentially and terminates near a first tread edge, while the grooves in the other one of the shoulder rows have a substantially laterally extending second end region terminating near a second tread edge. Each intermediate row comprises a series of inclined, circumferentially spaced apart grooves which are generally narrower than the grooves in the shoulder rows.

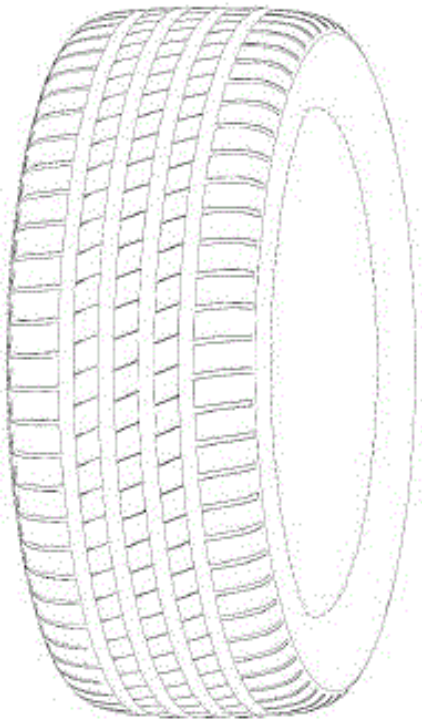


Figure 1

Three-dimensional view

21: A2019/01339 22: 2019-09-13 23:
43: 2021-11-09
52: Class 13 24: Part A
71: SOLAR ECO SOLUTIONS IN AFRICA (PTY)
LTD

54: SOLAR POWER POLE

57: The novelty in the design as applied to a solar power pole, resides in the shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the accompanying drawings.

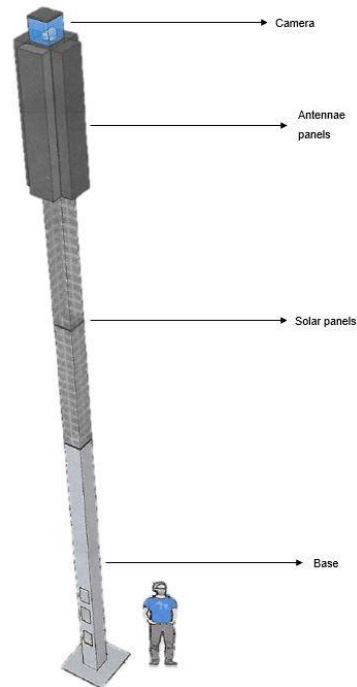


Figure 1

Perspective view having a camera on top of the pole

21: A2019/01340 22: 2019-09-13 23:

43: 2021-11-18

52: Class 07 24: Part A

71: 1PT618 (PTY) LTD

54: WALL MOUNTED HANGING DEVICE

57: The novelty in the design as applied to a wall mounted hanging device, resides in the shape and/or configuration and/or pattern and/or ornamentation, substantially as shown in the accompanying drawings.

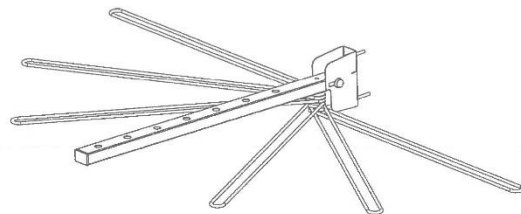


Figure 10

Perspective view of the device in a mounted and open position

21: A2019/01615 22: 2019-10-29 23:

43: 2019-04-30

52: Class 12 24: Part A

71: The Goodyear Tire & Rubber Company

33: US 31: 29/689,448 32: 2019-04-30

54: TIRE SIDEWALLS

57: The design is for a sidewall for a tire having a decorative arcuate element at one position around the circumference of the sidewall. The element extends about ten degrees around the circumference.

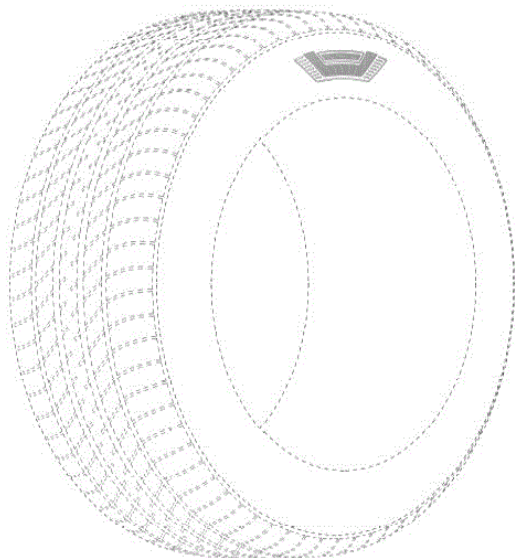


Figure 1

Three-dimensional view



Figure 1

Isometric view

21: A2019/01625 22: 2019-10-31 23:
43: 2021-11-09
52: Class 24 24: Part A
71: OMPRAKASH CHHANGMAL GARG
33: IN 31: 320837-001 32: 2019-08-19
54: CONDOM

57: The novelty of the design as applied to a condom resides in the shape and/or configuration and/or pattern and/or ornamentation thereof, substantially as shown in the accompanying figures.

21: A2019/01806 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,943 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.

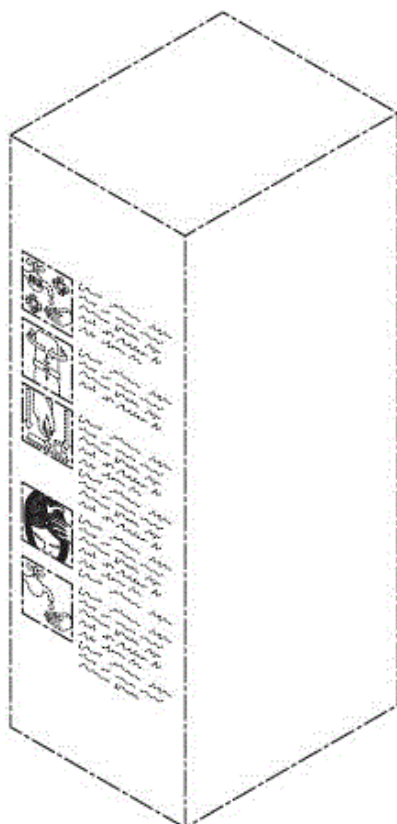


Figure 1
Three-dimensional view

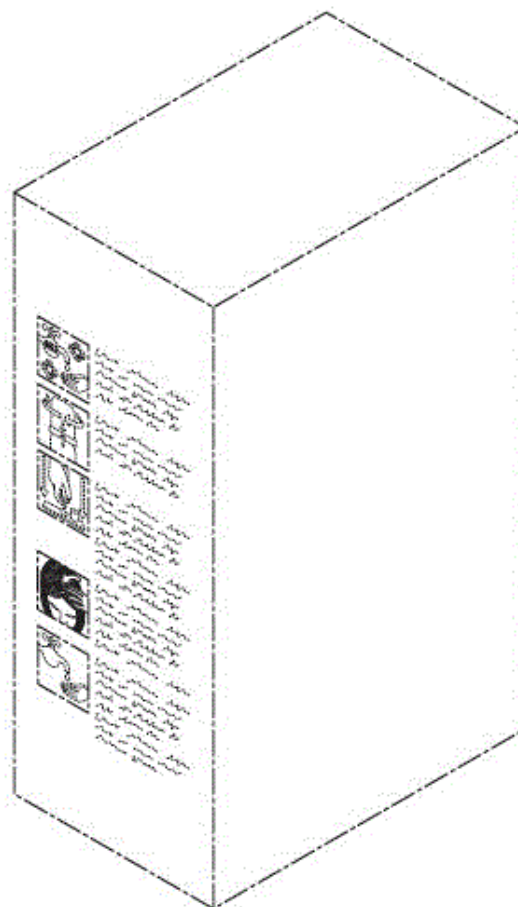


Figure 1
Three-dimensional view

21: A2019/01807 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,943 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.

21: A2019/01808 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,943 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.

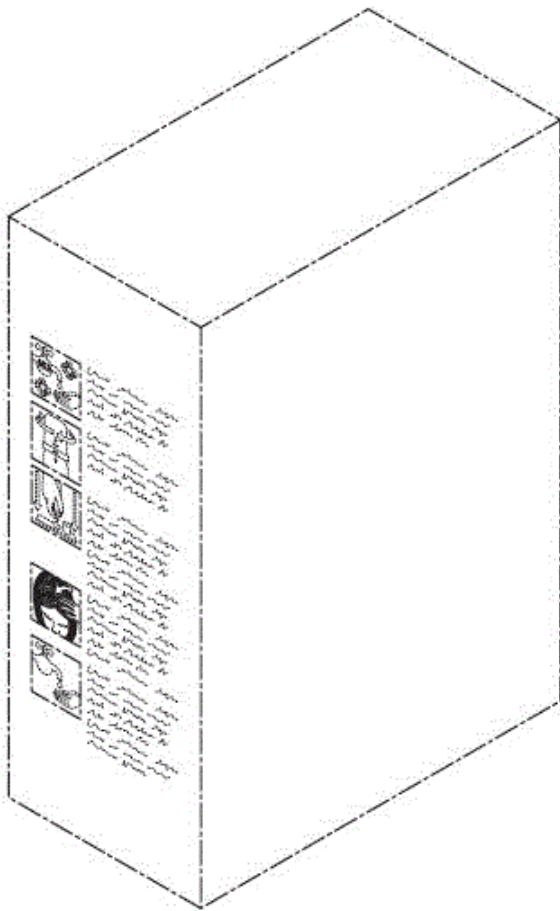


Figure 1
Three-dimensional view

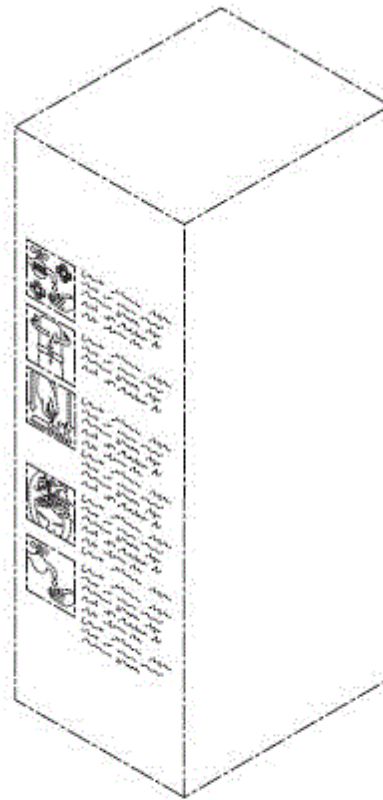


Figure 1
Three-dimensional view

21: A2019/01814 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,937 32: 2019-06-14

54: PACKAGING

57: The design is for graphics on packaging, the boundaries of which are shown as dot-dash-dot lines. The packing incorporates 5 four-sided shapes, in a line, on a side thereof, the boundaries of the shapes also being defined by dot-dash-dot lines. The position of the shapes and the boundaries thereof in relation to the shape and the boundaries of the packaging is also shown. A "snow flake" symbol appears in a first four-sided shape in a top right hand corner where a first and second boundary line form a 90 degree junction.

21: A2019/01815 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,937 32: 2019-06-14

54: PACKAGING

57: The design is for graphics on packaging, the boundaries of which are shown as dot-dash-dot lines. The packing incorporates 5 four-sided shapes, in a line, on a side thereof, the boundaries of the shapes also being defined by dot-dash-dot lines. The position of the shapes and the boundaries thereof in relation to the shape and the boundaries of the packaging is also shown. A "snow flake" symbol appears in a first four-sided shape in a top right hand corner where a first and second boundary line form a 90 degree junction.

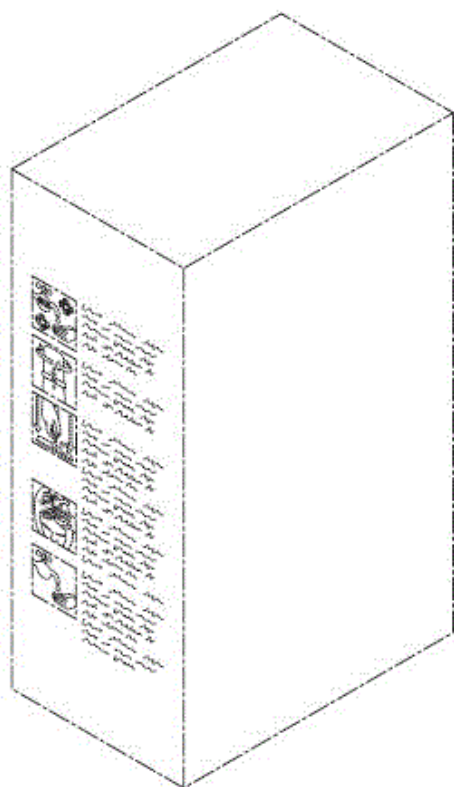


Figure 1
Three-dimensional view

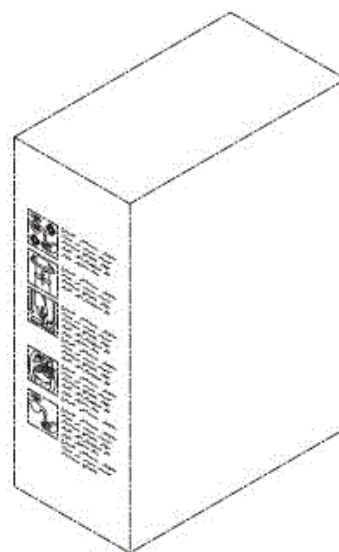


Figure 1
Three-dimensional view

21: A2019/01816 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,937 32: 2019-06-14

54: PACKAGING

57: The design is for graphics on packaging, the boundaries of which are shown as dot-dash-dot lines. The packing incorporates 5 four-sided shapes, in a line, on a side thereof, the boundaries of the shapes also being defined by dot-dash-dot lines. The position of the shapes and the boundaries thereof in relation to the shape and the boundaries of the packaging is also shown. A "snow flake" symbol appears in a first four-sided shape in a top right hand corner where a first and second boundary line form a 90 degree junction.

21: A2019/01817 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,941 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.



Figure 1
Three-dimensional view

21: A2019/01818 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,941 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.

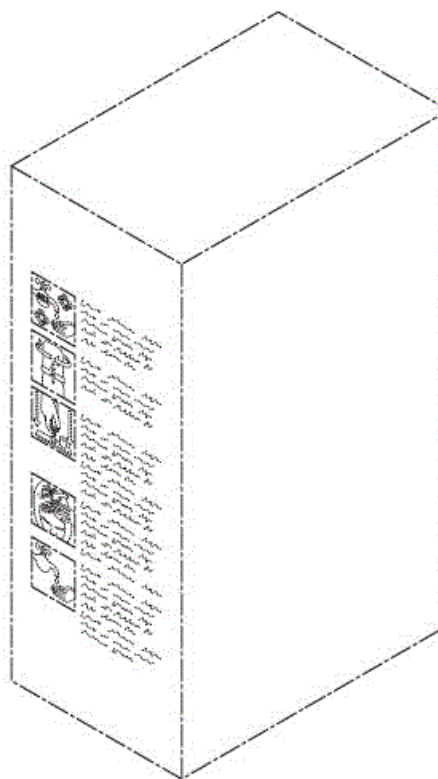


Figure 1
Three-dimensional view

21: A2019/01819 22: 2019-12-13 23:
43: 2019-06-14
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/694,941 32: 2019-06-14

54: PACKAGING

57: The design is for packaging. The packaging is in the form of a rectangular prism including parallel rectangular ends and opposed pairs of parallel rectangular sides extending between the ends. One pair of sides has a width which is less than the width of the other pair of sides. Instructional graphics are provided on an outer surface of one of the narrow sides of the packaging.

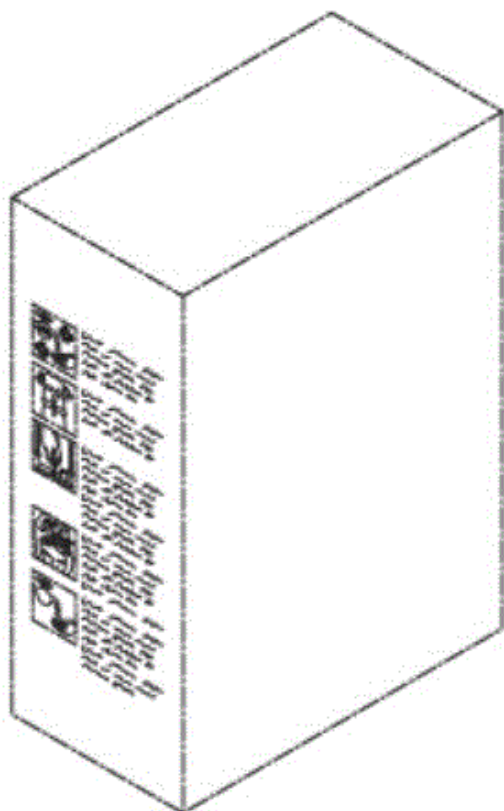


Figure 1
Three-dimensional view



Figure 1
Three-dimensional view

21: A2020/00036 22: 2020-01-15 23:
43: 2019-07-16
52: Class 14 24: Part A
71: HMD Global Oy
33: EM(FI) 31: 006631594-0001 32: 2019-07-16

54: MOBILE PHONES

57: The design is for a mobile phone with a candybar form factor comprising a rectangular housing with rounded corners. A front surface includes a rectangular face that extends along a top half of the front surface. Top corners of the face are rounded. A bottom half of the front surface includes an arrangement of rectangular operating buttons and a larger square operating button at a top centre. Side, bottom, and top walls of the housing are convexly curved leading towards a flat rear surface which is smaller than the front surface.

21: A2020/00064 22: 2020-01-22 23:
43: 2019-07-24
52: Class 4 24: Part A
71: GSK Consumer Healthcare S.A.
33: EM(DE) 31: 006638540-0001 32: 2019-07-24

54: TOOTHBRUSHES

57: The design is for a toothbrush which is manufactured from bamboo material. The toothbrush has an elongate body comprising a head, a handle and a neck connecting the head to the handle. A central region of the handle has a slightly waisted appearance in front view. The handle includes a slightly bulbous region below the waist defining a convex front face. Undulating sinusoidal grip formations are provided between the handle and the neck. The head includes a generally oval base and a plurality of bristle tufts protruding from the base. The tufts are arranged in sets of different lengths such that some of the tufts stand proud of the others. A rear surface of the toothbrush is flat.

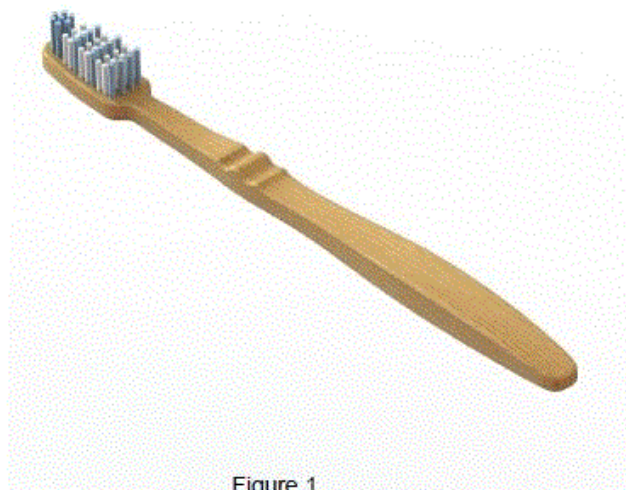


Figure 1

Three-dimensional view

21: A2020/00066 22: 2020-01-23 23:
43: 2019-07-24
52: Class 23 24: Part A
71: TAKANO, Masaaki
33: JP 31: 2019-016584 32: 2019-07-24

54: FAUCETS

57: The design is for a faucet comprising a cylindrical body, a circular swivel member attached to an upper end of the body and a flexible U-shaped hose extending from the swivel member to a cylindrical nozzle. A handle with a cylindrical base and elongate lever protrudes from a side of the body. The swivel member has a pivot joint at its front. An elongate arm extends from the pivot joint at its bottom end to a ball and socket joint at the nozzle at its top end.

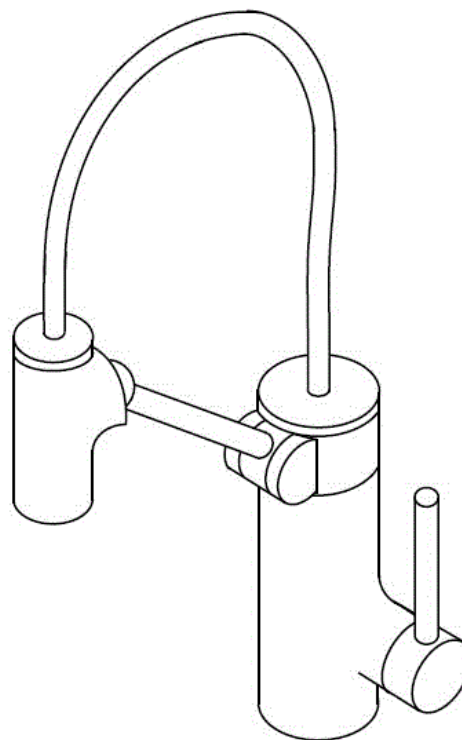


Figure 1

Three-dimensional view in a first configuration

21: A2020/00103 22: 2020-01-30 23:
43: 2019-08-01
52: Class 9 24: Part A
71: Carolina Herrera Ltd
33: EM(ES) 31: 006665600-0001 32: 2019-08-01

54: BOTTLES

57: The design is for a bottle. The bottle is in the shape of a section of a skateboard which is also in the shape of an inclined prism with a cross-section of an inverted isosceles trapezium. The section of the skateboard has a section of a deck projecting upwardly from a planar base. An underside of the deck has a pair of spaced apart trucks mounted thereto. Each truck has a pair of wheels mounted thereon. An end of the deck is inwardly inclined away from the underside relative to a middle portion of the deck. A button is provided in the underside of the end of the deck and a corresponding dispensing aperture is defined on an upper surface of the end of the deck.

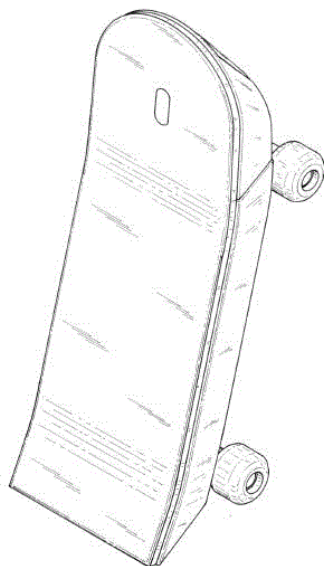


Figure 1
Three-dimensional view

21: A2020/00105 22: 2020-01-10 23:

43: 2021-11-04

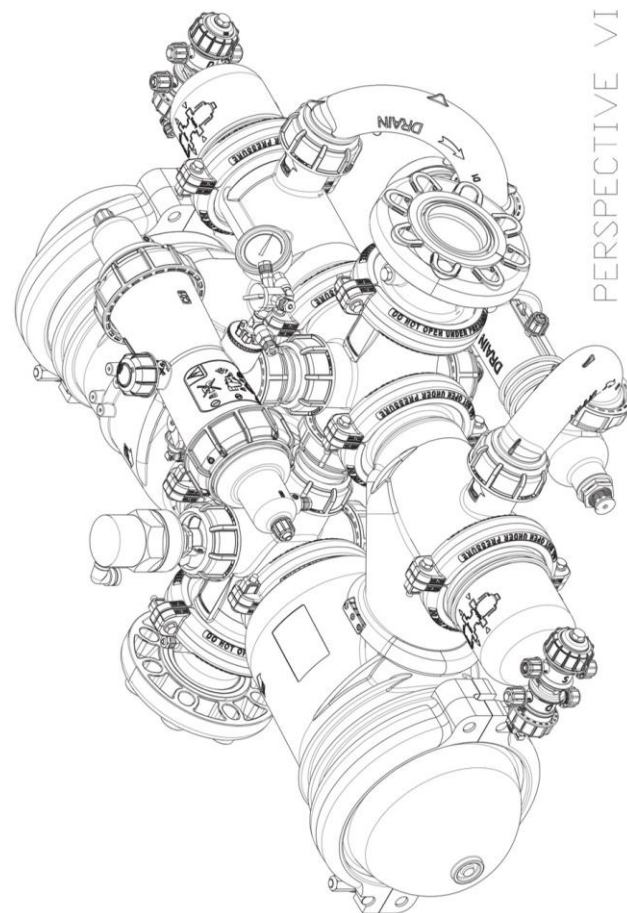
52: Class 23 24: Part A

71: AMIAD WATER SYSTEMS LTD

33: IL 31: 63909 32: 2019-07-10

54: FILTRATION SYSTEM

57: The design is applied to a filtration system. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of a filtration system, substantially as illustrated in the accompanying representation.



21: A2020/00203 22: 2020-02-19 23:

43: 2019-08-19

52: Class 13 24: Part A

71: Morgan Solar Inc.

33: US 31: 29/702,334 32: 2019-08-19

54: SOLAR PANELS

57: The design is for a solar panel having cells arranged in a grid on a surface of the panel. The cells are rectangular in shape with truncated corners on one side thereof. The cells that are closer to a central portion of the solar panel define a greater spacing there between than the cells further from the central portion. For a given column of the grid of cells, the orientation of the truncated corners of the cells is inversed on an opposite side of the central portion of the panel.

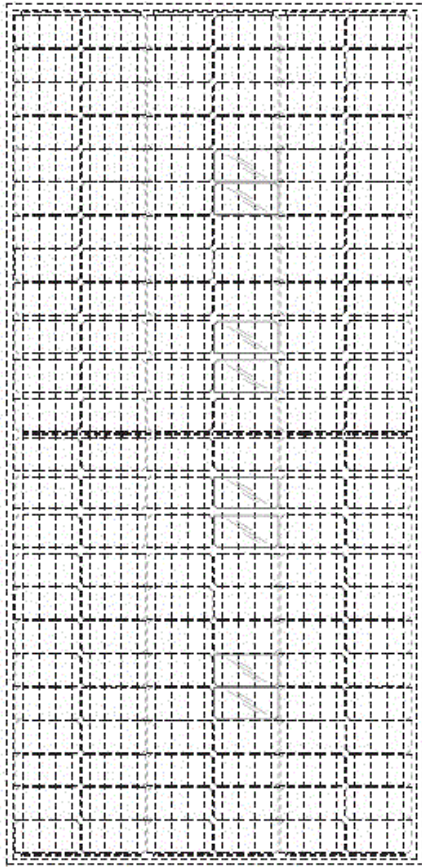


Figure 1

Top view

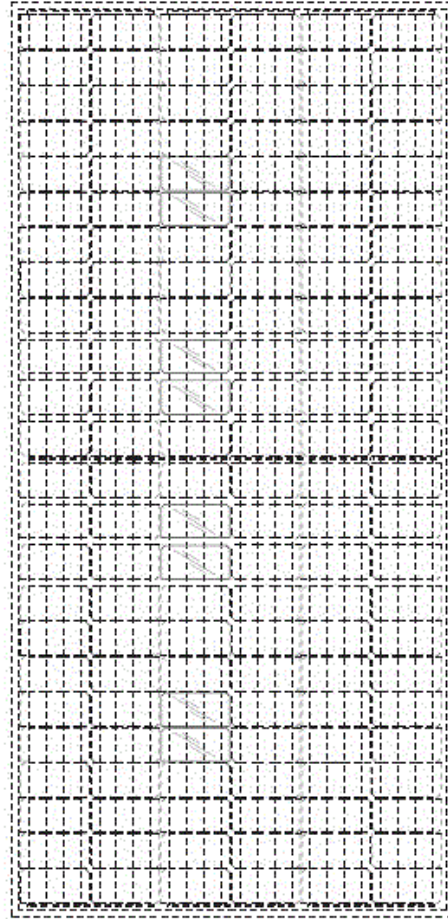


Figure 1

Top view

21: A2020/00204 22: 2020-02-19 23:

43: 2019-08-19

52: Class 13 24: Part A

71: Morgan Solar Inc.

33: US 31: 29/702,334 32: 2019-08-19

54: SOLAR PANELS

57: The design is for a solar panel having cells arranged in a grid on a surface of the panel. The cells are rectangular in shape with truncated corners on one side thereof. The cells that are closer to a central portion of the solar panel define a greater spacing there between than the cells further from the central portion. For a given column of the grid of cells, the orientation of the truncated corners of the cells is inversed on an opposite side of the central portion of the panel.

21: A2020/00205 22: 2020-02-19 23:

43: 2019-08-19

52: Class 13 24: Part A

71: Morgan Solar Inc.

33: US 31: 29/702,334 32: 2019-08-19

54: SOLAR PANELS

57: The design is for a solar panel having cells arranged in a grid on a surface of the panel. The cells are rectangular in shape. The cells that are closer to a central portion of the solar panel define a greater spacing there between than the cells further from the central portion.

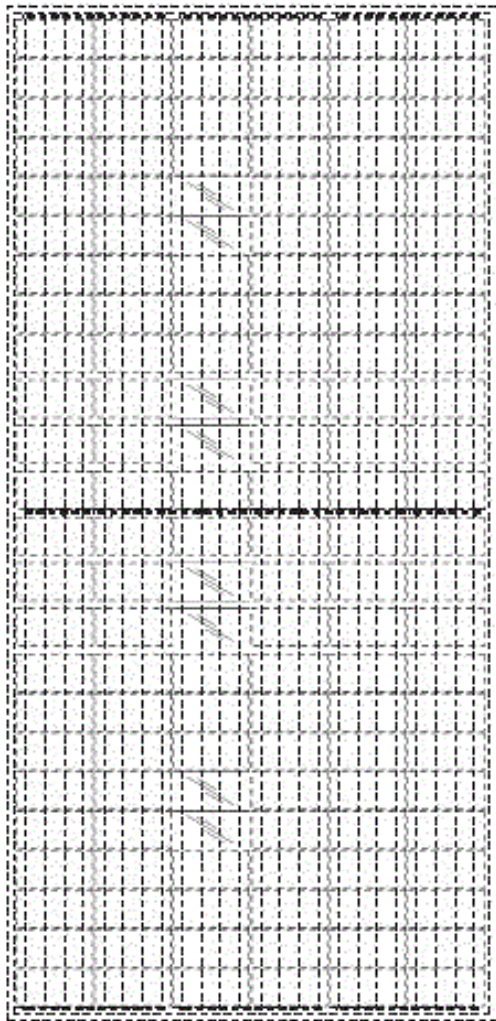


Figure 1

Top view



Figure 1

Top view

21: A2020/00206 22: 2020-02-19 23:
43: 2019-08-19
52: Class 13 24: Part A
71: Morgan Solar Inc.
33: US 31: 29/702,334 32: 2019-08-19

54: SOLAR PANELS

57: The design is for a rectangular solar panel having cells arranged in a grid on a surface of the panel. The cells are rectangular in shape with truncated corners on one side thereof. The cells that are closer to a central portion of the solar panel define a greater spacing there between than the cells further from the central portion. For each column of the grid of cells, the orientation of the truncated corners of the cells is inversed on an opposite side of the central portion of the panel. The orientation of the truncated corners of the cells is opposite for adjacent ones of the columns.

21: A2020/00207 22: 2020-02-19 23:
43: 2019-08-19
52: Class 13 24: Part A
71: Morgan Solar Inc.
33: US 31: 29/702,334 32: 2019-08-19

54: SOLAR PANELS

57: The design is for a rectangular solar panel having cells arranged in a grid on a surface of the panel. The cells are rectangular in shape. The cells that are closer to a central portion of the solar panel define a greater spacing there between than the cells further from the central portion.

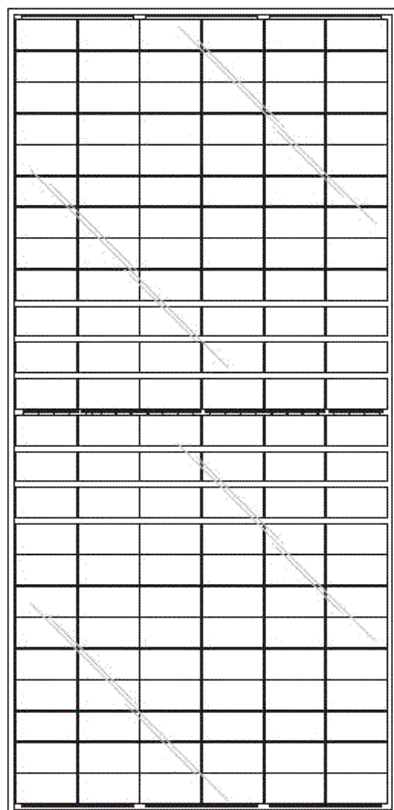


Figure 1
Top view

21: A2020/00224 22: 2020-02-24 23:

43: 2020-10-26

52: Class 23 24: Part A

71: FUTURE BY DESIGN CC

54: TOILET CLEANING DEVICE AND HOLDER ASSEMBLY

57: The features for which design protection is claimed reside in the shape and/or configuration as applied to a toilet cleaning device and holder assembly, substantially as shown in the accompanying representations.

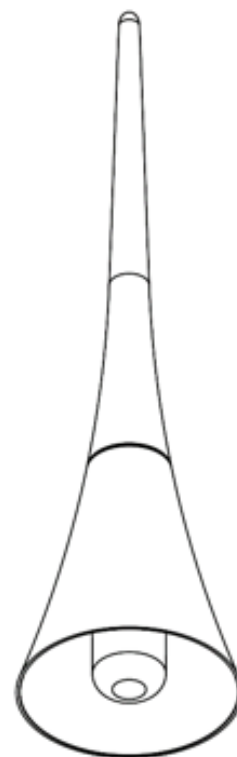


FIG. 1

21: A2020/00271 22: 2020-02-28 23:

43: 2019-09-06

52: Class 28 24: Part A

71: Colgate-Palmolive Company

33: US 31: 29/704,763 32: 2019-09-06

54: ORAL IRRIGATORS

57: The design is for an oral irrigator. The irrigator has a generally oval cylindrical body with a planar base and top. A lattice pattern comprising vertically oriented wavy lines is defined on a lower portion of the body. A lateral groove and a recess are defined in an upper portion of the body. The recess is adjacent the top and has a pair of spaced apart downward facing points. A transverse curve is defined in the top.

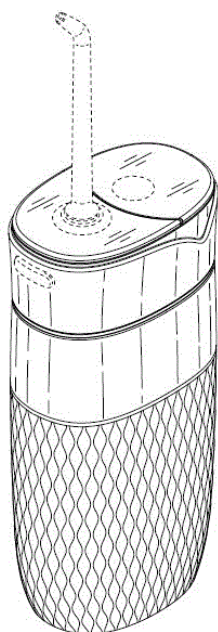


Figure 1

Three-dimensional view

21: A2020/00272 22: 2020-02-28 23:
43: 2019-09-06
52: Class 28 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/704,763 32: 2019-09-06

54: ORAL IRRIGATORS

57: The design is for an oral irrigator. The irrigator has a generally oval cylindrical body. A lateral groove and a recess, located above the groove, are defined in an upper portion of the body. The recess has a pair of spaced apart downward facing points.

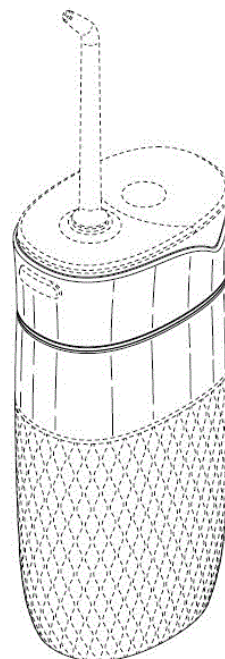


Figure 1

Three-dimensional view

21: A2020/00273 22: 2020-02-28 23:
43: 2019-09-06
52: Class 28 24: Part A
71: Colgate-Palmolive Company
33: US 31: 29/704,763 32: 2019-09-06

54: ORAL IRRIGATORS

57: The design is for an oral irrigator. The irrigator has a generally oval cylindrical body. A lattice pattern comprising vertically oriented wavy lines is defined on a lower portion of the body.

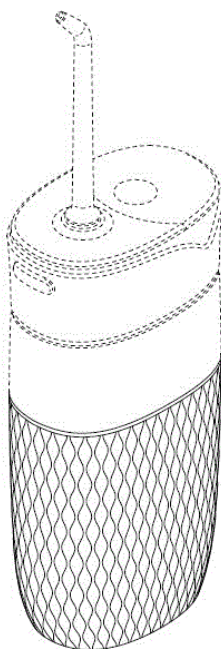


Figure 1

Three-dimensional view

21: A2020/00275 22: 2020-02-28 23:
43: 2019-08-30
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/703,949 32: 2019-08-30

54: BOTTLES

57: The design is for a bottle having a body which extends upwardly from a flat elliptical base, has an elliptical cross-section and a narrowed waist portion before bulging outwardly until it terminates in a convexly rounded stepped shoulder, with a cylindrical neck projecting from a centre of the shoulder. The waist portion is flanked on each side by an inclined, elliptical region with a series of raised dots throughout. A lower step of the shoulder is wider and has a smaller radius of curvature than an upper step. In side profile the shoulder also flares upwardly outwardly from an upper part of the waist portion towards the neck.



Figure 1

Three-dimensional view

21: A2020/00276 22: 2020-02-28 23:
43: 2019-08-30
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/703,952 32: 2019-08-30

54: BOTTLES

57: The design is for a bottle having a body which extends upwardly from a flat elliptical base, has an elliptical cross-section and a narrowed waist portion before bulging outwardly until it terminates in a convexly rounded stepped shoulder, with a cylindrical neck projecting from a centre of the shoulder. The waist portion is flanked on each side by an inclined, elliptical region with a series of raised dots throughout. A lower step of the shoulder is wider and has a smaller radius of curvature than an upper step. In side profile, the shoulder also flares slightly upwardly outwardly from an upper part of the waist portion towards the neck.

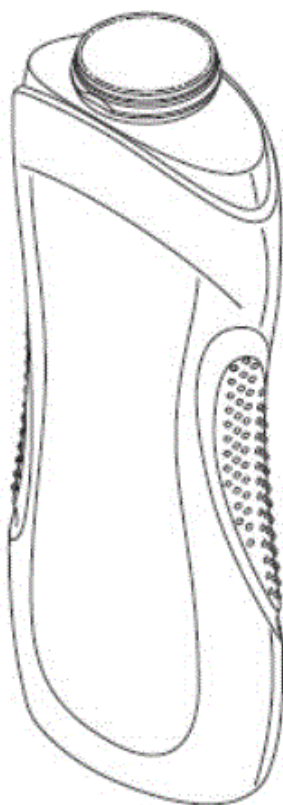


Figure 1

Three-dimensional view

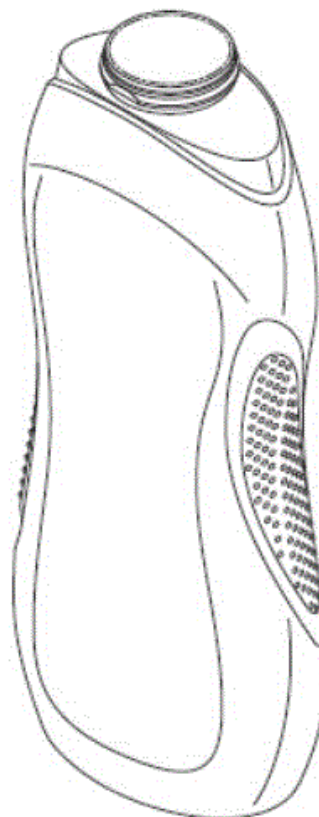


Figure 1

Three-dimensional view

21: A2020/00277 22: 2020-02-28 23:
43: 2019-08-30
52: Class 9 24: Part A
71: Johnson & Johnson Consumer Inc.
33: US 31: 29/703,956 32: 2019-08-30

54: BOTTLES

57: The design is for a bottle having a body which extends upwardly from a flat elliptical base, has an elliptical cross-section and a narrowed waist portion before bulging outwardly until it terminates in a convexly rounded stepped shoulder, with a cylindrical neck projecting from a centre of the shoulder. The waist portion is flanked on each side by an inclined, elliptical region with a series of raised dots throughout. A lower step of the shoulder is wider and has a smaller radius of curvature than an upper step. In side profile, the body tapers slightly inwardly upwardly from the base to the neck.

21: A2020/00280 22: 2020-03-02 23:
43: 2019-09-03
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402019100944.2 32: 2019-09-03

54: MOTOR VEHICLES

57: The design is for a vehicle, particularly a two-door coupé, having a long wheelbase and short overhangs. The front is characterized by a large radiator grille which angles forward and extends down almost to the lower edge, with its upright elements connected in the center, and its air intakes have a mesh structure. In the lower section a large, horizontal, trapezoidal opening is flanked by vertically arranged apertures. The bonnet has four prominent contour lines: the two inner ones curve inwardly, the two outer ones curve outwardly. The side has two character lines extending parallel to each other. The upper swage line extends below the door handle and the lower swage line directly above the sill, the latter being characterized by a sharp bend in the front fender. The rear is characterized by horizontal lines, L-shaped rear lights and vertically

arranged apertures positioned below at the outer edges.



Figure 1
Three-dimensional view

21: A2020/00281 22: 2020-03-02 23:
43: 2019-09-03
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402019100944.2 32: 2019-09-03

54: MOTOR VEHICLES

57: The design is for a vehicle, particularly a two-door convertible, having a long wheelbase and short overhangs. The front is characterized by a large radiator grille which angles forward and extends down almost to the lower edge, with its upright elements connected in the center, and its air intakes have a mesh structure. In the lower section a large, horizontal, trapezoidal opening is flanked by vertically arranged apertures. The bonnet has four prominent contour lines: the two inner ones curve inwardly, the two outer ones curve outwardly. The side has two character lines extending parallel to each other. The upper swage line extends below the door handle and the lower swage line directly above the sill, the latter being characterized by a sharp bend in the front fender. The rear is characterized by horizontal lines, L-shaped rear lights and vertically arranged apertures positioned below at the outer edges.



Figure 1
Three-dimensional view

21: A2020/00282 22: 2020-03-02 23:
43: 2019-09-03
52: Class 12 24: Part A
71: Bayerische Motoren Werke Aktiengesellschaft
33: DE 31: 402019100944.2 32: 2019-09-03

54: MOTOR VEHICLES

57: The design is for a vehicle, particularly a two-door coupé, having a long wheelbase, and short overhangs. The front is characterized by a large radiator grille which angles forward and extends down almost to the lower edge, with its upright elements connected in the center, and its air intakes have a mesh structure. The grille is flanked by large pentagonal apertures. The bonnet has four prominent contour lines: the two inner ones curve inwardly, the two outer ones curve outwardly. The side has two character lines extending parallel to each other. The upper swage line extends below the door handle and the lower one directly above the sill, the latter being characterized by a sharp bend in the front fender. The rear is characterized by horizontal lines some of which are flanked by lines with sharp bends, L-shaped rear lights and vertically arranged apertures positioned below at the outer edges.



Figure 1
Three-dimensional view

21: A2020/00289 22: 2020-03-04 23:
43: 2019-09-05
52: Class 15 24: Part A
71: Techtronic Cordless GP
33: US 31: 29/704,571 32: 2019-09-05

54: BLOWERS

57: The newness and distinctiveness of the design resides in the features of shape and/or configuration of an electric blower battery interface as illustrated in the representations. The blower features shown in dotted lines are provided to give context to the nature and use of the design, but do not form part of the design. The non-continuous lines on the features of the design clarify the shape and form of the surfaces shown, but are not surface markings or elements of pattern and ornamentation.

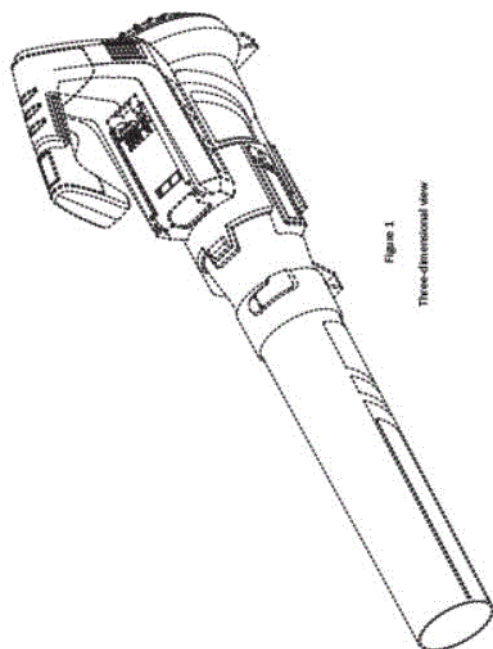


Figure 1
Three-dimensional view

21: A2020/00291 22: 2020-03-04 23:
43: 2019-09-05
52: Class 13 24: Part A
71: Techtronic Cordless GP
33: US 31: 29/704,572 32: 2019-09-05

54: BATTERIES

57: The newness and distinctiveness of the design resides in the features of shape and/or configuration of a battery terminal arrangement as illustrated in the representations. The battery features shown in dotted lines are provided to give context to the nature and use of the design, but do not form part of the design. The non-continuous lines on the features of the design clarify the shape and form of the surfaces shown, but are not surface markings or elements of pattern and ornamentation.

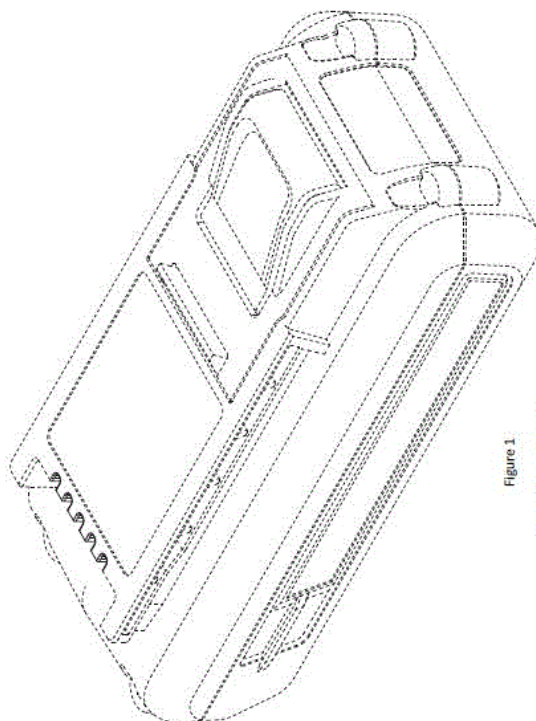


Figure 1
Three-dimensional view

21: A2020/00292 22: 2020-03-04 23:
43: 2019-09-05
52: Class 13 24: Part A
71: Techtronic Cordless GP
33: US 31: 29/704,572 32: 2019-09-05

54: BATTERIES

57: The newness and distinctiveness of the design resides in the features of shape and/or configuration of a battery as illustrated in the representations.

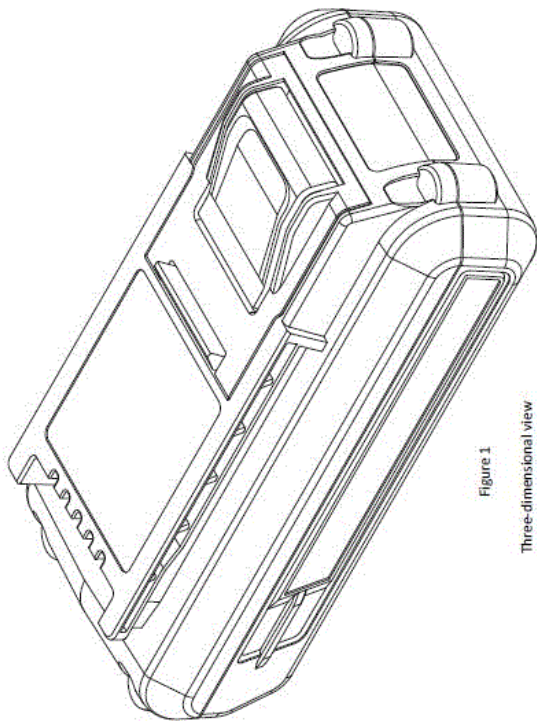


Figure 1
Three-dimensional view

21: A2020/00293 22: 2020-03-04 23:
43: 2019-09-05
52: Class 13 24: Part A
71: Techtronic Cordless GP
33: US 31: 29/704,572 32: 2019-09-05

54: BATTERIES

57: The newness and distinctiveness of the design resides in the features of shape and/or configuration of a battery as illustrated in the representations.

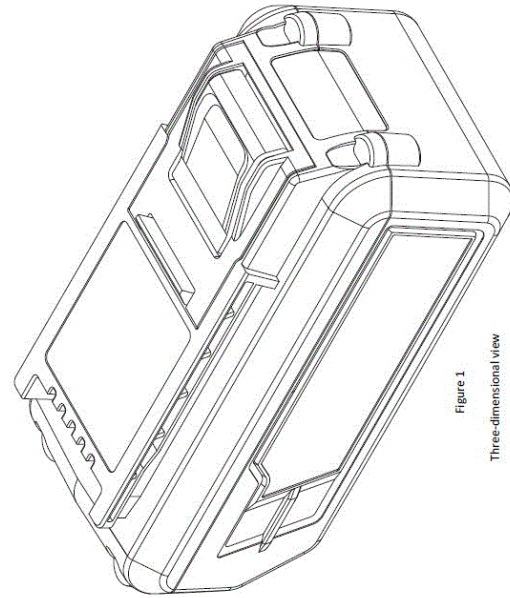


Figure 1
Three-dimensional view

21: A2020/00295 22: 2020-03-04 23:
43: 2019-09-05
52: Class 13 24: Part A
71: Techtronic Cordless GP
33: US 31: 29/704,577 32: 2019-09-05

54: BATTERIES

57: The newness and distinctiveness of the design resides in the features of shape and/or configuration of a battery terminal interface as illustrated in the representations. The battery features shown in dotted lines are provided to give context to the nature and use of the design, but do not form part of the design. The non-continuous lines on the features of the design clarify the shape and form of the surfaces shown, but are not surface markings or elements of pattern and ornamentation.

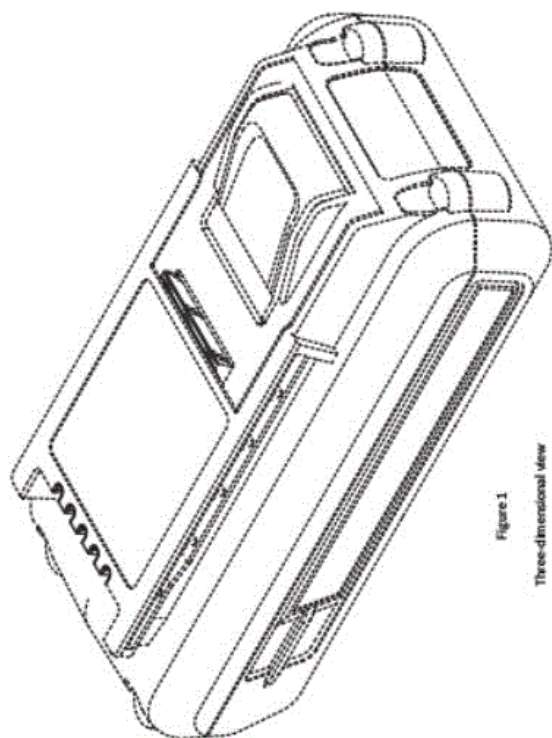


Figure 1
Three-dimensional view



Figure 1
Three-dimensional view

21: A2020/00327 22: 2020-03-10 23:
43: 2019-09-10
52: Class 15 24: Part A
71: Koninklijke Philips N.V.
33: EM(NL) 31: 006852687-0002 32: 2019-09-10

54: VACUUM CLEANERS

57: The design is for a vacuum cleaner and, in particular, for a canister vacuum cleaner. In top view, the vacuum cleaner has a generally semi-elliptical outline. A hose connection protrudes from an arched front-end surface of the vacuum cleaner. A C-shaped carrying handle protrudes from the arched front-end surface operatively above the hose connection. A large wheel, having a recessed star-like formation representing five spaced spokes extending from a central wheel axis, is provided on each side of a rear end of the vacuum cleaner. A laterally offset circular dust container lid is provided on a generally flat, slightly sloped upper surface of the vacuum cleaner towards the front-end thereof. A small wheel protrudes from a generally flat bottom surface of the vacuum cleaner proximate the hose connection.

21: A2020/00372 22: 2020-03-18 23:
43: 2019-09-18
52: Class 28 24: Part A
71: Dorco Co., Ltd.
33: KR 31: 30-2019-0044737 32: 2019-09-18

54: RAZORS

57: The design is for a razor. The razor has an elongate handle that tapers slightly to a proximate end thereof. The handle includes a grip portion, button portion and neck portion. The button portion is located in a part where a cartridge and the handle are connected in the form of a round and flat disk. The grip portion has a long cylindrical shape. The neck portion is a slender part between the button portion and the grip portion and is designed to enable the razor to be held easily by a user.

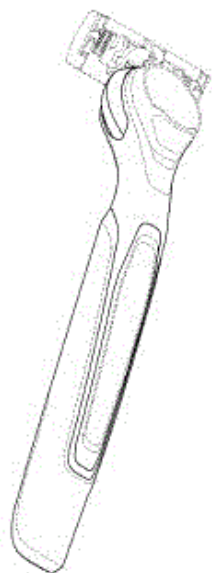


Figure 1
Three-dimensional view

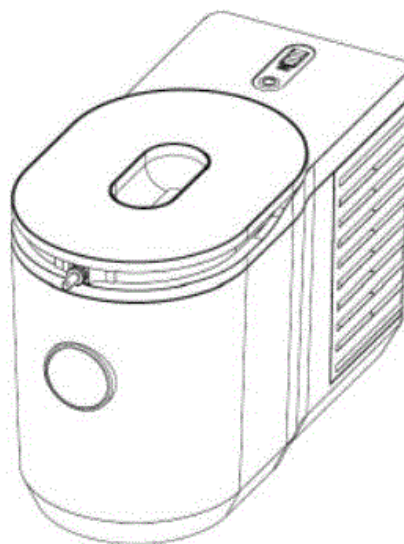


Figure 1
Three-dimensional view

21: A2020/00405 22: 2020-03-24 23:
43: 2019-10-02
52: Class 7 24: Part A
71: Jura Elektroapparate AG
33: EM(DE) 31: 006967626 32: 2019-10-02

54: COOLING UNITS

57: The design is for a cooling unit. The cooling unit has a three-dimensional body consisting of a generally oval cylindrical portion and a rectangular cylindrical portion protruding from a first end of the oval cylindrical portion. A circular formation is defined on a second end of the oval cylindrical portion and an oval recess is defined in a top surface of the oval cylindrical portion. Horizontal slots defining ribs are provided along side surfaces of the rectangular cylindrical portion.

21: A2020/00432 22: 2020-05-04 23:
43: 2021-11-04
52: Class 09 24: Part A
71: NIORO PLASTICS (PTY) LTD

54: BOTTLE CLOSURE

57: The design is applied to a bottle closure. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle closure, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

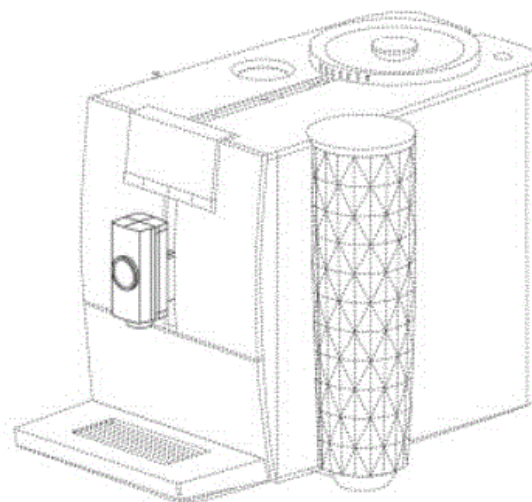
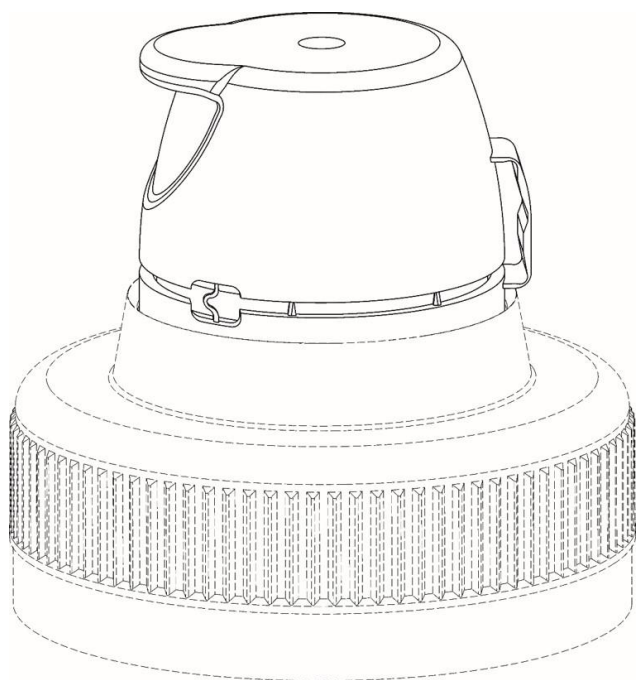


Figure 1

Three-dimensional view

21: A2020/00459 22: 2020-05-04 23:
43: 2019-10-02

52: Class 7 24: Part A

71: Jura Elektroapparate AG

33: EM(DE) 31: 006967618-0001 32: 2019-10-02

54: COFFEE MAKERS

57: The design is for a part of a coffee maker having a vertically movable arm connected to a spout having a generally rectangular cuboid shape in a vertical orientation. A front face of the spout includes a centrally disposed circular protrusion. A central, circular protrusion projects from a bottom surface of the spout.

21: A2020/00460 22: 2020-05-04 23:
43: 2019-10-02

52: Class 7 24: Part A

71: Jura Elektroapparate AG

33: EM(DE) 31: 006967618-0002 32: 2019-10-02

54: COFFEE MAKERS

57: The design is for a coffee maker having a narrow generally rectangular cuboid body with rounded rear corners. A rectangular platform extends from a bottom of a front face of the body and includes a central, rectangular, slatted drip tray. A vertically movable arm extends from the middle of the front face of the body to connect to a spout having a generally rectangular cuboid shape in a vertical orientation. A front face of the spout includes a central circular protrusion. A top face of the body includes a circular lid towards the rear of the top face, which lid includes a central, inverted frusto-conical handle. A cylindrical reservoir is located in a side of the body towards the front and includes a circumferentially wrapped diamond-shaped grid pattern. An opposite side defines two vertical, rectangular vents located towards a rear.

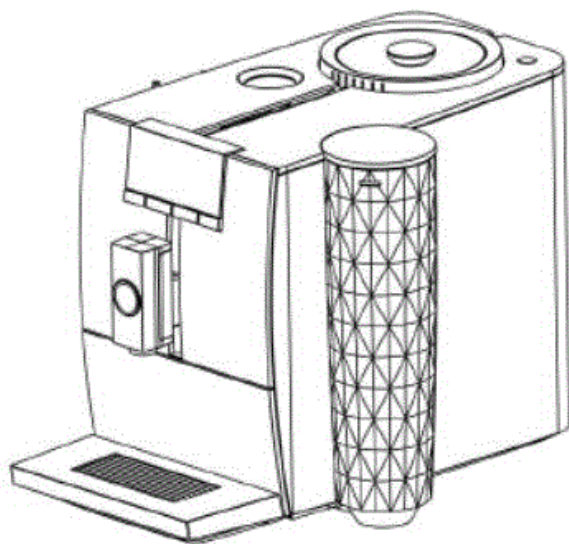


Figure 1
Three-dimensional view

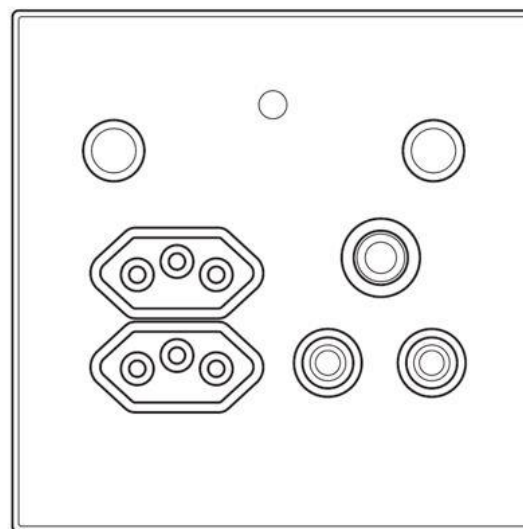


Figure 3
Front view of a second wall socket in accordance with the design

21: A2020/00951 22: 2020-07-09 23:
43: 2021-11-09
52: Class 13 24: Part A
71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

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 multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

21: A2020/00953 22: 2020-07-09 23:
43: 2021-11-09
52: Class 13 24: Part A
71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

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 multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between Universal Serial Bus (USB) sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

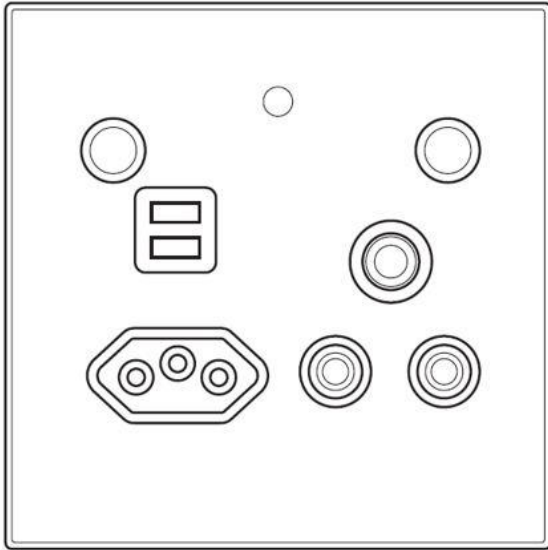


Figure 3

Front view of a second wall socket in accordance with the design

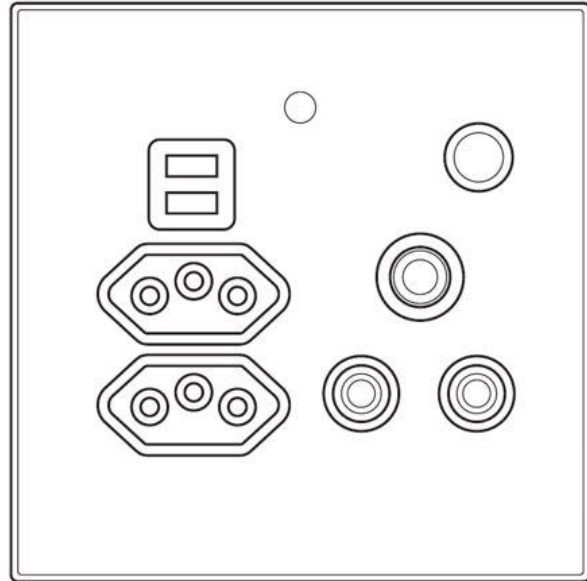


Figure 5

Front view of a third wall socket in accordance with the design

21: A2020/00955 22: 2020-07-09 23:

43: 2021-11-09

52: Class 13 24: Part A

71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

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 multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and irrespective of the number of and spacing between Universal Serial Bus (USB) sockets forming part of the multifunctional wall socket, wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

21: A2020/00957 22: 2020-07-09 23:

43: 2021-12-09

52: Class 13 24: Part A

71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

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 multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

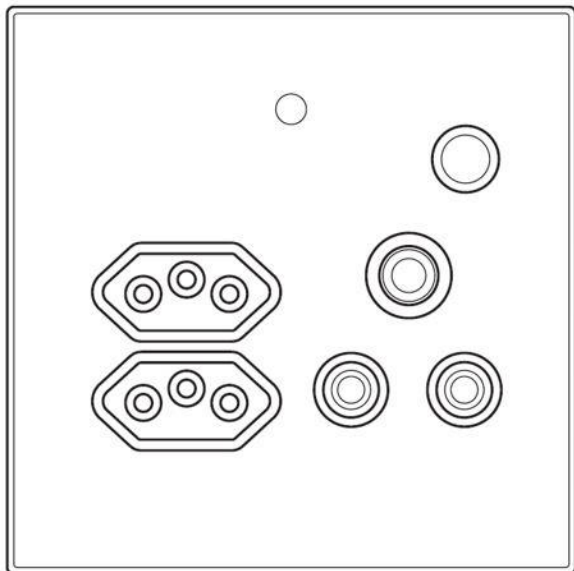


Figure 5

Front view of a third wall socket in accordance with the design

21: A2020/01069 22: 2020-07-31 23:
43: 2021-04-26

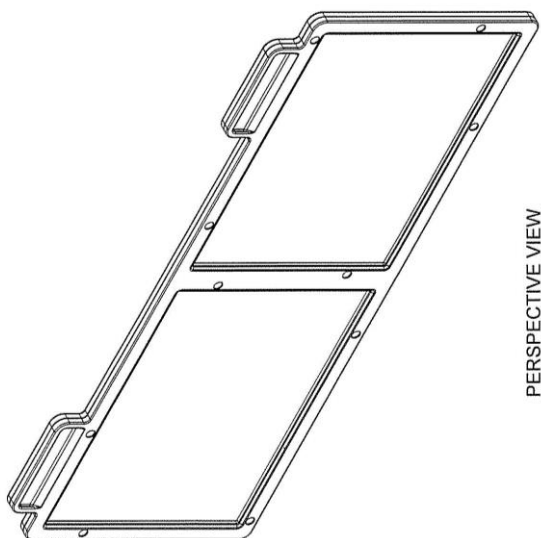
52: Class 23 24: Part A

71: SYNEXIS LLC

33: US 31: 29/723,874 32: 2020-02-11

54: CATALYTIC SAIL FOR A DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE

57: The design is to be applied to a catalytic sail for a dry hydrogen peroxide (DHP) generating device. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations.



21: A2020/01070 22: 2020-07-31 23:

43: 2021-04-22

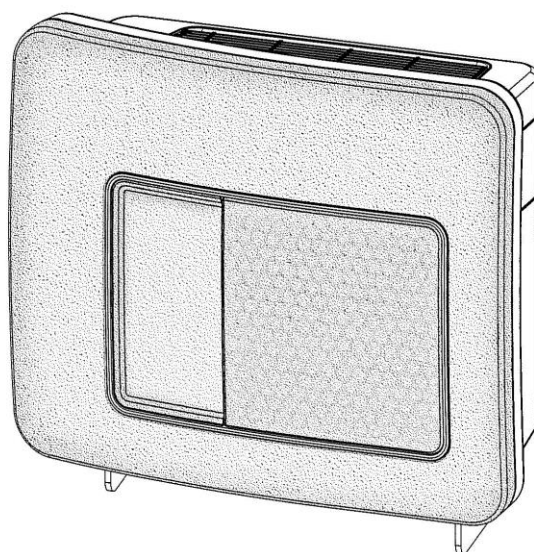
52: Class 23 24: Part A

71: SYNEXIS LLC

33: US 31: 29/722,755 32: 2020-01-31

54: DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE

57: The design is to be applied to a dry hydrogen peroxide (DHP) generating device. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations. The broken lines are for illustrative purposes only and form no part of the claimed design.

PERSPECTIVE VIEW

21: A2020/01071 22: 2020-07-31 23:

43: 2021-04-22

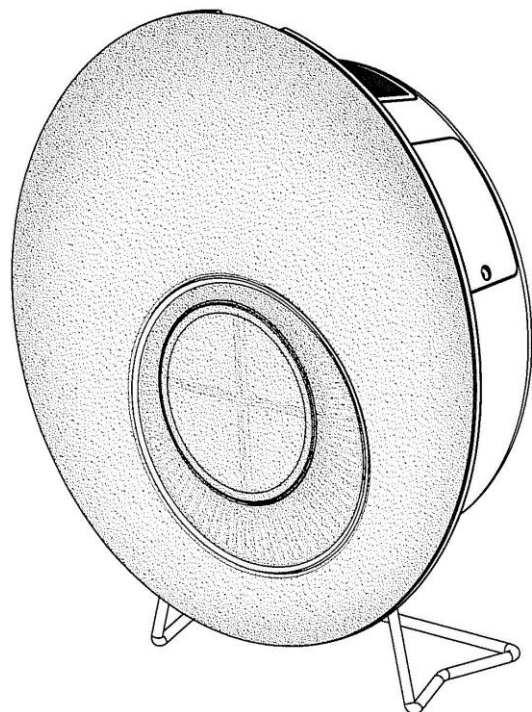
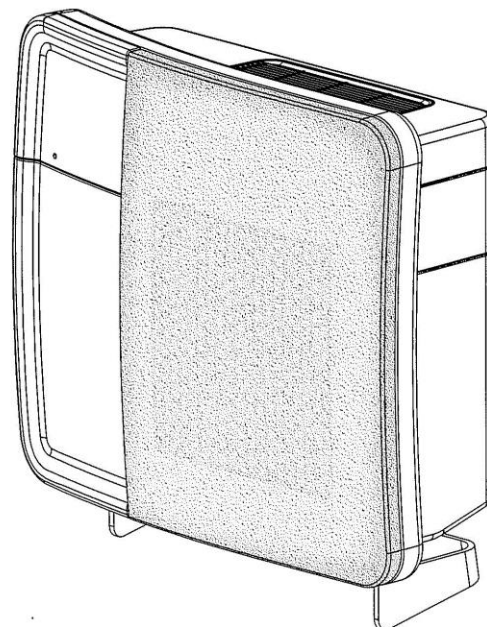
52: Class 23 24: Part A

71: SYNEXIS LLC

33: US 31: 29/722,751 32: 2020-01-31

54: DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE

57: The design is to be applied to a dry hydrogen peroxide (DHP) generating device. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations.

PERSPECTIVE VIEWPERSPECTIVE VIEW

21: A2020/01072 22: 2020-07-31 23:

43: 2021-04-22

52: Class 23 24: Part A

71: SYNEXIS LLC

33: US 31: 29/722,753 32: 2020-01-31

54: DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE

57: The design is to be applied to a dry hydrogen peroxide (DHP) generating device. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations.

21: A2020/01073 22: 2020-07-31 23:

43: 2021-04-22

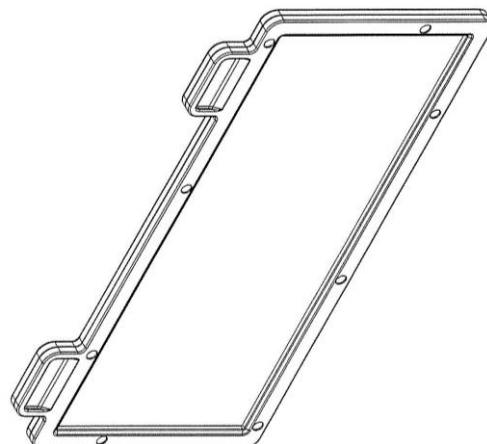
52: Class 23 24: Part A

71: SYNEXIS LLC

33: US 31: 29/723,873 32: 2020-02-11

54: CATALYTIC SAIL DESIGN FOR A DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE

57: The design is to be applied to a catalytic sail design for a dry hydrogen peroxide (DHP) generating device. The features for which protection is claimed are those of shape and/or configuration and/or pattern, substantially as shown in the representations.

PERSPECTIVE VIEW

21: A2020/01080 22: 2020-08-07 23:
 43: 2020-02-10
 52: Class 2 24: Part A
 71: Canterbury Limited
 33: EM(GB) 31: 007687702-0001 32: 2020-02-10

54: GARMENTS

57: The design is for a garment and in particular for a red sports shirt having a trimmed crew neck with a white collar extending from a front neckline and flaring outwardly from the neckline. A pair of elongate contouring strips extend downwardly from a trim on the back panel of the shirt, the trim continuing to the front panel thereof. At the rear panel, a pair of narrow lines curve inwardly from a waist towards a bottom of the shirt defining two side panels opposite each other. A double strip extends partially along a bottom edge, a first part of the strip being green and white, while a second part is blue and white. Each sleeve is trimmed in the front with opposite but corresponding coloured strips to those on the bottom of the shirt. Each sleeve includes the face of a lion with triangular shards expanding outwardly from the lion's face.

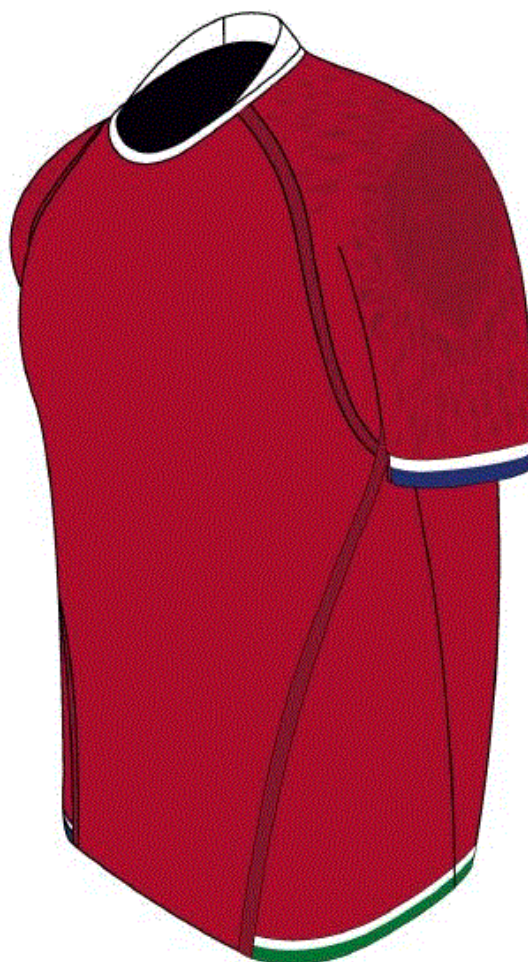


Figure 1

Three-dimensional view

21: A2020/01117 22: 2020-08-17 23:
 43: 2021-11-09
 52: Class 29 24: Part A
 71: STECH ENGINEERING PROJECTS CC
 54: FACE MASKS

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 face mask substantially as illustrated in the accompanying representations.

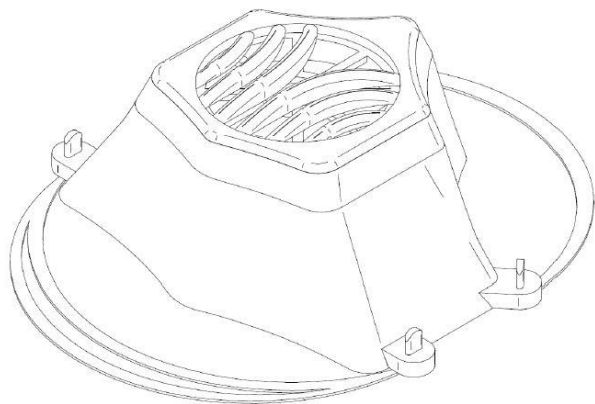


Figure 1

Perspective view of a first example of the face mask in an assembled condition

21: A2020/01119 22: 2020-08-17 23:

43: 2021-11-09

52: Class 29 24: Part A

71: STECH ENGINEERING PROJECTS CC

54: FACE MASKS

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 face mask substantially as illustrated in the accompanying representations.

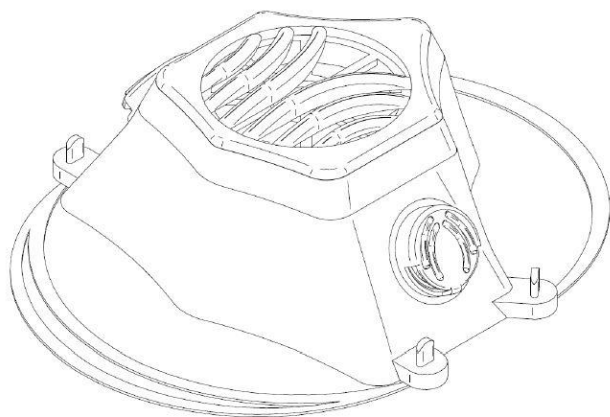


Figure 1

Perspective view of a first example of the face mask in an assembled condition

21: A2020/01170 22: 2020-08-31 23:

43: 2020-03-02

52: Class 4 24: Part A

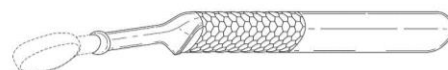
71: GSK Consumer Healthcare S.A.

33: EM(GB) 31: 007728688-0001 32: 2020-03-02

54: TOOTHBRUSHES

57: The design is for a toothbrush having an elongate body. The body includes a handle and an elongate, inclined neck projecting from the handle.

The handle has an oval cross-sectional profile and a circumferential, honey-combed gripping formation around an upper region of the handle, proximate the neck. An inclined ridge extends from a front face of the handle from which the neck extends. A distal end of the neck includes a circumferential bulge. The neck is gently forwardly upwardly inclined.

Figure 1
Three-dimensional view

21: A2020/01171 22: 2020-08-31 23:

43: 2020-03-02

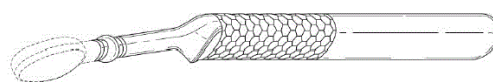
52: Class 4 24: Part A

71: GSK Consumer Healthcare S.A.

33: EM(GB) 31: 007728688-0002 32: 2020-03-02

54: TOOTHBRUSHES

57: The design is for a toothbrush having an elongate body. The body includes a handle and an elongate, inclined neck projecting from the handle. The handle has an oval cross-sectional profile and a circumferential, honey-combed gripping formation around an upper region of the handle, proximate the neck. An inclined ridge extends from a front face of the handle from which the neck extends. A distal end of the neck includes a circumferential bulge. The neck is gently forwardly upwardly inclined. The neck further includes two arcuate circumferential strips or markings, one on either side of the bulge.

Figure 1
Three-dimensional view

21: A2020/01172 22: 2020-08-31 23:

43: 2020-03-02

52: Class 4 24: Part A

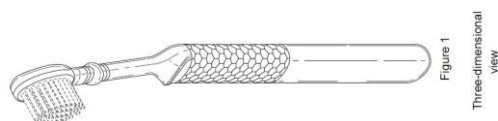
71: GSK Consumer Healthcare S.A.

33: EM(GB) 31: 007728688-0003 32: 2020-03-02

54: TOOTHBRUSHES

57: The design is for a toothbrush having an elongate body. The body includes a handle and an elongate, inclined neck projecting from the handle. The handle has an oval cross-sectional profile and a circumferential, honey-combed gripping formation around an upper region of the handle, proximate the neck. An inclined ridge extends from a front face of the handle from which the neck extends. A distal end of the neck includes a circumferential bulge. The neck is gently forwardly upwardly inclined. The neck further includes two arcuate circumferential strips or markings, one on either side of the bulge. The head bulges outward from sides of the neck to form

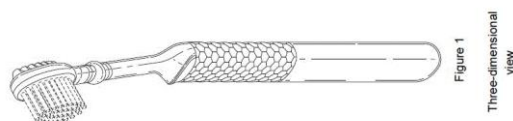
generally ovoid front and rear faces which are parallel.



21: A2020/01173 22: 2020-08-31 23:
43: 2020-03-02
52: Class 4 24: Part A
71: GSK Consumer Healthcare S.A.
33: EM(GB) 31: 007728688-0004 32: 2020-03-02

54: TOOTHBRUSHES

57: The design is for a toothbrush having an elongate body. The body includes a handle and an elongate, inclined neck projecting from the handle. The handle has an oval cross-sectional profile and a circumferential, honey-combed gripping formation around an upper region of the handle, proximate the neck. An inclined ridge extends from a front face of the handle from which the neck extends. A distal end of the neck includes a circumferential bulge. The neck is gently forwardly upwardly inclined. The neck further includes two arcuate circumferential strips or markings, one on either side of the bulge. The head bulges outward from sides of the neck to form generally ovoid front and rear faces which are parallel. A series of stacked arcuate ridges extend downwardly along the rear face of the head.



21: A2020/01224 22: 2020-09-10 23:
43: 2021-11-09
52: Class 12 24: Part A
71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD

54: DOOR FOR A SIDE PANEL OF A VEHICLE CANOPY

57: The features of the design for which protection is sought reside in the shape and/or configuration and/or pattern and/or ornamentation of a door for a side panel of a vehicle canopy, substantially as shown in Figures 1 to 5, irrespective of the latches and fastening elements shown in Figures 1 to 5, and wherein Figures 6 and 7 are included as non-limiting examples of the door in use.

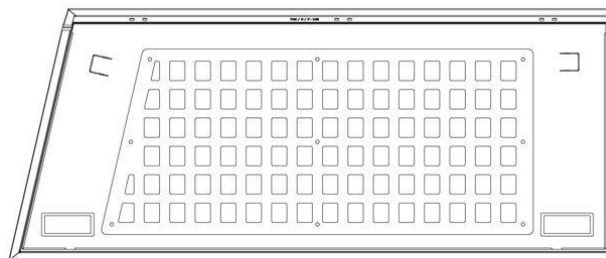


Figure 1
Front view of the door

21: A2020/01395 22: 2020-10-23 23:
43: 2021-11-18
52: Class 12 24: Part A
71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD

54: A PLATE FOR A VEHICLE CANOPY

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation of a plate for a vehicle canopy, substantially as illustrated in Figures 1 to 12 of the accompanying representations, wherein the essential features of the design reside in the flange and return lip of the plate, and wherein the design of the remainder of the plate, including the openings therein, may be varied.

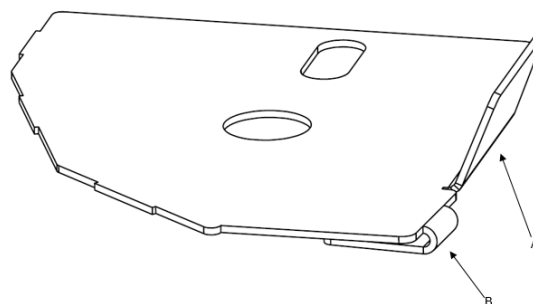
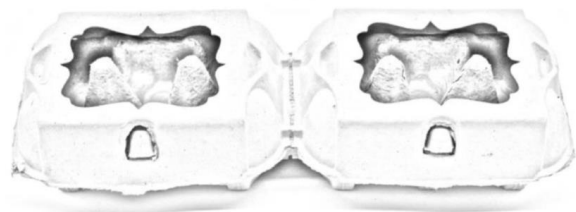


Figure 1
First perspective view of the plate

21: A2020/01429 22: 2020-11-05 23:
43: 2021-06-29
52: Class 09 24: Part A
71: Kyle Gradus-Samson

54: EGG CARTON

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 egg carton as shown in the accompanying representations.

**3D VIEW**

21: A2020/01534 22: 2020-11-26 23:

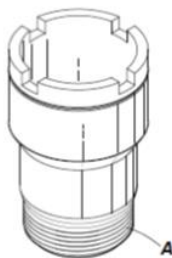
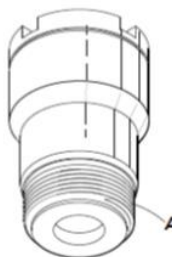
43: 2021-06-24

52: Class 15 24: Part A

71: RABE, SCHALK WILLEM

54: INSULATING MEMBER FOR AN INJECTOR

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of an insulating member for an injector for use with a modified cylinder head of a vehicle as shown in the accompanying representations.

**FIRST PERSPECTIVE VIEW****SECOND PERSPECTIVE VIEW**

21: A2020/01589 22: 2020-12-04 23:

43: 2021-11-09

52: Class 09 24: Part A

71: TIGER FOOD BRANDS INTELLECTUAL
PROPERTY HOLDING COMPANY (PTY) LIMITED

54: BOTTLES

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a bottle substantially as illustrated in the accompanying representations.

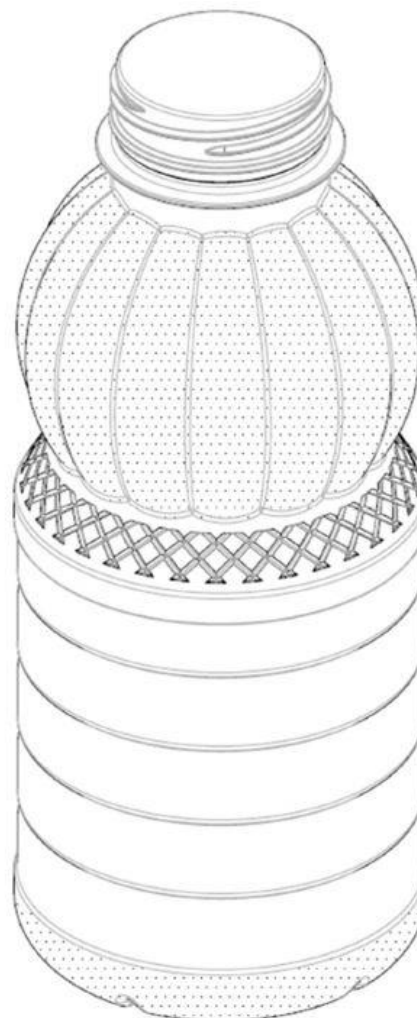


Figure 1

Perspective view

21: A2021/00009 22: 2021-01-05 23:

43: 2021-11-18

52: Class 12 24: Part A

71: ROCK SOLID INDUSTRIES INTERNATIONAL
(PTY) LTD

54: CANOPY FOR A VEHICLE

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 canopy for a vehicle substantially as illustrated in the accompanying representations, irrespective of the design of a rear door of the canopy which is shown in Figures 2 and 6.

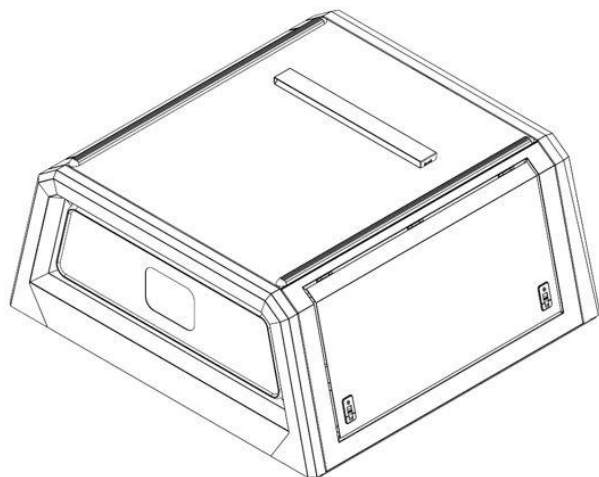


Figure 1

Perspective view of the canopy from the front

21: A2021/00031 22: 2021-01-21 23:
43: 2021-12-13

52: Class 23 24: Part A

71: HANS GROHE SE

33: EU 31: 008080774-0003 32: 2020-08-05

54: FAUCET

57: The features of the design for which protection is claimed are those of the shape and/or configuration of the faucet substantially as illustrated in the accompanying drawing.



21: A2021/00096 22: 2021-02-05 23:

43: 2020-08-07

52: Class 12 24: Part A

71: The Goodyear Tire & Rubber Company

33: EM(LU) 31: 008085641-0001 32: 2020-08-07

54: TIRES

57: A tread for a tire having five rows of tread elements, a left and right shoulder row, a left and right intermediate row, and a central row. Each row is separated from an adjacent row by a circumferentially continuous groove. Each tread element of the shoulder rows is partially separated from an adjacent element in the same row by a generally v-shaped groove. The intermediate rows and the central row each comprise a circumferential array of inclining quadrilateral block elements, adjacent block elements separated by an inclined groove and each block element having a medially located sipe extending laterally at an inclined angle relative to the grooves separating adjacent rows.



Figure 1

Three-dimensional view



Figure 1

Three-dimensional view

21: A2021/00097 22: 2021-02-05 23:
43: 2020-08-07
52: Class 12 24: Part A
71: The Goodyear Tire & Rubber Company
33: EM(LU) 31: 008085641-0002 32: 2020-08-07

54: TIRES

57: A tread for a tire having five rows of tread elements, a left and right shoulder row, a left and right intermediate row, and a central row. Each row is separated from an adjacent row by a circumferentially continuous groove. Each tread element of the shoulder rows has a medially located sipe and is partially separated from an adjacent element in the same row by a curved groove, wherein the sipe and groove extend laterally at an inclined angle relative to the grooves separating adjacent rows. The intermediate rows and the central row each comprise a circumferential array of inclining quadrilateral block elements, adjacent block elements separated by an inclined 8-shaped sipe.

21: A2021/00116 22: 2021-02-12 23:
43: 2021-11-11
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/746,598 32: 2020-08-14

54: Headphones

57: The design relates to headphones. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP FRONT PERSPECTIVE VIEW

21: A2021/00224 22: 2021-03-03 23:
43: 2020-09-03
52: Class 14 24: Part A
71: Peloton Interactive, Inc.
33: US 31: 29/749,241 32: 2020-09-03

54: DISPLAYS

57: The design is for a display comprising a rectangular body with landscape orientation, having a flat front surface and a rear surface, spaced apart by a narrow top and bottom wall and two narrow side walls. The front surface includes a large rectangular screen. The rear surface inclines upwardly to a centrally positioned, stadium-shaped raised portion that defines a smaller, central, stadium-shaped recess, the stadium shape being in the form of a rectangle with semicircles at a pair of opposite sides. A triangular element protrudes outwardly from the recess.

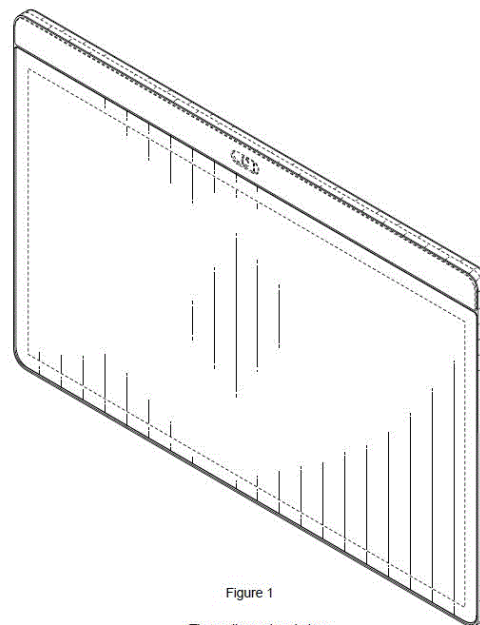


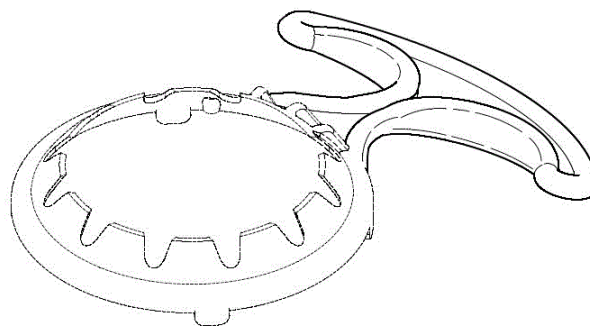
Figure 1

Three-dimensional view

21: A2021/00227 22: 2021-03-05 23:
43: 2021-03-05
52: Class 9 24: Part A
71: PRINS, Brian Keith

54: Handles for Carrying Bottles

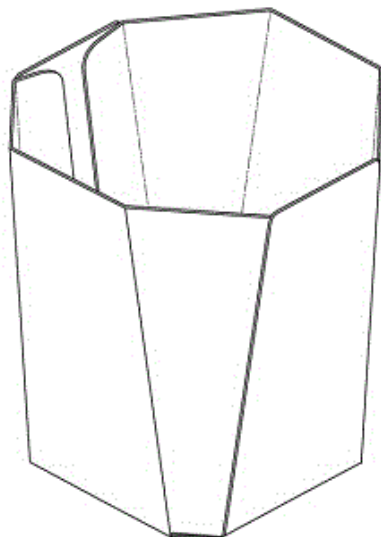
57: The design relates to a handle for carrying bottles. The handle comprises an annular formation with inwardly extending gripping formations (disclaimed) which fits onto the neck of a bottle and a T-shaped handle formation which extends from the annular formation and which is held in the hand of a person for carrying the bottle.



Three-dimensional view from top

21: A2021/00232 22: 2021-03-05 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: MPACT LIMITED
54: Herb Pot

57: The design relates to a herb pot. The features of the design are those of shape and/or configuration.

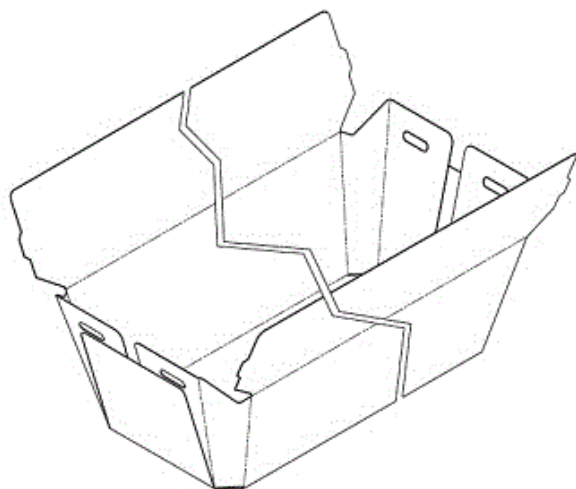


PERSPECTIVE VIEW

21: A2021/00234 22: 2021-03-05 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: MPACT LIMITED

54: Meal Box

57: The design relates to a meal box. The features of the design are those of shape and/or configuration.



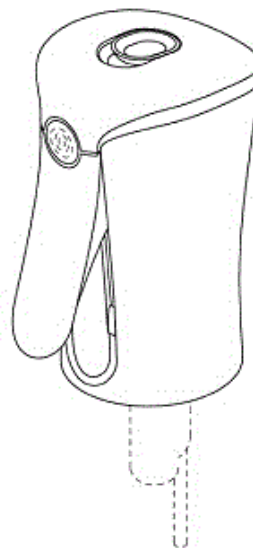
**PERSPECTIVE VIEW
OPEN**

21: A2021/00236 22: 2021-03-05 23:
43: 2021-11-02
52: Class 9. 24: Part A

71: DISPENSING TECHNOLOGIES B.V.

54: Spraying Head

57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.

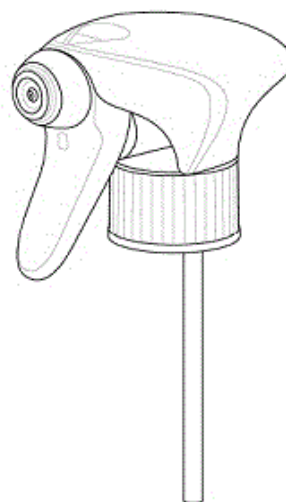


PERSPECTIVE VIEW

21: A2021/00237 22: 2021-03-05 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.

54: Spraying Head

57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

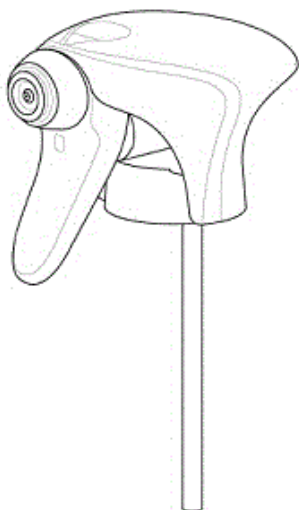


PERSPECTIVE VIEW

21: A2021/00238 22: 2021-03-05 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.

54: Spraying head

57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00242 22: 2021-03-08 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/754,873 32: 2020-10-15

54: Bottle with Buffalo Shape

57: The design relates to a bottle with a buffalo shape. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND LEFT SIDE
PERSPECTIVE VIEW

21: A2021/00243 22: 2021-03-08 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/757,675 32: 2020-11-09

54: Manual Carry Strap

57: The design relates to a manual carry strap. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE
PERSPECTIVE VIEW

21: A2021/00245 22: 2021-03-10 23:
43: 2021-11-02
52: Class 3. 24: Part A
71: DECATHLON

33: EM 31: 008197461-0001 32: 2020-10-07

54: Hiking Bag

57: The design relates to a hiking bag. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00246 22: 2021-03-10 23:

43: 2021-11-02

52: Class 3. 24: Part A

71: DECATHLON

33: EM 31: 008197461-0002 32: 2020-10-07

54: Hiking Bag

57: The design relates to a hiking bag. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00248 22: 2021-03-10 23:

43: 2021-11-02

52: Class 3. 24: Part A

71: DECATHLON

33: EM 31: 008200299-0002 32: 2020-10-09

54: Hiking Bag

57: The design relates to a hiking bag. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00249 22: 2021-03-10 23:

43: 2021-11-02

52: Class 3. 24: Part A

71: DECATHLON

33: EM 31: 008200299-0003 32: 2020-10-09

54: Hiking Bag

57: The design relates to a hiking bag. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00251 22: 2021-03-11 23:

43: 2021-03-11

52: Class 9 24: Part A

71: CREDSCAN (PROPRIETARY) LIMITED

54: Bottles

57: The design is for a bottle configured to be held by a right hand of a person, a bottle for a left hand being a negative/mirror of the bottle represented. The bottle comprises a hollow body having bottleneck and base portions spaced by an integral waist portion. The waist portion is configured to be held by a right hand of the person and comprises a plurality of angularly disposed parallel grooves on one side of the bottle for receiving fingers of the right hand of a person, in use. The bottle further comprises a single groove, larger than each of the parallel grooves, for receiving a thumb of the right hand of the person in said single groove thereby to facilitate ease of handling of the bottle, in use. The bottle defines a generally V-shaped zone configured to locate between the thumb and index finger of a user, in use.



First three-dimensional view

21: A2021/00263 22: 2021-03-15 23:

43: 2021-11-02

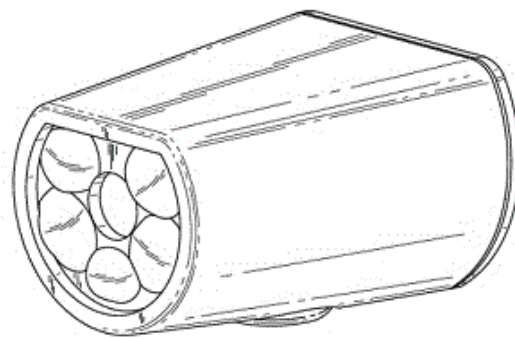
52: Class 26. 24: Part A

71: PATHY MEDICAL, LLC

33: US 31: 29/750,622 32: 2020-09-15

54: Lighting Device

57: The design relates to a lighting device. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2021/00266 22: 2021-03-17 23:

43: 2020-09-18

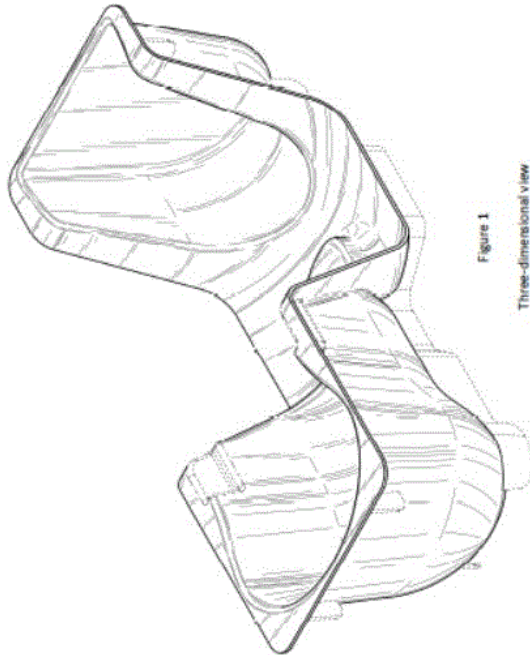
52: Class 9 24: Part A

71: Janssen Biotech, Inc.

33: US 31: 29/751,225 32: 2020-09-18

54: PACKAGING

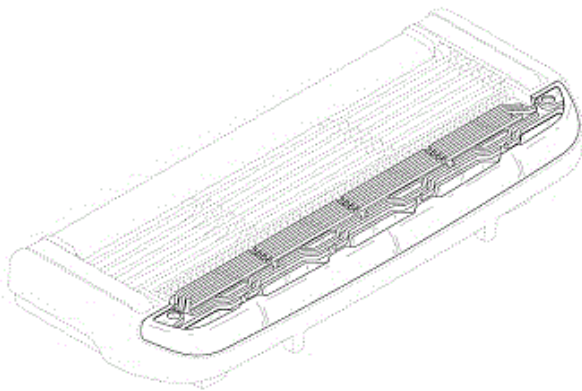
57: The design is applied to a packaging comprising an elongate body defining oppositely located deeper and shallower part-circular end cavities which are connected by a bridge section along which sidewalls of the body are interrupted.



21: A2021/00269 22: 2021-03-18 23: 43: 2021-11-02
52: Class 28. 24: Part A
71: DORCO CO., LTD.
33: KR 31: 30-2020-0059439 32: 2020-12-03

54: Razor Cartridge

57: The design relates to a razor cartridge. The features of the design are those of shape and/or configuration and/or ornamentation.

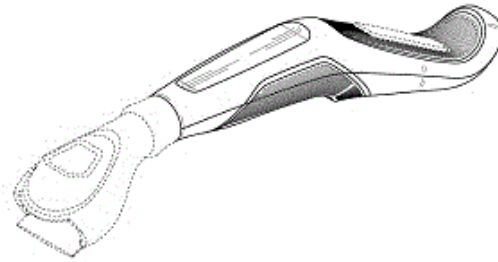


TOP PERSPECTIVE VIEW

21: A2021/00270 22: 2021-03-18 23: 43: 2021-11-02
52: Class 28. 24: Part A
71: DORCO CO., LTD.
33: KR 31: 30-2021-0002108 32: 2021-01-14

54: Razor Handle

57: The design relates to a razor handle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

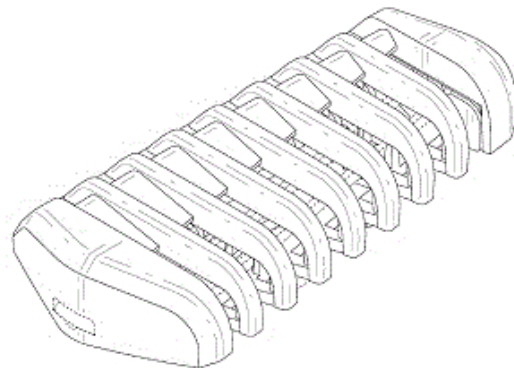


TOP PERSPECTIVE VIEW

21: A2021/00271 22: 2021-03-18 23: 43: 2021-11-02
52: Class 28. 24: Part A
71: DORCO CO., LTD.
33: KR 31: 30-2021-0002109 32: 2021-01-14

54: Razor Cartridge

57: The design relates to a razor cartridge. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP PERSPECTIVE VIEW

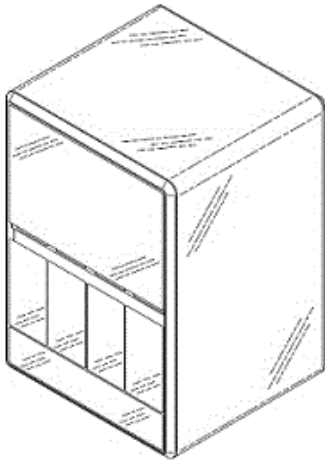
21: A2021/00277 22: 2021-03-19 23: 43: 2021-11-02
52: Class 24. 24: Part A

71: CEPHEID

33: US 31: 29/751,420 32: 2020-09-21

54: Diagnostic Assay System

57: The design relates to a diagnostic assay system. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



**FRONT PERSPECTIVE VIEW WITH
TILTABLE USER INTERFACE SCREEN IN
CLOSED POSITION**

21: A2021/00278 22: 2021-03-23 23:

43: 2021-03-23

52: Class 6 24: Part A

71: UNIVERSITY OF JOHANNESBURG

54: TABLES

57: The design is applied to a table. The features of the design for which protection is claimed include the shape and/or configuration of the table substantially as shown in the accompanying representations.



Three-dimensional view from top in first configuration

21: A2021/00280 22: 2021-03-23 23:

43: 2021-11-02

52: Class 23 24: Part A

71: GROHE AG

33: EU 31: 008314124-0001 32: 2020-12-10

54: BASIN MIXER

57: The features of this design for which protection are claimed include the shape and/or configuration of a basin mixer substantially as illustrated in the accompanying representations.



21: A2021/00281 22: 2021-03-23 23:

43: 2021-11-02

52: Class 23 24: Part A

71: GROHE AG

33: EU 31: 008314124-0006 32: 2020-12-10

54: BASIN MIXER

57: The features of this design for which protection are claimed include the shape and/or configuration of a basin mixer substantially as illustrated in the accompanying representations.



21: A2021/00282 22: 2021-03-23 23:

43: 2021-11-02

52: Class 23 24: Part A

71: GROHE AG

33: EU 31: 008314124-0012 32: 2020-12-10

54: BASIN MIXER

57: The features of this design for which protection are claimed include the shape and/or configuration of a basin mixer substantially as illustrated in the accompanying representations.



21: A2021/00283 22: 2021-03-23 23:

43: 2021-11-02

52: Class 23 24: Part A

71: GROHE AG

33: EU 31: 008314124-0018 32: 2020-12-10

54: BASIN MIXER

57: The features of this design for which protection are claimed include the shape and/or configuration of a basin mixer substantially as illustrated in the accompanying representations.



21: A2021/00287 22: 2021-03-23 23:

43: 2020-09-23

52: Class 24 24: Part A

71: Precision ADM Inc.

33: CA 31: 198349 32: 2020-09-23

54: HEAD STRAPS

57: The design is related to head straps for attaching a respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the head strap, substantially as shown in the representations.

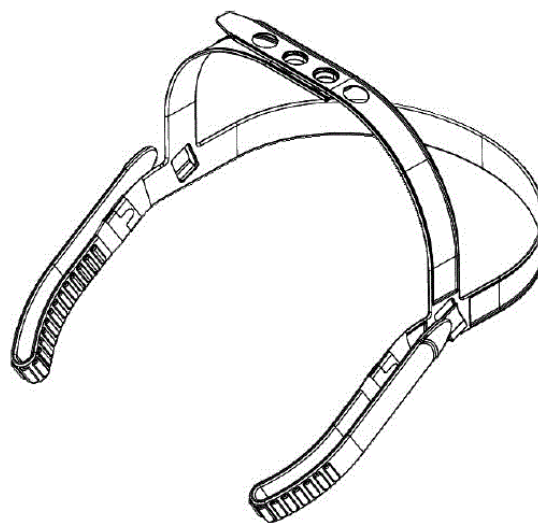


Figure 1

Three-dimensional view

21: A2021/00288 22: 2021-03-23 23:

43: 2020-09-23

52: Class 29 24: Part A

71: Precision ADM Inc.

33: CA 31: 198349 32: 2020-09-23

54: HEAD STRAPS

57: The design is related to head straps for attaching a respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the head strap, substantially as shown in the representations.

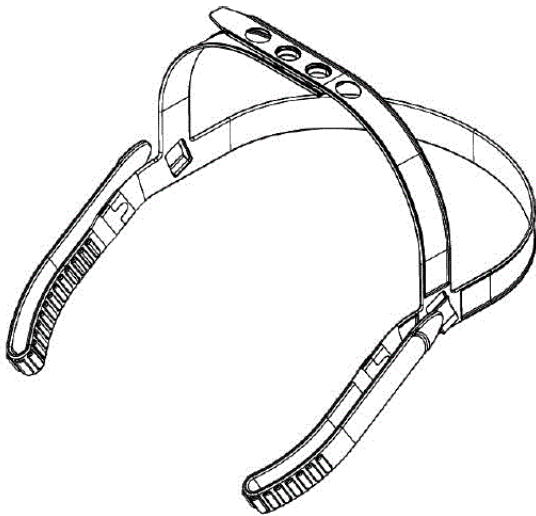


Figure 1

Three-dimensional view

21: A2021/00293 22: 2021-03-23 23:
43: 2020-09-23

52: Class 24 24: Part A

71: Precision ADM Inc.

33: CA 31: 198345 32: 2020-09-23

54: NECK STRAPS

57: The design is related to neck straps for attaching a respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the neck strap, substantially as shown in the representations.

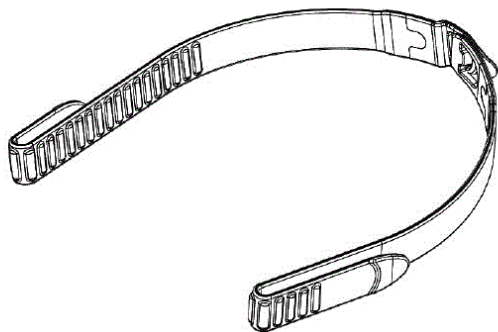


Figure 1

Three-dimensional view in a connected configuration

21: A2021/00294 22: 2021-03-23 23:
43: 2020-09-23

52: Class 29 24: Part A

71: Precision ADM Inc.

33: CA 31: 198345 32: 2020-09-23

54: NECK STRAPS

57: The design is related to neck straps for attaching a respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the neck strap, substantially as shown in the representations.

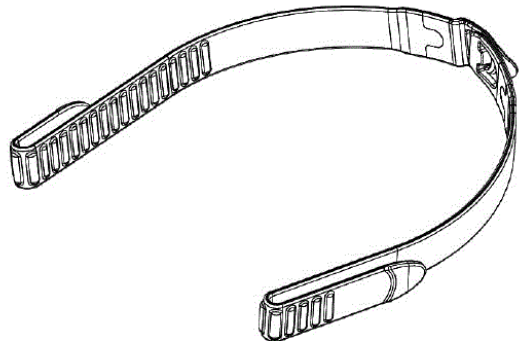


Figure 1

Three-dimensional view in a connected configuration

21: A2021/00295 22: 2021-03-23 23:

43: 2020-09-23

52: Class 24 24: Part A

71: Precision ADM Inc.

33: CA 31: 198341 32: 2020-09-23

54: RESPIRATORY APPARATUS

57: The design is related to a respiratory apparatus having a respiratory mask with neck straps and head straps for attaching the respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the respiratory apparatus, substantially as shown in the representations, but those aspects shown in dotted lines are optional and do not form an essential part of the design.



Figure 1
Three-dimensional view

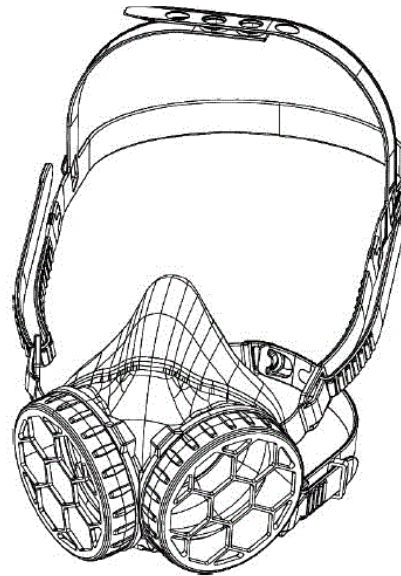


Figure 1
Three-dimensional view

21: A2021/00296 22: 2021-03-23 23:
43: 2020-09-23
52: Class 29 24: Part A
71: Precision ADM Inc.
33: CA 31: 198341 32: 2020-09-23

54: RESPIRATORY APPARATUS

57: The design is related to a respiratory apparatus having a respiratory mask with neck straps and head straps for attaching the respiratory apparatus to a user's head. The features of the design for which protection is claimed include the pattern, and/or the shape, and/or the configuration, and/or the ornamentation of the respiratory apparatus, substantially as shown in the representations, but those aspects shown in dotted lines are optional and do not form an essential part of the design.

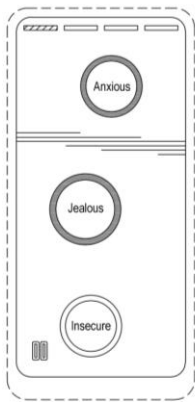
21: A2021/00299 22: 2021-03-24 23:
43: 2021-12-15

52: Class 14 24: Part A

71: ASTI, Mehmet Allan

54: GRAPHICAL USER INTERFACES

57: The design is for a graphical user interface (GUI) of a mobile application as viewed on a screen of a mobile device. The GUI consists of representations in the form of a plurality bubbles that flow from the bottom to the top of the screen. The bubbles each contain the name of an emotion therein, which emotions are indicative of emotions which may be experienced by a user of the mobile device. The GUI is interactive, and the user may tap on one or more bubbles containing an emotion experienced by them, causing the bubble to be illuminated and indicating its selection. A progress bar with four segments at the top of the screen shows how much of the activity remains, with a pause bottom at the bottom left of the screen selectively allowing the flow of bubbles to be stopped.



Two-dimensional front view

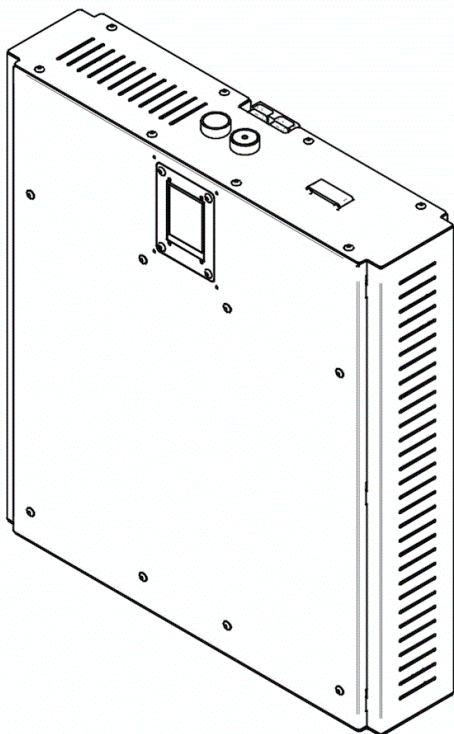
21: A2021/00303 22: 2021-03-25 23:
43: 2021-12-01

52: Class 13 24: Part A

71: Jacob Johannes Kachelhoffer

54: BATTERY MODULE

57: The design relates to a Battery module. The features of the design are those of shape and/or pattern and/or configuration.



21: A2021/00305 22: 2021-03-25 23:
43: 2020-09-26
52: Class 15 24: Part A

71: Weir Slurry Group, Inc.

33: US 31: 29/752,331 32: 2020-09-26

54: PUMP LINERS

57: The design is for a pump liner for a centrifugal pump, the pump liner comprising a hollow ring-shaped body with an upwardly projecting pipe at a side of the body. An upper portion of the pipe has an open end with a circular mouth. An inner diameter of the body includes an annular collar at a front and rear surface of the body. An annular lip is provided around a periphery of the mouth. A neck of the pipe has a pair of circumferentially extending ridges. A pair of concavely curved protruding ribs are arranged below the pipe, curving towards a bottom portion of the body. A side wall of the body includes a centrally positioned contouring line that extends from the neck along the length of the body.

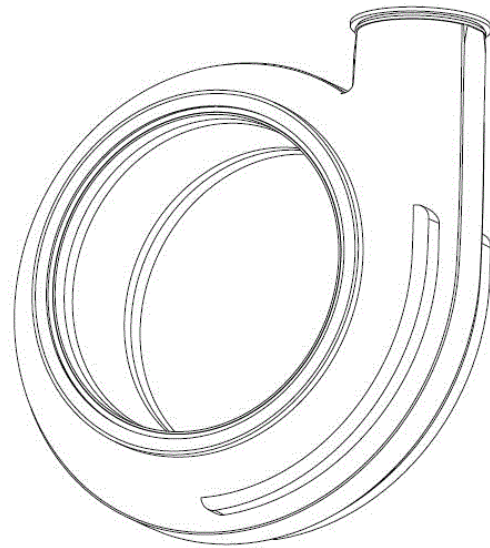


Figure 1

Three-dimensional view

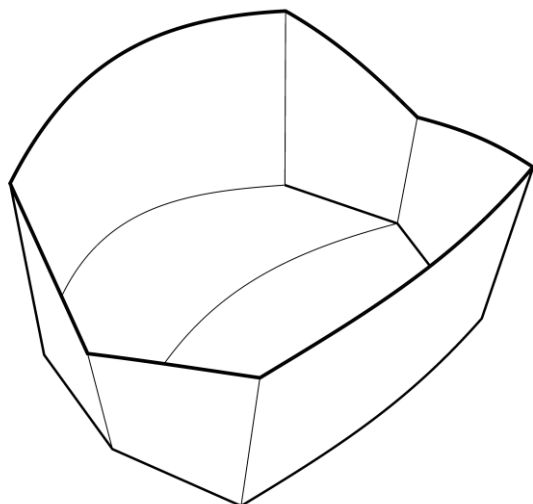
21: A2021/00313 22: 2021-03-26 23:
43: 2021-11-02

52: Class 09 24: Part A

71: Burger Caddy (Pty) Ltd

54: A BURGER HOLDER BOX

57: The design is applied to a cardboard burger holder box that is supplied in a flat condition and folded out to provide an open box receptacle in use. The burger holder box may be provided in different sizes.



PERSPECTIVE VIEW

21: A2021/00314 22: 2021-03-26 23:
43: 2020-10-15
52: Class 1 24: Part A
71: Barilla G. e R. Fratelli S.p.A.
33: EM(IT) 31: 008204846-0001 32: 2020-10-15
54: PASTA

57: The design is for pasta with an elongate body having a ridged outer surface, specifically having ridges or ribs which are alternated with corresponding grooves. The body has a spiral-shaped cross-section according to a plane which is perpendicular to the longitudinal axis of the pasta, namely an axis laying parallel to its height.

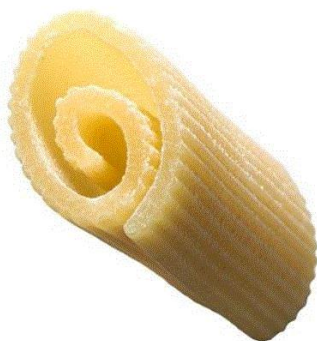


Figure 1

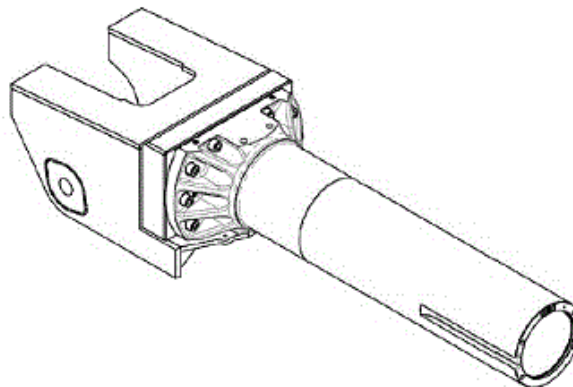
Three-dimensional view

21: A2021/00315 22: 2021-03-26 23:
43: 2021-11-02
52: Class 12. 24: Part A

71: METAL TESTING PTY LTD
33: AU 31: 202016552 32: 2020-12-03

54: A Track Guide Assembly

57: The design relates to a track guide assembly. The features of the design are those of shape and/or configuration.



REAR PERSPECTIVE VIEW

21: A2021/00319 22: 2021-03-29 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 008193577-0001 32: 2020-10-02
54: Bottle

57: The design relates to a bottle. The features of the design are those of shape and/or configuration.

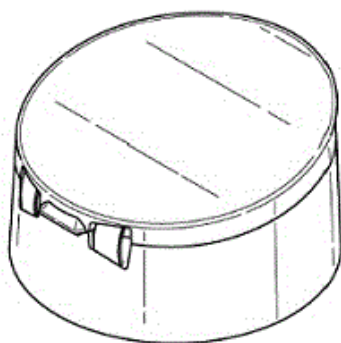


**FRONT PERSPECTIVE VIEW FROM
TOP AND LEFT SIDE**

21: A2021/00320 22: 2021-03-29 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 008193577-0003 32: 2020-10-02

54: Bottle Cap

57: The design relates to a bottle cap. The features of the design are those of shape and/or configuration.



**FRONT PERSPECTIVE VIEW
FROM TOP AND LEFT SIDE**

21: A2021/00321 22: 2021-03-29 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 008193577-0002 32: 2020-10-02
54: Bottle

57: The design relates to a bottle. The features of the design are those of shape and/or configuration.

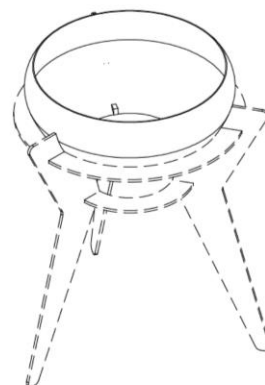


**FRONT PERSPECTIVE VIEW
FROM TOP AND LEFT SIDE**

21: A2021/00330 22: 2021-03-31 23:
43: 2021-11-02
52: Class 07 24: Part A
71: Kraal Braais and Firepits (Pty) Ltd

54: COOKING DEVICE

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a COOKING DEVICE as shown in the accompanying representations, irrespective of the features shown in broken lines.



3D VIEW

21: A2021/00331 22: 2021-03-31 23:

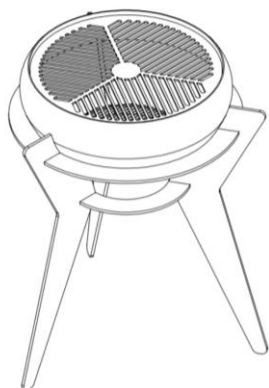
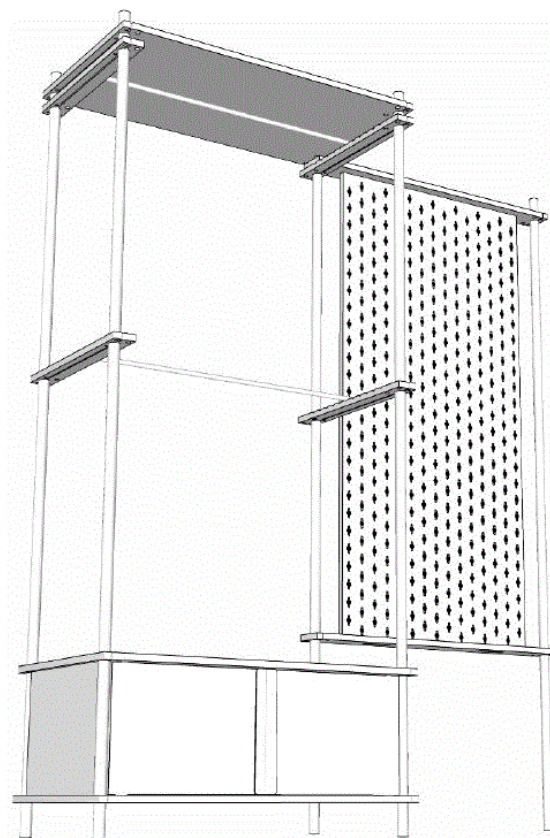
43: 2021-11-02

52: Class 07 24: Part A

71: Kraal Braais and Firepits (Pty) Ltd

54: COOKING DEVICE

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern and / or ornamentation of a COOKING DEVICE as shown in the accompanying representations, irrespective of the features shown in broken lines.

3D VIEW

Three-dimensional View from Bottom

21: A2021/00337 22: 2021-03-31 23:

43: 2021-03-31

52: Class 20 24: Part A

71: NATALMAHOGANY (PTY) LTD.

54: DISPLAY STRUCTURES FOR A RETAIL ENVIRONMENT

57: The design is for a display structure for a retail environment. The display structure includes various display and storage units supported by five upright posts. The display structure is modular. A rectangular storage unit is provided at a bottom of the display structure; sides of the storage unit clamp onto four of the posts arranged in a rectangularly spaced apart configuration. A rail unit with a wide H-shaped footprint is provided at a middle of the display structure, with sides of the rail unit clamping to the four posts and a central crosspiece serving as a rail to accommodate, e.g., hangers. A top shelf or wall is provided and clamped to the four posts. A fifth post is laterally offset and serves to support an upright planar pegboard which is clamped, via top and bottom crosspieces, to the fifth post and one of the four posts.

21: A2021/00339 22: 2021-03-31 23:

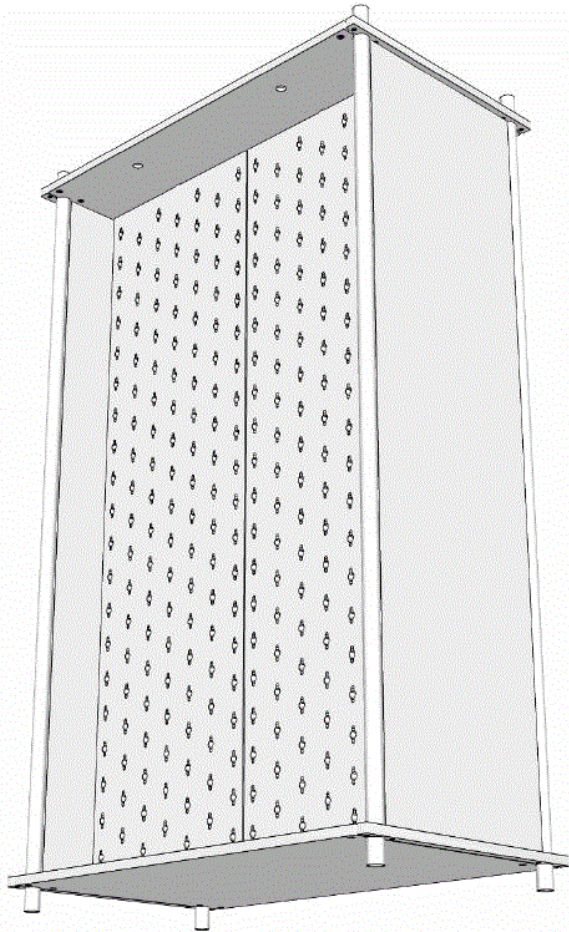
43: 2021-03-31

52: Class 20 24: Part A

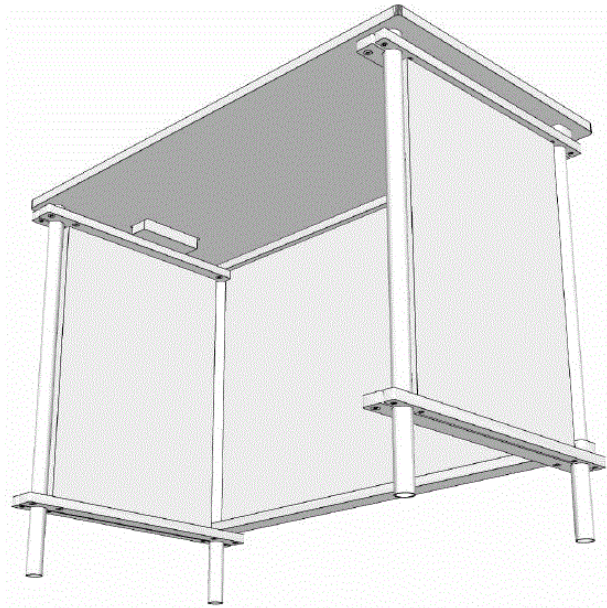
71: NATALMAHOGANY (PTY) LTD.

54: DISPLAY STRUCTURES FOR A RETAIL ENVIRONMENT

57: The design is for a display structure for a retail environment. The display structure is modular and includes four upright posts which are cylindrical and rectangularly spaced apart. The display structure includes an upright major planar structure comprising two panels with repeating apertures to function as a pegboard to receive pegs, hooks, or other display or support items, which are flanked and supported by side, top, and bottom walls. The top and bottom walls are horizontal and rectangular and clamp onto the four posts. The side walls are upright and rectangular and span a height of, and are transverse to, the pegboard. The side walls extend between the top and bottom walls and between side pairs of the posts. The two panels can rotate inwardly to hide displayed or supported items.



Three-dimensional View from Bottom



Three-dimensional View from Bottom

21: A2021/00340 22: 2021-03-31 23:
43: 2021-03-31

52: Class 6 24: Part A

71: NATALMAHOGANY (PTY) LTD.

54: DESK STRUCTURES FOR A RETAIL ENVIRONMENT

57: The design is for a desk structure for a retail environment. The desk structure is modular and includes four upright posts which are cylindrical and rectangularly spaced apart. A pair of side panels is provided with each side panel having a planar face and top and bottom crosspieces which are clamped to respective side pairs of the posts. The planar face of the side panel extends between the crosspieces and between the pair of posts. A front panel of similar configuration to the side panels extends between a pair of front posts and is clamped thereto. A tabletop is provided above the posts and top crosspieces. The desk structure provides electrical integration in the form of an electrical panel composed of a Type M socket, two Type N sockets, and a USB socket.

21: A2021/00344 22: 2021-03-31 23:
43: 2021-11-02
52: Class 9. 24: Part A
71: UNILEVER GLOBAL IP LIMITED
33: EM 31: 008193114-0001 32: 2020-10-02
54: Bottle

57: The design relates to a bottle. The features of the design are those of shape and/or configuration.



FRONT PERSPECTIVE VIEW

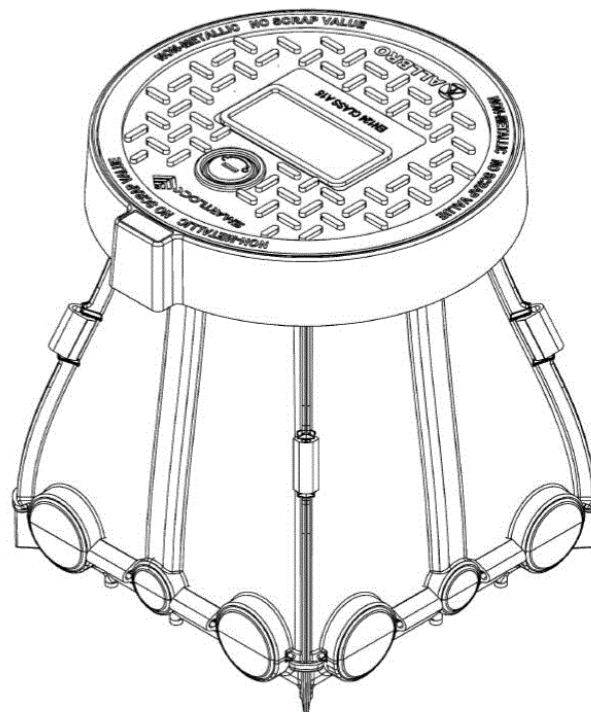
21: A2021/00345 22: 2021-03-31 23:
 43: 2021-11-02
 52: Class 9. 24: Part A
 71: UNILEVER GLOBAL IP LIMITED
 33: EM 31: 008193114-0002 32: 2020-10-02

54: Bottle

57: The design relates to a bottle. The features of the design are those of shape and/or configuration.



FRONT PERSPECTIVE VIEW



Three-dimensional View from Top

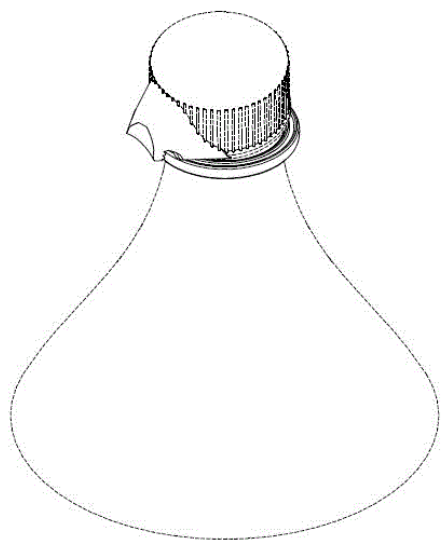
21: A2021/00351 22: 2021-04-01 23:
 43: 2021-04-01
 52: Class 14 24: Part A
 71: SMART LOCKING LOGIC (PTY) LTD
54: OPTICAL FIBRE HANDHOLES DEFINING ACCESS CHAMBERS

57: The design is for an optical fibre handhole defining an access chamber. The handhole comprises at least a body and a lid. The body comprises four side walls, a coping/collar and a base member, all of which are separable and detachable. The base is square and the side walls are flat at their bottom and curved at their top, such that the body is square at its base but round at its top. The lid is round and disc-shaped and serves to enclose a cavity defined by the body. A large collar/coping is provided between the body and the lid. The body defines 12 ducts, three at each of the four side walls above the base. The base and each side panel, and adjacent side panels, are held together by clips.

21: A2021/00355 22: 2021-04-08 23:
 43: 2021-04-08
 52: Class 9 24: Part A
 71: FARAGO, Laci Zoltan

54: CAP HOLDERS FOR CONTAINERS

57: The design is for a cap holder assembly for a container with a cap. The cap holder assembly comprises a specially configured collar on the bottle and a complementary coupling formation on the cap. The collar has a generally rectangular profile with circumferential grooves, while the coupling formation defines a complementary rectangular recess with ridges or teeth matched to the grooves. The cap connects to the bottle by attaching the coupling formation to the collar.



Three-dimensional view from top

21: A2021/00356 22: 2021-04-08 23:

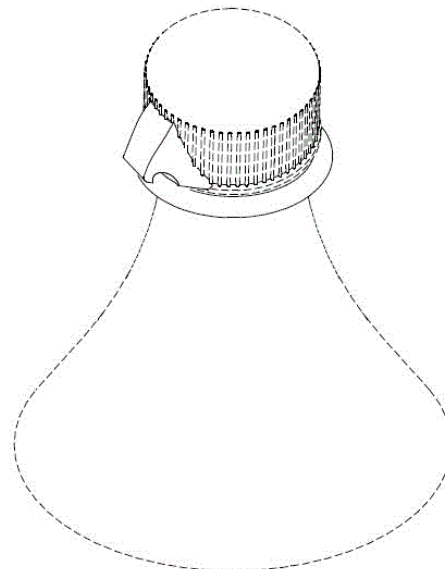
43: 2021-04-08

52: Class 9 24: Part A

71: FARAGO, Laci Zoltan

54: CAP HOLDERS FOR CONTAINERS

57: The design is for a cap holder assembly for a container with a cap. The cap holder assembly comprises a specially configured collar on the bottle and a complementary coupling formation on the cap. The collar has a part circular (slightly greater than 180°) profile, while the coupling formation defines a part circular (again, slightly greater than 180°) recess. The cap connects to the bottle by attaching the coupling formation to the collar.



Three-dimensional view from top

21: A2021/00357 22: 2021-04-08 23:

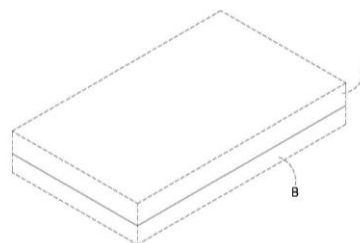
43: 2021-04-08

52: Class 18 24: Part A

71: PMD Dies & Stereos Proprietary Limited

54: PHOTOPOLYMER PRINTING PLATES

57: The design is for a photopolymer printing plate comprising a sheet photopolymer layer A and a compressible substrate layer B bonded to the sheet photopolymer layer.



Three-dimensional view

21: A2021/00378 22: 2021-04-13 23:

43: 2021-11-16

52: Class 9. 24: Part A

71: DISPENSING TECHNOLOGIES B.V.

33: IB 31: 970071011 32: 2020-11-05

54: Spraying Head

57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2021/00379 22: 2021-04-13 23:
43: 2021-11-16
52: Class 9. 24: Part A
71: DISPENSING TECHNOLOGIES B.V.
33: IB 31: 970071011 32: 2020-11-05

54: Spraying Head

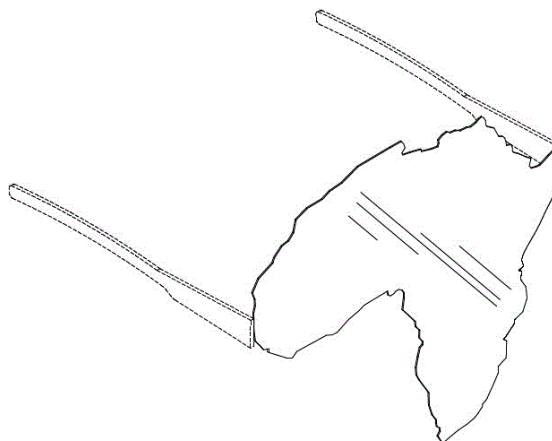
57: The design relates to a spraying head. The features of the design are those of shape and/or configuration and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2021/00381 22: 2021-04-14 23:
43: 2021-04-14
52: Class 16 24: Part A
71: MOSETLHE, Tshepo Simon

54: Eyewear

57: The design relates to eyewear. The eyewear includes a single lens having a shape representing a map of the continent of Africa.

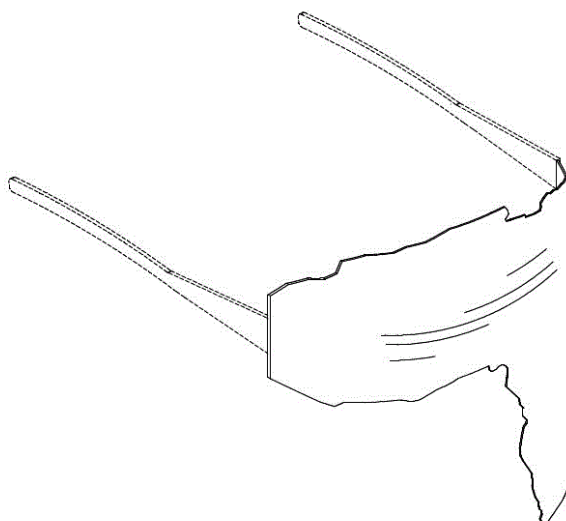


Three-dimensional view

21: A2021/00382 22: 2021-04-14 23:
43: 2021-04-14
52: Class 16 24: Part A
71: MOSETLHE, Tshepo Simon

54: Eyewear

57: The design relates to eyewear. The eyewear includes a single lens having a shape representing a map of the continent of Africa.

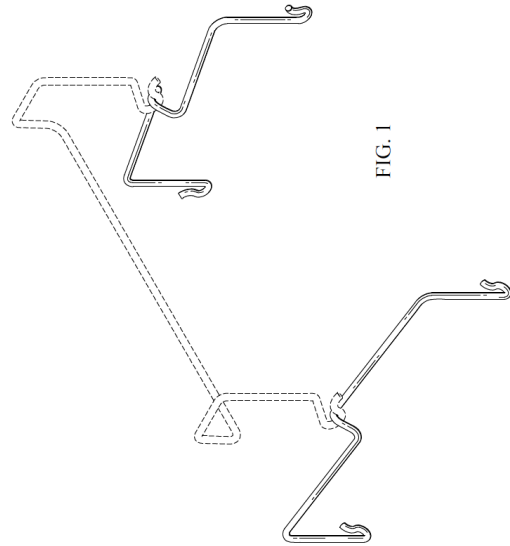
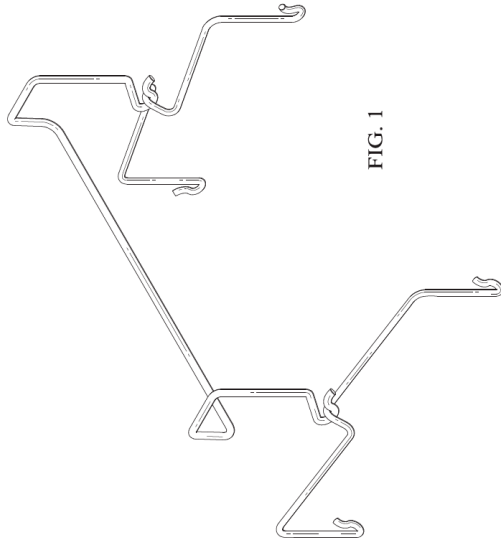


Three-dimensional view

21: A2021/00417 22: 2021-04-20 23:
 43: 2021-11-16
 52: Class 26 24: Part A
 71: HGCI, INC.
 33: US 31: 29/757,250 32: 2020-11-04

54: HANGER FOR LIGHT FIXTURE

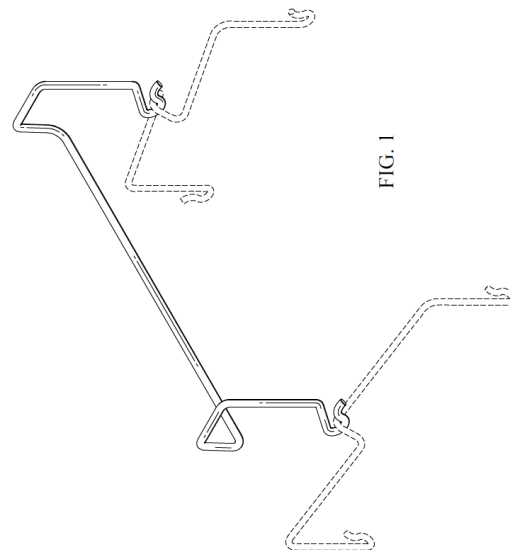
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a hanger for a light fixture substantially as illustrated in the accompanying representations.



21: A2021/00419 22: 2021-04-20 23:
 43: 2022-01-10
 52: Class 26 24: Part A
 71: HGCI, INC.
 33: US 31: 29/757,250 32: 2020-11-04

54: HANGER FOR LIGHT FIXTURE

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 hanger for a light fixture substantially as illustrated in the accompanying representations, wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.



21: A2021/00418 22: 2021-04-20 23:
 43: 2021-11-16
 52: Class 26 24: Part A
 71: HGCI, INC.
 33: US 31: 29/757,250 32: 2020-11-04

54: HANGER FOR LIGHT FIXTURE

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 hanger for a light fixture substantially as illustrated in the accompanying representations, wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

21: A2021/00420 22: 2021-04-20 23:
 43: 2022-01-10
 52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/757,484 32: 2020-11-06

54: LOW PROFILE LIGHT FIXTURE

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 low profile light fixture substantially as illustrated in the accompanying representations, wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

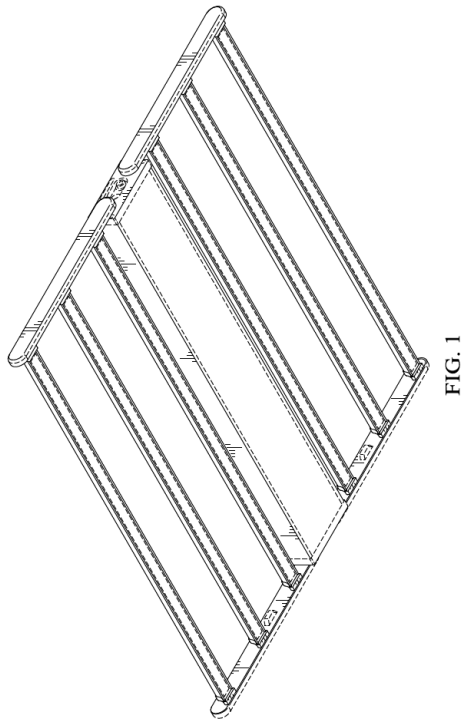


FIG. 1

21: A2021/00426 22: 2021-04-21 23:

43: 2021-12-13

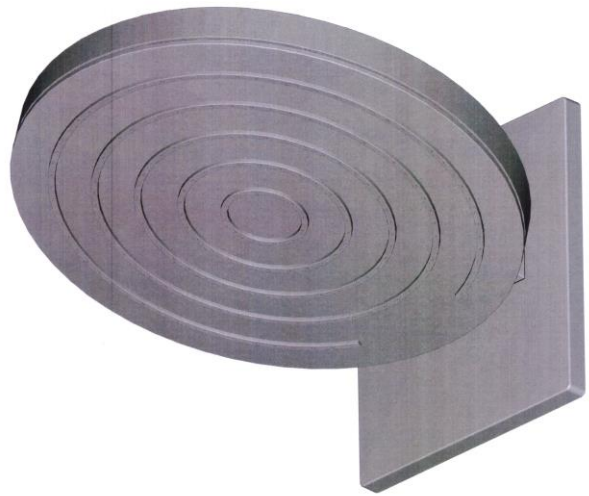
52: Class 23 24: Part A

71: HANS GROHE SE

33: EU 31: 008211742-0012 32: 2020-10-22

54: SHOWER HEAD

57: The features of the design for which protection is claimed are those of the shape and/or configuration of the shower head substantially as illustrated in the accompanying drawing.



21: A2021/00431 22: 2021-04-21 23:

43: 2021-12-13

52: Class 23 24: Part A

71: HANS GROHE SE

33: EU 31: 008219836-0003 32: 2020-10-29

54: FAUCET

57: The features of the design for which protection is claimed are those of the shape and/or configuration of the faucet substantially as illustrated in the accompanying drawing.



21: A2021/00443 22: 2021-04-26 23:

43: 2020-10-27

52: Class 12 24: Part A

71: The Goodyear Tire & Rubber Company

33: US 31: 29/756,209 32: 2020-10-27

54: TIRES

57: A tread for a tire having four rows of tread elements, a left and right shoulder row and a left and right intermediate row, adjacent rows spaced by a regularly-sided circumferentially continuous wide groove arranged in a symmetric tread pattern; the shoulder rows having a circumferential series of lateral groove fingers extending from a respective tread edge, each groove finger having an upturned inward finger end, and the shoulder rows having a circumferential series of rectangular tread elements interposed between in alternating sequence with the lateral groove fingers; the left and right intermediate rows being of like configuration having a series of inclining groove fingers extending across the intermediate rows.

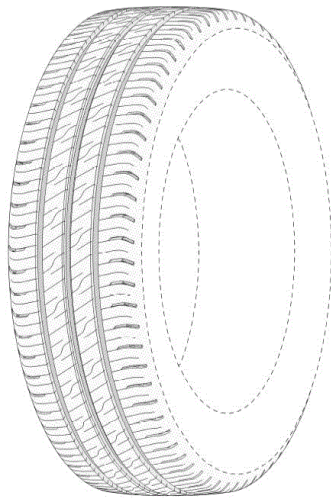


Figure 1
Three-dimensional view

21: A2021/00444 22: 2021-04-26 23:
43: 2020-10-27
52: Class 13 24: Part A
71: Tritium Holdings Pty Ltd
33: AU 31: 202015851 32: 2020-10-27

54: CHARGING STATIONS

57: The design is for a charging station. The charging station includes a combination of long vertical edges, softened with a radius, accompanied by a faceted and angular overall appearance. This is coupled with a slim device form factor and a signature taper inward on the lower portion of the device. The side panels of the device are faceted laterally, and the device top cap is faceted both laterally, and vertically. The plug holsters are angular, faceted and tapered with rounded anterior edges to match the overall aesthetic of the charger. On the left- and right-hand side, at the top of the faceted side panels resides lifting points integrated

into the cable management egress point. The segmented radiator grill pattern on the front and the back is also included as part of the distinctive design.

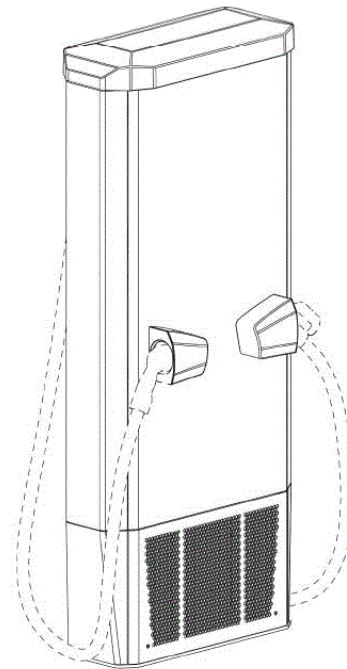


Figure 1
Three-dimensional view

21: A2021/00451 22: 2021-04-28 23:
43: 2020-10-29
52: Class 12 24: Part A
71: The Goodyear Tire & Rubber Company
33: US 31: 29/756,520 32: 2020-10-29

54: TIRES

57: A tire having five rows of tread elements, a center row, a pair of intermediate rows, and a pair of shoulder rows. Each shoulder row is spaced from an intermediate row by a wide circumferential shoulder groove having rectangular block elements spaced at regular intervals. Each intermediate row is spaced from the center row by a wide circumferentially continuous intermediate groove. The center row is a wide circumferentially continuous rib having offset, downwardly directed triangular shaped sipe elements. Each intermediate tread row tread element has an inclined quadrilateral shape, the tread elements of the intermediate rows being offset and separated within each intermediate row by inclined lateral grooves. Each block element in the intermediate row is bisected by a blind groove extending laterally inward and downward from a shoulder groove. Each shoulder row has a row of tread elements having an inclined quadrilateral shape separated by an inclined arched sipe.

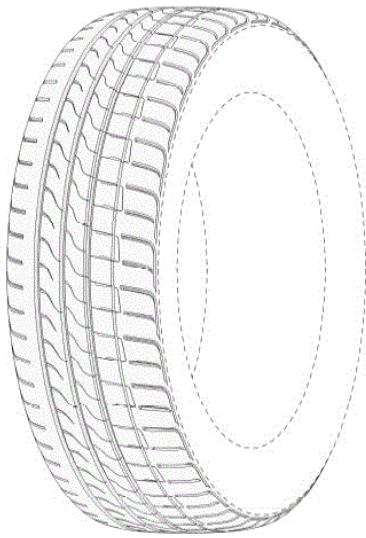
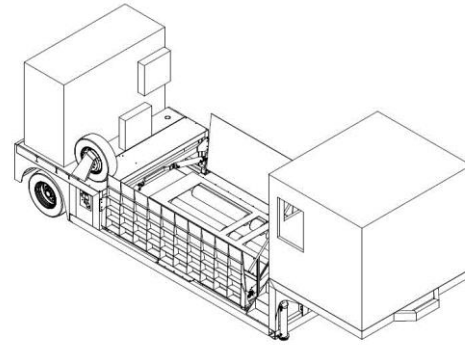


Figure 1
Three-dimensional view



First three-dimensional view in a closed position

21: A2021/00453 22: 2021-04-28 23:

43: 2020-12-07

52: Class 10 24: Part A

71: Workshop Electronics (Pty) Ltd

54: Mobile Vehicle Testing Stations

57: The design relates to a mobile vehicle testing station in the form of a semi-trailer which is configured to be drawn behind a truck tractor. Once deployed along the roadside, the testing station is configured to evaluate roadworthiness of passing vehicles. To this end, the vehicle testing station includes an elongate, single-axled wheeled chassis with air suspension, a generator and spare wheel mounted to a rear of the chassis and a raised control room toward a front of the chassis. Between the workstation and generator, the chassis has a low ground-clearance platform which includes a flight of stairs leading up to the control room. In addition, a pair of opposing hydraulically actuated, pivotally displaceable ramps are provided on either side of the low ground-clearance platform. The platform has axle play detectors, brake roller testers and under carriage surveillance cameras built into the platform.

21: A2021/00455 22: 2021-04-28 23:

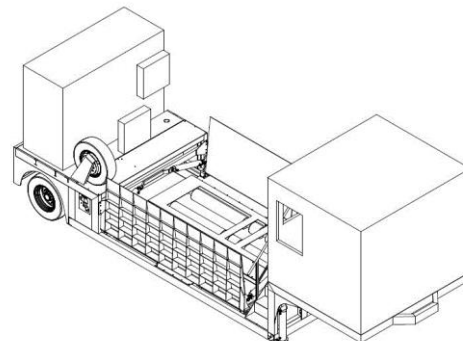
43: 2020-12-07

52: Class 12 24: Part A

71: Workshop Electronics (Pty) Ltd

54: Mobile Vehicle Testing Stations

57: The design relates to a mobile vehicle testing station in the form of a semi-trailer which is configured to be drawn behind a truck tractor. Once deployed along the roadside, the testing station is configured to evaluate roadworthiness of passing vehicles. To this end, the vehicle testing station includes an elongate, single-axled wheeled chassis with air suspension, a generator and spare wheel mounted to a rear of the chassis and a raised control room toward a front of the chassis. Between the workstation and generator, the chassis has a low ground-clearance platform which includes a flight of stairs leading up to the control room. In addition, a pair of opposing hydraulically actuated, pivotally displaceable ramps are provided on either side of the low ground-clearance platform. The platform has axle play detectors, brake roller testers and under carriage surveillance cameras built into the platform.



First three-dimensional view in a closed position

21: A2021/00456 22: 2021-04-29 23:

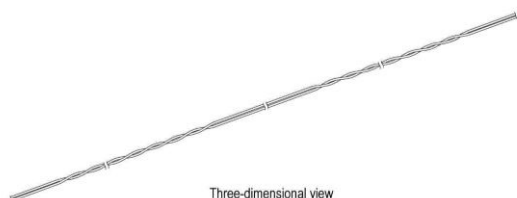
43: 2021-04-29

52: Class 13 24: Part A

71: QuantumX (Pty) Ltd.

54: UNSHEATHED OR UNJACKETED TWISTED PAIR CABLES

57: The design is for an unsheathed or unjacketed twisted pair cable having repeated regions of twisted-together insulated wires separated by repeated regions of untwisted insulated wires.



21: A2021/00491 22: 2021-05-12 23:

43: 2021-12-03

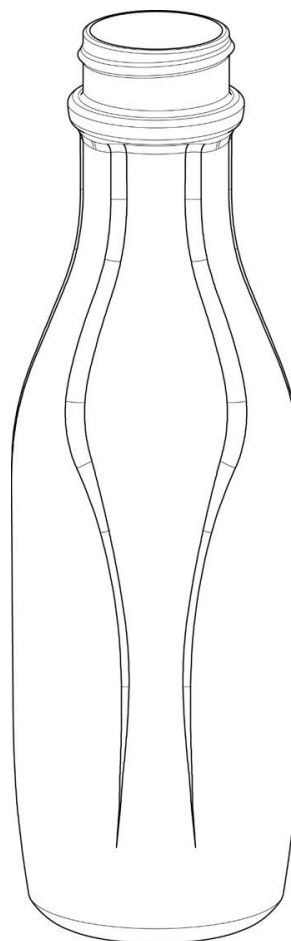
52: Class 09 24: Part A

71: WLI (UK) LIMITED

33: EU 31: 008273908-0001 32: 2020-11-17

54: BOTTLE

57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation.



21: A2021/00492 22: 2021-05-12 23:

43: 2021-12-03

52: Class 12 24: Part A

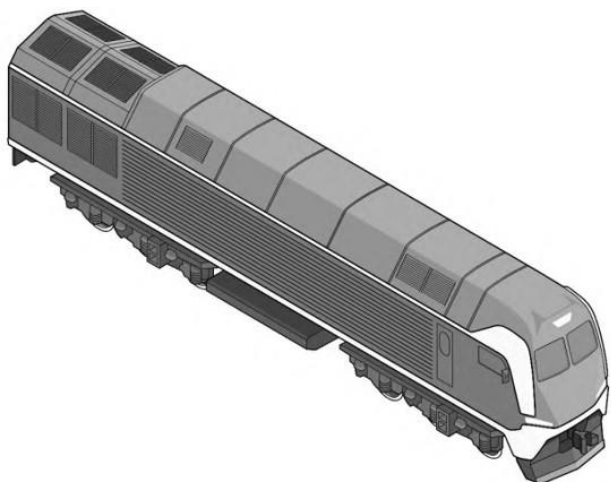
71: JOINT STOCK COMPANY

«TRANSMASHHOLDING»

33: RU 31: 2020505593 32: 2020-11-18

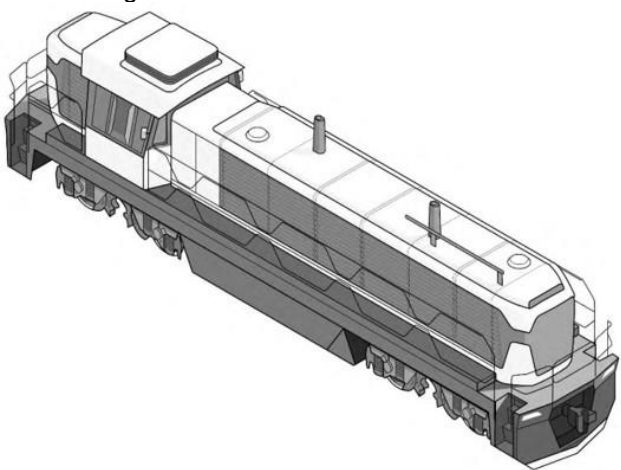
54: ROAD ENGINE

57: The design is applied to a road engine. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the road engine, substantially as illustrated in the accompanying representation. Shading and colour do not form part of the design and are disclaimed.



21: A2021/00495 22: 2021-05-12 23:
43: 2021-12-03
52: Class 12 24: Part A
71: JOINT STOCK COMPANY
«TRANSMASHHOLDING»
33: RU 31: 2020505595 32: 2020-11-18
54: SWITCH ENGINE

57: The design is applied to a switch engine. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the switch engine, substantially as illustrated in the accompanying representation. Shading and colour do not form part of the design and are disclaimed.



21: A2021/00537 22: 2021-05-20 23:
43: 2021-12-15
52: Class 14 24: Part A
71: BOITUMELO
54: KEYBOARD

57: The design relates to a Keyboard. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.

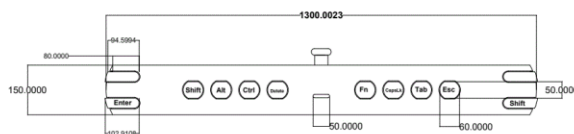
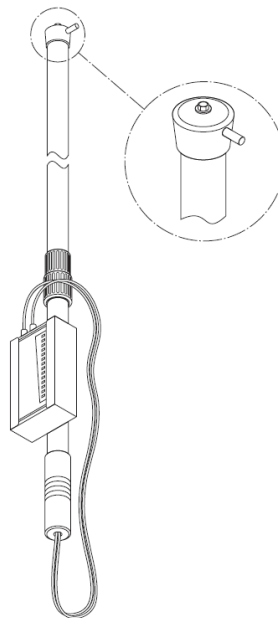


Figure 1.1 - FRONT VIEW

21: A2021/00540 22: 2021-05-20 23:
43: 2021-12-03
52: Class 08 24: Part A
71: PROVEST GROUP (PTY) LTD

54: EXTENSION POLE FOR GROUT TESTER

57: The design is applied to an extension pole for an electronic grout resistivity tester. The pole is preferably made up of telescopic components which can be secured at various conditions of extension. A pair of suitably long wires extend within the pole from first and second contacts located at the top end, for connection to the grout tester. A magnetic contact will engage a ferromagnetic terminal on a conductor wire that extends to a position within a body of grout around a rock anchor. The other contact will be located against the rock anchor which also forms a conductor from which the resistivity readings can be taken. The pole may be modified to have two magnetic contacts for connection to two conductor wires extending from within a body of grout around a rock anchor and each with a ferromagnetic terminal.



21: A2021/00541 22: 2021-05-20 23:

43: 2021-12-03

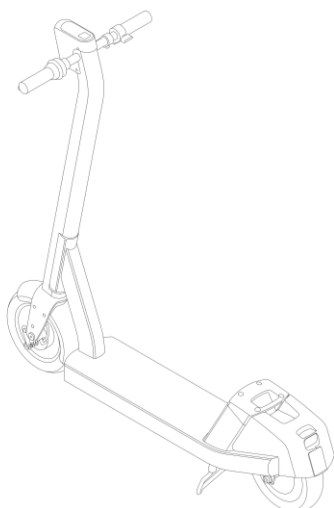
52: Class 12 24: Part A

71: Bolt Technology Oü

33: EU 31: 008282156-0004 32: 2020-11-24

54: MOTOR SCOOTER

57: The design is for a motor scooter with a partly enclosed rear wheel, a generally rectangular deck, an angled, rectangular head tube and a light on the centre of its handlebars.



21: A2021/00545 22: 2021-05-21 23:

43: 2021-12-15

52: Class 22 24: Part A

71: HUNT MASTER PTY LTD

33: AU 31: 202016351 32: 2020-11-23

54: SPEARGUN HANDLE

57: The features of the design for which protection is claimed are those of the shape and/or configuration of the speargun handle substantially as illustrated in the accompanying drawing.

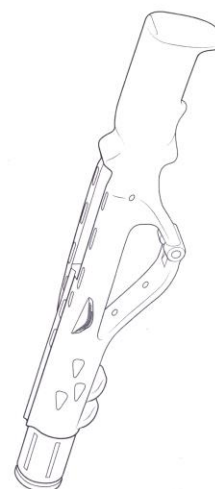


FIGURE 1

21: A2021/00551 22: 2021-05-24 23:

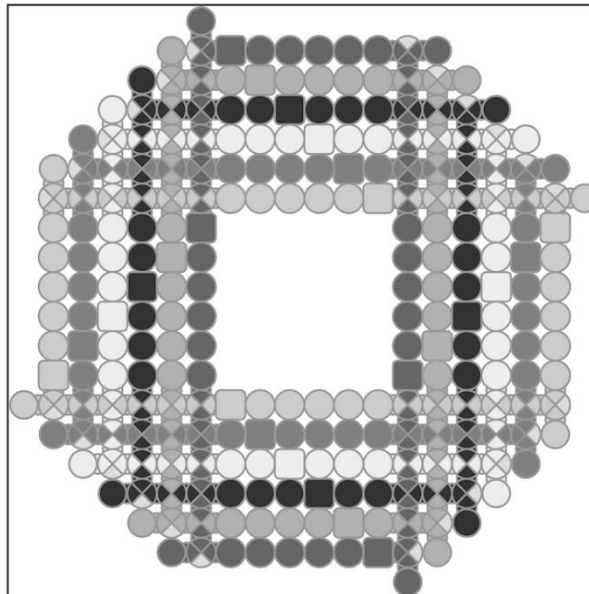
43: 2021-12-03

52: Class 14 24: Part A

71: Jacobus Cornelius Ferreira

54: GAME BOARD

57: The design relates to a Game Board. The features of the design are those of shape and/or pattern and/or configuration and/or ornamentation.



21: A2021/01105 22: 2021-09-20 23:

43: 2021-04-19

52: Class 2 24: Part A

71: CSIR

54: Garments

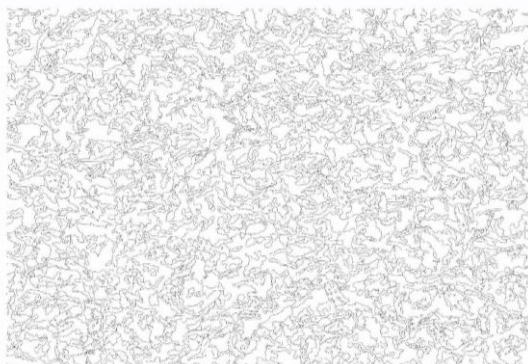
57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: A2021/01109 22: 2021-09-20 23:
43: 2021-04-19
52: Class 2 24: Part A
71: CSIR

54: Garments

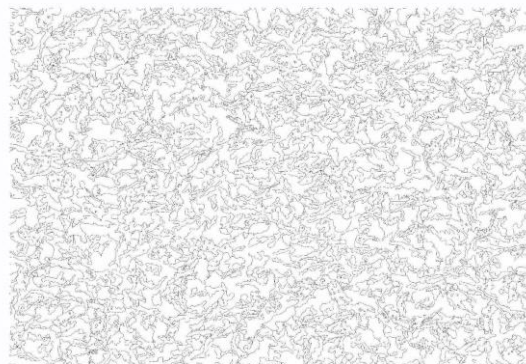
57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: A2021/01111 22: 2021-09-20 23:
43: 2021-04-19
52: Class 32 24: Part A
71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.



21: A2021/01117 22: 2021-09-20 23:
43: 2021-04-19
52: Class 32 24: Part A
71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.



21: A2021/01119 22: 2021-09-20 23:
43: 2021-04-19
52: Class 2 24: Part A
71: CSIR

54: Garments

57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: A2021/01121 22: 2021-09-20 23:
43: 2021-04-19
52: Class 32 24: Part A
71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.



21: F2019/00289 22: 2019-02-26 23:
43: 2021-11-18
52: Class 25 24: Part F
71: CAPCO (PTY) LTD,
54: CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER

57: The novelty of the design as applied to a ceiling transition channel resides in the shape and / or configuration thereof substantially as shown in the accompanying drawings

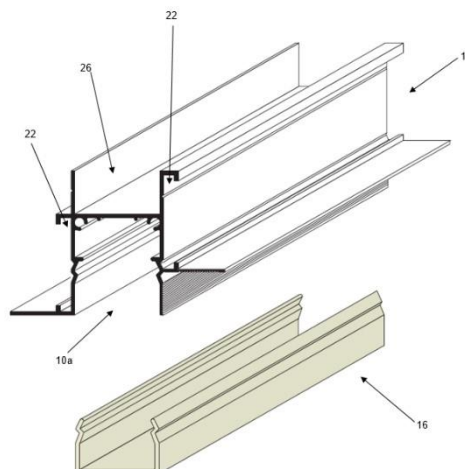


Figure 1

Exploded isometric view of a ceiling transition channel and light diffuser

21: F2019/00291 22: 2019-02-26 23:
43: 2021-11-18
52: Class 08 24: Part F
71: CAPCO (PTY) LTD,

54: LIGHT TROUGH AND DIFFUSER

57: The novelty of the design as applied to a light trough and diffuser resides in the shape and / or configuration thereof substantially as shown in the accompanying drawings

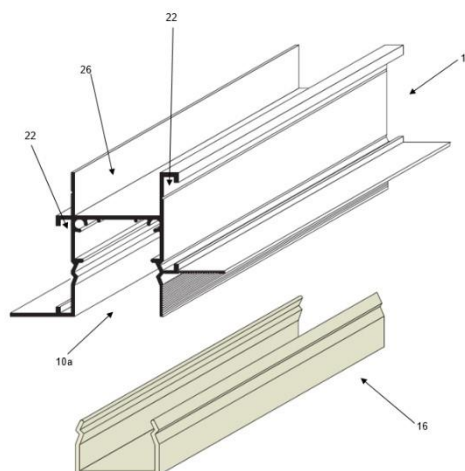


Figure 1

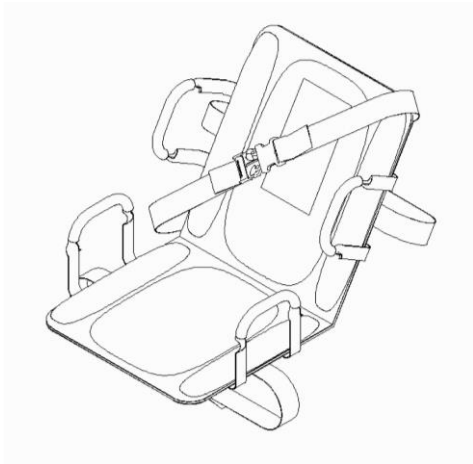
Exploded isometric view of a ceiling transition channel and light diffuser

21: F2019/01492 22: 2019-10-08 23:
43: 2020-05-26
52: Class 12 24: Part F
71: PATRICK RUKUNDO

54: INVALID CHAIR

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or

pattern of an INVALID CHAIR as shown in the accompanying representations.



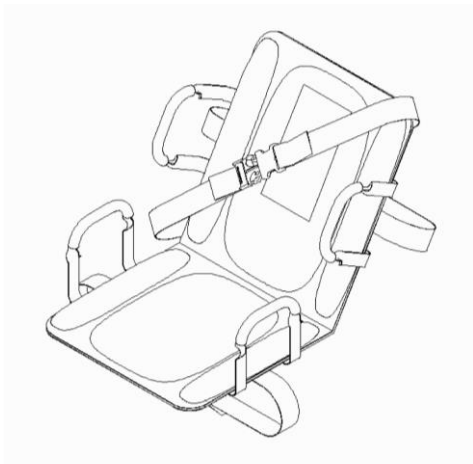
3D VIEW

21: F2019/01492 22: 2019-10-08 23:
43: 2020-05-26

52: Class 12 24: Part F
71: PATRICK RUKUNDO

54: INVALID CHAIR

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of an INVALID CHAIR as shown in the accompanying representations.



3D VIEW

21: F2020/00067 22: 2020-01-23 23:
43: 2019-07-24

52: Class 23 24: Part F
71: TAKANO, Masaaki
33: JP 31: 2019-016584 32: 2019-07-24

54: FAUCETS

57: The design is for a faucet comprising a cylindrical body, a circular swivel member attached

to an upper end of the body and a flexible U-shaped hose extending from the swivel member to a cylindrical nozzle. A handle with a cylindrical base and elongate lever protrudes from a side of the body. The swivel member has a pivot joint at its front. An elongate arm extends from the pivot joint at its bottom end to a ball and socket joint at the nozzle at its top end.

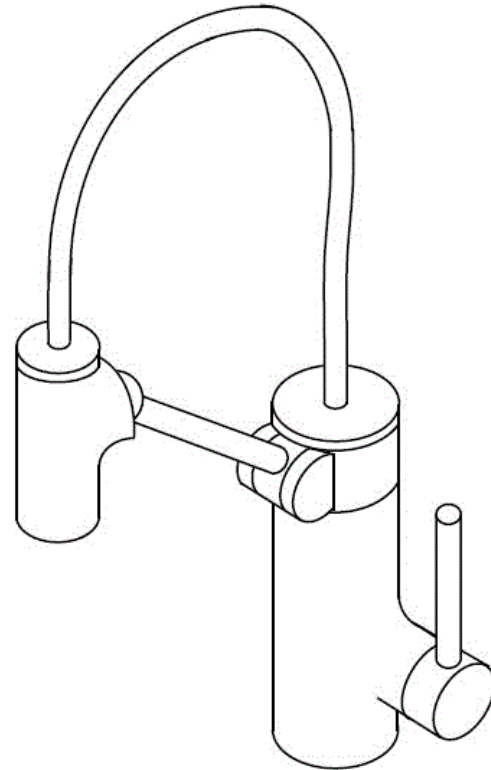


Figure 1

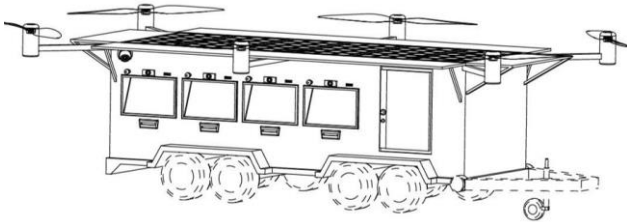
Three-dimensional view in a first configuration

21: F2020/00595 22: 2020-05-14 23:
43: 2021-11-04

52: Class 12 24: Part F
71: DAYN AMADE INVENTIONS LTD
33: GB 31: 6077600 32: 2019-11-27

54: INTERACTIVE TRAILER

57: The design is applied to an interactive trailer. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the interactive trailer, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2020/00808 22: 2020-06-11 23:
43: 2021-11-18
52: Class 02 24: Part F
71: M AND K BEFORE INK (PTY) LTD
54: GARMENTS

57: The features of the design for which protection is claimed reside in the shape and/or configuration of a garment substantially as illustrated in the accompanying representations, irrespective of (i) the colour/s of the garment, (ii) the pattern or ornamentation applied to the garment, and (iii) the design of the sleeves of the garment.

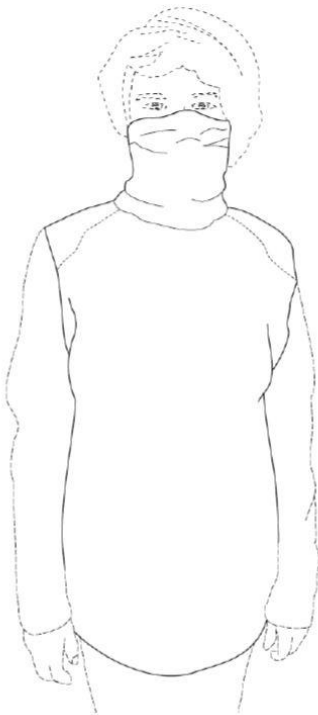


Figure 5
A front view of the garment in an in use condition,
with its neck in the extended position

21: F2020/00952 22: 2020-07-09 23:
43: 2021-11-09
52: Class 13 24: Part F
71: ESSOP MOOSA BUX
54: MULTIFUNCTIONAL WALL SOCKETS

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

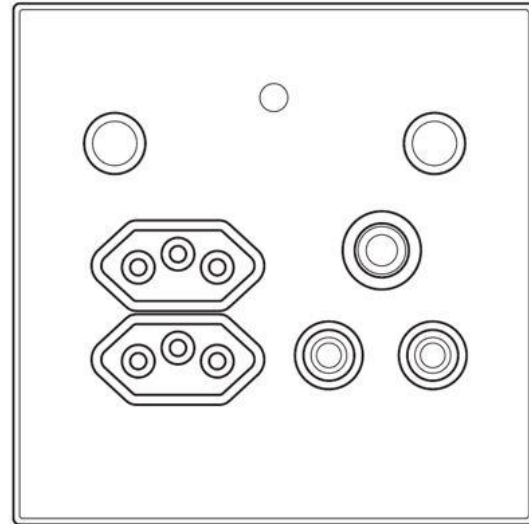


Figure 3

Front view of a second wall socket in accordance with the design

21: F2020/00954 22: 2020-07-09 23:
43: 2021-11-09
52: Class 13 24: Part F
71: ESSOP MOOSA BUX
54: MULTIFUNCTIONAL WALL SOCKETS
57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between Universal Serial Bus (USB) sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

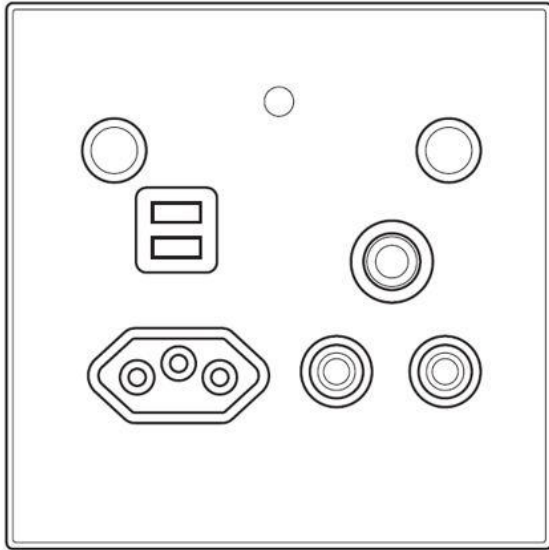


Figure 3

Front view of a second wall socket in accordance with the design

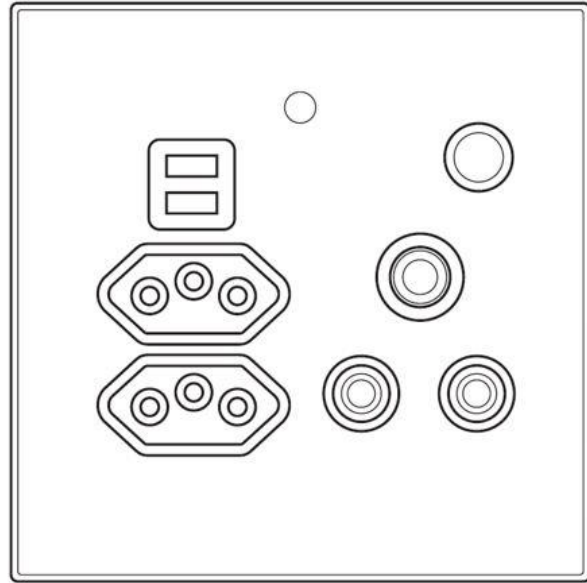


Figure 5

Front view of a third wall socket in accordance with the design

21: F2020/00956 22: 2020-07-09 23:

43: 2021-11-09

52: Class 13 24: Part F

71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and irrespective of the number of and spacing between Universal Serial Bus (USB) sockets forming part of the multifunctional wall socket, wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

21: F2020/00958 22: 2020-07-09 23:

43: 2021-11-09

52: Class 13 24: Part F

71: ESSOP MOOSA BUX

54: MULTIFUNCTIONAL WALL SOCKETS

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a multifunctional wall socket substantially as illustrated in the accompanying representations, irrespective of the number of and spacing between South African National Standards (SANS) 164-2 sockets forming part of the multifunctional wall socket, and wherein features shown in broken lines in the representations do not form part of the design and are disclaimed.

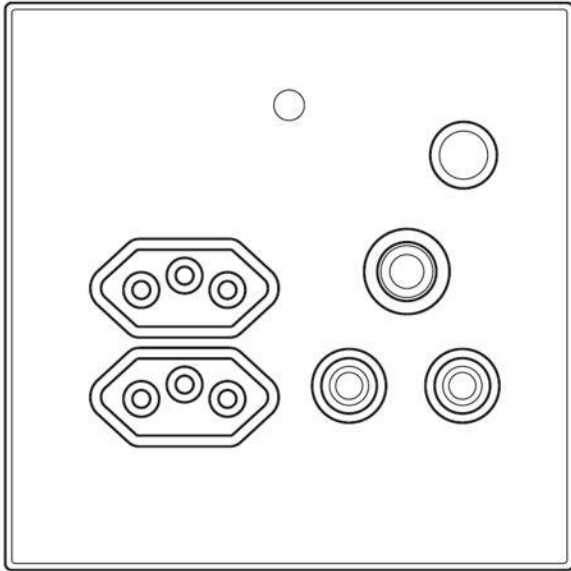


Figure 5

Front view of a third wall socket in accordance with the design

21: F2020/01048 22: 2020-07-31 23:
43: 2021-11-04

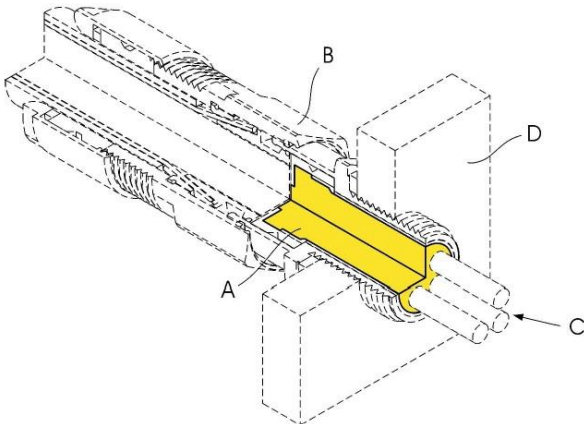
52: Class 08 24: Part F

71: CCG INTERNATIONAL HOLDINGS LIMITED

33: EU 31: 007466248 32: 2020-01-31

54: CABLE GLANDS

57: The features of the design for which protection is claimed reside in the colour of resin mix (A) forming part of barrier cable gland substantially as illustrated in the accompanying drawings. The cable gland (B), cables (C) and barrier through which the cable gland passes (D) do not form part of the design and are disclaimed from protection.



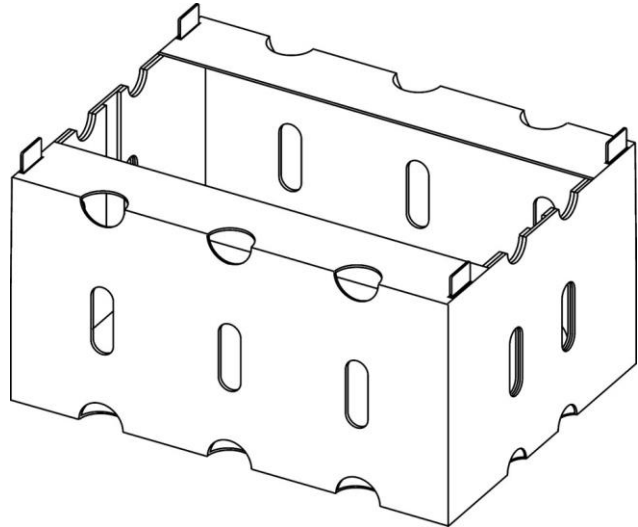
21: F2020/01099 22: 2020-08-12 23:
43: 2021-11-04

52: Class 09 24: Part F

71: STELLENBOSCH UNIVERSITY

54: PACKAGING BOX

57: The design is applied to a packaging box. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the packaging box, substantially as illustrated in the accompanying representation



21: F2020/01118 22: 2020-08-17 23:

43: 2021-11-09

52: Class 29 24: Part F

71: STECH ENGINEERING PROJECTS CC

54: FACE MASKS

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a face mask substantially as illustrated in the accompanying representations.

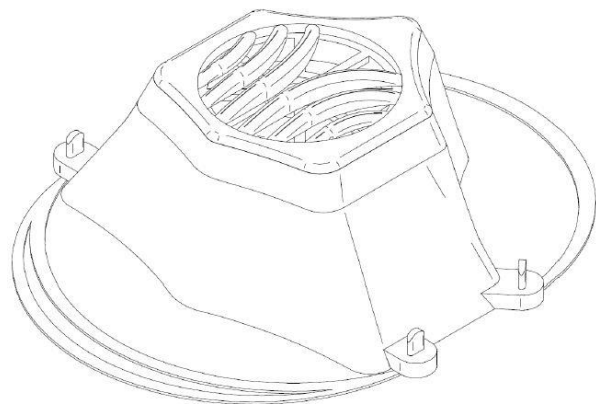


Figure 1

Perspective view of a first example of the face mask in an assembled condition

21: F2020/01120 22: 2020-08-17 23:

43: 2021-11-09

52: Class 29 24: Part F

71: STECH ENGINEERING PROJECTS CC

54: FACE MASKS

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern of a face mask substantially as illustrated in the accompanying representations.

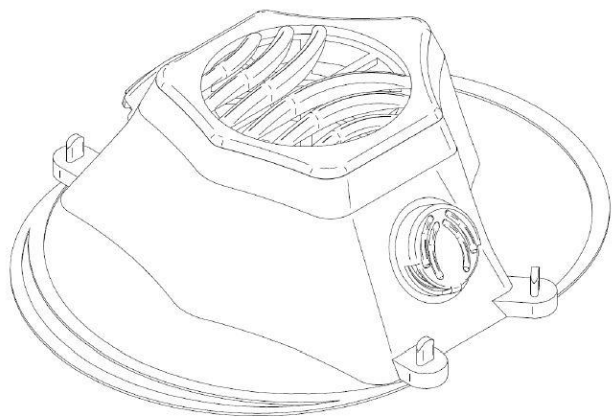


Figure 1

Perspective view of a first example of the face mask in an assembled condition

21: F2020/01176 22: 2020-09-02 23:

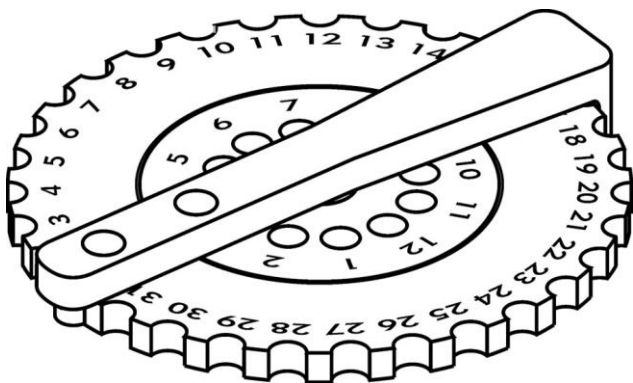
43: 2021-11-04

52: Class 10 24: Part F

71: VILABRIL, Monica De Oliveira

54: DATE AND/OR TIME INDICATOR

57: The design is applied to a date and/or time indicator. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the date and/or time indicator, substantially as illustrated in the accompanying representation. The numerical markings appearing on the date and/or time indicator do not form part of the design and are disclaimed. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2020/01396 22: 2020-10-23 23:

43: 2022-01-10

52: Class 12 24: Part F

71: ROCK SOLID INDUSTRIES INTERNATIONAL (PTY) LTD

54: A PLATE FOR A VEHICLE CANOPY

57: The features of the design for which protection is claimed reside in the shape and/or configuration of a plate for a vehicle canopy, substantially as illustrated in Figures 1 to 12 of the accompanying representations, wherein the essential features of the design reside in the flange and return lip of the plate, and wherein the design of the remainder of the plate, including the openings therein, may be varied.

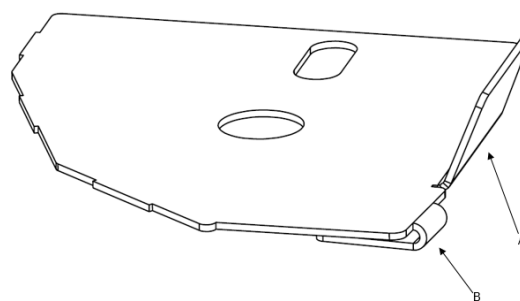


Figure 1

First perspective view of the plate

21: F2020/01419 22: 2020-11-03 23:

43: 2020-05-04

52: Class 23 24: Part F

71: Spraying Systems Co.

33: US 31: 29/733,552 32: 2020-05-04

54: SPRAY NOZZLES

57: The design is for a spray nozzle and comprises a first portion having a cylindrical configuration. An elongate cylindrical second portion extends from the first portion, ending in a convex dome-shaped end wall. A narrow outwardly protruding rib is attached to the second portion, extending from a first tapered end at the cylinder, over the dome and to a second tapered end at the cylinder. The dome defines a pair of curved elongated orifices that are offset from each other.

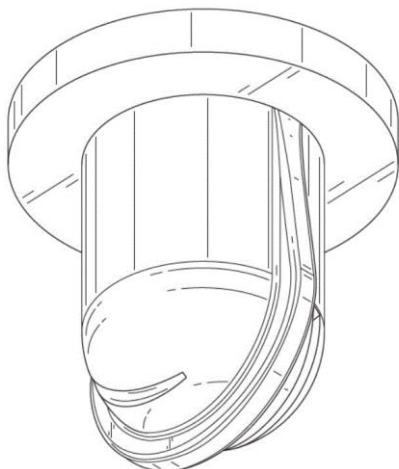


Figure 1

Three-dimensional view

21: F2020/01533 22: 2020-11-26 23:

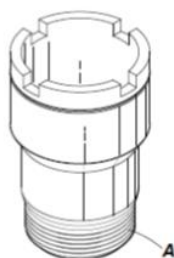
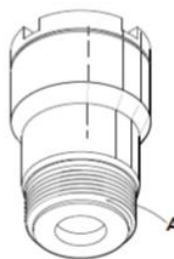
43: 2021-06-24

52: Class 15 24: Part F

71: RABE, SCHALK WILLEM

54: INSULATING MEMBER FOR AN INJECTOR

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of an insulating member for an injector for use with a modified cylinder head of a vehicle as shown in the accompanying representations.

FIRST PERSPECTIVE VIEWSECOND PERSPECTIVE VIEW

21: F2020/01640 22: 2020-12-17 23:

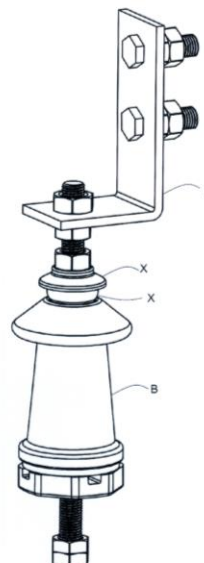
43: 2021-12-13

52: Class 13 24: Part F

71: OUCO ELECTRICAL PRODUCTS (PTY) LTD

54: BUSHING (14)

57: The novelty of the design resides in the shape or configuration of a body of a bushing marked "B". The components marked "X" are for illustrative purposes only and do not form part of the design.



21: F2020/01643 22: 2020-12-17 23:

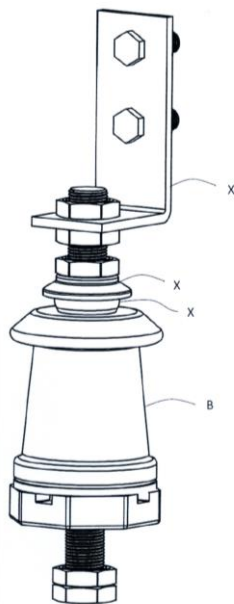
43: 2021-12-13

52: Class 13 24: Part F

71: OUCO ELECTRICAL PRODUCTS (PTY) LTD

54: BUSHING (16)

57: The novelty of the design resides in the shape or configuration of a body of a bushing marked "B". The components marked "X" are for illustrative purposes only and do not form part of the design.



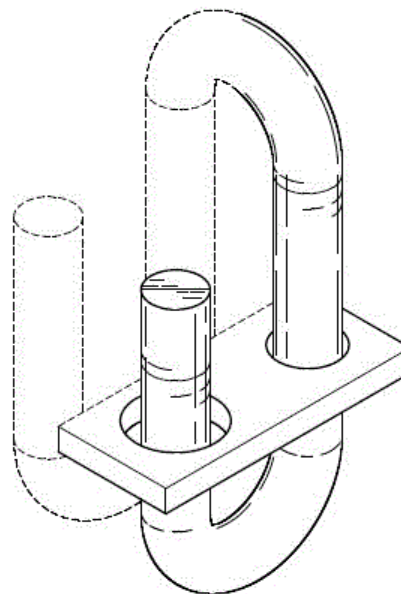
21: F2021/00020 22: 2021-01-14 23:
43: 2021-01-14

52: Class 8 24: Part F

71: ROCBOLT TECHNOLOGIES (PTY) LTD.

54: HOOK ASSEMBLIES

57: The design is for a hook assembly comprising at least one leg of a hook and a retaining clip configured to engage at least two opposed parts of the hook, thereby to inhibit bending or outward deformation of the hook. The retaining clip has (at least partially) a rectangular profile.



Three-dimensional view

21: F2021/00108 22: 2021-02-09 23:
43: 2021-10-04

52: Class 21 24: Part F

71: SPARKS, Thane

54: EXERCISE APPARATUS

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a EXERCISE APPARATUS as shown in the accompanying representations.



PERSPECTIVE VIEW

21: F2021/00144 22: 2021-02-16 23:
43: 2021-10-04
52: Class 21 24: Part F
71: GOLDER, Daniel Derek

54: PORTABLE WATER RESERVOIR

57: The features of the design for which novelty is claimed are the shape and / or configuration of a PORTABLE WATER RESERVOIR as shown in the accompanying representations.

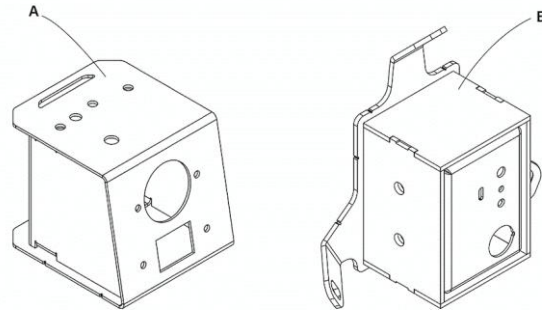


FIRST TOP PERSPECTIVE VIEW

21: F2021/00155 22: 2021-02-16 23:
43: 2021-12-01
52: Class 22 24: Part F
71: Jacobus Adriaan Ritchie

54: SHOT IMPACT INDICATOR

57: The design relates to a Shot impact indicator. The features of the design are those of shape and/or pattern and/or configuration.

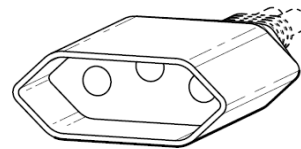


21: F2021/00193 22: 2021-03-02 23:
43: 2021-10-12
52: Class 13 24: Part F

71: MIDDLETON, Stephen Alexander

54: ELECTRICAL CONNECTOR

57: The features of the design for which novelty is claimed are the shape and / or configuration of a ELECTRICAL CONNECTOR as shown in the accompanying representations.



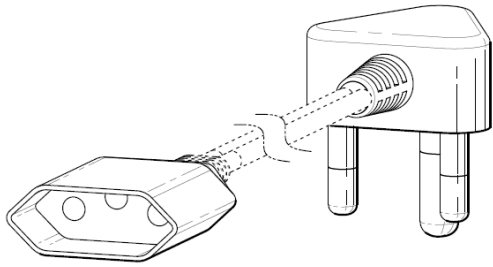
FIRST PERSPECTIVE VIEW

21: F2021/00194 22: 2021-03-03 23:
43: 2021-10-12
52: Class 13 24: Part F

71: MIDDLETON, Stephen Alexander

54: ELECTRICAL CONNECTOR

57: The features of the design for which novelty is claimed are the shape and / or configuration of a ELECTRICAL CONNECTOR as shown in the accompanying representations.

**FIRST PERSPECTIVE VIEW**

21: F2021/00196 22: 2021-03-03 23:

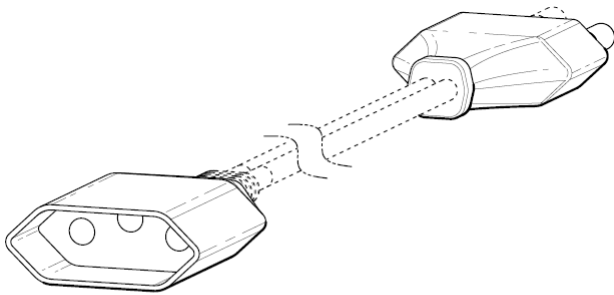
43: 2021-10-12

52: Class 13 24: Part F

71: MIDDLETON, Stephen Alexander

54: ELECTRICAL CONNECTOR

57: The features of the design for which novelty is claimed are the shape and / or configuration of a ELECTRICAL CONNECTOR as shown in the accompanying representations.

**FIRST PERSPECTIVE VIEW**

21: F2021/00233 22: 2021-03-05 23:

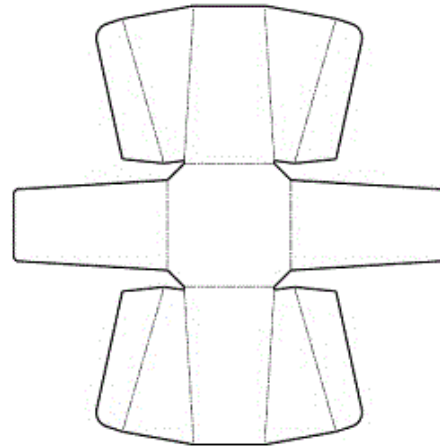
43: 2021-11-02

52: Class 9. 24: Part F

71: MPACT LIMITED

54: Blank for a Herb Pot

57: The design relates to a blank for a herb pot. The features of the design are those of shape and/or configuration.

**TOP PLAN VIEW OF BLANK**

21: F2021/00235 22: 2021-03-05 23:

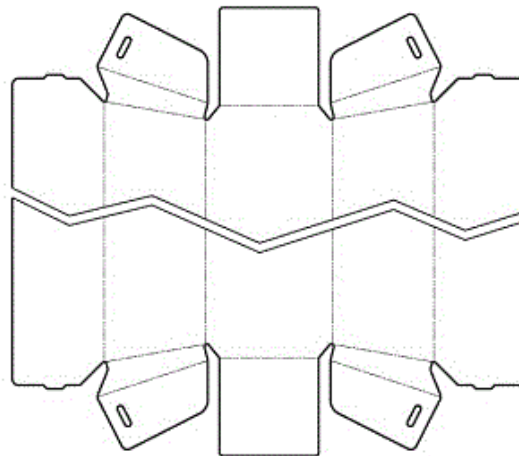
43: 2021-11-02

52: Class 9. 24: Part F

71: MPACT LIMITED

54: Blank for a Meal Box

57: The design relates to a blank for a meal box. The features of the design are those of shape and/or configuration.

**TOP PLAN VIEW OF BLANK**

21: F2021/00239 22: 2021-03-05 23:

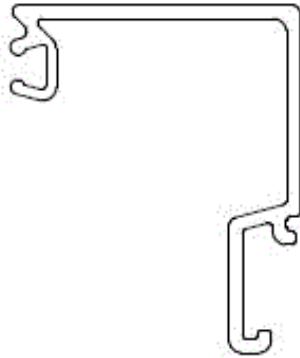
43: 2021-03-05

52: Class 25 24: Part F

71: KELLER, Izaan Louis, HENN, Christopher Peter

54: BEAD COMPONENT PROFILE

57: The design is applied to a bead component profile for a frame arrangement. The features of the design for which protection is claimed include the shape and/or configuration of a bead component profile for a frame arrangement, substantially as illustrated in the accompanying representations.

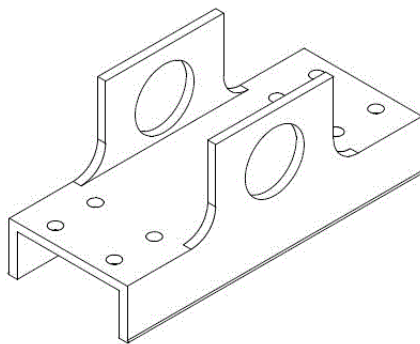


End view

21: F2021/00240 22: 2021-03-05 23:
43: 2021-03-05
52: Class 25 24: Part F
71: KELLER, Izaan Louis

54: BRACKET HOUSING

57: The design is applied to a bracket housing for a corner connector arrangement of a door system. The features of the design for which protection is claimed include the shape and/or configuration of a bracket housing, substantially as illustrated in the accompanying representations.



Three-dimensional view

21: F2021/00279 22: 2021-03-23 23:
43: 2021-03-23
52: Class 6 24: Part F
71: UNIVERSITY OF JOHANNESBURG

54: TABLES

57: The design is applied to a table. The features of the design for which protection is claimed include the shape and/or configuration of the table substantially as shown in the accompanying representations.

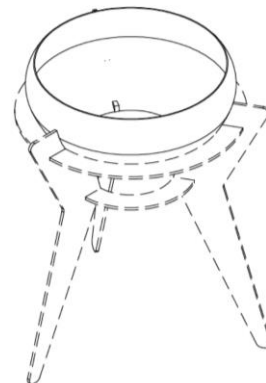


Three-dimensional view from top in first configuration

21: F2021/00332 22: 2021-03-31 23:
43: 2021-11-02
52: Class 07 24: Part F
71: Kraal Braais and Firepits (Pty) Ltd

54: COOKING DEVICE

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a COOKING DEVICE as shown in the accompanying representations, irrespective of the features shown in broken lines.

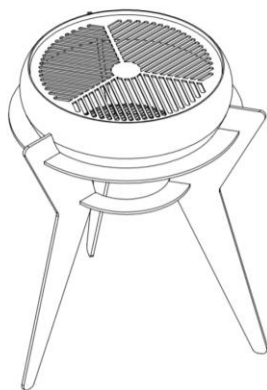


3D VIEW

21: F2021/00333 22: 2021-03-31 23:
43: 2021-12-03
52: Class 07 24: Part F
71: Kraal Braais and Firepits (Pty) Ltd

54: COOKING DEVICE

57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a COOKING DEVICE as shown in the accompanying representations, irrespective of the features shown in broken lines.

**3D VIEW**

21: F2021/00334 22: 2021-03-31 23:
43: 2021-12-01

52: Class 8 24: Part F
71: Superstop (Pty) Ltd

54: STOPPER TOOL

57: The design relates to a Stopper Tool. The features of the design are those of shape and/or pattern and/or configuration.



21: F2021/00350 22: 2021-03-31 23:
43: 2021-03-31

52: Class 12 24: Part F
71: SUPERCART SOUTH AFRICA (PTY) LTD

54: TROLLEY CHASSIS

57: The design is applied to a trolley chassis for a steel trolley, the rear of the chassis comprising spaced apart rear arms that are integrally formed

with a handle that extends across the top of the rear arms. The features of the design for which protection is claimed include the shape and/or configuration of a trolley chassis, substantially as illustrated in the accompanying representations. The dotted portions are disclaimed and do not form any part of the claimed design.



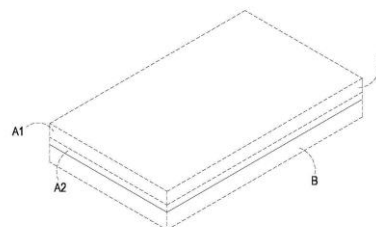
Three-dimensional view from front

21: F2021/00358 22: 2021-04-08 23:
43: 2021-04-08

52: Class 18 24: Part F
71: PMD Dies & Stereos Proprietary Limited

54: PHOTOPOLYMER PRINTING PLATES

57: The design is for a photopolymer printing plate comprising a sheet photopolymer layer A and a compressible substrate layer B bonded to the sheet photopolymer layer. A sublayer A2 of the sheet photopolymer layer A is cured and a sublayer A1 of the sheet photopolymer layer A is uncured.



Three-dimensional view

21: F2021/00370 22: 2021-04-09 23:
43: 2020-11-06

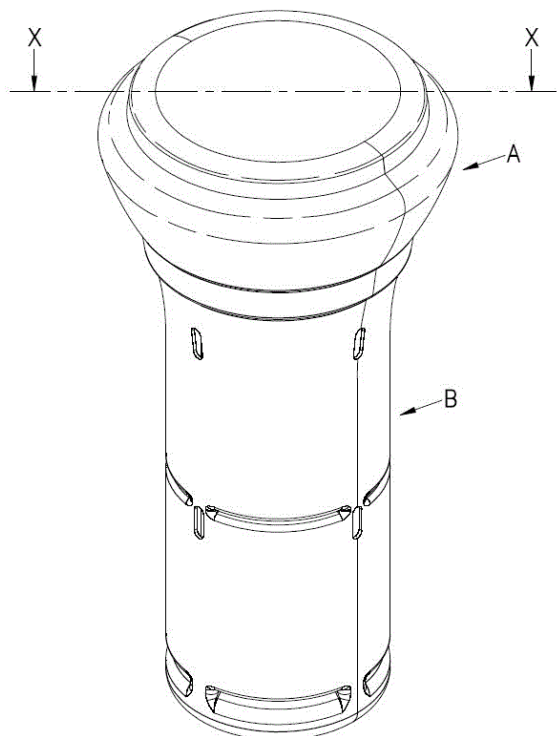
52: Class 9 24: Not Applicable

71: CONTROL CHEMICALS (PTY) LTD

33: ZA 31: F2020/01434 32: 2020-11-06

54: FLOATING CHEMICAL DISPENSING CONTAINERS

57: The design is for a floating chemical dispensing container comprising a float portion, for providing buoyancy in use, and an apertured chemical container portion, for containing soluble chemicals in use.



21: F2021/00371 22: 2021-04-09 23:

43: 2020-11-06

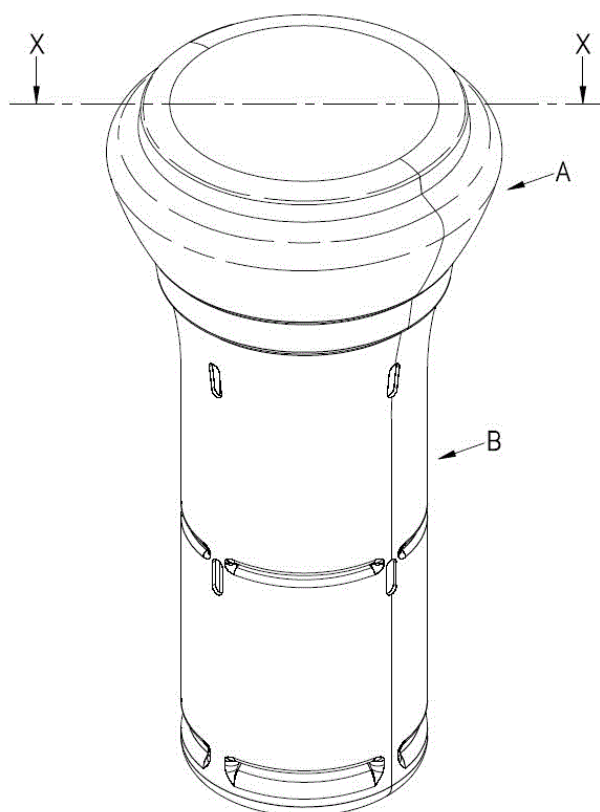
52: Class 9 24: Not Applicable

71: CONTROL CHEMICALS (PTY) LTD

33: ZA 31: F2020/01435 32: 2020-11-06

54: FLOATING CHEMICAL DISPENSING CONTAINERS

57: The design is for a floating chemical dispensing container comprising a float portion, for providing buoyancy in use, and an apertured chemical container portion, for containing soluble chemicals in use.



21: F2021/00372 22: 2021-04-09 23:

43: 2020-11-06

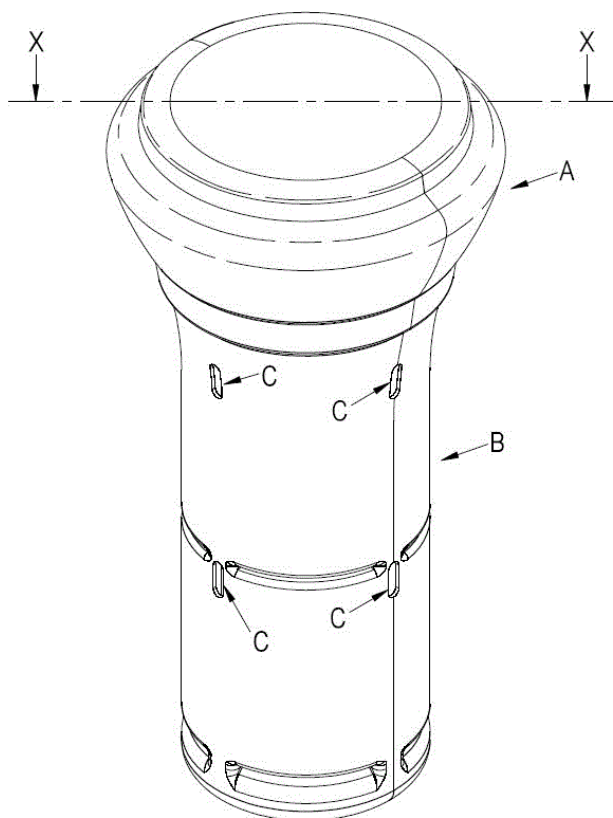
52: Class 9 24: Not Applicable

71: CONTROL CHEMICALS (PTY) LTD

33: ZA 31: F2020/01436 32: 2020-11-06

54: FLOATING CHEMICAL DISPENSING CONTAINERS

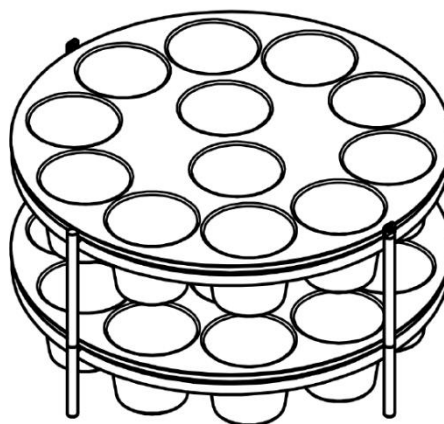
57: The design is for a floating chemical dispensing container comprising a float portion, for providing buoyancy in use, and an apertured chemical container portion, for containing soluble chemicals in use.



21: F2021/00377 22: 2021-04-13 23:
43: 2021-12-01
52: Class 23 24: Part F
71: CREST Solar (Pty) Ltd
54: STACKABLE WATER TANK
57: The design relates to a Stackable water tank.
The features of the design are those of shape and/or
pattern and/or configuration.



21: F2021/00422 22: 2021-04-21 23:
43: 2021-12-01
52: Class 7 24: Part F
71: Koketso Petlele
54: STEAM BREAD PAN
57: The design relates to a Steam Bread Pan. The
features of the design are those of shape and/or
pattern and/or configuration.



21: F2021/00429 22: 2021-04-21 23:

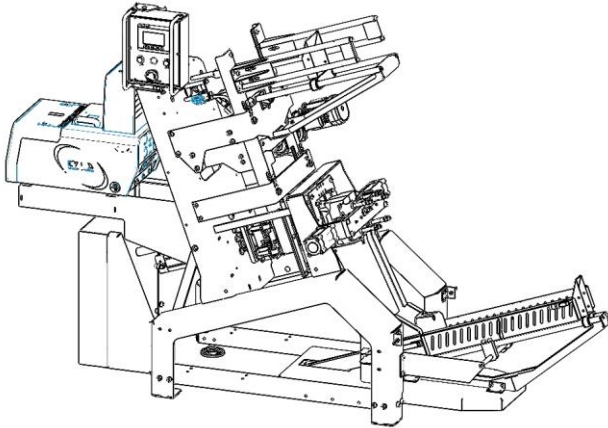
43: 2021-12-03

52: Class 15 24: Part F

71: GOSSAMER MACHINERY (PROPRIETARY) LIMITED

54: CONTAINER FORMING MACHINE

57: The design is for a container forming machine which includes a frame with an angled spine which supports a mould assembly and infeed magazine and the mould assembly includes a male mould and female mould.



21: F2021/00445 22: 2021-04-26 23:

43: 2020-10-27

52: Class 13 24: Part F

71: Tritium Holdings Pty Ltd

33: AU 31: 202015851 32: 2020-10-27

54: CHARGING STATIONS

57: The design is for a charging station. The charging station includes a combination of long vertical edges, softened with a radius, accompanied by a faceted and angular overall appearance. This is coupled with a slim device form factor and a signature taper inward on the lower portion of the device. The side panels of the device are faceted laterally, and the device top cap is faceted both laterally, and vertically. The plug holsters are angular, faceted and tapered with rounded anterior edges to match the overall aesthetic of the charger. On the left- and right-hand side, at the top of the faceted side panels resides lifting points integrated into the cable management egress point. The segmented radiator grill pattern on the front and the back is also included as part of the distinctive design.

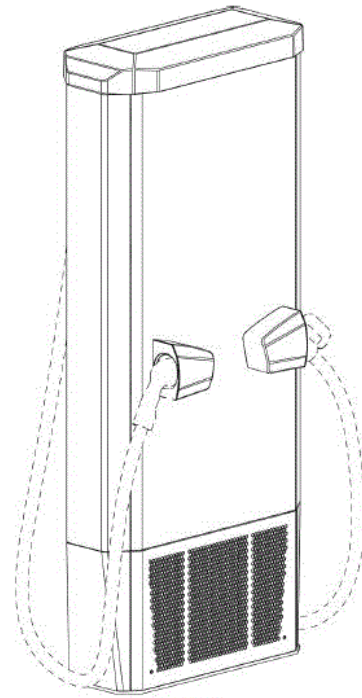


Figure 1

Three-dimensional view

21: F2021/00452 22: 2021-04-28 23:

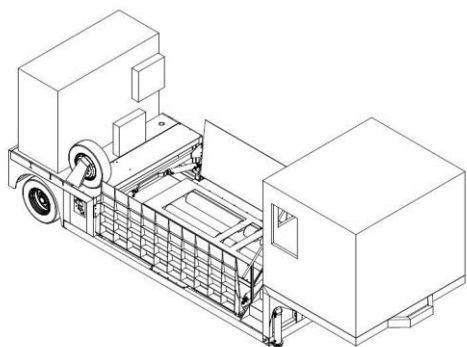
43: 2020-12-07

52: Class 10 24: Part F

71: Workshop Electronics (Pty) Ltd

54: Mobile Vehicle Testing Stations

57: The design relates to a mobile vehicle testing station in the form of a semi-trailer which is configured to be drawn behind a truck tractor. Once deployed along the roadside, the testing station is configured to evaluate roadworthiness of passing vehicles. To this end, the vehicle testing station includes an elongate, single-axled wheeled chassis with air suspension, a generator and spare wheel mounted to a rear of the chassis and a raised control room toward a front of the chassis. Between the workstation and generator, the chassis has a low ground-clearance platform which includes a flight of stairs leading up to the control room. In addition, a pair of opposing hydraulically actuated, pivotally displaceable ramps are provided on either side of the low ground-clearance platform. The platform has axle play detectors, brake roller testers and under carriage surveillance cameras built into the platform.



First three-dimensional view in a closed position

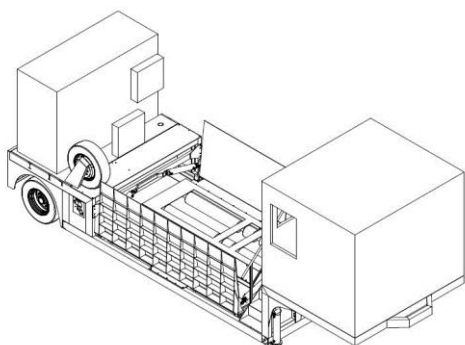
21: F2021/00454 22: 2021-04-28 23:
43: 2020-12-07

52: Class 12 24: Part F

71: Workshop Electronics (Pty) Ltd

54: Mobile Vehicle Testing Stations

57: The design relates to a mobile vehicle testing station in the form of a semi-trailer which is configured to be drawn behind a truck tractor. Once deployed along the roadside, the testing station is configured to evaluate roadworthiness of passing vehicles. To this end, the vehicle testing station includes an elongate, single-axled wheeled chassis with air suspension, a generator and spare wheel mounted to a rear of the chassis and a raised control room toward a front of the chassis. Between the workstation and generator, the chassis has a low ground-clearance platform which includes a flight of stairs leading up to the control room. In addition, a pair of opposing hydraulically actuated, pivotally displaceable ramps are provided on either side of the low ground-clearance platform. The platform has axle play detectors, brake roller testers and under carriage surveillance cameras built into the platform.



First three-dimensional view in a closed position

21: F2021/00460 22: 2021-04-29 23:
43: 2021-12-15

52: Class 23 24: Part F

71: AIFEILING SANITARY WARES TECHNOLOGY GROUP CO., LTD.

33: CN 31: 202030671018.0 32: 2020-11-06

54: DRAIN STRAINERS

57: The features of the design for which protection is claimed include the pattern and/or shape and/or configuration of the DRAIN STRAINERS substantially as illustrated in the accompanying representations.



21: F2021/00473 22: 2021-05-04 23:

43: 2021-12-03

52: Class 28 24: Part F

71: INVESTIQ (PTY) LTD

54: NAIL SHAVING DEVICE

57: The design relates to a Nail shaving device. The features of the design are those of shape and/or pattern and/or configuration.



21: F2021/00488 22: 2021-05-11 23:

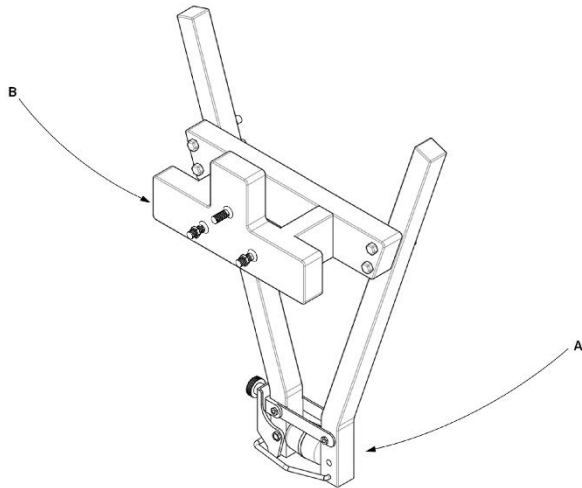
43: 2021-12-03

52: Class 8 24: Part F

71: MABENA, Sello Fanuel

54: SPARE WHEEL CARRIER

57: The design relates to a SPARE WHEEL CARRIER. The features of the design are those of shape and/or pattern and/or configuration.

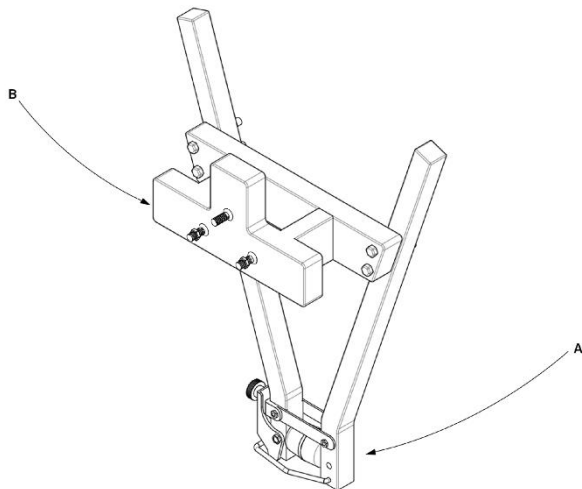


21: F2021/00489 22: 2021-05-11 23:
43: 2021-12-03

52: Class 12 24: Part F
71: MABENA. Sello Fanuel

54: SPARE WHEEL CARRIER

57: The design relates to a SPARE WHEEL CARRIER. The features of the design are those of shape and/or pattern and/or configuration.

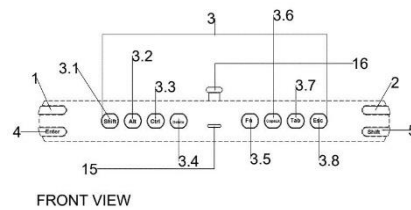


21: F2021/00536 22: 2021-05-20 23:
43: 2021-12-03

52: Class 14 24: Part F
71: BOITUMELO

54: KEYBOARD

57: The design relates to a Keyboard. The features of the design are those of shape and/or pattern and/or configuration.



21: F2021/00539 22: 2021-05-20 23:

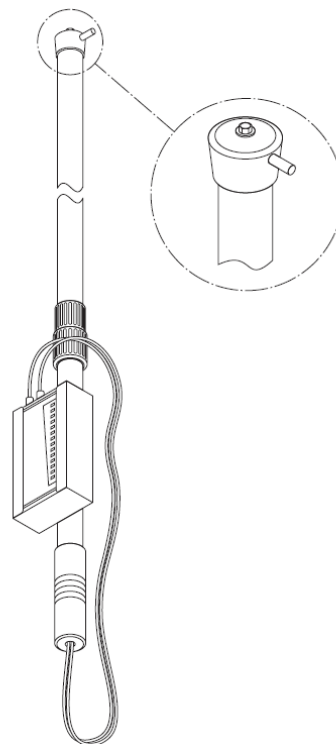
43: 2021-12-03

52: Class 08 24: Part F

71: PROVEST GROUP (PTY) LTD

54: EXTENSION POLE FOR GROUT TESTER

57: The design is applied to an extension pole for an electronic grout resistivity tester. The pole is preferably made up of telescopic components which can be secured at various conditions of extension. A pair of suitably long wires extend within the pole from first and second contacts located at the top end, for connection to the grout tester. A magnetic contact will engage a ferromagnetic terminal on a conductor wire that extends to a position within a body of grout around a rock anchor. The other contact will be located against the rock anchor which also forms a conductor from which the resistivity readings can be taken. The pole may be modified to have two magnetic contacts for connection to two conductor wires extending from within a body of grout around a rock anchor and each with a ferromagnetic terminal.



21: F2021/00554 22: 2021-05-24 23:

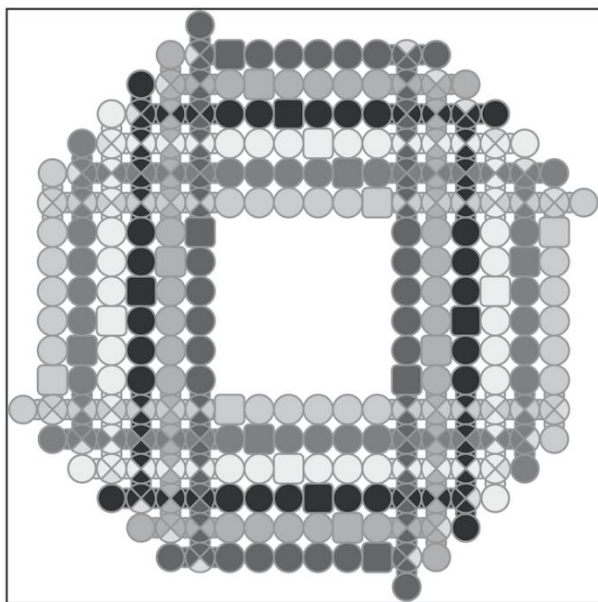
43: 2021-12-03

52: Class 21 24: Part F

71: Jacobus Cornelius Ferreira

54: GAME BOARD

57: The design relates to a Game Board. The features of the design are those of shape and/or pattern and/or configuration.



21: F2021/01106 22: 2021-09-20 23:

43: 2021-04-19

52: Class 2 24: Part F

71: CSIR

54: Garments

57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: F2021/01110 22: 2021-09-20 23:

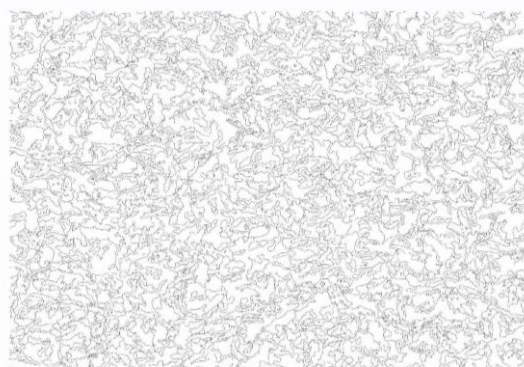
43: 2021-04-19

52: Class 2 24: Part F

71: CSIR

54: Garments

57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: F2021/01112 22: 2021-09-20 23:

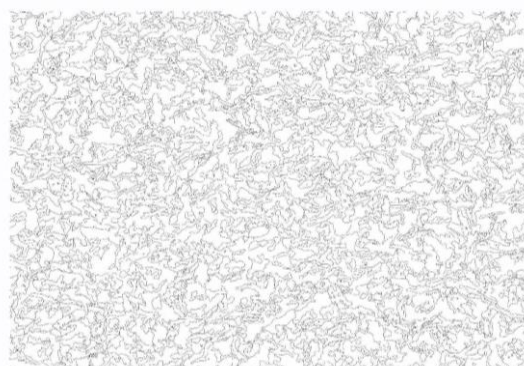
43: 2021-04-19

52: Class 32 24: Part F

71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.



21: F2021/01118 22: 2021-09-20 23:

43: 2021-04-19

52: Class 32 24: Part F

71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.



21: F2021/01120 22: 2021-09-20 23:

43: 2021-04-19

52: Class 2 24: Part F

71: CSIR

54: Garments

57: The design is for a garment having a surface pattern. The surface pattern includes a plurality of spaced apart clusters of overlapping amoeba shaped marks/devices.



21: F2021/01122 22: 2021-09-20 23:

43: 2021-04-19

52: Class 32 24: Part F

71: CSIR

54: Camouflage Surface Patterns

57: The design is for a surface pattern. The surface pattern includes a plurality of spaced apart clusters of randomly overlapping amoeba shaped marks/devices of different sizes.

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

(Applications filed in terms of Act No. 62 of 1977)

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement .This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

No records available

DESIGNS CORRECTION NOTICES

The Notice of Registration of the South African Design No. **A2020/00571** in the name of **Koninklijke Philips N.V.** was erroneously published in the Patent Journal of May 2021, which publication should be regarded as **null and void**.

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for January 2022

Number of Advertised Patents: 405

Application Number	Patent Title	Filing Date
2014/05887	METHODS FOR TREATING AN IMPAIRMENT IN GAIT AND/OR BALANCE IN PATIENTS WITH MULTIPLE SCLEROSIS USING AN AMINOPYRIDINE	2014/08/12
2015/09227	COMPRESSION OF DECOMPOSED REPRESENTATIONS OF A SOUND FIELD	2015/12/18
2016/03044	SYSTEMS AND METHODS FOR MEASURING EFFECTIVENESS OF MARKETING AND ADVERTISING CAMPAIGNS	2016/05/06
2016/05469	MANAGING PROCESSING ASSOCIATED WITH SELECTED ARCHITECTURAL FACILITIES	2016/08/05
2017/00301	SOLID ORAL DOSAGE FORM OF LIPOPHILIC COMPOUNDS	2017/01/13
2017/01793	PROCESSES FOR PRODUCING LOW NITROGEN, ESSENTIALLY NITRIDE-FREE CHROMIUM AND CHROMIUM PLUS NIOBIUM-CONTAINING NICKEL-BASED ALLOYS AND THE RESULTING CHROMIUM AND NICKEL-BASED ALLOYS	2017/03/13
2017/04426	LIPID-ENCAPSULATED GAS MICROSPHERE COMPOSITIONS AND RELATED METHODS	2017/06/29
2017/06197	2-(PHENYLOXY OR PHENYLTHIO)PYRIMIDINE DERIVATIVES AS HERBICIDES	2017/09/12
2018/01330	AN ELECTRIC FENCE INSULATOR	2018/02/27
2018/02029	PPAR AGONISTS, COMPOUNDS, PHARMACEUTICAL COMPOSITIONS, AND METHODS OF USE THEREOF	2018/03/27
2018/03039	NEOSPORA VACCINE COMPOSITION	2018/05/09
2018/03669	ANTIBODIES SPECIFICALLY BINDING PD-1 AND THEIR USES	2018/06/01
2018/05982	BIOMARKERS OF TRAUMATIC BRAIN INJURY	2018/09/06
2018/06719	ERGONOMIC INTEGRAL HANDLE ASSEMBLY	2018/10/09
2019/00215	COMMUNICATION METHOD, NETWORK DEVICE AND USER EQUIPMENT	2019/01/11
2019/00339	GEMSTONE SEPARATION	2019/01/17
2019/00451	IMPROVED BAKERY COMPOSITION	2019/01/22
2019/00892	PROCESS FOR PRODUCING SODIUM	2019/02/12

Application Number	Patent Title	Filing Date
2019/00925	SULPHATE FROM PHOSPHOGYPSUM COOLING WITH ANTI-STOKES FLUORESCENCE	2019/02/13
2019/01336	IMPROVED T CELL COMPOSITIONS	2019/03/04
2019/01531	TREATING REFRACTORY MIGRAINE	2019/03/12
2019/01586	POST SUPPORT	2019/03/14
2019/03627	METHOD FOR CLEANING SURFACES IN INTERIOR SPACES AND IN TECHNICAL EQUIPMENTS WITH BENIGN BACTERIA	2019/06/06
2019/03675	DENTAL FLOSS MEMBER AND DENTAL FLOSS HOLDER	2019/06/07
2019/03749	USE OF CARBAMATE COMPOUND FOR PREVENTING, ALLEVIATING, OR TREATING TREMORS OR TREMOR SYNDROME	2019/06/11
2019/03800	INSURANCE ARRANGEMENT	2019/06/12
2019/03817	PRESSURIZED FLUID FLOW SYSTEM FOR A DTH HAMMER AND NORMAL CIRCULATION HAMMER BASED ON SAME	2019/06/12
2019/03929	METHOD AND APPARATUS FOR WIRELESS COMMUNICATION	2019/06/18
2019/04087	A FAST DISINTEGRATING PHARMACEUTICAL COMPOSITION	2019/06/24
2019/04092	EXON SKIPPING OLIGOMER CONJUGATES FOR MUSCULAR DYSTROPHY	2019/06/24
2019/04171	N-[4-FLUORO-5-[[[(2S,4S)-2-METHYL-4-[(5-METHYL-1,2,4-OXADIAZOL-3-YL)METHOXY]-1-PIPERIDYL]METHYL]THIAZOL-2-YL]ACETAMIDE AS OGA INHIBITOR	2019/06/26
2019/04179	PNEUMATICALLY PILOTED RETAINER VALVE FOR RAIL CARS	2019/06/26
2019/04395	TREATMENT FLUID PREPARATION SYSTEM	2019/07/04
2019/04434	USE OF AT LEAST ONE GLYCYRRHIZA PLANT-BASED PREPARATION, AN ANTIDOTE MADE FROM SAME, AND THE USE OF SAID ANTIDOTE	2019/07/05
2019/04584	ORAL PREPARATION OF GLUCOKINASE ACTIVATOR AND PREPARATION METHOD THEREFOR	2019/07/12
2019/04853	DEMULSIFICATION ADDITIVE COMPOSITION, USE THEREOF, AND METHOD OF DEMULSIFICATION	2019/07/24
2019/04936	BLOCKCHAIN DATA PROTECTION BASED ON GENERIC ACCOUNT MODEL AND HOMOMORPHIC ENCRYPTION	2019/07/26
2019/05094	METHODS AND MICROORGANISMS FOR MAKING 2,3-BUTANEDIOL AND DERIVATIVES THEREOF FROM C1	2019/07/31

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	CARBONS	
2019/05136	ENZYME¿ASSISTED LIPID¿BASED EXTRACTION AND STABILIZATION OF PHYTO¿CANNABINOIDS AND TERPENS AND PRODUCTS OBTAINED THEREOF	2019/08/02
2019/05267	CIRCUMCISION DEVICE	2019/08/08
2019/06428	MINING VEHICLE, AND METHOD FOR STARTING AN AC ELECTRIC MOTOR OF A MINING VEHICLE	2019/09/30
2019/06682	CANNABINOID EXTRACTION PROCESS AND SYSTEM	2019/10/10
2019/07333	PORTABLE SYSTEM AND METHOD FOR IDENTIFYING ROULETTE WHEEL BIASES	2019/11/05
2019/07357	CAVITY CLOSER AND SLIP JOINT BUILDING ACCESSORY	2019/11/06
2019/07449	LIQUID FUEL DELIVERY AND USAGE SYSTEMS AND METHODS	2019/11/11
2019/07612	HUBODOMETER	2019/11/18
2019/07805	ACOUSTIC SYSTEM AND METHOD FOR THE TRACTION/BRAKING CONTROL OF A TRAIN	2019/11/25
2019/07806	ANTIBODIES AND ASSAYS FOR DETECTION OF FOLATE RECEPTOR 1	2019/11/21
2019/07937	A CORRUGATED CONSTRUCTION ELEMENT	2019/11/28
2019/08472	METHOD FOR HAIR STRAIGHTENING AND RELATIVE DEVICE FOR HAIR STRAIGHTENING	2019/12/19
2019/08583	A VEHICLE REFUELING AUTHENTICATION SYSTEM	2019/12/23
2019/08617	COMBINED THERAPY FOR NMDAR ANTAGONIST-RESPONSIVE NEUROPSYCHIATRIC DISORDERS	2019/12/23
2020/00502	COSMETIC COMPOSITIONS AND METHODS OF USE	2020/01/24
2020/01051	CONTINUOUS STRAND OF FILAMENTS HAVING GRADIENT-LENGTH CHARACTERISTIC IMPLEMENTED BY KINKY TEXTURE AND SPIRAL ROTATION TWIST, AND MANUFACTURING METHOD THEREFOR	2020/02/19
2020/01338	PROCESS AND APPARATUS FOR RECYCLING OF MIXED PLASTIC WASTE	2020/03/02
2020/01370	COMPRESSING JAW ASSEMBLY UNIT	2020/03/03
2020/01415	COLLAR LIFE PRESERVER FOR WATER SPORTS	2020/03/05
2020/01978	GUN	2020/05/04

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2020/02021	DRILL SUPPORT	2020/05/04
2020/02191	ADENOVIRUS AND USES THEREOF	2020/05/04
2020/02247	TREATING IGE-MEDIATED ALLERGIC DISEASES	2020/05/04
2020/02249	NOVEL, HIGHLY ACTIVE AMINO-THIAZOLE SUBSTITUTED INDOLE-2-CARBOXAMIDES ACTIVE AGAINST THE HEPATITIS B VIRUS (HBV)	2020/05/04
2020/02306	DEBLINDING APPARATUSES AND METHODS FOR SCREENING	2020/05/04
2020/02638	BUILDING BRICK COMPRISING THERMO-softening PLASTIC AND METHOD OF MANUFACTURE	2020/05/12
2020/02763	FUEL ADDITIVE COMPOSITIONS, AND METHOD OF USE THEREOF	2020/05/14
2020/02829	HELICAL GEAR WELL FOR CRUSHING APPARATUS	2020/05/15
2020/03090	UNDERWATER TENSION BEARING ELECTRICAL SWIVEL	2020/05/25
2020/03425	HYBRID SEED SELECTION AND SEED PORTFOLIO OPTIMIZATION BY FIELD	2020/06/08
2020/03503	METHOD AND PROCESS FOR EFFICIENT USE OF GEOGRAPHICALLY DISPERSED FACILITIES	2020/06/11
2020/03512	WATER SUPPLY PUMP FOR ON-BOARD FIRE WATER MONITOR	2020/06/11
2020/03539	AUTOMATIC SHEPHERD'S PURSE CLEANING AND QUICK-FREEZING PROCESSING LINE	2020/06/12
2020/03587	STORAGE STABLE MIXTURES, METHOD OF IMPROVING RETENTION OF A COMPOUND AND USE OF RICE HULLS AND/OR RICE BRAN TO ENHANCE RETENTION OF A COMPOUND	2020/06/15
2020/03588	DIGITAL MODELING OF DISEASE ON CROPS ON AGRONOMICS FIELDS	2020/06/15
2020/03590	PROCESS FOR THE PREPARATION OF OPICAPONE AND INTERMEDIATES THEREOF	2020/06/15
2020/03715	MODIFIED WOOD PRODUCT AND A PROCESS FOR PRODUCING SAID PRODUCT	2020/06/19
2020/03716	A SOLAR CELL AND A METHOD FOR MANUFACTURING THE SOLAR CELL	2020/06/19
2020/03717	SULFONE PYRIDINE ALKYL AMIDE-SUBSTITUTED HETEROARYL COMPOUNDS	2020/06/19
2020/03726	PACKAGE DELIVERY AND COLLECTION SYSTEM AND METHOD USING DRONES	2020/06/19
2020/03745	SECURE MULTIPARTY LOSS	2020/06/22

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	RESISTANT STORAGE AND TRANSFER OF CRYPTOGRAPHIC KEYS FOR BLOCKCHAIN BASED SYSTEMS IN CONJUNCTION WITH A WALLET MANAGEMENT SYSTEM	
2020/03776	STIMULATION OF THE NITRIFICATION OF A SOIL WITH COMPOUNDS COMPRISING A PLANT EXTRACT	2020/06/22
2020/03807	PROCESS FOR PRODUCTION OF FILM COMPRISING MICROFIBRILLATED CELLULOSE	2020/06/23
2020/03808	ERBB/BTK INHIBITORS	2020/06/23
2020/03833	CONJUGATES AND PREPARATION AND USE THEREOF	2020/06/24
2020/03839	SOLID-LIQUID TWO-PHASE FLUID STIRRING IMPELLER	2020/06/24
2020/04043	ISOSTATIC SIDE-PRESSURE SHIELDED COMPOSITE CONSOLIDATION	2020/07/02
2020/04070	PROCESS FOR SUGAR MODULATION	2020/07/03
2020/04104	CERDULATINIB-CONTAINING TOPICAL SKIN PHARMACEUTICAL COMPOSITIONS AND USES THEREOF	2020/07/06
2020/04108	ORAL CARE COMPOSITION	2020/07/06
2020/04122	METHODS FOR EFFICIENT USE OF UNLICENSED SPECTRUM	2020/07/06
2020/04156	DETECTION OF MAINTENANCE STATUS FOR A PANTOGRAPH AND/OR A CONTACT WIRE	2020/07/07
2020/04157	KEYWAY TIE	2020/07/07
2020/04182	METHOD FOR EFFECTIVELY CONTROLLING COCCOIDEA INSECT PESTS	2020/07/08
2020/04202	ELECTRICAL POWER CONVERSION SYSTEM AND ASSOCIATED METHOD	2020/07/09
2020/04203	ACTIVE MATERIAL AND ELECTRIC POWER GENERATOR CONTAINING IT	2020/07/09
2020/04228	SECURING DEVICE	2020/07/10
2020/04233	REACTORS AND SUBMERGED FERMENTATION METHODS FOR PRODUCING MICROBE-BASED PRODUCTS	2020/07/10
2020/04239	TISSUE REPAIR LAMINATES	2020/07/10
2020/04290	REFRIGERANT-CONTAINING COMPOSITION, USE THEREOF, REFRIGERATING MACHINE HAVING SAME, AND METHOD FOR OPERATING SAID REFRIGERATING MACHINE	2020/07/13
2020/04327	MEDICINE FOR PREVENTING OR TREATING OPHTHALMIC DISEASE ASSOCIATED WITH ENHANCED INTRAOCULAR NEOVASCULARIZATION AND/OR INTRAOCULAR VASCULAR	2020/07/14

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	PERMEABILITY	
2020/04329	RANDOM ACCESS PROCEDURE	2020/07/14
2020/04331	METHOD FOR IDENTIFYING THE UNIT CAUSING A RAW WATER LEAK IN A CONDENSER OF A THERMAL POWER PLANT	2020/07/14
2020/04332	SYSTEM AND METHOD FOR STAR AND MESH COMMUNICATIONS WITHIN A VERY SMALL APERTURE TERMINAL SYSTEM	2020/07/14
2020/04349	FLUORALKENYL COMPOUNDS, PROCESS FOR PREPARATION AND USE THEREOF	2020/07/15
2020/04354	EFFICIENT MAC CE INDICATION OF SPATIAL RELATION FOR SEMI-PERSISTENT SRS	2020/07/15
2020/04356	METHODS AND SYSTEM FOR MONITORING AND REPLENISHING ONE OR MORE LAUNDRY COMPONENTS	2020/07/15
2020/04369	BLOCKCHAIN IMPLEMENTED COUNTING SYSTEM AND METHOD FOR USE IN SECURE VOTING AND DISTRIBUTION	2020/07/16
2020/04411	PET FEEDING DEVICE	2020/07/17
2020/04433	THERAPEUTIC AGENT FOR NERVOUS SYSTEM DISEASE	2020/07/17
2020/04435	METHODS, NETWORK NODES, WIRELESS DEVICE AND COMPUTER PROGRAM PRODUCT FOR RESUMING A CONNECTION WITH FULL CONFIGURATION	2020/07/17
2020/04452	VARIABLE GUIDE BEARING	2020/07/20
2020/04462	METHOD, UNIT AND PRECIOUS METAL EXTRACTION UNIT FOR IMPROVING THE YIELD IN PRECIOUS METAL EXTRACTION BY SORPTION-LEACHING PROCESSES	2020/07/20
2020/04463	FREQUENCY HOPPING FOR A RANDOM ACCESS PREAMBLE	2020/07/20
2020/04465	SYSTEM FOR FATTENING MOLLUSCS	2020/07/20
2020/04547	COMPRESSOR AND METHOD FOR COMPRESSING A WORKING MEDIUM	2020/07/22
2020/04549	POWDERY BASE COMPOSITION	2020/07/22
2020/04574	LOBE PUMP	2020/07/23
2020/04577	RARE EARTH METAL MOLTEN SALT ELECTROLYTIC CELL	2020/07/23
2020/04653	PLASMA KALLIKREIN BINDING PROTEINS AND USES THEREOF IN TREATING HEREDITARY ANGIOEDEMA	2020/07/28
2020/04658	PHARMACEUTICAL COMPOSITION COMPRISING AN APL TYPE PEPTIDE	2020/07/28
2020/04675	PHARMACEUTICAL COMBINATIONS	2020/07/29

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	COMPRISING AN ANTI-LY75 ANTIBODY	
2020/04677	AN AEROSOL-GENERATING DEVICE HAVING TEMPERATURE-BASED CONTROL	2020/07/29
2020/04682	LIQUID-COOLED CANTILEVER SUPPORT SHELF FOR UPPER TIERS OF REFRACTORY BRICK WALLS	2020/07/29
2020/04703	ANTIOXIDANT SYSTEM	2020/07/29
2020/04706	A SANITIZER COMPOSITION	2020/07/29
2020/04771	ANTI-CD25 FOR TUMOUR SPECIFIC CELL DEPLETION	2020/07/31
2020/04787	TA UPDATE IN RRC_INACTIVE STATE	2020/07/31
2020/04788	ANTIOXIDANT COMPOSITION	2020/07/31
2020/04805	CD73 INHIBITORS	2020/08/03
2020/04829	TIE-ROD FRAME PLATE FOR CENTRIFUGAL PUMP	2020/08/04
2020/04846	METHOD, SYSTEM, AND DEVICE FOR MAIL MONITORING	2020/08/04
2020/04847	METHOD AND DEVICE FOR LABELING AND FILTERING EMAILS ON BASIS OF ADDRESS LIST, SERVER AND SYSTEM	2020/08/04
2020/04864	DOUGH COMPOSITION AND PROCESS FOR MANUFACTURE	2020/08/05
2020/04865	A METHOD OF DETERMINING PASSIVE ROUND TRIP TIME, RTT, DELAY IN A TELECOMMUNICATIONS SYSTEM	2020/08/05
2020/04900	AN ANTIMICROBIAL PARTICULATE COMPOSITION AND A PERSONAL CARE COMPOSITION COMPRISING THE SAME	2020/08/07
2020/04901	UE AND COMMUNICATION CONTROL METHOD FOR UE	2020/08/07
2020/04939	FIREFIGHTING VEHICLE	2020/08/11
2020/04940	METHOD AND APPARATUS FOR AIR EXTRACTION IN THE AREA OF A HEATING PRESS	2020/08/11
2020/04945	MULTIPURPOSE DRILL SYSTEM	2020/08/11
2020/04983	WAVE FORCE GENERATION SYSTEM AND CONTROLLING METHOD THEREFOR	2020/08/12
2020/04984	RESOURCE BLOCK ASSIGNMENT FOR MSG3 TRANSMISSION	2020/08/12
2020/04987	BURNER HEAD ACTUATOR FOR LUBRICATING GLASSWARE MOLDS OF A GLASSWARE FORMING MACHINE	2020/08/12
2020/04990	INCISION STATION FOR PACKAGING MACHINE AND RELATIVE INCISION METHOD	2020/08/12
2020/05011	INHIBITED EMULSIONS FOR USE IN BLASTING IN REACTIVE GROUND OR UNDER HIGH TEMPERATURE CONDITIONS	2020/08/13

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2020/05012	TRACTION ELEMENTS FOR ATHLETIC SHOES AND METHODS OF MANUFACTURE THEREOF	2020/08/13
2020/05014	MANAGING A TEMPORARY SUBSCRIBER IDENTIFIER HAVING AN EXTENDED LENGTH DURING CONNECTION SETUP IN 5G NETWORKS	2020/08/13
2020/05015	IMPROVED ACTIVATION OF SECONDARY CELLS FOR CARRIER AGGREGATION AND DUAL CONNECTIVITY	2020/08/13
2020/05017	BWP SWITCHING METHOD AND APPARATUS, AND TERMINAL DEVICE	2020/08/13
2020/05023	L2A5 ANTIBODY OR FUNCTIONAL FRAGMENT THEREOF AGAINST TUMOUR ANTIGENS	2020/08/13
2020/05024	PHENOXYUREA COMPOUND AND PEST CONTROL AGENT	2020/08/13
2020/05055	LOAD RETENTION SYSTEM	2020/08/14
2020/05079	HYGIENIC MIXER	2020/08/17
2020/05080	AIR-MOVING DEVICE EMPLOYING COANDA EFFECT FOR POLLINATING A RECIPIENT PLANT USING POLLEN COLLECTED FROM A DONOR PLANT	2020/08/17
2020/05081	CONFIGURING RADIO RESOURCES	2020/08/17
2020/05082	AGRICULTURAL GROUND ENGAGING CHAIN AND LINK SYSTEM	2020/08/17
2020/05109	LACTOSE FREE MILK PRODUCTS	2020/08/18
2020/05111	RODICULATING THERMODYNAMIC APPARATUS	2020/08/18
2020/05113	DYE GRANULE	2020/08/18
2020/05149	METHOD FOR PRODUCING HAIRPIN SINGLE-STRANDED RNA MOLECULE	2020/08/19
2020/05152	ROBOT WITH MAGNETIC WHEELS FOR CLEANING SHIP HULLS	2020/08/19
2020/05154	PRESSURE HOSE	2020/08/19
2020/05163	METHOD AND SYSTEM FOR FREQUENCY COMPRESSION	2020/08/19
2020/05173	PROCESSES FOR PRODUCTION OF MICRONUTRIENTS FROM SPENT ALKALINE BATTERIES	2020/08/20
2020/05192	SYSTEM AND METHOD FOR AUTHENTICATED SHARIA LAW COMPLIANT LOTTERY, SPORTS BETTING AND GAMING	2020/08/20
2020/05226	A TUFTING MACHINE	2020/08/21
2020/05229	METHOD FOR ERECTING A LIFT FACILITY	2020/08/21
2020/05295	ADAPTATION LAYER SETUP AND CONFIGURATION IN INTEGRATED ACCESS BACKHAUL NETWORKS	2020/08/25

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2020/05296	A MOORING DEVICE AND A FLOATING UNIT COMPRISING AT LEAST ONE MOORING DEVICE	2020/08/25
2020/05321	STEAM ENGINE MODEL WITH ADJUSTABLE AIR OUTPUT FOR METALWORKING PRACTICE TEACHING	2020/08/26
2020/05322	MIXING DEVICE WITH CLOSURE ELEMENT	2020/08/26
2020/05341	INHIBITORS OF ACTIVIN RECEPTOR-LIKE KINASE	2020/08/27
2020/05390	A PUBLICLY ACCESSIBLE URBAN BEACH ENTERTAINMENT COMPLEX INCLUDING A SURF FEATURE WITH A CENTERPIECE MAN-MADE TROPICAL-STYLE LAGOON AND METHOD FOR PROVIDING EFFICIENT UTILIZATION OF LIMITED USE LAND	2020/08/28
2020/05394	SWEAT MAPPING METHOD	2020/08/28
2020/05396	RADIO LINK FAILURE MANAGEMENT IN WIRELESS COMMUNICATION NETWORKS	2020/08/28
2020/05397	ANTIPERSPIRANT PRODUCTS	2020/08/28
2020/05398	MANAGING EXTENDED 5G-S-TMSI IN LTE CONNECTED TO 5GC	2020/08/28
2020/05435	MIXING DEVICE HAVING A TWO-PART CLOSURE LID	2020/08/31
2020/05439	POLYPHENYLENE SULFIDE FIBER AND NON-WOVEN FABRIC	2020/08/31
2020/05443	METHOD OF DECARBONATING GAS STREAMS	2020/08/31
2020/05515	A METHOD AND SYSTEM FOR CLASSIFYING FOOD ITEMS	2020/09/04
2020/05538	SYSTEMS AND METHODS FOR POWER MANAGEMENT AND CONTROL	2020/09/07
2020/05540	CAP FOR A CONTAINER, AND ITS PRODUCTION METHOD	2020/09/07
2020/05590	METHOD OF TREATING BENIGN PROSTATIC HYPERPLASIA WITH ANTIBIOTICS	2020/09/09
2020/05720	METHOD FOR TREATING ASTHMA OR ALLERGIC DISEASE	2020/09/15
2020/05724	SYSTEM FOR DRILL BIT CHANGE IN A DRILLING RIG, DRILLING RIG COMPRISING SUCH A SYSTEM, AND A METHOD FOR CHANGING DRILL BITS USING SUCH A SYSTEM	2020/09/15
2020/05772	PYRAZOLOTRIAZOLOPYRIMIDINE DERIVATIVES AS A2A RECEPTOR ANTAGONIST	2020/09/17
2020/05816	ENHANCED CONVERSION OF TAURINE TO ALKYL TAURATE AMIDE USING PHOSPHORIC ACID CATALYSTS	2020/09/18

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2020/05846	FUEL DISPENSER WITH LEAK DETECTION	2020/09/21
2020/05847	CANCER THERAPY	2020/09/21
2020/05848	MODIFIED ONCOLYTIC ADENOVIRUSES	2020/09/21
2020/05858	SYSTEM AND METHOD FOR PERFORMING TRANSFORMER DIAGNOSTICS	2020/09/22
2020/06005	FUEL CELL SYSTEM	2020/09/29
2020/06069	RANDOM ACCESS METHOD AND DEVICE	2020/09/30
2020/06070	STOPPER WITH LOW FORCE FOR USE IN AN INJECTOR	2020/09/30
2020/06076	ROTARY DISC FILTER HAVING A BACKWASH SYSTEM THAT INCLUDES A COMPACT NOZZLE SUPPORT STRUCTURE	2020/09/30
2020/06103	TRISPECIFIC AND/OR TRIVALENT BINDING PROTEINS	2020/10/02
2020/06128	METHOD FOR PREPARING PYRROLOAMINOPYRIDAZINONE COMPOUND AND INTERMEDIATES THEREOF	2020/10/02
2020/06130	COMPOSITION AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN SPARK-IGNITED INTERNAL COMBUSTION ENGINES	2020/10/02
2020/06131	COMPOSITE CATALYST, METHOD FOR PREPARING THE SAME, AND METHOD FOR PRODUCING ETHYLENE	2020/10/02
2020/06164	UPLINK CONTROL INFORMATION SENDING AND RECEIVING METHOD AND APPARATUS	2020/10/05
2020/06168	BIOLOGICALLY RELEVANT ORTHOGONAL CYTOKINE/RECEPTOR PAIRS	2020/10/05
2020/06170	MAC RESET PROCEDURES	2020/10/05
2020/06173	ELONGATED FUNCTIONAL SYSTEM CONFIGURED TO BE ADVANCED IN THE LUMEN OF A PIPE, A DUCT OR A TUBE	2020/10/05
2020/06185	CONTAINER LID WITH BUTTON RELEASE AND LOCK	2020/10/06
2020/06213	MICROARRAY BASED MULTIPLEX PATHOGEN ANALYSIS AND USES THEREOF	2020/10/07
2020/06221	WEAR MEMBER FOR A WORK IMPLEMENT	2020/10/07
2020/06226	METHODS FOR HANDLING PERIODIC RADIO ACCESS NETWORK NOTIFICATION AREA (RNA) UPDATE	2020/10/07

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	CONFIGURATION UPON REJECT	
2020/06227	ROLLER ASSEMBLY FOR A CONVEYOR BELT	2020/10/07
2020/06228	SYSTEM AND METHOD FOR SOLAR GREENHOUSE AQUAPONICS AND BLACK SOLDIER FLY COMPOSTER AND AUTO FISH FEEDER	2020/10/07
2020/06231	TRACK PAD GEOMETRY FOR HARD SURFACES	2020/10/07
2020/06241	SOCCER BOARD GAME	2020/10/08
2020/06242	MEDICAL HISTORY PROCESSING SYSTEM AND METHOD FOR INSURANCE UNDERWRITING PURPOSES	2020/10/08
2020/06252	YEAST PROTEINS	2020/10/08
2020/06254	METHODS AND APPARATUSES FOR HANDLING RADIO ACCESS NETWORK NOTIFICATION AREA (RNA) UPDATE CONFIGURATION UPON REJECT	2020/10/08
2020/06263	ANTIBODY FORMULATION	2020/10/08
2020/06289	SYSTEM AND METHOD FOR GENERATING TIRE RUBBER ASPHALT	2020/10/09
2020/06291	TRANSMISSION OF UPLINK REFERENCE SIGNALS	2020/10/09
2020/06321	TREATMENTS	2020/10/12
2020/06323	NANOEMULSIONS AND A METHOD FOR MAKING THE SAME	2020/10/12
2020/06324	LOPINAVIR AND RITONAVIR FOR THE TREATMENT OF CERVIX DISORDERS	2020/10/12
2020/06334	POST-EMERGENCE HERBICIDE	2020/10/05
2020/06345	COMPOSITION FOR PREVENTING OR TREATING CANCER, COMPRISING A VASCULAR DISRUPTING AGENT AND TAXANE COMPOUND	2020/10/13
2020/06346	PHARMACEUTICAL PREPARATION	2020/10/13
2020/06347	ANTI-INFLAMMATORY COMPOUND AND PREPARATION AND USE THEREOF	2020/10/13
2020/06348	METHODS OF DIAGNOSING AND TREATING BASED ON SITE-SPECIFIC TAU PHOSPHORYLATION	2020/10/13
2020/06349	DEHYDRATION AND CYCLIZATION OF ALPHA-, BETA-DIHYDROXY CARBONYL COMPOUNDS TO 2-SUBSTITUTED FURAN DERIVATIVES	2020/10/13
2020/06351	USE OF CYCLODEXTRINS AS AGROCHEMICAL DELIVERY SYSTEM	2020/10/13
2020/06376	COMPOSITE STRUCTURE WITH SEPARATOR FOR COINS AND THE LIKE	2020/10/14
2020/06411	APPARATUS FOR MAKING A BEVERAGE, COMPRISING AN IMAGE ACQUISITION DEVICE	2020/10/15

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2020/06414	METHOD FOR OLEFIN METATHESIS BY MEANS OF AN ACID-ACTIVATED CATALYST	2020/10/15
2020/06429	METHODS OF USING ZSCAN4 FOR REJUVENATING HUMAN CELLS	2020/10/16
2020/06440	COMMUNICATIONS METHOD AND APPARATUS	2020/10/16
2020/06475	ADAPTER BOARD BOLTED JOINT SURFACE	2020/10/19
2020/06479	IMPROVEMENTS IN OR RELATING TO BEAM ALIGNMENT FOR ELECTRONICALLY STEERED ANTENNAE SYSTEMS	2020/10/19
2020/06480	CD4 MUTEINS AND METHODS OF USING THE SAME	2020/10/19
2020/06483	SYSTEM FOR SYNCHRONIZING A GROUND SEGMENT TO A BEAM HOPPING SATELLITE	2020/10/19
2020/06486	Solar plant having a pivotable and lockable module table	2020/10/19
2020/06500	MATERIALS AND METHODS FOR ENGINEERING CELLS AND USES THEREOF IN IMMUNO-ONCOLOGY	2020/10/20
2020/06512	TOOL BIT HAVING A CYLINDRICAL PROFILE AND BLADE ASSEMBLY	2020/10/20
2020/06513	DRAFTED TOOL BIT	2020/10/20
2020/06514	RETENTION SYSTEM FOR ATTACHING TOOL BITS TO A BLADE ASSEMBLY	2020/10/20
2020/06540	LIVER PROTECTANT COMPOSITIONS AND THERAPEUTIC APPLICATIONS	2020/10/21
2020/06583	PLUG ARRANGEMENT	2020/10/22
2020/06584	DENSE MEDIA SEPARATION METHOD	2020/10/22
2020/06601	CAMERA HOUSING	2020/10/23
2020/06623	LINER AND RETAINING MEMBER FOR USE WITH RESPIRATORY MASK	2020/10/23
2020/06626	ADVERTISING EXTENSIBLE CAPABILITY FEATURE SETS FOR A USER EQUIPMENT (UE)	2020/10/23
2020/06643	OXAZOLIDINONE ANTIBIOTIC COMPOUNDS AND PROCESS OF PREPARATION	2020/10/26
2020/06644	HYDROCARBON MIXTURE EXHIBITING UNIQUE BRANCHING STRUCTURE	2020/10/26
2020/06645	PROCESS FOR PREPARING HYDROCARBON MIXTURE EXHIBITING UNIQUE BRANCHING STRUCTURE	2020/10/26
2020/06647	ANTI-CD24 COMPOSITIONS AND USES THEREOF	2020/10/26
2020/06677	OPENABLE STRUCTURE FOR A SUBSTRUCTURE	2020/10/27
2020/06689	DEBLOCKING OF IMPLICIT TRANSFORM UNIT BOUNDARIES	2020/10/27

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2020/06731	A WIRELESS RADIO FREQUENCY TRIGGERED SIGNAL ACQUISITION DEVICE	2020/10/28
2020/06733	DEVICES FOR ALIGNING MAGNETIC OR MAGNETIZABLE PARTICLES, MACHINE AND METHOD FOR GENERATING OPTICALLY VARIABLE IMAGE ELEMENTS	2020/10/28
2020/06772	"SUPPORTED E/E#39; IRON CARBIDE CATALYST FOR FISCHER-TROPSCH SYNTHESIS REACTION, PREPARATION THEREOF AND FISCHER-TROPSCH SYNTHESIS PROCESS"	2020/10/29
2020/06773	PURE PHASE '?' IRON CARBIDE CATALYST FOR FISCHER-TROPSCH SYNTHESIS REACTION, PREPARATION METHOD THEREFOR AND FISCHER-TROPSCH SYNTHESIS PROCESS	2020/10/29
2020/06778	LAUNDRY DETERGENT	2020/10/29
2020/06810	PROCESS FOR TREATING HAIR	2020/10/30
2020/06813	SLIDING CLOSURE FOR A METALLURGICAL VESSEL, PREFERABLY A DISTRIBUTOR VESSEL FOR A CONTINUOUS CASTING FACILITY	2020/10/30
2020/06814	DRINKING VESSEL AND VENTILATION MEMBERS	2020/10/30
2020/06840	COMPLEX ADAPTIVE SYSTEM	2020/11/02
2020/06888	CACHE-BASED TRACE REPLAY BREAKPOINTS USING RESERVED TAG FIELD BITS	2020/11/04
2020/07642	VACUUM DEPOSITION FACILITY AND METHOD FOR COATING A SUBSTRATE	2020/12/08
2020/07707	SHAPED BODY FOR SUPPORTING A HUMAN HEAD	2020/12/10
2020/07759	ASSEMBLY FOR SATURATING A MEDIUM WITH A FLUID	2020/12/11
2020/07930	FUMARATE SALT OF 5-((5-METHYL-2-((3,4,5-TRIMETHYLPHENYL)AMINO)PYRIMIDIN-4-YL)AMINO)-BENZO[D]OXAZOL-2(3H)-ONE	2020/12/18
2020/07980	P2X3 RECEPTOR ANTAGONISTS	2020/12/21
2020/07983	POCKETED SPRING ASSEMBLY HAVING MULTI-LAYERED IMPERMEABLE FABRIC	2020/12/21
2021/00105	REAL TIME DISCOUNT MARKETPLACE	2021/01/07
2021/00132	PLANT GROWTH REGULATOR CONCENTRATE AND USE THEREOF	2021/01/08
2021/00202	COMPOSITIONS AND METHODS FOR INCREASING OR ENHANCING	2021/01/12

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	TRANSDUCTION OF GENE THERAPY VECTORS AND FOR REMOVING OR REDUCING IMMUNOGLOBULINS	
2021/00266	AN ASSEMBLY OF AT LEAST 2 METALLIC SUBSTRATES	2021/01/14
2021/00290	FIRST-ORDER LOGICAL NEURAL NETWORKS WITH BIDIRECTIONAL INFERENCE	2021/01/15
2021/00379	AN ASSEMBLY OF AT LEAST 2 METALLIC SUBSTRATES	2021/01/19
2021/00601	TEST METHOD FOR NON-CONTACT MEASUREMENT OF WAVE VELOCITY OF ROCK IN FIDELITY ENVIRONMENT	2021/01/27
2021/00668	POSITIONING METHOD AND COMMUNICATIONS APPARATUS	2021/01/29
2021/00743	RECONSTITUTABLE PERSONAL HYGIENE PRODUCT	2021/02/03
2021/00900	VERTICAL BALL MILL, STATOR SEGMENT FOR A VERTICAL BALL MILL AND METHOD FOR MAINTAINING A VERTICAL BALL MILL	2021/02/10
2021/01028	FILL LEVEL DETECTIONING FOR ELECTRODE CAP MAGAZINES	2021/02/15
2021/01074	TEMPLATES AND HANDLES	2021/02/17
2021/01076	A valve for the control of neutral braking	2021/02/17
2021/01112	POLISHING DEVICE	2021/02/18
2021/01144	BUMPER BEAM HAVING AN INSERT	2021/02/19
2021/01145	METHOD AND ELECTRONIC DEVICE FOR MONITORING A MANUFACTURING OF A METAL PRODUCT, RELATED COMPUTER PROGRAM AND INSTALLATION	2021/02/19
2021/01150	METHOD AND APPARATUS FOR MINERALS AND WATER SEPARATION	2021/02/19
2021/01204	FILLER MADE FROM SORTED WASTE MATERIALS FOR THE PRODUCTION OF CEMENT-BOUND SHAPED BODIES	2021/02/23
2021/01225	COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2021/02/23
2021/01241	HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2021/02/24
2021/01275	HIGH STRENGTH HOT ROLLED STEEL HAVING EXCELLENT SCALE ADHESIVENESS AND A METHOD OF MANUFACTURING THE SAME	2021/02/25
2021/01277	ENCODING AND DECODING METHOD, APPARATUS AND COMMUNICATION SYSTEM	2021/02/25
2021/01292	AN EXTENSIBLE FLEXIBLE HOSE, IN PARTICULAR BUT NOT EXCLUSIVELY	2021/02/25

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	FOR IRRIGATION, AND METHOD FOR ITS MANUFACTURING	
2021/01293	SYSTEMS AND METHODS FOR SIZING AND IMPLANTING PROSTHETIC HEART VALVES	2021/02/25
2021/01308	METHOD AND APPARATUS OF MUSIC EDUCATION	2021/02/25
2021/01443	BUMPER BEAM HAVING STEEL REINFORCEMENT	2021/03/03
2021/01649	THERMO SOFTENING PLASTIC POLYMER AND SAND AGGLOMERATE AND METHOD OF MANUFACTURE	2021/03/11
2021/01723	A FUEL FILLER NECK FOR PROVIDING FUEL TO A FUEL TANK AND A METHOD FOR PROVIDING A FUEL ACCESS TO A FUEL TANK	2021/03/15
2021/01826	METHOD AND MODULE SYSTEM FOR BUILDING A WALL STRUCTURE	2021/03/18
2021/01829	COLD ROLLED ANNEALED STEEL SHEET WITH HIGH HOLE EXPANSION RATIO AND MANUFACTURING PROCESS THEREOF	2021/03/18
2021/01832	HOT ROLLED STEEL AND A METHOD OF MANUFACTURING THEREOF	2021/03/18
2021/01849	SEA CURRENT TURBINE	2021/03/18
2021/01964	COMBUSTION APPARATUS	2021/03/24
2021/01968	SOLID-LIQUID SEPARATOR	2021/03/24
2021/01969	DISINFECTION APPARATUS AND METHOD OF TREATING WASTE	2021/03/24
2021/01987	WASTE TREATMENT DEVICE	2021/03/24
2021/02018	ORAL FLUID COLLECTION DEVICE	2021/03/25
2021/02252	SECURITY APPARATUS	2021/04/06
2021/02560	A METHOD OF MANUFACTURING A DISPLAY PANEL FOR AN ESCALATOR STEP	2021/04/19
2021/02576	A SELF EXPANDING FLOW DIVERSION DEVICE WITH ENHANCED KINK RESISTANCE AND RADIAL STRENGTH	2021/04/19
2021/02645	METHODS AND SYSTEMS FOR SIMULATING DEPOSITION OF INHALED DRUG ON LUNGS	2021/04/21
2021/03715	METHOD AND ASSEMBLING SYSTEM FOR INSERTING AT LEAST ONE NUCLEAR FUEL ROD INTO SPACER GRIDS OF A NUCLEAR FUEL ASSEMBLY	2021/05/31
2021/03739	APPARATUS, METHOD AND COMPUTER PROGRAM FOR ENCODING, DECODING, SCENE PROCESSING AND OTHER PROCEDURES RELATED TO DIRAC BASED SPATIAL AUDIO CODING USING	2021/05/31

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	DIRECT COMPONENT COMPENSATION	
2021/04385	SAFETY INTERLOCKING SYSTEM FOR WALKING ANCHORING EQUIPMENT AND CONTROL METHOD THEREFOR	2021/06/25
2021/05403	PARAMETER DERIVATION FOR INTRA PREDICTION	2021/07/29
2021/05514	ATTITUDE ANGLE SOLUTION METHOD FOR MOBILE ROBOT	2021/08/03
2021/05545	SBR-MODIFIED ROAD ASPHALT PRODUCTION APPARATUS	2021/08/06
2021/05997	USE OF MELATONIN IN ENHANCING AROMA OF SHINE-MUSCAT GRAPES	2021/08/20
2021/06135	HIGH PRESSURE STOPE CLEANING WATERJET SYSTEM	2021/08/25
2021/06138	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR ENHANCING IMMUNITY	2021/08/25
2021/06219	IRRIGATION DEVICE FOR AGRICULTURAL PLANTING IN GREENHOUSE	2021/08/27
2021/06285	RIDGE LINE DAMAGE EXTENT MEASUREMENT METHOD AND APPARATUS THEREFOR	2021/08/30
2021/06706	METHOD FOR IMPROVING UTILIZATION EFFICIENCY OF WATER AND FERTILIZERS OF CROPS	2021/09/10
2021/07012	METHOD FOR CONTROLLING MICROCELLULAR INJECTION FOAMING	2021/09/20
2021/07979	SPONGE URBAN RAINWATER STORAGE STRUCTURE	2021/10/19
2021/07980	WATERLOGGING PREVENTION GREEN BELT STRUCTURE BASED ON SPONGE CITY	2021/10/19
2021/07985	A SYSTEM FOR DIGITAL TRANSFORMATION OF SHG FUNDING AND SAVINGS	2021/10/19
2021/08019	ELECTROLYTE PREPARATION DEVICE FOR POWER LITHIUM BATTERIES	2021/10/20
2021/08020	ELECTROLYTE FILLING STRUCTURE FOR LITHIUM BATTERIES	2021/10/20
2021/08021	ELECTROLYTE FILLING DEVICE FOR LITHIUM BATTERIES	2021/10/20
2021/08089	INTELLIGENT LIFESAVER WITH SPEECH RECOGNITION POSITIONING FUNCTION	2021/10/21
2021/08120	PREPARATION METHOD OF COMPOUND BACTERIA FERMENTED PRODUCT FOR CONTROLLING PLANT PHYTOPHTHORA DISEASES, COMPOUND BACTERIA FERMENTED PRODUCT AND APPLICATION THEREOF	2021/10/21

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2021/08181	COMPUTER-BASED REMOTE MONITOR AND WARNING SYSTEM FOR CENTRAL AIR CONDITIONERS	2021/10/25
2021/08182	IRON ION PHOTOELECTRIC SENSOR WITH AN ITO SUBSTRATE AND PREPARATION METHOD THEREOF	2021/10/25
2021/08200	METHOD FOR ASSESSMENT OF SUSTAINABLE DEVELOPMENT OF NATURAL RESERVE	2021/10/25
2021/08230	AUTOMATIC BEAN CURD SKIN ROLL-PRESSING DEVICE AND ROLLING METHOD THEREOF	2021/10/26
2021/08231	MULTI-STAGE VIBRATORY SCREENING DEVICE SUITABLE FOR HEAVY METAL POLLUTION CONTROL	2021/10/26
2021/08232	FLEXIBLE TRANSPARENT DISPLAY SCREEN	2021/10/26
2021/08233	AUTOMATIC REFILL-RETRACTING NIB PROTECTION PEN	2021/10/26
2021/08234	A SPORTS TRAINING SYSTEM AND METHOD BASED ON VR TECHNOLOGY	2021/10/26
2021/08235	PREPARATION METHOD AND APPLICATION OF IRON-CONTAINING CARBON-BASED COMPOSITE MATERIAL BASED ON COAGULATION SLUDGE OF DYE CHEMICAL WASTEWATER	2021/10/26
2021/08236	MOLECULAR SIEVE CATALYST AND PREPARATION METHOD AND APPLICATION THEREOF	2021/10/26
2021/08237	DOUBLE-CHAMBER MEMBRANE CAPACITIVE DEIONIZATION DEVICE	2021/10/26
2021/08251	NUMERICAL SIMULATION METHOD FOR FOOTPRINT-GUIDED HIGH-EFFICIENCY AIRBORNE ELECTROMAGNETIC SURVEY	2021/10/26
2021/08280	PREPARATION METHOD OF “GUANXIMIYOU” POMELO PEEL PECTIN WITH ANTIOXIDANT CAPACITY, MODIFICATION AND APPLICATION	2021/10/27
2021/08281	TECHNIQUE FOR DETECTING GEOTHERMAL WATER ENRICHMENT AREA OF SANDSTONE GEOTHERMAL RESERVOIR	2021/10/27
2021/08282	QUICK-CURING FOAM FILLING EQUIPMENT FOR UNDERGROUND GOAF AND CONSTRUCTION METHOD THEREOF	2021/10/27
2021/08284	SPECTRUM TESTING DEVICE FOR FARMING AREA	2021/10/27
2021/08285	PREPARATION METHOD AND USE OF	2021/10/27

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	CARBODIPY CATIONIC DYE	
2021/08286	ROD-SHAPED MEMBRANE CAPACITIVE DEIONIZATION ARRAY	2021/10/27
2021/08289	ON-SITE EXTRACTION METHOD FOR NUCLEIC ACID IN ANIMAL TISSUES	2021/10/27
2021/08290	BIG DATA ANALYSIS SYSTEM	2021/10/27
2021/08291	RARE EARTH METAL AND ALLOY DISCHARGING DEVICE AND METHOD	2021/10/27
2021/08292	METHOD FOR ANALYZING SUGARCANE LIVING PLANT TYPE BASED ON PLANT 3D IMAGING	2021/10/27
2021/08311	LIGHT-SHIELDING GEL EYE PROTECTION PATCH	2021/10/27
2021/08353	A METHOD AND A SYSTEM FOR SIMULATING A SOLID ANGLE OF AN ACOUSTIC RAY IN AN ACOUSTIC FREE FIELD	2021/10/28
2021/08354	INTEGRATED MACHINE AND HEAT EXCHANGE SYSTEM	2021/10/28
2021/08355	METHOD FOR HARMLESS DISPOSAL OF CYANIDE TAILINGS BY SURFACE CRYSTALLIZATION PROCESS OF MICROCRYSTALLINE GLASS GRANULES	2021/10/28
2021/08357	POLYMERIC FILLER	2021/10/28
2021/08388	INDOOR CIRCULATING FEEDING DEVICE AND FEEDING METHOD OF MACROCHELES MUSCAEDOMESTICAE	2021/10/29
2021/08389	RESOURCE TREATMENT TECHNOLOGY OF PICKLING WASTE LIQUOR IN IRON AND STEEL INDUSTRY	2021/10/29
2021/08390	METHOD FOR OBTAINING HIGH-QUALITY SILKWORM COCOONS AND APPLICATION OF HIGH-QUALITY SILKWORM COCOONS	2021/10/29
2021/08392	AL ₂ O ₃ -CBN-BASED COMPOSITE CERAMIC CUTTER MATERIAL AND THE PREPARATION METHOD THEREOF	2021/10/29
2021/08393	METHOD FOR SIMULATING GEOTHERMAL TAILWATER REINJECTION AND TRACER TEST	2021/10/29
2021/08394	IDENTIFYING AND PROCESSING METHOD OF FLOWING WATER WEAK BROKEN SURROUNDING ROCK HIGH-PRESSURE GROUTING RHEOLOGICAL DATA	2021/10/29
2021/08395	DYNAMIC STABILITY MONITORING AND MEASURING METHOD FOR HIGH-OSMOTIC-PRESSURE GROUTING WATER PLUGGING CURTAIN	2021/10/29
2021/08396	MULTIFUNCTIONAL GRAPE PLANTING RACK	2021/10/29

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2021/08397	EVALUATION METHOD OF COW FEED INTAKE BASED ON BP NEURAL NETWORK OPTIMIZED BY GENETIC ALGORITHM	2021/10/29
2021/08398	RAPID SEPARATION AND CULTURE METHOD OF TUBER INDICUM COOKE ET MASSEE HYPHAE	2021/10/29
2021/08399	SURGICAL OPERATION DEMONSTRATION TRAINING SYSTEM	2021/10/29
2021/08412	METHOD FOR CALCULATING SEMANTIC RELATIVITY BY CONSIDERING RELATIONSHIP BETWEEN CONCEPTS	2021/10/29
2021/08417	EFFICIENT COMBINED COLLECTOR FOR MICRO-FINE RUTILE, AND PREPARATION METHOD AND USE THEREOF	2021/10/29
2021/08418	FLEXIBLE ANTENNA STRUCTURE AND ELECTRONIC DEVICE	2021/10/29
2021/08419	FLEXIBLE CO-AXIAL SENSOR ARRANGEMENT	2021/10/29
2021/08423	A METHOD FOR BIODIVERSITY ASSESSMENT AND BIOLOGICAL PROFILING OF THE PERENNIAL PLANT SPECIES ON THE BASIS OF FOREST PLOT	2021/10/29
2021/08551	METHOD FOR SIMULTANEOUSLY DETERMINING 18 TRACE ELEMENTS IN SULFUR THROUGH MICROWAVE DIGESTION-INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY	2021/11/02
2021/08552	AUTOMATIC SPEED-ADJUSTING DISCHARGING APPARATUS OF RED DATE PICKUP MACHINE BASED ON SINGLE CHIP MICROPROCESSOR	2021/11/02
2021/08604	PASTURE PROCESSING AND STORAGE SYSTEM FOR ANIMAL HUSBANDRY	2021/11/04
2021/08605	PRODUCTION METHOD OF ZINC-RICH FLAXSEEDS	2021/11/04
2021/08606	USE OF N6-(2-HYDROXYETHYL) ADENOSINE IN PREPARING DRUG FOR PREVENTING OR TREATING MYOCARDIAL ISCHEMIA-REPERFUSION INJURY	2021/11/04
2021/08614	SYNTHETIC FLUX FOR SINTERING OF CERAMIC BODY AND PREPARATION METHOD THEREOF	2021/11/04
2021/08615	HYDROGEL ELECTRODE DIAPHRAGM SUITABLE FOR USE AS MULTI-CHANNEL PHYSIOLOGICAL RECORD PROCESSING SYSTEM AND METHOD	2021/11/04

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2021/08616	METHOD AND SYSTEM FOR ELIMINATING RANDOM NOISE OF SEISMIC DATA	2021/11/04
2021/08617	MINE PRESSURE TRANSFER AND BEARING ROADWAY SUPPORT AND CONSTRUCTION METHOD	2021/11/04
2021/08618	MODIFIED MIXTURE DRY MIXING PROCESS BASED ON BUTON ROCK ASPHALT PREHEATING	2021/11/04
2021/08619	QUASI-ISOSTATIC PRESSING ELECTRODE SEALING MECHANISM AND USING METHOD THEREOF	2021/11/04
2021/08620	BOARD LATTICE FABRICATED YURT AND CONSTRUCTION METHOD THEREOF	2021/11/04
2021/08621	METHOD FOR PREPARING POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE AND POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE PREPARED USING SAME	2021/11/04
2021/08622	SYSTEM AND METHOD FOR REMOTE MONITORING OF LIVESTOCK HOUSE ENVIRONMENT BASED ON LORA WIRELESS WIDE AREA NETWORK TECHNOLOGY	2021/11/04
2021/08623	USE OF N6-(2-HYDROXYETHYL) ADENOSINE IN DRUG FOR TREATING HYPERTENSION	2021/11/04
2021/08624	A M-TYPE VENTILATION METHOD FOR GOB SIDE ENTRY RETAINING FACE IN GAS OUTBURST MINE	2021/11/04
2021/08633	SMALL HAND-GUIDED SELF-PROPELLED GARLIC PLANTER	2021/11/04
2021/08635	WHOLE-PROCESS PEANUT PRODUCTION LINE AND METHOD	2021/11/04
2021/08690	A CLASS OF FUNCTIONAL IONIC LIQUIDS WITH BOTH SURFACE ACTIVITY AND DOUBLE BASICITIES AND THEIR PREPARATIONS	2021/11/05
2021/08737	JUDGMENT METHOD AND SYSTEM FOR SIMILAR EVENTS	2021/11/08
2021/08738	METHOD, SYSTEM, MEDIUM AND ELECTRONIC EQUIPMENT FOR WEBPAGE MAIN TEXT ANALYSIS	2021/11/08
2021/08739	METHOD AND SYSTEM FOR INTELLIGENT EXTRACTION OF KEY CONTENT OF TEXT BASED ON TOPIC WORD OPTIMIZATION	2021/11/08
2021/08740	HIGH-REHYDRATION AND HIGH-SWELLING-PROPERTY BACTERIAL	2021/11/08

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	CELLULOSE HALF-DRY FILM AS WELL AS PREPARATION METHOD THEREFORE AND APPLICATION THEREOF	
2021/08741	LIQUID DRESSING, COMPOSITION FOR EXTERNAL USE ON SKIN AND PREPARATION METHOD AND APPLICATION THEREOF	2021/11/08
2021/08742	METHOD FOR RAPID FERMENTATION AND INDUSTRIALIZED PRODUCTION OF BACTERIAL CELLULOSE	2021/11/08
2021/08746	NON-CONTACT HEAT NOT BURN HEATING DEVICE	2021/11/04
2021/08857	METHOD FOR DETECTING QUIZALOPOP-P-ETHYL RESIDUAL QUANTITY IN VIGNA UMBELLATA	2021/11/10
2021/09082	INTELLIGENT MONITORING, PREVENTION AND CONTROL METHOD AND SYSTEM FOR ECOLOGICAL REGION	2021/11/15
2021/09083	MEANS TO MONITOR CLOSURE IN MINES	2021/11/15
2021/09262	CLOSING CAP FOR A CONTAINER AND RELATIVE PRODUCTION METHOD	2021/11/18
2021/09292	CAP FOR A CONTAINER	2021/11/19
2021/09310	SEMI-ACTIVE COORDINATION CONTROL METHOD FOR VIBRATION REDUCTION AND POWER GENERATION OF MAGNETORHEOLOGICAL ENERGY-REGENERATIVE SUSPENSION	2021/11/19

DESIGNS

Advertisement List for January 2022

Number of Advertised Designs: 226

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A2018/01429	FEEDERS	2018/09/14
A2018/01758	DRIP CHAMBERS AND SPIKE ASSEMBLIES FOR MEDICAL LINES	2018/11/15
A2018/01916	GLASSES	2018/12/14
A2018/01917	BOTTLES	2018/12/14
A2019/00288	CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER	2019/02/26
A2019/00290	LIGHT TROUGH AND DIFFUSER	2019/02/26

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A2019/00407	FOOD PROCESSORS	2019/03/28
A2019/00408	FOOD PROCESSORS	2019/03/28
A2019/00409	FOOD PROCESSORS	2019/03/28
A2019/00410	FOOD PROCESSORS	2019/03/28
A2019/00411	FOOD PROCESSORS	2019/03/28
A2019/00412	FOOD PROCESSORS	2019/03/28
A2019/00413	FOOD PROCESSORS	2019/03/28
A2019/00414	FOOD PROCESSORS	2019/03/28
A2019/00422	TYRES AND TYRE TREADS	2019/04/01
A2019/01339	SOLAR POWER POLE	2019/09/13
A2019/01340	WALL MOUNTED HANGING DEVICE	2019/09/13
A2019/01615	TIRE SIDEWALLS	2019/10/29
A2019/01625	CONDOM	2019/10/31
A2019/01806	PACKAGING	2019/12/13
A2019/01807	PACKAGING	2019/12/13
A2019/01808	PACKAGING	2019/12/13
A2019/01814	PACKAGING	2019/12/13
A2019/01815	PACKAGING	2019/12/13
A2019/01816	PACKAGING	2019/12/13
A2019/01817	PACKAGING	2019/12/13
A2019/01818	PACKAGING	2019/12/13
A2019/01819	PACKAGING	2019/12/13
A2020/00036	MOBILE PHONES	2020/01/15
A2020/00064	TOOTHBRUSHES	2020/01/22
A2020/00066	FAUCETS	2020/01/23
A2020/00103	BOTTLES	2020/01/30
A2020/00105	FILTRATION SYSTEM	2020/01/10
A2020/00203	SOLAR PANELS	2020/02/19
A2020/00204	SOLAR PANELS	2020/02/19
A2020/00205	SOLAR PANELS	2020/02/19
A2020/00206	SOLAR PANELS	2020/02/19
A2020/00207	SOLAR PANELS	2020/02/19
A2020/00224	TOILET CLEANING DEVICE AND HOLDER ASSEMBLY	2020/02/24
A2020/00271	ORAL IRRIGATORS	2020/02/28
A2020/00272	ORAL IRRIGATORS	2020/02/28
A2020/00273	ORAL IRRIGATORS	2020/02/28
A2020/00275	BOTTLES	2020/02/28
A2020/00276	BOTTLES	2020/02/28
A2020/00277	BOTTLES	2020/02/28
A2020/00280	MOTOR VEHICLES	2020/03/02
A2020/00281	MOTOR VEHICLES	2020/03/02
A2020/00282	MOTOR VEHICLES	2020/03/02
A2020/00289	BLOWERS	2020/03/04
A2020/00291	BATTERIES	2020/03/04
A2020/00292	BATTERIES	2020/03/04
A2020/00293	BATTERIES	2020/03/04
A2020/00295	BATTERIES	2020/03/04
A2020/00327	VACUUM CLEANERS	2020/03/10
A2020/00372	RAZORS	2020/03/18

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A2020/00405	COOLING UNITS	2020/03/24
A2020/00432	BOTTLE CLOSURE	2020/05/04
A2020/00459	COFFEE MAKERS	2020/05/04
A2020/00460	COFFEE MAKERS	2020/05/04
A2020/00951	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
A2020/00953	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
A2020/00955	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
A2020/00957	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
A2020/01069	CATALYTIC SAIL FOR A DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE	2020/07/31
A2020/01070	DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE	2020/07/31
A2020/01071	DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE	2020/07/31
A2020/01072	DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE	2020/07/31
A2020/01073	CATALYTIC SAIL DESIGN FOR A DRY HYDROGEN PEROXIDE (DHP) GENERATING DEVICE	2020/07/31
A2020/01080	GARMENTS	2020/08/07
A2020/01117	FACE MASKS	2020/08/17
A2020/01119	FACE MASKS	2020/08/17
A2020/01170	TOOTHBRUSHES	2020/08/31
A2020/01171	TOOTHBRUSHES	2020/08/31
A2020/01172	TOOTHBRUSHES	2020/08/31
A2020/01173	TOOTHBRUSHES	2020/08/31
A2020/01224	DOOR FOR A SIDE PANEL OF A VEHICLE CANOPY	2020/09/10
A2020/01395	A PLATE FOR A VEHICLE CANOPY	2020/10/23
A2020/01429	EGG CARTON	2020/11/05
A2020/01534	INSULATING MEMBER FOR AN INJECTOR	2020/11/26
A2020/01589	BOTTLES	2020/12/04
A2021/00009	CANOPY FOR A VEHICLE	2021/01/05
A2021/00031	FAUCET	2021/01/21
A2021/00096	TIRES	2021/02/05
A2021/00097	TIRES	2021/02/05
A2021/00116	Headphones	2021/02/12
A2021/00224	DISPLAYS	2021/03/03
A2021/00227	Handles for Carrying Bottles	2021/03/05
A2021/00232	Herb Pot	2021/03/05
A2021/00234	Meal Box	2021/03/05
A2021/00236	Spraying Head	2021/03/05
A2021/00237	Spraying Head	2021/03/05
A2021/00238	Spraying head	2021/03/05
A2021/00242	Bottle with Buffalo Shape	2021/03/08

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A2021/00243	Manual Carry Strap	2021/03/08
A2021/00245	Hiking Bag	2021/03/10
A2021/00246	Hiking Bag	2021/03/10
A2021/00248	Hiking Bag	2021/03/10
A2021/00249	Hiking Bag	2021/03/10
A2021/00251	Bottles	2021/03/11
A2021/00263	Lighting Device	2021/03/15
A2021/00266	PACKAGING	2021/03/17
A2021/00269	Razor Cartridge	2021/03/18
A2021/00270	Razor Handle	2021/03/18
A2021/00271	Razor Cartridge	2021/03/18
A2021/00277	Diagnostic Assay System	2021/03/19
A2021/00278	TABLES	2021/03/23
A2021/00280	BASIN MIXER	2021/03/23
A2021/00281	BASIN MIXER	2021/03/23
A2021/00282	BASIN MIXER	2021/03/23
A2021/00283	BASIN MIXER	2021/03/23
A2021/00287	HEAD STRAPS	2021/03/23
A2021/00288	HEAD STRAPS	2021/03/23
A2021/00293	NECK STRAPS	2021/03/23
A2021/00294	NECK STRAPS	2021/03/23
A2021/00295	RESPIRATORY APPARATUS	2021/03/23
A2021/00296	RESPIRATORY APPARATUS	2021/03/23
A2021/00299	GRAPHICAL USER INTERFACES	2021/03/24
A2021/00303	BATTERY MODULE	2021/03/25
A2021/00305	PUMP LINERS	2021/03/25
A2021/00313	A BURGER HOLDER BOX	2021/03/26
A2021/00314	PASTA	2021/03/26
A2021/00315	A Track Guide Assembly	2021/03/26
A2021/00319	Bottle	2021/03/29
A2021/00320	Bottle Cap	2021/03/29
A2021/00321	Bottle	2021/03/29
A2021/00330	COOKING DEVICE	2021/03/31
A2021/00331	COOKING DEVICE	2021/03/31
A2021/00337	DISPLAY STRUCTURES FOR A RETAIL ENVIRONMENT	2021/03/31
A2021/00339	DISPLAY STRUCTURES FOR A RETAIL ENVIRONMENT	2021/03/31
A2021/00340	DESK STRUCTURES FOR A RETAIL ENVIRONMENT	2021/03/31
A2021/00344	Bottle	2021/03/31
A2021/00345	Bottle	2021/03/31
A2021/00351	OPTICAL FIBRE HANDHOLES DEFINING ACCESS CHAMBERS	2021/04/01
A2021/00355	CAP HOLDERS FOR CONTAINERS	2021/04/08
A2021/00356	CAP HOLDERS FOR CONTAINERS	2021/04/08
A2021/00357	PHOTOPOLYMER PRINTING PLATES	2021/04/08
A2021/00378	Spraying Head	2021/04/13
A2021/00379	Spraying Head	2021/04/13
A2021/00381	Eyewear	2021/04/14

Application Number	Design Articles	Filing Date
A2021/00382	Eyewear	2021/04/14
A2021/00417	HANGER FOR LIGHT FIXTURE	2021/04/20
A2021/00418	HANGER FOR LIGHT FIXTURE	2021/04/20
A2021/00419	HANGER FOR LIGHT FIXTURE	2021/04/20
A2021/00420	LOW PROFILE LIGHT FIXTURE	2021/04/20
A2021/00426	SHOWER HEAD	2021/04/21
A2021/00431	FAUCET	2021/04/21
A2021/00443	TIRES	2021/04/26
A2021/00444	CHARGING STATIONS	2021/04/26
A2021/00451	TIRES	2021/04/28
A2021/00453	Mobile Vehicle Testing Stations	2021/04/28
A2021/00455	Mobile Vehicle Testing Stations	2021/04/28
A2021/00456	UNSHEATHED OR UNJACKETED TWISTED PAIR CABLES	2021/04/29
A2021/00491	BOTTLE	2021/05/12
A2021/00492	ROAD ENGINE	2021/05/12
A2021/00495	SWITCH ENGINE	2021/05/12
A2021/00537	KEYBOARD	2021/05/20
A2021/00540	EXTENSION POLE FOR GROUT TESTER	2021/05/20
A2021/00541	MOTOR SCOOTER	2021/05/20
A2021/00545	SPEARGUN HANDLE	2021/05/21
A2021/00551	GAME BOARD	2021/05/24
A2021/01105	Garments	2021/09/20
A2021/01109	Garments	2021/09/20
A2021/01111	Camouflage Surface Patterns	2021/09/20
A2021/01117	Camouflage Surface Patterns	2021/09/20
A2021/01119	Garments	2021/09/20
A2021/01121	Camouflage Surface Patterns	2021/09/20
F2019/00289	CEILING TRANSITION CHANNEL AND LIGHT DIFFUSER	2019/02/26
F2019/00291	LIGHT TROUGH AND DIFFUSER	2019/02/26
F2019/01492	INVALID CHAIR	2019/10/08
F2019/01492	INVALID CHAIR	2019/10/08
F2020/00067	FAUCETS	2020/01/23
F2020/00595	INTERACTIVE TRAILER	2020/05/14
F2020/00808	GARMENTS	2020/06/11
F2020/00952	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
F2020/00954	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
F2020/00956	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
F2020/00958	MULTIFUNCTIONAL WALL SOCKETS	2020/07/09
F2020/01048	CABLE GLANDS	2020/07/31
F2020/01099	PACKAGING BOX	2020/08/12
F2020/01118	FACE MASKS	2020/08/17
F2020/01120	FACE MASKS	2020/08/17
F2020/01176	DATE AND/OR TIME INDICATOR	2020/09/02
F2020/01396	A PLATE FOR A VEHICLE CANOPY	2020/10/23

Application Number	Design Articles	Filing Date
F2020/01419	SPRAY NOZZLES	2020/11/03
F2020/01533	INSULATING MEMBER FOR AN INJECTOR	2020/11/26
F2020/01640	BUSHING (14)	2020/12/17
F2020/01643	BUSHING (16)	2020/12/17
F2021/00020	HOOK ASSEMBLIES	2021/01/14
F2021/00108	EXERCISE APPARATUS	2021/02/09
F2021/00144	PORTABLE WATER RESERVOIR	2021/02/16
F2021/00155	SHOT IMPACT INDICATOR	2021/02/16
F2021/00193	ELECTRICAL CONNECTOR	2021/03/02
F2021/00194	ELECTRICAL CONNECTOR	2021/03/03
F2021/00196	ELECTRICAL CONNECTOR	2021/03/03
F2021/00233	Blank for a Herb Pot	2021/03/05
F2021/00235	Blank for a Meal Box	2021/03/05
F2021/00239	BEAD COMPONENT PROFILE	2021/03/05
F2021/00240	BRACKET HOUSING	2021/03/05
F2021/00279	TABLES	2021/03/23
F2021/00332	COOKING DEVICE	2021/03/31
F2021/00333	COOKING DEVICE	2021/03/31
F2021/00334	STOPPER TOOL	2021/03/31
F2021/00350	TROLLEY CHASSIS	2021/03/31
F2021/00358	PHOTOPOLYMER PRINTING PLATES	2021/04/08
F2021/00370	FLOATING CHEMICAL DISPENSING CONTAINERS	2021/04/09
F2021/00371	FLOATING CHEMICAL DISPENSING CONTAINERS	2021/04/09
F2021/00372	FLOATING CHEMICAL DISPENSING CONTAINERS	2021/04/09
F2021/00377	STACKABLE WATER TANK	2021/04/13
F2021/00422	STEAM BREAD PAN	2021/04/21
F2021/00429	CONTAINER FORMING MACHINE	2021/04/21
F2021/00445	CHARGING STATIONS	2021/04/26
F2021/00452	Mobile Vehicle Testing Stations	2021/04/28
F2021/00454	Mobile Vehicle Testing Stations	2021/04/28
F2021/00460	DRAIN STRAINERS	2021/04/29
F2021/00473	NAIL SHAVING DEVICE	2021/05/04
F2021/00488	SPARE WHEEL CARRIER	2021/05/11
F2021/00489	SPARE WHEEL CARRIER	2021/05/11
F2021/00536	KEYBOARD	2021/05/20
F2021/00539	EXTENSION POLE FOR GROUT TESTER	2021/05/20
F2021/00554	GAME BOARD	2021/05/24
F2021/01106	Garments	2021/09/20
F2021/01110	Garments	2021/09/20
F2021/01112	Camouflage Surface Patterns	2021/09/20
F2021/01118	Camouflage Surface Patterns	2021/09/20
F2021/01120	Garments	2021/09/20
F2021/01122	Camouflage Surface Patterns	2021/09/20

OTHER OFFICE PRACTISE NOTICE

**NOTICE TO CUSTOMERS****COMPANIES AND INTELLECTUAL PROPERTY COMMISSION (CIPC)****Cut-Off Dates 2022****(For XML and Online Submissions Only)**

Month	Opening dates	Cut-off dates	Journal Publication Dates
January	03-January-2022	17-January-2022	26-January-2022
February	27-January-2022	14-February-2022	23-February-2022
March	24-February-2022	22-March-2022	30-March-2022
April	31-March-2022	19-April-2022	28-April-2022
May	29-April-2022	16-May-2022	25-May-2022
June	26-May-2022	20-June-2022	29-June-2022
July	30-June-2022	18-July-2022	27-July-2022
August	28-July-2022	22-August-2022	31-August-2022
September	01-September-2022	19-September-2022	28-September-2022
October	29-September-2022	17-October 2022	26-October-2022
November	27-October-2022	21-November-2022	30-November-2022
December	01-December-2022	12-December-2022	21-December-2022
January	02-January-2023	16-January-2023	25-January-2023

Please note that these dates only apply to XML submissions and online PDF forms.

These dates can be changed by CIPC without a notice.

Yours Faithfully

SMNyatlo

Dr Mavis Nyatlo
Divisional Manager: Innovation Support and Protection
Division: Innovation and Creativity (CIPC)

11/01/2022