

# PATENT JOURNAL

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JANUARY 2023

VOL 56 • No. 01



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## Part II of II

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ISSUED MONTHLY

DATE OF ISSUE: 25 JANUARY 2023

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ISSN 2223-4837

# PATENT JOURNAL

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**VOL. 56 No. 01**

**Date of Issue: 25 JANUARY 2023**

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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 2022/12/19 -

2022/13654 ~ Complete ~54:APPLICATION OF 5-HYDROXYTRYPTOPHAN IN PREPARING HEALTH PRODUCTS OR MEDICINES FOR IMPROVING FEMALE PHYSIOLOGICAL CYCLE DISORDER CAUSED BY HIGH ALTITUDE HYPOXIA ~71:Instiute of Environmental and Operational Medicine, Academy of Military Medical Science, Academy of Military Science, No. 1 Dali Road, Heping District, Tianjin, People's Republic of China ~72: AI Chongyi;CHEN Zhaoli;LI Ran;LIU Weili;PU Lingling;WANG Tianhui;WANG Xinxing;WANG Zirou;XU Hongbao~

2022/13656 ~ Complete ~54:CHEST MODEL USED FOR THE PERCUTANEOUS PULMONARY NODULES PUNCTURE UNDER THE GUIDANCE OF CT IMAGING ~71:Chen Mailin, No.52 Fucheng Road, Hadian District, Beijing, People's Republic of China ~72: Chen Mailin~

2022/13667 ~ Complete ~54:A SPECIAL CULTURE MEDIUM FOR ISOLATING PHYTOPHTHORA SOJAE ~71:NORTHEAST AGRICULTURAL UNIVERSITY, No. 600 Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, 150030, People's Republic of China ~72: FANG, Xin;HE, Shengfu;LIU, Shanshan;SONG, Bo;SUN, Yan;WU, Junjiang;XU, Pengfei;ZHANG, Shuzhen;ZHAO, Ming~

2022/13670 ~ Complete ~54:DATA LOGGER FOR SMART INDUSTRIES ~71:AWALE, Rohan Rajesh, MADHUBAN SOCIETY, LEN NO 7, HOUSE NO. 11, OLD SANGAVI, PUNE, MAHARASHTRA, 411027, India;MESHRAM, Pranav Kumar, 110, DORGESH VIHAR, J. K. ROAD, BHOPAL, MADHYA PRADESH, 462041, India;RAJUSKAR, Tejas Rajendra, MADHUBAN SOCIETY, LEN NO 7, HOUSE NO. 11, OLD SANGAVI, PUNE, MAHARASHTRA, 411027, India;SAKHARKAR, Asawari Kishor, 1131, PRAGATI GHARKUL, ASHIRWAD NAGAR, NEAR BESA POWER HOUSE, NAGPUR, MAHARASHTRA, 440024, India;TAMBE, Pushpa Sambhaji, BUNGALOW NO.23, AMAR HOUSING SOCIETY, SARPANCHWASTI, GOPALWADI ROAD, DAUND, MAHARASHTRA, 413801, India;WANKHADE, Anushka Anil, &quot;VISHWASUMAN&quot;, PLOT NO. 32A, SHRIHARI NAGAR NO.2, ARJUN, NAGAR, AMRAVATI, MAHARASHTRA, 444603, India ~72: AWALE, Rohan Rajesh;MESHRAM, Pranav Kumar;RAJUSKAR, Tejas Rajendra;SAKHARKAR, Asawari Kishor;TAMBE, Pushpa Sambhaji;WANKHADE, Anushka Anil~

2022/13672 ~ Complete ~54:A MOLECULAR MARKER AND APPLICATION METHOD FOR ASSISTED BREEDING OF FINE-WOOL SHEEP ~71:CHINA JILIANG UNIVERSITY, No. 258 Xueyuan Street, Xiasha Higher Education Region, Hangzhou, Zhejiang Province, 310018, People's Republic of China;XINJIANG ACADEMY OF AGRICULTURAL RECLAMATION SCIENCES, Institute of Animal Husbandry, Xinjiang Academy of Agricultural Reclamation Sciences, No. 221 Wuyi Highway, Shihezi City, Xinjiang Uygur Autonomous Region, 832099, People's Republic of China ~72: DAI, Rong;GUAN, Feng;HU, Xinyu;LIU, Yucheng;SHI, Guoqing;WAN, Pengcheng;YANG, Yang;YAO, Yian~

2022/13712 ~ Complete ~54:CHIMERIC ADENOVIRAL VECTORS ~71:VAXART, INC., 170 Harbor Way, STE300 South San Francisco, California 94080, United States of America ~72: EMERY DORA;SEAN TUCKER~

33:US ~31:63/035,490 ~32:05/06/2020;33:US ~31:63/045,710 ~32:29/06/2020;33:US ~31:63/074,954  
~32:04/09/2020;33:US ~31:63/144,339 ~32:01/02/2021

2022/13637 ~ Complete ~54:AN ENVIRONMENTAL PROTECTION TREATMENT METHOD FOR DEPHOSPHORIZING STEEL SLAG FROM INDUSTRIAL WASTE ~71:Xiajiang (Ulanqab) Environmental Protection Technology Co., Ltd, Quannao Village, Pingdiquan Town, Chahar Right Front Banner, Ulanqab, People's Republic of China ~72: Jia Shaowei;Lu Mengliang;Wang Yapeng~ 33:CN ~31:202210771096.6 ~32:30/06/2022

2022/13642 ~ Complete ~54:A DOUBLE-CARBON INTELLIGENT PLATFORM BASED ON ELECTRIC POWER BIG DATA ~71:Gansu Tongxing Intelligent Technology Development Co., Ltd., No. 575, Zhangsu Tan Community, Chengguan District, Lanzhou City, Gansu Province, 730030, People's Republic of China ~72: Baojing Chen;Gang Liu;Gang Shi;Hui Shao;Jian Sun;Jianfeng Han;Kai Guo;Qingsu He;Rui Feng;Ting Wang;Xiaomei Wang;Xiaoxia Huo;Xing Guo;Xu Zhang;Yalu Sun;Yuan Zhang;Yue Guo;Zhen Li~

2022/13665 ~ Complete ~54:METHOD FOR REALIZING MULTI-SOURCE DATA LINK PROCESSING BASED ON THE BAYESIAN PROBABILITY MODEL ~71:SHANGHAI MUNICIPAL CENTER FOR DISEASE CONTROL AND PREVENTION, No. 1380, Zhongshan West Road, Changning District, Shanghai, 200336, People's Republic of China ~72: CAI, Renzhi;CHEN, Guowu;CUI, Xin;LIANG, Zhou;QIAN, Naisi;WANG, Chunfang;YU, Huiting;ZANG, Jiajie~

2022/13693 ~ Complete ~54:BREMIA LACTUCAE RESISTANCE SG01 ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DE LANGE, Michel;LOKOSSOU, Anoma Akuvi~ 33:EP ~31:20184325.7 ~32:06/07/2020

2022/13697 ~ Complete ~54:A HANDLING DEVICE FOR HANDLING EXPENDABLES FOR A DRILL RIG ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEG 8740, AUSTRIA, Austria ~72: GALLER, Thomas;REUM&#220;LLER, Bruno~

2022/13701 ~ Complete ~54:BISPECIFIC ANTIBODY-DRUG CONJUGATES TARGETING EGFR AND MUC1 AND USES THEREOF ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: AMENDT, Christiane;DOERNER, Achim;HENNINGSEN, Robert;KNUEHL, Christine;LI, Xiaofan;STAFFORD, Ryan;TOLEIKIS, Lars;YAM, Alice;ZHOU, Sihong~ 33:US ~31:63/034,296 ~32:03/06/2020

2022/13702 ~ Complete ~54:COMBINATION THERAPY WITH DEOXYURIDINE TRIPHOSPHATASE INHIBITORS ~71:CV6 Therapeutics (NI) Limited, Murray House, 4 Murray Street, BELFAST BT1 6DN, UNITED KINGDOM, United Kingdom ~72: LADNER, Robert D.;MULLIGAN, Karl Andrew;WILSON, Melissa J. LaBonte;WILSON, Peter Michael~ 33:US ~31:63/044,926 ~32:26/06/2020

2022/13705 ~ Complete ~54:CYTOKINE CONJUGATES ~71:Amunix Pharmaceuticals, Inc., 2 Tower Place, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: CHAUHAN, Vibha;HENKENSIEFKEN, Angela;IRVING, Bryan;JOHANSEN, Eric;SCHELLENBERGER, Volker;YEUNG, Valentine;YOUNG, Tracy~ 33:US ~31:63/044,335 ~32:25/06/2020;33:US ~31:63/197,875 ~32:07/06/2021;33:US ~31:63/197,944 ~32:07/06/2021

2022/13706 ~ Complete ~54:POLY(AMINE-CO-ESTER) POLYMERS WITH MODIFIED END GROUPS AND ENHANCED PULMONARY DELIVERY ~71:Yale University, Two Whitney Avenue, NEW HAVEN 06510, CT, USA, United States of America ~72: GRUN, Molly;JIANG, Yuhang;SALTZMAN, W. Mark;SUBERI, Alexandra~ 33:US ~31:63/041,739 ~32:19/06/2020

2022/13708 ~ Complete ~54:1-[1-(4-BENZYLOXY-3,5-DIFLUORO-BENZOYL)-4-FLUORO-PYRROLIDINE-2-CARBONYL]-PYRROLIDINE-2-CARBONITRILE ~71:ACCURE THERAPEUTICS, S.L., Baldiri Reixac, 4-8, Torres I, 5&#170; Planta, E-08028, Barcelona, Spain ~72: ROGER PRADES COSANO;TERESA TARRAG&#211; CLUA~ 33:EP ~31:20382606.0 ~32:07/07/2020

2022/13713 ~ Complete ~54:METHODS FOR THE TRANSMISSION OF DATA BETWEEN A RESOURCE-CONSTRAINED DEVICE AND A NON-GEOSTATIONARY SATELLITE AND ASSOCIATED SYSTEM ~71:EUTELSAT S A, 70 Rue Balard, 75015, France ~72: ANTONIN HIRSCH;FLORIAN COLLARD;GEOFFROY BRICHLER~

2022/13660 ~ Complete ~54:FERTILIZER AGAINST BACTERIAL WILT IN PEPPERS AND PREPARATION METHOD THEREOF ~71:Guizhou Mingxiang Tea Technology Development Co., Ltd., No. 705, Innovation Building, Academy of Agricultural Sciences, Huaxi District, Guiyang City, Guizhou Province, 550027, People's Republic of China ~72: LEI, Zhiwei;LI, Chuangchuang;LU, Xiaona;LV, Chao;LV, Jun;WANG, Yong;YANG, Yu;YU, Lu;ZHANG, Sitao;ZHOU, Xue~

2022/13666 ~ Complete ~54:A METHOD OF PREPARING A COLON TUMOR-LIKE ORGAN ~71:Chongqing University Cancer Hospital, No. 181, Hanyu Road, Shapingba, Chongqing,400030, People's Republic of China ~72: Guo Bianqing;Wang Hui~

2022/13674 ~ Complete ~54:SYSTEM FOR IMPACT ANALYSIS OF SOCIAL MEDIA ON INVESTMENT DECISION MAKING OF RETAIL INVESTORS ~71:AMNAS, Muhammed Basid, Ph.D. Research Scholar in Commerce Inter- disciplinary in Management, Bharathidasan University, Tiruchirappalli, India;DHANASEKAR, Dhamotharan, Ph.D. Research Scholar in Management, Bharathidasan University, Tiruchirappalli, India;JAYAPAL, Gayathri, Associate Professor Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli, India;RAJA, Mariappan, Assistant Professor in Commerce Department of Commerce, Government Arts and Science College, Kumulur, Lalgud, India;SANTHOSHKUMAR, Sakthivel, Ph.D. Research Scholar in Commerce Inter- disciplinary in Management, Bharathidasan University, Tiruchirappalli, India;SELVAM, Murugesan, Professor and Head Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli, India ~72: AMNAS, Muhammed Basid;DHANASEKAR, Dhamotharan;JAYAPAL, Gayathri;RAJA, Mariappan;SANTHOSHKUMAR, Sakthivel;SELVAM, Murugesan~

2022/13684 ~ Complete ~54:SUBJECT SPECIMEN TOOL FOR VIRUS TESTING ~71:Yong Nam PARK, 201-ho, 437-6, Hakdong-ro, Gangnam-gu, Republic of Korea ~72: PARK, Yong Nam~ 33:KR ~31:10-2020-0059759 ~32:19/05/2020

2022/13689 ~ Complete ~54:PROCESS OF PREPARING BUTYL-(5S)-5-({2-[4-(BUTOXYCARBONYL)PHENYL]ETHYL}[2-(2-{{3-CHLORO-4'-(TRIFLUOROMETHYL)[BIPHENYL]-4-YL]METHOXY}PHENYL)ETHYL]AMINO)-5,6,7,8-TETRAHYDROQUINOLINE-2-CARBOXYLATE ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany;Bayer Pharma Aktiengesellschaft, M&#252;llerstr. 178, BERLIN 13353, GERMANY, Germany ~72: BREMEYER, Nadine;EGGER, Julian;FEY, Peter;NOWAKOWSKI, Marc~ 33:EP ~31:20175721.8 ~32:20/05/2020

2022/13625 ~ Provisional ~54:ZYTEC RETAIL REWARDS CHECKOUT SYSTEM ~71:Kennett Technical Services cc, Unit 66, Hazy Ridge, 9 Swallow Lane, South Africa ~72: Barrie Charles Kennett~

2022/13682 ~ Complete ~54:COMPOSITIONS HAVING NEUROREGENERATIVE APPLICATIONS ~71:GRIFOLS WORLDWIDE OPERATIONS LIMITED, Grange Castle Business Park, Ireland ~72: BARNETT, Thomas;ROSS, David A.~ 33:US ~31:63/049,486 ~32:08/07/2020

2022/13698 ~ Complete ~54:DIAGNOSIS, PREVENTION AND TREATMENT OF CORONAVIRUS INFECTION ~71:Emergex Vaccines Holding Limited, 4/5 Dunmore Court, Wootton Road, ABINGDON OX13 6BH, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: PERRINS, Richard;RADEMACHER, Laurens;RADEMACHER, Thomas~ 33:GB ~31:2008250.9 ~32:02/06/2020

2022/13623 ~ Provisional ~54:NOZZLE AND MULTI TOOL ~71:William Andrew Alexander, 1 carrington road, klisser, South Africa ~72: William Andrew Alexander~

2022/13627 ~ Provisional ~54:THE ARK OF PARABOLICS SHIP ISLAND (HYDROGEN) ~71:JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

2022/13629 ~ Complete ~54:A QUANTITATIVE WEIGHING AND RAPID LOADING DEVICE AND METHOD FOR WASTE ROCKS ~71:Liaoning Technical University, No. 47 Zhonghua Road, Fuxin City, Liaoning Province, 123000, People's Republic of China ~72: Jinnan LU;Miao XIE;Yunze JIANG;Zhenzhi DING;Zhixiang LIU~

2022/13633 ~ Complete ~54:METHOD FOR MONITORING AND CONTROLLING ELEVATION OF BOTTOM PLANE OF BOREHOLE ~71:BGRIMM Explosives And Blasting Technology Co., Ltd., Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China;BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China ~72: DUAN, Yun;LIU, Feng;WU, Chaoyang~

2022/13646 ~ Complete ~54:INTELLIGENT CONTROL FULL-AUTOMATIC MULTIPURPOSE MACHINE FOR CULTURE FEEDING ~71:Sericultural Research Institute of Sichuan Academy of Agricultural Sciences, No.97, Hezhong Street, Shunqing District, Nanchong City, Sichuan Province, People's Republic of China;Shangzhi Agricultural Machinery Equipment Limited Company (NTCO.LTD) of Nanchong, Sichuan, No.523, Yingkang South Road, Yingxi Street, Shunqing District, Nanchong City, Sichuan Province, People's Republic of China;Sichuan Jieneng Drying Equipment Co., Ltd., No.1902, Floor 19, Unit 1, Building 1, No.401, Sheng'an Street, Hi tech District, Chengdu City, Sichuan Province, People's Republic of China ~72: CAO Qingming;HE Guangzan;HU Guangrong;HU Junhua;SHEN Yan;SHI Hongkang;WU Jianmei;WU Jinxuan;XIE Ying;YE Jingjing;ZHANG Youhong~

2022/13659 ~ Complete ~54:SPECIAL FERTILIZER FOR PEPPERS AND PREPARATION METHOD THEREOF ~71:Guizhou Wulian Fertilizer Co., Ltd., Tiancheng Town, Meitan County, Zunyi, Guizhou Province, 564102, People's Republic of China ~72: LEI, Zhiwei;LI, Chuangchuang;LU, Xiaona;LV, Chao;LV, Jun;WANG, Yong;YANG, Yu;YU, Lu;ZHANG, Sitao~

2022/13671 ~ Complete ~54:A DEFECT DETECTION METHOD OF BLOOD LANCET BASED ON A CLASSIFICATION NETWORK ~71:TIANJIN SINO-GERMAN UNIVERSITY OF APPLIED SCIENCES, No. 2 Yashen Road, Haihe Education Park, Jinnan District, Tianjin, 300350, People's Republic of China ~72: DONG, Zhehao;FAN, Qiming;GAO, Huimin;LI, Yufei;LIU, Chunping;MA, Xiaoming;SUN, Peng;WAN, Jun;ZHANG, Zhili;ZHANG, Zhiqiang;ZHAO, Xiangbin~

2022/13676 ~ Complete ~54:A WELDED-SEAM ANGULAR DISTORTION DIGITAL DISPLAY MEASURING RULER ~71:Anhui Technical College Of Mechanical and Electrical Engineering, No.16 Wenjin West Road, Yijiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Dewei Wang;Junjie Wu;Kai Xu;Shaojun Yang;Xiang Li;Yansong Tan~

2022/13680 ~ Complete ~54:INITIAL AND FINAL METHODS FOR LAYING LONG RAILS ~71:MATISA MATERIEL INDUSTRIEL SA, Boulevard de l-Arc-en-Ciel 25, 1023, Crissier, Switzerland ~72: MUNDT, Alain;PILET, Jacques;PILLER, Marco;SAVOYAT, Marc-Antoine;STUPAR, Milan~ 33:FR ~31:2007221 ~32:08/07/2020



2022/13685 ~ Complete ~54:METHOD AND DEVICE FOR REMOVING A CHEMICAL SUBSTANCE FROM HUMAN EXCRETA ~71:BEAM-IP B.V., Claudiuslaan 33, Netherlands ~72: HOL, Alex~ 33:NL ~31:2025874 ~32:19/06/2020

2022/13690 ~ Complete ~54:FOAMING CREAMER ~71:Soci&#233;t&#233; des Produits Nestl&#233; S.A., Avenue Nestl&#233; 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: ALDAPE FARIAS, Guadalupe Del Carmen;D&#39;ORIA, Gabriele;GUNES, Zeynel Deniz;SAHAI, Deepak;ZHENG, Ying~ 33:US ~31:63/029,895 ~32:26/05/2020;33:EP ~31:20190967.8 ~32:13/08/2020

2022/13628 ~ Provisional ~54:VEHICLE STEERING COLUMN WITH VERSATILE CONTROL STALK CONFIGURATONS ~71:ANELLI, Ottaviano Marcello Enrico Guido, 21 Marabou Crescent, Hageland Estate, South Africa ~72: ANELLI, Ottaviano Marcello Enrico Guido~

2022/13630 ~ Complete ~54:A REFERENCE CURRENT SOURCE IC ~71:Shenzhen Juxin Image Co., Ltd, No. 1, Huafeng Hi tech Park, Dongfang Community, Songgang Street, Bao&#39;an District, Shenzhen, People's Republic of China ~72: Li Ruifang;Li Shuaibing;Meng Qian~ 33:CN ~31:202210653613.X ~32:09/06/2022

2022/13692 ~ Complete ~54:ANTIMONY TRIOXIDE FREE FLAME RETARDANT POLYMER COMPOSITION ~71:LANXESS Corporation, 111 RIDC Park West Drive, PITTSBURGH 15275, PA, USA, United States of America ~72: ENDTNER, Jochen;HE, Qingliang~ 33:US ~31:63/040,486 ~32:17/06/2020

2022/13696 ~ Complete ~54:IMMUNOGENIC COMPOSITIONS AND USES THEREOF ~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, 8th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: DE BOER, Alexandra Sophie;ECHELARD, Yann Paul Guy R&#233;gis;KAHVEJIAN, Avak;NELSON, Jennifer A.;PLUGIS, Nicholas McCartney;WEINSTEIN, Erica Gabrielle~ 33:US ~31:63/027,932 ~32:20/05/2020;33:US ~31:63/034,704 ~32:04/06/2020;33:US ~31:63/068,936 ~32:21/08/2020;33:US ~31:63/074,428 ~32:03/09/2020;33:US ~31:63/074,442 ~32:03/09/2020;33:US ~31:63/125,769 ~32:15/12/2020;33:US ~31:63/125,778 ~32:15/12/2020

2022/13677 ~ Complete ~54:WASTE-COMPACTING CONTAINER WITH DISINFECTION SYSTEM ~71:DUE&#209;AS SANCHEZ, Silverio, CRISTO DE MEDINACELI, 6-5&#186;C 18002, GRANADA, Spain ~72: DUE&#209;AS SANCHEZ, Silverio~ 33:ES ~31:P202030475 ~32:22/05/2020

2022/13678 ~ Complete ~54:MOBILE CONTINUOUS MIXING APPARATUS BACKGROUND OF THE INVENTION ~71:CHAVEZ, Tirso, 39 Plymouth St., United States of America ~72: CHAVEZ, Tirso~ 33:US ~31:63/038,180 ~32:12/06/2020

2022/13683 ~ Complete ~54:IMPROVEMENT EMBEDDED IN AGRICULTURAL EQUIPMENT ~71:AGROTRITUS LOCACAO E COMERCIO EIRELI, Avenida Sete de Setembro, 4995 - Loja 1, Brazil ~72: RIBEIRO, Manuel~ 33:BR ~31:BR202020011537-0 ~32:09/06/2020

2022/13687 ~ Complete ~54:USE OF HPK1 KINASE INHIBITOR IN PREVENTING AND/OR TREATING PATHOGEN INFECTION IN ANIMALS ~71:ZHUHAI YUFAN BIOTECHNOLOGIES CO., LTD, Office No.2819, No.3000 Huandao East Road, Hengqin, New District, People's Republic of China ~72: LIN, Xingyu;LU, Tingting~ 33:CN ~31:202010546816.X ~32:16/06/2020

2022/13661 ~ Complete ~54:VIRAL VECTORS ENCODING RECOMBINANT FVIII VARIANTS WITH INCREASED EXPRESSION FOR GENE THERAPY OF HEMOPHILIA A ~71:Takeda Pharmaceutical Company Limited, 1-1, Doshomachi 4-chome, Chuo-ku, OSAKA-SHI 541-0045, OSAKA, JAPAN, Japan ~72: FALKNER, Falko-G&#252;nter;HORLING, Franziska;LEGLER, Johannes;ROTTENSTEINER, Hanspeter;SCHEIFLINGER, Friedrich~ 33:US ~31:62/255,317 ~32:13/11/2015

2022/13710 ~ Complete ~54:ANTI-SARS-COV-2 INFECTION PROTEIN AND VACCINE ~71:WESTVAC BIOPHARMA CO., LTD., No. 618 Fenghuang Road, Chengdu Tianfu International Bio-Town, Shuangliu District Chengdu, Sichuan 610000, People's Republic of China ~72: GUANGWEN LU;GUOBO SHEN;JINGYUN YANG;JINLIANG YANG;JIONG LI;LI YANG;WEI WANG;XIAWEI WEI;YUQUAN WEI;ZHENLING WANG;ZHIWEI ZHAO~ 33:CN ~31:202010113054.4 ~32:24/02/2020

2022/13632 ~ Complete ~54:A HIGH-EFFICIENCY HULLING DEVICE FOR WOOD OF SHINYLEAF YELLOWHORN ~71:Academy of Water Resource Conservation forests of Qilian Mountains in Gansu Province, No.3, East Ring Road, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China ~72: Ming ZHAO;Yilin WANG;Yuxin MIAO~

2022/13636 ~ Complete ~54:SWEET POTATO STORAGE METHOD AND SWEET POTATO STORAGE DEVICE ~71:Zhejiang A and F University, No. 666, Wusu Street, Lin'an District, Hangzhou City, Zhejiang Province, 311300, People's Republic of China ~72: CHENG, Jiyu;CHENG, Junfeng;GUAN, Yuge;LU, Guoquan;LU, Xinghua;PANG, Linjiang;YIN, Liqing~

2022/13640 ~ Complete ~54:DOCTOR-PATIENT COMMUNICATION ASSISTANT PLATFORM AND INTERACTIVE METHOD THEREOF ~71:GUIZHOU UNIVERSITY, No. 1 Huaxi Avenue, Huaxi District, Guiyang City, Guizhou Province, People's Republic of China ~72: LIN Li;YANG Mingqing~

2022/13643 ~ Complete ~54:A SCHOOL NETWORK MANAGEMENT AND CONTROL SYSTEM AND A NETWORK MANAGEMENT CONTROLLER ~71:Wenzhou Medical University, Wenzhou Medical University, Higher Education Park, Chashan Town, Ouhai District, Wenzhou City, Zhejiang Province, 325035, People's Republic of China ~72: Hongbo Li;Jing Zhuge;Wenbiao Pan~ 33:CN ~31:202210203118.9 ~32:03/03/2022

2022/13648 ~ Complete ~54:EXTRACTION AND PURIFICATION METHOD OF CODONOPSIS PILOSULA POLYSACCHARIDE ~71:Inner Mongolia Agricultural University, No. 29, Ordos East Street, Saihan District, Hohhot city, Inner Mongolia Autonomous Region, People's Republic of China ~72: Chao Zhang;Lirong Jing;Ying Yang;Zhenzhen Gao~

2022/13657 ~ Complete ~54:CHINESE HERBAL MEDICINE DOSING DEVICE FOR BURN WOUNDS AND MEDICINE COMPOSITION ~71:Maoming People's Hospital, No. 101, Weimin Road, Maoming, Guangdong, 525099, People's Republic of China ~72: CHEN, Xiaowen;DONG, Yongsheng;HUANG, Jinbo;HUANG, Sumei;HUANG, Wendong;WANG, Guangwen;WU, Xiaoli;ZHANG, Shuyuan;ZHU, Guangye~

2022/13668 ~ Complete ~54:PROBIOTIC COMPOSITION FOR ATHLETES AND METHOD FOR PREPARATION THEREOF ~71:AMIT PAL, Assistant Professor, UITTR, Chandigarh University, Punjab, India;Aakash Dhiman, Assistant Professor, UITTR, Chandigarh University, Punjab, India;Ali Aloui, High Institute of Sport and Physical Education of Ksar-Saïd, Manouba University, Tunis, Tunisia;Baaziz Mohamed, High Institute of Sport and Physical Education, Ksar-Saïd, Manouba University, Tunis, Tunisia;Dr. Muzaaheed, Assistant Professor, Department of Clinical Laboratory Science, Imam Abdulrahman Bin Faisal University, Saudi Arabia;Dr.Abderraouf Ben Abderrahman, Full Professor, High Institute of Sport and Physical Education of Ksar-Saïd, Manouba University, Tunis, Tunisia;Mahdi Aissaoui, High Institute of Sport and Physical Education, Ksar-Saïd, Manouba University, Tunis, Tunisia;Yogesh Joshi, Physical Education Teacher, Directorate of Education GNCT Delhi, GBSSS BINDAPUR, Delhi, India ~72: AMIT PAL;Aakash Dhiman;Ali Aloui;Baaziz Mohamed;Dr. Muzaaheed;Dr.Abderraouf Ben Abderrahman;Mahdi Aissaoui;Yogesh Joshi~

2022/13691 ~ Complete ~54:FLAME RETARDANT AND STABILIZER COMBINED FOR USE WITH THERMOPLASTICS ~71:LANXESS Corporation, 111 RIDC Park West Drive, PITTSBURGH 15275, PA, USA, United States of America ~72: HE, Qingliang~ 33:US ~31:63/040,489 ~32:17/06/2020

2022/13700 ~ Complete ~54:JOINING ASSEMBLY ~71:Gripple Limited, The Old West Gun Works, Savile Street East, SHEFFIELD S4 7UQ, SOUTH YORKSHIRE, UNITED KINGDOM, United Kingdom ~72: HUDSON, James;REYNOLDS, Thomas~ 33:GB ~31:2010059.0 ~32:01/07/2020;33:GB ~31:2108872.9 ~32:21/06/2021

2022/13711 ~ Complete ~54:BRM TARGETING COMPOUNDS AND ASSOCIATED METHODS OF USE ~71:PRELUDE THERAPEUTICS, INCORPORATED, 200 Powder Mill Road, Experimental Station E440/3213, Wilmington, Delaware, 19803, United States of America ~72: ANDREW PAUL COMBS;HONG LIN;LIANG LU;PHILIP PITIS~ 33:US ~31:63/036,811 ~32:09/06/2020

2022/13634 ~ Complete ~54:TEMPERATURE MEASUREMENT SYSTEM FOR THERMAL ANALYSIS OF HAZARDOUS MATERIALS ~71:BGRIMM Explosives And Blasting Technology Co., Ltd., Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China;BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District,, Beijing, 100160, People's Republic of China ~72: DUAN, Yun;GUO, Bin;LIU, Feng;ZHANG, Li~

2022/13639 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR PREVENTING AND TREATING DIABETIC NEPHROPATHY AND ITS PREPARATION METHOD ~71:Yang Chenhua, No. 99, Lai&#39;an Road, Xi Xiang Jie Dao, Bao&#39;an District, Shenzhen City, Guangdong Province, People's Republic of China ~72: Yang Chenhua~

2022/13644 ~ Complete ~54:A SODA INSTANT NOODLE ~71:Zhenfang Xu, No.60, Yinqujishan Road, Lanshan District, Linyi, Shandong, People's Republic of China ~72: Zhenfang Xu~

2022/13649 ~ Complete ~54:METHOD FOR PREPARING HIGH-WHITENESS PULP BY USING THE LEAF-Forest Pattern Branches of Eucommia ulmoides Oliver as Raw Materials ~71:CHEN, Changzhou, No. 100, Daxue East Road, Xixiangtang District, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China;Guangxi University, No. 100, Daxue East Road, Xixiangtang District, Nanning City, Guangxi Zhuang Autonomous Region, 530004, People's Republic of China ~72: CHEN, Changzhou;CHI, Mingchao;MIN, Douyong;TANG, Mengqi;WU, Weixin~

2022/13651 ~ Complete ~54:SYSTEM FOR ASSISTING ACCURATE SURGICAL POSITIONING OF THE HEAD ~71:Duan Hubin, Wenyuan Lane 8, Yingze District, Taiyuan City, Shanxi Province, People's Republic of China;Duan Tianjiao, Wenyuan Lane 8, Yingze District, Taiyuan City, Shanxi Province, People's Republic of China;Hao Chunyan, Wenyuan Lane 8, Yingze District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Duan Hubin;Duan Tianjiao;Hao Chunyan~

2022/13655 ~ Complete ~54:SUPPORT METHOD FOR GOB-SIDE ENTRY IN DEEP COAL SEAM ~71:Anhui University of Science and Technology, 168 Taifeng Street, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China;Anhui Weipei Mining Technology Co., Ltd, 701, 7F, building A, entrepreneurship and innovation center, Taining Street, Shannan New District, Huainan City, Anhui Province, People's Republic of China;Anhui chen&#39;an Mine Support Technology Co., Ltd., 701, 7F, building A, entrepreneurship and innovation center, Taining Street, Shannan New District, Huainan City, Anhui Province, People's Republic of China;Hetaoyu Coal Mine of Huaneng Qingyang Coal Power Co., Ltd, Qiaopo Administrative Village, ZhouJia Township , Zhengning County, Qingyang City, Gansu Province, People's Republic of China ~72: JIAO Jianjun;JING Laiwang;JING Wei;LI Xiujun;LIANG Gelong;XUE Weipei;YANG Xiaoquan;ZHANG Haicheng~

2022/13663 ~ Complete ~54:A SYSTEM FOR THERMOELECTRIC GENERATION BY USING TEG DEVICES ~71:CHAUDHARI, Bhoopesh N., 13 SWANAND NAGAR, NEAR CHETNA NAGAR, AURANGABAD, MAHARASHTRA, 431005, India;DHOBE, Milind M., PLOT NO. 37, VIMAL APARTMENT, NEW SBH COLONY, JYOTI NAGAR NAGAR, AURANGABAD, MAHARASHTRA, 431005, India;GAIKWAD, Asha A., P NO. 47, S NO 228/1, HARSOOL, HONAJI NAGAR, JATWADA ROAD, KANCHANWADI, AURANGABAD, MAHARASHTRA,

431001, India;GHUGE, Priti K., B-8 PARDESHI HEIGHTS SHNOORWADI, AURANGABAD, KANCHANWADI, AURANGABAD, MAHARASHTRA 431005, India;KAMBLE, Govind P., PLOT NO. 134, PETHE NAGAR, BHAVSINGPURA, AURANGABAD, MAHARASHTRA, 431001, India;MUNDE, Surekha V., F-15, DAKSHIN VIHAR, NATH VALLEY SCHOOL ROAD, KANCHANWADI, AURANGABAD, MAHARASHTRA, 431002, India;PANDE, Abhijeet Sanjay, PLOT NO. 53, GUT 90/2, SAHYADRI NAGAR, SATARA PARISAR, AURANGABAD, MAHARASHTRA, 431003, India ~72: CHAUDHARI, Bhoopesh N.;DHOBE, Milind M.;GAIKWAD, Asha A.;GHUGE, Priti K.;KAMBLE, Govind P.;MUNDE, Surekha V.;PANDE, Abhijeet Sanjay~

2022/13681 ~ Complete ~54:SYSTEMS AND METHODS FOR WAVE ENERGY POWER PLANT ~71:SEVEN SEAS WAVE ENERGY LLC, 28 MAPLE TERRACE, MONSEY, NY, 10952, United States of America ~72: Joshua WALDHORN~ 33:US ~31:63/005,707 ~32:06/04/2020

2022/13695 ~ Complete ~54:CORONAVIRUS ANTIGEN COMPOSITIONS AND THEIR USES ~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, 8th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: DE BOER, Alexandra Sophie;ECHELARD, Yann Paul Guy R&#233;gis;HAJJAR, Roger Joseph;KAHVEJIAN, Avak;MELFI, Michael Donato;NELSON, Jennifer A.;PLUGIS, Nicholas McCartney~ 33:US ~31:63/027,932 ~32:20/05/2020;33:US ~31:63/034,704 ~32:04/06/2020;33:US ~31:63/068,936 ~32:21/08/2020;33:US ~31:63/074,442 ~32:03/09/2020;33:US ~31:63/125,778 ~32:15/12/2020

2022/13699 ~ Complete ~54:HUMAN CYTOMEGALOVIRUS GB POLYPEPTIDE ~71:Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: CHE, Ye;CHI, Xiaoyuan Sherry;DORMITZER, Philip Ralph;LIU, Yuhang;NICKI, Jennifer Anne;YAO, Xiaojie~ 33:US ~31:63/041,945 ~32:21/06/2020;33:US ~31:63/208,457 ~32:08/06/2021

2022/13704 ~ Complete ~54:AUTOMOTIVE CARGO/TRAY COVER ASSEMBLY ~71:Retract Canopy Systems Pty Ltd, 1 Activity Crescent, MOLENDINAR 4214, QUEENSLAND, AUSTRALIA, Australia ~72: WELLS, Simon Lee Owen~ 33:AU ~31:2020902254 ~32:02/07/2020

2022/13709 ~ Complete ~54:AN ENZYME-POLYMER MATRIX ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, Western Cape, 7600, South Africa ~72: BIANKE LOEDOLFF;DOMINIC NICHOLAS;ETHAN WADE HUNTER;LEON MILNER THEODORE DICKS;NICHOLAS GEORGE ENSLIN;SHAUN WAYNE PETERS~ 33:GB ~31:2009513.9 ~32:22/06/2020

2022/13638 ~ Complete ~54:MECHANICAL ARM PRESET PERFORMANCE CONTROL METHOD BASED ON SEGMENTED THRESHOLD EVENT TRIGGERING ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No.111,Shenliao West Road,Economic&Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: LIU Weijun;TONG Weiyang;XIAO Zhanying;YANG Di;ZHANG Heng;ZHU Yuhua~

2022/13641 ~ Complete ~54:A BODY-SURFACE POSITIONING DEVICE FOR RADIOTHERAPY OF LUNG CANCER ~71:920th Hospital of the Joint Logistic Support Force of the Chinese People's Liberation Army, No.212 Dagan Road, Xishan District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: Hong Chen;Jun Zhu;Kai Zhang;Xiao Jiang;Xiaoqing He;Yanling Sha;Yi Li;Yonggang Wang~ 33:CN ~31:202210226360.8 ~32:09/03/2022

2022/13645 ~ Complete ~54:SUPPORTING DEVICE OF GEOLOGICAL COMPASS FOR GEOLOGICAL SURVEY ~71:Chongqing University of Science and Technology, No. 20, East University Town Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: DA, Xuejuan;HUANG, Zhaohui;LAI, Fuqiang;LI, Pengfei;WANG, Haitao;XU, Guiwen;ZHU, Zhangxiong~

2022/13647 ~ Complete ~54:ANALYSIS OF SINGLE PHOTON DETECTORS IN DIFFERENTIAL PHASE SHIFT QUANTUM KEY DISTRIBUTION ~71:Dr. Vishal Sharma, S/O S/O Shri Kailash Chandra Sharma, Shivam Nagar-1, Plot 56, Ramnagariya, Jagatpura, Jaipur, Rajasthan, 302017, India ~72: Dr. Vishal Sharma~

2022/13652 ~ Complete ~54:BIN PACKING METHOD AND BIN PACKING CONTROL SYSTEM ~71:Shanghai Polytechnic University, No.2360 Jinhai Road, Pudong New District, Shanghai, 201209, People's Republic of China ~72: CUI Lei;WANG Yue;WANG Zhifeng;XU Jie~

2022/13688 ~ Complete ~54:METHOD FOR DETERMINING THE PREGNANCY STATE OF AN ANIMAL ~71:AGSCENT PTY LTD, 1701 Captains Flat Rd, Carwoola, Australia ~72: DARLINGTON, Bronwyn~ 33:AU ~31:2020901611 ~32:20/05/2020

2022/13694 ~ Complete ~54:MULTI-SPECIFIC ANTIBODIES BINDING TO BCMA ~71:TeneoBio, Inc., One Amgen Center Drive, THOUSAND OAKS 91320, CA, USA, United States of America ~72: FORCE ALDRED, Shelley;HARRIS, Katherine;MALIK, Harbani;SCHELLENBERGER, Ute;TRINKLEIN, Nathan;VAFA, Omid~ 33:US ~31:63/046,477 ~32:30/06/2020

2022/13703 ~ Complete ~54:METHOD FOR REDUCING AN IMBALANCE OF A PROJECTILE SHELL ~71:Rheinmetall Waffe Munition GmbH, Heinrich-Ehrhardt-Stra&#223;e 2, S&#220;DHEIDE 29345, GERMANY, Germany ~72: KADUR, Thomas;KUFFNER, Matthias;RADIES, Hendrik~ 33:DE ~31:10 2020 114 842.9 ~32:04/06/2020

2022/13707 ~ Complete ~54:BISPECIFIC ANTIBODY AND USE THEREOF ~71:HARBOUR BIOMED US, INC., 1 Broadway, 14th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: BING HUANG;CHEN ZHONG;FANGFANG DU;FEI CHEN;JIANXUN ZHAO;JINLI XIE;LEI SHI;XIAOCHENG LV;XIAODONG WU;YIPING RONG;YUN HE~ 33:CN ~31:202010618149.1 ~32:30/06/2020

2022/13714 ~ Complete ~54:METHODS FOR THE TRANSMISSION OF DATA BETWEEN A RESOURCE-CONSTRAINED DEVICE AND A NON-GEOSTATIONARY SATELLITE AND ASSOCIATED METHOD ~71:EUTELSAT S A, 70 Rue Balard, 75015, France ~72: ANTONIN HIRSCH;GEOFFROY BRICHLER~

2022/13664 ~ Complete ~54:A MULTI-UTILITY INSTANT DRYER ~71:DANDIN, Shahbazmubarak, H NO 3596/57, RANGANWADSTREET, GADAG, KARNATAKA, 582101, India;DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: BHOSALE, Avadhoot;DANDIN, Shahbazmubarak;KHINVSARA, Pratham;SHAH, Yash~

2022/13669 ~ Complete ~54:POLYURETHANE (PU) ACCELERATOR AND PREPARATION METHOD AND USE THEREOF ~71:QINGYUAN HUAYUAN INSTITUTE OF SCIENCE AND TECHNOLOGY COLLABORATIVE INNOVATION CO., LTD., Building B8, No. 6, Chuangye 1st Road, Qingyuan National High-tech Zone, Qingyuan Guangdong 511500, People's Republic of China ~72: GUO, Xiaoyao;HOU, Wenjun;LI, Jiaqiang;LIANG, Weijian;MA, Xiaoyang;WU, Yanru~ 33:CN ~31:202111680436.6 ~32:30/12/2021

2022/13675 ~ Complete ~54:A PIPE CONNECTION BENDING MECHANISM ~71:Anhui Technical College Of Mechanical and Electrical Engineering, No.16 Wenjin West Road, Yijiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Dan Shi;Dewei Wang;Kai Xu;Man Ni;Rui Jiang;Xiang Li~

2022/13631 ~ Complete ~54:A NEW ENERGY SECURITY EARLY WARNING MANAGEMENT SYSTEM AND METHOD BASED ON 5GNB-IOT TECHNOLOGY ~71:Shenzhen Bingxu Technology Co., Ltd, 21A, Unit B, Building 1, Dakang Fuyingmen Building, east of Futian Road, Futian Street, Futian District, Shenzhen, People's Republic of China ~72: Hou Jianguo;Yan Yong~ 33:CN ~31:202210736214.X ~32:27/06/2022

2022/13635 ~ Complete ~54: DIGITAL DRILLING CONTROL METHOD FOR OUTDOOR DEEP HOLE BLASTING ~71: BGRIMM Explosives And Blasting Technology Co., Ltd., Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China; BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China ~72: DUAN, Yun; WU, Chaoyang; ZHAO, Yonggang~

2022/13650 ~ Complete ~54: COALBED GAS SATURATION EVALUATION METHOD AND DEVICE AND STORAGE MEDIUM ~71: Yangtze University, No. 111, Daxue Road, Caidian Street, Caidian District, Wuhan City, Hubei Province, 430100, People's Republic of China ~72: HUANG, Hang; WEI, Ran; XU, Wei~

2022/13653 ~ Complete ~54: WEARABLE CARDIOVASCULAR MONITORING DEVICE ~71: THE AFFILIATED HOSPITAL OF SHANDONG UNIVERSITY OF TCM, (Xiyuan District) No. 42, Wenhua West Road, Jinan City, Shandong Province, 250011, People's Republic of China ~72: HU, Yuanlong; HUA, Zhen; JIANG, Feng; LI, Yunlun; ZHAI, Fengting; ZHANG, Lei~ 33: CN ~31: 202211233372.X ~32: 10/10/2022

2022/13658 ~ Complete ~54: COMPOSITION FOR PREVENTING AND TREATING FEMALE PHYSIOLOGICAL CYCLE DISORDER CAUSED BY HIGH ALTITUDE HYPOXIA AND APPLICATION ~71: Institute of Environmental and Operational Medicine, Academy of Military Medical Science, Academy of Military Science, No. 1 Dali Road, Heping District, Tianjin, People's Republic of China ~72: AI Chongyi; CHEN Zhaoli; LI Ran; LIU Weili; PU Lingling; WANG Tianhui; WANG Xinxing; WANG Zirou; XU Hongbao~

2022/13662 ~ Complete ~54: RADIAL LOCK MECHANISM ~71: MOHLALEFI (PTY) LTD., 18 Tongani Street, Bryanston Ext 45, Sandton, Gauteng, 2191, South Africa ~72: GERALD MUNIAH; MARTIN NARE MASITISE~ 33: ZA ~31: 2021/07248 ~32: 28/09/2021

2022/13673 ~ Complete ~54: METHOD FOR CONTROLLING DEVICE FOR AUTOMATICALLY ADJUSTING AIRWAY OPENING BODY POSITION ~71: The First Affiliated Hospital of Chongqing Medical University, 1, Youyi Road, Yuzhong District, Chongqing, P. R. of China, People's Republic of China ~72: Chen Hongmei; Guo Jinjin; Huang Juan; Li Dongmei; Luo Yan; Sun Minyue; Wen Jing; Wu Jun; Yang Xiangmei; Zeng Qing; Zhou Jing~ 33: CN ~31: 202211165187.1 ~32: 23/09/2022

2022/13679 ~ Complete ~54: NETWORKED LAMP AND LAMP NETWORKING SYSTEM ~71: FUJIAN SANAN SINO-SCIENCE PHOTOBIO TECH CO., LTD, Optoelectronics Industrial Park Hengshan Village, Hutou Town, Anxi County Quanzhou City,, Fujian, 362411, People's Republic of China ~72: LI, Haibin; WANG, Yating; ZENG, Liang~ 33: CN ~31: 202010561764.3 ~32: 18/06/2020

2022/13686 ~ Complete ~54: A LOW PRESSURE FLUID FLOW CONTROL VALVE ~71: TOFACH, Matan, 1513500 BEIT ZERA, ISRAEL, Israel ~72: TOFACH, Matan~ 33: IL ~31: 275151 ~32: 04/06/2020

2022/13624 ~ Provisional ~54: AGRIUP ~71: Lesego Motsemme, 962 Section B Palm Springs, South Africa; Sibusisiwe Zungu, 962 Section B Spoonbill Street, South Africa ~72: Lesego Motsemme; Sibusisiwe Zungu~

2022/13626 ~ Provisional ~54: THE FLOATING CSP-PV HYBRID SHIP ISLANDS ~71: JJ Govender, 49 Allen Road, South Africa ~72: JJ Govender~

- APPLIED ON 2022/12/20 -

2022/13725 ~ Complete ~54: A DOUBLE-LAYER RAINWATER DRAINAGE DITCH AND ITS CONSTRUCTION METHOD ~71: Xiaoping GAO, No.1 Gaoxin Avenue, Fuzhou High-tech Zone, Fuzhou City, Fujian Province, 350108, People's Republic of China ~72: Xiaoping GAO~

2022/13729 ~ Complete ~54:BIM-BASED GEOTECHNICAL ENGINEERING CONSTRUCTION PROGRESS INFORMATION MANAGEMENT METHOD AND SYSTEM ~71:East China University of Technology, No. 418, Guanglan Avenue, Economic Development Zone, Nanchang City, Jiangxi Province, 330013, People's Republic of China;Huatai Construction Engineering Co., Ltd., No. 388, Fusheng Road, Xihu District, Nanchang City, Jiangxi Province, 330025, People's Republic of China;Jiangxi Geo-Engineering Group Corporation Limited, No. 176, Zhanqian Road, Xihu District, Nanchang City, Jiangxi Province, 330002, People's Republic of China ~72: AO, Xiaoping;HU, Peiqiang;HUANG, Chuansheng;JI, An;LI, Dongwei;LIAO, Shufang;LIU, Yongsheng;MA, Hongwei;QIN, Zipeng;WANG, Gang;WANG, Jiliang;WANG, Zhenhua;WU, Bo;XIA, Minghai;YANG, Hui;YANG, Weifeng;ZHANG, Fuqing~

2022/13737 ~ Complete ~54:AN EPC PROJECT COST MANAGEMENT SYSTEM BASED ON BIM AND ITS APPLICATION ~71:Jiangsu Ocean University, No.59 Cangwu Road, Haizhou District, Lianyungang City, Jiangsu Province, 222005, People's Republic of China ~72: Bailong GONG;Jianguo ZHU;Junkai WU;Kaiwei ZHU;Ke XU;Ming SHAN;Panfeng REN;Susu ZHAO;Xinxiao CHEN;Xueni YAN~

2022/13744 ~ Complete ~54:METHOD FOR PREPARING TADALAFIL AND INTERMEDIATES THEREOF ~71:Shandong Academy of Pharmaceutical Sciences, No. 989, Xinluo Street, High-tech Zone, Jinan City, Shandong Province, 250000, People's Republic of China;Shandong Haiyou Freda Pharmaceutical Co., Ltd., No. 666 Xingfu Street, Linshu Economic Development Zone, Linyi City, Shandong Province, 276700, People's Republic of China ~72: CUI, Xinqiang;DUAN, Chonggang;JIANG, Yingyan;KONG, Xiangyu;LI, Xinzhi;LIU, Wentao;YANG, Li;ZHANG, Bin;ZHENG, Deqiang~

2022/13760 ~ Complete ~54:ALCOHOLS PRODUCTION ~71:SCION HOLDINGS LLC, 3011 Scenic Elm Street, Houston, United States of America ~72: KILLEBREW, Kyle;LANE, Samuel Livingston~ 33:US ~31:63/035,073 ~32:05/06/2020

2022/13772 ~ Complete ~54:CANOPY STRUCTURE FOR TRUCK BODY ~71:Caterpillar Inc., 100 NE Adams Street, PEORIA 61629-9510, IL, USA, United States of America ~72: ARUL, Samuel J.~ 33:US ~31:16/883,875 ~32:26/05/2020

2022/13780 ~ Complete ~54:METHOD FOR DRYING RED WATER FROM TRINITROTOLUENE PURIFICATION PROCESS, POWDER AND PACKAGED PRODUCT ~71:MAC JEE TECNOLOGIA LTDA., Avenida das Na&#231;&#245;es Unidas, 12.399 – conj. 79, Torre C, Brazil ~72: FAZOLIN, Gabriela;JEANNOT, Simon Pierre~

2022/13717 ~ Provisional ~54:ENERGY STORAGE AND MANAGEMENT SYSTEM ~71:KRACHT ENERGY SOLUTIONS (PTY) LTD, Unit 5, Princess Square Commercial Park, Cr Elsie & President Rd, South Africa ~72: OOSTHUIZEN, Hendrik Jacobus~

2022/13722 ~ Complete ~54:PREPARATION METHOD OF REDUCED GRAPHENE OXIDE-COATED POROUS CARBON/SULFUR COMPOSITE FIBER FILM ~71:Shandong Jiaotong University, No. 5001, Haitang Road, Changqing University Science and Technology Park, Jinan, People's Republic of China ~72: Fangyuan QIU;Ruixia CHU;Wanyou HUANG;Xiang HAO;Yujian ZOU~

2022/13726 ~ Complete ~54:ANTI-SLIP COATING FOR LOCOMOTIVES AND PREPARATION METHOD THEREOF ~71:Qingdao Longyude Electromechanical Technology Co., Ltd., 3302, Building 2, No. 17 Kunshan Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: LIANG, Zhijiang;ZHENG, Yan~

2022/13734 ~ Complete ~54:CONSTRUCTION METHOD OF BALANCED PIPE JACKING FOR SUPPORT MODIFIED BY CD METHOD UNDER SOFT FORMATION CONDITIONS ~71:Henan University of Urban Construction, Henan University of Urban Construction, Longxiang Avenue, Xinhua District, Pingdingshan City,

Henan Province, 467036, People's Republic of China; Henan Zhongya Communications Construction Group Co., Ltd., South of Shihuichang Village, Shenma Avenue, High-tech Zone, Pingdingshan City, Henan Province, 467019, People's Republic of China; Shaanxi Shenmu Construction Project Quality and Safety Supervision Station, No. 3-2, Binhe Avenue, Binhe Xinqu Street, Shenmu City, Shaanxi Province, 719300, People's Republic of China ~72: GUO, Yanhui; LONG, Zhe; MA, Yinhuai; NI, Hongmei; SONG, Weile; WEI, Jia; YUAN, Yanzhao; ZHAI, Juyun; ZHANG, Huiping; ZHANG, Shuo; ZHU, Hanyu~

2022/13738 ~ Complete ~54: TRAINING DEVICE FOR DRIBBLING AND SHOOTING FOR BASKETBALL TEACHING ~71: Gansu Agricultural University, No.1 Yingmen Village, Anning District, Lanzhou City, Gansu Province, People's Republic of China ~72: GUO Qing; HU Baohui~

2022/13741 ~ Complete ~54: A METHOD FOR THE DETECTION OF BOVINE INFECTIOUS RHINOTRACHEITIS VIRUS ~71: Xinjiang Agricultural University, Urumqi No.42 Nanchang Road, Yibak District, Urumqi, Xinjiang Uygur Autonomous Region, 830052, People's Republic of China ~72: Chuanjun WANG; Gang YAO; Jianjun GE; Liangtao LUO; Na LI; Qi ZHONG; Qiang FU; Qianglin REN; Wumaierjiang Yahefu; Xin LI; Xuejun MA; Xuelian MA; Yan LI; Yawei SUN~

2022/13747 ~ Complete ~54: DOUBLE REAL-TIME FLUORESCENCE QUANTITATIVE PCR DETECTION METHOD AND KIT FOR IDENTIFYING BRUCELLA VACCINE STRAINS ~71: Institute of Veterinary Research, Xinjiang Academy of Animal Sciences (animal clinical medicine research center of Xinjiang Academy of Animal Sciences), No.726, Dongrong Street, New Urban District, Urumqi, Xinjiang, 830010, People's Republic of China ~72: DING Zeren; GU Wenxi; LIU Liya; LIU Yinghao; MA Xiaojing; WU Jian; YE Feng; YI Xinpings~

2022/13787 ~ Provisional ~54: INVENTION OF A STRUCTURALLY INTEGRATED ELECTROMECHANICAL SECURITY SHIELD\_002 ~71: Charl van Niekerk, PLOT 3, GLEN MARAIS, South Africa; Paul Stefanus Millard, PLOT 3, GLEN MARAIS, South Africa ~72: Charl van Niekerk; Paul Stefanus Millard~ 33:ZA ~31:5/00 ~32:19/12/2022

2022/13777 ~ Complete ~54: COMPOSITIONS AND METHODS FOR TREATING PRESBYOPIA, HYPEROPIA, ASTIGMATISM, DECREASED STEREOPSIS, AND DECREASED CONTRAST SENSITIVITY ~71: Intratus-Nevada, Inc., 3360 Via Altamira, HENDERSON 89044, NV, USA, United States of America ~72: DYER, Aaron; NANDURI, Padma~ 33:US ~31:63/077,142 ~32:11/09/2020

2022/13782 ~ Complete ~54: SYSTEMS AND METHODS FOR PROCESSING COAL FOR USE IN A DIRECT AIR CAPTURE SYSTEM ~71: CARBON HOLDINGS INTELLECTUAL PROPERTIES, LLC, 1101 Sugarview Drive, Ste. 201, Sheridan, Wyoming, 82801, United States of America ~72: CHARLES AGEE ATKINS; CHRISTOPHER L YURCHICK~ 33:US ~31:63/038,554 ~32:12/06/2020

2022/13753 ~ Complete ~54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING/PREVENTING MYCOTOXICOSIS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, Donghua Road, Fengyang County, Chuzhou City 233100, Anhui Province, CHINA (P.R.C.), People's Republic of China ~72: LI, Jing; LI, Lei; LI, Shenghe; LIU, Chang; NING, Yan; SUN, Jie; TUMEN, Baya; WANG, Jin; WANG, Zhiwei; ZHANG, Mengge; ZHANG, Yu~

2022/13755 ~ Complete ~54: SYSTEM FOR PROVIDING ENERGY MANAGEMENT IN SMART GRID ENVIRONMENT ~71: Busa Aruna Kumari, D.NO.36-76-10, Boosa vari street, Reddy Kancharapalem, Visakhapatnam, Andhra Pradesh, India; Dr. Bhupesh Kumar. Namdeti, 9-2/2, 1st Lane, Teacher's Colony, Kankipadu Post and Mandal, Krishna, Andhra Pradesh, India; Dr. K. Naga Sujatha, H.No: 4-118, Plot no: 940/P, Pragathi Nagar, Hyderabad, Telangana, India; Dr. R. Satish, Dept. Of EEE, Anil Neerukonda Institute of Technology and Sciences, Visakapatnam, Andhra Pradesh, India; Dr.G.Kusuma, Assistant Professor, Department



of Electrical and Electronics Engineering , Sagi Rama Krishnam Raju Engineering College, Chinnamiram, Bhimavaram, West Godavari, Andhra Pradesh, India;Dr.K. Vaisakh, 6-179/6/5 GF-105, Metro Heights apartment, Saipriya layout, Madhurawada, Visakhapatnam, Andhra Pradesh, India;Prabhakara Sharma Pidatala, Associate Professor, Department of EEE, Kallam Haranadhareddy Institute of Technology (A), Chowdavaram, Guntur District, Andhra Pradesh, India ~72: Busa Aruna Kumari;Dr. Bhupesh Kumar. Namdeti;Dr. K. Naga Sujatha;Dr. R. Satish;Dr.G.Kusuma;Dr.K. Vaisakh;Prabhakara Sharma Pidatala~

2022/13759 ~ Complete ~54:DEVICE FOR INHALING A SUBSTANCE ~71:JOOZEF, Avenue Jupiter 147, Belgium ~72: HARFOUCHE, Joseph~ 33:EP ~31:20176900.7 ~32:27/05/2020;33:BE ~31:2021/5077 ~32:03/02/2021

2022/13769 ~ Complete ~54:LOZENGE ~71:GlaxoSmithKline Consumer Healthcare Holdings (US) LLC, 251 Little Falls Drive, WILMINGTON 19808, DE, USA, United States of America ~72: ENGLAND, Kenneth Earl;PATEL, Shivangi Akash;YANG, Chue Hue~ 33:US ~31:63/045,947 ~32:30/06/2020

2022/13719 ~ Complete ~54:AN ANCHORING SYSTEM WITH ITS TUNNELING EQUIPMENT AND TUNNELING ANCHORAGE METHOD ~71:Huaneng Coal Technology Research Co., Ltd., No. 188, West Road, South Fourth Ring, Fengtai District, Beijing, 100070, People's Republic of China;Liaoning Technical University, No. 47 Zhonghua Road, Fuxin City, Liaoning Province, 123000, People's Republic of China ~72: Bing HU;Dongxu LIU;Guoqiang CHEN;Hao XU;Hongyu ZHANG;Jie LIU;Jinnan LU;Jisheng LI;Jun MAO;Miao XIE;Pengfei MENG;Weidong LI;Xiaochen GUO;Xiaohu SUN;Yaohui WANG;Yilong WANG;Zhixiang LIU~

2022/13730 ~ Complete ~54:MULTI-SPECIALTY WORK TYPE COORDINATION MANAGEMENT DEVICE BASED ON BIM TECHNOLOGY ~71:East China University of Technology, No. 418, Guanglan Avenue, Economic Development Zone, Nanchang City, Jiangxi Province, 330013, People's Republic of China;Irrigation Management Office of Kuitun River Basin Water Conservancy Project of Ili Kazak Autonomous Prefecture, No. 55, Urumqi East Road, Kuitun City, Ili Kazak Autonomous Prefecture, Xinjiang, 833299, People's Republic of China;Zhejiang University of Water Resources and Electric Power, No. 508, Xuefu Street, Xiasha Higher Education Zone, Hangzhou City, Zhejiang Province, 310018, People's Republic of China ~72: AO, Xiaoping;HU, Peiqiang;HUANG, Chuansheng;LI, Dongwei;LIU, Xiqi;LIU, Yongsheng;MA, Hongwei;QIN, Zipeng;WANG, Gang;WANG, Zhenhua;WU, Bo;XIA, Minghai;XU, Guxing;YANG, Hui;ZHANG, Fuqing;ZHANG, Rui;ZHOU, Lihui~

2022/13742 ~ Complete ~54:COLLOIDAL GOLD TEST STRIP FOR SIMULTANEOUSLY DETECTING IL-1BETA, IL-1RA AND IL-1RA/IL-1BETA RATIO ~71:JILIN PROVINCE BIOSCI DEVELOPMENT CO., LTD., BUILDING 15# 1104 ROOM, XINCHENG WUYUE MaI, LVYUAN DISTRICT, CHANGCHUN CITY, JILIN PROVINCE, People's Republic of China;JILIN UNIVERSITY, QIANJIN STREET 2699#, CHAOYANG DISTRICT, CHANGCHUN CITY, JILIN PROVINCE, People's Republic of China;WEIFANG XIASHAN WEITAI BIOTECHNOLOGY CO., LTD., BUILDING 2#, FENGHUANG LING STREET 197#, XIASHAN DISTRICT, WEIFANG CITY, SHANDONG PROVINCE, People's Republic of China ~72: CHANG JIANG;HU PAN;JU DANDI;LI YANSONG;LIU XILIN;LU SHIYING;REN HONGLIN;WANG HAIBO;WANG MIDONG;ZOU DEYING~

2022/13758 ~ Complete ~54:DESIGN METHOD FOR COMBINED SUBSIDENCE SUPPRESSION APPARATUS WITH GROUND BEAMS AND TIE BARS FOR SHALLOW-BURIED TUNNEL, AND SYSTEM ~71:CHINA RAILWAY 12TH BUREAU GROUP 7TH CORPORATION LIMITED, No. 202, Mittraphap Road, Tianxin District, Changsha, Hunan Province, People's Republic of China;CHINA RAILWAY 12TH BUREAU GROUP CO., LTD., 130 West Mining Street, Taiyuan, Shanxi Province, 030024, People's Republic of China ~72: BAO, Yeming;CHEN, Zhi;GAO, Yanpeng;HU, Jianguo;LI, Jianjun;LI, Tiansheng;LIU, Yuanjie;SHEN, Hanming;YANG, Zhigang;ZENG, Xianping;ZHANG, Nijin~ 33:CN ~31:202210470461.X ~32:28/04/2022

2022/13764 ~ Complete ~54:FIRE EXTINGUISHING COMPOSITION FOR LARGE FIRES ~71:FIREXO COTM LIMITED, Coyle White Devine, Boughton Business Park, Bell Lane, United Kingdom ~72: BREITH, David~ 33:GB ~31:2007892.9 ~32:27/05/2020

2022/13771 ~ Complete ~54:COVERAGE INDICATOR PREDICTION METHOD, MODEL TRAINING METHOD AND APPARATUS, DEVICE, AND MEDIUM ~71:ZTE Corporation, ZTE Plaza, Keji Road, South Hi-Tech Industrial Park, Nanshan, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: MA, Xiaoxiao;XUE, Ao~ 33:CN ~31:202010459738.X ~32:26/05/2020

2022/13721 ~ Complete ~54:A COMPREHENSIVE PIPELINE CORRIDOR U-TRENCH EXCAVATION EQUAL PRESSURE THRUST CONSTRUCTION METHOD ~71:Beijing University Of Technology, 100 Pingle Park, Chaoyang District, Beijing, 100024, People's Republic of China;Hebei GEO University, No. 136 Huaian East Road, Yuhua District, Shijiazhuang City, Hebei Province, 050031, People's Republic of China ~72: Aijun YAO;Haiyan XU;Jing CHEN;Junfeng WANG;Muci YUE;Xiaoge LI;Xiaoyong KOU;Xiuling CAO;Yuxin ZHAI;Zhiqiang ZHAI~

2022/13723 ~ Complete ~54:EXPRESSION, PURIFICATION, CRYSTAL STRUCTURE AND APPLICATION OF PROTEIN ESTERASE EST3563 CAPABLE OF DEGRADING PHTHALATES ~71:FUJIAN NORMAL UNIVERSITY, Qishan Campus of Fujian Normal University, No. 18, Wulongjiang Middle Avenue, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, People's Republic of China ~72: CHEN Lifei;WU Yunkun;ZHANG Hong~

2022/13727 ~ Complete ~54:TWO-COMPONENT SPECIAL RESIN-BASED PRIMER AND PREPARATION METHOD THEREOF ~71:Qingdao Longyude Electromechanical Technology Co., Ltd., 3302, Building 2, No. 17 Kunshan Road, Shibei District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: LIANG, Zhijiang;ZHENG, Yan~

2022/13735 ~ Complete ~54:RT-PCR DETECTION METHOD FOR IDENTIFYING SEROTYPE 29 BLUETONGUE VIRUS ~71:Institute of Veterinary Research, Xinjiang Academy of Animal Sciences (animal clinical medicine research center of Xinjiang Academy of Animal Sciences), No.726, Dongrong Street, New Urban District, Urumqi, Xinjiang, 830010, People's Republic of China ~72: GU Wenxi;GULIZHATI Talifuhan;LIU Liya;LIU Shuai;MA Xiaojing;XUE Xiaobo;YE Feng;YI Xiping~

2022/13740 ~ Complete ~54:COMPOUND CONTROL HYDRAULIC PUMP AND COMPOUND HYDRAULIC CONTROL SYSTEM ~71:JIANGSU COLLEGE OF SAFETY TECHNOLOGY, No.1, Yucai Road, Jiawang District, Xuzhou City, Jiangsu Province, People's Republic of China;XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: JI Zhi;LI Haiyan;LI Jiansong;SUN Jinhai~

2022/13749 ~ Complete ~54:EXPRESSION, PURIFICATION, CRYSTAL STRUCTURE AND APPLICATION OF SP PROTEIN ENCODED BY RSV ~71:FUJIAN NORMAL UNIVERSITY, Qishan Campus of Fujian Normal University, No. 18, Wulongjiang Middle Avenue, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, People's Republic of China ~72: CHEN Lifei;CHEN Pu;WU Yunkun~

2022/13768 ~ Complete ~54:TEXTILE ARTICLE COMPRISING GRAPHENE AND FILTERS COMPRISING SAID TEXTILE ARTICLE ~71:Directa Plus S.p.A., c/o ComoNExT Science Park, Via Cavour 2, LOMAZZO I-22074, CO, ITALY, Italy ~72: CESAREO, Giulio Giuseppe;RIZZI, Laura Giorgia~ 33:IT ~31:10202000012262 ~32:25/05/2020

2022/13779 ~ Complete ~54:HIGH DIMENSIONAL FINGERPRINTS OF SINGLE NANOPARTICLES AND THEIR USE IN MULTIPLEXED DIGITAL ASSAYS ~71:UNIVERSITY OF TECHNOLOGY SYDNEY, 15 Broadway, Ultimo, Australia ~72: JIN, Dayong;LIAO, Jiayan;ZHOU, Jijia~ 33:AU ~31:2020902731 ~32:04/08/2020

2022/13784 ~ Complete ~54:METHODS FOR CONTROLLING MERISTEM SIZE FOR CROP IMPROVEMENT ~71:PAIRWISE PLANTS SERVICES, INC., 807 East Main Street, Suite 4-100, Durham, United States of America ~72: GRAHAM, Nathaniel;O&#39;CONNOR, Devin~ 33:US ~31:63/040,044 ~32:17/06/2020

2022/13786 ~ Complete ~54:CONTAINER FOR RECEIVING DELIVERIES ~71:BROWN, Troger Johnny Malcolm, 63 Aristotles Street, Ennerdale, 1825, Gauteng, South Africa ~72: BROWN, Troger Johnny Malcolm~ 33:ZA ~31:2020/03736 ~32:22/06/2020

2022/13773 ~ Complete ~54:SATRAPLATIN FOR USE IN THE TREATMENT OF LYMPHOID NEOPLASMS ~71:Dayton Therapeutics AG, Sennweidstr. 45, STEINHAUSEN ZUG 6312, SWITZERLAND, Switzerland ~72: DAHM, Felix;MARKSON, Gabriel Benjamin;RENNER, Christoph Robert;ZANDER, Thilo Joachim~ 33:EP ~31:20184760.5 ~32:08/07/2020

2022/13778 ~ Complete ~54:HEAT EXCHANGER SYSTEM ~71:Lummus Technology LLC, 1515 Broad Street, BLOOMFIELD 07003-3096, NJ, USA, United States of America ~72: BRIGNONE, Vincenzo Marco;GROPPI, Roberto;GUYMON, David;HERBANEK, Ron;JIBB, Richard John~ 33:US ~31:63/045,675 ~32:29/06/2020;33:US ~31:63/045,697 ~32:29/06/2020;33:US ~31:63/045,721 ~32:29/06/2020;33:US ~31:63/045,743 ~32:29/06/2020

2022/13776 ~ Complete ~54:CIP SYSTEM ~71:E-CIP Concept ApS, B&#252;lowsgade 3, AARHUS C 8000, DENMARK, Denmark ~72: POULSEN, Anders Holdflod~ 33:DK ~31:PA 2020 00638 ~32:29/05/2020

2022/13745 ~ Complete ~54:A SYSTEM ESTIMATION AND BALANCING OF BATTERY STATE OF CHARGE ~71:Anjaneyashanmukh Ramachandrani, Student, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Bujji Babu Dasari, Department of Computer Applications, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Devakirubakaran Samidoss, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Hussain Basha Mahammad, Department of Physics, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Jafar Ali Ibrahim Syed Masood, Department of IoT, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, 632014, India;Manchikalapati Manideepika, Department of ECE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Narendra Mupparaju, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Pachuru Mohan babu, Department of Physics, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Prof. (Dr.) Sasmita Samanta, Vice Chancellor, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar, Odisha, 751024, India;Puneet Kumar Yadav, Assistant Professor, Department of CSE, Chandigarh University UIE - CSE, NH-05, Ludhiana - Chandigarh State High way, Sahibzada Ajit Singh Nagar, Punjab, 140413, India;Srinivasulu Madala, Department of Mechanical Engineering, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Surya Kalyan Chakravarthy Nidamanuri, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Venkatasubramanian Krishnan, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India ~72: Anjaneyashanmukh Ramachandrani;Bujji Babu Dasari;Devakirubakaran Samidoss;Hussain Basha Mahammad;Jafar Ali Ibrahim Syed Masood;Manchikalapati Manideepika;Narendra Mupparaju;Pachuru Mohan babu;Prof. (Dr.) Sasmita

Samanta;Puneet Kumar Yadav;Srinivasulu Madala;Surya Kalyan Chakravarthy Nidamanuri;Venkatasubramanian Krishnan~

2022/13766 ~ Complete ~54:IMPROVEMENTS IN OR RELATING TO SHOWER RODS ~71:NORCROS GROUP (HOLDINGS) LIMITED, Central Way Andover, United Kingdom ~72: PEGDEN, Peter James Harold~ 33:GB ~31:2010998.9 ~32:16/07/2020

2022/13774 ~ Complete ~54:PREDICTIVE POWER MANAGEMENT USING MACHINE LEARNING ~71:Sky CP Limited, Grant Way, ISLEWORTH TW7 5QD, MIDDLESEX, UNITED KINGDOM, United Kingdom ~72: CRAIG, Stephen;DES JARDINS, George Thomas;REES, Adam~ 33:GB ~31:2011093.8 ~32:17/07/2020

2022/13728 ~ Complete ~54:A PLANTING TECHNOLOGY FOR PROMOTING WALNUT FLOWER BUD DIFFERENTIATION ~71:Chengxian Xingfeng Agroforestry Technology Co., Ltd., Chamber of Commerce Building, New Street, Chengxian County, Longnan City, Gansu Province, 742500, People's Republic of China ~72: Fumin ZHU;Ruisheng ZHAO;Xinggui GUO;Yi ZHANG;Zhaomin ZHANG;Zhiyuan WU~

2022/13733 ~ Complete ~54:ACCURATE TRAINING PATH PLANNING SYSTEM FOR RURAL VOCATIONAL EDUCATION ~71:Guangdong Polytechnic Normal University, No. 293, Zhongshan Avenue West, Tianhe District, Guangzhou, Guangdong, People's Republic of China ~72: MA Xuelan;XIAO Bing~

2022/13775 ~ Complete ~54:A CABLE HANDLING DEVICE FOR CABLE BOLTS ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEIG 8740, AUSTRIA, Austria ~72: GALLER, Thomas;REUM&#220;LLER, Bruno~

2022/13718 ~ Complete ~54:A BIFUNCTIONAL CATALYST FOR ELECTROCHEMICAL REACTION OF SULFUR ELECTRODE AND ITS PREPARATION METHOD ~71:Guangdong Polytechnic Normal University, No. 293, Zhongshan Avenue West, Tianhe District, Guangzhou City, Guangdong Province, 511400, People's Republic of China ~72: Haorong ZHENG;Hongjian GUAN;Jing PENG;Jinying HONG;Junxiong TANG;Shihan LUO;Shuaibo ZENG;Wei XU;Xiyuan PAN;Ye CHEN;Yongyi LI~

2022/13724 ~ Complete ~54:PROTEIN CRYSTAL IN THE CARBOXYL TERMINAL REGION OF NBREM1.1, PREPARATION METHOD AND APPLICATION THEREOF ~71:FUJIAN NORMAL UNIVERSITY, Qishan Campus of Fujian Normal University, No. 18, Wulongjiang Middle Avenue, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, People's Republic of China ~72: CHEN Lifei;HUANG Xiaojing;WU Yunkun~

2022/13751 ~ Complete ~54:OVERLOAD PROTECTION DEVICE FOR A REDUCER ~71:Zheng Zhou Research Institute of Mechanical Engineering CO.,LTD., No.149 Kexue Avenue, Hi-Tech Industries Development Zone, Zhengzhou, Henan, 450001, People's Republic of China ~72: Bang,Pei;Lubing,Shi;Mingzhi,Li;Shidang,Yan;Wei,Ding;Zhongming,Liu~

2022/13770 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATMENT OF FUNGAL INFECTIONS ~71:The University of Southern California, USC Stevens Center for Innovation, 1150 S. Olive Street, Suite 2300, LOS ANGELES 90015 , CA, USA, United States of America ~72: BASSO, Virginia;SCHAAL, Justin B.;SELSTED, Michael E.;TRAN, Dat Q.~ 33:US ~31:63/044,943 ~32:26/06/2020

2022/13732 ~ Complete ~54:INTELLIGENT GLAZE SPRAYING DEVICE FOR SANITARY CERAMICS ~71:TANGSHAN UNIVERSITY, No. 11 University West Road,hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: DAI Yan;DONG Zhiwei;TIAN Lixin~

2022/13736 ~ Complete ~54:A CONSTRUCTION METHOD OF ROTARY SINKING PRECAST PILE ~71:Jiangsu Ocean University, No.59, Cangwu Road, Haizhou District, Lianyungang City, Jiangsu Province, 222005, People's

Republic of China ~72: Bailong GONG;Jianguo ZHU;Junkai WU;Kaiwei ZHU;Ke XU;Lin YU;Ming SHAN;Panfeng REN;Susu ZHAO;Xinxiao CHEN~

2022/13743 ~ Complete ~54:CARBON INHIBITOR AND APPLICATION THEREOF IN ORE DRESSING FIELD OF CARBON-CONTAINING LEAD-ZINC SULFIDE ORE ~71:Central South University, Zuojianglong, Yuelu District, Changsha City, Hunan Province, 410083, People's Republic of China ~72: CAO, Zhengqiang;HU, Yuehua;LIN, Shangyong;LIU, Runqing;SUN, Wei;WANG, Changtao;ZHAI, Qilin~

2022/13746 ~ Complete ~54:AN IOT BASED SYSTEM FOR DATA ACQUISITION ~71:Chinnaiyan Ramasubramanian, Professor, Department of Computer Science and Engineering, Presidency University, Itgalpur Rajanakunte, Yelahanka, Bengaluru, Karnataka, 560064, India;Jafar Ali Ibrahim Syed Masood, Department of IoT, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, 632014, India;Jaya Krishna. K, Department of Computer Application Engineering, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Kocharla Sreenath, Department of IT, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Malakonda Rayudu, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Nourin Shaik, Student, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Prof. (Dr.) Sasmita Samanta, Vice Chancellor, Kalinga Institute of Industrial Technology (KIIT), Deemed to be University, Bhubaneswar, Odisha, 751024, India;Puneet Kumar Yadav, Assistant Professor, Department of CSE, Chandigarh University UIE - CSE, NH-05, Ludhiana - Chandigarh State High way, Sahibzada Ajit Singh Nagar, Punjab, 140413, India;S N Vittal Kollapudi, Department of ECE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Siva Ratna Sai Thota, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Srinivasulu Rompicharala, Department of Mechanical Engineering, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Suresh Kornepati, Department of Mechanical Engineering, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Surya Kalyan Chakravarthy Nidamanuri, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India ~72: Chinnaiyan Ramasubramanian;Jafar Ali Ibrahim Syed Masood;Jaya Krishna. K;Kocharla Sreenath;Malakonda Rayudu;Nourin Shaik;Prof. (Dr.) Sasmita Samanta;Puneet Kumar Yadav;S N Vittal Kollapudi;Siva Ratna Sai Thota;Srinivasulu Rompicharala;Suresh Kornepati;Surya Kalyan Chakravarthy Nidamanuri~

2022/13762 ~ Complete ~54:A FLEXIBLE FLOATING RESERVOIR FOR STORING AND TRANSPORTING LIQUIDS HEAVIER THAN THE ENVIRONMENTAL LIQUID IN WHICH THE RESERVOIR IS IMMERSIBLE ~71:SIZEABLE ENERGY S.R.L., c/o Milano Multiphysics, Via Washington, 96, Italy ~72: AUFIERO, Manuele;DI LECCE, Francesco;FIORINA, Carlo~ 33:IT ~31:102020000014422 ~32:17/06/2020

2022/13785 ~ Complete ~54:A VERTICAL TAKE-OFF AND LANDING AIRCRAFT, METHODS AND SYSTEMS FOR CONTROLLING A VERTICAL TAKE-OFF AND LANDING AIRCRAFT ~71:Nelson Mandela University, Room 1207, 12th Floor, Main Building, Summerstrand Campus (South), University Way, Port Elizabeth 6031, SOUTH AFRICA, South Africa ~72: MOONEY, Paul Damian;PHILLIPS, Russell~ 33:GB ~31:2007673.3 ~32:22/05/2020

2022/13720 ~ Complete ~54:AN ANTI-SEISMIC STRUCTURAL FRAMEWORK SUITABLE FOR THE URBAN UNDERGROUND UTILITY TUNNEL ~71:Hebei GEO University, No. 136 Huaian East Road, Yuhua District, Shijiazhuang City, Hebei Province, 050031, People's Republic of China ~72: Aijun YAO;Bo ZHANG;Haiyan XU;Huige WU;Jianming LI;Jing CHEN;Junfeng WANG;Muci YUE;Qingqian MENG;Qingyao LI;Xiaoge LI;Xiaoyong KOU;Xiuling CAO;Ying YUAN;Yuxin ZHAI;Yuzhang WANG;Zhiqiang ZHAI~

2022/13750 ~ Complete ~54:AN AUTOMATIC LASER WELDING EQUIPMENT FOR PIPE FITTINGS ~71:Anhui Technical College Of Mechanical and Electrical Engineering, No.16 Wenjin West Road, Yijiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Dewei Wang;Kai Xu;Shengyuan Rui;Xiang Li;Yansong Tan~

2022/13781 ~ Complete ~54:LIGAND COMPOUNDS, CONJUGATES, AND APPLICATIONS THEREOF ~71:ARGORNA PHARMACEUTICALS CO., LTD., Room 101, Building B, 7 Suida Street, Science Park, Huangpu District Guangzhou, Guangdong, 510530, People's Republic of China ~72: BILL BILIANG ZHANG;HAOTING ZHAO~

2022/13757 ~ Complete ~54:A METHOD FOR CALCULATING THE LOWEST-COST FEED RATIO FOR PREGNANT DAIRY COWS ~71:Dr Kokila Ramesh, Department of Mathematics, Faculty of Engineering and Technology, Jain Deemed-to-be University, Bangalore - Kanakapura Main Road Ramanagara District, 562112, India;Dr. Anuradha Bhattacharjee, Department of Mathematics, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, HAL Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Dr. Deepika T, Department of Mathematics, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, HAL Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Dr. Mahalakshmi P, Department of Mathematics, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, HAL Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Dr. Mir Aadil, School of Computer Sciences and Information Technology, Jain Deemed-to-be University, 44/4, District Fund Road, Jayanagar 9th Block, Bangalore, Karnataka, 560069, India;Dr. Pramod Naik, Department of Computer Science, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, HAL Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Dr. Radha Gupta, Department of Mathematics, Dayananda Sagar College of Engineering, affiliated to VTU-Belagavi, Shavige Malleshwara Hills, 1st Stage, Kumaraswamy Layout, Bengaluru, Karnataka, 560078, India;Dr. Ravinder Singh Kuntal, Department of Mathematics, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, HAL Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Dr. Vishal Patil, Department of Mathematics, Faculty of Engineering and Technology, Jain Deemed-to-be University, Bangalore - Kanakapura Main Road Ramanagara District, 562112, India;Narendra V H, Department of Mathematics, Govt First Grade College, Holalkere, Karnataka, 577526, India;Priya Satish, Department of Mathematics, Faculty of Engineering and Technology, Jain Deemed-to-be University, Bangalore - Kanakapura Main Road Ramanagara District, 562112, India;Rahila Rashid, Department of Mathematics, School of Engineering, Dayananda Sagar University. Hosur Rd, Kudlu Gate, Srinivasa Nagar, Hal Layout, Singasandra, Bengaluru, Karnataka, 560068, India;Veena M G, Department of Mathematics, Govt First Grade College, Magadi, Bangalore, 562120, India ~72: Dr Kokila Ramesh;Dr. Anuradha Bhattacharjee;Dr. Deepika T;Dr. Mahalakshmi P;Dr. Mir Aadil;Dr. Pramod Naik;Dr. Radha Gupta;Dr. Ravinder Singh Kuntal;Dr. Vishal Patil;Narendra V H;Priya Satish;Rahila Rashid;Veena M G~

2022/13765 ~ Complete ~54:PROCYANIDINS FOR THE TREATMENT OF ENDOTHELIAL DYSFUNCTION TRIGGERED BY COVID-19 ~71:HORPHAG RESEARCH IP (PYC) LTD., Karaiskaki 38, Kanika Alexander Center BLC 1&#163;, Cyprus ~72: BURKI, Carolina;FERRARI, Victor;WEICHMANN, Franziska~ 33:EP ~31:20180939.9 ~32:18/06/2020

2022/13783 ~ Complete ~54:RETRACTABLE CAPACITIVE SWITCH KIT ~71:GRANITIFIANDRE S.P.A., Via Radici Nord, 112 42014 Castellarano (RE), Italy ~72: CARLO ORSI~ 33:IT ~31:102020000016225 ~32:06/07/2020

2022/13716 ~ Provisional ~54:WHEEL SPANNER EXTENDER ~71:Francois Meyer, 7 Clifton road, South Africa ~72: Francois Meyer~

2022/13731 ~ Complete ~54: DRYING DEVICE FOR PULVERIZED PARTICLES OF GRAPHENE MATERIALS  
~71: XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City,  
Jiangsu Province, People's Republic of China ~72: CONG Houluo; WANG Kai; WEI Bangfeng; XU Yunhui~

2022/13739 ~ Complete ~54: A METHOD FOR THE PREPARATION OF LAMB FECAL MICROBIOTA  
SOLUTION ~71: Xinjiang Agricultural University, No.42 Nanchang Road, Yibak District, Urumqi, Xinjiang Uygur  
Autonomous Region, 830052, People's Republic of China ~72: Chengxu YAN; Gang YAO; Na LI; Qi  
ZHONG; Rulong CHEN; Tongjun GUO; Wumaierjiang Yahefu; Xin LI; Xuejun MA; Xuelian MA; Yawei SUN; Zhuo  
CHEN~

2022/13756 ~ Complete ~54: METHOD FOR PRODUCTION AND CHARACTERIZATION OF OOSPOREIN  
FROM ENDOPHYTIC FUNGUS (COCHLIOBOLUS KUSANOI) ~71: Ramesha A, S/O Alurappa, Dyagerahalli, Sira  
Talluk, Tumkar District, Karnataka, 572139, India; Srinivas C, #421, Gurukrupa, 9th main 1st cross, HAL 2nd  
stage, Indiranagar, Bangalore Karnataka, 560038, India ~72: Ramesha A; Srinivas C~

2022/13767 ~ Complete ~54: METHODS OF TREATING A KRAFT PROCESS RECOVERY CYCLE TO REDUCE  
METAL LEVELS AT THE KRAFT PROCESS ~71: Suzano S.A., AVENIDA PROFESSOR MAGALHÃES  
NETO, Nº 1.752, 10º ANDAR, SALAS 1010 E 1011, PITUBA, SALVADOR - BA 41810-012, BRAZIL,  
Brazil ~72: DE FARIA, Thiago Silva Pinto; RAMIRES, Heloisa Ogushi Romeiro~ 33:US ~31:63/029,075  
~32:22/05/2020

2022/13748 ~ Complete ~54: AN AUXILIARY POSITIONING DEVICE FOR ELECTRON BEAM IRRADIATION IN  
RADIOTHERAPY ~71: YIN Li, No. 42 baiziting, Xuanwu District, Nanjing City, Jiangsu Province, People's  
Republic of China ~72: YIN Li~

2022/13752 ~ Complete ~54: VARIABLE DISPLACEMENT PUMP AND HYDRAULIC CONTROL SYSTEM  
USING VARIABLE DISPLACEMENT PUMP ~71: JIANGSU COLLEGE OF SAFETY TECHNOLOGY, No.1, Yucai  
Road, Jiawang District, Xuzhou City, Jiangsu Province, People's Republic of China; XUZHOU COLLEGE OF  
INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's  
Republic of China ~72: JI Zhi; LI Haiyan; LI Jiansong; SUN Jinhai~

2022/13754 ~ Complete ~54: REMOTE LOADING OF SPARINGLY WATER-SOLUBLE DRUGS INTO LIPID  
VESICLES ~71: CELATOR PHARMACEUTICALS, INC., 3170 Porter Drive Palo Alto, California, 94304, United  
States of America ~72: CHARLES O NOBLE; FRANCIS C SZOKA JR; MARK E HAYES~ 33:US ~31:62/033,073  
~32:04/08/2014

2022/13761 ~ Complete ~54: IMPROVED MAGNETIC DRIVE ~71: FLUX DRIVE LLC, 1430 S DIXIE HWY, STE  
105 # 101, United States of America ~72: BRAUN, Richard; CORBIN III, Philip; SPARKS, Michael Troy~ 33:US  
~31:16/909,989 ~32:23/06/2020

2022/13763 ~ Complete ~54: INBUILT MICROSCOPY WITH LIGHT GUIDING ELEMENTS FOR SMARTPHONE  
AND OTHER DEVICES ~71: SCOPGENX PRIVATE LIMITED, 201, MARUTI CRYSTAL OPP. RAJPATH CLUB  
S.G. HIGHWAY, BODAKDEV GUJARAT, AHMEDABAD 380054, INDIA, India ~72: MEVADA, Jayeshkumar,  
Sevantilal; PANDIT, Aniruddha, Bhalchandra~ 33:IN ~31:202021003723 ~32:28/06/2020

- APPLIED ON 2022/12/21 -

2022/13872 ~ 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: FROST, Sofia; HAAS, Alexander; IMHOF-JUNG, Sabine; KLEIN, Christian~ 33:IB  
~31:2020/069561 ~32:10/07/2020; 33:EP ~31:21151246.2 ~32:12/01/2021

2022/13873 ~ Complete ~54:THE PROCESS OF PREPARATION OF ANTHRANILAMIDES ~71:Adama Makhteshim Ltd., P.O. Box 60, BEER SHEVA 8410001, ISRAEL, Israel ~72: CHEN , Bob;FORCKOSH, Hagit;GOLUB , Yanai;LIE , Jie;PARNES , Regev;SUEZ, Gal~ 33:US ~31:63/035,865 ~32:08/06/2020

2022/13883 ~ Complete ~54:STABILIZED MICROCAPSULES, METHOD OF THEIR PREPARATION AND USES THEREOF ~71:Sol-Gel Technologies Ltd., 7 Golda Meir Street, Weizmann Science Park, NESS ZIONA 7403650, ISRAEL, Israel ~72: ERLICH, Maya;FINKEL-MOISEEV, Danil;MARCO, Dorit;NEIMANN, Karine;TOLEDANO, Ofer~ 33:US ~31:63/028,599 ~32:22/05/2020

2022/13889 ~ Complete ~54:NEUROKININ (NK)-1 RECEPTOR ANTAGONISTS FOR USE IN THE TREATMENT OF PULMONARY FIBROSIS CONDITIONS PROMOTED BY MECHANICAL INJURY TO THE LUNGS ~71:NeRRE Therapeutics Limited, Stevenage Bioscience Catalyst, Office F25 Incubator Building, Gunnels Wood Road, STEVENAGE SG1 2FX, HERTFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: KERR, Mary;PAWSEY, Stephen;TROWER, Mike~ 33:US ~31:63/033,279 ~32:02/06/2020

2022/13892 ~ Complete ~54:MULTI-CAVITY CUSTOMIZABLE DOSAGE FORMS ~71:Johnson & Johnson Consumer Inc., 199 Grandview Road, SKILLMAN 08558, NJ, USA, United States of America ~72: BEAN, Anthony;DAVE, Vipul;HOPSON, Peyton;HOWARD, Matthew A.;SINSEL, Joshua~ 33:US ~31:63/031,133 ~32:28/05/2020;33:US ~31:17/323,392 ~32:18/05/2021

2022/13895 ~ Complete ~54:METHOD FOR SYNTHESISING MACROMOLECULES IN SOLUTION FROM CARBOHYDRATE DERIVATIVE UNITS ~71:STRAINCHEM, Rue Emile Duclaux, Biop&#244;le Clermont Limagne, 63360 Saint-Beauzire, France ~72: AUDREY SERRE;JEAN-JACQUES YOUTE TENDOUNG~ 33:FR ~31:2006615 ~32:24/06/2020;33:FR ~31:2006654 ~32:25/06/2020

2022/13897 ~ Complete ~54:LNP COMPOSITIONS COMPRISING MRNA THERAPEUTICS WITH EXTENDED HALF-LIFE ~71:MODERNATX, INC., 200 Technology Square, Cambridge, Massachusetts, 02139, United States of America ~72: ALICIA BICKNELL;CAROLINE KOHRER;DAVID REID;RUCHI JAIN~ 33:US ~31:63/042,822 ~32:23/06/2020;33:US ~31:63/165,094 ~32:23/03/2021;33:US ~31:63/165,469 ~32:24/03/2021

2022/13793 ~ Complete ~54:SCREENING METHOD FOR A STRAIN OF AFLATOXIN-DEGRADING BACTERIA ~71:Hunan Agricultural University, No.1 Nongda Road, Furong District, Changsha City, Hunan Province, 410128, People's Republic of China ~72: Bi&#39;e TAN;Jie MA;Jie YIN;Ke HUANG;Miao ZHOU~

2022/13800 ~ Complete ~54:A COLD CHAIN SHIPPING CONTAINER ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, People's Republic of China ~72: Chao Xu;Zhouna Wang~

2022/13802 ~ Complete ~54:COOLING SYSTEM OF MAGNESIUM ALLOY AMORPHOUS MELT-SPINNING QUENCHING ROLLER ~71:Leshan Normal University, No.778 Binhe Road, Shizhong District, Leshan City, Sichuan, People's Republic of China;Longchang Branch company of Neijiang Xingyuan Power Group Co., Ltd., No. 288, Longlu Avenue, Jin&#39;e Town, Longchang City, Neijiang City, Sichuan Province, People's Republic of China;Sichuan Jianyang Energy Investment and Construction Development Co., Ltd., Floor 1, Building 9, No. 141-1, Dongxi Avenue, Shehongba sub district office, Jianyang City, Sichuan Province, People's Republic of China;Sichuan Mitria Huichuang Technology Co.,Ltd., Kao A-4-31, No. 1480, North Section of Tianfu Avenue, High tech Zone, Chengdu, Sichuan, People's Republic of China ~72: CAO Fenghong;CAO Yi;CHEN Yu;ZHANG Yong~

2022/13807 ~ Complete ~54:ARTIFICIAL INTELLIGENCE BASED SMART ANTENNA SYSTEM FOR GREEN COMMUNICATION ~71:BHADADE, Raghunath S., MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE



UNIVERSITY, DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: ANUSE, Alwin Damodar;BHADADE, Raghunath S.;KUTE, Rupali Sandip;MAHAJAN, Shrinivas Padmakar;MUNOT, Mousami Vaibhav;PURNAYE, Prasad Purushottam~

2022/13813 ~ Complete ~54:A MECHANICAL PROCESSING EQUIPMENT ROBOT ~71:Jiangsu College Of Safety Technology, No. 1, Yucai Road, Jiawang District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Fang Xiaoming;Wang Quan~ 33:CN ~31:202210619717.9 ~32:01/06/2022

2022/13814 ~ Complete ~54:A SYSTEM FOR HEALTH GUIDANCE ~71:BHANDARI, Mahesh Ashok, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;CHOUDHARI, Ganesh Bhaurao, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KULKARNI, Omkaresh Sakharam, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: BHANDARI, Mahesh Ashok;CHOUDHARI, Ganesh Bhaurao;KHATDEO, Himanshu Ajay;KSHIRSAGAR, Rajat Laxmikant;KSHITIJ, Papdeja Dipak;KULKARNI, Omkaresh Sakharam;PATIL, Tejas Pramod;SABANE, Nidhi Ajay;SUDHAME, Shantanu Shirish;VINODRAO, Aditya~

2022/13815 ~ Complete ~54:AN INTELLIGENT BEACON WITH NIGHTTIME INFRARED TELEMTRY WARNING ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Dinghai District, Zhoushan City, Zhejiang Province, 316021, People's Republic of China ~72: Li Yongguang;Zheng Kaiyu~

2022/13817 ~ Complete ~54:A SILICONE MATRIX BASED SOFT ACTUATOR ~71:DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;HIWALE, Anil S., FLAT NO. B-202, AISHWARYA RESIDENCY BUILDING-A, NEAR HOTEL AMBIENCE, WAKAD, PUNE, MAHARASHTRA, 411057, India;MOTADE, Sumitra N., F-502, PHASE 2, VENKATESH KSHITIJ, JAMBHULWADI ROAD, DATTANAGAR, AMBEGAON, KATRAJ, PUNE, MAHARASHTRA, 411048, India;NARKHEDE, Gaurav G., FLAT NO D401, MONT VERT BELAIR CHS, BHUGAON, PUNE, 412115, India;ZORE, Anuj, 202, ADHAR HEIGHTS, RAGHUJI NAGAR, PIPRI, WARDHA, 442001, India ~72: HIWALE, Anil S.;MOTADE, Sumitra N.;NARKHEDE, Gaurav G.;ZORE, Anuj~

2022/13820 ~ Complete ~54:DETECTION BAG FOR POTATO VIRUS SAMPLES AND PREPARATION METHOD THEREOF ~71:Institute of Industrial Crops of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin, Heilongjiang, 150000, People's Republic of China ~72: Di Guili;Fan Guoquan;Gao Yanling;Han Shuxin;Li Qingquan;Liu Kai;Ma Li;Wang Peng;Wang Wenjun;Wang Xianguo;Xiao Changwen;Yan Feng;Yu Jiang;Zhang Lei;Zhang Shu~

2022/13822 ~ Complete ~54:A METHOD AND SYSTEM FOR AUTHENTICATION BASED ON TIME-CALIBRATED DATA ~71:JingAn big data technology co., Ltd, 3402, Block A, Yonghe Longzi Lake Central Square, 200m east of the intersection of Ping'an Avenue and Boxue Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China ~72: Wang Yufei;Yang Zhenwei~

2022/13835 ~ Complete ~54:A HANGING BASKET FOR BUILDING CONSTRUCTION ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development

Zone, Daxing District, Beijing, People's Republic of China ~72: Ce WANG; Jiawei GU; Jing LI; Xiaosheng LUO; Ye LI~ 33:CN ~31:202221344752.6 ~32:30/05/2022

2022/13841 ~ Complete ~54:AN INTERCEPTING DEVICE FOR CONCRETE WITH HIGH AND LOW MARKINGS ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China; THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Jing LI; Lin LIU; Liu YAN; Ruifu Meng~ 33:CN ~31:202221039009.X ~32:28/04/2022

2022/13898 ~ Complete ~54:NOVEL CELL METABOLISM MODULATING COMPOUNDS AND USES THEREOF ~71:CRESCENTA BIOSCIENCES, 1075 Morris Avenue, Stem Building, Suite 403, Union, New Jersey, 07083, United States of America ~72: EMRE KOYUNCU; KIM HAHN~ 33:US ~31:63/045,079 ~32:27/06/2020

2022/13899 ~ Complete ~54:PROCESS FOR SEPARATING A MIXTURE OF OXALATES OF TWO OR MORE OF NI, CO, AND MN ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: JAN OLIVER BINDER; JUERGEN JANEK; SEAN CULVER; WOLFGANG G ZEIER~ 33:EP ~31:20183742.4 ~32:02/07/2020; 33:EP ~31:20187908.7 ~32:27/07/2020

2022/13902 ~ Complete ~54:MACROCYCLES AND THEIR USE ~71:BLOSSOMHILL THERAPEUTICS, INC., 3525 John Hopkins Court, Suite 100 San Diego, California 92121, United States of America ~72: JINGRONG JEAN CUI~ 33:US ~31:63/050,559 ~32:10/07/2020; 33:US ~31:63/143,569 ~32:29/01/2021; 33:US ~31:63/217,950 ~32:02/07/2021

2022/13860 ~ Complete ~54:METHODS, DEVICES, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR INTEGRATING STATE DATA FROM A PLURALITY OF SENSORS ~71:INNOSAPIEN AGRO TECHNOLOGIES PRIVATE LIMITED, 1704, Willowcrest, One Hiranandani Park, Ghodbunder Road, India ~72: NERKAR, Sarang Dilip~ 33:IN ~31:202021023194 ~32:02/06/2020

2022/13862 ~ Complete ~54:FOB SYSTEM FOR INTELLIGENT FLOW DETECTION AND DISPENSE CONTROL ~71:SESTRA SYSTEMS, INC., 45180 BUSINESS COURT, SUITE 100, STERLING, VA 20166, USA, United States of America ~72: GODA, Paras; KUSHNIR, Alex; VOLFTSUN, Lev~ 33:US ~31:63/029,585 ~32:25/05/2020; 33:US ~31:17/084,434 ~32:29/10/2020

2022/13868 ~ Complete ~54:TOILET AND INDIVIDUAL EXCRETA DISPOSAL SYSTEM INCLUDING SAME ~71:Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, SUWON-SI 16677, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: KIM, Ginam; KIM, Yongkwon; SHIN, Hyunsuk~ 33:US ~31:63/030,777 ~32:27/05/2020

2022/13870 ~ Complete ~54:RIB-LESS HOIST STRUCTURE FOR TRUCK BODY ~71:Caterpillar Inc., 100 NE Adams Street, PEORIA 61629-9510, IL, USA, United States of America ~72: ARUL, Samuel J.~ 33:US ~31:16/892,997 ~32:04/06/2020

2022/13875 ~ Complete ~54:CAST CULLET-BASED LAYER ON WALL PANEL FOR A MELTER ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: COBURN, Brian; RASHLEY, Shane~ 33:US ~31:16/993,825 ~32:14/08/2020

2022/13876 ~ Complete ~54:HIGH AFFINITY ANTIBODIES TARGETING TAU PHOSPHORYLATED AT SERINE 413 ~71:Merck Sharp & Dohme LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of

America ~72: BAKER, Jeanne E.;CHEN, Ming-Tang;CHENG, Alan C.;HSIEH, Chung-Ming;MIECZKOWSKI, Carl;PARMENTIER BATTEUR, Sophie;SUON, Sokreine~ 33:US ~31:63/044,291 ~32:25/06/2020

2022/13884 ~ Complete ~54:SOFT TISSUE IMPLANT SYSTEMS, INSTRUMENTS, AND RELATED METHODS ~71:Paragon 28, Inc., 14445 Grasslands Drive, ENGLEWOOD 80112, CO, USA, United States of America ~72: DEVASCONCELLOS, Paul;HARTSON, Kyle~ 33:US ~31:63/034,066 ~32:03/06/2020

2022/13887 ~ Complete ~54:SYSTEM AND METHOD FOR EXTRACORPOREAL BLOOD TREATMENT ~71:Gambro Lundia AB, Magistratsv&#228;gen 16, LUND 226 43, SWEDEN, Sweden ~72: FORSAL, Innas;HANCOCK, Viktoria;HOBRO, Sture;NILSSON, Anders~ 33:SE ~31:2050621-8 ~32:01/06/2020

2022/13792 ~ Provisional ~54:EXPLOSIVE COMPOSITION ~71:ENAEX AFRICA (PTY) LTD, First Floor, Atholl Towers, 129 Patricia Road, South Africa ~72: HUGO, Charlene;KRUGER, Francois;YOUNG, Cyril, Austin~

2022/13805 ~ Complete ~54:MULTI-GAS DETECTION SYSTEM BASED ON INTERNET OF THINGS ~71:Henan Bosean Electronic Technology Co., Ltd., Block&#160;10.&#160;Yida&#160;Technology&#160;New&#160;Park, No.&#160;16&#160;JinZhan&#160;Road, National High-Tech&#160;Zone, Zhengzhou City 450000, Henan&#160;Province, CHINA (P.R.C.), People's Republic of China ~72: BAI, Junwei;CAO, Zhenya;LI, Tengda;WEI, Jiabao;ZHOU, Lina~

2022/13816 ~ Complete ~54:A COLOR RECOGNITION SYSTEM FOR COLOR BLIND PEOPLE ~71:DIXIT, Bharti, SCHOOL OF COMPUTER ENGINEERING AND TECHNOLOGY, DR.VISHWANATH KARAD MIT-WORLD PEACE UNIVERSITY, S. N. 124, PAUD ROAD, KOTHRUD, PUNE, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KOLI, Abhishek, SCHOOL OF COMPUTER ENGINEERING AND TECHNOLOGY, DR.VISHWANATH KARAD MIT-WORLD PEACE UNIVERSITY, S. N. 124, PAUD ROAD, KOTHRUD, PUNE, 411038, India;SHEJUL, Anjali A., SCHOOL OF COMPUTER ENGINEERING AND TECHNOLOGY, DR.VISHWANATH KARAD MIT-WORLD PEACE UNIVERSITY, S. N. 124, PAUD ROAD, KOTHRUD, PUNE, 411038, India ~72: DIXIT, Bharti;KOLI, Abhishek;SHEJUL, Anjali A.~

2022/13818 ~ Complete ~54:AN IOT BASED SYSTEM FOR LOCATING AN ANIMAL IN THE WILD USING SPATIO-TEMPORAL DATA ~71:CHAKURKAR, Priti Swapnil, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;GIRASE, Sheetal, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: CHAKURKAR, Priti Swapnil;GIRASE, Sheetal;MEHER, Parshv Shekhar~

2022/13823 ~ Complete ~54:A NEW TYPE OF EXPANDED BODY GROUTING ANCHOR AND ITS CONSTRUCTION METHOD ~71:Henan University Of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: Chu Yapei;Li Zhendu;Liu Heng;Ma Yabing;Ren Mingyang;Shen Tong;Wang Qingguo;Zhai PanPan~

2022/13825 ~ Complete ~54:A SYSTEM FOR DETECTION OF PIPELINE LEAKAGE ~71:CHAKURKAR, Priti Swapnil, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: CHAKURKAR, Priti Swapnil;GAURAV, Raj;MEMON, Ahbaz Kader~

2022/13845 ~ Complete ~54:A LARGE-DIAMETER CIRCULAR COLUMN HOOP OF A TOWER CRANE ~71:CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town,

Tongzhou District, Beijing, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Delin ZHOU;Jiayu WANG;Jing LI;Junyan CHEN;Kun GAO;Mingsheng JIA;Qiang YUAN;Weihao YAO;Xiaoyan LIU;Xin LIU;Yueyu JIANG~ 33:CN ~31:20222747354.5 ~32:18/10/2022

2022/13849 ~ Complete ~54:BALLASTLESS TURNOUT FASTENER SYSTEM ~71:CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD, 4 Torch Road, Hi-tech Development Zone Baoji, People's Republic of China ~72: CHAI, Wenbo;LI, Wenbo;WANG, Ali;YUAN, Baojun;ZHANG, Haihua~ 33:CN ~31:202010488902.X ~32:02/06/2020

2022/13861 ~ Complete ~54:SOFTWARE-BASED ORCHESTRATION OF COMMUNICATION PAYLOADS IN SATELLITES ~71:KRATOS INTEGRAL HOLDINGS, LLC, 10680 TREENA STREET, 6TH FLOOR, SAN DIEGO, CALIFORNIA 92131, USA, United States of America ~72: DAUGHTRIDGE, Stuart;POTTER, Robert;QUIGGLE, Gregory, L.;SEMIAO, Anthony~ 33:US ~31:63/039,218 ~32:15/06/2020

2022/13864 ~ Complete ~54:INTELLIGENT CRUTCH ~71:Xiaohui Gao, Room 1204, Building 8, Yard 2, Yandi South Road, Shijingshan District, Beijing City, 100043, People's Republic of China ~72: Xiaohui Gao~ 33:CN ~31:202021703390.6 ~32:14/08/2020

2022/13866 ~ Complete ~54:N-CYANOPYRROLIDINES WITH ACTIVITY AS USP30 INHIBITORS ~71:Mission Therapeutics Limited, Babraham Hall, Babraham, CAMBRIDGE CB22 3AT, UNITED KINGDOM, United Kingdom ~72: KEMP, Mark Ian;LUCKHURST, Christopher Andrew;THOMPSON, Paul William~ 33:GB ~31:2008401.8 ~32:04/06/2020;33:GB ~31:2016689.8 ~32:21/10/2020;33:GB ~31:2101935.1 ~32:11/02/2021

2022/13871 ~ Complete ~54:METHOD FOR UNLOCKING VEHICLE DOOR USING MOBILE TERMINAL ~71:Allink Co., Ltd., (Yeouido-dong, O2 Tower), 4F,5F,6F,8F,17F,19F, 83, Uisadang-daero, Yeongdeungpo-gu, SEOUL 07325, REPUBLIC OF KOREA, Republic of Korea ~72: KIM, Kyung Dong~ 33:KR ~31:10-2020-0079340 ~32:29/06/2020

2022/13874 ~ Complete ~54:A CRUSHING OR WEAR PART HAVING A LOCALIZED COMPOSITE WEAR ZONE ~71:Sandvik SRP AB, SVEDALA 23381, SWEDEN, Sweden ~72: MELK, Latifa~

2022/13878 ~ Complete ~54:BOOM MOUNTED SPRAY NOZZLE ASSEMBLY WITH COMPACT MULTI SPRAY NOZZLE DESIGN ~71:Spraying Systems Co., North Avenue and Schmale Road, PO Box 7900, WHEATON 60187-7901, IL, USA, United States of America ~72: ARENSON, Marc;PRICE, Trevor;WINTER, Timothy~ 33:US ~31:63/040,756 ~32:18/06/2020

2022/13881 ~ Complete ~54:GLP-1 AND GIP RECEPTOR CO-AGONISTS ~71:Novo Nordisk A/S, Novo All#233;, BAGSV#198;RD 2880, DENMARK, Denmark ~72: DIMARCHI, Richard;FINAN, Brian;KNERR, Patrick J.;LIU, Fa~ 33:US ~31:63/055,063 ~32:22/07/2020;33:EP ~31:20192415.6 ~32:24/08/2020

2022/13886 ~ Complete ~54:MAGNETIC ASSEMBLIES AND METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING ORIENTED PLATELET-SHAPED MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: BAUDRAZ, Christophe;DESPLAND, Claude-Alain;LOGINOV, Evgeny~ 33:EP ~31:20176506.2 ~32:26/05/2020

2022/13893 ~ Complete ~54:SYSTEM AND METHOD FOR THE SELECTIVE EXTRACTION OF VISCOUS HYDROCARBONS FROM TANKS AND OTHER CONTAINERS ~71:CARRERES Y ASOCIADOS GESTORA EN INMOBILIARIA Y MEDIO AMBIENTE, SL, Cam#237; Vell d#39;Almoester, Parcela 55, finca no. 6044 43470 La

Selva del Camp, Spain; FONTECHA CUETOS, Evaristo, C/ Narciso Cuevas, 17, 3rD 39010, Spain ~72: FONTECHA CUETOS, Evaristo~ 33:ES ~31:P202030521 ~32:03/06/2020

2022/13894 ~ Complete ~54:TETANUS VACCINE PLATFORM FOR EMBEDDING COVID-19 VACCINE ~71:PRIME BIO, INC., 86-410a Faunce Corner Mall Road North Dartmouth, Massachusetts, 02747, United States of America ~72: BAL RAM SINGH;KRUTI PATEL;RAJ KUMAR~ 33:US ~31:63/032,544 ~32:30/05/2020

2022/13865 ~ Complete ~54:N-(1-CYANO-PYRROLIDIN-3-YL)-5-(3-(TRIFLUOROMETHYL)PHENYL)OXAZOLE-2-CARBOXAMIDE DERIVATIVES AND THE CORRESPONDING OXADIAZOLE DERIVATIVES AS USP30 INHIBITORS FOR THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION ~71:Mission Therapeutics Limited, Babraham Hall, Babraham, CAMBRIDGE CB22 3AT, UNITED KINGDOM, United Kingdom ~72: KEMP, Mark Ian;LUCKHURST, Christopher Andrew;THOMPSON, Paul William~ 33:GB ~31:2008051.1 ~32:28/05/2020;33:GB ~31:2016709.4 ~32:21/10/2020

2022/13829 ~ Complete ~54:A SYSTEM BASED ON THERMAL IMAGING AND IMAGE PROCESSING FOR ANALYZING DISEASE AND DISORDER ~71:A., Shashishankar, PROFESSOR AND HEAD, DEPARTMENT OF CIVIL ENGINEERING, AMC ENGINEERING COLLEGE, (AFFILIATED TO VTU), BANNERGHATTA ROAD, BENGALURU, 560083, India;ARCHANA, Kande, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, MALLA REDDY INSTITUTE OF ENGINEERING AND TECHNOLOGY(MRIET) & RESEARCH SCHOLAR AT JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD, TELANGANA, 500085, India;BHAT, Sathyendra, ASSISTANT PROFESSOR, DEPARTMENT OF MCA, ST JOSEPH ENGINEERING COLLEGE, VAMANJOOR, MANGALURU, KARNATAKA, 575028, India;KULSHRESTHA, Vartika, ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, ALLIANCE UNIVERSITY, BANGALORE, KARNATAKA, 560076, India;NALLATHAMBI, Amuthan, PROFESSOR, DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, AMC ENGINEERING COLLEGE, BANNERGHATTA ROAD, BENGALURU, KARNATAKA, 560083, India;NALLATHAMBI, Siva Kumar, 39D/3A, VIVEKANANDAR SALAI, HOUSING BOARD COLONY, SARAKKALVILLAI, NAGERCOIL, TAMIL NADU, 629002, India;RAIGONDA, Megha Rani, ASSISTANT PROFESSOR, DEPARTMENT OF MCA, VTU CPGS, KALABURAGI, KARNATAKA, 585105, India;S., Nirmala, PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AMC ENGINEERING COLLEGE, BANNERGHATTA ROAD, BENGALURU, KARNATAKA, 560083, India;SHASTRI, Swaroopa, ASSISTANT PROFESSOR, DEPARTMENT OF MCA, VTU CPGS, KALABURAGI, KARNATAKA, 585105, India;SHREE, N. Deepa, ASSISTANT PROFESSOR DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING, AMC ENGINEERING COLLEGE, BANGALORE, 560083, India ~72: A., Shashishankar;ARCHANA, Kande;BHAT, Sathyendra;KULSHRESTHA, Vartika;NALLATHAMBI, Amuthan;NALLATHAMBI, Siva Kumar;RAIGONDA, Megha Rani;S., Nirmala;SHASTRI, Swaroopa;SHREE, N. Deepa~

2022/13837 ~ Complete ~54:A FABRICATED MEMBER FOR BUILDINGS ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtuo Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Bo LV;Qiming ZENG;Sheng ZHAN;Xiaoyan LIU;Yaxun GOU~ 33:CN ~31:202210905860.4 ~32:29/07/2022

2022/13847 ~ Complete ~54:A THREADING CONSTRUCTION DEVICE FOR ELECTRICAL ENGINEERING ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtuo Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND

ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Chuangdong MA;Fengxiang LIU;He HUANG;Jing LI;Lei YANG;Nianduo SONG;Wei ZHU;Yanbo FENG;Yanxin JIAN;Zheng XU~ 33:CN ~31:202221380066.4 ~32:02/06/2022

2022/13852 ~ Complete ~54:SUSCEPTOR ASSEMBLY COMPRISING ONE OR MORE COMPOSITE SUSCEPTOR PARTICLES ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: MIRONOV, Oleg~ 33:EP ~31:20178515.1 ~32:05/06/2020

2022/13859 ~ Complete ~54:AUDIO DECODER, AUDIO ENCODER, AND RELATED METHODS USING JOINT CODING OF SCALE PARAMETERS FOR CHANNELS OF A MULTI-CHANNEL AUDIO SIGNAL ~71:FRAUNHOFER-GESELLSCHAFT ZUR F&#214;RDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: D&#214;HLA, Stefan;FOTOPOULOU, Eleni;KIENE, Jan Frederik;MARKOVIC, Goran;RAVELLI, Emmanuel (Deceased);REUTELHUBER, Franz~ 33:EP ~31:20184555.9 ~32:07/07/2020

2022/13794 ~ Complete ~54:CHLOROPHYLL CONTENT SPECTROMETRY ~71:Henan Agricultural University, Agricultural Road No. 63, Jinshui District, Zhengzhou City, Henan Province, People's Republic of China ~72: HU Jiandong;WANG Ling;WU Junfeng;ZHANG Hao~

2022/13795 ~ Complete ~54:ACCURATE IDENTIFICATION METHOD OF PHENOTYPIC TRAITS AND GENE EFFECTS IN MOLECULAR BREEDING FIELD ~71:Shandong Huatian Agricultural Science and Technology Co., Ltd, Exhibition Street, Xincheng Street, Feicheng City, Taian City, Shandong Province, People's Republic of China ~72: DENG Zhiying;PENG Li;TIAN Jichun;WANG Yanxun;YANG Ming;ZHANG Bingqian~

2022/13808 ~ Complete ~54:A SMART AND SECURE VOTING SYSTEM ~71:BHATTACHARYA, Mohor Pranay, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;BHOSALE, Poonam, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KOSHAL, Prabhuti Piyush, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;MATHUR, Shubhang Aneesh, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;PANDIT, Ritesh Roop Krishan, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India ~72: BHATTACHARYA, Mohor Pranay;BHOSALE, Poonam;KOSHAL, Prabhuti Piyush;MATHUR, Shubhang Aneesh;PANDIT, Ritesh Roop Krishan~

2022/13900 ~ Complete ~54:ENERGY STORAGE AND DELIVERY SYSTEM AND METHOD ~71:ENERGY VAULT, INC., 4360 Park Terrace Dr., Suite 100, Westlake Village, California, 91361, United States of America ~72: ANDREA PEDRETTI;MAURO PEDRETTI-RODI~ 33:US ~31:63/046,187 ~32:30/06/2020

2022/13903 ~ Complete ~54:ANTIBODY MOLECULES TO APRIL AND USES THEREOF ~71:VISTERRA, INC., 275 2nd Avenue 4th Floor Waltham, Massachusetts, 02451, United States of America ~72: ANDREW M WOLLACOTT;ASHER SCHACHTER;BOOPATHY RAMAKRISHNAN;GREGORY BABCOCK;HEDY ADARI-HALL;JAMES R MYETTE;JILL YARBROUGH;KARTHIK VISWANATHAN;MOHIT MATHUR;ZACHARY SHRIVER~ 33:US ~31:63/043,558 ~32:24/06/2020;33:US ~31:63/091,002 ~32:13/10/2020;33:US ~31:63/136,950 ~32:13/01/2021;33:US ~31:63/195,527 ~32:01/06/2021

2022/13801 ~ Complete ~54:A NEW TYPE OF NAVIGATION DATA ACQUISITION SYSTEM ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Mingjun Ye;Yongguang Li~

2022/13834 ~ Complete ~54:A HEIGHT-ADJUSTABLE CONSTRUCTION SUPPORTING FRAME ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Jindeng LIAO;Lihuan WANG;Minghe XUE;Xiaosheng LUO;Yu YANG~ 33:CN ~31:202221509081.4 ~32:15/06/2022

2022/13850 ~ Complete ~54:BIOREMEDIATION SYSTEMS FOR WASTEWATER TREATMENT AND METHODS FOR THE USE THEREOF ~71:CEMVITA FACTORY, INC., 9350 Kirby Drive, Suite 200, Houston, Texas, 77054, United States of America ~72: DA SILVA, Marcio Luis Busi;KARIMI, Tahereh;NGUYEN, Truong Huu~ 33:US ~31:63/049,498 ~32:08/07/2020

2022/13857 ~ Complete ~54:NASAL HYGIENE COMPOSITIONS, ANTIMICROBIAL TREATMENTS, DEVICES, AND ARTICLES FOR DELIVERY OF SAME TO THE NOSE, TRACHEA AND MAIN BRONCHI ~71:SENSORY CLOUD, INC., 50 Milk Street, 16th Floor, United States of America ~72: AUSIELLO, Dennis Arthur;DEVLIN, Thomas E.;EDWARDS, David A.~ 33:US ~31:63/048,421 ~32:06/07/2020;33:US ~31:63/121,448 ~32:04/12/2020;33:US ~31:63/130,099 ~32:23/12/2020;33:US ~31:17/139,401 ~32:31/12/2020

2022/13790 ~ Provisional ~54:LOCKABLE HANDLE ASSEMBLY FOR A LATCH-BOLT ~71:Sanick Joseph Mallum, 43 Oakland Hill Road, Parlands 7441, Cape Town, South Africa ~72: Keith Wyness;Sanick Joseph Mallum~

2022/13796 ~ Complete ~54:ROTARY MILL WITH THREE DEGREES OF FREEDOM ~71:Taiyuan University of Science and Technology, No.66, Waliu Road, Wanbailin District, Taiyuan City, Shanxi Province, People's Republic of China ~72: BAI Qiaofeng;BIAN Qiang;LI Weizhuang;WANG Chen;XU Yiwei;YANG Tao;ZHAO Chunjiang;ZHOU Zipeng~

2022/13788 ~ Provisional ~54:INVENTION OF AN INTELLIGENT DOOR STATUS SENSOR FOR SECURITY APPLICATIONS ~71:Charl van Niekerk, PLOT 3, GLEN MARAIS, South Africa;Paul Stefanus Millard, PLOT 3, GLEN MARAIS, South Africa ~72: Charl van Niekerk;Paul Stefanus Millard~ 33:ZA ~31:5/00 ~32:19/12/2022

2022/13789 ~ Provisional ~54:VITAL SIGN MONITORING USING SENSORS IN AN EARPIECE DEVICE ~71:FOURIE, Pieter Rousseau, 7 Buffalo Street, Vygeboom, South Africa ~72: FOURIE, Pieter Rousseau~

2022/13799 ~ Complete ~54:A KIND OF HIGH-SPEED PASSENGER ELECTRIC HOVERCRAFT ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Feijun Guo;Jun Pang;Meng Liu;Minghai Dong;Mingwei Xu;Sheng Ye;Tianming Yan;Xuefeng Wang;Yongsheng Guo;Zailiang Liu~ 33:CN ~31:202211390777.4 ~32:07/11/2022

2022/13832 ~ Complete ~54:A CONSTRUCTION METHOD FOR COMPLEX FOUNDATION PIT SUPPORT ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Guipeng LIN;Weiyi ZHANG;Xiaosheng LUO;Yugui LI~ 33:CN ~31:202210730842.7 ~32:24/06/2022

2022/13833 ~ Complete ~54:A PROTECTIVE DEVICE AND ASSEMBLING METHOD ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST

CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Jiaxing LU;Juncheng LI;Mingsheng JIA;Xiaoya JIANG;Xiaoyan LIU;Yunrui JIANG;Zhongshu GONG~ 33:CN ~31:202210443523.8 ~32:25/04/2022

2022/13836 ~ Complete ~54:A PIPE NETWORK INSPECTION WELL MOLD ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Chao DU;Jianghan WANG;Kunpeng ZHOU;Li AN;Qilei ZHOU;Quan QUAN;Ruixing SHI;Weiguang SHI;Xiaosheng LUO~ 33:CN ~31:202221045383.0 ~32:29/04/2022

2022/13840 ~ Complete ~54:A SUPPORT DEVICE WITH A BUFFER PROTECTION MECHANISM ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Ce WANG;Jiawei GU;Jing LI;Xiaosheng LUO;Ye LI~ 33:CN ~31:202221232335.2 ~32:19/05/2022

2022/13844 ~ Complete ~54:A METHOD FOR CONSTRUCTING JOINTED DRAINPIPES ON PREFABRICATED EXTERIOR WALLS OF PREFABRICATED CONCRETE BUILDINGS ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Haolin RONG;Jing LI;Panyin TIAN;Xiaoyan LIU;Xin LI;Yajun ZHAO;Yujin ZHENG~ 33:CN ~31:202211156974.X ~32:21/09/2022

2022/13848 ~ Complete ~54:A SPLICING GUIDE WALL ~71:CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town, Tongzhou District, Beijing, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Bohan YANG;Heng WANG;Jing LI;Xiang WU;Xiangxing ZHANG;Xuanlang TANG;Yanbo FENG;Zhengkai XU~ 33:CN ~31:202221012222.1 ~32:27/04/2022

2022/13851 ~ Complete ~54:MODIFIED VINYL SILANE AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:SHANDONG SILICON TECHNOLOGY NEW MATERIAL CO. , LTD., Jining Chemical Industry Park, Huji Town, Jinxiang County, Jining, Shandong, 272200, People's Republic of China ~72: KONG, Fanzhen;KONG, Linggang;LI, Hanghang;LI, Pengtao;LU, Haifeng;QI, Shilin;QU, Yuan;YANG, Tiantian~ 33:CN ~31:202210011879.4 ~32:07/01/2022

2022/13856 ~ Complete ~54:AQUEOUS CAPSULE SUSPENSION CONCENTRATES COMPRISING BIODEGRADABLE ESTER GROUPS ~71:BAYER AKTIENGESELLSCHAFT, Kaiser-Wilhelm-Allee 1, Leverkusen, Germany ~72: EGGER, Holger;KRAUSE, Jens~ 33:EP ~31:20182559.3 ~32:26/06/2020



2022/13858 ~ Complete ~54: BIOLOGICAL AND ALGAE HARVESTING AND CULTIVATION SYSTEMS AND METHODS ~71: GLOBAL ALGAE TECHNOLOGY, LLC, 10704 Prospect Avenue, Suite C, United States of America ~72: HAZLEBECK, David A.; RICKMAN, William ~ 33: US ~31: 16/896,632 ~32: 09/06/2020

2022/13798 ~ Complete ~54: SHIP ANCHOR ROD DEFORMATION CORRECTING AND REPAIRING METHOD ~71: Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Huihua Xu; Jianqiang Wu; Zailiang Liu; Zhen Shen ~ 33: CN ~31: 202210234724.7 ~32: 11/03/2022

2022/13804 ~ Complete ~54: HETEROPOLYACID/CO<sub>2</sub>-BASED CATALYST FOR LOW-TEMPERATURE DENITRATION AND REMOVAL OF H<sub>2</sub>O AND PREPARATION METHOD AND APPLICATION THEREOF ~71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, People's Republic of China ~72: DONG, Danyan; FU, Yongmei; GENG, Hongchao; GU, Deming; GUO, Yifei; HUANG, Qiaoyang; HUANG, Zhenzhen; JIANG, Libin; KANG, Haiyan; LI, Jiebing; LI, Ka; LIU, Biao; LIU, Pan; MAO, Yanli; PANG, Dandan; QU, Zhichao; SONG, Zhongxian; WANG, Kai; YAN, Xiaole; YAN, Xu; ZHAI, Daning; ZHANG, Jinhui; ZHANG, Xia; ZHU, Xinfeng ~

2022/13809 ~ Complete ~54: A SYSTEM FOR HEALTHCARE EMERGENCY DATA TRANSMISSION IN INTERNET OF VEHICLE THINGS ~71: DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India; NEMADE, Chetana Hemant, A5/202, SWARGANGA SOCIETY, VALLABH NAGAR, PIMPRI, PUNE, MAHARASHTRA, 411018, India ~72: NEMADE, Chetana Hemant; PUJERI, Uma ~

2022/13824 ~ Complete ~54: AN ENVIRONMENTALLY FRIENDLY AND ENERGY EFFICIENT HIGH CONVERSION RARE EARTH CATALYST ROASTING DEVICE ~71: Xuzhou Vocational College of Bioengineering, No. 297, West Third Ring Road, Xuzhou City, Jiangsu Province, People's Republic of China ~72: He Feng; Liu Shaopeng; Qiang Chengkui; Sun Yunli ~ 33: CN ~31: 202210635137.9 ~32: 07/06/2022

2022/13827 ~ Complete ~54: AUTONOMOUS HUMAN FOLLOWING ROBOT FOR LOAD CARRYING ASSISTANCE ~71: DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA 411038, India; PANDE, Himangi Milind, E103, INDRADHANU, BEHIND VANAZ COMPANY, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, India ~72: ABHANG, Tejas Dnyaneshwar; AMUNE, Amruta Chandrakant; MUSALE, Vinayak Prabhakar; PANDE, Himangi Milind; RAUT, Umesh Kisan; SHRIKAR, Anay ~

2022/13830 ~ Complete ~54: SYSTEMS AND METHODS FOR MOBILE DEVICE ANALYSIS OF NUCLEIC ACIDS AND PROTEINS ~71: NANOBIOSYM INC., 245 First Street, 18th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: ANITA GOEL ~ 33: US ~31: 61/790,354 ~32: 15/03/2013; 33: US ~31: 61/875,661 ~32: 09/09/2013; 33: US ~31: 61/951,084 ~32: 11/03/2014

2022/13838 ~ Complete ~54: A TRANSPORTATION DEVICE USED IN A HOSPITAL BUILDING CONSTRUCTION SITE ~71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town, Tongzhou District, Beijing, People's Republic of China; THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Chao CHEN; Han ZHANG; Jing LI; Junhong HE; Liying SHANG; Pengfei LI; Qingsong OU; Zhongmao WU ~ 33: CN ~31: 202221652389.4 ~32: 28/06/2022

2022/13839 ~ Complete ~54: A DEVICE FOR PAINTING EXTERIOR WALLS OF A HOSPITAL CONSTRUCTION ~71: CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town, Tongzhou District, Beijing, People's Republic of China; THE FIRST CONSTRUCTION ENGINEERING COMPANY

LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Chao CHEN;Han ZHANG;Jing LI;Junhong HE;Liyong SHANG;Pengfei LI;Qingsong OU;Zhongmao WU~ 33:CN ~31:202210762098.9 ~32:29/06/2022

2022/13828 ~ Complete ~54:AN IOT BASED SMART FAUCET WITH GUI ~71:DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;JAGTAP, Vandana Swapnil, D-502, BHANSALI CAMPUS, NEAR SINHAGAD INSTITUTE, WADGAON (BU), PUNE, MAHARASHTRA, India;PATIL, Seema Jitendra, C-301, KUNAL BELLEZA, LMD CHOWK, BEHIND MARATHA MANDIR, BAVDHAN, PUNE-411021, MAHARASHTRA, India ~72: BHALERAO, Rutvik;BHARGAVA, Yash;BHOIREKAR, Atharva;BHUJADE, Atharv;JAGTAP, Vandana Swapnil;PATIL, Seema Jitendra~

2022/13831 ~ Complete ~54:RNA-GUIDED NUCLEASES AND ACTIVE FRAGMENTS AND VARIANTS THEREOF AND METHODS OF USE ~71:LIFEEDIT THERAPEUTICS, INC., P.O. Box 14069, Durham, North Carolina, 27709, United States of America ~72: ALEXANDRA BRINER CRAWLEY;MICHAEL COYLE;RODOLPHE BARRANGOU;TEDD D ELICH;TYSON D BOWEN~ 33:US ~31:62/680,845 ~32:05/06/2018;33:US ~31:62/680,846 ~32:05/06/2018;33:US ~31:62/680,853 ~32:05/06/2018;33:US ~31:62/680,859 ~32:05/06/2018;33:US ~31:62/680,862 ~32:05/06/2018;33:US ~31:62/680,863 ~32:05/06/2018;33:US ~31:62/686,901 ~32:19/06/2018;33:US ~31:62/805,041 ~32:13/02/2019;33:US ~31:62/805,045 ~32:13/02/2019

2022/13846 ~ Complete ~54:A REINFORCEMENT DEVICE USED IN A CANTILEVERED SCAFFOLD ~71:CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town, Tongzhou District, Beijing, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Delin ZHOU;Jiayu WANG;Jing LI;Junyan CHEN;Kun GAO;Mingsheng JIA;Qiang YUAN;Weihao YAO;Xiaoyan LIU;Xin LIU;Yueyu JIANG~ 33:CN ~31:202211275832.5 ~32:18/10/2022

2022/13853 ~ Complete ~54:ON-LOAD TAP CHANGER AND METHOD FOR ACTUATING AN ON-LOAD TAP CHANGER ~71:MASCHINENFABRIK REINHAUSEN GMBH, Falkensteinstra&#223;e 8, 93059 Regensburg, Germany ~72: HAMMER, Christian~ 33:DE ~31:10 2020 119 344.0 ~32:22/07/2020

2022/13854 ~ Complete ~54:FUEL COMPOSITION ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: BALTHASAR, Felix, Johannes;HEMBERGER, Yasmin, Verena;STRUNK, Jens~ 33:EP ~31:20186637.3 ~32:20/07/2020

2022/13863 ~ Complete ~54:PROBIOTIC FOR THE TREATMENT OF INFERTILITY AND RECURRENT PREGNANCY LOSS ~71:BIOSEARCH, S.A., CAMINO DE PURCHIL, 66, E-18004 GRANADA, SPAIN, Spain ~72: ALBA RUBIO, Claudio;ARROYO RODR&#205;GUEZ, Rebeca;CASTRO NAVARRO, Irma;FERN&#193;NDEZ &#193;LVAREZ, Le&#243;nides;RODR&#205;GUEZ G&#211;MEZ, Juan, Miguel~

2022/13880 ~ Complete ~54:TRIAZOLE DERIVATIVES AND THEIR USE AS TANKYRASE INHIBITORS. ~71:Oslo Universitetssykehus HF, PO Box 4950, Nydalen, OSLO N-0424, NORWAY, Norway;University of Oulu, PO Box 800, 90014, FINLAND, Finland ~72: KRAUSS, Stefan;LEENDERS, Ruben Gerardus George;LEHTIO, Lari;WAALER, Jo;WEGERT, Anita~ 33:GB ~31:2010359.4 ~32:06/07/2020

2022/13843 ~ Complete ~54:A DEVICE FOR SPRAYING DUST AND REDUCING TEMPERATURE ON A CONSTRUCTION WORK SURFACE ~71:CHINA CONSTRUCTION SECOND ENGINEERING BUREAU LTD., No. 251 Beiyangwa, Liyuan Town, Tongzhou District, Beijing, People's Republic of China;THE FIRST

CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Baihui SU;Dongqiang HUANG;Jiawei CHENG;Jie LU;Mingyang LI;Peng LI;Peng ZHANG;Xiaosheng LUO;Xingmei CHEN~ 33:CN ~31:202220958804.2 ~32:24/04/2022

2022/13855 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING HEMOPHILIA ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: ANDERSSON, Shauna;DASMAHAPATRA, Pronabesh;MEI, Baisong;YU, Qifeng~ 33:US ~31:63/042,390 ~32:22/06/2020

2022/13869 ~ Complete ~54:SOLID FECES TREATMENT APPARATUS AND INDIVIDUAL FECES TREATMENT SYSTEM INCLUDING SAME ~71:Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, SUWON-SI 16677, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHANG, Wonsuk;KIM, Ginam;KIM, Mijong;KIM, Yongkwon;SHIN, Hyunsuk~ 33:US ~31:63/030,749 ~32:27/05/2020

2022/13879 ~ Complete ~54:AUTOMATED SAMPLE PREPARATION PLATFORM FOR CELLULAR ANALYSIS ~71:Beckman Coulter, Inc., 250 S. Kraemer Boulevard, BREA 92821, CA, USA, United States of America ~72: AMUNDARAIN, Jesus;BOEHMLER, Andreas;BOUVIER, Gaele;FAYE, David;FLAGLER, Daniel J.;FUENTES, Eduardo Flores~ 33:US ~31:63/050,637 ~32:10/07/2020

2022/13885 ~ Complete ~54:SAPONIN DERIVATIVES FOR USE IN MEDICINE ~71:Sapreme Technologies B.V., Antonie van Leeuwenhoeklaan 9, Building A12-1, BILTHOVEN 3721, MA, THE NETHERLANDS, Netherlands ~72: FUCHS, Hendrik;HERMANS, Guy;POSTEL, Ruben~ 33:NL ~31:2025904 ~32:24/06/2020;33:IB ~31:2020/071045 ~32:24/07/2020

2022/13890 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING PSYCHIATRIC DISORDERS OR SYMPTOMS THEREOF ~71:PsyRx Ltd., 31 Jabotinsky, HOLON 5827714, ISRAEL, Israel ~72: HOLZER, Asher~ 33:US ~31:63/046,791 ~32:01/07/2020

2022/13891 ~ Complete ~54:PROTEINS COMPRISING CD3 ANTIGEN BINDING DOMAINS AND USES THEREOF ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: BHATT, Triveni K.;BRITTINGHAM, Raymond;BRODEUR, Scott R.;FELDKAMP, Michael Dennis;GANESAN, Rajkumar;HOOVER, Jaclyn;JACOBS, Steven A.;KANE, Colleen M.;LA PORTE, Sherry Lynn;LUO, Jinqun;SINGH, Sanjaya;YI, Fang;ZWOLAK, Adam~ 33:US ~31:63/030,448 ~32:27/05/2020;33:US ~31:63/057,958 ~32:29/07/2020;33:US ~31:63/094,931 ~32:22/10/2020

2022/13896 ~ Complete ~54:FASTENING APPARATUS FOR FASTENING SOLAR MODULES ~71:SCHLETTER INTERNATIONAL B.V., Herikerbergweg 88, 1101, Amsterdam, Netherlands ~72: BERNHARD SCHMID;CEDRIK ZAPFE~ 33:DE ~31:10 2020 116 376.2 ~32:22/06/2020

2022/13901 ~ Complete ~54:ANTIFOLATE LINKER-DRUGS AND ANTIBODY-DRUG CONJUGATES ~71:BYONDIS B.V., Microweg 22, 6545CM, Nijmegen, Netherlands ~72: DENNIS CHRISTIAN JOHANNES WAALBOER;JOHANNES ALBERTUS FREDERIKUS JOOSTEN;RONALD CHRISTIAAN ELGERSMA;TIJL HUIJBREGTS~ 33:EP ~31:20184177.2 ~32:06/07/2020;33:EP ~31:21176011.1 ~32:26/05/2021

2022/13905 ~ Complete ~54:SYSTEM AND METHOD FOR MONITORING MOVEMENT OF A CRUSHER HEAD ~71:METSO OUTOTEC USA INC., 275 N. Corporate Drive, United States of America ~72: URBINATTI, Victor G.~ 33:US ~31:16/916,314 ~32:30/06/2020

2022/13797 ~ Complete ~54:DRIP IRRIGATION FILTRATION SYSTEM SUITABLE FOR "TWO SEASONS A YEAR" CROP PLANTING ~71:XINJIANG AGRICULTURAL UNIVERSITY, No.311, Nongda East Road, Sayibak

District, Urumqi City, Xinjiang Autonomous Region, People's Republic of China ~72: HONG Ming;JIN Yu;LIU Feng;MA Liang;ZHAO Jinghua;ZHU Yinfei~

2022/13803 ~ Complete ~54:ROAD ELECTRIC-POWER GENERATION DEVICE BASED ON A SPEED BUMP ~71:SHANGHAI MARITIME UNIVERSITY, 1550 Haigang Avenue, Pudong New District, People's Republic of China ~72: LIN, Yechun;SHEN, Yuansheng;XUE, Song~

2022/13806 ~ Complete ~54:EQUIPMENT AND METHOD FOR INACTIVATING PATHOGENS IN BLOOD COMPONENTS BY RIBOFLAVIN PHOTOCHEMICAL METHOD ~71:Institute of Blood Transfusion Chinese Academy of Medical Sciences, No. 26, Huacai Road, Chenghua District, CHENGDU CITY 610052, SICHUAN PROVINCE, CHINA (P.R.C.), People's Republic of China ~72: LI, Ling;LIU, Zhong;WANG, Jue;YIN, Yundi~

2022/13810 ~ Complete ~54:A SYSTEM FOR URINARY INCONTINENCE USING MACHINE LEARNING ~71:DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;LODHE, Urvik Vinod, 07, STATE BANK COLONY, LALBAGH ROAD, BURHANPUR, MADHYA PRADESH, 450331, India;UNTAWALE, Gaurav Shripad, D2-1004, SATIN HILLS, BAVDHAN KHURD, PUNE, MAHARASHTRA, 411021, India ~72: LODHE, Urvik Vinod;UNTAWALE, Gaurav Shripad~

2022/13811 ~ Complete ~54:A SEMANTIC IMAGE COMPRESSION SYSTEM USING CNN ~71:DESHMUKH, Minal Samir, VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY SURVEY NO. 2/3/4, VIM PRIVATE RD KAPIL NAGAR, KONDHWA PUNE, MAHARASHTRA, 411048, India;DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;KHANDEKAR, Prasad Dattakumar, PLOT 9B, MANVENDRANAGAR SOCIETY, S NO 10, TALJAI PATHAR, DHANKAWDI, PUNE, MAHARASHTRA, 411043, India;NAGARSENKER, Anish, F-2, ADWALPALKAR HOMES &#39;A&#39;, BEHIND SHANKAR TEMPLE, SHANKARWADI, TALEIGAO, GOA, 403002, India ~72: DESHMUKH, Minal Samir;KHANDEKAR, Prasad Dattakumar;NAGARSENKER, Anish~

2022/13812 ~ Complete ~54:A SYSTEM TO ACCESS OF INTERNET BASED SEARCH USING KEYPAD PHONE ~71:DR. VISHWANATH KARAD MIT-WORLD PEACE UNIVERSITY, MIT WORLD PEACE UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;NATH, Deepa Soumik, SCHOOL OF ECE, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, PUNE, MAHARASHTRA, India ~72: NATH, Deepa Soumik;THAKUR, Akshay~

2022/13904 ~ Complete ~54:ANTI-IL-36R ANTIBODIES FOR THE TREATMENT OF NEUTROPHILIC DERMATOSES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: FINE, Jay;LAMAR, Janine;PADULA, Steven John;RAMANUJAM, Meera;VISVANATHAN, Sudha~ 33:US ~31:63/053,129 ~32:17/07/2020

2022/13791 ~ Provisional ~54:NON-RETURN VALVES ~71:Stelkon (Pty) Ltd, 70 Simmentaler Street, South Africa ~72: DUVENAGE, Rienzi~

2022/13819 ~ Complete ~54:CLEANING DEVICE OF ULTRATHIN SLICER DIAMOND CUTTER FOR RESEARCH OF PLANT PATHOLOGY ULTRASTRUCTURE ~71:Institute of Industrial Crops of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin, Heilongjiang, 150000, People's Republic of China ~72: Di Guili;Fan Guoquan;Gao Yanling;Han Shuxin;Li Qingquan;Liu Kai;Ma Li;Wang Peng;Wang Wenjun;Wang Xianguo;Xiao Changwen;Yan Feng;Yu Jiang;Zhang Lei;Zhang Shu~

2022/13821 ~ Complete ~54:A SYSTEM FOR CROWD DENSITY ESTIMATION AND ANALYTICS USING THERMAL CAMERA ~71:DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, MIT WORLD PEACE

UNIVERSITY S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;GOHOKAR, Vinaya, MIT-WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;JOSHI, Atharva, G8/302, GANGA DHAM PH -2, MARKET YARD, BIBWEWADI - KONDHWA ROAD, PUNE, MAHARASHTRA, 411037, India;SHARMA, Shubham, E1-20, SHIRINE GARDEN, ITI ROAD, AUNDH, PUNE, 411007, India;SHELKE, Abhishek, C-2 FLAT 202, SHIVRANJAN TOWERS, SOMESHWARWADI, PASHAN, PUNE, 411008, India ~72: GOHOKAR, Vinaya;JOSHI, Atharva;SHARMA, Shubham;SHELKE, Abhishek~

2022/13826 ~ Complete ~54:AN ANTI DRONE SYSTEM FOR SMART CITIES ~71:DR.VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, DR. VISHWANATH KARAD MIT WORLD PEACE UNIVERSITY, S.NO.124, PAUD ROAD, KOTHRUD, PUNE, MAHARASHTRA, 411038, India;INTWALA, Krunal, HOSE NO. 53, LDB SOMNATH ROAD BILIMORA, 396321, India;KOLHE, Kishor R., FLAT NO. 7, "ANURAG" APARTMENT, PLOT NO. 79, SR. NO. 95, RIGHT BHUSARI COLONY, KOTHRUD DEPOT, PUNE, MAHARASHTRA, 411038, India ~72: INTWALA, Krunal;KOLHE, Kishor R.;PAWAR, Rajendra G.~

2022/13842 ~ Complete ~54:A SORTING DEVICE FOR CONSTRUCTION WASTE ~71:China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., Room 2407-08, Chuangtou Mansion, No. 9 Tengfei Road, Longgang District, Shenzhen, People's Republic of China;THE FIRST CONSTRUCTION ENGINEERING COMPANY LTD. OF CHINA CONSTRUCTION SECOND ENGINEERING BUREAU, Floors 1-7, Building 1, Yard 9, Kechuang 4th Street, Beijing Economic and Technological Development Zone, Daxing District, Beijing, People's Republic of China ~72: Cong XIA;Jing LI;Quanbing HUANG;Xiaoya JIANG;Zhen LIU~ 33:CN ~31:202221345277.4 ~32:31/05/2022

2022/13867 ~ Complete ~54:HOME TOILET WASTE TREATMENT SYSTEM COMPRISING BIO-TREATMENT DEVICE AND COMBUSTION DEVICE, AND METHOD FOR TREATING TOILET WASTE BY USING SAME ~71:Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, SUWON-SI 16677, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: CHANG, Wonsuk;HWANG, Seungsik;KIM, Ginam;KIM, Nagjong~ 33:US ~31:63/030,759 ~32:27/05/2020

2022/13877 ~ Complete ~54:1-(5-(2-CYANOPYRIDIN-4-YL)OXAZOLE-2-CARBONYL)-4-METHYLHEXAHYDROPYRROLO[3,4-B]PYRROLE-5(1H)-CARBONITRILE AS USP30 INHIBITOR FOR USE IN THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION, CANCER AND FIBROSIS ~71:Mission Therapeutics Limited, Babraham Hall, Babraham, CAMBRIDGE CB22 3AT, UNITED KINGDOM, United Kingdom ~72: KEMP, Mark Ian;LUCKHURST, Christopher Andrew;STOCKLEY, Martin Lee;THOMPSON, Paul William~ 33:GB ~31:2008598.1 ~32:08/06/2020;33:GB ~31:2016758.1 ~32:22/10/2020

2022/13882 ~ Complete ~54:POLYPEPTIDES COMPRISING MODIFIED IL-2 POLYPEPTIDES AND USES THEREOF ~71:Inhibrx, Inc., 11025 N. Torrey Pines Road, Suite 200, LA JOLLA 92037, CA, USA, United States of America ~72: BECKLUND, Bryan;ECKELMAN, Brendan P.;SULZMAIER, Florian;TIMMER, John C.;WILLIS, Katelyn M.~ 33:US ~31:63/047,681 ~32:02/07/2020

2022/13888 ~ Complete ~54:NEW PHTHALATE-FREE ISOCYANURATE COMPOSITION AND USE THEREOF ~71:LANXESS Deutschland GmbH, Kennedyplatz 1, K&#214;LN 50569, GERMANY, Germany ~72: AUGUSTIN, Thomas;LOCHRIE, Ian~ 33:EP ~31:20176994.0 ~32:28/05/2020

- APPLIED ON 2022/12/22 -

2022/13909 ~ Provisional ~54:APPARATUS AND METHOD FOR PERFORMING MAGNETIC SEPARATION ~71:MMS METALS (PTY) LTD, 2 Graniet Street, South Africa ~72: LE ROUX, Charles Roberts~

2022/13917 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING/PREVENTING AVIAN GOUT AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, Donghua Road, Fengyang County, Chuzhou City, Anhui Province, 233100, People's Republic of China ~72: HU, Mingming;LI, Ang;LI, Jing;LI, Lei;LI, Shenghe;LIU, Chang;TUMEN, Baya;WANG, Xinyu;WANG, Zhiwei;ZHAO, Kai~

2022/13922 ~ Complete ~54:DETECTION METHOD FOR COBALT CONTENT IN A BATTERY ELECTRODE ~71:SHENZHEN GESHILE TECHNOLOGY CO., LTD., Room 302, Block A, Building 1, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Community, Xili Street, Nanshan District, Shenzhen, People's Republic of China ~72: SHUAI GAO;XIAO GUI CHI;ZE JUAN LI~ 33:CN ~31:2022114263844 ~32:15/11/2022

2022/13953 ~ Complete ~54:ADJUVANT WITH TLR4 AGONIST ACTIVITY ~71:Sumitomo Pharma Co., Ltd., 6-8, Doshomachi 2-chome, Chuo-ku, OSAKA-SHI 5410045, OSAKA, JAPAN, Japan ~72: BAN, Hitoshi;FUKUSHIMA, Akihisa;IMAZAKI, Yusuke;TAKANASHI, Yosuke~ 33:JP ~31:2020-107194 ~32:22/06/2020

2022/13956 ~ Complete ~54:METHOD FOR PRODUCING STABILIZED LIGNIN HAVING A HIGH SPECIFIC SURFACE AREA ~71:Suncoal Industries GmbH, Rudolf-Diesel-Str. 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: K&HL, Lenz Aron Mathis;PODSCHUN, Jacob;ST&CKER, Alexander;WITTMANN, Tobias~ 33:DE ~31:10 2020 208 684.2 ~32:10/07/2020;33:DE ~31:10 2020 134 900.9 ~32:23/12/2020

2022/13958 ~ Complete ~54:MODIFIED CATALYST SUPPORTS AND CATALYSTS SUPPORTED THEREON ~71:Johnson Matthey Public Limited Company, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: MERCER, Richard~ 33:GB ~31:2014184.2 ~32:09/09/2020

2022/13961 ~ Complete ~54:METHODS RELATED TO THE TREATMENT OF IGA NEPHROPATHY ~71:ARES TRADING S.A., Zone Industrielle de l'Ourietaz, 1170, Aubonne, Switzerland ~72: AMY HUI-CHIEN KAO;CHRISTOPHER TEHLIRIAN;HANS GUEHRING;ROBERTO BASSI;STEPHEN DANIEL WAX~ 33:US ~31:63/033,593 ~32:02/06/2020

2022/13964 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING ACUTE RESPIRATORY DISTRESS SYNDROME (ARDS) AND INFLAMMATORY DISORDERS CAUSED BY CORONAVIRUSES ~71:BEN Y CHANG, 312 North Mansfield Avenue, Los Angeles, California 90036, United States of America;PHOR-MED, INC., 1999 Avenue of The Stars, Suite 1100, Century City, California 90036, United States of America;RICHARD L CHANG, 5511 Paseo del Lago West, Unit 1G, Laguna Woods, California 92637, United States of America ~72: BEN Y CHANG;RICHARD L CHANG~ 33:US ~31:63/031,551 ~32:28/05/2020

2022/13907 ~ Provisional ~54:CAN OPENER ~71:Kgaigelo Madileng, 23 Van Breda Crescent, South Africa ~72: Kgaugelo Madileng~

2022/13921 ~ Complete ~54:RETENTION RING FOR WIND TURBINES AND CORRESPONDING WIND TURBINE ~71:WEG EQUIPAMENTOS EL&TRICOS S/A, AV. Prefeito Waldemar Grubba, 3300, Vila Lalau, Jaragua do Sul – SC – 89256900, Brazil ~72: AUGUSTO CESAR DE SOUZA;CASSIANO ANTUNES CEZARIO;JULIO CESAR DA SILVA;THIAGO PIAZERA DE CARVALHO~ 33:BR ~31:BR 10 2022 021688-6 ~32:25/10/2022

2022/13925 ~ Complete ~54:A KIND OF PROBABILITY THEORY TEACH DEMONSTRATION DEVICE ~71:Huainan Normal University, Dongshan Road(West),Tian Jia an District, City of Huainan, Anhui Province, 232038, People's Republic of China ~72: Xiang Wei;Yang Chunzhi~

2022/13926 ~ Complete ~54:A HIGH-SALT MINE WATER RECYCLING SYSTEM RICH IN AMMONIA AND CHLORIDE ~71:Xuzhou college of industrial technology, No. 1, Xiangwang South Road, Gulou District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Wei Qing;Yan Chuanyong;Zhang Lei~

2022/13930 ~ Complete ~54:TEACHING AUXILIARY TERMINAL FOR ENGLISH TEACHING ~71:Henan University of Urban Construction, Longxiang Road, Xinhua District, Pingdingshan City, Henan Province, People's Republic of China ~72: Dong Songtao;Guo Yanli;Li Hua;Shi Chunyan;Xu Lihua~

2022/13933 ~ Complete ~54:BUILD WASTE CLEARING AND TRANSPORT DEVICE ~71:Jiangsu Vocational Institute of Architectural Technology, No. 26, Xueyuan Road, Quanshan district, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: Wang Jing~

2022/13935 ~ Complete ~54:AN INTELLIGENT ROBOTIC ARM IN CONSTRUCTION ENGINEERING ~71:Jiangsu Vocational Institute of Architectural Technology, No.26 Xueyuan Road, quanshan district, Xuzhou, Jiangsu, 221116, People's Republic of China ~72: Hou Wenbao;Li Delu;Liu Zhijian;Wang Wenjie;Xia Rujie;Zhang Gang~ 33:CN ~31:202210036688.3 ~32:13/01/2022

2022/13950 ~ Complete ~54:IMPROVED ADENO-ASSOCIATED VIRUS GENE THERAPY VECTORS ~71:FERRING VENTURES SA, Route de Berne 52, Switzerland ~72: AIRENNE, Kari;ALBERS, Justin Darius;ERIKSSON, Reetta;GALIBERT, Lionel;HYV&#214;NEN, Amira;LESCH, Hanna~ 33:US ~31:63/043,837 ~32:25/06/2020

2022/13957 ~ Complete ~54:PROCESS FOR REFINING A CRUDE ETHYLENE GLYCOL STREAM ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: GORDON, Paul;REED , Graham;SWINNEY, John;WATSON, David John~ 33:GB ~31:2013908.5 ~32:04/09/2020

2022/13960 ~ Complete ~54:PROPHYLACTIC OR THERAPEUTIC AGENT FOR PHOTODERMATOSIS ~71:DAIICHI PHARMACEUTICAL COMPANY LIMITED, 3-2-10, Dosho-machi Chuo-ku Osaka-shi, Osaka, 541-8505, Japan ~72: ATSUHIRO MATSUMOTO;MASAHIRO KONDO;TSUYOSHI SUZUKI;YUKO KAWANO~ 33:JP ~31:2020-101162 ~32:10/06/2020

2022/13966 ~ Complete ~54:TEXTILE ARTICLE EQUIPPED WITH A REACH-THROUGH REGION ~71:FIRST WEST GMBH, Bergheidengasse 26/3/1, 1130 Wien, Austria;JERZY FRANCISZEK KUCHARKO, Bergheidengasse 26/3/1 1130 Wien, Austria ~72: JERZY FRANCISZEK KUCHARKO~ 33:AT ~31:A145/2020 ~32:26/05/2020

2022/13965 ~ Complete ~54:METHODS FOR DIAGNOSING RESPIRATORY PATHOGENS AND PREDICTING COVID-19 RELATED OUTCOMES ~71:ILLUMINA SOFTWARE, INC., 5200 Illumina Way San Diego, California 92122, United States of America;THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE, 1800 Grant Street, 8th Floor, Denver, Colorado, 80203, United States of America ~72: ALEM TAYE;BRET BARNES;BRETT PETERSON;CHRISTOPHER GIGNOUX;IVANA YANG;KATHLEEN BARNES;PAUL NORMAN;RASIKA MATHIAS;RISHI PORECHA~ 33:US ~31:63/042,669 ~32:23/06/2020

2022/13971 ~ Complete ~54:METHODS FOR PRODUCING UREA CALCIUM SULFATE FROM MOIST PHOSPHOGYPSUM ~71:SABIC GLOBAL TECHNOLOGIES B.V., Plasticlaan 1, 4612 PX, Bergen op Zoom, Netherlands ~72: ANDREW GEORGE KELLS;NILKAMAL BAG;RAJAMALLESWARAMMA KORIPPELLY;SALEH AL-SHAMMARI~ 33:IN ~31:202011027948 ~32:01/07/2020

2022/13976 ~ Provisional ~54:CORDLESS ELECTRICAL FRYING PAN ~71:LEONARD PETERSEN FAMILY TRUST I/T 132/2004, No45 30TH AVE ELSIES RIVER, South Africa ~72: LEONARD PETERSEN~

2022/13975 ~ Complete ~54:HAIR EXTENSION PACKAGING APPARATUS ~71:I&I Hair Corp., 4215 McEwen Road, Farmers Branch, , TEXAS, 75244, United States of America ~72: Hyun Han~

2022/13954 ~ Complete ~54:ZLD (ZERO LIQUID DISCHARGE) WASTEWATER TREATMENT ~71:P2W Ltd., 8 Hametzuda Street, AZOR 5800152, ISRAEL, Israel ~72: BANKER, Ronny;ZEEVY PEREZ, Yael~ 33:CN ~31:2020104396569 ~32:22/05/2020;33:US ~31:16/881,902 ~32:22/05/2020;33:US ~31:17/022,745 ~32:16/09/2020

2022/13959 ~ Complete ~54:VALIDATION OF PROCEDURES IN A DECONTAMINATION PROCESS ~71:TRISTEL PLC, Unit 1b, Lynx Business Park, Fordham Road, Snailwell, United Kingdom ~72: BRAND, Thomas;JANSEN, Esther;SWINNEY, Paul~ 33:GB ~31:2011194.4 ~32:20/07/2020

2022/13962 ~ Complete ~54:EXTRACELLULAR VESICLES WITH IMMUNE MODULATORS ~71:CHAMELEON BIOSCIENCES, INC., 626 Bancroft Way, Suite A, Berkeley, California, 94710, United States of America ~72: GENINE WINSLOW~ 33:US ~31:63/043,587 ~32:24/06/2020

2022/13968 ~ Complete ~54:CHUTE LINER ~71:METSO OUTOTEC FINLAND OY, Lokomonkatu 3 33102 Tampere, Finland ~72: HEATH SEWELL;LIAM MICHAEL ELLIOTT FRY;MARTIN JAMES BARNES~ 33:AU ~31:2020901815 ~32:02/06/2020

2022/13974 ~ Complete ~54:STORAGE BATTERY BOLT TERMINAL ~71:CHANGCHUN JETTY AUTOMOTIVE PARTS CORPORATION, 1st Floor, No. 957, Shunda Road, High-Tech Development Zone, People's Republic of China ~72: WANG, Chao~ 33:CN ~31:202021561663.8 ~32:31/07/2020

2022/13910 ~ Provisional ~54:ANODE ~71:NARDINI, Pierdomenico, c/o 7 Berg Street, South Africa;TABASSO, Enrico, c/o 7 Berg Street, South Africa ~72: NARDINI, Pierdomenico;TABASSO, Enrico~

2022/13911 ~ Provisional ~54:SECURITY DEVICE AND ASSOCIATED SECURITY SYSTEM ~71:PRIMIC, Louis-Andr#233;, Unit 1, 31 Pinotage Road, Saxonburg Park 1, South Africa ~72: PRIMIC, Louis-Andr#233;~

2022/13912 ~ Complete ~54:A KIND OF WALNUT SEEDS PLANTING AND SEEDLING GRAFTING BREEDING AND ITS METHOD ~71:Chengxian Xingfeng Agroforestry Technology Co., Ltd., Chamber of Commerce Building, New Street, Chengxian County, Longnan City, Gansu Province, 742500, People's Republic of China ~72: Aiqiang DENG;Hongjuan QIANG;Peng CHEN;Ruisheng ZHAO;Xinggui GUO;Yi ZHANG~

2022/13913 ~ Complete ~54:A NUTRITIONAL ADDITIVE FOR ALLEVIATING SUBACUTE RUMEN ACIDOSIS ~71:Institute of Animal Husbandry and Veterinary, Shandong Academy of Agricultural Sciences, No. 23788 Industrial North Road, Licheng District, Jinan City, Shandong Province, 250100, People's Republic of China ~72: Enliang SONG;Fugui JIANG;Haijian CHENG;Wei YOU;Yan ZHANG~

2022/13914 ~ Complete ~54:DUST IGNITION DELAY CONTROL SYSTEM AND METHOD AND COMPUTER READABLE STORAGE MEDIUM ~71:BGRIMM Explosives And Blasting Technology Co., Ltd., Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China;BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Fengtai District, Beijing, 100160, People's Republic of China ~72: DUAN, Yun;XU, Wei~

2022/13919 ~ Complete ~54:A KIND OF REHABILITATION HEALTH CARE LIQUID FOR RELIEVING RIGIDITY OF MUSCLES AND REMOVING OBSTRUCTION IN COLLATERALS ~71:Guo Xiaobin, Room 101, Unit 2, Building 8, CuiZGarden, North District, Chaobai Family, Yanjiao Development Zone, Sanhe City, Langfang, Hebei, People's Republic of China ~72: Guo Xiaobin~



2022/13931 ~ Complete ~54:CLAMP FOR HYDRAULIC PIPE MATERIAL ~71:Xuzhou College of Industrial Technology, No. 1 Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, 221000, People's Republic of China ~72: Li Jiansong;Qian Bokun;Quan Ning;Zhu Tao;Zhuo Ziming~ 33:CN ~31:202210157435.1 ~32:21/02/2022

2022/13942 ~ Complete ~54:ALGORITHM AND TECHNICAL SYSTEM FOR DISPLAYING OFFERS ~71:DIRECT OFFER, INC., 620 Monroe Street, Nashville, TN 37208, United States of America ~72: BURTON, Jonathan;LAPPE, Kathleen~ 33:US ~31:63/035,400 ~32:05/06/2020;33:US ~31:16/920,760 ~32:06/07/2020

2022/13945 ~ Complete ~54:IMPROVED METHODS AND COMPOSITIONS FOR PROCESSING MANURE ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: FARMER, Sean~ 33:US ~31:63/052,074 ~32:15/07/2020

2022/13947 ~ Complete ~54:GAMING ACTIVITY MONITORING SYSTEMS AND METHODS ~71:SENSEN NETWORKS GROUP PTY LTD, Level 1, 9 Harper Street, Australia ~72: CHALLA, Subhash;QUINN, Louis;VO, Duc Dinh Minh;VO, Nhat~ 33:AU ~31:2020902206 ~32:30/06/2020

2022/13952 ~ Complete ~54:VALIDATION OF MIXING PROCEDURES IN A DECONTAMINATION PROCESS ~71:TRISTEL PLC, Unit 1b, Lynx Business Park, Fordham Road, United Kingdom ~72: BRAND, Thomas;JANSEN, Esther;SWINNEY, Paul~ 33:GB ~31:2011192.8 ~32:20/07/2020

2022/13973 ~ Complete ~54:SELECTIVE HISTONE DEACETYLASE 6 INHIBITORS ~71:ALAN KOZIKOWSKI, 2020 North Lincoln Park Apt. 36A Chicago, Illinois 60614, United States of America;THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, 352 Henry Administration Building 506 S. Wright Street, Urbana, Illinois, 61801, United States of America;THE GEORGE WASHINGTON UNIVERSITY, A CONGRESSIONALLY CHARTERED NOT-FOR-PROFIT CORPORATION, 1922 F Street NW, 4th Floor (TCO), Washington, District of Columbia, 20052, United States of America ~72: ALAN KOZIKOWSKI;ALEJANDRO VILLAGRA;SIDA SHEN~ 33:US ~31:63/044,407 ~32:26/06/2020

2022/13915 ~ Complete ~54:FLEXIBLE ELECTROMAGNETIC SHIELDING FABRIC COATED WITH POLYANILINE COATED CARBON NANOTUBE AND PREPARATION METHOD THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, People's Republic of China ~72: DOU Tiantian;NI Qingqing;SUN Yanyan;WANG Shuangshuang;XU Zhenzhen;ZOU Lihua~

2022/13920 ~ Complete ~54:METHOD FOR INCREASING ARG CONTENT IN SERUM OF WEANED PIGLETS ~71:INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, People's Republic of China;NORTHEAST INSTITUTE OF GEOGRAPHY AND AGROECOLOGY, CHINESE ACADEMY OF SCIENCES, NO. 138, HAPING ROAD, People's Republic of China ~72: BAO, TONGTONG;HE, XINMIAO;LI, MIAO;LI, ZHONGQIU;LIU, CHUNLONG;LIU, DI;PENG, FUGANG;SUN, JINYAN;TIAN, MING;WANG, WENTAO;WU, SAIHUI;WU, XIN;ZHANG, DONGJIE;ZHOU, KAI~

2022/13928 ~ Complete ~54:INTELLIGENT ANIMAL HUSBANDRY AND VETERINARY INSPECTION DEVICE ~71:Anhui Science and Technology University, 9 Donghua Road, Fengyang, Chuzhou, Anhui, 233100, People's Republic of China ~72: Xiong Yongjie~

2022/13936 ~ Complete ~54:MACROALGAL GERMPASM DISINFECTANT AND COLLECTION METHOD THEREFOR ~71:Ludong University, No. 186, Hongqi Middle Road, Zhifu District, Yantai City 264025, Shandong Province, CHINA (P.R.C.), People's Republic of China ~72: CUI, Cuiju~

2022/13939 ~ Complete ~54:CHICKEN BREED IDENTIFICATION METHOD ~71:YANGZHOU UNIVERSITY, 88 South Daxue Road,, Yangzhou,, Jiangsu, 225009, People's Republic of China ~72: BAI, Hao;BI, Yulin;CHANG, Guobin;CHEN, Guohong;GUO, Qixin;LI, Bichun;ZHAO, Long~ 33:CN ~31:202110639335.8 ~32:08/06/2021

2022/13941 ~ Complete ~54:ELECTRONIC DEVICES AND METHODS FOR SELECTING AND DISPLAYING MULTIMODAL CONTENT ~71:DIRECT OFFER, INC., 620 Monroe Street, Nashville, TN 37208, United States of America ~72: BURTON, Jonathan;LAPPE, Kathleen~ 33:US ~31:16/939,762 ~32:27/07/2020

2022/13944 ~ Complete ~54:EFFERVESCENT ORAL COMPOSITION COMPRISING AN ACTIVE INGREDIENT ~71:NICOVENTURES TRADING LIMITED, Globe House, 1 Water Street, United Kingdom ~72: GERARDI, Anthony Richard;LAMPE, Matthew Evan;ODEN, Ross Jay;SPIELBAUER, Kristen Ann;VON COSMOS, Nicolas;ZAWADZKI, Michael Andrew~ 33:US ~31:63/036,251 ~32:08/06/2020

2022/13948 ~ Complete ~54:PREPARATION AND USE OF PYRAZOLE COMPOUND CONTAINING 1-(3,4-DIMETHOXYPHENYL)-BETA-CARBOLINE UNIT ~71:NANTONG UNIVERSITY, No.9, Seyuan Road, Chongchuan District, Nantong, Jiangsu, 226019, People's Republic of China ~72: DAI, Hong;HUANG, Meiling;LING, Yong;MIAO, Heyi;QIAN, Cheng;WANG, Yang;ZHANG, Haijun;ZHANG, Yan;ZHENG, Dandan;ZHOU, Beibei~ 33:CN ~31:202010882493.1 ~32:28/08/2020

2022/13951 ~ Complete ~54:VALIDATION OF DECONTAMINATION PROCEDURES FOR A MEDICAL DEVICE ~71:TRISTEL PLC, Unit 1b, Lynx Business Park, Fordham Road, Snailwell, United Kingdom ~72: BRAND, Thomas;JANSEN, Esther;SWINNEY, Paul~ 33:GB ~31:2011193.6 ~32:20/07/2020

2022/13967 ~ Complete ~54:ELECTRONIC LOCK SYSTEM ~71:JOHN JOSEPH RYAN, 313 N. Plankinton Ave #211, Milwaukee, Wisconsin, 53203, United States of America ~72: JOHN JOSEPH RYAN~ 33:US ~31:63/033,571 ~32:02/06/2020;33:US ~31:63/062,166 ~32:06/08/2020

2022/13970 ~ Complete ~54:CARBON FOAM, SYSTEMS AND METHODS FOR FORMING THE SAME ~71:CARBON HOLDINGS INTELLECTUAL PROPERTIES, LLC, 11101 Sugarview Drive, Suite 201, Sheridan, Wyoming, 82801, United States of America ~72: CHARLES AGEE ATKINS;CHRISTOPHER L YURCHICK;MATTHEW TARGETT~ 33:US ~31:63/031,748 ~32:29/05/2020

2022/13972 ~ Complete ~54:INDENE COMPOUNDS, PHARMACEUTICAL COMPOSITIONS THEREOF, AND THEIR THERAPEUTIC APPLICATIONS ~71:NUCMITO PHARMACEUTICALS CO., LTD., 882-6 Lianting Road, Unit 701, Xiamen (XiangAn) Torch High-tech Zone, XiangAn District, Xiamen, Fujian, 361000, People's Republic of China ~72: HAISHAN WANG;LIJUN CAI;QIANGZHEN CHEN;XIAOKUN ZHANG;XINDAO ZHANG;YING SU;YUQI ZHOU;ZHIPING ZENG;ZHIQIANG YAN;ZIWEN CHEN~ 33:US ~31:63/038,737 ~32:12/06/2020

2022/13906 ~ Provisional ~54:THERMAL AMMUNITION ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~

2022/13916 ~ Complete ~54:FLOAT APPARATUS ~71:EDDY PUMP CORPORATION, 15405 Olde Hwy 80, United States of America ~72: DURAN, Hector;GONZALEZ, Roberto;WAHLGREN, Daniel~ 33:US ~31:17/668,099 ~32:09/02/2022;33:US ~31:17/832,827 ~32:06/06/2022

2022/13918 ~ Complete ~54:PHYSICAL SIMULATION DEVICE FOR WATER-BLOCKING DAMAGE ~71:Xinjiang University, No.666 Shengli Road, Urumqi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: GE Yanyan;HE Xiaobiao;LI Xin;TIAN Jijun;WANG Meng;WANG Wenfeng;WEI Yongheng~

2022/13924 ~ Complete ~54:FIELD SELF-ILLUMINATION SCALPEL ~71:Zaozhuang Vocational College, Middle Qilian Mountain Road,Xincheng District,Zaozhuang City,Shandong Province, People's Republic of China ~72: Ding XiaoDong;Gao LianYong;Li Ming;Liang Jian;Wan Jun;Wang QiaoNa;Wu YuHeng;Xia ShangFei;Yang JingDong~

2022/13934 ~ Complete ~54:AN INTELLIGENT SPONGE CITY FLOOD FORECASTING METHOD ~71:Nanchang Institute of Technology, No. 289 Tianxiang Avenue, High-tech Zone, Nanchang City, Jiangxi Province, 330099, People's Republic of China ~72: Bai Hua;Gui Faliang;Huang Jianchu;Kang Chuanxiong;Li Erhui;Yang Xiaoxiao;Yang Yongsheng~

2022/13908 ~ Provisional ~54:IMAGE CAPTURING ~71:Kevo Project Management (Pty) Ltd, 61 Klein Constantia Road, Constantia, South Africa ~72: ELSE, Sean Richard~

2022/13923 ~ Complete ~54:A METHOD OF MODIFYING THE SURFACE OF A METALLIC ZINC NEGATIVE ELECTRODE WITH A COMPOSITE CLADDING LAYER ~71:SHENZHEN GESHILE TECHNOLOGY CO., LTD., Room 302, Block A, Building 1, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Community, Xili Street, Nanshan District, Shenzhen, People's Republic of China ~72: SHUAI GAO;XIAO GUI CHI;ZE JUAN LI-33:CN ~31:2022114324265 ~32:15/11/2022

2022/13927 ~ Complete ~54:FULL-ECOLOGICAL ZERO-EMISSION SHRIMP-VEGETABLE SYMBIOTIC CULTURE SYSTEM ~71:Benniu Ecological Science & Tecology Park in Ji'an city, Building 23, TianjingJiang natural Village, Tangwei Village, Tianyu Town, Qingyuan District, Ji &#39;an City, JiangXi province, People's Republic of China;Jinggangshan University, 28 Xueyuan Road, Qingyuan District, Ji &#39;an City, JiangXi province, People's Republic of China ~72: Li juan;Liao xinjun;Liu jueqiang~

2022/13929 ~ Complete ~54:ANTI-THEFT SYSTEM BASED ON COMPUTER ARTIFICIAL INTELLIGENCE ~71:Changzhou Vocational Institute of Mechatronic Technology, No. 26, Mingxin Middle Road, Wujin District, Changzhou City, Jiangsu Province, 213164, People's Republic of China ~72: Sun Hualin~

2022/13932 ~ Complete ~54:BUILD WASTE SORTING DEVICE ~71:Jiangsu Vocational Institute of Architectural Technology, No. 26, Xueyuan Road, Quanshan district, Xuzhou City, Jiangsu Province,China,Zip:221116, People's Republic of China ~72: Liu Dapeng~

2022/13937 ~ Complete ~54:MAGNETO-INDUCTIVE WIRELESS DETONATOR WITH QUANTUM RECEIVER ~71:PRIV&#201;, &#201;tienne, 355, De La Fenaison, Quebec, Quebec G1C 0K4, Canada ~72: DESCHENES, St&#233;phane;PRIV&#201;, &#201;tienne~

2022/13938 ~ Complete ~54:CONFIGURING A WIRELESS DEVICE CONFIGURED WITH MULTI-RADIO ACCESS TECHNOLOGY DUAL CONNECTIVITY ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: DA SILVA, Icaro Leonardo;WAGER, Stefan~ 33:US ~31:63/061,964 ~32:06/08/2020

2022/13940 ~ Complete ~54:PRIMER SET FOR IDENTIFYING SEX-LINKED DWARF GENE AND APPLICATION THEREOF ~71:CHINA AGRICULTURAL UNIVERSITY, No.2 Yuanmingyuan West Road, Haidian District,, Beijing, 100193, People's Republic of China ~72: SUN, Congjiao;WANG, Xiqiong;XU, Guiyun;ZHUANG, Jingjie~ 33:CN ~31:202110870820.6 ~32:30/07/2021

2022/13943 ~ Complete ~54:COMPOSITION FOR PRESERVING AND/OR IMPROVING THE QUALITY OF MEAT PRODUCTS ~71:PURAC BIOCHEM B.V., Arkelsedijk 46, Netherlands ~72: HILHORST, Gerrit Anthon Rene;KARLEEN, Saffiera;KUMAR, Saurabh;MCCOY, Garrett Douglas;WIJMAN, Johanna Gerarda Elisabeth~ 33:US ~31:PCT/US2020/039037 ~32:23/06/2020

2022/13946 ~ Complete ~54:BIODIVERSITY INTELLIGENT MONITORING DEVICE ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University Of Medicine And Health Sciences, 279 Zhouzhu Road, Pudong New Area,, Shanghai, 201318, People's Republic of China ~72: CHEN, Lifan;KONG, Ping;WANG, Hongjie;ZHOU, Liang;ZHOU, Yanli~

2022/13949 ~ Complete ~54:2-SUBSTITUTED IMIDAZOLIDINE DERIVATIVE CONTAINING ARYL BIPYRIDYLOXY STRUCTURE, PREPARATION METHOD THEREFOR, AND USE THEREOF ~71:NANTONG UNIVERSITY, No. 9, Seyuan Road, Chongchuan District, Nantong, Jiangsu, 226019, People's Republic of China ~72: DAI, Hong;LI, Jianhua;MIAO, Heyi;SHI, Lei;WANG, Zhipeng;YAN, Ruijian;ZHANG, Haijun;ZHANG, Yan;ZHANG, Zichan;ZHENG, Dandan~ 33:CN ~31:202010925969.5 ~32:07/09/2020

2022/13955 ~ Complete ~54:SYNTHESIS OF ANTHRACITIC NETWORKS AND AMBIENT SUPERCONDUCTORS ~71:Graphene Technologies, Inc., 31 Commercial Blvd., NOVATO 94949, CA, USA, United States of America ~72: BISHOP, Matthew;THOMAS, Abhay~ 33:US ~31:63/039,525 ~32:16/06/2020

2022/13963 ~ Complete ~54:A PERSONAL CARE COMPOSITION COMPRISING ATRACTYLENOLIDE-I OR A SOURCE THEREOF ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: HONG ZHANG;TINGYAN MI;XUE XIAO;XUELAN GU~ 33:CN ~31:PCT/CN2020/105837 ~32:30/07/2020;33:EP ~31:20196143.0 ~32:15/09/2020

2022/13969 ~ Complete ~54:SYSTEMS AND METHODS FOR MANUFACTURING LOW-DENSITY CARBON FIBER FROM COAL ~71:RAMACO CARBON, LLC, 1101 Sugarview Drive, Suite 201, Sheridan, Wyoming, 82801, United States of America ~72: CHRISTOPHER L YURCHICK~ 33:US ~31:63/031,725 ~32:29/05/2020

- APPLIED ON 2023/01/03 -

2023/00046 ~ Complete ~54:METHOD FOR QUICKLY SUPPLEMENTING SEED SOURCE OF DEGRADED ECOSYSTEM BY ARTIFICIAL SEED FLOATING IN ARID AREAS ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No.818 Beijing South Road, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: CHEN Yaning;CHEN Yapeng;PAN Tingting;ZHU Chenggang~

2023/00048 ~ Complete ~54:PREPARATION METHOD OF PEROVSKITE SOLAR CELL AND PRODUCT THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: DONG Haipeng;DU Yabing;HUA Chunfei;LI Wei;LIU Yuxiao;LIU Zhiqing;WANG Chaoyong;XU Huafeng;ZHANG Renqi;ZHAO Xupei~

2023/00060 ~ Complete ~54:CORN WITH HIGH SOD (SUPER OXIDE DISMUTASE) ACTIVITY AND CULTIVATION METHOD THEREFOR ~71:Guangxi Aoguyuan Ecological Agricultural Technology Co., Ltd., No. 26-1, 26-2, Building 3, Huamei Shui;an Mingzhu, Chengnan New District, Mengshan Town, Mengshan County, Wuzhou, Guangxi, 546700, People's Republic of China ~72: GAO, Jianjun;ZHAN, Yonggong~

2023/00063 ~ Complete ~54:TRANSPARENT MODIFIED POLYPROPYLENE MATERIAL AND PREPARATION METHOD THEREOF ~71:Tianjin University of Science and Technology, No. 1038, Dagu South Road, Hexi District, Tianjin, 300222, People's Republic of China ~72: JIANG, Guichang;LIN, Yuecheng;WANG, Hanyu;YIN, Fen~

2023/00068 ~ Complete ~54:PORTABLE BIOMASS COMPOSTING INTEGRATED DEVICE AND USE METHOD THEREOF ~71:Anhui University of Science and Technology, No.168,Taifeng Street, Huainan City, Anhui Province, People's Republic of China ~72: HU Youbiao;ZHANG Zhiguo;ZHENG Yonghong~

2023/00081 ~ Complete ~54:THE RAPID ANALYSIS METHOD FOR SOIL ORGANIC CARBON CONTENT BASED ON LANDSAT IMAGE INVERSION MODEL ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Chuanjiao Pan;Minglei Song;Songfeng Gao;Yanyan Zhan;Yuhua Wang;Zhan Liu;Zhanhui Zhao~

2023/00087 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR HARMONIZING PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Provinc, People's Republic of China;Wu Zhengzhi, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Li Limin;Li Ziwen;Liang Shaoyu;Liu Zhanyan;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00096 ~ Complete ~54:LANDSCAPE SIGN ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: CHEN Yan;YANG Qiong;YUE Zixuan~

2023/00105 ~ Complete ~54:AN ORTHOGRAPHIC PROJECTION CORRECTION METHOD BASED ON UAV ATTITUDE PARAMETERS ~71:Zaozhuang University, No.1 Bei&#39;an Road, Shizhong District, Zaozhuang City, Shandong Province, 277160, People's Republic of China ~72: Chunlei Yu;Guolin Zhai;Jili Lu;Qingyun Yang;Sai Li;Shuai Yin;Wei Xu~

2023/00109 ~ Complete ~54:A GREEN, ENERGY-SAVING, LOW-CARBON AND ENVIRONMENT-FRIENDLY T SERIES INNOVATIVE INTEGRATED FORMWORK FOR WALL INSULATION STRUCTURE AND A PREPARATION METHOD THEREOF ~71:JIWEI ZHUGONG (HEBEI) BUILDING MATERIALS TECHNOLOGY CO., LTD, Room 208, Office Building, South Floor, No. 111 Fengchan Road, Shijiazhuang Economic and Technological Development Zone, Gaocheng District, Shijiazhuang, Hebei Province, 052165, People's Republic of China ~72: Hao Li;Liheng SUN;Shaohua GU;Shaoqing GUO;Shihao SUN;Shilin SUN~

2023/00112 ~ Complete ~54:PROTECTION DEVICE FOR TREES IN SALINE-ALKALI LAND ~71:WEIFANG UNIVERSITY, No. 5147, Dongfeng East Street, Weifang City, Shandong Province, 261061, People's Republic of China ~72: CAO, Hui;JI, Chao;JI, Hongliang;LIU, Caiyun;XU, Ruirui;YANG, Yuejuan~

2023/00117 ~ Complete ~54:A GAS EXPLOSION LUNG INJURY DIAGNOSIS SYSTEM, A SERUM MARKER SCREENING METHOD, AND A LUNG INJURY MECHANISM RESEARCH METHOD ~71:XINXIANG MEDICAL UNIVERSITY, Xinxiang Medical University, 601 Jinsui Avenue, Hongqi District, Xinxiang City, Henan Province, 453003, People's Republic of China ~72: CAO, Jia;DONG, Xinwen;LI, Haibin;LI, Juan;REN, Wenjie;TIAN, Linqiang;WANG, Tianyun;WU, Weidong;YAO, Sanqiao;YAO, Wu~

2023/00122 ~ Complete ~54:SYSTEM FOR AUTOMATIC MEASUREMENT OF FLOW AT CHANNEL SECTION ~71:SHANDONG HUIDIAN INTELLIGENT TECHNOLOGY CO., LTD., Room 506, Block B, Jinan Newspaper Building, Huaiyin District, Jinan, Shandong, 250000, People's Republic of China ~72: DONG, Honghai;SHU, Xinyu;WANG, Bingqi;WANG, Yukai~ 33:CN ~31:202110250820.6 ~32:08/03/2021

2023/00129 ~ Complete ~54:PROPAGATING MATERIAL FOR SWEET POTATO ~71:PIETERS JOSEPH & LUC BV, Schierveldstraat 1, Belgium ~72: PIETERS, Christophe;PIETERS, Luc~ 33:BE ~31:2020/5364 ~32:26/05/2020

2023/00139 ~ Complete ~54:PROXY-MEDIATED SERVICE REQUEST HANDLING BETWEEN NETWORK FUNCTIONS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: BARTOLOM&#201; RODRIGO, Maria Cruz;HALLENST&#197;L, Magnus~ 33:EP ~31:20382714.2 ~32:31/07/2020

2023/00143 ~ Complete ~54:METHOD FOR MONITORING THE TECHNICAL CONDITION OF A DIESEL GENERATOR WHEN IN OPERATION ~71:JOINT STOCK COMPANY "ROSENERGOATOM", 25 Ferganskaya Street, Russian Federation; NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPhI (MOSCOW ENGINEERING PHYSICS INSTITUTE), 31 Kashirskoye Highway, Russian Federation; SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: ABIDOVA, Elena Aleksandrovna; GORBUNOV, Igor Gennadevich; NIKIFOROV, Viktor Nikolaevich; PUGACHEVA, Olga Yur'evna; SOLOV'EV, Viktor Ivanovich ~ 33:RU ~31:2020128924 ~32:01/09/2020

2023/00148 ~ Complete ~54:ISOXAZOLINE-SUBSTITUTED BENZAMIDE DERIVATIVE, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:SHANDONG UNITED PESTICIDE INDUSTRY CO., LTD., Building 1, Middle Shengli Road, Daxin Village, Fan Town, Daiyue District, Taian, People's Republic of China ~72: CHI, Huiwei; LI, Dongrong; TANG, Jianfeng; WU, Jianting; XU, Longxiang; YANG, Yi; YU, Bin; ZHAO, Baoxiu ~ 33:CN ~31:202010754471.7 ~32:30/07/2020

2023/00010 ~ Complete ~54:A COMPREHENSIVE TECHNICAL METHOD OF WALNUT SEEDLING BUD BREEDING ~71:Chengxian Xingfeng Agroforestry Technology Co., Ltd., Chamber of Commerce Building, New Street, Chengxian County, Longnan City, Gansu Province, 742500, People's Republic of China ~72: Fumin ZHU; Ruisheng ZHAO; Xinggui GUO; Yi ZHANG; Zhaomin ZHANG; Zhiyuan WU~

2023/00154 ~ Complete ~54:METHOD FOR DETERMINING TOTAL ALDEHYDES IN ONE OR MORE OF CRUDE 2,5-FURANDICARBOXYLIC ACID (FDCA), CRUDE TEREPHTHALIC ACID (TPA) AND ESTERS OF THESE ~71:ARCHER DANIELS MIDLAND COMPANY, 4666 Faries Parkway, Decatur, Illinois, 62526, United States of America ~72: KENNETH F STENSRUD; WILLIAM CHRIS HOFFMAN ~ 33:US ~31:63/034,827 ~32:04/06/2020

2023/00161 ~ Complete ~54:APPARATUS FOR ROASTING COFFEE BEANS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GEBS, Jonathan; SAVIOZ, Grigory; SCORRANO, Lucio ~ 33:EP ~31:20179335.3 ~32:10/06/2020

2023/00167 ~ Complete ~54:A METHOD OF REDUCING SKIN IRRITATION, COMPRISING THE APPLICATION TO THE SKIN OF AN ALPHA-BISABOLOL PREPARED BY A BIOTECHNOLOGICAL PROCESS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: AUSSANT, Emmanuel; MEUNIER, Marie; REYNAUD, Romain; SCANDOLERA, Amandine ~ 33:GB ~31:2010390.9 ~32:07/07/2020

2023/00172 ~ Complete ~54:ANTIBODY BINDING TO HEPATITIS B VIRUS SURFACE ANTIGEN AND APPLICATION OF ANTIBODY ~71:BEIJING KAWIN TECHNOLOGY SHARE-HOLDING CO., LTD., 6 Rongjing East Street, BDA, Yizhuang, People's Republic of China ~72: CHANG, Hongyan; LI, Feng; LI, Xiang; LIU, Ying; SONG, Rui; XU, Zheng ~ 33:CN ~31:202010659026.2 ~32:09/07/2020; 33:CN ~31:202010659828.3 ~32:10/07/2020

2023/00004 ~ Provisional ~54:9 ENGINES (HEAT ENGINE, RACK PISTON ENGINE, HYDRAULIC ENGINE, BELTED PISTON ENGINE, TORQUE PISTON ENGINE, AC MOTORS AND AMBICURRENT SOLE CONDUCTOR MOTORS) AND A NON-NEWTONIAN FLUID SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~

2023/00009 ~ Complete ~54:METHOD FOR COMBINED INOCULATION WITH FISH VACCINES ~71:East China University of Science and Technology, 130 Meilong Road, Shanghai, People's Republic of China; Shanghai Weizhong Biotechnology Co., Ltd, Lingang Special Area Huanhuxier Road No.888 Building C, China (Shanghai) Pilot Free Trade Zone, Shanghai City, People's Republic of China; Yantai Tianyuan Aquaculture Co., Ltd,

Economic Development Zone Danyang District No. 65, Yantai, Shandong Province, People's Republic of China ~72: Jiangbo QU;Pengbo WANG;Qiyao WANG;Rongjing XU;Xiaohong LIU;Yue MA~

2023/00003 ~ Provisional ~54:9 ENGINES (HEAT ENGINE, RACK PISTON ENGINE, HYDRAULIC ENGINE, BELTED PISTON ENGINE, TORQUE PISTON ENGINE, AC MOTORS AND AMBICURRENT SOLE CONDUCTOR MOTORS) AND A NON-NEWTONIAN FLUID SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/04832 ~32:03/05/2022

2023/00007 ~ Provisional ~54:VIRTUAL REALITY LIVE ENTERTAINMENT STREAMING ~71:Tumelo Prince Lekgowane, 251 Magdalena Willers street, South Africa ~72: Tumelo Prince Lekgowane~ 33:ZA ~31:1 ~32:30/12/2022

2023/00013 ~ Complete ~54:HORIZONTAL SELF-ADJUSTING COAL SLIME SECTION IDENTIFICATION DEVICE FOR COAL MINE SUMP CLEANING ROBOT ~71:Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan, Shanxi, People's Republic of China ~72: Duan Zhen;Gao Guijun;Jia Xuefeng;Kou Ziming;Li Guihu~

2023/00016 ~ Complete ~54:EXPERIMENTAL SIMULATION DEVICE AND NON-CONTACT MEASUREMENT TECHNOLOGY OF LANDSLIDE DAM FORMATION PROCESS IN U-SHAPED CANYON ~71:POWERCHINA Huadong Engineering Corporation Limited, No. 321, Dengcai Street, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: NI Weida;PENG Peng;SHAN Zhigang;WANG Kuanjun;WU Hao;ZHAO Liuyuan~

2023/00026 ~ Complete ~54:MULTI-STAGE ROTATABLE TUFTING DEVICE FOR ULTRA-SHORT FINE SOFT FIBER TUFTING SPINNING ~71:Yancheng Polytechnic College, 285 Jiefang South Road, Yancheng City, Jiangsu Province, People's Republic of China ~72: DING Chen;FAN Lishan;WANG Huiling;WANG Qianwen;ZHANG Shengzhong;ZHAO Jumei;ZHAO Lei;ZHOU Bin;ZHOU Hongtao~

2023/00029 ~ Complete ~54:LOW TEMPERATURE DIFFERENTIAL THERMAL COUPLING DEVICE ~71:Shandong Scientific-Micron New Energy Inc, No. 182, 1st Floor, Zone 1, South Supporting Public Building, Phase V, Sunshine 100 International New Town, Huaiyin District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: Keting ZHAO;Oleg GAIDAI;Wei XING~

2023/00034 ~ Complete ~54:METHOD FOR PROMOTING BIOREMEDIATION OF DEGRADED SOIL BY USING IN-SITU MYCORRHIZA OF DESERT RIPARIAN FOREST ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No.818 Beijing South Road, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: CHEN Yaning;CHEN Yapeng;PAN Tingting;ZHU Chenggang~

2023/00039 ~ Complete ~54:METHOD FOR OBTAINING DYNAMIC RESILIENT MECHANICAL CHARACTERISTICS OF GRANULAR MATERIALS ~71:Changsha University of Science & Technology, No. 960, Section 2, Wanjiali South Road, Tianxin District, Changsha City, Hunan Province, 410114, People's Republic of China ~72: Jian ZHANG;Jingyu LIU;Li LIU;Ronghai FANG;You HUANG;Yu PAN;Zhaohui LIU~

2023/00045 ~ Complete ~54:METHOD FOR PREPARING ARTIFICIAL COAL BY HYDROTHERMAL CARBONIZATION OF STEAM EXPLOSION STRAW AND FOOD WASTE FILTRATE ~71:Xi'an Jiaotong University, No.28, West Xianning Road, Xi'an, Shaanxi, People's Republic of China ~72: DUAN Peigao;HOU Xiaoke;WANG Yibo;WANG Zhicong~

2023/00064 ~ Complete ~54:A WASHBASIN INTEGRATED TOILET ~71:Zheng Xueyou, Group 1 of Maanshan Forest Farm, Gudonghe Community, Bajiazi Town, Helong, Jilin, People's Republic of China ~72: Zheng Xueyou~

2023/00083 ~ Complete ~54:CULTIVATION METHOD SUITABLE FOR MACHINE-HARVESTED COTTON TO IMPROVE QUALITY AND INCREASE EFFICIENCY ~71:Xinjiang Agricultural and Reclamation Science, Xinjiang Academy Agricultural and Reclamation Science, 221 Wuyi Road, Shihezi City, Xinjiang Province, People's Republic of China ~72: CHEN Bing;FU Jihai;HAN Huanyong;LIN Hai;LIU Li;LIU Taijie;LU Xiaoyan;WANG Fangyong;WANG Qiong;WANG Xin;WANG Xuwen;YU Yu~

2023/00089 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR YANG DEFICIENCY PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China;Wu Zhengzhi, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Li Limin;Li Ziwen;Liang Shaoyu;Liu Zhanyan;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00091 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR DAMP HEAT PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China;Wu Zhengzhi, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Li Limin;Li Ziwen;Liang Shaoyu;Liu Zhanyan;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00099 ~ Complete ~54:ALUMINIUM AND EUROPIUM DOPED BETA GALLIUM OXIDE THIN FILMS DEPOSITION FOR LIGHT EMITTING DIODES ~71:Ala Vasubabu, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Amancha Swathi, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Chakka Kiran Kumar, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Jafar Ali Ibrahim Syed Masood, Department of IoT, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, 632014, India;Kondala Rao Sayana, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Rajasekar Srinivasan, Department of Physics, School of Science and Humanities, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Sravan kumar Badithala, Department of ECE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Srinivasa Rao Janga, Department of EEE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Surya Kalyan Chakravarthy Nidamanuri, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Syed Mohammad Ali, Student, Department of EEE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Venkateswarlu Buchepalli, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India ~72: Ala Vasubabu;Amancha Swathi;Chakka Kiran Kumar;Jafar Ali Ibrahim Syed Masood;Kondala Rao Sayana;Rajasekar Srinivasan;Sravan kumar Badithala;Srinivasa Rao Janga;Surya Kalyan Chakravarthy Nidamanuri;Syed Mohammad Ali;Venkateswarlu Buchepalli~

2023/00108 ~ Complete ~54:CRAWLER SLOPE CONE DRILLING MACHINE ~71:WUHAN JINRUIWEI FOUNDATION ENGINEERING CO., LTD., Building 2, No. 2, Jingnan Road, Shidajia village, Houhu Township, Jiangsu District, Wuhan City, Hubei Province, People's Republic of China ~72: BINGQIAN WU;DI WU;HANPING WU;JING XU;LEI YANG;LI JIANG;YAWEI WU;YI SONG;YONGYU LI;YUEGANG WU~

2023/00114 ~ Complete ~54:A PROCESS FOR EXTRACTING RESVERATROL FROM ROSELLE LEAVES ~71:GUO, Yongfeng, Rm. 1805, Unit 2, Building 2, 36 Dingjiashan Rd, Dachang Sub-District, Liuhe District, Nanjing City, Jiangsu Province, 210044, People's Republic of China;WANG, Taihu, Rm. 1805, Unit 2, Building 2, 36 Dingjiashan Rd, Dachang Sub-District, Liuhe District, Nanjing City, Jiangsu Province, 210044, People's Republic of China ~72: GUO, Yongfeng;WANG, Taihu~



2023/00121 ~ Complete ~54:A COMPOSITION AND METHOD TO DEVELOP AND ANALYZE MICRO SPONGES ~71:BINITA KUMARI, DEPARTMENT OF PHARMACEUTICS, PSG COLLEGE OF PHARMACY, COIMBATORE, TAMIL NADU, 641004, India;DR HARITHA S NATH, DEPARTMENT OF PHARMACY, PRACTICE, DR. DY PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH, MAHARASHTRA, 411018, India;DR. ABIJITH R, TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY, CHENNAI, TAMIL NADU, 600032, India;DR. BITSON AUGUSTINE, MEDANTA, THE MEDICITY,GURUGRAM, HARYANA, 122001, India;DR. MAHESHWARI VENGAT, MSC ONCOLOGY CHESTER MEDICAL SCHOOL UNIVERSITY OF CHESTER, United Kingdom;DR. MIDHUN MATHEW KIZHAKETHIL, DR D Y PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH, PIMPRI, PUNE, Maharashtra, 411018, India;DR. PRASHANT UPADHYAY, SCHOOL OF PHARMACEUTICAL SCIENCES, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, 244102, India;DR. RAJNANDINI SINGHA, TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY, CHENNAI, TAMIL NADU, 600032, India;DR. REMYA RADHAKRISHNAN, TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY, CHENNAI, TAMIL NADU, 600032, India;DR. SRUTHI NAIR, TAMILNADU DR. M.G.R. MEDICAL UNIVERSITY CHENNAI, TAMIL NADU, 600032, India;PRIYA VERMA, VIVEKANAND COLLAGE OF PHARMACY, RATIBAD, BHOPAL, MADHYA PRADESH, 462044, India;SHIVAM, RAMA UNIVERSITY, MANDHANA, KANPUR, UTTAR PRADESH, 209217, India ~72: BINITA KUMARI;DR HARITHA S NATH;DR. ABIJITH R;DR. BITSON AUGUSTINE;DR. MAHESHWARI VENGAT;DR. MIDHUN MATHEW KIZHAKETHIL;DR. PRASHANT UPADHYAY;DR. RAJNANDINI SINGHA;DR. REMYA RADHAKRISHNAN;DR. SRUTHI NAIR;PRIYA VERMA;SHIVAM~

2023/00126 ~ Complete ~54:BODY PROCESSING APPARATUS AND METHODS OF USE ~71:JA & JB BOYLE PTY LTD, 87 Main Street, Prosperpine, Australia ~72: BOYLE, Jeffrey Allan~ 33:AU ~31:2020902449 ~32:15/07/2020

2023/00135 ~ Complete ~54:SEQUENCE-SPECIFIC TARGETED TRANSPOSITION AND SELECTION AND SORTING OF NUCLEIC ACIDS ~71:ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, United Kingdom;ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: BELL, Emma;BOUTELL, Jonathan Mark;GATTI LAFRANCONI, Pietro;GORMLEY, Niall Anthony;MILLER, Oliver Jon;RICOULT, Sebastien Georg Gabriel;SCHNEIDER, Kim;STEEMERS, Frank J.~ 33:US ~31:63/066,905 ~32:18/08/2020;33:US ~31:63/066,906 ~32:18/08/2020;33:US ~31:63/162,775 ~32:18/03/2021;33:US ~31:63/163,381 ~32:19/03/2021;33:US ~31:63/168,753 ~32:31/03/2021;33:US ~31:63/228,344 ~32:02/08/2021

2023/00151 ~ Complete ~54:NON-TOBACCO ORAL NICOTINE POUCH COMPOSITION ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BRUUN, Heidi Ziegler;JAKOBSEN, Bine Hare;STAHL, My Ly Lao~ 33:DK ~31:PCT/DK2020/050159 ~32:05/06/2020;33:DK ~31:PCT/DK2020/050160 ~32:05/06/2020;33:DK ~31:PCT/DK2020/050161 ~32:05/06/2020;33:DK ~31:PCT/DK2020/050162 ~32:05/06/2020;33:DK ~31:PCT/DK2020/050163 ~32:05/06/2020

2023/00164 ~ Complete ~54:MODIFIED ALPHAVIRUS FOR USE AS COVID-19 VACCINE ~71:New York University, 70 Washington Square South, NEW YORK 10012, NY, USA, United States of America ~72: LIN, Ziyang;MARTINEZ, Alicia Hurtado;MERUELO, Daniel;OPP, Silvana;PAMPENO, Christine;SCAGLIONE, Antonella~ 33:US ~31:63/034,791 ~32:04/06/2020

2023/00169 ~ Complete ~54:METHOD FOR PRODUCING A CROSSLINKED LIGNIN WITH A HIGHLY SPECIFIED SURFACE AREA, CROSSLINKED LIGNIN, AND TECHNICAL RUBBER ARTICLES OR TIRES COMPRISING CROSSLINKED LIGNIN ~71:Koehler Innovation & Technology GmbH, Hauptstra&#223;e 2-4, OBERKIRCH 77704, GERMANY, Germany;SunCoal Industries GmbH, Rudolf-Diesel-Strasse 15, LUDWIGSFELDE 14974, GERMANY, Germany ~72: DAUTZENBERG, Geertje;PODSCHUN, Jacob;WITTMANN, Tobias~ 33:DE ~31:10 2020 208 683.4 ~32:10/07/2020;33:DE ~31:10 2021 100 142.0 ~32:07/01/2021

2023/00179 ~ Complete ~54:FEED ADDITIVE CAPABLE OF EFFECTIVELY IMPROVING SUBSTITUTION RATIO OF FISH MEAL IN COMPOUND FEED OF TRACHINOTUS OVATUS ~71:SOUTH CHINA AGRICULTURAL UNIVERSITY, NO.483, WUSHAN ROAD, TIANHE DISTRICT, People's Republic of China ~72: LI, Yuanyou;MA, Yongcai;XIE, Dizhi;ZHANG, Guanrong~

2023/00204 ~ Complete ~54:INDUSTRIALIZED PRODUCTION SYSTEM FOR PLEUROTUS OSTREATUS ~71:INSTITUTE OF PLANT NUTRITION AGRICULTURAL RESOURCES AND ENVIRONMENTAL SCIENCE, HENAN ACADEMY OF AGRICULTURAL SCIENCES, NO. 116, HUAYUAN ROAD, JINSHUI DISTRICT, ZHENGZHOU CITY, People's Republic of China ~72: KANG, Yuanchun;KONG, Weiwei;SONG, Zhibo;YUAN, Ruiqi;ZHANG, Yuting~ 33:CN ~31:202210634174.8 ~32:06/06/2022;33:WO ~31:PCT/CN2022/134874 ~32:29/11/2022

2023/00017 ~ Complete ~54:LIFE BUOY STORAGE DEVICE FOR SHIP SAFETY ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Shuangdong Liu;Yongzhi Hao~

2023/00019 ~ Complete ~54:A RAINPROOF DEVICE FOR THE EXHAUST PIPE OF VESSEL EMERGENCY GENERATOR SET ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Bo Sun;Huijun Liu;Jinbao Liu;Linjie Yan~

2023/00024 ~ Complete ~54:HIGH-EFFICIENCY VENTILATION COOLING SYSTEM OF PERMANENT MAGNET MOTOR ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No.111,Shenliao West Road,Economic&Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: CHEN Jian;HAO Daquan;JIA Jianguo;TONG Wenming;WANG Jin;WU Shengnan~

2023/00025 ~ Complete ~54:HEAT PIPE COOLING STRUCTURE FOR PERMANENT MAGNET MOTOR ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No.111,Shenliao West Road,Economic&Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: HAO Daquan;TONG Wenming;WANG Jin;WU Shengnan;ZHANG Hongkui;ZHAO Haoran~

2023/00028 ~ Complete ~54:WASHING DEVICE FOR PROCESSING QUICK-FROZEN VEGETABLES ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, No. 9, Donghua Road, Fengyang County, Anhui Province, 233100, People's Republic of China ~72: CHEN, Chunxu;DU, Chuanlai;PENG, Gang;YANG, Jianting;ZHANG, Qi;ZOU, Xiaoqian~

2023/00030 ~ Complete ~54:MAGNETIC LEVITATION COMPLEX WINDOW WITH AIR PURIFICATION FUNCTION ~71:WANG, Jianning, Gaojiatun Village Committee, Xicheng Sub-district Office, Qilin District, Qujing City, Yunnan Province, 655000, People's Republic of China ~72: WANG, Jianning~

2023/00033 ~ Complete ~54:FILM-MULCHING SEEDLING TRANSPLANTING PLOUGH ~71:HEILONGJIANG ACADEMY OF AGRICULTURAL MACHINERY SCIENCES, No. 156 Haping Road, Nangang District, Harbin City, Heilongjiang Province, 150081, People's Republic of China ~72: Chuandong DU;Daming SUN;Dehai JIN;Hongchen REN;Jing LI;Jingfeng YAN;Jinshi LI;Lei YU;Minghui ZHANG;Wei ZHENG;Xiuhai HAN;Ye TIAN;Yuan YIN;Zhanqiang XING;Zhongliang ZHAO~

2023/00038 ~ Complete ~54:METHOD AND ADSORBENT FOR EXTRACTING THALLIUM FROM SOIL POLLUTED BY LEAD-ZINC ORE TAILINGS ~71:ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 318, Liuhe Road, Hangzhou City, Zhejiang Province, 310023, People's Republic of China ~72: CHAI, Yanjun;DIAO, Chengmei;HU, Minjun;JIANG, Yugen;JIANG, Zihou;LI, Wenjin;LIU, Wanpeng;MENG, Jun;SHAN, Shengdao;YANG, Zaiwei;ZHANG, Jin~

2023/00043 ~ Complete ~54:METHOD FOR RAPID DETECTION OF STAPHYLOCOCCUS AUREUS BY BIOLAYER INTERFEROMETRY TECHNOLOGY ~71:Jilin University, No.5333 Xi'an Street, Changchun City, Jilin Province, People's Republic of China ~72: DENG Longxue;LI Shuang;LU Qi;SONG Huiyan;ZHANG Xiaoguang~

2023/00047 ~ Complete ~54:METHOD FOR HABITAT RESTORATION AND BIOLOGICAL IMPROVEMENT OF SALINE-ALKALI SOIL OF SEVERELY DEGRADED ECOSYSTEM IN ARID REGION ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY, CHINESE ACADEMY OF SCIENCES, No.818 Beijing South Road, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: CHEN Yanning;CHEN Yapeng;PAN Tingting;ZHU Chenggang~

2023/00049 ~ Complete ~54:METHOD FOR EFFICIENT CULTIVATION OF PASSION FRUIT ON SLOPING LAND ~71:Guizhou Botanical Garden (Guizhou Institute of Landscape Science, Guizhou Institute of Botany), No. 86, Luchongguan Road, Yunyan District, Guiyang, Guizhou, 550004, People's Republic of China ~72: CHEN Caixia;LI Jiayu;LONG Xiuqin;WANG Chen;WANG Ye;ZHANG Xiaoying;ZHANG Zixiong~

2023/00051 ~ Complete ~54:HUMAN POSTURE RECOGNITION SYSTEM BASED ON COMPUTER VISION ~71:HUAINAN NORMAL UNIVERSITY, Dongshan West Road, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China ~72: LI Yinyin;LIU Lei;LIU Qingyu;LIU Yihong;SUN Yeguo;XIAO Liqing;ZHANG Ke;ZHANG Long~

2023/00054 ~ Complete ~54:A DIFFUSION WEIGHTED IMAGING METHOD FOR FAST FLUID ATTENUATED INVERSION RECOVERY ~71:THE FIRST AFFILIATED HOSPITAL OF JINAN UNIVERSITY, the First Affiliated Hospital of Jinan University, 613 West Huangpu Dadao, Guangzhou City, Guangdong Province, People's Republic of China ~72: LIN Zhichao~

2023/00056 ~ Complete ~54:GALLERY FRAME STRUCTURE OF GARDEN LANDSCAPE ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: CHEN Yan;YANG Qiong;YUE Zixuan~

2023/00067 ~ Complete ~54:SAMPLE PREPARATION METHOD OF CRYO-ELECTRON MICROSCOPE FOR EUKARYOTIC CELL SAMPLES ~71:XIANGYA HOSPITAL CENTRAL SOUTH UNIVERSITY, 87 Xiangya Road, Changsha City, Hunan Province, People's Republic of China ~72: HU Jiajia;KUANG Xuyuan;LUO Hui;WANG E-33:CN ~31:202210131271.5 ~32:14/02/2022

2023/00071 ~ Complete ~54:COLLABORATIVE CONSTRUCTION METHOD OF REFINED GOODS SUPPLY CHAIN BASED ON BLOCKCHAIN TECHNOLOGY ~71:Zhejiang Wanli University, No. 8, South Qian Hu Road, Ningbo, Zhejiang, 315100, People's Republic of China ~72: YanLing Wang;ZIWei Zheng~

2023/00073 ~ Complete ~54:REINFORCEMENT METHOD AND APPARATUS OF GEOTECHNICAL ENGINEERING LANDSLIDE ~71:Tsinghua University, No. 1, Qinghuayuan, Haidian District, Beijing, 100084, People's Republic of China ~72: LI, Jian;LIU, Xiaoli;SONG, Danqing;WANG, Chengwen;YAN, Zongling;ZHANG, Jianwei;ZHANG, Yufang~

2023/00074 ~ Complete ~54:INTEGRATED PREVENTION AND CONTROL METHOD AND APPARATUS FOR TUNNEL WATER INRUSH DISASTER, DEVICE AND MEDIUM ~71:Tsinghua University, No. 1, Qinghuayuan, Haidian District, Beijing, 100084, People's Republic of China ~72: HU, Nan;HUANG, Jin;LI, Jian;LIU, Xiaoli;SONG, Danqing;WANG, Enzhi;WANG, Sijing;ZHANG, Yufang~

2023/00076 ~ Complete ~54:OSCILLATION COMPREHENSIVE VIRTUAL SIMULATION EXPERIMENT SYSTEM ~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: DU, Ruhai;HUANG, Yuhong;SONG, Yuxiao;WANG, Hengtong;ZHANG, Chen~

2023/00080 ~ Complete ~54:DIOSCOREA POLYSTACHYA ACTIVE PEPTIDE DRY POWDER, DIOSCOREA POLYSTACHYA ACTIVE PEPTIDE HEALTH CARE PRODUCT AND PREPARATION METHOD OF MICROCAPSULES THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: LI, Fangfei;LIN, Li;LU, Min;LU, Tie;WANG, Fumei;WANG, Heng;XIE, Zhaohui~

2023/00085 ~ Complete ~54:COLLOIDAL GOLD TEST STRIP FOR RAPIDLY DETECTING INFECTIOUS BRONCHITIS AND PREPARATION METHOD THEREOF ~71:Guangxi University, No.100 Daxue East Road, Nanning City, Guangxi, People's Republic of China ~72: CHEN Jiming;MO Meilan;ZHANG Taoni;ZHANG Yu;ZHAO Changrun~

2023/00090 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR PHLEGM-DAMPNESS PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China;Wu Zhengzhi, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Li Limin;Li Ziwen;Liang Shaoyu;Liu Zhanyan;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00094 ~ Complete ~54:TOTAL POLYSACCHARIDES OF HIPPOPHAE RHAMNOIDES AND PREPARATION METHOD THEREOF ~71:Xinjiang Agricultural University, No. 311, Nongda East Road, Shaibak District, Urumqi, Xinjiang, 830000, People's Republic of China;Xinjiang Seabuckthorn Deep Processing Engineering Technology Research Center, No. 68, Jialangqi Road, Akqi Town, Akqi County, Kizilsu Kirghiz Autonomous Prefecture, Xinjiang, 843599, People's Republic of China;Xinjiang Zhongke Seabuckthorn Technology Co., Ltd., No. 68, Jialangqi Road, Akqi Town, Akqi County, Kizilsu Kirghiz Autonomous Prefecture, Xinjiang, 843599, People's Republic of China ~72: BAI, Dongwen;BAO, Xiaowei;JIANG, Junfeng;JIN, Weiquan;SUN, Jiali;WU, Tonghua;XU, Jun;XU, Xianyao~

2023/00097 ~ Complete ~54:SYNERGISTIC TREATMENT OF BACTERIA AND ENZYMES TO IMPROVE THE NUTRITIONAL VALUE OF CANOLA MEAL ~71:Hunan Agricultural University, Hunan Agricultural University, Donghu Street, Furong District, Changsha City, Hunan Province, 410128, People's Republic of China ~72: Bi'e Tan;Hao CHENG;Jie YIN;Jing WANG;Xiaokang MA;Yujie ZHAO~

2023/00102 ~ Complete ~54:ACQUISITION SYSTEM FOR BIOELECTRICAL SIGNALS ~71:Guizhou University of Finance and Economics, University Town, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LIU, Zuozhi;YUAN, Quan~

2023/00106 ~ Complete ~54:A NEW APPLICATION OF A COMBRETASTATIN A-4 DERIVATIVE ~71:North China University of Science and Technology, 21 Bohai Road, Xincheng Street, Caofeidian District, Tangshan City, Hebei Province, 063210, People's Republic of China ~72: Chunteng Zhang;Dayong Zheng;Han Yan;Jiaxuan Bai;Lixun Lv;Menghui Hou;Tongtong Zhang~

2023/00113 ~ Complete ~54:METHOD AND DEVICE FOR DETECTING ABNORMAL-STATE VIBRATION SOUND OF TRANSFORMER ~71:GUANGDONG UNIVERSITY OF PETROCHEMICAL TECHNOLOGY, 139 GuandDu ErLu, Maoming, Guangdong, 525000, People's Republic of China ~72: ZHAI, Mingyue~

2023/00119 ~ Complete ~54:A FLAME CARTRIDGE FOR HIGH TEMPERATURE GASIFICATION CRACKING OF LIQUID AMMONIA ~71:Harbin Engineering University, No.145,Nantong Street, Nangang District,Harbin, Heilongjiang Province, People's Republic of China ~72: Deng Fuquan;Zhao Minwei~

2023/00124 ~ Complete ~54:ULTRASONIC EXCITATION CIRCUIT ~71:TIANJIN UNIVERSITY OF TECHNOLOGY, 391 Binshui Xidao, Xiqing District, Tianjin, 300384, People's Republic of China ~72: GAO, Qiang;GAO, Yunfei;LI, Dong;LIU, Junjie;SONG, Yu;ZHANG, Haobo;ZHANG, Zixuan~ 33:CN ~31:202111072289.4 ~32:14/09/2021

2023/00130 ~ Complete ~54:WATER CUP SUITABLE FOR PATIENT WITH DYSPHAGIA ~71:HENAN PROVINCE HOSPITAL OF TRADITIONAL CHINESE MEDICINE (THE SECOND AFFILIATED HOSPITAL OF HENAN UNIVERSITY OF TRADITIONAL CHINESE MEDICINE), 6 Dongfeng Road, Zhengzhou, Henan, 450002, People's Republic of China ~72: FENG, Xiaodong;HUA, Xiaoqiong;JIN, Xiaoqin;LI, Ruiqing;LI, Yanjie;LIU, Haoyuan;QIAO, Dongge;QIN, Hwei;ZHANG, Shuqin~ 33:CN ~31:202121303545.1 ~32:10/06/2021

2023/00133 ~ Complete ~54:A COOKING METHOD ~71:AMPPC FINLAND OY, Anni Swaninkatu 2A 17, Finland ~72: KURKI, Matti~ 33:FI ~31:20205724 ~32:06/07/2020

2023/00011 ~ Complete ~54:A SIMPLE AND RAPID METHOD FOR PREPARING THE GRAPHDIYNE GOLD NANO COMPOSITE MATERIAL ~71:GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE, Xueyuan Road, Qixingguan District, Bijie City, Guizhou Province, People's Republic of China ~72: Xia Zhi;Zhang Yu~

2023/00014 ~ Complete ~54:GROUTING METHOD FOR PREVENTING STRATUM SOIL LOSS OR GROUND SURFACE SETTLEMENT ~71:The Third Construction CO., LTD of China Construction Third Engineering Bureau, No. 552, First road of Guanshan, Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: Ailian Liu;Chuanzhou Dong;Meng Wang;Tianjing Wang;Zhen Xu;Ziwei Chen~ 33:CN ~31:2022106892577 ~32:17/06/2022

2023/00020 ~ Complete ~54:AN ANCHORING AUXILIARY DEVICE FOR SHIPS ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Qilei Yang;Xiaoping He~

2023/00022 ~ Complete ~54:HYBRID EXCITATION SYNCHRONOUS MOTOR WITH WIDE SPEED REGULATION RANGE ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No.111,Shenliao West Road,Economic&Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: HOU Yongqiang;JIA Jianguo;NING Jie;TONG Wenming;WANG Jin;WU Shengnan~

2023/00035 ~ Complete ~54:MEDICAL SCALPEL HANDLE ~71:AFFILIATED HOSPITAL OF WEIFANG MEDICAL UNIVERSITY, No. 2428, Yuhe Road, Kuiwen District, Weifang City, Shandong Province, People's Republic of China;WEIFANG MEDICAL UNIVERSITY, No. 7166, Baotong West Street, Weicheng District, Weifang City, Shandong Province, People's Republic of China ~72: FENG Shuo;JIANG Jun;PAN Bin;SUN Yingui~

2023/00042 ~ Complete ~54:MINE GOAF WATER PURIFICATION AND POWER GENERATION SYSTEM ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan City, Hebei Province, 063210, People's Republic of China ~72: CAI, Ruiyang;WANG, Hao;ZHANG, Duo~

2023/00050 ~ Complete ~54:POLLINATION METHOD FOR IMPROVING BLUEBERRY YIELD ~71:Guizhou Institute of Integrated Agricultural Development, Jinxin Community, Huaxi District, Guiyang, Guizhou, People's Republic of China ~72: HE Xingjiang;WAN Wei;WEI Xiaoping;WENG Qingbei;YAO Dan;ZHAN Hongping;ZHOU Wencai~

2023/00061 ~ Complete ~54:NURSING DEVICE FOR PAIN ~71:Xuzhou Medical University, No. 209, Tongshan Road,, Xuzhou,, Jiangsu Province, 221004, People's Republic of China ~72: FANG, Yu;NIU, Tianchen;ZHANG, Xiaoman~

2023/00065 ~ Complete ~54:FERTILIZATION MODE FOR PROMOTING EARLY GROWTH AND RAPID DEVELOPMENT OF FLUE-CURED TOBACCO ~71:Hunan Tobacco Company Zhuzhou Company, No. 1377 Taizi Road, Lusong District, Zhuzhou City, Hunan Province, People's Republic of China ~72: CAI Qi;CHEN Shunyao;DENG Xiaohua;HE Wei;HUANG Qionghui;LIU Zhaowei;WANG Xinyue;XIE Huiya;XUE Jianye;ZHANG Hongbing;ZHANG Hongbo;ZHANG Yang;ZHOU Yi~

2023/00086 ~ Complete ~54:A STEEL BONDED CARBIDE AND THE PREPARATION METHOD AND APPLICATION THEREOF ~71:Zhengzhou Machinery Research Institute Co., Ltd., No.149 Kexue Avenue, Hi-tech Development Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China;Zhengzhou University, No.100 Kexue Avenue, Hi-tech Development Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: Haiyan Zhang;Shaokang Guan;Wei Wei;Wei Yang;Zhiquan Huang~ 33:CN ~31:202210002956.X ~32:04/01/2022

2023/00093 ~ Complete ~54:APPLICATION OF GALECTIN-3 IN DIAGNOSIS, TREATMENT, AND PROGNOSIS OF HEPATOCELLULAR CARCINOMA BONE METASTASIS ~71:Sun Yat-sen University, No. 135, Xingang Xi Road, Guangzhou, 510275, People's Republic of China;The First Affiliated Hospital, Sun Yat-sen University, No. 58 Zhongshan Er Road, Guangzhou, Guangdong Province, 510080, People's Republic of China ~72: Jun LI;Libing SONG;Shuxia ZHANG;Yingru XU~

2023/00100 ~ Complete ~54:SYNTHESIS AND APPLICATION OF IONIC LIQUIDS AS AN ADDITIVE OF DUAL NOZZLE MQL LUBRICANT IN HARD TURNING ~71:Alhaf Malik Kaja Mohaideen, King Saud University, Riyadh, Kingdom of Saudi Arabia, Saudi Arabia;Anitha Setti, Department of ECE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Bahunadam Ramana, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Ganta Srinivasa Rao, Department of Mathematics, School of Science and Humanities, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Jafar Ali Ibrahim Syed Masood, Department of IoT, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, 632014, India;Naga Raju Nidamanuri, Department of EEE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Palakeeti Kiran, Department of IT, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Pureti Anusha, Department of CSE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Somaluru Venkateswara Reddy, Student, Department of ECE, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Surya Kalyan Chakravarthy Nidamanuri, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India;Vidyanadha Babu Dubisetty, Department of S&H, QIS College of Engineering & Technology, Vengamukkapalem, Ongole, Andhra Pradesh, 523272, India ~72: Alhaf Malik Kaja Mohaideen;Anitha Setti;Bahunadam Ramana;Ganta Srinivasa Rao;Jafar Ali Ibrahim Syed Masood;Naga Raju Nidamanuri;Palakeeti Kiran;Pureti Anusha;Somaluru Venkateswara Reddy;Surya Kalyan Chakravarthy Nidamanuri;Vidyanadha Babu Dubisetty~

2023/00104 ~ Complete ~54:OVERSPEED EMERGENCY BRAKING SYSTEM FOR BELT INSPECTION ROBOT ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Gao Guijun;Kou Ziming;Ren Wei;Zhang Wanli;Zhao Jinchen~

2023/00107 ~ Complete ~54:PHARMACEUTICALLY ACCEPTABLE SALTS OF SEPIAPTERIN ~71:PTC THERAPEUTICS MP, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: DANIEL E LEVY;HIROSHI YOSHINO;JONATHAN REIS;KAITO KISHIMOTO;NEIL SMITH;SHUNICHI MURATA;TAICHI KOMODA;TAKAYOSHI MATSUMOTO;YUICHI SHIRO~ 33:US ~31:62/678,025 ~32:30/05/2018;33:US ~31:62/726,612 ~32:04/09/2018;33:US ~31:62/822,336 ~32:22/03/2019;33:GC ~31:2019/37661 ~32:28/05/2019

2023/00137 ~ Complete ~54:METHOD FOR PREPARING LOW-TEMPERATURE CURING POWDER COATING BY POST-MIXING AND RELATED COMPOSITE NANO LOW-TEMPERATURE CURING CATALYST AND PREPARATION METHOD THEREOF ~71:Wesdon River Powder Paint Scientific Research Co., Ltd., No. A1-1, Nanhai Plainvim International Smart Industrial Park, No. 12-1, Huasha Road, Shishan Town, Nanhai District, Foshan, Guangdong, 528200, People's Republic of China ~72: Hui ZHANG;Jingxu ZHU~ 33:CN ~31:202110695685.6 ~32:23/06/2021

2023/00144 ~ Complete ~54:METHOD FOR MONITORING OF LEAK-TIGHTNESS AND DETECTION OF LEAKS IN A PIPELINE WITH A VALVE ~71:JOINT STOCK COMPANY "ROSENERGOATOM", 25 Ferganskaya Street, Russian Federation;NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPhI (MOSCOW ENGINEERING PHYSICS INSTITUTE), 31 Kashirskoye Highway, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: ABIDOVA, Elena Aleksandrovna;SINELSHCHIKOV, Pavel Vladimirovich~ 33:RU ~31:2020128921 ~32:01/09/2020

2023/00149 ~ Complete ~54:A SYSTEM AND A METHOD FOR REDUCING PARTICULATE POLLUTANTS IN AIR, USING PULSED ELECTROMAGNETIC WAVES ~71:DEVIC EARTH PRIVATE LIMITED, 1st Floor, Sai Lakshmi Industries, Whitefield-Hoskote Road, India ~72: KALAVATHI, Francisca;KANNIGANTI, Radhica;MENON, Malini;SOLA, Srikanth~ 33:IN ~31:202041023125 ~32:02/06/2020

2023/00155 ~ Complete ~54:LAYOUT METHOD OF APPROACH CHANNEL ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JINGJUN LI~ 33:CN ~31:2022108760572 ~32:25/07/2022

2023/00163 ~ Complete ~54:MICROBIOME ANALYTICS SUCH AS FOR ANIMAL NUTRITION MANAGEMENT ~71:CAN Technologies, Inc., 15407 McGinty Road West, WAYZATA 55391, MN, USA, United States of America ~72: DE OLIVEIRA, Jean E.;MCINTOSH, Vernon L.~ 33:US ~31:63/032,376 ~32:29/05/2020

2023/00134 ~ Complete ~54:MULTI-USE, REUSABLE, SPILL PROOF PACKAGE FOR FLUIDS WITHOUT A REMOVABLE OR SEPARABLE CLOSURE ~71:POPPACK LLC, 301 Junipero Serra Boulevard Suite 220, United States of America ~72: HARRISON, Cheryl Elizabeth;PERELL, William S.~ 33:US ~31:63/038,028 ~32:11/06/2020

2023/00140 ~ Complete ~54:ARRANGEMENT AND SYSTEM FOR REPAIRING THE LINING OF A SPENT FUEL POOL ~71:JOINT STOCK COMPANY "ROSENERGOATOM", 25 Ferganskaya Street, Russian Federation;JSC "NPO "TSNIITMASH, Sharikopodshipnikovskaya st., 4, Russian Federation;LLC "SKTB PR", Volgogradskiy prospekt, 42, korp. 5, etazh 2, sektor D, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: BASHLAI, Anton Pavlovich;BATANOV, Aleksandr Fedorovich;CHERTOV, Sviatoslav Ivanovich;GOROKHOV, Sergei Mikhailovich;LAVERYCHEV, Ilya Gennadievich;MAKAROV, Ivan Vasilievich;RAZYGRAEV, Nikolai Pavlovich;SHUBNIAKOV, Dmitrii Vladimirovich;TRUKH, Sergei Fedorovich;TRUKHANOV, Kirill Alekseevich;VOLOBUEV, Yuriy Sergeevich;VOROB'EV, Dmitrii Valerevich~ 33:RU ~31:2020136088 ~32:03/11/2020;33:RU ~31:2020136095 ~32:03/11/2020

2023/00146 ~ Complete ~54:BRIDGE DEFORMATION MONITORING METHOD FUSING GNSS DATA AND INSAR TECHNOLOGY ~71:CHECC DATA CO., LTD., Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;CHECC HIGHWAY MAINTENANCE AND TEST TECHNOLOGY CO. LTD., Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;CHINA HIGHWAY ENGINEERING

CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116 Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China ~72: CUI, Yuping;DONG, Yuanshuai;HOU, Yun;LI, Wang;SONG, Zhangliang;YANG, Xuan;ZHANG, Peng;ZHANG, Yunling~ 33:CN ~31:202110911658.8 ~32:10/08/2021

2023/00157 ~ Complete ~54:ISLAND BREAKWATER ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: XINRUI XIA~ 33:CN ~31:2022108844188 ~32:25/07/2022

2023/00159 ~ Complete ~54:A RAILROAD SLEEPER ~71:BRASKEM S.A., Rua Eteno, 1561 Complexo Petroquimico de Camaçari, Camaçari - BA, 42810-000, Brazil ~72: CLAUDIO PEREIRA DA SILVA ZAMITH;DANIEL WENZER TREVIZAN;GUILHERME LONGA NOSE;JORGE LUIS GOUDENE SPADA;LUIZ FRANCISCO MUNIZ DA SILVA;RENATO TEIXEIRA VARGAS;WALTER VIDON JUNIOR~ 33:US ~31:16/891,102 ~32:03/06/2020;33:BR ~31:BR 13 2020 023070 0 ~32:11/11/2020

2023/00162 ~ Complete ~54:APPARATUS AND METHOD FOR ROASTING COFFEE BEANS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: DEL REY, Jonathan;JANET MAITRE, Ghislain;ROUSSELIN, Frank;SAVIOZ, Gregory~ 33:EP ~31:20179357.7 ~32:10/06/2020

2023/00170 ~ Complete ~54:VISCOSITY REDUCING EXCIPIENTS AND COMBINATIONS THEREOF FOR HIGHLY CONCENTRATED PROTEIN FORMULATIONS ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293, GERMANY, Germany ~72: BRAUN, Stefan;ROSENKRANZ, Tobias~ 33:EP ~31:20185558.2 ~32:13/07/2020;33:EP ~31:20204464.0 ~32:28/10/2020

2023/00001 ~ Provisional ~54:A COSMETIC PEEL COMPOSITION ~71:SKIN REJUVENATION TECHNOLOGIES (PTY) LTD, 55 REGENCY DRIVE, ROUTE 21 CORPORATE PARK, South Africa ~72: DEPFENHART, DR MARKUS;GELDENHUYS, GENNA-LEIGH~

2023/00005 ~ Provisional ~54:PATENT APPLICATION FOR AN ELECTROCHEMICAL/OPTICAL DNA SENSOR BASED MICROFLUIDIC SEQUENCING & DIAGNOSTIC TECHNOLOGY ~71:Rabutla Kabelo, Makhwibidung, South Africa ~72: Rabutla Kabelo~ 33:ZA ~31:P224084420 ~32:30/08/2022

2023/00008 ~ Complete ~54:PLANT BRANCH CONDUIT WATER EXTRACTION DEVICE BASED ON WATER POTENTIAL AND APPLICATION METHOD THEREOF ~71:Sichuan University, No. 24, Section 1, 1st Ring Road South, Wuhou District, Chengdu City, Sichuan Province, People's Republic of China ~72: DONG Wenchang;HU Zhaoyong;SONG Chunlin;SUN Juying;SUN Xiangyang;WANG Genxu~

2023/00018 ~ Complete ~54:NAVIGATION INSTRUMENT FIXING SUPPORT ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Chao Xu;Haixia Wu;Linchun Chen~

2023/00023 ~ Complete ~54:COOLING SYSTEM STRUCTURE OF PERMANENT MAGNET MOTOR ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No.111, Shenliao West Road, Economic & Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: HAO Daquan;JIA Jianguo;TONG Wenming;WANG Jin;WU Shengnan;ZHANG Hongkui~

2023/00031 ~ Complete ~54:METHOD FOR INCREASING ACTIVE INGREDIENTS IN FRUIT AND VEGETABLE ENZYMES ~71:SHANXI AGRICULTURAL UNIVERSITY SHANXI FUNCTIONAL FOOD RESEARCH INSTITUTE, No.79 Longcheng Street, Taiyuan, Shanxi Province, 030030, People's Republic of China ~72: DING, Weiyang;GUO, Shang;HAN, Jiming;MAO, Kai;YANG, Chun;YE, Zheng;ZHANG, Jiangning~



2023/00036 ~ Complete ~54:POSITION AND ATTITUDE IDENTIFICATION METHOD FOR THE UNDERGROUND SUMP AUTOMATIC CLEANING ROBOT ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Duan Zhen;Gao Guijun;Jia Xuefeng;Li Guihu;Wang Yandong~

2023/00037 ~ Complete ~54:SALT SEPARATION AND RECOVERY DEVICE ~71:Ocean University of China, 238 Songling Road, Laoshan District, Qingdao, Shandong Province, 266101, People's Republic of China;The Institute of Seawater Desalination and Multipurpose Utilization, MNR(Tianjin), No. 55, Hanghai Road, Nankai District, Tianjin, 300192, People's Republic of China ~72: HUANG, Xiping;LI, Fengmin;LI, Yuanyuan;SONG, Da;SONG, Hanwen;WANG, Yuqi;YAO, Ying;ZHANG, Hui;ZHANG, Qi~

2023/00044 ~ Complete ~54:QUANTITATIVE EVALUATION AND DESIGN METHOD OF SOFTWARE TRUSTWORTHINESS ~71:EAST CHINA NORMAL UNIVERSITY, No. 3663 North Zhongshan Road, Putuo District, Shanghai, 200062, People's Republic of China ~72: CHEN Yixiang;LI Yan;MA Yujing;WANG Baohua~

2023/00453 ~ Provisional ~54:MEASUREMENT ~71:SMIT: DIRK VAN ZYL, PLOT 37, MOUNTAIN DRIVE, DERDEPOORT, South Africa;SMIT: HENDRIK VAN ZYL, 98 SELROSE PARK, 5 GRIFFITH AVENUE, EQUESTRIA, South Africa ~72: SMIT: DIRK VAN ZYL ;SMIT: HENDRIK VAN ZYL ~

2023/00178 ~ Complete ~54:COMPOUND FEED FOR YOUNG FISH OF TRACHINOTUS OVATUS CAPABLE OF EFFICIENTLY SUBSTITUTING FISH MEAL BY ANIMAL AND PLANT COMPOUND PROTEIN ~71:SOUTH CHINA AGRICULTURAL UNIVERSITY, NO.483, WUSHAN ROAD, TIANHE DISTRICT, GUANGZHOU CITY, People's Republic of China ~72: LI, Yuanyou;MA, Yongcai;XIE, Dizhi;XU, Chao~

2023/00002 ~ Provisional ~54:9 ENGINES (HEAT ENGINE, RACK PISTON ENGINE, HYDRAULIC ENGINE, BELTED PISTON ENGINE, TORQUE PISTON ENGINE, AC MOTORS AND AMBICURRENT SOLE CONDUCTOR MOTORS) AND A NON-NEWTONIAN FLUID SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/04832 ~32:03/05/2022

2023/00006 ~ Provisional ~54:FUEL CELLS POWERED SELF-HEATING AND SELF-COOLING DINNERWARE AND KITCHENWARE, AND OTHER INVENTIONS ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/00472 ~32:11/01/2022

2023/00012 ~ Complete ~54:A PREPARATION METHOD OF DETERMINATION REAGENT FOR CATECHOL, HYDROQUINONE, PHENOL AND P-NITROPHENOL ~71:GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE, Xueyuan Road, Qixingguan District, Bijie City, Guizhou Province, People's Republic of China ~72: Xia Zhi;Zhang Yu~

2023/00015 ~ Complete ~54:VISIBLE LIGHT AND INFRARED IMAGE FUSION TRACKING METHOD, DEVICE AND STORAGE MEDIUM ~71:Sichuan University of Science & Engineering, No.519 Huixing Road, Ziliujing District, Zigong City, Sichuan Province, People's Republic of China ~72: LIU Jun;LUO Zhongqiang;XIONG Xingzhong~

2023/00021 ~ Complete ~54:AUTONOMOUS TRACKING AND SHOOTING DEVICE OF UNDERWATER VEHICLES ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Haifen Yu;Wenliang Wang;Xunwen Liu;Yifang Xu~ 33:CN ~31:202220322170.1 ~32:17/02/2022

2023/00027 ~ Complete ~54:ULTRA-SHORT FINE SOFT FIBER PILE SPINNING DEVICE ~71:Yancheng Polytechnic College, 285 Jiefang South Road, Yancheng City, Jiangsu Province, People's Republic of China ~72:

DING Chen;FAN Lishan;WANG Huiling;WANG Qianwen;ZHANG Shengzhong;ZHAO Jumei;ZHAO Lei;ZHOU Bin;ZHOU Hongtao~

2023/00032 ~ Complete ~54:A PLANTING METHOD FOR STEREOSCOPIC LANDSCAPE AGRICULTURE WITH RAPES AND PEACH BLOOMS IN NYINGCHI, TIBET ~71:Agricultural Research Institute, Tibet Academy of Agricultural and Animal Husbandry Sponsored, No. 157, Jinzhu West Road, Lhasa, Tibet Autonomous Region, 850032, People's Republic of China ~72: LI. Shimeng;NAN, Zhiqiang;NIMA, Tsering;TANG, Lin;TSERING, Baizhen;WANG, Jinxiang;WU, Qinan;Xireqiangma;YANG, Guanghuan;YUAN, Yuting;ZHAO, Caixia~

2023/00040 ~ Complete ~54:EFFICIENT PLANTING METHOD OF BLETILLA STRIATA ~71:Guizhou Botanical Garden (Guizhou Institute of Landscape Science, Guizhou Institute of Botany), No. 86, Luchongguan Road, Yunyan District, Guiyang, Guizhou, 550004, People's Republic of China ~72: CHEN Caixia;ZHANG Jiachun;ZHANG Zixiong~

2023/00053 ~ Complete ~54:MOLECULAR MARKER LINKED WITH MAJOR QTL LOCUS IN FLOWERING STAGE OF BRASSICA NAPUS AND APPLICATION THEREOF ~71:Anhui Science And Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: CHEN Lei;CHENG Xinxin;FAN Zhixiong;HE Wangfei;HUANG Weidong;LEI Weixia;WANG Hongjuan~

2023/00058 ~ Complete ~54:A DC ISOLATION SWITCH CABINET FOR METRO LINES ~71:Shandong Taikai Disconnecter Co Ltd, Longtan South Road, High tech Development Zone, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Chuanhu HOU;Fantian LIN;Hengcai JU;Jian LI;Shancheng LI;Tigui ZHANG;Yuzhen ZHAO;Zipei XIN~

2023/00062 ~ Complete ~54:BREEDING METHOD FOR PURPLE-FLOWERED RAPE ~71:Huzhou Agricultural Science and Technology Development Center, No. 768, Luwang Road, Wuxing District, Huzhou City, Zhejiang Province, 313009, People's Republic of China;Zhejiang Academy of Agricultural Sciences, No. 198, Shiqiao Road, Hangzhou City, Zhejiang Province, 310021, People's Republic of China ~72: HAO, Pengfei;HU, Hao;HUA, Shuijin;LIN, Baogang;LIU, Han;LOU, Weidong;REN, Yun~

2023/00066 ~ Complete ~54:BACTERIAL FERTILIZER FOR CONTROLLING SUGARCANE SMUT AND PREPARATION METHOD THEREOF ~71:Guangxi University, Guangxi University, No. 100, East University Road, Nanning, Guangxi, 530005, People's Republic of China ~72: BAO Yixue;CHEN Jun;CUI Xindi;JIANG Hongtao;LI Huojian;ZHANG Muqing~

2023/00069 ~ Complete ~54:CORROSION-RESISTANT MAGNESIUM-ALUMINUM ALLOY AND PREPARATION METHOD THEREOF ~71:Jiangsu Ocean University, No.59 Cangwu Road, Haizhou District, Lianyungang City, Jiangsu Province, People's Republic of China ~72: CHEN Jinsong;DING Yunfei;LI He;MA Qian;XI Baicheng;YANG Yuting;ZHANG Shihao~

2023/00070 ~ Complete ~54:MECHANICAL SELF-GENERATING SUITCASE ~71:Dalian Jiaotong University, Dalian Jiaotong University, 794 Huanghe Road, Xinggong Street, Shahekou District, Dalian City, Liaoning Province, People's Republic of China ~72: Jiao xingye;Yang liang~

2023/00072 ~ Complete ~54:MULTIVARIATE MULTIDOMAIN PERCEPTION MONITORING METHOD FOR SEISMIC DYNAMIC RESPONSE AND DISASTER PROCESS OF SIDE SLOPE ~71:Tsinghua University, No. 1, Qinghuayuan, Haidian District, Beijing, 100084, People's Republic of China ~72: LI, Jian;LIU, Xiaoli;SONG, Danqing;WANG, Chengwen;YAN, Zongling;ZHANG, Jianwei;ZHANG, Yufang~

2023/00077 ~ Complete ~54:GEOTHERMAL FLOOR WITH WING FRAME STRUCTURE ~71:Heilongjiang Institute of Wood Science, No. 134, Haping Road, Nangang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: LI Chenqi;MAO Lei;WANG Qi;YAN Chao;ZHAO Simiao~

2023/00079 ~ Complete ~54:AUTOMATIC CLEANING AND MOPPING ROBOT ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China ~72: WANG Ling~

2023/00082 ~ Complete ~54:A MONITORING METHOD OF SOIL ORGANIC CARBON DATA BASED ON SURVEY SAMPLES, SOIL MODELS, REMOTE SENSING IMAGES AND GIS SPATIAL ANALYSIS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Chuanjiao Pan;Minglei Song;Songfeng Gao;Yanyan Zhan;Yuhua Wang;Zhan Liu;Zhanhui Zhao~

2023/00084 ~ Complete ~54:METHOD FOR EVALUATING APPLICABILITY OF AWD RICE CARBON REDUCTION TECHNOLOGY ~71:Institute of Environment and Sustainable Development in Agriculture, Chinese Academy of Agricultural Sciences, No. 12, Zhongguancun South Street, Haidian District, Beijing, 100081, People's Republic of China ~72: FAN, Meirong;LIAO, Yulin;QIN, Xiaobo;WAN, Yunfan;WANG, Bin~

2023/00088 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR QI DEFICIENCY PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China;Wu Zhengzhi, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Li Limin;Li Ziwen;Liang Shaoyu;Liu Zhanyan;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00092 ~ Complete ~54:A TRADITIONAL CHINESE MEDICINE COMPOSITION FOR THE TREATMENT OF ALTITUDE SICKNESS AND A PREPARATION METHOD THEREOF ~71:General Hospital of the Western Theater Command of the PLA, No 270, Rongdu Avenue, Jinniu District, Chengdu City, Sichuan Province, 611830, People's Republic of China ~72: Jiao Yan;Min Yang;Tao Liu;Ting Luo;Wan Li;Wenwen Zhao;Xiangyu Huang;Xingbiao Yang;Yang Wu;Yiling Sun~

2023/00111 ~ Complete ~54:A FERTILIZER OBTAINED BY FERMENTATION OF ORGANIC MATTERS AND A PREPARATION METHOD THEREOF ~71:XIONG, Wanguo, Group 3, Shiguan Village, Yubei District, Chongqing, 401120, People's Republic of China ~72: XIONG, Wanguo~

2023/00116 ~ Complete ~54:HIGH-TEMPERATURE SEALING LUBRICATING GREASE AND PREPARATION METHOD THEREOF ~71:XINXIANG HENGXING TECHNOLOGY CO., LTD., 200 Meters to the East of Intersection of Yingbin Avenue and Guangda Road, Xinxiang Economic and Technological Development Zone, Xinxiang City, Henan, 453000, People's Republic of China ~72: FENG, Yangyang;QI, Ruiqin;SONG, Shangzhen;ZHOU, Cuixia;ZHOU, Zhongtai~ 33:CN ~31:202111659140.6 ~32:31/12/2021

2023/00120 ~ Complete ~54:A COMPOSITION AND METHOD FOR PREPARING AND ANALYZING PETROLEUM ETHER EXTRACT OF GLYCYRRHIZA GLABRA L ~71:ARCHANA GUPTA, RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, 5KM STONE DELHI-MEERUT ROAD, NEAR RAJ NAGAR EXTENSION, GHAZIABAD, UTTAR PRADESH, 201003, India;DR. BHUWANENDRA SINGH, Department of Pharmacognosy, SD college of Pharmacy & Vocational Studies, Bhopa Road, Muzaffarnagar, Uttar Pradesh, 251001, India;DR. KARUNAKAR HEGDE, SRINIVAS COLLEGE OF PHARMACY, VALACHIL, POST- FARANGEPETE, MANGALORE, KARNATAKA, 574143, India;DR. PADMINI SHUKLA, ASSISTANT PROFESSOR, FACULTY OF PHARMACY, UTTAR PRADESH UNIVERSITY OF MEDICAL SCIENCES, SAIFAI, ETAWAH, Uttar Pradesh, 206130, India;DR. PRABODH SHUKLA, ASSISTANT PROFESSOR, FACULTY OF PHARMACY, UTTAR PRADESH UNIVERSITY OF MEDICAL SCIENCES, SAIFAI, ETAWAH, Uttar Pradesh, 206130, India;DR.

SHUCHI DAVE MEHTA, GURU RAMDAS KHALSA INSTITUTE OF SCIENCE AND TECHNOLOGY (PHARMACY), BARELA, KUKRIKHEDA, JABALPUR, MADHYA.PRADESH, 483001, India;DR. SUKIRTI UPADHYAY, SCHOOL OF PHARMACEUTICAL SCIENCES, IFTM UNIVERSITY, MORADABAD, UTTAR PRADESH, 244102, India;Dr. ANIL KUMAR VENKATEGOWDA KODIHALLY, Dept. Of Pharmacology, Visveswarapura Institute of Pharmaceutical Sciences, 22nd Main, 24th Cross, BSK 2nd Stage, Bengaluru, Karnataka, 560070, India;LALCHAND DAYANAND DEVHARE, SCHOOL OF PHARMACY, G H RAISONI UNIVERSITY, GRAM DHODA BORGAON, SAIKHEDA, THA.SAUSAR, DIST.CHHINDWARA, MADHYA.PRADESH, 480337, India;NEHA SINGH, S.R.L.T. GROUP OF INSTITUTIONS NH#2, KANPUR-DELHI ROAD, EKDIL, ETAWAH, UTTAR PRADESH, 206001, India;RUCHI RANI, SUNDER DEEP PHARMACY COLLEGE GHAZIABAD, NH-24, DELHI-HAPUR ROAD, DASNA-201002, GHAZIABAD, UTTAR PRADESH, 201002, India;SHIKHA SHARMA, DEPARTMENT OF PHARMACEUTICAL SCIENCE, LORDS UNIVERSITY, ALWAR, RAJASTHAN, 301028, India;SURABHI DWIVEDI, SCPM COLLEGE OF PHARMACY, LUCKNOW ROAD, HARIPUR, GONDA, UTTAR PRADESH, 271003, India ~72: ARCHANA GUPTA;DR. BHUWANENDRA SINGH;DR. KARUNAKAR HEGDE;DR. PADMINI SHUKLA;DR. PRABODH SHUKLA;DR. SHUCHI DAVE MEHTA;DR. SUKIRTI UPADHYAY;Dr. ANIL KUMAR VENKATEGOWDA KODIHALLY;LALCHAND DAYANAND DEVHARE;NEHA SINGH;RUCHI RANI;SHIKHA SHARMA;SURABHI DWIVEDI~

2023/00127 ~ Complete ~54:INTER-FRAME PREDICTION METHOD, ENCODER, DECODER, AND COMPUTER STORAGE MEDIUM ~71:GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD., No. 18 Haibin Road, Wusha, Chang&#39;an, People's Republic of China ~72: XIE, Zhihuang~ 33:CN ~31:202010845318.5 ~32:20/08/2020

2023/00136 ~ Complete ~54:METHODS OF DETECTING SARS-COV-2, INFLUENZA, AND RSV ~71:CEPHEID, 904 Caribbean Drive, United States of America ~72: CHU, Victor;LEUZZI, Richard Joseph;LOKHOV, Sergey;NANASSY, Oliver;WANG, Jun~ 33:US ~31:63/044,902 ~32:26/06/2020;33:US ~31:63/074,809 ~32:04/09/2020

2023/00141 ~ Complete ~54:CORIUM LOCALIZING AND COOLING SYSTEM OF A NUCLEAR REACTOR ~71:JOINT-STOCK COMPANY "ATOMENERGOPROEKT", ul. Bakuninskaya, d. 7, Str. 1, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: BADESHKO, Kseniya Konstantinovna;DZBANOVSKAYA, Tatyana Yaropolkovna;SIDOROV, Aleksandr Stalevich;SIDOROVA, Nadezhda Vasilievna~ 33:RU ~31:2020136899 ~32:10/11/2020

2023/00153 ~ Complete ~54:CONSTRUCTION PROCESS FOR JOINTS OF DRY PREFABRICATED INDUSTRIALIZED CONCRETE MAIN AND SECONDARY BEAMS ~71:NANTONG VOCATIONAL UNIVERSITY, No. 89, Youth Middle Road, Nantong City, Jiangsu Province, 226007, People's Republic of China ~72: HUA SHEN~ 33:CN ~31:202111047852.2 ~32:08/09/2021

2023/00160 ~ Complete ~54:GAS PRESSURE MAINTAINING SPLIT HOPKINSON PRESSURE BAR CONFINING PRESSURE DEVICE AND USAGE METHOD THEREFOR ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 168, Taifeng street, Huainan City, People's Republic of China ~72: Guangcheng LIU;Sheng XUE;Weiyu LI;Xin GAO;Yidan HAN~ 33:CN ~31:202211525000.4 ~32:30/11/2022

2023/00166 ~ Complete ~54:SYSTEM AND METHOD FOR HEAT EXCHANGER CONTROL BASED ON REAL-TIME CORROSION MONITORING ~71:General Electric Technology GmbH, Brown Boveri Strasse 8, BADEN 5400, SWITZERLAND, Switzerland ~72: VITSE, Frederic~ 33:US ~31:16/924,407 ~32:09/07/2020

2023/00173 ~ Complete ~54:PROCESS FOR THE MANUFACTURING OF PROTEIN-ASSOCIATED EXTRACELLULAR VESICLES ~71:EXO BIOLOGICS SA, Boulevard de Patience et Beaujonc 3 bus 2, Belgium ~72: JURGA, Marcin~ 33:EP ~31:20184901.5 ~32:09/07/2020

2023/00175 ~ Complete ~54:INTRAVAGINAL COTTON TAMPON APPARATUS FOR OESTRUS SYNCHRONIZATION OF SHEEP AND PREPARATION PROCESS ~71:INSTITUTE OF ANIMAL HUSBANDRY OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO. 368, XUEFU ROAD, NANGANG DISTRICT, HARBIN, People's Republic of China;LIU YUFENG, ROOM 301, UNIT 2, NO. 25-19 XUEFU SIDAO STREET, NANGANG DISTRICT, People's Republic of China ~72: LIU YUFENG~

2023/00176 ~ Complete ~54:METHOD FOR CONTROLLING FILAMENTOUS SLUDGE BULKING BASED ON QUORUM SENSING ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, PINGDINGSHAN CITY, People's Republic of China ~72: GAO, Hongbin;GU, Deming;HE, Yali;KANG, Haiyan;LI, Songya;LIU, Biao;MAO, Yanli;WANG, Le;WANG, Linpei;WU, Junfeng;ZHU, Xinfeng~ 33:CN ~31:202210406210.5 ~32:18/04/2022

2023/00052 ~ Complete ~54:ANTIBACTERIAL DEGRADABLE FRESH-KEEPING FOOD PACKAGE MATERIAL AND PREPARATION METHOD THEREOF ~71:Tianjin University of Science & Technology, No. 1038, Dagou South Road, Hexi District, Tianjin, 300222, People's Republic of China ~72: JIANG Guichang;WANG Hanyu;WANG Xuhui~

2023/00055 ~ Complete ~54:ONLINE REAL-TIME PREDICTION METHOD OF HIGH-SPEED WIRE TENSILE STRENGTH WITH SELF-LEARNING FUNCTION ~71:Qingdao Special Steel Co. , Ltd., No. 1886 Ji Cheng Road, Poli Zhen, Huangdao District, Qingdao City, Shandong province, People's Republic of China;Qingdao University of Technology, No. 777, Jialing Jiang Road, Huangdao District, Qingdao, Shandong province, People's Republic of China ~72: Jiang Haiyuan;Liu Jinhong;Wang Dong;Yang Lingzhi;Zhou xiao~

2023/00098 ~ Complete ~54:APPLICATION OF LUTEOLIN IN PREPARING HEALTH PRODUCTS OR MEDICINES FOR IMPROVING HYPOXIA TOLERANCE OF BODY ~71:Institute of Environmental and Operational Medicine, Academy of Military Medical Science, Academy of Military Science, No. 1 Dali Road, Heping District, Tianjin, People's Republic of China ~72: Ai Chongyi;CHEN Zhaoli;LI Ran;LIU Weili;PU Lingling;WANG Tianhui;WANG Xinxing;WANG Zirou;XU Hongbao~

2023/00103 ~ Complete ~54:LOW HEAT RELEASE POLYURETHANE MODIFIED GROUTING MATERIAL AND PREPARATION METHOD THEREOF ~71:Anhui University of Science and Technology, No. 168, Taifeng Street, Huainan City, Anhui Province, People's Republic of China ~72: FAN Li;HU Haixia;LIU Zhiwei;SHEN Yuzhe;WANG Chengjun;ZOU Xiaofan~

2023/00110 ~ Complete ~54:METHOD FOR EXTRACTING PALLADIUM ~71:INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, No. 1 Zhongguancun North Second Street, Haidian District, Beijing, 100190, People's Republic of China ~72: Hui ZHANG;Minghui LIU;Tao QI;Tianyan XUE;Ying YU;Zhanpeng YAN~ 33:CN ~31:202111615955.4 ~32:27/12/2021

2023/00115 ~ Complete ~54:AN ALL-DIMENSIONAL TRACKING PARABOLIC MIRROR HEAT ENERGY ABSORPTION SYSTEM ~71:HEBEI ZHUFENG APPARATUS & METER CO., LTD., West Section of Ancient City Avenue, Linzhang County, Handan City, Hebei Province, 056000, People's Republic of China ~72: GAO, Xianghong;LI, Botao;WEI, Lifen;YANG, Xiuli~

2023/00125 ~ Complete ~54:ASPHALTIC MIXTURE CONDITIONER, CONDITIONED ASPHALTIC PAVING MIXTURE, THEIR PROCESSES OF PREPARATION, THEIR USES IN PAVING SURFACES, PAVED SURFACES AND SYSTEM TO PREPARE AN ASPHALTIC MIXTURE CONDITIONER ~71:ASFALTO LIQUIDO

TECNOLOGIA EXTREMA ALTEX SOCIEDAD ANONIMA, Santa Ana, radial Santa Ana-Lindora, Centro Empresarial V&#237;a Lindora, tercer piso, oficinas ALS, Costa Rica ~72: DELGADO BARROETA, Romher Gerardo~

2023/00145 ~ Complete ~54:CORIUM LOCALIZING AND COOLING SYSTEM OF A NUCLEAR REACTOR ~71:JOINT-STOCK COMPANY "ATOMENERGOPROEKT", ul. Bakuninskaya, d. 7, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: BADEZHKO, Kseniya Konstantinovna;DZBANOVSKAYA, Tatyana Yaropolkovna;SIDOROV, Aleksandr Stalevich;SIDOROVA, Nadezhda Vasilievna~ 33:RU ~31:2020136905 ~32:10/11/2020

2023/00150 ~ Complete ~54:METHOD FOR OBTAINING NON-FERROUS METALS, MORE PARTICULARLY BLACK AND/OR RAW COPPER, FROM SCRAP CONTAINING ORGANIC MATTER ~71:SMS GROUP GMBH, Eduard-Schloemann-Str. 4, Germany ~72: Frank KAUSSEN;Nikolaus Peter Kurt BOROWSKI;Rolf DEGEL;Timm LUX~ 33:DE ~31:10 2020 208 774.1 ~32:14/07/2020

2023/00156 ~ Complete ~54:CONSTRUCTION DEVICE OF PIPE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9,Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: HUAJIANG XU~ 33:CN ~31:2022108903256 ~32:27/07/2022

2023/00158 ~ Complete ~54:SYSTEM AND METHOD FOR SELECTING PAGING RESOURCES ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO DAI;JIE TAN;LI NIU;TING LU;XIUBIN SHA~

2023/00165 ~ Complete ~54:A HYDRAULIC CYLINDER MOUNTING ARRANGEMENT ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: LIETONEN, Jani~

2023/00203 ~ Complete ~54:A REMOTE CONTROL SYSTEM ~71:KIM, Byung Soo, 105-1202, 290, Republic of Korea ~72: KIM, Byung Soo~ 33:KR ~31:10-2020-0129696 ~32:07/10/2020

2023/00177 ~ Complete ~54:METHOD FOR IMPROVING IN-VIVO GENE TRANSFORMATION EFFICIENCY OF COTTON ~71:INSTITUTE OF COTTON RESEARCH, SHANXI AGRICULTURAL UNIVERSITY, NO.118, NORTH JIEFANG ROAD, YUNCHENG CITY, People's Republic of China ~72: SHANGGUAN, Xiaoxia;YANG, Qinli~

2023/00041 ~ Complete ~54:PRIMER SET AND KIT FOR DETECTING HYPERTENSION-ASSOCIATED INTESTINAL MICROORGANISMS IN FECES SAMPLE ~71:XIANGYA HOSPITAL CENTRAL SOUTH UNIVERSITY, No.87 Xiangya Road, Kaifu District, Changsha, Hunan, 410028, People's Republic of China ~72: CAO, Shan;HAN, Linzhi;ZHANG, Wei;ZHOU, Gan;ZHOU, Rong~

2023/00057 ~ Complete ~54:BREEDING METHOD OF SPIKELET BORER-RESISTANT GLUTINOUS SORGHUM VARIETY SPECIAL FOR BREWING ~71:Suqian Institute of Agricultural Sciences, Jiangsu Academy of Agricultural Sciences, No. 16, Huancheng North Road, Suyu District,, Suqian City,, Jiangsu Province, 223800, People's Republic of China ~72: JIN, Qian;LAI, Shangkun;LIU, Xiaofei;LV, Sirui;WANG, Weijun;ZHANG, Junjie;ZHANG, Shanlei~ 33:CN ~31:202111598191.2 ~32:24/12/2021

2023/00059 ~ Complete ~54:METHOD AND SYSTEM FOR MEASURING ENERGY CONSUMPTION AND CARBON EMISSION OF BUILDINGS BASED ON URBAN FUNCTION, AND APPARATUS ~71:INSTITUTE OF URBAN ENVIRONMENT, CHINESE ACADEMY OF SCIENCES, No. 1799 Jimei Avenue, Xiamen City, Fujian Province, 361021, People's Republic of China ~72: HE, Huanye;YE, Hong~ 33:CN ~31:202211159666.2 ~32:22/09/2022

2023/00075 ~ Complete ~54:TIME-SHARING ZONING ACCURATE TARGETED PROTECTION METHOD AND DEVICE FOR SIDE SLOPE, ELECTRONIC EQUIPMENT AND MEDIUM ~71:Tsinghua University, No. 1, Qinghuayuan, Haidian District, Beijing, 100084, People's Republic of China ~72: CHEN, Guanfu;LI, Jian;LIU, Xiaoli;NIE, Wen;SONG, Danqing;YAN, Zongling;ZHANG, Yufang~

2023/00078 ~ Complete ~54:SWEEPER TRUCK ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China ~72: WANG Ling~

2023/00095 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING DIABETIC PERIPHERAL NEUROPATHY AND PREPARATION METHOD THEREFOR ~71:The Second Affiliated Hospital of Shandong University of Traditional Chinese Medicine, No. 1, Jingba Road, Shizhong District, Jinan, Shandong Province, 250001, People's Republic of China ~72: BU, Shuai;LI, Jie;SHEN, Yingkai;WANG, Xiaoyue;XU, Yunsheng;ZHENG, Yafeng~

2023/00101 ~ Complete ~54:MINING METHOD OF NEAR-SATURATED LOW POTASSIUM BRINE ~71:Qinghai provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, No. 12 Kunlun South Road, Golmud City, Qinghai province, People's Republic of China ~72: GUO Min;GUO Ruirui;HU Yan;JIA Jiantuan;JIN Fang;LI Hongpu;TONG Yongjun;WU Liping;XUE Chaoqun~

2023/00118 ~ Complete ~54:AN ENDOMETRIAL CANCER NURSING METHOD BASED ON THE CLINICAL PATH AND A SYSTEM ~71:QIQIHAR MEDICAL UNIVERSITY, No. 333, Bukui North Street, Jianhua District, Qiqihar City, Heilongjiang Province, 161006, People's Republic of China ~72: CAO, Lin;LI, Qiang;TANG, Meiling;ZHANG, Weixin;ZHANG, Yingyan~ 33:CN ~31:202211481782.6 ~32:24/11/2022

2023/00123 ~ Complete ~54:DATA CLASSIFICATION METHOD BASED ON DYNAMIC BAYESIAN NETWORK CLASSIFIER ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University Of Medicine and Health Sciences, 279 Zhouzhu Road, Pudong New Area,, Shanghai, 200135, People's Republic of China ~72: KONG, Ping;WANG, Shuangcheng;WU, Tao;ZHANG, Siwen;ZHOU, Liang~

2023/00128 ~ Complete ~54:A COMPOSITION FOR MANAGEMENT OF COVID-19 AND ASSOCIATED DISORDERS ~71:Vedicinals India Private Limited, J 204, Devi Indrayani Apartments, Dehu-Alandi Road,, India ~72: PATIL, Pravin Ekanath;SALUNKE, Prakash Pundlik;SALUNKE, Vaisahli Prakash~ 33:IN ~31:202021022638 ~32:29/05/2020

2023/00131 ~ Complete ~54:LIPID NANOPARTICLES ~71:ETHERNA IMMUNOTHERAPIES NV, Galileilaan 19, Belgium;VRIJE UNIVERSITEIT BRUSSEL, Pleinlaan 2, Belgium ~72: BEVERS, Sanne;DE KOKER, Stefaan;KOOIJMANS, Sander Alexander Antonius;SCHIFFELERS, Raymond Michel~ 33:EP ~31:20179435.1 ~32:11/06/2020;33:EP ~31:21160384.0 ~32:03/03/2021

2023/00132 ~ Complete ~54:A HIGH YIELD COOKING METHOD ~71:AMPPC FINLAND OY, Anni Swaninkatu 2A 17, Finland ~72: KURKI, Matti~ 33:FI ~31:20205725 ~32:06/07/2020

2023/00138 ~ Complete ~54:METHOD FOR DIAGNOSING THE TECHNICAL CONDITION OF ROTATING EQUIPMENT ~71:JOINT STOCK COMPANY "ROSENERGOATOM", 25 Ferganskaya Street, Russian Federation;NATIONAL RESEARCH NUCLEAR UNIVERSITY MEPHI (MOSCOW ENGINEERING PHYSICS INSTITUTE), 31 Kashirskoye Highway, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: ABIDOVA, Elena Aleksandrovna;BABENKO, Roman Gennadevich~ 33:RU ~31:2020128922 ~32:01/09/2020

2023/00142 ~ Complete ~54:CORIUM LOCALIZING AND COOLING SYSTEM OF A NUCLEAR REACTOR ~71:JOINT-STOCK COMPANY "ATOMENERGOPROEKT", ul. Bakuninskaya, d. 7, Russian Federation;SCIENCE AND INNOVATIONS - NUCLEAR INDUSTRY SCIENTIFIC DEVELOPMENT, PRIVATE ENTERPRISE, 24 B. Ordynka Street, Floor 8, Office 820, Russian Federation ~72: BADESHKO, Kseniya Konstantinovna;DZBANOVSKAYA, Tatyana Yaropolkovna;SIDOROV, Aleksandr Stalevich;SIDOROVA, Nadezhda Vasilievna~ 33:RU ~31:2020136898 ~32:10/11/2020

2023/00147 ~ Complete ~54:CUSTOMIZATION OF IMPLANT ~71:EPISURF IP-MANAGEMENT AB, Karlavägen 60, Sweden ~72: Felicia Aldrin Bernhardt;Jeanette Spångberg;Katarina Flodström~33:SE ~31:2050651-5 ~32:04/06/2020;33:US ~31:16/893,079 ~32:04/06/2020

2023/00152 ~ Complete ~54:CONJUGATE OF DOUBLE-STRANDED SIRNA ANALOGUE ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No.369 Yuzhou South Rd, Lianyungang, People's Republic of China;MEDSHINE DISCOVERY INC., Room 218, No.9 Gaoxin Road, Jiangbei New District, People's Republic of China ~72: AN, Ke;CHEN, Shuhui;DING, Charles Z;SUN, Fei~ 33:CN ~31:202010529520.7 ~32:11/06/2020;33:CN ~31:202011524835.9 ~32:21/12/2020

2023/00168 ~ Complete ~54:RECOVERY OF RARE EARTH METALS FROM FERROMAGNETIC ALLOYS ~71:Yeda Research and Development Co. Ltd., at The Weizmann Institute of Science, P.O. Box 95, REHOVOT 7610002, ISRAEL, Israel ~72: KAPLAN, Valery;LUBOMIRSKY, Igor~ 33:US ~31:63/046,727 ~32:01/07/2020

2023/00171 ~ Complete ~54:OPTICAL SPLITTER, OPTICAL DISTRIBUTION NETWORK, AND METHOD FOR DETERMINING WAVELENGTH CORRESPONDING TO OPTICAL FILTERING STRUCTURE ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: DONG, Zhenhua;QI, Biao;ZHANG, Qi~ 33:CN ~31:202010621400.X ~32:30/06/2020

2023/00174 ~ Complete ~54:EXTRACELLULAR VESICLES (EVS) DERIVED FROM MESENCHYMAL STROMAL CELLS AND METHOD FOR OBTAINING SAID EVS ~71:EXO BIOLOGICS SA, Boulevard de Patience et Beaujonc 3 bus 2, Belgium ~72: JURGA, Marcin~ 33:EP ~31:20184893.4 ~32:09/07/2020

- APPLIED ON 2023/01/04 -

2023/00180 ~ Complete ~54:STORAGE DEVICE FOR PROTECTING SLURRY ICE AGAINST AGGLOMERATION ~71:JIANGXI ACADEMY OF SCIENCES, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: HAN, Zhi;HE, Weihua;TU, Mengzi;XI, Shuyue;XI, Xiping~

2023/00185 ~ Complete ~54:FLAME-RETARDANT KNITTED FABRIC AND ITS PREPARATION METHOD AND APPLICATION ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, People's Republic of China ~72: FAN Bingbing;HAO Jiazheng;LI Wei;LIU Deqiang;LIU Qi;LU Zihan;WANG Mengran;WANG Yu;XU Zhenzhen;YAN Hongqin;ZHU Minhui~

2023/00191 ~ Complete ~54:USE OF CNPY3 PROTEIN AS TARGET FOR TREATING OF DENGUE FEVER ~71:Army Medical University, Gaotanyan street no.30, Shapingba distric, Chongqing, 400038, People's Republic of China ~72: Ding Xiaoyan;He Jiuxiang;Li Jintao;Qiu Minyue;Zhou Xiaoyang;Zhou Yuxin~

2023/00195 ~ Complete ~54:ALFALFA-TYPE COMPLETE FORMULA GRANULATED FEED PRODUCT FOR SOWS CAPABLE OF IMPROVING INTESTINAL MICROFLORA AND ALLEVIATING INFLAMMATORY RESPONSE ~71:Henan Agricultural University, No. 95, Wenhua Road, Jinshui District, Zhengzhou City, Henan



Province, 450000, People's Republic of China ~72: CUI, Yalei;LA, Shaokai;LIU, Boshuai;LIU, Mengqi;MA, Sen;NIU, Jiakuan;SHI, Yinghua;SUN, Hao;SUN, Yu;WANG, Zhichang;XU, Feng;ZHU, Xiaoyan~

2023/00198 ~ Complete ~54:METHOD FOR MEASURING THERMAL STORAGE STABILITY OF SBS POLYMER MODIFIED BITUMEN BASED ON INFRARED SPECTRUM TECHNOLOGY ~71:SHANXI VOCATIONAL UNIVERSITY OF ENGINEERING SCIENCE AND TECHNOLOGY, NO.369, WENHUA STREET, YUCI DISTRICT, JINZHONG CITY, People's Republic of China ~72: DUAN, Guiming;LU, Dawei;MA, Guofeng;QI, Xiuting;YANG, Xiyang;ZHAO, Hua~

2023/00206 ~ Complete ~54:BASE TROUGH FOR A THERMAL MODULE, THERMAL MODULE COMPRISING SUCH BASE TROUGH, A SYSTEM FOR EXTRACTING THERMAL ENERGY AND THE USE OF SUCH BASE TROUGH FOR EXTRACTING THERMAL ENERGY FROM SUNLIGHT ~71:LOGIC IP AG, INDUSTRIESTRASSE 9, 6300 ZUG, SWITZERLAND, Switzerland ~72: SCHWERTNER, Heiko~

2023/00209 ~ Complete ~54:PROPHYLACTIC OR THERAPEUTIC AGENT FOR PORPHYRIA ~71:MITSUBISHI TANABE PHARMA CORPORATION, 3-2-10, Doshomachi, Chuo-ku, Osaka-shi, Osaka, 5418505, Japan ~72: AKIHITO OGASAWARA;FUMIHIRO TAKAHASHI;KAZUMI HYODOU;MASAHIRO KONDO;TSUYOSHI SUZUKI~ 33:JP ~31:2020-100952 ~32:10/06/2020;33:JP ~31:2020-134451 ~32:07/08/2020

2023/00211 ~ Complete ~54:METHODS AND COMPOSITIONS FOR PREVENTING TYPE 1 DIABETES ~71:BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON, 1201 9th Ave, Seattle, Washington 98101, United States of America;PROVENTION BIO, INC., 55 Broad Street, 2nd Floor, Red Bank, New Jersey 07701, United States of America;YALE UNIVERSITY, 2 Whitney Avenue, New Haven, Connecticut 06510, United States of America ~72: FRANCISCO LEON;KEVAN C HEROLD;PETER S. LINSLEY;SARAH ALICE LONG~ 33:US ~31:63/037,968 ~32:11/06/2020;33:TW ~31:110102871 ~32:26/01/2021;33:US ~31:63/192,242 ~32:24/05/2021;33:US ~31:17/345,495 ~32:11/06/2021

2023/00214 ~ Complete ~54:CO-AGONISTS AT GLP-1 AND GIP RECEPTORS SUITABLE FOR ORAL DELIVERY ~71:Novo Nordisk A/S, Novo Allé 233, Bagsvold 198, RD 2880, DENMARK, Denmark ~72: DIMARCHI, Richard;FINAN, Brian;KNERR, Patrick J.;LINDEROTH, Lars~ 33:US ~31:63/055,026 ~32:22/07/2020;33:EP ~31:20192414.9 ~32:24/08/2020;33:US ~31:63/156,988 ~32:05/03/2021

2023/00218 ~ Complete ~54:METHODS OF TREATING CANCER USING HETEROARYL-BIPHENYL AMIDE DERIVATIVES ~71:ChemoCentryx, Inc., 835 Industrial Road, Suite 600, SAN CARLOS 94070, CA, USA, United States of America ~72: LI, Shijie;VILALTA-COLOMER, Marta;ZENG, Yibin;ZHANG, Penglie~ 33:US ~31:63/042,807 ~32:23/06/2020

2023/00184 ~ Complete ~54:ROADWAY FLOOR HEAVE MEASURING DEVICE ~71:Anhui University of Science and Technology, No.168 Taifeng Street, Huainan City, Anhui Province, People's Republic of China;Huaihu Coal and Electricity Company Dingji Coal Mine, Guandian Town, Fengtai County, Huainan City, Anhui Province, People's Republic of China ~72: CAI Zhiliang;CHEN Denghong;FAN Tongqing;GUO Yongjian;HOU Jingjing;HUA Xinzhu;LI Chen;PAN Hui;PANG Wen;QI Yabao;WANG Fei;WANG Leibin;WANG Xianlong;ZHANG Liquan~

2023/00190 ~ Complete ~54:GINSENG STEM-LEAF SAPONIN NANOPARTICLES AND THE PREPARATION METHOD AND APPLICATION ~71:Zhejiang Academy of Agricultural Sciences, 298 Desheng Street, Shangcheng District, Hangzhou, Zhejiang, People's Republic of China;Zhejiang Center of Animal Disease Control, Shiwubao, Xiasha Street, Qiantang District, Hangzhou, Zhejiang, People's Republic of China ~72: Li Junxing;Su Fei;Wang Deqian;Xu Lihua;Xue Yin;Ye Shiyi;Yu Bin;Yuan Xiufang~

2023/00200 ~ Complete ~54:A METHOD FOR TESTING MOISTURE RATIO AND MOISTURE CONTENT OF A ROCK-SOIL BODY BASED ON THERMODYNAMIC EQUILIBRIUM ~71:CHINA UNIVERSITY OF

GEOSCIENCES (WUHAN), No. 388 Lumo Road, Hongshan District, Wuhan, Hubei Province, 430074, People's Republic of China ~72: FENG, Haibo;HAN, Xu;HOU, Qingqiu;LI, Ran;SU, Danhui;WANG, Xingjie;ZHENG, Xiaoming;ZHOU, Jianwei~

2023/00207 ~ Complete ~54:AQUEOUS PICKLING COMPOSITIONS AND THEIR USE ~71:CHEMETALL GMBH, TRAKEHNER STRASSE 3, 60487 FRANKFURT, GERMANY, Germany ~72: KHELIFALLAH, Nawel, Souad;MOHR, Anna, Verena;SIX, Marcell~ 33:EP ~31:20179325.4 ~32:10/06/2020

2023/00217 ~ Complete ~54:INSERTION DEVICE AND METHOD FOR INSERTING A MEDICAL DEVICE ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: LIST, Hans~ 33:EP ~31:20198479.6 ~32:25/09/2020

2023/00225 ~ Provisional ~54:TILT TRIGGERED COVER DEPLOYING SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~

2023/00216 ~ Complete ~54:METHOD FOR TREATING CARDIAC CONDITIONS WITH PLACENTA-DERIVED COMPOSITIONS ~71:Musculoskeletal Transplant Foundation, 125 May Street, Suite 300, EDISON 08837, NJ, USA, United States of America ~72: HITSCHERICH, Pamela;KHALPEY, Zain;LONG, Marc~ 33:US ~31:63/064,251 ~32:11/08/2020

2023/00224 ~ Complete ~54:SCREENING PANEL ~71:SCHENCK PROCESS AUSTRALIA PTY LIMITED, 65 Epping Road, New South Wales 2113, Australia ~72: JOHNSTONE, Aidan Paul~ 33:AU ~31:2020902012 ~32:17/06/2020

2023/00188 ~ Complete ~54:PORTABLE TRANSLATOR ~71:Shandong Technician Institute, No. 2 Jingshi East Road, Jinan City, Shandong Province, People's Republic of China ~72: Na LIU~

2023/00192 ~ Complete ~54:SYNCHRONOUS INNER-SUPPORT MULTI-BOBBIN GRABBING MECHANISM FOR ROVING FRAME AUTOMATIC DOFFING ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Gao Guijun;Jing Yi;Kou Ziming;Liu Gouhong;Zheng Jie~

2023/00201 ~ Complete ~54:A COMPOSITION AND METHOD FOR PREPARING TABLETS USING BASELLA ALBA L. STEM POLYSACCHARIDE AS BINDER ~71:Amit Kumar Nayak, Department of Pharmaceutics, Seemanta Institute of Pharmaceutical Sciences, Mayurbhanj, 757086, Odisha, India;Md Saquib Hasnain, Department of Pharmacy, Palamau Institute of Pharmacy, Chianki, Daltonganj, 822102, Jharkhand, India;Saad Alkahtani, Department of Zoology, College of science, King saud University, P.O. Box 2455, Riyadh, 11451, Saudi Arabia;Saud Alarifi, Department of Zoology, College of science, King saud University, P.O. Box 2455, Riyadh, 11451, Saudi Arabia ~72: Amit Kumar Nayak;Md Saquib Hasnain;Saad Alkahtani;Saud Alarifi~

2023/00205 ~ Complete ~54:PHOSPHONATE-FREE, AQUEOUS PICKLING COMPOSITIONS AND THEIR USE ~71:CHEMETALL GMBH, TRAKEHNER STRASSE 3, 60487 FRANKFURT, GERMANY, Germany ~72: KHELIFALLAH, Nawel, Souad;MOHR, Anna, Verena;SIX, Marcell~ 33:EP ~31:20179331.2 ~32:10/06/2020

2023/00208 ~ Complete ~54:AQUEOUS PICKLING COMPOSITIONS AND THEIR USE ~71:CHEMETALL GMBH, TRAKEHNER STRASSE 3, 60487 FRANKFURT, GERMANY, Germany ~72: KHELIFALLAH, Nawel, Souad;MOHR, Anna, Verena;SIX, Marcell~ 33:EP ~31:20179332.0 ~32:10/06/2020

2023/00196 ~ Complete ~54:ACCURATE MEDICATED DIET FORMULA FOR YIN DEFICIENCY PHYSIQUE AND PREPARATION METHOD THEREOF ~71:Shenzhen Institute of Geriatrics, No.3002, Sungang West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China;Wu Zhengzhi, No.3002, Sungang

West Road, Futian District, Shenzhen, Guangdong Province, People's Republic of China ~72: Jiang Qianqian;Li Limin;Li Ziwen;Liang Shaoyu;Wu Junhong;Wu Zhengzhi;Zeng Yongchang~

2023/00202 ~ Complete ~54:PREPARATION AND EVALUATION OF ALOE VERA SOAP CONTAINING POTATO STARCH ~71:Dr. Ajay Sharma, Professor and Principal, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Dr. Akanksha Jagwani, Associate Professor, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Dr. Pradeep Pal, Associate Professor, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Dr. Vikas Jain, Professor and Principal, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Mr. Mohammad Amaan Khan, Student, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Ms. Anjali Chaurasiya, Assistant Professor, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Ms. Garvita Joshi, Associate Professor, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India;Ms. Mughisa Nagori, Assistant Professor, Mahakal Institute of Pharmaceutical Studies, Behind Air Strip, Datana, Dewas Road, Ujjain, Madhya Pradesh, 456664, India ~72: Dr. Ajay Sharma;Dr. Akanksha Jagwani;Dr. Pradeep Pal;Dr. Vikas Jain;Mr. Mohammad Amaan Khan;Ms. Anjali Chaurasiya;Ms. Garvita Joshi;Ms. Mughisa Nagori~

2023/00215 ~ Complete ~54:WIDE CROSS BREEDING ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DAWSON, John Luther;KELLIHER, Timothy;LIU, Qingli;SCHULLER, Craig~ 33:US ~31:63/064,511 ~32:12/08/2020

2023/00221 ~ Complete ~54:A DEVICE, SYSTEM AND METHOD FOR DISPENSING LUBRICANT ~71:GB IP Holdings Pty Ltd, 6/1 Metier Linkway, BIRTINYA 4575, QUEENSLAND, AUSTRALIA, Australia ~72: BARNETT, Stephen;CONDOLEON, Peter;HALL, Timothy~ 33:AU ~31:2020902240 ~32:01/07/2020

2023/00194 ~ Complete ~54:POLYMER FOR ORGANIC FERROELECTRIC MATERIAL AND FERROELECTRIC MATERIAL ~71:Zhengzhou University, No. 100, Science Avenue, High tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: LI, Shunfang;REN, Xiaoyan;XUE, Xinlian;ZHANG, Lili;ZHAO, Xingju~

2023/00183 ~ Complete ~54:RECOMBINANT DUCK ENTERITIS VIRUS EXPRESSING GOOSE PARVOVIRUS VP2 AND CONSTRUCTION METHOD AND APPLICATION THEREOF ~71:ZHEJIANG ACADEMY OF AGRICULTURAL SCIENCES, No. 198, Shiqiao Road, Hangzhou, Zhejiang Province, 310021, People's Republic of China ~72: CHEN, Liu;HUA, Jionggang;NI, Zheng;YE, Weicheng;YU, Bin;YUN, Tao;ZHANG, Cun~

2023/00189 ~ Complete ~54:THERMOGRAVIMETRIC ANALYZER ON A CHIP ~71:Xiamen High-End MEMS Technology Co., Ltd., Room 206, South building B-3, Jiakang Park, No. 333, Huangqing Road, Jiading District, Shanghai, People's Republic of China ~72: LI Xinxin;XU Pengcheng;YU Haitao~

2023/00197 ~ Complete ~54:ECOLOGICAL PLANTING AND CULTURING SYSTEM OF RICE AND FISH SUITABLE FOR MECHANIZATION WITH THREE USES IN ONE FIELD AND THE CULTURING METHOD ~71:Chongqing Three Gorges Vocational College, No.8, Kelong Road, Wanzhou District, Chongqing, People's Republic of China;Northwest A&F University, Northwest A&F University, No.3 Taicheng Road, Yangling, Shaanxi, 712100, People's Republic of China;Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu, Sichuan, 611130, People's Republic of China ~72: He Xianlin;Liu Qiao;Tang Guo;Wang Erlong;Xue Xiaoshu;Yang song;Zhao liulan;Zhou Ya~

2023/00181 ~ Complete ~54:RAPID COOLING DEVICE FOR CONCRETE ~71:JIANGXI ACADEMY OF SCIENCES, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: HAN, Zhi;HE, Weihua;TU, Mengzi;XI, Shuyue;XI, Xiping~

2023/00210 ~ Complete ~54:CONTINUOUS-MOTION DIRECT AIR CAPTURE SYSTEM ~71:GLOBAL THERMOSTAT OPERATIONS, LLC, 10275 E. 106th Avenue, Brighton, Colorado 80601, United States of America ~72: ERIC W PING;JED PRUETT;MILES SAKWA-NOVAK;PETER EISENBERGER;ROBERT KLEPPER;SARAH WYPER~ 33:US ~31:62/705,061 ~32:09/06/2020

2023/00212 ~ Complete ~54:SYSTEM AND METHOD FOR AUTOMATED DOCUMENT GENERATION ~71:LEGISLATE TECHNOLOGIES LIMITED, 2 Littlegate Street, United Kingdom ~72: BRECQUE, Charles~ 33:US ~31:63/036,729 ~32:09/06/2020;33:US ~31:63/119,095 ~32:30/11/2020;33:US ~31:17/212,520 ~32:25/05/2021

2023/00220 ~ Complete ~54:DATA MODEL FOR MINING ~71:Commonwealth Scientific and Industrial Research Organisation, Clunies Ross Street, ACTON 2601, AUSTRALIAN CAPITAL TERRITORY, AUSTRALIA, Australia ~72: SENNERSTEN, Charlotte~ 33:AU ~31:2020902032 ~32:19/06/2020

2023/00223 ~ Complete ~54:GATEWAY SERVER AND METHOD, AND DNS SERVER ~71:TYNTEC GROUP LIMITED, 8th Floor, 20 Farringdon Street, United Kingdom ~72: COPSEY, David Jonathan;TRAPP, Thorsten;WOLFRAM, Nicola~ 33:GB ~31:2009570.9 ~32:23/06/2020

2023/00187 ~ Complete ~54:CHITOSAN-POLYVINYL ALCOHOL COMPOSITE MEMBRANE, PREPARATION METHOD AND APPLICATION THEREOF ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, People's Republic of China ~72: CHANG Zixu;FAN Bingbing;HAO Jiazheng;LI Wei;LIU Deqiang;LU Zihan;SHAO Zhihao;WANG Mengran;WANG Yu;YAN Hongqin;ZHU Minhui~

2023/00199 ~ Complete ~54:METHOD FOR EXTRACTING COMPOUND SACCHAROMYCETES-FERMENTED PRODUCT FROM GRAIN STILLAGE AND APPLICATION ~71:Chengdu Baolu Biotechnology Co., Ltd., No. 60, Floor 15, Building 1, No. 20, Jialing Road, Wuhou District, Chengdu 610047, Sichuan Province, CHINA (P.R.C.), People's Republic of China;Moutai Institute, Luban Avenue, Renhuai City, Zunyi City 564500, Guizhou Province, CHINA (P.R.C.), People's Republic of China ~72: ZHENG, Yuxi~

2023/00222 ~ Complete ~54:ANTI-ALPHA-4-BETA-7 ANTIBODIES ~71:AbbVie Inc., 1 North Waukegan Road, NORTH CHICAGO 60064, IL, USA, United States of America ~72: BENATUIL, Lorenzo;BIXBY, Jacqueline;DEKHTYAR, Tatyana;DONG, Feng;HERNANDEZ Jr., Axel;KRISHNAN, Preethi;LU, Liangjun;MENSA, Federico;MILLER, Renee;MIN, Jing;NG, Teresa (Iok-Chan);SAHU, Gautam~ 33:US ~31:63/052,933 ~32:16/07/2020

2023/00182 ~ Complete ~54:CONSTRUCTION METHOD OF RAILWAY ROADBED IN MOBILE SAND DUNE ZONE IN DESERT AREAS ~71:China Railway 21st Bureau Group Co.,Ltd, No. 921, Beibinhe West Road, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China;The 2nd Engineering Co.,Ltd of China Railway 21st Bureau Group Co.,Ltd, No. 63, Heping Road, Chengguan District, Lanzhou City, Gansu Province, 730030, People's Republic of China ~72: DONG, Wenyong;HAN, Dongbo;HE, Tianpeng;LI, Changjiang;LIU, Bin;MA, Zhouyu;MENG, Wu;NIU, Hongmei;SUN, Fengpeng;ZHANG, Shucheng;ZHANG, Xin;ZHU, Guansheng;ZHU, Qunyang;ZHUANG, Yanxi~

2023/00186 ~ Complete ~54:CABLE DIAMETER DETECTOR AND USE METHOD THEREOF ~71:HUANG Genfa, No.168 Henglutou Village, Wen Qiao Town, Wenling City, Zhejiang Province, 317527, People's Republic of China ~72: HUANG Genfa;HUANG Heping;JIANG Lu;ZHENG Haijie~

2023/00193 ~ Complete ~54:USE OF REAGENT FOR DETECTING RETINOL METABOLITE IN PREPARATION OF TOOL FOR DIAGNOSING AND/OR TREATING PNEUMOCOONIOSIS ~71:Institute of Basic Medical Sciences of Chinese Academy of Medical Sciences, No. 5, Dongdan Santiao, Dongcheng District, Beijing, 100005, People's Republic of China ~72: SONG, Meiyue;WANG, Jiabin;WANG, Jing~ 33:CN ~31:202210944602.7 ~32:08/08/2022

2023/00213 ~ Complete ~54:AUTOMATIC DETACHING OF A MINING PANTOGRAPH ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: UUSITALO, Jari;V&#196;RE, Ville~

2023/00219 ~ Complete ~54:ARIMOCLOMOL FOR TREATING GAUCHER DISEASE ~71:KemPharm Denmark A/S, Ole Maal&#248;es Vej 3, COPENHAGEN N 2200, DENMARK, Denmark ~72: &#205; DALI, Christine;FOG-T&#216;NNESEN, Cathrine Kolster;HINSBY, Anders M&#248;rkeberg;INGEMANN, Linda;JENSEN, Thomas Kirkegaard~ 33:EP ~31:20182067.7 ~32:24/06/2020

- APPLIED ON 2023/01/05 -

2023/00251 ~ Complete ~54:DEVICE AND METHOD FOR EMERGENCY TREATMENT OF WATER BLOOMS IN A RESERVOIR TRIBUTARY BAY ~71:Changjiang River Scientific Research Institute, No. 23 Huangpu Street, WUHAN 430000, HUBEI, CHINA (P.R.C.), People's Republic of China ~72: CAO, Xiaohuan;DONG, Lei;LI, Huan;LI, Qingyun;LIN, Li;LONG, Meng;SHA, Zhigui;TANG, Xianqiang;WANG, Zhenhua;ZHANG, Wei;ZHAO, Liangyuan~

2023/00229 ~ Complete ~54:SARCOMYXA EDULIS POLYSACCHARIDE, PREPARATION METHOD AND APPLICATION THEREOF ~71:Jilin Agricultural University, No.2888, Xincheng Street, Nanguan District, Changchun City, Jilin Province, 130118, People's Republic of China ~72: DAI Yingdi;LIU Yang;SUI Yu;WANG Qi;WANG Zixuan~ 33:CN ~31:202211484250.8 ~32:24/11/2022

2023/00231 ~ Complete ~54:PROCESS FOR EXTRACTING ANTI-OSTEOPOROSIS AND LIPID-LOWERING SUBSTANCE FROM CAJANUS CAJAN(L.) MILLISP. ~71:HENAN INTEGRATED MEDICINE HOSPITAL, NO. 7 CHENGBEI ROAD, JINSHUI DISTRICT, ZHENGZHOU, People's Republic of China ~72: CHEN, Shenghu;GUO, Ronghua;JIAN, Dandan;LI, Huani;LIU, Changhe;LIU, Hongyi;REN, Xiaode;WANG, Yanyan~

2023/00242 ~ Complete ~54:A SEWAGE FILTERING DEVICE ~71:Zhejiang International Maritime College, No.268, Haitian Avenue, Lincheng New District, Zhoushan, Zhejiang, People's Republic of China ~72: Qin Chuangao;Rong Ze;Ruan Huanyang;Sun Qidi;Wang Jianqiang;Wang Zhiwei;Xia Yuanxiang;Yang Bingyun;Yang Yongpo;Zhang Haibo~ 33:CN ~31:202211558462.6 ~32:06/12/2022

2023/00245 ~ Complete ~54:BLOCKCHAIN-BASED AQUATIC PRODUCT MATCHING TRANSACTION METHOD ~71:SHANGHAI OCEAN UNIVERSITY, No 999, Hucheng Ring Road, Pudong New Area, Shanghai, 201306, People's Republic of China ~72: CHEN Ming;GE Yan;WANG Wenjuan;ZHANG Xu;ZOU Yibo~

2023/00254 ~ Complete ~54:AN OPTIMAL PATH PLANNING SYSTEM AND METHOD FOR RANDOM ROBOT MOTION ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Deng Xiongfeng~

2023/00258 ~ Complete ~54:METHOD FOR OPERATING A STORAGE ARRANGEMENT ~71:JUNGHEINRICH AKTIENGESELLSCHAFT, Friedrich-Ebert-Damm 129, 22047 Hamburg, Germany ~72: LARS LEIKING;MARCO DEWITZ;STEFAN SEEM&#220;LLER~ 33:EP ~31:20181836.6 ~32:24/06/2020

2023/00264 ~ Complete ~54:TREATMENT OF COGNITIVE IMPAIRMENT ASSOCIATED WITH SCHIZOPHRENIA ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany

~72: PODHORNA, Jana;ROSENBROCK, Holger;YUM, Sunyong;ZHAO, Yihua~ 33:EP ~31:20190925.6  
~32:13/08/2020

2023/00270 ~ Complete ~54:ADENO-ASSOCIATED VIRUS VECTOR FOR DWARF OPEN READING FRAME  
~71:The Board of Regents of the University of Texas System, 210 West 7th Street, AUSTIN 78701, TX, USA,  
United States of America ~72: BASSEL-DUBY, Rhonda S.;MAKAREWICH, Catherine A.;NELSON, Benjamin  
R.;OLSON, Eric N.~ 33:US ~31:63/048,743 ~32:07/07/2020

2023/00228 ~ Provisional ~54:RANAHAATRANSAPP ~71:metsing mthombene, 37 monontsha street chawelo,  
South Africa ~72: METSING;metsing;metsing mthombene~

2023/00237 ~ Complete ~54:DYNAMIC DOMAIN NAME ANALYSIS METHOD ~71:Zhengzhou Glacier Network  
Technology Co., Ltd, No. 918, Floor 9, No. 15, Minhang Road, Jinshui District, Zhengzhou City, Henan province,  
People's Republic of China ~72: Chen Chuanbing~

2023/00239 ~ Complete ~54:GEOPHYSICAL PRE-EXPLORATION METHOD FOR UNDERGROUND BRINE  
~71:Qinghai provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, No. 12 Kunlun South  
Road, Golmud City, Qinghai province, People's Republic of China ~72: CHEN Jinniu;GUO Ruirui;LI Hongpu;LV  
Zhibin;WANG Liang;ZHU Jiejun~

2023/00244 ~ Complete ~54:A STORAGE DEVICE PROTECTION DEVICE FOR INFORMATION SECURITY  
~71:Anhui Vocational College of Defense Technology, No. 56, Meishan Middle Road, Jin'an District,  
Lu'an, 237000, People's Republic of China ~72: Cai Zhengbao~ 33:CN ~31:202223246928.7  
~32:05/12/2022

2023/00249 ~ Complete ~54:METHOD FOR DE NOVO DESIGN OF CYCLIC PEPTIDE INHIBITOR OF  
PROTEIN ~71:Shenzhen Qiyu Biotechnology Co., Ltd., Room 403, Building A1, Building A1A2, China Merchants  
Guangming Technology Park,, Guangguang Road, Fenghuang Community, Fenghuang Street, Guangming  
District, Shenzhen City 518107, Guangdong Province, CHINA (P.R.C.), People's Republic of China ~72: CHEN,  
Xu;CHEN, Zhidong;WANG, Zhe~

2023/00262 ~ Complete ~54:METHOD AND SYSTEM FOR PACKAGING PRODUCTS BELONGING TO THE  
FRUIT AND VEGETABLE GROUP ~71:MAF AGROBOTIC, Impasse d'Athènes, ZAC Albasud II –  
Bardonies, 82000, Montauban, France ~72: PHILIPPE BLANC~ 33:FR ~31:FR2007023 ~32:02/07/2020

2023/00265 ~ Complete ~54:LIPIDIC COMPOUNDS COMPRISING AT LEAST ONE TERMINAL RADICAL OF  
FORMULA -NH-CX-A OR -NH-CX-NH-A, COMPOSITIONS CONTAINING THEM AND USES THEREOF  
~71:SANOFI PASTEUR, 14 Espace Henry Vallée, Lyon, France ~72: EVEN, Luc;FRISCH,  
Benoît;HAENSLER, Jean;RIPOLL, Manon~ 33:EP ~31:20305825.0 ~32:17/07/2020

2023/00271 ~ Complete ~54:IMMUNOGENIC COMPOUNDS ~71:AC Immune SA, EPFL Innovation Park,  
building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: BALAZS, Katja;GALABOVA,  
Gergana;GRUBER, Petra;MIHAILOVSKA, Eva;STAFFLER, Gábor;WINTER, Dorian~ 33:EP  
~31:20189425.0 ~32:04/08/2020

2023/00232 ~ Complete ~54:WEARABLE PIEZOELECTRIC FILM SENSOR FOR MONITORING HEART RATES  
OF CRABS AND PREPARATION METHOD THEREOF ~71:Ningbo University, No. 818, Fenghua Road, Jiangbei  
District, Ningbo City, Zhejiang Province, 315211, People's Republic of China ~72: CHEN, Hairong;HUANG,  
Rui;LIU, Lei;ZHAI, Wei~ 33:CN ~31:202210884733.0 ~32:26/07/2022

2023/00235 ~ Complete ~54:MINE AMBIENT INTELLIGENCE MONITORING SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:China University of Geosciences,Beijing, 29 Xueyuan Road, Haidian District, Beijing, People's Republic of China ~72: CAO Ying;LIU Houquan;LIU Jianli;LIU Xiangfang;MA Bo;YAO Jun;ZHAO Chenchen;ZHOU Deliang;ZHU Xiaozhe~

2023/00243 ~ Complete ~54:MARKER FOR DIAGNOSING MUTATION IN SLC12A3 GENE ~71:Fuwai Hospital Chinese Academy of Medical Sciences, No.167 North Lishi Road, Xicheng District, Beijing, 100037, People's Republic of China ~72: MENG, Xu;WANG, Linping;YANG, Kunqi;ZHAO, Lin;ZHOU, Xianliang~

2023/00250 ~ Complete ~54:LOGISTICS BOX ~71:Jilin Communications Polytechnic, No. 63, Xindiantai Street, Changchun City 130012, Jilin Province, CHINA (P.R.C.), People's Republic of China ~72: JIAO, Liyan;LIU, Lin;SHEN, Wen~

2023/00261 ~ Complete ~54:LAIR-1-BINDING AGENTS AND METHODS OF USE THEREOF ~71:NGM BIOPHARMACEUTICALS, INC., 333 Oyster Point Boulevard, South San Francisco, California, 94080, United States of America ~72: BETTY CHAN LI;BIN FAN;JAMES ROBERT SISSONS;JONATHAN SITRIN;LEE BENJAMIN RIVERA;SUZANNE CHRISTINE CRAWLEY;XUAN ZHAO;YAN WANG~ 33:US ~31:63/042,299 ~32:22/06/2020;33:US ~31:63/122,877 ~32:08/12/2020

2023/00269 ~ Complete ~54:STABILIZED CORONA VIRUS SPIKE PROTEIN FUSION PROTEINS ~71:Janssen Pharmaceuticals, Inc., 1125 Trenton-Harbourton Road, TITUSVILLE 08560, NJ, USA, United States of America ~72: JURASZEK, Jaroslaw;LANGEDIJK, Johannes Petrus Maria;RUTTEN, Lucy~ 33:US ~31:62/705,584 ~32:06/07/2020

2023/00241 ~ Complete ~54:DEVICE FOR DYNAMICALLY UPLOADING AND REVIEWING DIGITAL DRAWINGS ~71:Xuzhou College of Industrial Technology, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Lai Na;Li Ying;Tao Weili;Wang Hongyu;Yan Hui~

2023/00246 ~ Complete ~54:WATER QUALITY SAMPLING DEVICE FOR ENVIRONMENTAL ENGINEERING TESTING ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: SU Xiaoli~

2023/00252 ~ Complete ~54:A RIGID-FLEXIBLE SWITCHING GRIPPING DEVICE FOR INDUSTRIAL ROBOTS ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Deng Xiongfang~

2023/00253 ~ Complete ~54:A REHABILITATION EXERCISE DEVICE ~71:Zhang Jinglan, Zaozhuang Vocational College, Middle Qilianshan Road, High tech Zone, Zaozhuang City, Shandong Province, 277800, People's Republic of China ~72: Zhang Jinglan~

2023/00257 ~ Complete ~54:COMPOSITE FORMULATION COMPRISING SITAGLIPTIN AND DAPAGLIFLOZIN AND PREPARATION METHOD THEREFOR ~71:HANMI PHARM. CO., LTD., 214, Muha-ro, Paltan-myeon, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: BO SIK KIM;HO TAEK IM;JIN WOOK TAK;JUNG HYUN CHO;YONG IL KIM~ 33:KR ~31:10-2020-0085679 ~32:10/07/2020

2023/00263 ~ Complete ~54:4-ETHYNYLPYRIDINE DERIVATIVES USEFUL AS GCN2 INHIBITORS ~71:IP2IPO INNOVATIONS LIMITED, 2nd Floor 3 Pancras Square, Kings Cross, United Kingdom ~72: FUCHTER, Matthew;WHITLOCK, Gavin~ 33:GB ~31:2008749.0 ~32:09/06/2020

2023/00266 ~ Complete ~54:TUBULAR WOVEN LINER ~71:SANEXEN ENVIRONMENTAL SERVICES INC., 9935 rue de Ch&#226;teauneuf Entrance 1, Suite 200, Canada ~72: BUREAU, Martin;CARRIER,

S&#233;bastien;H&#201;RAUD, Jo&#235;l;MICHAUD, Pascal;MORISSETTE, Sylvain~ 33:US ~31:63/071,242  
~32:27/08/2020

2023/00272 ~ Complete ~54:PROCESS FOR HYDROFORMYLATION WITH REMOVAL OF DISSOLVED HYDROGEN ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: BENNETT, Iryna;WILLIAMS, Michael Gavin John~ 33:GB ~31:2012930.0 ~32:19/08/2020

2023/00226 ~ Provisional ~54:BODISCENT ~71:KAMILI UHAI (PTY) LTD, 78 BRYAN BROOK 220 WITKOPPEN ROAD, South Africa ~72: KAMILI UHAI (PTY) LTD~

2023/00227 ~ Provisional ~54:BATTERY PACK ~71:MARCUS, Dean Shane, 65 Serenade Road, Elandsfontein, South Africa ~72: MARCUS, Dean Shane~

2023/00230 ~ Complete ~54:A KIND OF STEELMAKING PROCESSING PROCESS PLANNING DEVICE ~71:Northeastern University at Qinhuangdao, No. 143, Taishan Road, Economic and Technological Development District, Qinhuangdao City, People's Republic of China ~72: Sun Liangliang~

2023/00234 ~ Complete ~54:SOLID-STATE LITHIUM BATTERY AND PREPARATION METHOD THEREOF ~71:Wuyi University, No. 22, Dongcheng Village, Pengjiang District, Jiangmen City, Guangdong Province, 529000, People's Republic of China ~72: JIAO, Kejin;MA, Yanyan;YAN, Jianhua~

2023/00238 ~ Complete ~54:METHOD FOR CONTROLLING DEHISCENT TOMATOES ~71:ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES, 7 KILOMETERS AWAY FROM ZHANGSU HIGHWAY, GANZHOU DISTRICT, People's Republic of China ~72: BAI, Jing;HE, Shuping;JIA, Gaixiu;LI, Jiali;LI, Wenwei;MAO, Tao;MIAO, Chunqing;WANG, Juan;WANG, Tuohe~

2023/00248 ~ Complete ~54:MOVABLE NEW MEDIA ELECTRONIC TEACHING PLATFORM ~71:Anhui Medical College, No. 632 Furong Road, Economic Development Zone, Hefei City, Anhui Province, People's Republic of China ~72: HAN,Qihui;HUANG,Biyu;WAN,Jin;WANG,Lin~

2023/00255 ~ Complete ~54:A CUTTING AND LAYING AID FOR CUTTING AND LAYING FLOORBOARDS IN A HERRINGBONE PATTERN ~71:VAN DER VLIS DESIGN GMBH, Im Jagdfeld 47, Germany ~72: RULAND, Carl~ 33:DE ~31:10 2020 118 329.1 ~32:10/07/2020

2023/00260 ~ Complete ~54:STABILIZED CORONAVIRUS SPIKE (S) PROTEIN IMMUNOGENS AND RELATED VACCINES ~71:THE SCRIPPS RESEARCH INSTITUTE, 10550 North Torrey Pines Road, La Jolla, California, 92037, United States of America ~72: IAN A WILSON;JIANG ZHU;LINLING HE~ 33:US ~31:63/045,557 ~32:29/06/2020;33:US ~31:17/019,825 ~32:14/09/2020

2023/00268 ~ Complete ~54:ZINC OXIDE PARTICLES, PHOTOSTABLE UV FILTERS, AND METHODS OF USE THEREOF ~71:Nanophase Technologies Corporation, 1319 Marquette Drive, ROMEOVILLE 60446 , IL, USA, United States of America ~72: BOFFA, Christopher C.;SARKAS, Harry W.~ 33:US ~31:63/047,856 ~32:02/07/2020;33:US ~31:17/186,518 ~32:26/02/2021

2023/00233 ~ Complete ~54:METHOD FOR INCREASING YIELD OF BUCKWHEAT ~71:Inner Mongolia Academy of Agriculture and Animal Husbandry Sciences, No. 22, Zhaojun Road, Yuquan District, Hohhot City, Inner Mongolia Autonomous Region, 010031, People's Republic of China ~72: GAO, Fengyun;HAN, Ping&#39;an;JIN, Xiaolei;LIU, Jinchuan;LV, Pin;MOU, Yingnan;WANG, Liang;WEN, Rui;XIE, Rui;YAN, Mengjiao;YANG, Enze;ZHANG, Lihua;ZHANG, Yonghu;ZHOU, Yu~



2023/00236 ~ Complete ~54:WAXY CORN WX GENE NATURAL MUTANT, ITS MOLECULAR MARKER AND APPLICATION ~71:Institute of Cereal and Oil Crops, Hebei Academy of Agriculture and Forestry Sciences, No. 162, Hengshan Street, Gaoxin District, Shijiazhuang City, Hebei Province, People's Republic of China ~72: An Hongzhou;Gao Zengyu;Li Kuiying;Wang Jianghao;Wang Yanbing~

2023/00240 ~ Complete ~54:MEASURING DEVICE FOR WOOD PROCESSING ~71:Guangxi Forestry Research Institute, No.23, Yongwu Road, Xixiangtang, Nanning, Guangxi, People's Republic of China ~72: Chen Daixi;Chen Qin;Chen Xiaoming;Cheng Lin;Huang Kaiyong;Rao Fei~

2023/00247 ~ Complete ~54:WATERLOGGING-RESISTANT CULTIVATION METHOD FOR OILSEED RAPE ~71:Huzhou Agricultural Science and Technology Development Center, No. 768, Luwang Road, Wuxing District, Huzhou City, Zhejiang Province, 313009, People's Republic of China;Zhejiang Academy of Agricultural Sciences, No. 198, Shiqiao Road, Hangzhou City, Zhejiang Province, 310021, People's Republic of China ~72: DING, Fuquan;FENG, Zhongping;HAO, Pengfei;HU, Hao;HUA, Shuijin;HUANG, Qi;LI, Lupeng;LIN, Baogang;LOU, Weidong;REN, Yun;ZHU, Jianfang~

2023/00256 ~ Complete ~54:HIGH EMISSIVITY REFRACTORY MATERIALS AND REFRACTORY COMPONENTS FORMED THEREOF ~71:FOSBEL WAHL HOLDINGS, LLC, 767 State Route 19 South, Green Greek, United States of America ~72: CHERICO, Stephen, D;PERDUE, Geoffrey, W;RODRIGUES-SCHROER, Angela~ 33:US ~31:63/050,381 ~32:10/07/2020

2023/00259 ~ Complete ~54:COMPOUND FOR THE TREATMENT OF CORONAVIRAL INFECTIONS ~71:METRIOPHARM AG, Europaallee 41, 8021, Z&#252;rich, Switzerland ~72: ASTRID KAISER;CHRISTIAN SETZ;J&#214;RG VON WEGERER;PETRA SCHULZ;SARA SCHUMANN;ULRICH SCHUBERT;WOLFGANG BRYSCH~ 33:EP ~31:20000212.9 ~32:10/06/2020;33:EP ~31:20000366.3 ~32:08/10/2020

2023/00267 ~ Complete ~54:AUDIO QUANTIZER AND AUDIO DEQUANTIZER AND RELATED METHODS ~71:FRAUNHOFER-GESELLSCHAFT ZUR F&#214;RDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: D&#214;HLA, Stefan;FOTOPOULOU, Eleni;KIENE, Jan Frederik;MARKOVIC, Goran;RAVELLI, Emmanuel (Deceased);REUTELHUBER, Franz~ 33:EP ~31:20184555.9 ~32:07/07/2020

2023/00273 ~ Complete ~54:SOLAR DEVICES AND METHODS ~71:FRACSUN INC., 102 Cross Street, #110, United States of America ~72: FISHER, Bryan;LEWIS, Scott;MATTHEIS, Catlin~

- APPLIED ON 2023/01/06 -

2023/00274 ~ Complete ~54:METHOD FOR WEAR-RESISTANT ALUMINUM ALLOY ~71:SHANDONG JIAOTONG UNIVERSITY, No. 5001, Haitang Road, Changqing University Science Park, Jinan City, Shandong Province, 250357, People's Republic of China ~72: SUN, Yuejun;WANG, Lei;ZHAO, Xia~

2023/00275 ~ Complete ~54:AN EXTERNALLY-APPLIED CHINESE MEDICINE FORMULA FOR TREATING HEMORRHOIDS AND THE PREPARATION METHOD THEREOF ~71:Yiming Ren, Room 101, Door 2, No. 3-48, Wanbao Community, Reyuan Street, Sartu District, Daqing City, Heilongjiang Province, 163311, People's Republic of China ~72: Yiming Ren~

2023/00289 ~ Complete ~54:A METHOD OF BROADENING ROAD BASE FILLING FOR FLOODED ROAD SECTIONS ~71:Xi&#39;an Highway Research Institute Co., No. 60, Gaoxin Six Road, Gaoxin District, Xi&#39;an, Shaanxi Province, 710065, People's Republic of China ~72: Dejun WU;Honghui LIU;Jianxing FAN;Peng Xu;Weiwei HAN;Xiaojuan LI;Yanjun SU;Ying WANG;Yong ZHANG~

2023/00292 ~ Complete ~54: MULTIFUNCTIONAL MICROWATER WETLAND TREATMENT APPARATUS ~71: HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, XINCHENG DISTRICT, People's Republic of China ~72: GU, DEMING; HAN, SHUAIQI; HAO, XUERU; HE, YALI; KANG, HAIYAN; LI, SONGYA; MAO, YANLI; SONG, ZHONGXIAN; YAN, XIAOLE; YAN, XU; ZHANG, XIA; ZHOU, JINGBO~

2023/00295 ~ Complete ~54: A LEG STRETCHING DEVICE FOR PHYSICAL FITNESS ~71: Anhui Science And Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: Jia Yizheng; Li Ying~

2023/00300 ~ Complete ~54: MIGRATION OF USER EQUIPMENT IN AN INTEGRATED ACCESS AND BACKHAUL NETWORK ~71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: ERIKSSON, Per-Erik; LI, Jingya; NAGALAPUR, Keerthi Kumar~

2023/00311 ~ Complete ~54: RECHARGEABLE BATTERY DISCHARGE DEVICE FOR DISCHARGING RECHARGEABLE BATTERIES, AND METHOD FOR DISCHARGING A PLURALITY OF RECHARGEABLE BATTERIES ~71: DUESENFELD GMBH, Rothbergstra&#223;e 8, 38176, Wendeburg, Germany ~72: JONATHAN AHRENS~ 33: DE ~31: 10 2020 118 418.2 ~32: 13/07/2020

2023/00318 ~ Complete ~54: SYSTEM FOR POLYCHAETE PRODUCTION COMPRISING A RETRIEVABLE TRAY, AND METHOD FOR POLYCHAETE PRODUCTION ~71: Marine Bio Solutions AS, c/o Haavard Wollan, Dokkgata 6B, TRONDHEIM 7042, NORWAY, Norway ~72: &#214;STERHUS, Stein W.; FOSSHODE, John Arnold; LANGVIK, Marianne Larssen; REPPE, Svein; WOLLAN, Haavard~ 33: NO ~31: 20200806 ~32: 09/07/2020

2023/00279 ~ Complete ~54: TEACHING AND TRAINING MODEL FOR EMBRYO REDUCTION OPERATION IN MULTIPLE PREGNANCY ~71: Zhejiang University, No. 866 Yuhangtang Road, Xihu District, Hangzhou, Zhejiang, People's Republic of China ~72: Feng Chun; Jin Min; Qiu Feng; Rao Jinpeng; Tian Shen; Wang Xiaoyun~

2023/00290 ~ Complete ~54: SPECIAL FERTILIZER FOR PRIMARY ROOT ZONE OF SUGARCANE AND ITS PREPARATION PROCESS ~71: Baise University, No.21 Zhongshan 2nd Road, Youjiang District, Baise City, Guangxi Zhuang Autonomous Region, People's Republic of China; Guangxi Academy of Agricultural Sciences, No.174, Daxue East Road, Nanning City, Guangxi Province, People's Republic of China ~72: Cai Qiuliang; Zhou LiuQiang~

2023/00293 ~ Complete ~54: METHOD FOR PREPARING COMPOUND BLACK TEA CAPABLE OF IMPROVING ANTIOXIDANT ACTIVITY AND AFTERTASTE ~71: TEA RESEARCH INSTITUTE OF HUNAN PROVINCE, NO.702 YUANDA 2ND ROAD, People's Republic of China ~72: HUANG, JING; LIU, SHUJUAN; WU, WENLIANG; XIAO, YANGBO; YIN, XIA; ZHANG, SHUGUANG~

2023/00312 ~ Complete ~54: A SIX-ROTOR MULTISPECTRAL UNMANNED AERIAL VEHICLE VARIABLE TOPDRESSING DEVICE AND A USE METHOD THEREOF ~71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, No. 9 Donghua Road, Fengyang, Chuzhou, People's Republic of China ~72: LI, Jun; LI, Xinwei; LIU, Jikai; NIAN, Ying; QUAN, Ling; SU, Xiangxiang; YUE, Hu; ZHU, Xueqing; ZHU, Yongji~ 33: CN ~31: 202211246356.4 ~32: 12/10/2022

2023/00315 ~ Complete ~54: METHOD FOR THE TREATMENT OF PLASTIC PYROLYSIS OILS INCLUDING TWO-STAGE HYDROCRACKING ~71: IFP ENERGIES NOUVELLES, 1 & 4 avenue du Bois-Pr&#233;au, France; REPSOL, S.A., C/ M&#233;ndez &#193;lvaro, n&#186; 44, Spain ~72: BONNARDOT, Jerome; RIBAS SANG&#220;ESA, I&#241;igo; WEISS, Wilfried~ 33: FR ~31: FR2008108 ~32: 30/07/2020

2023/00320 ~ Complete ~54:DIOSMIN PREPARATION METHOD ~71:Les Laboratoires Servier, 35, rue de Verdun, SURESNES CEDEX 92284, FRANCE, France ~72: BESCOND, Philippe;MOUCHET, Patrick;SCHIAVI, Bruno~ 33:EP ~31:20315345.7 ~32:09/07/2020

2023/00277 ~ Complete ~54:ACCURATE PESTICIDE APPLICATION SYSTEM FOR FARMLAND ~71:Shandong Academy of Pesticide Sciences, No. 234, Beiyuan Street, Jinan, Shandong, 250000, People's Republic of China ~72: GAO Deliang;LIANG Lin;LIU Jun;LIU Yu;WANG Hongyan;XU Nana;ZHUANG Zhiguo~

2023/00282 ~ Complete ~54:A METHOD FOR CULTIVATING A YEAST STRAIN WITH QUORUM SENSING INHIBITION ACTIVITY ~71:Shihezi University, No.221 North 4th Road, Shihezi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Cheng CHEN;Cunxi NIE;Hailiang WANG;Junli NIU;Min YAO;Wenju ZHANG;Yanyan WU;Yayin QI~

2023/00283 ~ Complete ~54:DREDGING DEVICE FOR SHIPS, PORTS AND RIVERS ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Dinghai District, Zhoushan City, Zhejiang Province, 316021, People's Republic of China ~72: HAO, Yongzhi;LIU, Shuangdong;XU, Chao;ZHENG, Kaiyu~

2023/00285 ~ Complete ~54:A WIRE-CONTROLLED ELECTRIC BRAKING CONTROL DEVICE FOR FOUR-WHEEL IN-WHEEL DRIVE ELECTRIC VEHICLES ~71:Lingnan Normal University, No.29 Cunjin Road, Chikan District, Zhanjiang City, Guangdong Province, 524048, People's Republic of China ~72: Cong LIAO;Man LI;Yuechao SUN;Zhi QIU~

2023/00287 ~ Complete ~54:OPTIMIZATION METHOD OF FUZZY CONTROL SYSTEM IN REACTOR BASED ON GENETIC ALGORITHM ~71:Shanghai Polytechnic University, No.2360 Jinhai Road, Pudong New District, Shanghai, 201209, People's Republic of China ~72: REN Ming;WANG Zhifeng;XU Jie~ 33:CN ~31:2022116216725 ~32:16/12/2022

2023/00296 ~ Complete ~54:AUTOMATIC IDENTIFICATION AND ATTITUDE INTERPRETATION METHOD OF GEOLOGICAL BODY STRUCTURAL PLANE BASED ON LIDAR POINT CLOUD DATA ~71:PowerChina Northwest Engineering Corporation Limited, No. 18, Zhangba East Road, Yanta District, Xi'an City, Shaanxi Province, 710000, People's Republic of China ~72: Bao jian;Cao jun heng;Liang hai;Lv bao xiong;Shi li;Wang you lin;Zhao yan ling;Zhao yue;Zhao zhi xiang;Zhou guang zhen~

2023/00298 ~ Complete ~54:AN EXPERIMENTAL APPARATUS AND METHOD FOR PUMPING INJECTION HOLES ~71:Chongqing University of Science & Technology, No.20 University City Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: Jiao Guoying;Xu Jianian~

2023/00306 ~ Complete ~54:FIBERGLASS VEILS CONTAINING FIRE-RETARDANT MINERALS AND REFRACTIVE PARTICLES, AND HIGH GLOSS AND/OR FIRE-RETARDANT AND/OR NON-COMBUSTIBLE LAMINATES CONTAINING SUCH VEILS ~71:THE DILLER CORPORATION, 10155 Reading Road, Cincinnati, Ohio, 45241, United States of America ~72: ABBIE L KRAMER;DAVID R GREEN;FREDERIC TAILLAN~ 33:US ~31:63/053,016 ~32:17/07/2020

2023/00308 ~ Complete ~54:ANTI-CANCER ACTIVITY OF PERBORATE SALTS ~71:ALIYA PHARMACEUTICALS INC., 28 William Carson Crescent, Toronto, Ontario, M2P 2H1, Canada ~72: MER FARUK BAYRAK;ALTAY BURAK DALAN;EMRE CEBECI;FIKRETTIN SAHIN~ 33:CA ~31:PCT/CA2020/050950 ~32:09/07/2020

2023/00313 ~ Complete ~54:POLYETHYLENE PIPE RESIN WITH HIGH RESISTANCE TO SLOW CRACK GROWTH ~71:BOREALIS AG, Trabrennstrasse 6-8, Vienna, Austria ~72: RIL;

Jari;BURYAK, Andrey;CHENG, Joy Jie;RUEMER, Franz;SUMERIN, Victor~ 33:EP ~31:20185204.3  
~32:10/07/2020

2023/00316 ~ Complete ~54:LONG-ACTING FORMULATIONS ~71:Janssen Pharmaceutica NV, Turnhoutseweg  
30, BEERSE 2340, BELGIUM, Belgium ~72: COLOMBO, Miriam;DONG, Wenyu;HOLM,  
Ren&#233;;VERVOORT, Iwan Caroline F.~ 33:EP ~31:20185105.2 ~32:09/07/2020

2023/00317 ~ Complete ~54:ADJUSTING CONCRETE MIXES AND MIX DESIGNS USING DIAGNOSTIC  
DELTA DATA CURVE ~71:GCP Applied Technologies Inc., 62 Whittemore Ave., CAMBRIDGE 02140, MA, USA,  
United States of America ~72: ROBERTS, Mark F.;TREGGER, Nathan A.~ 33:US ~31:63/036,125  
~32:08/06/2020

2023/00319 ~ Complete ~54:METHODS FOR PRODUCING POLYISOPRENE LATEX DISPERSIONS  
~71:Bridgestone Corporation, 1-1, Kyobashi 3-Chome, Chuo-Ku, TOKYO 104-8340, JAPAN, Japan ~72:  
DEDECKER, Mark N.;HARTZELL, Michael R.;KWAN, Jason K.;WHITE, Robert W.~ 33:US ~31:63/038,883  
~32:14/06/2020;33:US ~31:63/112,128 ~32:10/11/2020

2023/00324 ~ Complete ~54:METHOD AND SYSTEM FOR SEPARATING A FEED FLOW ~71:Linde GmbH, Dr.-  
Carl-von-Linde-Stra&#223;e 6-14, PULLACH 82049 , GERMANY, Germany ~72: H&#214;FEL, Torben;KLEIN,  
Bernd~ 33:DE ~31:10 2020 117 937.5 ~32:07/07/2020

2023/00276 ~ Complete ~54:HOT-PRESSED FILM MAGNETIC ARCH EXPANDER AND MANUFACTURING  
METHOD THEREOF ~71:AFFILIATED HOSPITAL OF JIANGNAN UNIVERSITY, No.1000 Hefeng Road, Wuxi  
City, Jiangsu Province, People's Republic of China ~72: CHEN Zhifei;GAO Yufeng;ZHU Fangyong~

2023/00286 ~ Complete ~54:SUSPENDED WATER CURTAIN LANDSCAPE SPRAYING DEVICE ~71:Shandong  
Jianzhu University, No. 1000, &#160;Fengming Road, Licheng District, Jinan City, Shandong Province, People's  
Republic of China ~72: HAN Xinyu;QIU Ning;SU Beile~ 33:CN ~31:202211443927.3 ~32:18/11/2022

2023/00288 ~ Complete ~54:HARMONIC SUPPRESSION SYSTEM BASED ON STATOR FLUX LINKAGE  
TRACKING ~71:ZHEJIANG INTERNATIONAL MARITIME COLLEGE, 268 Haitian Avenue, Dinghai District,  
Zhoushan City, Zhejiang Province, People's Republic of China ~72: CHEN Zaifa~ 33:CN ~31:202211353133.8  
~32:28/10/2022

2023/00294 ~ Complete ~54:ABNORMAL STATUS WARNING SYSTEM FOR SHORT-PERIOD DENSE  
SEISMIC ARRAY AND SHORT-PERIOD SEISMOGRAPHIC STATION ~71:Chinese Academy of Geological  
Sciences, No. 26, Baiwanzhuang Street, Xicheng District, 100037, Beijing, CHINA (P.R.C.), People's Republic of  
China ~72: CHEN, Changxin;LIANG, Feng;LV, Qingtian;MENG, Guixiang;SHI, Danian;XU, Yao;YAN, Jiayong~

2023/00301 ~ Complete ~54:SUBSCRIPTION RETRIEVAL FOR ANONYMOUS IDENTIFICATION  
~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: CASTELLANOS ZAMORA,  
David;JOST, Christine;VAHIDI MAZINANI, Helena;WANG, Cheng~ 33:CN ~31:PCT/CN2020/098322  
~32:26/06/2020

2023/00302 ~ Complete ~54:AN ANTI-CLOGGING URBAN UNDERGROUND DRAINAGE PUMP ~71:Anhui  
Jinwan Pump Technology Co., Ltd, No. 8, Liuwei Town Industrial Park, Si County, Suzhou, Anhui, 234000,  
People's Republic of China ~72: Hualong Ni;Jiaxuan Zhu;Lili Zhang;Ling Yu~ 33:CN ~31:202210640379.7  
~32:07/06/2022

2023/00303 ~ Complete ~54:DOSING OF POLYOMAVIRUS NEUTRALIZING ANTIBODIES ~71:NOVARTIS AG,  
Lichtstrasse 35, 4056, Basel, Switzerland;VERA THERAPEUTICS, INC., 8000 Marina Blvd, Suite 120, Brisbane,

California, 94005, United States of America ~72: AMY K PATICK;ELISABETTA TRAGGIAI;JOHANNA R ABEND;MARK KNAPP;STEVEN J KOVACS~ 33:US ~31:63/038,433 ~32:12/06/2020

2023/00309 ~ Complete ~54:GLUCOCORTICOID-SPARING AGENT ~71:METRIOPHARM AG, Europaallee 41, 8021, Z&#252;rich, Germany ~72: ASTRID KAISER;BEATE LUDESCHER;J&#214;RG VON WEGERER;PETRA SCHULZ;SARA SCHUMANN;WOLFGANG BRYSCH~ 33:EP ~31:20000248.3 ~32:09/07/2020

2023/00310 ~ Complete ~54:CONJUGATED HEPCIDIN MIMETICS ~71:PROTAGONIST THERAPEUTICS, INC., 7707 Gateway Boulevard, Suite 140, Newark, California, 94560-1160, United States of America ~72: ASHOK BHANDARI;BRIAN TROY FREDERICK;GREGORY THOMAS BOURNE;JIE ZHANG;MARK LESLIE SMYTHE;TARANATH ROOPA~ 33:US ~31:63/057,574 ~32:28/07/2020;33:US ~31:63/057,577 ~32:28/07/2020;33:US ~31:63/057,582 ~32:28/07/2020;33:US ~31:63/057,583 ~32:28/07/2020;33:US ~31:63/169,515 ~32:01/04/2021;33:US ~31:63/169,527 ~32:01/04/2021;33:US ~31:63/169,533 ~32:01/04/2021

2023/00314 ~ Complete ~54:METHOD FOR THE TREATMENT OF PLASTIC PYROLYSIS OILS INCLUDING SINGLE-STAGE HYDROCRACKING ~71:IFP ENERGIES NOUVELLES, 1 & amp; 4 avenue du Bois-Pr&#233;au, France;REPSOL, S.A., C/ M&#233;ndez &#193;lvaro, n&#186; 44, Spain ~72: BONNARDOT, Jerome;RIBAS SANG&#220;ESA, l&#241;igo;WEISS, Wilfried~ 33:FR ~31:2008106 ~32:30/07/2020

2023/00321 ~ Complete ~54:APPARATUS AND METHOD FOR TESTING A FIRE SUPPRESSION SYSTEM ~71:Paradigm Flow Services Limited, 5 Carden Place, ABERDEEN AB10 1UT, UNITED KINGDOM, United Kingdom ~72: MACKENZIE, Hugh;THOMSON, Ashley~ 33:GB ~31:2008644.3 ~32:08/06/2020

2023/00327 ~ Complete ~54:IMPROVED FEED BLOCK SUPPLEMENTS FOR LIVESTOCK HEALTH AND METHANE REDUCTION ~71:LOCUS SOLUTIONS IPCO, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: FARMER, Sean~ 33:US ~31:63/046,320 ~32:30/06/2020

2023/00278 ~ Complete ~54:MANUFACTURING METHOD OF NOVEL DIGITAL FENCE IMPLANT GUIDE PLATE ~71:AFFILIATED HOSPITAL OF JIANGNAN UNIVERSITY, No.1000 Hefeng Road, Wuxi City, Jiangsu Province, People's Republic of China ~72: GAO Yufeng;ZHU Fangyong~

2023/00280 ~ Complete ~54:PRESCRIPTION FOR TREATING OVARIAN CANCER ~71:Guofu Guan, Building C, Precious Jade Garden, Lei Meng Kok, No. 186, Dock Street, Macao, People's Republic of China;Lican Yao, Room 901, 11th Floor, Building 2, Xiandai Huayuan Type D, No. 9, Haide Road, Longhua Dist., Haikou, Hainan, People's Republic of China;Ran Yao, Room 702, Building 5, No. 338, Qianshan Yixian Road, Xiangzhou Dist., Zhuhai, Guangdong, People's Republic of China ~72: Guofu Guan;Lican Yao;Ran Yao~

2023/00304 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ASSAY MEASUREMENTS ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: ALEXANDER K TUCKER-SCHWARTZ;GEORGE SIGAL~ 33:US ~31:63/047,167 ~32:01/07/2020

2023/00307 ~ Complete ~54:METHOD FOR SYNTHESISING 2-BROMOGLUTARIC ACID DIESTERS ~71:GUERBET, 15, rue des Vanesses, 93420, Villepinte, France ~72: JEAN-MICHEL PARATIAN;MARTINE CERF~ 33:EP ~31:20305823.5 ~32:16/07/2020

2023/00323 ~ Complete ~54:ANTIBODIES THAT BIND PSMA AND GAMMA-DELTA T CELL RECEPTORS ~71:LAVA Therapeutics N.V., Yalelaan 60, UTRECHT 3584 CM, THE NETHERLANDS, Netherlands ~72: GUIMARAIS IGLESIAS, Victoria;KING, Lisa Anna;LUTJE HULSIK, David;MACHIENSEN, Peter Alexander Gerardus Maria;PARREN, Paul Willem Henri Ida;ROOVERS, Robertus Cornelis;VAN DER VLIET, Johannes Jelle~ 33:EP ~31:20184800.9 ~32:08/07/2020

2023/00326 ~ Complete ~54:METHOD FOR MANUFACTURE OF A PLASTICISED POLYVINYL ALCOHOL MIXTURE ~71:AQUAPAK POLYMERS LIMITED, Hollymoor Point, Hollymoor Way, United Kingdom ~72: ASHWORTH, Robert;GRIFFITHS, Sian;WILLIAMS, John~ 33:EP ~31:20184345.5 ~32:06/07/2020

2023/00281 ~ Complete ~54:DEVICE FOR STUDYING BEHAVIORAL ECOLOGY OF LEECHES ~71:Jishou University, No. 120, Renmin South Road, Jishou City, Hunan Province, 416000, People's Republic of China ~72: CHENG, Xiaojie;LIU, Zhixiao;YIN, Ziyang~

2023/00284 ~ Complete ~54:PREPARATION METHOD FOR STEEL SLAG MICROBEADS ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan City, Hebei Province, 063509, People's Republic of China ~72: GU, Shaopeng;LIU, Chao;PEI, Jingjing;WANG, Hui;WU, Jinhui;XING, Hongwei;ZHANG, Wei~

2023/00291 ~ Complete ~54:A HEAT SINK ~71:AFRICAN NEW ENERGIES LIMITED, Villa Florita, East Road, St George's Hill, United Kingdom ~72: ARIF, Ahmed;KHAN, Saad Saleem;LARKIN, Stephen;OMAR, Muhammad;RAW, Brendon;SIDIQUE, Husnain;USMAN, Muhammad~

2023/00297 ~ Complete ~54:A URETHRAL SUPPORT FOR PROSTATE ENLARGEMENT ~71:Chinese People's Liberation Army (PLA) General Hospital, No. 28 Fuxing Road, Haidian District, Beijing City, People's Republic of China;Jiangsu Provincial Corps Hospital of the Chinese People's Armed Police Force, No. 8, Jiangdu South Road, Guangling District, Yangzhou City, Jiangsu Province, People's Republic of China ~72: Lv Kaikai;Pang Aibo;Tian Yaping;Wu Yangyang;Zhang Chunyan;Zhang Tongshuo;Zhao Yue~

2023/00299 ~ Complete ~54:TETRAHYDROPYRAZOLO-PYRAZINYL-DIHYDROIMIDAZOLONE OR TETRAHYDROPYRAZOLO-PYRIDINYL-DIHYDROIMIDAZOLONE COMPOUNDS AND METHODS OF USING SAME ~71:ECCOGENE (SHANGHAI) CO., LTD., Room 402A, Aidisheng Road 326, People's Republic of China ~72: REN, Zaifang;SUN, Xuefeng;XU, Qing;ZHOU, Jingye~ 33:CN ~31:PCT/CN2020/102955 ~32:20/07/2020;33:CN ~31:PCT/CN2021/070120 ~32:04/01/2021

2023/00305 ~ Complete ~54:A MULTIPATH STREAMING SYSTEM AND METHOD FOR PROVIDING AT LEAST ONE STREAM OF DATA PACKETS FOR MEDIA AND/OR VIDEO FROM A TRANSMITTING NODE TO A RECEIVING NODE ~71:INTINOR AB, Formvagen 16 906 21 Umea, Sweden ~72: ANDERS MARTINSSON;BJORN WEINEHALL;ROLAND AXELSSON~

2023/00322 ~ Complete ~54:SALTS AND FORMS OF A WEE1 INHIBITOR ~71:Recurium IP Holdings, LLC, 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America ~72: BUNKER, Kevin Duane;HOPKINS, Chad Daniel;HUANG, Peter Qinhuang~ 33:US ~31:63/049,996 ~32:09/07/2020

2023/00325 ~ Complete ~54:PROCESS FOR MANUFACTURE OF PLASTICISED HOMOPOLYMERIC POLYVINYL ALCOHOL AND PLASTICISED POLYVINYL ALCOHOL POLYMER OBTAINED THEREFROM ~71:AQUAPAK POLYMERS LIMITED, Hollymoor Point, Hollymoor Way, United Kingdom ~72: ASHFORD, Robert;GRIFFITHS, Sian;WILLIAMS, John~ 33:EP ~31:20184345.5 ~32:06/07/2020

2023/00328 ~ Complete ~54:AGGREGATION-INDUCED LUMINESCENT COMPOUND, AND SUPRAMOLECULAR POLYMERIZED FLUORESCENT NANO-MATERIAL AND PREPARATION METHOD THEREFOR ~71:SHANGHAI UNIVERSITY OF ENGINEERING SCIENCE, 333 Longteng Road, People's Republic of China ~72: CAO, Menghui;QU, Yi;YAN, Yinan;YIN, Xiaoying~ 33:CN ~31:202110290411.9 ~32:18/03/2021

- APPLIED ON 2023/01/09 -

2023/00355 ~ Complete ~54:MAIN BEAM FOR USE IN WIND-DRIVEN GENERATOR BLADE AND MANUFACTURING METHOD THEREFOR ~71:ENVISION ENERGY CO., LTD, No.3 Shengzhuang Road New Energy Industrial Park of Jiang Yin Harbor Economic Development District, People's Republic of China ~72: LARS, Overgaard;LIANG, Yuan;MA, Hao;SUN, Jianxu~

2023/00359 ~ Complete ~54:SELF-ALIGNING ROLLER BEARING OF ASYMMETRIC STRUCTURE ~71:ENVISION ENERGY CO., LTD, No.3 Shengzhuang Road, New Energy Industrial Park of JiangYin Harbor Economic Development District, People's Republic of China ~72: CHAI, Zhongdong;LIANG, Baozhu;YAN, Xiaoming~

2023/00334 ~ Complete ~54:NONLINEAR OPTIMIZATION METHOD FOR PARAMETERS OF OCEAN ECOLOGICAL DYNAMICS MODEL ~71:FIRST INSTITUTE OF OCEANOGRAPHY, MINISTRY OF NATURAL RESOURCES, No.6 Xianxialing Road,Laoshan District, Qingdao City, Shandong Province, People's Republic of China ~72: HU Long;SHI Honghua;SUI Yadong;WANG Yongzhi;XIA Tao;YIN Liting;ZHENG Wei~ 33:CN ~31:202211015467.4 ~32:24/08/2022

2023/00346 ~ Complete ~54:BEAKER HOLDER WITH ABILITY OF OSCILLATING AND ACCELERATING REACTION FOR LABORATORY ~71:GUANGDONG OCEAN UNIVERSITY, No. 1, Haida Road, Mazhang District, Zhanjiang City, Guangdong Province, People's Republic of China ~72: LIU Yaoqian;SUN Xingli~

2023/00352 ~ Complete ~54:INTEGRATED TREATMENT SYSTEM FOR RECYCLING RURAL GREY WATER ~71:CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES, NO. 8 DAYANGFANG, ANWAI, People's Republic of China ~72: BAI, Lu;DONG, Liwei;XU, Chunlian;ZHANG, Wei~ 33:CN ~31:202210292810.3 ~32:22/03/2022

2023/00354 ~ Complete ~54:METHOD FOR PROLONGING STORAGE PERIOD OF EGG MASSES OF TELENOMUS REMUS NIXON ~71:ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY, No.9 Donghua Road, Fengyang County, Chuzhou, Anhui, 233100, People's Republic of China ~72: CAI, Qinghua;DU, Junli;HUANG, Baohong;WANG, Zengxia;WU, Degong~ 33:CN ~31:202210055663.8 ~32:18/01/2022

2023/00364 ~ Complete ~54:ANTI-AGEING ADDITIVES FOR BITUMEN ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: D&#39;MELO, Dawid John;TAYLOR, Richard Ernest;TUGAL, Bulent~ 33:IN ~31:202041032871 ~32:31/07/2020

2023/00367 ~ Complete ~54:APPLICATION OF LEVOCETIRIZINE OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF IN PREPARING MEDICINES FOR PROMOTING HAIR GROWTH ~71:Affiliated Hospital of Nantong University, No. 20, Xisi Road, Nantong City, Jiangsu Province, 226001, People's Republic of China ~72: DING Qi;FU Linling;WANG Xin~ 33:CN ~31:2022108869397 ~32:26/07/2022

2023/00370 ~ Complete ~54:APPLICATION OF CTC-497E21.4 AS REGULATORY TARGET FOR FERROPTOSIS IN PREPARATION OF TARGETED DRUGS FOR GASTRIC CANCER ~71:Affiliated Hospital of Nantong University, No. 20, Xisi Road, Nantong City, Jiangsu Province, 226001, People's Republic of China ~72: CUI Ming;JING Rongrong;JU Shaoqing;LIU Sinan;XIAO Lin;ZANG Jiayi;ZONG Wei~ 33:CN ~31:202210456735X ~32:28/04/2022

2023/00375 ~ Complete ~54:WATER SAVING DEVICE ~71:DILIGENT BUSINESS SERVICES LIMITED, 23 Totara Views Drive, Red Beach, 0932, Auckland, New Zealand ~72: KAREN BAYMAN;STEPHEN BAYMAN;TYRONE BAYMAN~ 33:NZ ~31:765649 ~32:30/06/2020;33:NZ ~31:769991 ~32:16/11/2020

2023/00376 ~ Complete ~54:A CANNED ROTODYNAMIC FLOW MACHINE FOR A MOLTEN SALT NUCLEAR REACTOR AND AN ACTIVE MAGNETIC BEARING FOR USE IN A FLOW MACHINE FOR A MOLTEN SALT

NUCLEAR REACTOR ~71:COPENHAGEN ATOMICS A/S, Maskinvej 5 2860 S&#248;borg, Denmark ~72: ASLAK STUBSGAARD;THOMAS JAM PEDERSEN;THOMAS STEENBERG~ 33:DK ~31:PA202070505 ~32:31/07/2020;33:DK ~31:PA202070506 ~32:31/07/2020

2023/00378 ~ Complete ~54:GENE THERAPY USING NUCLEIC ACID CONSTRUCTS COMPRISING METHYL CPG BINDING PROTEIN 2 (MECP2) PROMOTER SEQUENCES ~71:UCB BIOPHARMA SRL, 60, All&#233;e de la Recherche, 1070, Brussels, Belgium ~72: AMI KABADI;AMULYA NIDHI SHRIVASTAVA;NIKITA DALAL;PATRICK MARK DOWNEY;TOSHAL ROHIT PATEL~ 33:US ~31:63/064,431 ~32:12/08/2020

2023/00381 ~ Complete ~54:RADAR CALIBRATION METHOD AND DEVICE ~71:TANG, Yong, No. 1, floor 5, unit 1, building 9, No. 22, gaoshengqiao East Road, Wuhou District, Chengu, Sichuan 610047, People's Republic of China ~72: TANG, Yong~ 33:WO ~31:PCT/CN2021/135944 ~32:07/12/2021

2023/00383 ~ Complete ~54:COMPOUNDS AND METHODS FOR TREATING FUNGAL INFECTIONS ~71:Amplix Pharmaceuticals, Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: HODGES, Michael R.;SCHLAMM, Haran;SHAW, Karen Joy~ 33:US ~31:63/040,450 ~32:17/06/2020

2023/00387 ~ Complete ~54:COMPOSITIONS AND METHODS RELATED TO ACTIVATABLE THERAPEUTIC AGENTS ~71:Amunix Pharmaceuticals, Inc., 2 Tower Place, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: HENKENSIEFKEN, Angela;RENNERFELDT, Deena;SCHELLENBERGER, Volker;TO, Milton~ 33:US ~31:63/054,525 ~32:21/07/2020

2023/00388 ~ Complete ~54:A DNA PLASMID SARS-CORONAVIRUS-2/COVID-19 VACCINE ~71:Statens Serum Institut, Artillerivej 5, COPENHAGEN S 2300, DENMARK, Denmark ~72: FOMSGAARD, Anders;STRANDH, Charlotta Polacek~ 33:EP ~31:20183972.7 ~32:03/07/2020;33:EP ~31:20199341.7 ~32:30/09/2020

2023/00454 ~ Provisional ~54:HYDROGEN FUEL SUPERSONIC TURBOFAN ENGINE PASSENGER AIRPLANE HAS A BUILT-IN SATELLITE TRANSCEIVER. ~71:AHMED WASEEF SAIB, 24 Park Avenue, Desainagar, South Africa ~72: AHMED WASEEF SAIB~

2023/00361 ~ Complete ~54:PREPARATION OF RNA AND DNA SEQUENCING LIBRARIES USING BEAD-LINKED TRANSPOSOMES ~71:ILLUMINA CAMBRIDGE LIMITED, 19 Granta Park, Great Abington, United Kingdom;ILLUMINA, INC., 5200 Illumina Way, United States of America ~72: GORMLEY, Niall Anthony;KAPER, Fiona;KENNEDY, Andrew B.;KHURANA, Tarun;KUERSTEN, Robert Scott;MASHAYEKHI, Foad;RANDISE-HINCHLIFF, Carlo;SCHROTH, Gary;SHULTZABERGER, Sarah;WU, Yir-Shyuan~ 33:US ~31:63/061,885 ~32:06/08/2020;33:US ~31:63/165,830 ~32:25/03/2021;33:US ~31:63/168,802 ~32:31/03/2021;33:US ~31:63/219,014 ~32:07/07/2021

2023/00373 ~ Complete ~54:COMPOSITION FOR PREVENTING OR TREATING OSTEOARTHRITIS, COMPRISING MESENCHYMAL STEM CELL EXPRESSING TUMOR NECROSIS FACTOR-INDUCIBLE GENE 6 ~71:LG CHEM, LTD., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: CHANG YOUNG KIM;DONGHOON KIM;JE YOUNG RYU;JUNG YOUN SHIN;SEUNG WOO NAM~ 33:KR ~31:10-2020-0089148 ~32:17/07/2020

2023/00335 ~ Complete ~54:PREPARATION METHOD OF COMPOSITE MICROCAPSULE INHIBITOR FOR PREVENTING AND CONTROLLING COAL SPONTANEOUS COMBUSTION ~71:TAIYUAN UNIVERSITY OF TECHNOLOGY, No. 79, Yingze West Street, Taiyuan, People's Republic of China ~72: CUI Chuanbo;JIAO Zhipeng;LI Jiangjiang;SONG Zhiqiang;YUAN Yanwei;ZHOU Yuying~



2023/00349 ~ Complete ~54:AERIAL SPRAY RAINMAKING DEVICE ~71:CHANG CHIEN, Shu-Hsia, 17F.-2, No. 106, Bo&#39;ai 2nd Rd., 38 Neighborhood, Xinshang Vil., Zuoying Dist., KAOHSIUNG CITY 813, TAIWAN (R.O.C.), Taiwan, Province of China;CHEN, Shih-Hsiung, No. 5, Yuxiao 1st St., East Dist., TAINAN CITY 701, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHANG CHIEN, Shu-Hsia;CHEN, Shih-Hsiung~ 33:TW ~31:111200297 ~32:10/01/2022

2023/00353 ~ Complete ~54:LATERAL FLOW ASSAY DEVICE FOR DETECTION OF ANALYTES AND METHOD OF DETECTION THEREOF ~71:NEUOME PEPTIDES PTE. LTD., 71 AYER RAJAH CRESCENT, #03-04/05, 139951, Singapore ~72: VANGALA, Rajanikanth~ 33:IN ~31:202041025166 ~32:15/06/2020

2023/00360 ~ Complete ~54:MOLECULAR MARKER FOR IDENTIFYING GUIZHOU BLACK GOAT AND LEZHI BLACK GOAT, DETECTION METHOD AND APPLICATION THEREOF ~71:Guizhou Institute of Animal Husbandry and Veterinary Science, No. 2, Laolipo Road, Longdongbao, Nanming District, Guiyang City, Guizhou Province, 550000, People's Republic of China ~72: CHEN Haolin;HAN Yong;LI Dongguang;SU Chaozhi;WANG Defeng;YANG Yang;YUAN Chao~ 33:CN ~31:2021112486684 ~32:26/10/2021

2023/00362 ~ Complete ~54:A SMARTPHONE AND/OR OTHER DEVICES WITH HIGH RESOLUTION MICROSCOPIC FEATURES ~71:SCOPGENX PRIVATE LIMITED, 201, MARUTI CRYSTAL OPP. RAJPATH CLUB S.G. HIGHWAY, BODAKDEV GUJARAT, AHMEDABAD 380054, INDIA, India ~72: MEVADA, Jayeshkumar, Sevantilal;PANDIT, Aniruddha, Bhalchandra~ 33:IN ~31:202021010568 ~32:12/07/2020

2023/00369 ~ Complete ~54:PORTABLE SOLAR ARRAY WITH LOCKING MECHANISM FOR MAXIMIZING ELECTRICAL OUTPUT ~71:XPLOR LLC, P.O. Box 871 Woodstock, United States of America ~72: Gary William Oakley, Jr.~ 33:US ~31:62/705,552 ~32:03/07/2020

2023/00371 ~ Complete ~54:A LINE ELIMINATION METHOD IMMUNOCHROMATOGRAPHIC TEST PAPER AND ITS USE IN CRISPR NUCLEIC ACID DETECTION ~71:Academy Of Military Medical Science, Academy Of Military Science, People's Liberation Army Of China, 20# Dongdajie Street, Fengtai District, People's Republic of China ~72: Hao, LI;Xue, DONG;Yanhe, WANG;Yansong, SUN~ 33:CN ~31:202010533739.4 CN ~32:12/06/2020;33:WO ~31:PCT/CN2021/099306 ~32:10/06/2021

2023/00385 ~ Complete ~54:BONE NAIL DEVICE ~71:Osseointegration International B.V., Spoorstraat 9, RUURLO 7261 AE, THE NETHERLANDS, Netherlands ~72: AL MUDERIS, Munjed;VERHAEGH, Franciscus Theodorus Peter~ 33:NL ~31:2025981 ~32:03/07/2020

2023/00389 ~ Complete ~54:METHOD FOR OPERATING A METALLURGIC PLANT FOR PRODUCING IRON PRODUCTS ~71:Paul Wurth S.A., 32, rue d&#39;Alsace, LUXEMBOURG 1122, LUXEMBOURG, Luxembourg ~72: CASTAGNOLA, Cristiano;KRULL, Jan;MAGNANI, Stefano~ 33:LU ~31:101960 ~32:28/07/2020

2023/00329 ~ Provisional ~54:PRESERVATIVE AND ANTI-FUNGAL PACKAGING DEVICE ~71:TESSARA (PTY) LTD, 35 Kinghall Avenue, South Africa ~72: DANIEL-SWARTLAND, Chanel;KEMP, Renier;VRIES, Filicity;WILLIAMS, Elton~

2023/00330 ~ Provisional ~54:FLOWER PRESERVATIVE AND ANTI-FUNGAL SYSTEM ~71:TESSARA (PTY) LTD, 35 Kinghall Avenue, South Africa ~72: DANIEL-SWARTLAND, Chanel;KEMP, Renier~

2023/00331 ~ Complete ~54:SAFE, EFFICIENT AND NOVEL FRUIT PRESERVATION METHOD ~71:Institute of Microbiology, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: GU, Bintao;GUO, Jianjun;HUANG, Guochang;HUANG, Xiaoping;XIONG, Dawei;YUAN, Lin;ZHANG, Shuaiwen~

2023/00332 ~ Complete ~54:FRUIT PRESERVATIVE AND USAGE METHOD THEREFOR ~71:Institute of Microbiology, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: GU, Bintao;HUANG, Guochang;HUANG, Xiaoping;XIONG, Dawei;YUAN, Lin;ZHANG, Shuaiwen~

2023/00333 ~ Complete ~54:METHOD AND AGENT FOR REMEDIATION OF HEAVY METAL POLLUTION IN SOIL ~71:SOUTHWEST FORESTRY UNIVERSITY, No.300 Bailongsi Rd.,Panlong District, Kunming, Yunnan, People's Republic of China ~72: GONG Jing;XIANG Ping;XIE Yumei;ZHANG Mengyan~

2023/00340 ~ Complete ~54:METHOD FOR PREPARING LITHIUM-RICH LIQUID ORE FROM CALCIUM CHLORIDE TYPE DEEP BRINE ~71:Qinghai provincial Qaidam Comprehensive Geological and Mineral Exploration Institute, No. 12 Kunlun South Road, Golmud City, Qinghai province, People's Republic of China ~72: CHEN Qi;GUO Min;JIA Jiantuan;LI Wenwen;LIU Lei;WANG Peiyan;XUE Chaoqun;YAN Nongze~

2023/00343 ~ Complete ~54:A WATER SUPPLY AND DRAINAGE PIPE REINFORCEMENT MECHANISM FOR MUNICIPAL ENGINEERING ~71:CCCC Third Highway Engineering Co., Ltd., CCCC Highway Engineering Co., Ltd., Building 3, Yard 3, Xinqiao Middle Road, Guomen Business District, Shunyi District, Beijing City, 101304, People's Republic of China ~72: Changzheng Tan;Dongying Mao;Honglun Wang;Huiyun Pi;Jianwei Hu;Keyan Chen;Qiang Zhang;Qingchao Huo;Xuliang Cheng;Zhiping Song~

2023/00390 ~ Complete ~54:FLAT NOZZLE DEVICE ~71:Airffect GmbH, Graben 16/Habsburgergasse 2/Top 3 und 3A, WIEN 1010, AUSTRIA, Austria ~72: PASCHING, Andreas~ 33:AT ~31:A 00127/2020 ~32:10/06/2020

2023/00391 ~ Complete ~54:ANTI-INFLAMMATORY AND SENOLYTIC DENTAL CARE PRODUCT WITH TOOTH WHITENING CHARACTERISTICS ~71:VWARDIS AG, Sihlbruggstr., Switzerland ~72: ABIVARDI BR&#214;NNER, Haleh;ABIVARDI SIGNER, Golnar;HUG, Michael;LYSEK, Dominikus Amadeus~ 33:US ~31:16/944,502 ~32:31/07/2020

2023/00337 ~ Complete ~54:LANDSLIDE SUSCEPTIBILITY PREDICTION METHOD ~71:Chinese Academy of Surveying and Mapping, Yard 28, Lianhuachi West Road, Haidian District, Beijing, 100039, People's Republic of China ~72: CHENG, Yao;GAO, Wujun;LIU, Aiguo;LU, Wenjuan;MA, Weijun;MAO, Xi;WANG, Jizhou~

2023/00336 ~ Complete ~54:INTELLIGENT PET TRANSPORT BOX ~71:Shanghai Polytechnic University, No.2360 Jinhai Road, Pudong New District, Shanghai, 201209, People's Republic of China ~72: CUI Yingchao;WANG Zhifeng;XU Jie~ 33:CN ~31:2022104060082 ~32:18/04/2022

2023/00339 ~ Complete ~54:TEST DATA COMPRESSION AND DECOMPRESSION METHOD BASED ON FRONT AND BACK RUN LENGTH CODING ~71:ANQING NORMAL UNIVERSITY, No.1318 Jixian North Road, Yixiu District, Anqing City, Anhui Province, People's Republic of China ~72: CHENG Yifei;DENG Bowen;WANG Yuanzhi;WU Haifeng;ZHAO Xiaojing~

2023/00342 ~ Complete ~54:STRAIN OF BACILLUS VELEZENSIS HYL-1 AND APPLICATION THEREOF ~71:Guangxi Academy of Sciences, Guangxi Academy of Sciences, No. 98, Daling Road, Nanning, Guangxi, 530000, People's Republic of China ~72: HE Shuang;WANG Xiaohu;WEI Shengbo;YE Liujian;ZHOU Liqin;ZHU Qixia~

2023/00344 ~ Complete ~54:BACILLUS VELEZENSIS STRAIN WR8 AND ITS APPLICATION ~71:Guangxi Academy of Sciences, Guangxi Academy of Sciences, No. 98, Daling Road, Nanning, Guangxi, 530000, People's Republic of China ~72: HE Shuang;WANG Xiaohu;WEI Shengbo;YE Liujian;ZHOU Liqin;ZHU Qixia~

2023/00347 ~ Complete ~54:TEMPERATURE-CONTROLLED STIRRING EQUIPMENT FOR PRODUCING SOFT OIL ESSENCE ~71:GUANGRAO KERUI BIOTECHNOLOGY CO., LTD., No 28 Guanrui Road, Guangrao County Economic Development Zone, Dongying City, Shandong Province, People's Republic of China ~72: HANFANG BAO;JUNJIE ZHOU;WEI GAO;ZHENGUANG LIU~

2023/00348 ~ Complete ~54:ANTI-SORTILIN ANTIBODIES AND METHODS OF USE THEREOF ~71:Alector LLC, 131 Oyster Point Blvd, Suite 600, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: COOPER, Anthony B.;KURNELLAS, Michael;PEJCHAL, Robert;ROSENTHAL, Arnon;SCHWABE, Tina~ 33:US ~31:62/698,007 ~32:13/07/2018;33:US ~31:62/860,184 ~32:11/06/2019;33:US ~31:62/868,849 ~32:28/06/2019

2023/00350 ~ Complete ~54:FLUID DYNAMIC RAIN-MAKING APPARATUS ~71:CHANG CHIEN, Shu-Hsia, 17F.-2, No. 106, Bo&#39;ai 2nd Rd., 38 Neighborhood, Xinshang Vil., Zuoying Dist., KAOHSIUNG CITY 813, TAIWAN (R.O.C.), Taiwan, Province of China;CHEN, Shih-Hsiung, No. 5, Yuxiao 1st St., East Dist., TAINAN CITY 701, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHANG CHIEN, Shu-Hsia;CHEN, Shih-Hsiung~ 33:TW ~31:111200296 ~32:10/01/2022

2023/00351 ~ Complete ~54:MOBILE HYDROGEN-OXYGEN BURNER RAINMAKING DEVICE ~71:CHANG CHIEN, Shu-Hsia, 17F.-2, No. 106, Bo&#39;ai 2nd Rd., 38 Neighborhood, Xinshang Vil., Zuoying Dist., KAOHSIUNG CITY 813, TAIWAN (R.O.C.), Taiwan, Province of China;CHEN, Shih-Hsiung, No. 5, Yuxiao 1st St., East Dist., TAINAN CITY 701, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHANG CHIEN, Shu-Hsia;CHEN, Shih-Hsiung~ 33:TW ~31:111200298 ~32:10/01/2022

2023/00358 ~ Complete ~54:DOUBLY-FED CONVERTER AND MODULATION METHOD THEREOF ~71:ENVISION ENERGY CO., LTD, No.3 Shengzhuang Road, New Energy Industiral Park Of JiangYin Harbor Economic Development District, People's Republic of China ~72: CAO, Liang;HU, Zichen;MENG, Hao~ 33:CN ~31:202010865234.8 ~32:28/08/2020

2023/00366 ~ Complete ~54:CLASSIFIER AND METHOD OF CLASSIFYING ~71:KALE, Tebogo, 18 Howie Street, Rynfield, South Africa ~72: KALE, Tebogo~ 33:ZA ~31:2020/04359 ~32:16/07/2020

2023/00338 ~ Complete ~54:TEST DATA COMPRESSION AND DECOMPRESSION METHOD OF ADAPTIVE RUN-LENGTH CODING ~71:ANQING NORMAL UNIVERSITY, No.1318 Jixian North Road , Yixiu District, Anqing City, Anhui Province, People's Republic of China ~72: CHENG Yifei;DENG Bowen;WU Haifeng;WU Xinzhu;ZHAO Xiaojing~

2023/00341 ~ Complete ~54:A GUIDE MECHANISM FOR TRENCHLESS CONSTRUCTION OF LARGE SLOPE MOUNTAIN PIPELINE LAYING ~71:CCCC Third Highway Engineering Co., Ltd., CCCC Highway Engineering Co., Ltd., Building 3, Yard 3, Xinqiao Middle Road, Guomen Business District, Shunyi District, Beijing City, 101304, People's Republic of China ~72: Changzheng Tan;Honglun Wang;Jianwei Hu;Qiang Zhang;Qingchao Huo;Shaohua Li;Songtao Shao;Ting Pan;Xuliang Cheng;Zhiping Song~

2023/00345 ~ Complete ~54:CLOSED EXPERIMENTAL ANALYSIS TEST BOX WITH CONTROLLABLE INTERNAL TEMPERATURE ~71:GUANGDONG OCEAN UNIVERSITY, No. 1, Haida Road, Mazhang District, Zhanjiang City, Guangdong Province, People's Republic of China ~72: KE Sheng;ZHANG Caixue~

2023/00356 ~ Complete ~54:TRANSMISSION SYSTEM ~71:NEW MOTION LABS LTD., Quay House The Gallery, Kings Wharf, Exeter, Devon EX2 4AN, United Kingdom ~72: FOWLER, Marcel;LOBMEYER, Lucas;PALMER, Josh Daniel~ 33:GB ~31:2011083.9 ~32:17/07/2020;33:GB ~31:2018496.6 ~32:25/11/2020;33:GB ~31:2102302.3 ~32:18/02/2021;33:GB ~31:2108320.9 ~32:10/06/2021

2023/00357 ~ Complete ~54:METHOD FOR DEPOSITING LAYER OF ZINC OXIDE NANOPARTICLES OVER A SUBSTRATE OF HYGROSCOPIC MATERIAL AS A DIELECTRIC SUBSTRATE AND A SENSOR CONTAINING THE SUBSTRATE FOR DETECTING MOISTURE ~71:PAWAR, Jayant Rajaram, Krishna Institute of Medical Sciences Near Dhebewadi Road, Malkapur, Karad, Maharashtra, 415110, India ~72: HENRY, Rabinder;PATWARDHAN, Amit;PAWAR, Jayant Rajaram;SHINDE, Manish;SINGH, E.A.~ 33:IN ~31:202021024684 ~32:12/06/2020

2023/00363 ~ Complete ~54:SOIL ANALYSIS METHOD ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00365 ~ Complete ~54:ANTI-AGEING ADDITIVES FOR BITUMEN ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: D&#39;MELO, Dawid John;TAYLOR, Richard Ernest;TUGAL, Bulent~ 33:IN ~31:202041032887 ~32:31/07/2020

2023/00368 ~ Complete ~54:FUSION CONSTRUCTS AND METHODS OF USING THEREOF ~71:PRECIGEN, INC., 20358 Seneca Meadows Parkway, Germantown, United States of America ~72: CHEN, ChangHung;METENOU, Simon;SABZEVARI, Helen;Shah, Rutul R.~ 33:US ~31:63/050,393 ~32:10/07/2020;33:US ~31:63/173,902 ~32:12/04/2021

2023/00372 ~ Complete ~54:PHTHALAZINONE COMPOUND, AND PREPARATION METHOD THEREFOR AND MEDICAL USE THEREOF ~71:JIANGXI JEMINCARE GROUP CO., LTD, Block 14, Zhongxing Nanchang Software Park Industrial Park, No.688 Aixihu North Road, Nanchang Hi-Tech Industrial Development Zone Nanchang, Jiangxi 330096, People's Republic of China;SHANGHAI JEMINCARE PHARMACEUTICALS CO., LTD, 1st Floor, Block 1, No.1118 Halei Road, Pilot Free Trade Zone, Pudong New Area Shanghai 201203, People's Republic of China ~72: BAOJIAN QI;HAIBING GUO;HONGFU LU;JIANBIAO PENG;WEIQIANG XING;YONGCONG LV~ 33:CN ~31:202010536221.6 ~32:12/06/2020;33:CN ~31:202011147078.8 ~32:23/10/2020;33:CN ~31:202011261665.X ~32:12/11/2020;33:CN ~31:202110485680.0 ~32:30/04/2021;33:CN ~31:202110614030.1 ~32:02/06/2021

2023/00374 ~ Complete ~54:HUMANIZED ANTI-EMAP II THERAPEUTIC ANTIBODIES ~71:ALLINAIRE THERAPEUTICS, LLC, 11000 Cedar Ave. #18, Cleveland, Ohio, 44106, United States of America ~72: DAVID KNIGHT;DOUGLAS W.P HAY;JORDON K WANG;KEXIN HUANG;SUZANNE E BEREZOVSKY~ 33:US ~31:63/045,687 ~32:29/06/2020

2023/00377 ~ Complete ~54:COMBINATION THERAPY FOR TREATING ABNORMAL CELL GROWTH ~71:VERASTEM, INC., 117 Kendrick Street, Suite 500, Needham, Massachusetts, 02494, United States of America ~72: JONATHAN A PACHTER;SILVIA COMA~ 33:US ~31:63/051,320 ~32:13/07/2020

2023/00379 ~ Complete ~54:CLOSURE ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GREGORY LALIER;SLAVICA CESARE~ 33:US ~31:63/060,357 ~32:03/08/2020

2023/00382 ~ Complete ~54:STAPLED PEPTIDES AND METHODS THEREOF ~71:Fog Pharmaceuticals, Inc., 30 Acorn Park Drive, CAMBRIDGE 02140, MA, USA, United States of America ~72: ALFARO-LOPEZ, Lorenzo Josue;CAPPUCCI, Sarah Isabelle;CONRADY, Deborah Gail;JEWETT, Ivan Tucker;LI, Zhi;MCGEE, John Hanney;SI, Yaguang;TREMBLAY, Martin Robert;WHITE, Brian Halbert;ZHANG, Yue-Mei~ 33:US ~31:63/055,308 ~32:22/07/2020;33:US ~31:63/208,494 ~32:08/06/2021

2023/00386 ~ Complete ~54:ENGINEERED MUSCLE TARGETING COMPOSITIONS ~71:Massachusetts Institute of Technology, 77 Massachusetts Avenue, CAMBRIDGE 02139, MA, USA, United States of America;President and Fellows of Harvard College, 17 Quincy Street, CAMBRIDGE 02138, MA, USA, United States of America;The Broad Institute, Inc., 415 Main Street, CAMBRIDGE 02142, MA, USA, United States of America ~72: SABETI, Pardis;TABEBORDBAR, Mohammadsharif;YE, Simon~ 33:US ~31:63/055,265 ~32:22/07/2020;33:US ~31:63/107,394 ~32:29/10/2020;33:US ~31:63/183,038 ~32:02/05/2021

2023/00380 ~ Complete ~54:CHANNEL PHASE DETECTION AND CALIBRATION METHOD, DEVICE, AND STORAGE MEDIUM FOR A RADAR ~71:CHEN, Ken, No. 1, floor 5, unit 1, building 9, No. 22, gaoshengqiao East Road, Wuhou District, Chengu, Sichuan 610047, People's Republic of China ~72: CHEN, Ken~ 33:WO ~31:PCT/CN2021/137661 ~32:14/12/2021

2023/00384 ~ Complete ~54:HER-2 TARGETED BISPECIFIC COMPOSITIONS AND METHODS FOR MAKING AND USING THE SAME ~71:Amunix Pharmaceuticals, Inc., 2 Tower Place, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DERYNCK, Mika;FOX, Michael;FRENZEL, Andre;HENKENSIEFKEN, Angela;IRVING, Bryan;JOHANSEN, Eric;KUHN, Phillip;MACCANN, Darragh;MCCLORY, James;SCHELLENBERGER, Volker;TO, Milton~ 33:US ~31:63/044,301 ~32:25/06/2020;33:US ~31:63/077,503 ~32:11/09/2020;33:US ~31:63/108,783 ~32:02/11/2020;33:US ~31:63/166,857 ~32:26/03/2021;33:US ~31:63/196,408 ~32:03/06/2021

2023/00455 ~ Provisional ~54:WATER STORAGE TANKS COVER ~71:AHMED WASEEF SAIB, 24 Park Avenue, Desainagar, South Africa ~72: AHMED WASEEF SAIB~

- APPLIED ON 2023/01/10 -

2023/00400 ~ Complete ~54:DRILLING SYSTEM AND DRILLING METHOD FOR REAL-TIME ACQUISITION OF DRILLING PARAMETERS OF ROCK MASS ~71:Chongqing Fengjian Expressway Co., Ltd., No. 111, Shicheng West Road, Yufu Street, Fengjie County, Chongqing City, People's Republic of China;Chongqing Jiaotong University, No. 66 Xuefu Avenue, Nan'an District, Chongqing City, People's Republic of China ~72: CHEN Xiang;HE Hucheng;LIN Zhi;WANG Jianghua;WU Jun;WU Yifei;YANG Hongyun;YUAN Lei~

2023/00407 ~ Complete ~54:NOVEL CO2 DISPLACEMENT COMPUTED TOMOGRAPHY SCANNING CLAMPING DEVICE ~71:LIAONING TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China ~72: JIN Jiaxu;LIU Qiang;SUN Weiji;WANG Beifang;WU Pengfei~

2023/00410 ~ Complete ~54:EXPERIMENTAL METHOD OF PELNAC FOR REPAIRING ORAL MUCOSA DEFECT ~71:XUZHOU MEDICAL UNIVERSITY, No.209,Tongshan Road, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: LI Fang;MAO Yiting;QIN Ying;RU Liuyu;SUN Jinhu;XU Xianzhi;ZHENG Jiwei~

2023/00416 ~ Complete ~54:LASER RANGING SYSTEM BASED ON OPTICAL FEEDBACK SEMICONDUCTOR LASER DYNAMICS ~71:SOUTHWEST UNIVERSITY, 2 Tiansheng Road, Beibei District, Chongqing City, 400715, People's Republic of China ~72: DENG Tao;FAN Li;GAO Ziyue;LIN Xiaodong;TANG Xi;WU Zhengmao;XIA Guangqiong;XIE Yingke~ 33:CN ~31:202211130320X ~32:15/09/2022

2023/00417 ~ Complete ~54:METHOD FOR ESTIMATING JOINT FORCES ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No. 111, Shenliao West Road, Shenyang Economic and Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: WANG Shuoyu;WANG Tianjie;WANG Yina;YANG Junyou~ 33:CN ~31:202210569906.X ~32:24/05/2022

2023/00435 ~ Complete ~54:METHOD AND SYSTEM FOR MEASURING VOLUME OF A DRILL CORE SAMPLE ~71:MINALYZE AB, Industriv&#228;gen 4, 433 61, S&#228;vedalen, Sweden ~72: ANGUS PHILIP ANSTRUTHER TOD;MIKAEL ARTURSSON~ 33:AU ~31:2020902701 ~32:31/07/2020

2023/00442 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS COMPRISING VENGLUSTAT ~71:GENZYME CORPORATION, 50 Binney Street, Cambridge, MA, United States of America ~72: COMBESSIS, Danielle;HO, Chris;JEANJEAN, Audrey;RIGAL, David;TANEJA, Pankaj~ 33:US ~31:63/056,075 ~32:24/07/2020;33:EP ~31:21152595.1 ~32:20/01/2021

2023/00444 ~ Complete ~54:PARTICULATES OF POLYPHENOLICS AND DISPERSIONS THEREOF ~71:Nanophase Technologies Corporation, 1319 Marquette Drive, ROMEOVILLE 60446 , IL, USA, United States of America ~72: BOFFA, Christopher C.;CURETON, Kevin;SARKAS, Harry W.;TESAR, Lucas T.~ 33:US ~31:63/052,675 ~32:16/07/2020

2023/00393 ~ Complete ~54:A LOW CREEP AND LOW WEAR MESH WIRE AND ITS PREPARATION METHOD ~71:Southern Marine Science and Engineering Guangdong Laboratory (Zhanjiang), No.1 Wenti Road, Xiashan District (Library), Zhanjiang City, Guangdong Province, 241070, People's Republic of China;Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Guofeng WANG;Jiangao SHI;Jiaqi WANG;Kaijie YANG;Sitong ZHANG;Wenwen YU;Wenyong LIU~

2023/00397 ~ Complete ~54:APPLICATION OF REAGENT FOR DETECTING AND/OR REGULATING FOSB GENE IN PREPARATION OF PRODUCT FOR PREDICTING AND/OR TREATING ABDOMINAL AORTIC ANEURYSM ~71:The First Affiliated Hospital of Zhengzhou University, No. 1, Jianshe East Road, Erqi District, Zhengzhou City, Henan Province, 450052, People's Republic of China;ZHANG, Jinying, No. 1, Jianshe East Road, Erqi District, Zhengzhou City, Henan Province, 450052, People's Republic of China ~72: TANG, Junnan;ZHANG, Ge;ZHANG, Jinying~

2023/00405 ~ Complete ~54:HIGH-SPEED RANDOM NUMBER GENERATOR ~71:SOUTHWEST UNIVERSITY, 2 Tiansheng Road, Beibei District, Chongqing City, 400715, People's Republic of China ~72: DENG Tao;FAN Li;GAO Ziye;LIN Xiaodong;TANG Xi;WU Jiagui;ZHANG Siyan~ 33:CN ~31:2022229691065 ~32:08/11/2022

2023/00414 ~ Complete ~54:METHOD FOR PREDICTING COMPRESSIVE STRENGTH OF COAL GANGUE CONCRETE MATERIAL ~71:China Coal Technology and Engineering Group Shenyang Research Institute, No.11 Binhe Road, Shenfu Demonstration Zone, Shenyang City, Liaoning Province, People's Republic of China;LIAONING TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China;Liaoning Non-ferrous Geological Exploration and Research Institute Co.,Ltd., No.7 North Youth Street, Shenhe District, Shenyang City, Liaoning Province, People's Republic of China ~72: LIU Qiang;TAN Zhen;WANG Beifang;WANG Jinshan;WU Pengfei~

2023/00420 ~ Complete ~54:AN EFFICIENT METHOD FOR THE STERILISATION OF ANIMAL BLOOD ~71:Shandan Animal Epidemic Disease Prevention and Control Center, Building 2, Tongban Office, Beida Road, Shandan County, Gansu Province, 734100, People's Republic of China ~72: Ding yubao;Gao zhiqing;Zhang jianpeng~

2023/00424 ~ Complete ~54:FINGERPRINT FORENSICS ~71:FRYER, Peter Lee, Stonehill Office Park, Wapadrand, South Africa ~72: FRYER, Peter Lee~ 33:ZA ~31:202200415 ~32:10/01/2022

2023/00426 ~ Complete ~54:APPLICATION OF MOGAT2 IN PREPARATION OF PRODUCTS FOR DIAGNOSIS AND PROGNOSIS OF HEPATOCELLULAR CARCINOMA ~71:Affiliated Hospital of Nantong University, No. 20,

Xisi Road, Nantong City, Jiangsu Province, People's Republic of China ~72: HE Xin;JIANG Chunyi;JIN Qin;WANG Yan;ZHANG Shu~ 33:CN ~31:2022107603875 ~32:29/06/2022

2023/00440 ~ Complete ~54:FACIAL RECOGNITION METHOD, ELECTRONIC DEVICE, AND STORAGE MEDIUM ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, People's Republic of China ~72: DING, Zhaozhen;HOU, Chunhua;SHEN, Guang~ 33:CN ~31:202010587883.6 ~32:24/06/2020

2023/00398 ~ Complete ~54:BACILLUS SIAMENSIS AND ITS APPLICATION ~71:Guangxi Academy of Sciences, Guangxi Academy of Sciences, No. 98, Daling Road, Nanning, Guangxi, 530000, People's Republic of China ~72: HE Shuang;WANG Xiaohu;WEI Shengbo;YE Liujian;ZHOU Liqin;ZHU Qixia~

2023/00402 ~ Complete ~54:A LIGHTWEIGHT QUANTIZATION SYSTEM FOR MATERIAL PROPERTY EVALUATION ~71:Henan Agricultural University, No.63, agricultural Road, Jinshui District, Zhengzhou, Henan, People's Republic of China;Zhengzhou University of Light Industry, No.63, agricultural Road, Jinshui District, Zhengzhou, Henan, People's Republic of China ~72: Li Guangke;Qin Jieqiong;Tian Shuxia~

2023/00422 ~ Complete ~54:SYSTEMS FOR AUTOMATED LOADING OF BLASTHOLES AND METHODS RELATED THERETO ~71:DYNO NOBEL INC., 2795 East Cottonwood Parkway Suite 500, Salt Lake City, Utah, 84121, United States of America ~72: JEFF AVERETT;PATRICK O'CONNOR;SCOTT GILTNER~ 33:US ~31:62/623,094 ~32:29/01/2018;33:US ~31:62/782,917 ~32:20/12/2018

2023/00428 ~ Complete ~54:SMALL MOLECULE MODULATORS OF IL-17 ~71:LEO PHARMA A/S, Industriparken 55 2750 Ballerup, Denmark ~72: JIMMI GERNER SEITZBERG;MARK ANDREWS;MOGENS LARSEN;MORTEN DAHL SØRENSEN;NICOLAS DEVAUX;QUENTIN PERRON;VICINIUS BARROS RIBEIRO DA SILVA;XIFU LIANG~ 33:EP ~31:20179694.3 ~32:12/06/2020

2023/00431 ~ Complete ~54:ANTIBODY-CONJUGATED CHEMICAL INDUCERS OF DEGRADATION OF BRM AND METHODS THEREOF ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: DONGLU ZHANG;PETER SCOTT DRAGOVICH;SUMMER A BAKER DOCKREY;THOMAS HARDEN PILLOW~ 33:US ~31:63/054,757 ~32:21/07/2020

2023/00432 ~ Complete ~54:ANTI-NOTCH2 ANTIBODIES AND METHODS OF USE ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080, United States of America ~72: ADEL MAHMOUD ELSOHLY;CECILIA PUI CHI CHIU;DANIEL GEORGE LAFKAS;HOANGDUNG DANG HO;JIAN MEHR-DEAN PAYANDEH;SIAO-PING TSAI;YAN WU~ 33:US ~31:63/053,034 ~32:17/07/2020

2023/00394 ~ Complete ~54:MULTIFUNCTIONAL INTELLIGENT HOME SHOE CABINET AND USE METHOD THEREOF ~71:HUBEI THREE GORGES POLYTECHNIC, No. 31 Stadium Road, Yichang City, Hubei Province, People's Republic of China ~72: CAO Pengpeng;DUAN Liying;MA Jinjie;WU Jiang;WU Xinlun~

2023/00396 ~ Complete ~54:AN AUTOMATIC CONTROL PARKING SPACE LOCK ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Hongjing Liu;Mingwei Xu;Tao Jiang;Xiaoju Liu;Xuefeng Wang~ 33:CN ~31:202221422824.4 ~32:07/06/2022

2023/00401 ~ Complete ~54:PREPARATION METHOD OF ZINC COBALTATE COMPOSITE GAS DESULFURIZER ~71:Taiyuan University of Technology, Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan, Shanxi, People's Republic of China ~72: FENG Yu;MI Jie;RU Ziwei;WANG Jiancheng;ZHANG Man~ 33:CN ~31:202210350545.X ~32:02/04/2022

2023/00403 ~ Complete ~54:METHOD FOR PREPARING LOW FRICTION FLUOROSILICONE RUBBER SURFACE BY MEANS OF C AND AL DOUBLE-ELEMENT IMPLANTATION ~71:Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, No. 18, Tianshui Middle Road, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: JIA, Qian;WANG, Honggang;YANG, Shengrong;ZHANG, Bin;ZHANG, Junyan~

2023/00404 ~ Complete ~54:METHOD FOR MODIFYING SURFACE OF POLYETHER ETHER KETONE BY MEANS OF DOUBLE METAL ION IMPLANTATION ~71:Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, No. 18, Tianshui Middle Road, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: JIA, Qian;QIANG, Li;YANG, Shengrong;ZHANG, Bin;ZHANG, Junyan~

2023/00408 ~ Complete ~54:POSITIONING PUNCTURE DEVICE FOR NEUROSURGERY ~71:AFFILIATED HOSPITAL OF WEIFANG MEDICAL UNIVERSITY, No. 2428, Yuhe Road, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: WANG Fei;WEI Haijian;XUE Yan~

2023/00418 ~ Complete ~54:METHOD FOR CONTROLLING OXIDATION OF MUTTON FAT ~71:XINJIANG ACADEMY OF AGRICULTURAL RECLAMATION SCIENCES, NO. 221 WUYI ROAD, People's Republic of China ~72: LI, Binbin;LI, Yuhui;LI, Ziqin;LIU, Chengjiang;MA, Xiaomei;WANG, Juan;WANG, Ting~ 33:CN ~31:202310019090.8 ~32:06/01/2023

2023/00439 ~ Complete ~54:INFLAMMATORY CYTOKINES AND FATIGUE IN SUBJECT WITH A COMPLEMENT MEDIATED DISEASE ~71:BIOVERATIV USA INC., 225 Second Avenue, Waltham, United States of America ~72: ARIAS, Jaime, Morales;HOBBS, William, E.;PATEL, Parija, S.;STOREK, Michael, J,~ 33:US ~31:63/062,243 ~32:06/08/2020

2023/00443 ~ Complete ~54:COMMUNICATION SYSTEM, COMMUNICATION METHOD, AND COMPUTER STORAGE MEDIUM ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, People's Republic of China ~72: FAN, Peng~ 33:CN ~31:202010536981.7 ~32:12/06/2020

2023/00445 ~ Complete ~54:METHODS AND DEVICES FOR VALIDATING DATA IN A BLOCKCHAIN NETWORK ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: COUGHLAN, Steven Patrick;ZHANG, Wei~ 33:GB ~31:2009798.6 ~32:26/06/2020

2023/00452 ~ Complete ~54:SARS-COV-2 AND INFLUENZA COMBINATION VACCINE ~71:SPICONA INC., 55 Hudson Yards 550 West 34th Street, United States of America ~72: BANZIGER, Kaspar;FAZIO, Agata;GLUCK, Reinhard;MONTOMOLI, Emanuele;QUINTO, Carlos~ 33:GB ~31:2010425.3 ~32:07/07/2020

2023/00436 ~ Complete ~54:ANTI-STATIC COATING EQUIPMENT FOR PVC PLATES ~71:Anhui Aiyulun New Material Technology Co., Ltd, No. 6, Taiyanghe Road, He County Economic Development Zone, Ma&#39;anshan, Anhui, People's Republic of China ~72: Shen Feifei~ 33:CN ~31:202210938936.3 ~32:05/08/2022

2023/00437 ~ Complete ~54:INTRAOCULAR IMPLANT WITH HIGH LOADING OF A PROSTAMIDE ~71:ALLERGAN, INC., 2525 Dupont Drive, Irvine, United States of America ~72: CUNNINGHAM, James, J.;GHEBREMESKEL, Alazar, N.;WAN, Jinping~ 33:US ~31:63/054,620 ~32:21/07/2020

2023/00446 ~ Complete ~54:A SAFETY PLUG ~71:Rattlejack Innovations Pty Ltd, 2200 Logan-Wedderburn Road, LOGAN 3475, VICTORIA, AUSTRALIA, Australia ~72: SUTTON, Leigh Maurice~ 33:AU ~31:2020902419 ~32:14/07/2020;33:AU ~31:2020902512 ~32:20/07/2020

2023/00447 ~ Complete ~54:CONSUMABLE FOR AN AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72:



ABI AOUN, Walid;BETSON, Tatiana;DIMMICK, Barry;POYNTON, Simon;TESFATSION, Biniam;YILMAZ, Ugurhan~ 33:GB ~31:2011952.5 ~32:31/07/2020

2023/00392 ~ Complete ~54:A HIGHLY TRANSPARENT YELLOWING-RESISTANT CERAMIC IMITATION GLAZE MATERIAL AND ITS PREPARATION METHOD ~71:Shanxi-Zheda Institute of Advanced Materials and Chemical Engineering, No.87 Zhengyang Street, Xiaodian District, Taiyuan City, Shanxi Province, 030001, People's Republic of China;Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China;Zhejiang University, No.866, Yu Hang Tang Road, Xihu District, Hangzhou City, Zhejiang Province, 310058, People's Republic of China ~72: Fengbo ZHU;Heng ZHANG;Lin CHEN;Min ZUO;Qiang ZHENG;Wenwen YU;Xiaohong LIANG;Yan WANG;Yanan YE~

2023/00399 ~ Complete ~54:APPLICATION OF INSULIN RECEPTOR SUBSTRATE 1 IN REGULATING PROLIFERATION AND DIFFERENTIATION OF SKELETAL MUSCLE MYOBLASTS ~71:Shanxi Agricultural University, No. 1, Mingxian South Road, Taigu County, Jinzhong City, Shanxi Province, People's Republic of China ~72: HOU Wei;MA Tianyun;QI Jiahui;WANG Haidong;WEI Xiaofang;YAN Yi;YU Xiuju~

2023/00406 ~ Complete ~54:GOB-SIDE ENTRY RETAINING METHOD BY PERFORATION, PRESPLITTING AND ROOF CUTTING ~71:Liupanshui Normal University, Liupanshui Normal University, No. 288, Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China ~72: GAO, Ying;HUANG, Mingda;LI, Bo;LI, Tao;YANG, Junwei;ZHANG, Tiegang;ZHENG, Xigui~

2023/00412 ~ Complete ~54:POTATO BREEDING METHOD FOR RESISTING POTATO LATE BLIGHT ~71:Qinghai Academy of Agriculture and Forestry Sciences, No. 253, Ningda Road, Chengbei District, Xi&#39;ning City, Qinghai Province, People's Republic of China ~72: HOU Lu;MA Lin~

2023/00413 ~ Complete ~54:OPERATING ROOM SURGICAL DISINFECTION NURSING EQUIPMENT ~71:AFFILIATED HOSPITAL OF WEIFANG MEDICAL UNIVERSITY, No. 2428, Yuhe Road, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: WANG Xiuping~

2023/00425 ~ Complete ~54:NANOCOMPOSITE MATERIALS ~71:CSIR, Scientia, Pretoria 0002, SOUTH AFRICA, South Africa;Tshwane University of Technology, Arcadia Campus, 175 Mandela Drive, Arcadia, PRETORIA 0083, Gauteng Province, SOUTH AFRICA, South Africa ~72: FOLORUNSO, Oladipo;HAMAM, Yskandar;KUMAR, Neeraj;RAY, Suprakas;SADIKU, Emmanuel~ 33:ZA ~31:2021/09749 ~32:30/11/2021

2023/00429 ~ Complete ~54:CONTROL METHOD FOR DISPENSING A HOT FLUID AND DEVICE FOR DISPENSING A HOT FLUID ~71:GB PROGETTI S.R.L., Piazza Cornaggia Medici, 50, 27055, Rivanazzano Terme (PV), Italy ~72: ALBERTO ROLLA~ 33:IT ~31:102020000016831 ~32:10/07/2020

2023/00438 ~ Complete ~54:AEROSOL-GENERATING DEVICE WITH THERMALLY INSULATED HEATER ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel;DELA PAZ, Dennis, Yape;HOW, Jun, Jie;ISCHI, Gregori;PANTEA, Silviu, Natanael;PIJNENBURG, Johannes, Petrus, Maria;YIM, Jun, Wei~ 33:EP ~31:20204492.1 ~32:28/10/2020

2023/00449 ~ Complete ~54:METHOD AND APPARATUS FOR DETERMINING A STATE OF A CAPACITIVE VOLTAGE TRANSFORMER ~71:OMICRON electronics GmbH, Oberes Ried 1, KLAUS 6833, AUSTRIA, Austria ~72: BISCHOF, Thomas;GOPP, David~ 33:AT ~31:A50607/2020 ~32:13/07/2020

2023/00450 ~ Complete ~54:A SOLID AGROCHEMICAL COMPOSITION AND PROCESS OF PREPARATION THEREOF ~71:UPL Limited, UPL House, 610 B/2, Bandra Village, Off Western Express Highway, Bandra-East, MUMBAI 400051, MAHARASHTRA, INDIA, India ~72: OLTIKAR, Vikas Vinayak;SAINI, Anil;SAPKALE, Pradeep Shamrao;SHIRSAT, Rajan Ramakant~ 33:IN ~31:202021029513 ~32:11/07/2020

2023/00395 ~ Complete ~54:INTELLIGENT OCR SCANNING PROCESSING DEVICE FOR CHARACTERS AND IMAGES ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: GUO Lei;LI Ying;NING Junsheng~

2023/00409 ~ Complete ~54:DISINFECTANT DISPENSING DEVICE FOR HOSPITAL DISINFECTION SUPPLY ROOM ~71:AFFILIATED HOSPITAL OF WEIFANG MEDICAL UNIVERSITY, No. 2428, Yuhe Road, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: WANG Xiuping~

2023/00411 ~ Complete ~54:AN ENERGY EFFICIENCY MONITORING EQUIPMENT FOR MOUNTING COMPONENTS AND BELT CONVEYOR ~71:Southwest Petroleum University, No. 8 Xindu Avenue, Xindu District, Chengdu City, Sichuan Province, 610500, People's Republic of China ~72: Fei Wang;Yang Chen~

2023/00415 ~ Complete ~54:INTELLIGENT OBSTACLE AVOIDANCE METHOD CONSIDERING INTENTION AND INDIVIDUAL OPERATION HABITS ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, No. 111, Shenliao West Road, Shenyang Economic and Technological Development Zone, Shenyang City, Liaoning Province, People's Republic of China ~72: WANG Shuoyu;WANG Yina;YANG Junyou;ZHANG Delong;ZHOU Bo~ 33:CN ~31:202210830915.X ~32:15/07/2022

2023/00419 ~ Complete ~54:SEMANTIC SEGMENTATION MODEL AND METHOD FOR MANGROVE AND SPARTINA ALTERNIFLORA WITH IMPROVED UPERNET ~71:SHANGHAI LAN GUIQI TECHNOLOGY DEVELOPMENT CO., LTD, Building C, No. 888, Huanhu West Second Road, Nanhui New Town, Pudong New Area, Shanghai, 201306, People's Republic of China;SHANGHAI OCEAN UNIVERSITY, No. 999, Hucheng Ring Road, Lingang New Town, Pudong New Area, Shanghai, 201306, People's Republic of China ~72: CHEN, Ming;GONG, Chen;LI, Jing;LIANG, Lei;TAN, Zhilian;WANG, Zhenhua;ZHEN, Zongsheng~

2023/00421 ~ Complete ~54:AN ANTI-HAIR LOSS COMPOSITION AND ITS METHOD OF USE ~71:Zhou Mengmeng (ne Zhou Haoang), No. 048, Zhouji South Group, Zhouji Village, Miaoqiao Township, Yongcheng City, Henan Province, 476613, People's Republic of China ~72: Zhou Mengmeng (ne Zhou Haoang)~

2023/00423 ~ Complete ~54:FUSION CONSTRUCTS AND METHODS OF USING THEREOF ~71:PRECIGEN, INC., 1750 Kraft Drive, Suite 1400, Blacksburg, Virginia, 24060, United States of America ~72: CHANGHUNG CHEN;HELEN SABZEVARI;RUTUL R SHAH;SIMON METENOU~ 33:US ~31:62/695,623 ~32:09/07/2018;33:US ~31:62/695,627 ~32:09/07/2018;33:US ~31:62/863,710 ~32:19/06/2019;33:US ~31:62/864,367 ~32:20/06/2019;33:US ~31:62/866,420 ~32:25/06/2019

2023/00427 ~ Complete ~54:HEAT ENGINE AND METHOD OF MANUFACTURE ~71:KATRICK TECHNOLOGIES LIMITED, THE GARMENT FACTORY, SUITE 8, 10 MONTROSE STREET, GLASGOW G1 1RE, UNITED KINGDOM, United Kingdom ~72: VELAYUTHAM, Karthikeyan~ 33:GB ~31:2008912.4 ~32:11/06/2020

2023/00430 ~ Complete ~54:MODIFIED INSULIN AND GLUCOKINASE NUCLEIC ACIDS FOR TREATING DIABETES ~71:KRIYA THERAPEUTICS, INC., 1100 Island Drive, Suite 203, Redwood City, California 94065, United States of America;UNIVERSITAT AUTONOMA DE BARCELONA, Edifici Eureka - Campus de la UAB, Bellaterra, E-08193 Barcelona, Spain ~72: MARIA FATIMA BOSCH TUBERT;MIQUEL GARCIA MARTINEZ;NACHI GUPTA;VERONICA JIMENEZ CENZANO;WEIRAN SHEN~ 33:US ~31:63/047,965 ~32:03/07/2020;33:US ~31:63/054,162 ~32:20/07/2020;33:US ~31:63/067,264 ~32:18/08/2020;33:US ~31:63/141,918 ~32:26/01/2021;33:US ~31:63/188,778 ~32:14/05/2021

2023/00433 ~ Complete ~54:A RAIL PLANNING SYSTEM ~71:TECHNOLOGICAL RESOURCES PTY. LIMITED, Level 43, 120 Collins Street, Melbourne, Victoria 3000, Australia ~72: CHINTANA MEEGAMARACHCHI;DIRK TERBLANCHE;JAMES PAPANASTASIOU;KEVIN LILL~ 33:AU ~31:2020902314 ~32:06/07/2020

2023/00434 ~ Complete ~54:IMPROVED METHOD FOR SYNTHESISING FUNCTIONALISED MERCAPTANS  
~71:ARKEMA FRANCE, 420, rue d'Estienne d'Orves, 92700, Colombes, France ~72: GEORGES  
FREMY;JEAN-CHRISTOPHE LEC~ 33:FR ~31:FR2007577 ~32:20/07/2020;33:FR ~31:FR2012669  
~32:04/12/2020

2023/00441 ~ Complete ~54:CLEAVABLE LIPIDIC COMPOUNDS, COMPOSITIONS CONTAINING THEREOF,  
AND USES THEREOF ~71:SANOFI PASTEUR, 14 Espace Henry Vallée, Lyon, France ~72: EVEN,  
Luc;HAENSLER, Jean;RIPOLL, Manon~ 33:EP ~31:20305824.3 ~32:17/07/2020

2023/00448 ~ Complete ~54:VIROID-DERIVED POLYNUCLEOTIDES FOR MODIFICATION OF PLANTS  
~71:Flagship Pioneering, Inc., 55 Cambridge Parkway, 8th Floor, CAMBRIDGE 02142, MA, USA, United States of  
America ~72: MARTIN, Barry Andrew;MURALI, Swetha Srinivasa;NIU, Yajie;SHARPE, Michka Gabrielle~ 33:US  
~31:63/054,101 ~32:20/07/2020

2023/00451 ~ Complete ~54:ANTI-PVRIG PROTEIN ANTIBODY OR ANTIBODY FRAGMENT AND USE  
THEREOF ~71:HEFEI TG IMMUNOPHARMA CO., LTD., Room#2001, Building 1#C, Hefei innovation and  
entrepreneurship park, 268 Furong Road, Jingkai District, Hefei, People's Republic of China ~72: LI,  
Yangyang;SUN, Haoyu;SUN, Rui;TIAN, Zhigang;XIAO, Weihua~ 33:CN ~31:202110250342.9 ~32:08/03/2021

- APPLIED ON 2023/01/11 -

2023/00465 ~ Complete ~54:TOBACCO SEEDLING RAISING METHOD WITH INCREASED ULTRAVIOLET-B  
IRRADIATION ~71:Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu City,  
Sichuan Province, People's Republic of China ~72: LIU Huiqing;LIU Lei;QU Yingxuan;SHEN Kexin;WANG  
Nan;WANG Yizhi~

2023/00469 ~ Complete ~54:RAILROAD FREIGHT CAR DRAFT GEAR FRICTION MODIFYING INSERT  
~71:MINER ENTERPRISES, INC., 1200 East State Street, P.O. Box 471, Geneva, Illinois 60134, United States of  
America ~72: ANDY R KRIES;DONALD E WILT;ERICH A SCHOEDL~ 33:US ~31:17/665,058 ~32:04/02/2022

2023/00475 ~ Complete ~54:ENVIRONMENT-FRIENDLY POND TURTLE-VEGETABLE-RICE INTEGRATED  
EFFICIENT FARMING METHOD ~71:Honghu Liancheng Ecological Agriculture Co., Ltd., No. 6 Mingliu avenue,  
Honghu city, Hubei Province, People's Republic of China;Institute of Hydrobiology, Chinese Academy of  
Sciences, No. 7 Donghu South Road, Wuhan city, Hubei Province, People's Republic of China ~72: LI  
Mingwen;LI Wei;LIAO Chuansong;LIU Jiashou;QIN Lirong;WANG Yingxiong;YUAN Jing;ZHANG Tanglin~

2023/00480 ~ Complete ~54:ONLINE MONITORING SYSTEM FOR WATER AND FERTILIZER IN COTTON  
FIELDS ~71:Shihezi University, College of Mechanical and Electrical Engineering, Shihezi University, Beisi Road,  
Shihezi City 832003, Xinjiang Uygur Autonomous Region, CHINA (P.R.C.), People's Republic of China ~72: DU,  
Chanchan;HU, Xue;LI, He;MA, Xiao;SHAN, Yongchao;WU, Xun;ZHANG, Lixin;ZHANG, Yijia;ZHAO, Jiawei~

2023/00487 ~ Complete ~54:PLASTIC CONTAINER ~71:ALPLA WERKE ALWIN LEHNER GMBH & CO.  
KG, Allmendstrasse 81, 6971, Hard, Austria ~72: ADEM DEMIR;KLEMENS B&#214;SCH~ 33:CH ~31:00802/20  
~32:30/06/2020

2023/00491 ~ Complete ~54:THREE-LEVEL PREVENTION AND CONTROL METHOD FOR ROCK BURST  
ROADWAY ~71:CCTEG COAL MINING RESEARCH INSTITUTE, Tiandi Building No. 5, Youth Ditch Road,  
Chaoyang District, Beijing 100013, People's Republic of China ~72: JIE HE;JINYU CHEN;XIANZHI  
MENG;XIAOWEI CHU;XINHUA LIU;YONGZHENG WU;YUKAI FU~ 33:CN ~31:202011354530.8  
~32:26/11/2020

2023/00499 ~ Complete ~54:COMPOUNDS AND METHODS FOR REDUCING APP EXPRESSION ~71:IONIS PHARMACEUTICALS, INC., 2855 Gazelle Court, Carlsbad, United States of America ~72: BUI, Huynh-Hoa;FREIER, Susan M;KORDASIEWICZ, Holly;PRAKASH, Thazha, P.;VALAS, Ruben E.;WAN, W. Brad;ZHAO, Hien Thuy~ 33:US ~31:63/057,816 ~32:28/07/2020;33:US ~31:63/106,616 ~32:28/10/2020;33:US ~31:63/129,255 ~32:22/12/2020;33:US ~31:63/148,514 ~32:11/02/2021

2023/00458 ~ Complete ~54:A METHOD FOR PREPARING BIOMIMETIC COMPOSITE HYDROGELS AND THEIR APPLICATION ~71:Shanxi-Zheda Institute of Advanced Materials and Chemical Engineering, No.87 Zhengyang Street, Xiaodian District, Taiyuan City, Shanxi Province, 030001, People's Republic of China;Taiyuan University of Technology, No. 79 Yingzexi Avenue, Wanbailin District, Taiyuan City, Shanxi Province, 030024, People's Republic of China ~72: Fengbo ZHU;Fuyong LIU;Jinghui WANG;Lan JIA;Weiyi CHEN;Xuehui ZHANG;Yanqin WANG;Zhiyi ZHANG~

2023/00462 ~ Complete ~54:TOWER THICKENER SUITABLE FOR FINE TAILINGS ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan City, Hebei Province, 063210, People's Republic of China ~72: CAO Suqing;CHANG Zhenjia;NIU Fusheng;ZHANG Hongmei;ZHANG Jinxia~

2023/00470 ~ Complete ~54:3D PRINTING MATERIAL WITH CHITOSAN/GELATIN COMPOSITE HYDROGEL EMBEDDED THEREIN, AND PREPARATION METHOD THEREOF ~71:Chizhou University, Education Park, Chizhou City, Anhui Province, 247100, People's Republic of China ~72: CHEN, Jianbing;DING, Xin;HOU, Yiqing;HUANG, Zhiliang;JIANG, Yanping;JIN, Wannong;LI, Min;LI, Qingyuan;LIU, Tingguo~ 33:CN ~31:202210943366.7 ~32:08/08/2022

2023/00474 ~ Complete ~54:DEVICE FOR DETECTING THE TEMPERATURE UNIFORMITY OF THE CONVEYOR BELT TYPE VULCANIZING MACHINE ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Gao Lirong;Kou Ziming;Li Junxia;Li kang;Liu Libo~

2023/00489 ~ Complete ~54:VACCINE ADJUVANTS AND METHODS OF SYNTHESIZING AND USING THE SAME ~71:AMYRIS, INC., 5885 Hollis Street Suite 100, Emeryville, California, 94608, United States of America ~72: CHRISTOPHER JOHN PADDON;KARL JOSEPH FISHER~ 33:US ~31:63/048,910 ~32:07/07/2020

2023/00497 ~ Complete ~54:MULTI-TRP CONFIGURED GRANT TRANSMISSION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: CHRISTOFFERSSON, Jan;GERAMI, Majid;SINGH, Bikramjit;W&#196;NSTEDT, Stefan;WANG, Min~ 33:US ~31:63/041,408 ~32:19/06/2020

2023/00506 ~ Complete ~54:COMBINATIONS OF CARNOSINE AND ZINC FOR THE TREATMENT AND PREVENTION OF VIRAL INFECTIONS ~71:NELSON, Deanna J., c/o BioLink Life Sciences, Inc., 250 Quade Drive, CARY 27513, NC, USA, United States of America ~72: NELSON, Deanna J.~ 33:US ~31:63/046,846 ~32:01/07/2020

2023/00459 ~ Complete ~54:MULTI-SAMPLE TISSUE HOMOGENIZER ~71:Zhejiang University, No. 866, Yuhangtang Road, Xihu District, Hangzhou City, Zhejiang Province, 310058, People's Republic of China ~72: LI, Xiangyao;LIAN, Yanna;LIU, Li;SHENG, Tao;WANG, Jinghua;WU, Cheng~

2023/00461 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF GRAPHENE QUANTUM DOTS/FEW-LAYER TI3C2TX COMPOSITE MATERIAL ~71:TAIYUAN UNIVERSITY OF TECHNOLOGY, No.79 Yingze West Street, Taiyuan City, Shanxi Province, People's Republic of China ~72: FENG Yu;GUO Ruijie;WANG Huifang;YAN Hong;ZHANG Meng;ZHAO Jing~

2023/00466 ~ Complete ~54:HYDRAULIC FRICTION CLUTCH ASSEMBLY FOR CENTRIFUGAL THROWING-TYPE SNOW REMOVER ~71:Dalian Jiaotong University, No.794 Huanghe Road, Shahekou District, Dalian City, Liaoning Province, People's Republic of China ~72: YANG Liang~

2023/00472 ~ Complete ~54:LAMINATING MACHINE CAPABLE OF IMPROVING DISCHARGING EFFICIENCY OF PANEL TYPE PHOTOVOLTAIC WATER-HEATING MODULE ~71:Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: DENG, Tonghui;FAN, Min;SUN, Liyuan;WU, Xiaofang;XI, Xiping;XIE, Yunsheng;XIONG, Jihai;YANG, Lei~

2023/00478 ~ Complete ~54:A METHOD TO ACQUIRE GENOMIC SEQUENCE OF INTERMEDIATES OF VIRUS INDUCED GENE SILENCING (VIGS) VECTORS OF POPLAR MOSAIC VIRUS AND ITS APPLICATION ~71:Institute of Ecological Conservation and Restoration, Chinese Academy of Forestry, No.1 Dongxiaofu, Haidian District, Beijing, People's Republic of China ~72: LI, Jinxin;LI, Min;SHEN, Wanna;Su, Xiaohua;WANG, Li;ZHANG, Bingyu;ZHANG, Yinan;ZHAO, Jiaping~

2023/00483 ~ Complete ~54:AN AUTOMATIC TRACKING GRASPER FOR INDUSTRIAL ROBOTS BASED ON MACHINE VISION ~71:Taizhou University, No. 93, Jichuan East Road, Hailing District, Taizhou City, Jiangsu Province, People's Republic of China ~72: Jiang Feng;Li Yang;Miao Xinghua;Shen Chunlong;Yang Bin~ 33:CN ~31:202210133361.8 ~32:11/02/2022

2023/00485 ~ Complete ~54:A DAMPING CLOTH FOR POLISHING INFRARED ASPHERIC SURFACE OPTICAL ACCESSORY AND PREPARATION METHOD THEREOF ~71:Anhui Hechen New Materials Co., Ltd, No.1 Standardized Factory Building, Laoxiahe East Road, He County Economic Development Zone, Maanshan City, Anhui Province, People's Republic of China ~72: Li Jiahai;Li Yuanxiang;Yang Huiming~ 33:CN ~31:202211338145.3 ~32:08/10/2022

2023/00488 ~ Complete ~54:METHODS AND DEVICES FOR MANAGING MEASUREMENT OF RADIO LINK QUALITY ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: FEI DONG;HE HUANG;MENGZHU CHEN~

2023/00492 ~ Complete ~54:BARRIER PAPER OR BOARD ~71:SAPPI NETHERLANDS SERVICES B.V., Biesenweg 16, NL-6211 AA, Maastricht, Netherlands ~72: GUSTAVO DUARTE;JO SIMONS;MARIO HOLZLECHNER;VERA LOURENCO~ 33:EP ~31:20181691.5 ~32:23/06/2020

2023/00498 ~ Complete ~54:A SECONDARY PROCESSING DEVICE FOR SESAME CRUSHING AND A METHOD THEREOF ~71:Anhui Hua'an Food Co., Ltd, Shengjiakou Economic Development Zone, Hexian County, Maanshan, Anhui, People's Republic of China ~72: Li Jun;Wang Hao~ 33:CN ~31:202211142274.5 ~32:20/09/2022

2023/00500 ~ Complete ~54:RADIOPHARMACEUTICAL AND METHODS ~71:POINT BIOPHARMA, INC., 22 St. Clair Avenue East, Suite 1201, Canada ~72: MCCANN, Joe~ 33:US ~31:63/051,335 ~32:13/07/2020;33:US ~31:63/143,664 ~32:29/01/2021

2023/00503 ~ 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.;SILVER, Mikiya~ 33:US ~31:16/918,449 ~32:01/07/2020

2023/00456 ~ Provisional ~54:COVER DEPLOYING SYSTEM, SELF-HEATING AND SELF-COOLING SYSTEMS, STABILIZATION SYSTEMS (HYDRAULIC FORCE AND MAGNETIC FORCE - APPLICATIONS

INCLUDE MARINE HOUSING, ETC., AND ANYTHING ELSE SUITABLE), LOCKING SYSTEM, A GEAR AND A DELIVERY SYSTEM ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~ 33:ZA ~31:2022/01030 ~32:24/01/2022

2023/00457 ~ Provisional ~54:COFFIN URN ~71:HERMANUS STEPHANUS PRETORIUS, 17 Honeyguide Cres, Glen Marais, South Africa ~72: HERMANUS STEPHANUS PRETORIUS~

2023/00464 ~ Complete ~54:TECHNICAL METHOD FOR HARMLESS CONTROL OF CYDIA POMONELLA L. BY TRICHOGRAMMA DENDROLIMI MATSUMURA, CHOUIOIA CUNEA YANG AND SEX ATTRACTANT ~71:Xinjiang Academy of Forestry Sciences, 191 Anju South Road, Shuimogou District, Urumqi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Abdulla AKBAR;Ayixiamu YAKUFU;KONG Tingting;LIU Aihua;Nurgul MAHAN~

2023/00468 ~ Complete ~54:ORGANIC COATING MODIFYING METHOD FOR WHITE CARBON BLACK ~71:Nanchang Hangkong University, 696 Fenghe Nan Avenue, Nanchang City, Jiangxi Province, People's Republic of China ~72: DAI Yuhua;HU Bin;LING Yun;WANG Yiqiao;XIE Yu~

2023/00473 ~ Complete ~54:NICKEL-BASED SINGLE CRYSTAL SUPERALLOY WITH HIGH CONCENTRATION RE/RU AND HIGH TEMPERATURE BEARING CAPACITY AND PREPARATION METHOD THEREOF ~71:SHENYANG UNIVERSITY OF TECHNOLOGY, NO. 111, SHENLIAO WEST ROAD, People's Republic of China ~72: LIU, Lirong;TIAN, Ning;TIAN, Songwen;TIAN, Sugui;WANG, Guangyan;YAN, Huajin;ZHAO, Guoqi~ 33:CN ~31:202211277352.2 ~32:19/10/2022

2023/00482 ~ Complete ~54:A FLOW FORM OBSERVING DEVICE FOR HIGH-TEMPERATURE AND HIGH-PRESSURE VERTICAL PIPE FLOW AND A METHOD ~71:CHINA UNIVERSITY OF PETROLEUM-BEIJING AT KARAMAY, No. 355 Anding Road, Karamay City, Xinjiang, 834000, People's Republic of China;XINJIANG UYGUR AUTONOMOUS REGION SPECIAL EQUIPMENT INSPECTION AND RESEARCH INSTITUTE, No. 188 East Hebei Road, High-tech Zone, Urumqi City, Xinjiang, 830011, People's Republic of China ~72: CHEN, Siyu;GUO, Jixiang;LIU, Jian;MIAO, Rui;SONG, Wei;XU, Ming;YANG, Yuqi;YANG, Zuguo;ZHANG, Haipeng~

2023/00486 ~ Complete ~54:OXAZOLIDINONE COMPOUNDS, LIPOSOME COMPOSITIONS COMPRISING OXAZOLIDINONE COMPOUNDS AND METHODS OF USE THEREOF ~71:AKAGERA MEDICINES, INC., 5 Essex Street, Boxford, Massachusetts, 01921, United States of America ~72: ALEXANDER KOSHKARYEV;CHARLES O NOBLE;DARYL C DRUMMOND;DMITRI B KIRPOTIN;SURESH K TIPPARAJU~ 33:US ~31:63/040,810 ~32:18/06/2020;33:US ~31:17/351,631 ~32:18/06/2021

2023/00490 ~ Complete ~54:7-(PIPERIDIN-1-YL)-4H-PYRIMIDO[1,2-B]PYRIDAZIN-4-ONE DERIVATIVES AS POSITIVE ALLOSTERIC MODULATORS OF THE MUSCARINIC ACETYLCHOLINE RECEPTOR M4 ~71:VANDERBILT UNIVERSITY, 305 Kirkland Hall, 2201 West End Avenue, Nashville, Tennessee 37240, United States of America ~72: ALISON R GREGRO;ANNA E RINGUETTE;CRAIG W LINDSLEY;DARREN W ENGERS;KAYLA J TEMPLE;LOGAN A BAKER;MADELINE F LONG;P. JEFFREY CONN;THOMAS JENSEN~ 33:US ~31:63/052,085 ~32:15/07/2020

2023/00496 ~ Complete ~54:OPERATION DEVICE OF WORK VEHICLE ~71:KUBOTA CORPORATION, 2-47 SHIKITSUHIGASHI 1-CHOME, NANIWA-KU, OSAKA-SHI, OSAKA 5568601, JAPAN, Japan ~72: OKI, Susumu;WATANABE, Masatoshi;YOSHIDA, Tomohiro~ 33:JP ~31:2020-104666 ~32:17/06/2020;33:JP ~31:2020-195531 ~32:25/11/2020

2023/00505 ~ Complete ~54:COMPOSITIONS USEFUL FOR TREATMENT OF CHARCOT-MARIE-TOOTH DISEASE ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd., 9th Floor,

PHILADELPHIA 19104, PA, USA, United States of America ~72: HINDERER, Christian;WILSON, James M.;WORKMAN, Eileen~ 33:US ~31:63/051,336 ~32:13/07/2020;33:US ~31:63/173,045 ~32:09/04/2021

2023/00460 ~ Complete ~54:EXPERIMENTAL DEVICE FOR INTELLIGENTLY MEASURING WATER STORAGE COEFFICIENT OF UNDERGROUND RESERVOIR IN COAL MINE ~71:LIAONING TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China;Shenmu Chaoyuan Mining Co. LTD, Liushumao Village, Sunjiacha Town, Shenmu City, Yulin City, Shaanxi Province, People's Republic of China ~72: JIN Jiaxu;LIU Qiang;LIU Weiyang;WANG Beifang;WU Pengfei~

2023/00471 ~ Complete ~54:PHOTOVOLTAIC WATER HEATING ASSEMBLY AND LAMINATING MACHINE THEREFOR ~71:Institute of Energy Research, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: DENG, Tonghui;FAN, Min;SUN, Liyuan;WU, Xiaofang;XI, Xiping;XIE, Yunsheng;XIONG, Jihai;YANG, Lei~

2023/00476 ~ Complete ~54:AN ALGAL AND BACTERIAL SYMBIOTIC ECOLOGICAL FLOATING PLATE ~71:Anhui Agricultural University, No.130 Changjiang West Road, Shushan District, Hefei City, Anhui Province, 230036, People's Republic of China ~72: Cheng Huang;Fan Yang;Mengran Xie;Weiqian Shao;Yinuo Cao;Yuhan Peng;Zhaocheng Wang~

2023/00481 ~ Complete ~54:A DIKETOPYRROLOPYRROLE BASED RED LIGHT CONVERSION AGENT MATERIAL ~71:UNIVERSITY OF JINAN, No. 336 Nanxinzhuan west Road, People's Republic of China ~72: JIANG, Xuchuan;LIU, Wei;LU, Xiangxiang;YANG, Chengxiang;YOU, Qi~ 33:CN ~31:2022111366158 ~32:19/09/2022

2023/00495 ~ Complete ~54:TURRET WITH A ZERO STOP ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: CAMPBELL, Rick;HELTEMES, Joseph~ 33:US ~31:63/039,791 ~32:16/06/2020

2023/00504 ~ Complete ~54:PYRIDINE-1,5-DIONES EXHIBITING MNK INHIBITION AND THEIR METHOD OF USE ~71:4E Therapeutics Inc., 3800 N. Lamar Blvd, Ste. 200, AUSTIN 78756, TX, USA, United States of America ~72: PRICE, Theodore J.;SAHN, James J.~ 33:US ~31:63/046,325 ~32:30/06/2020

2023/00463 ~ Complete ~54:DEVICE AND METHOD FOR GENERATING BROADBAND OPTICAL FREQUENCY COMB BASED ON ARBITRARY WAVEFORM GENERATOR ~71:SOUTHWEST UNIVERSITY, 2 Tiansheng Road, Beibei District, Chongqing City, 400715, People's Republic of China ~72: DENG Tao;DING Zhuyu;FAN Li;GAO Ziyi;GOU Chenhao;LIN Xiaodong;LUO Yang;TANG Xi;ZHU Peipei~ 33:CN ~31:2022229568380 ~32:07/11/2022

2023/00467 ~ Complete ~54:THREE-DIMENSIONAL SIMILAR MATERIAL MODEL EXPERIMENT DEVICE AND METHOD FOR SIMULATING COAL SEAM MINING ~71:LIAONING TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China;Shenmu Chaoyuan Mining Co. LTD, Liushumao Village, Sunjiacha Town, Shenmu City, Yulin City, Shaanxi Province, People's Republic of China ~72: JIN Jiaxu;LIU Qiang;LIU Weiyang;WANG Beifang;WU Pengfei~

2023/00477 ~ Complete ~54:EXPERIMENTAL DEVICE AND METHOD FOR DETECTING THE ABRASION OF THE CONVEYOR ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Feng Bin;Hou Tenglong;Kou Ziming;Li Junxia;Ma Qipeng;Wang Jixin;Wang Yuan;Yang Xiaobing~

2023/00479 ~ Complete ~54:FERTILIZER APPLYING DEVICE BASED ON SYNCHRONOUS BELT CONVEYING MECHANISM FOR COTTON ~71:Shihezi University, College of Mechanical and Electrical

Engineering, Shihezi University, Beisi Road, Shihezi City 832003, Xinjiang Uygur Autonomous Region, CHINA (P.R.C.), People's Republic of China ~72: BU, Haoran;DONG, Wancheng;HU, Xue;WU, Xun;YU, Siyao;ZHANG, Lixin;ZHANG, Yijia;ZHAO, Jiawei~

2023/00484 ~ Complete ~54:SHORE-BASED INTELLIGENT MOORING SYSTEM AND METHOD BASED ON ON-SITE REAL-TIME FEEDBACK ~71:Tianjin Research Institute for Water Transport Engineering,M.O.T., No.37,Xingang 2nd Road,Binhai New area, Tianjin, 300456, People's Republic of China ~72: Baolei GENG;Feng GAO;Gelin KANG;Hanbao CHEN;Huaqing ZHANG;Huili YANG;Jielong HU;Mingyang LIU;Ruijia JIN;Songgui CHEN;Wenjun SHEN;Yajing ZHANG;Yingni LUAN;Yiyun CHU;Zhonghua TAN;Zuoda QI~ 33:CN ~31:2021114951750 ~32:08/12/2021

2023/00493 ~ Complete ~54:ANTIVIRAL USE OF LIRAGLUTIDE AND GEFITINIB ~71:DELTA 4 GMBH, Alser Stra&#223;e 23/DG/30 1080 Vienna, Austria ~72: PAUL PERCO~ 33:EP ~31:20188727.0 ~32:30/07/2020

2023/00501 ~ Complete ~54:METHOD, COMPUTER SYSTEM AND COMPUTER PROGRAM PRODUCT FOR IMPROVED TABLE PROCESSING ~71:MORNINGSTAR INC., 22 West Washington Street, United States of America ~72: DESHPANDE, Swapnil;GAWADE, Tushar;KOTWAL, Vaibhav;NIKHIL, Sule;SHARIQ, Ahmad;YADAV, Kartik~ 33:EP ~31:20180937.3 ~32:18/06/2020

2023/00494 ~ Complete ~54:METHOD FOR PREPARING AMINO ACID GRANULE FROM FERMENTATION BROTH ~71:CJ CHEILJEDANG CORPORATION, 330, DONGHO-RO, JUNG-GU, SEOUL 04560, REP OF KOREA, Republic of Korea ~72: GWAK, Won Sik;HONG, Jin Tae;KANG, Ji-hun;KWON, Min Kyung;LEE, In Sung;YU, Jae Hun~ 33:KR ~31:10-2020-0078737 ~32:26/06/2020

2023/00502 ~ Complete ~54:METHOD FOR EXTENDING FLOWERING PERIODS OF NON-BULBOUS HERBACEOUS FLOWERS IN PLANT FACTORY ~71:FUJIAN SANAN SINO-SCIENCE PHOTOBIOTECH CO., LTD, Optoelectronics Industrial Park, Hengshan Village, Hutou Town, Anxi County Quanzhou City, Fujian, 362411, People's Republic of China ~72: Tingting Wang;Yang Li;Yiqun Chen~ 33:CN ~31:202010720130.8 ~32:24/07/2020

- APPLIED ON 2023/01/12 -

2023/00511 ~ Complete ~54:METHOD FOR DETECTING RESPONSE EFFECT OF ASPARAGUS OFFICINALIS L. DECOMPOSED STRAWS ~71:INSTITUTE OF VEGETABLES AND FLOWERS, JIANGXI ACADEMY OF AGRICULTURAL SCIENCES, NO. 602, NANLIAN ROAD, People's Republic of China ~72: LUO, Shaochun;TANG, Yongping;YE, Yanying;YIN, Yuling;ZHANG, Bingbing;ZHOU, Jinsong~

2023/00519 ~ Complete ~54:METHOD AND SYSTEM FOR HIGH-VALUE COMPREHENSIVE UTILIZATION OF BAMBOO SHOOT SHELLS ~71:Guizhou Minzu University, Dongjiayan, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LIU, Taoze;PAN, Guiying;PENG, Yan;YANG, Cheng;ZENG, Guangneng~

2023/00527 ~ Complete ~54:METHOD FOR TRACING SOURCES OF PHOSPHATE IN WATER BASED ON OXY-GEN ISOTOPES AND HYDROCHEMICAL CHARACTERISTICS OF PHOSPHATE ~71:Wuhan Center, China Geological Survey (Central South China Innovation Center for Geosciences), No. 69 Guanggu Avenue, East Lake New Technology Development Zone, People's Republic of China ~72: HUANG, Kun;HUANG, Xingkai;LI, Mengru;LIU, Yalei;SHI, Tingting;WANG, Chensheng;YAN, Jusheng;ZHANG, Yu;ZHOU, Dankun~

2023/00529 ~ Complete ~54:A SUPPORT INFORMATION SYSTEM FOR HEALTHY LIFE EXPECTANCY APPLICATION BASED ON HEALTH CARE BIG DATA AND A METHOD ~71:SHANGHAI MUNICIPAL CENTER FOR DISEASE CONTROL AND PREVENTION, No. 1380, Zhongshan West Road, Changning District Shanghai



200336, People's Republic of China ~72: CAI, Renzhi;CHEN, Lei;CUI, Xin;FANG, Bo;FU, Chen;WANG, Chunfang;XIA, Han;XIA, Tian;YU, Huiting~

2023/00535 ~ Complete ~54:SYSTEM AND METHOD FOR PERSISTENT CONTACTLESS CHECK-IN ~71:THOUGHTFUL PTY LIMITED, Level 8, 22 Exhibition Street, Melbourne, Australia ~72: FRIEDMAN, Adam;TO, Kwok Kit Jamie~ 33:AU ~31:2020902724 ~32:04/08/2020

2023/00545 ~ Complete ~54:ON-LOAD TAP CHANGER MODULE ~71:MASCHINENFABRIK REINHAUSEN GMBH, Falkensteinstraße 8, 93059 Regensburg, Germany ~72: FELDMEIER, Stefan;HILTNER, Robert;NZBERG, Christian;MEYER, Markus;UNTERREINER, Nikolaus~ 33:DE ~31:10 2020 122 453.2 ~32:27/08/2020

2023/00552 ~ Complete ~54:METHOD AND APPARATUS FOR DELIVERING FLUID DROPLETS ONTO AN OPEN AND STATIONARY TRAY ~71:DESVAC, 23 boulevard de la Chanterie ZA Pole 49, 49124 Saint-Barthelemy, D-Anjou, France ~72: BOISDON, Olivier;MARS, Julie;SCHERDEL, Batrice~ 33:FR ~31:2007533 ~32:17/07/2020

2023/00509 ~ Provisional ~54:COOKING UTENSIL ~71:COOMER, Christopher, 111 Uitlander Street, South Africa ~72: COOMER, Christopher~

2023/00514 ~ Complete ~54:HYBRID BREEDING METHOD FOR SOYBEANS ~71:Soybean Research Institute of Heilongjiang Academy of Agricultural Sciences, No. 368, Xuefu Road, Nangang District, Harbin City, Heilongjiang Province, 150086, People's Republic of China ~72: GAO, Mingjie;HAN, Xinchun;HE, Wenjin;JI, Nina;LI, Yidan;REN, Honglei;WANG, Guangjin;WANG, Jiajun;WEI, Lanlan;ZHANG, Bixian;ZHANG, Fengyi;ZHANG, Ruiping;ZHANG, Xin;ZHU, Xiao~

2023/00517 ~ Complete ~54:CHINESE MEDICINAL HERB EXTRACT FOR CLEARING INTERNAL HEAT AND PREPARATION METHOD OF ORAL PRODUCT THEREOF ~71:Zeson Biotechnology Group Co., Ltd., Room 112, Building 12, Qianwan Commercial Center, High-tech Zone, Suzhou, Jiangsu Province, 215000, People's Republic of China ~72: ZHANG, Ming~

2023/00522 ~ Complete ~54:NEW OPTIMIZATION METHOD OF SEPARATING ETHYLENE GLYCOL AND 1,2-PENTANEDIOL FROM CORN FERMENTATION TREATMENT LIQUID ~71:Jiaying University, No. 100, Meisong Road, Meijiang District, Meizhou City, People's Republic of China ~72: Dai Chuanbo;Li Wenchao;Wang Hua~

2023/00526 ~ Complete ~54:MANAGEMENT SYSTEM AND GAMING CURRENCY ~71:Angel Group Co., Ltd., 4600, Aono-cho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi~ 33:JP ~31:2022-003598 ~32:13/01/2022

2023/00532 ~ Complete ~54:AN ECOLOGICAL REVETMENT BLOCK ~71:Southwest University, No. 2, Tiansheng Road, Beibei District, Chongqing, People's Republic of China ~72: Du Wenwu;Zhou Jingren~

2023/00538 ~ Complete ~54:CLIMATE ISLAND ~71:DAMIEN LANG, 33 rue de Belfort 67100 Strasbourg, France;JEAN-MARC SCHERRER, 19 rue de l'Anémone 68400 Riedisheim, France ~72: DAMIEN LANG;JEAN-MARC SCHERRER~ 33:FR ~31:2006996 ~32:02/07/2020

2023/00540 ~ Complete ~54:ANTI-TRANSFERRIN RECEPTOR (TFR) ANTIBODY AND USES THEREOF ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/055,721 ~32:23/07/2020;33:US ~31:63/069,071 ~32:23/08/2020;33:US ~31:63/143,825 ~32:30/01/2021

2023/00546 ~ Complete ~54:COMBINATIONS FOR THE TREATMENT OF CANCER ~71:EXELIXIS, INC., 1851 Harbor Bay Parkway, Alameda, CA, United States of America ~72: CHONG, Colin;HSU, Ssucheng, Jeff;LAMB, Peter;SCHEFFOLD, Christian;SCHWAB, Gisela;YU, Peiwen~ 33:US ~31:63/059,601 ~32:31/07/2020;33:US ~31:63/113,556 ~32:13/11/2020;33:US ~31:63/148,921 ~32:12/02/2021

2023/00551 ~ Complete ~54:METHOD AND APPARATUS FOR DELIVERING FLUID DROPLETS ONTO AN OPEN AND STATIONARY TRAY ~71:DESVAC, 23 boulevard de la Chanterie ZA Pole 49, 49124 Saint-Barthelemy, D&#39;Anjou, France ~72: BOISDON, Olivier;MARS, Julie;SCHERDEL, B&#233;atrice~ 33:FR ~31:2007531 ~32:17/07/2020

2023/00512 ~ Complete ~54:INTELLIGENT GREENHOUSE CONTROL SYSTEM AND METHOD ~71:Heyuan Polytechnic, University Town, Donghuan Road, Heyuan City, Guangdong Province, 517000, People's Republic of China ~72: CHEN, Yanfang;FENG, Youqiang;LONG, Shupin;QIU, Yuankai;TIAN, Jingfu~ 33:CN ~31:202210093444 .9 ~32:26/01/2022

2023/00520 ~ Complete ~54:SYSTEM FOR COMPREHENSIVE RECYCLING UTILIZATION OF BAMBOO SHOOT SHELLS ~71:Guizhou Minzu University, Dongjiayan, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LIU, Taoze;PAN, Guiying;PENG, Yan;YANG, Cheng;ZENG, Guangneng~

2023/00533 ~ Complete ~54:A SORT STORAGE BOX FOR LABORATORY REAGENTS ~71:GUANGZHOU WOLIN LABORATORY EQUIPMENT CO., LTD, No. 3, No. 28, Dichong Village Section, Haiyong Road, Shiqi Town, Panyu District, Guangzhou City, Guangdong Province, 510000, People's Republic of China ~72: YU, Weizhi~

2023/00537 ~ Complete ~54:NUCLEAR-GRADE SAFETY DISPLAY APPARATUS AND CONFIGURATION-PARSING SYSTEM THEREFOR ~71:NUCLEAR POWER INSTITUTE OF CHINA, No.328, Section 1 Of Changshun Avenue, Shuangliu District Chengdu, Sichuan, 610213, People's Republic of China ~72: BIN YANG;DAQI CHEN;FEI YANG;HENG WANG;MINGXING LIU;QUAN MA;WEI JIANG;YANG ZHAO;YANQUN WU~ 33:CN ~31:202010595078.8 ~32:28/06/2020

2023/00543 ~ Complete ~54:MUSHROOM LINE N-S34, INCORPORATED INTO HYBRID MUSHROOM STRAIN LA3782, AND DERIVATIVES THEREOF ~71:SOMYCEL, Anc R Carnot Zi Sud Route De Tours, 37130, Langeais, France ~72: ANI&#199;A AMINI;HARRY HESEN;MARK LOFTUS;MARK WACH;MICHAEL KESSLER;MICHELLE SCHULTZ;MICKAEL O'ROURKE;ST&#201;PHANIE BITAUDEAU;SYLVIE DELBECQUE;TOMASZ KUCZMASZEWSKI~ 33:EP ~31:20305862.3 ~32:27/07/2020

2023/00549 ~ Complete ~54:METHANE REFORMER FOR THE PRODUCTION OF HYDROGEN AND A HYDROCARBON FUEL ~71:SYZYGY PLASMONICS INC., 9000 Kirby Drive, United States of America ~72: BEST, Trevor William;GARDEZI, Syed Ali;KHATIWADA, Suman;SHAH, Shreya~ 33:US ~31:63/054,163 ~32:20/07/2020

2023/00555 ~ Complete ~54:APPARATUS FOR SEPARATING AND CONVEYING ROOT CROPS ~71:Grimme Landmaschinenfabrik GmbH & Co. KG, Hunteburger Stra&#223;e 32, DAMME 49401 , GERMANY, Germany ~72: ROSS, Julian;STROTHMANN, Wolfram~ 33:DE ~31:10 2020 118 423.9 ~32:13/07/2020

2023/00554 ~ Complete ~54:PHYTASE VARIANTS AND POLYNUCLEOTIDES ENCODING SAME ~71:Novozymes A/S, Krogshoejvej 36, BAGSVAERD 2880, DENMARK, Denmark ~72: S&#201;ON, Aur&#233;lia Anne Catherine Charlotte;SANTIGOSA, Ester;SKOV, Lars Kobber&#248;e;SORBARA, Jose-Otavio;VIND, Jesper;WALK, Carrie Louise;ZHAI, Hengxiao;ZHANG, Qian~ 33:EP ~31:20190917.3 ~32:13/08/2020;33:EP

~31:20201328.0 ~32:12/10/2020;33:IB ~31:2021/081613 ~32:18/03/2021;33:EP ~31:21172706.0  
~32:07/05/2021

2023/00556 ~ Complete ~54:GROUND-ENGAGING TRACK FOR MACHINE HAVING MULTI-TOOTH MASTER LINK ~71:Caterpillar Inc., 100 NE Adams Street, PEORIA 61629-9510, IL, USA, United States of America ~72: CLARKE, Donovan Stuart;RECKER, Roger Lee;STEINER, Kevin Lee;WANG, Jianjun;WEISBRUCH, Eric Bernard~ 33:US ~31:16/905,681 ~32:18/06/2020

2023/00507 ~ Provisional ~54:COMPLIANT MATERIAL FOR A GRAFT ~71:ASCENSE MEDICAL GmbH, Modecenterstra&#223;e 22/D14, Austria ~72: JARMAN, Jeremy Douglas;MIRCHANDANI, Smruti;MOORE, Michael Matthew;TICAR, Johanna Maria~

2023/00508 ~ Provisional ~54:BACTERIAL COMPOSITION AND METHOD FOR SUBSTRATE INOCULATION ~71:Gerhard Vermaak, 49 Pony Lane,, South Africa ~72: Gerhard Vermaak~

2023/00516 ~ Complete ~54:INTELLIGENT FORECASTING METHOD AND SYSTEM FOR NAVIGATION SAFETY IN WATERS ~71:Tianjin Research Institute for Water Transport Engineering, Ministry of Transport, No. 2618, Xingang 2nd Road, Tanggu, Binhai New District, Tianjin, 300456, People's Republic of China ~72: GAN, Weidong;HAO, Yuanyuan;KANG, Suhai;KONG, Xianwei;LI, Guosen;LI, Huaguo;LI, Xiaochen;LI, Xiaosong;LI, Xiaoxing;LI, Yanwei;MA, Dianguang;QU, Jing;WANG, Chenyang;WANG, Yi&#39;an;YANG, Zongmo;ZHANG, Lei;ZHANG, Lei;ZHANG, Mingjin;ZHANG, Shuai;ZHU, Yude~

2023/00523 ~ Complete ~54:METHOD FOR RECOVERING PRECIOUS METALS IN THIOSULFATE LEACHATE BASED ON ELECTROCHEMISTRY AND CATALYSIS COMBINED TECHNOLOGY ~71:WUHAN UNIVERSITY OF TECHNOLOGY, No. 122 Luoshi Road, Hongshan District, Wuhan, Hubei Province, 430070, People's Republic of China ~72: CHEN, Peng;JIA, Feifei;LIANG, Yumeng;LIU, Chang;SONG, Shaoxian;YANG, Bingqiao;ZENG, Shilin~

2023/00525 ~ Complete ~54:AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR SUBPICTURE SIGNALLING IN SEQUENCE PARAMETER SET ~71:Huawei Technologies Co., Ltd., Huawei Administration Building, Bantian, Longgang District, SHENZHEN 518129, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: ALSHINA, Elena Alexandrovna;ESENLIK, Semih;GAO, Han;KOTRA, Anand Meher;WANG, Biao~ 33:IB ~31:2020/053465 ~32:11/02/2020

2023/00530 ~ Complete ~54:A CHINESE MEDICINAL COMPOSITION FOR PREVENT AND TREATING CANC AND ITS PREPARATION METHOD ~71:Panjin Institute of Industrial Technology, Dalian University of Technology, No.1 Zhifang Street, Liaodong Bay new area, Panjin, Liaoning, 124221, People's Republic of China ~72: Guo Jianli;Guo Shuang;Yan Zhigang~

2023/00542 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING DYSTROPHINOPATHIES ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/055,777 ~32:23/07/2020;33:US ~31:63/069,077 ~32:23/08/2020;33:US ~31:63/143,829 ~32:30/01/2021

2023/00550 ~ Complete ~54:A PREPARATION METHOD OF A CATALYST FOR EFFICIENT CATALYTIC CRACKING OF SLUDGE PYROLYSIS TAR, ITS APPLICATION AND REAL-TIME DETECTION SYSTEM ~71:Harbin Institute of Technology, 92 West Dazhi Street, Nan Gang District, Harbin, Heilongjiang Province, 150001, People's Republic of China ~72: Houyu JIN;Jun ZHANG;Linlin YIN;Zhengrui CHEN~ 33:CN ~31:202111661041.1 ~32:30/12/2021

2023/00558 ~ Complete ~54:COMBINED CURRENT CARRIER CIRCULATION CHAMBER AND FRAME FOR USE IN UNIPOLAR ELECTROCHEMICAL DEVICES ~71:KEY DH IP INC./IP STRAT&#201;GIQUES DH, INC., 40 Sandford Fleming Rd., Canada ~72: LACHANCE, Raynald G.;SPAL, Jaideep S.;STUART, Andrew T. B.;STUART, Edward D. B.;STUART, Samantha E. L.~ 33:US ~31:63/053,264 ~32:17/07/2020;33:US ~31:16/994,125 ~32:14/08/2020

2023/00513 ~ Complete ~54:REINFORCEMENT METHOD FOR ASPHALT CONCRETE CORE WALL DAM BODY LOCATED ON DEEP OVERBURDEN ~71:China Institute of Water Resources and Hydropower Research, No.20, Chegongzhuang West Road, Haidian District, Beijing, 100048, People's Republic of China;Dalian University of Technology, No.2, Linggong Road, Ganjingzi District, Dalian City,, Liaoning Province, 116024, People's Republic of China ~72: CHEN, Dong;KANG, Fei;LANG, Zifan;LI, Hongjun;LI, Zhiyuan;LIU, Shiyue;XU, Zeping;YAN, Zuwen;ZHONG, Hong~ 33:CN ~31:202211443222.1 ~32:18/11/2022

2023/00521 ~ Complete ~54:NEW OPTIMIZATION PROCESS FOR SEPARATING THE ETHYLENE GLYCOL AND 1,2-BUTANEDIOL ~71:Jiaying University, No. 100, Meisong Road, Meijiang District, Meizhou City, People's Republic of China ~72: Dai Chuanbo;Li Wenchao;Wang Hua~

2023/00524 ~ Complete ~54:HIGH-TEMPERATURE WEAR-RESISTANT MOLYBDENUM ALLOY COATING PREPARED BY LASER CLADDING TECHNOLOGY AND ITS PREPARATION METHOD ~71:Taiyuan University of Technology, No.79 Yingze West Street, Wanbailin District, Taiyuan, Shanxi Province, People's Republic of China ~72: Cui Gongjun;Cui Haotian;Gao Guijun;Han Wenpeng;Jiao Shaoni;Kou Ziming;Zhang Peng~

2023/00528 ~ Complete ~54:A SIMPLE LIQUID LEVEL WARNING DEVICE ~71:CHINESE RESEARCH ACADEMY OF ENVIRONMENTAL SCIENCES, No. 8 Dayangfang, Anwai, Chaoyang District, Beijing, 100012, People's Republic of China ~72: BAI, Lu;DONG, Liwei;WANG, Wenjun;XU, Chunlian;ZHANG, Wei~

2023/00534 ~ Complete ~54:A METHOD OF PULPING FROM DISTILLER'S GRAINS OF LIQUOR BY SODA PROCESS ~71:Sichuan University of Science & Engineering, #519 Hui-xing-lu, Ziliujing, Zigong, Sichuan, People's Republic of China;Wuliangye Yibin Co., Ltd., #150 Min-jiang-xi-lu, Cuiping, Yibin, Sichuan, 644000, People's Republic of China ~72: Ding Chunyue;Gao Hongxia;Li Xiao;Su Jian;Wang Hong;Zhang Fuyong;Zhang Yuan;Zheng Jia~

2023/00544 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING LATE-ONSET POMPE DISEASE ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: AN HAACK, Kristina;FINN, Patrick;HAMED, Alaa;WILSON, Catherine~ 33:US ~31:63/038,857 ~32:14/06/2020;33:US ~31:63/076,037 ~32:09/09/2020;33:US ~31:63/147,629 ~32:09/02/2021;33:US ~31:63/157,490 ~32:05/03/2021

2023/00548 ~ Complete ~54:SELF-AMPLIFYING SARS-COV-2 RNA VACCINE ~71:ZIPHIUS VACCINES, Legeweg 157 bus C, Belgium ~72: CARDON, Christiaan;HAQUE A K M, Ashiqui;MC CAFFERTY, S&#233;an;SAHU, Itishri;SANDERS, Niek~ 33:EP ~31:20181249.2 ~32:19/06/2020;33:EP ~31:20184036.0 ~32:03/07/2020;33:EP ~31:21170302.0 ~32:23/04/2021

2023/00557 ~ Complete ~54:COMPOSITIONS FOR TREATMENT OF SPINAL MUSCULAR ATROPHY ~71:Cold Spring Harbor Laboratory, 1 Bungtown Road, COLD SPRING HARBOR 11724, NY, USA, United States of America;Consejo Nacional de Investigaciones Cient&#237;ficas y T&#233;cnicas (CONICET), Godoy Cruz 2290, Piso 9, BUENOS AIRES C1425FQB, ARGENTINA, Argentina;Universidad de Buenos Aires, Viamonte 430, BUENOS AIRES C1053, ARGENTINA, Argentina ~72: KORNBLIHTT, Alberto R.;KRAINER, Adrian;MARASCO, Luciano E.;STIGLIANO, Jose~ 33:US ~31:63/051,279 ~32:13/07/2020

2023/00510 ~ Complete ~54:A CARD GAME SYSTEM FOR PLAYING A CARD GAME ~71:SUN INTERNATIONAL (IP) LIMITED, 6 Sandown Valley Crescent, SANDTON 2196, Gauteng, SOUTH AFRICA, South Africa ~72: OLCKERS, Maartin~ 33:ZA ~31:2022/02446 ~32:28/02/2022

2023/00515 ~ Complete ~54:PRIMER PAIR FOR DETECTING RS3735664 C>T LOCUS OF ELFN1-AS1 GENE AND USE THEREOF ~71:Yancheng Teachers University, No. 50, Kaifang Avenue, Yancheng City, Jiangsu Province, 224002, People's Republic of China ~72: GAO, Xueren;LI, Xianyang~ 33:CN ~31:202211451857.6 ~32:21/11/2022

2023/00518 ~ Complete ~54:STEP-BY-STEP DEVELOPMENT AND UTILIZATION SYSTEM FOR WASTE BAMBOO SHOOT SHELLS ~71:Guizhou Minzu University, Dongjiayan, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: LIU, Taoze;PAN, Guiying;PENG, Yan;YANG, Cheng;ZENG, Guangneng~

2023/00531 ~ Complete ~54:LECLERCIA SP. CYIJM 6 AND ITS APPLICATION ~71:Institute of Applied Ecology, Chinese Academy of Sciences, 72 Wenhua Road, Shenhe District, Shenyang, Liaoning Province, 110016, People's Republic of China ~72: Chen Lijun;Chen Zhenhua;Hu Jingmin;Jiang Nan;Zhang Yulan~

2023/00536 ~ Complete ~54:PRODRUGS OF PHOSPHONAMIDE NUCLEOTIDE ANALOGUES AND THEIR PHARMACEUTICAL USE ~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: BYUN, DANIEL H.;CHUN, BYOUNG-KWON;CLARKE, MICHAEL O.;JANSA, PETR;NADUTHAMBI, DEVAN;SQUIRES, NEIL H.~ 33:US ~31:63/062,899 ~32:07/08/2020

2023/00539 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING FACIOSCAPULOHUMERAL MUSCULAR DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/055,768 ~32:23/07/2020;33:US ~31:63/061,839 ~32:06/08/2020;33:US ~31:63/143,828 ~32:30/01/2021;33:US ~31:63/181,456 ~32:29/04/2021

2023/00541 ~ Complete ~54:MUSCLE TARGETING COMPLEXES AND USES THEREOF FOR TREATING MYOTONIC DYSTROPHY ~71:DYNE THERAPEUTICS, INC., 1560 Trapelo Road Waltham, Massachusetts, 02451, United States of America ~72: BRENDAN QUINN;CODY A DESJARDINS;JOHN NAJIM;MOHAMMED T QATANANI;ROMESH R SUBRAMANIAN;TIMOTHY WEEDEN~ 33:US ~31:63/055,749 ~32:23/07/2020;33:US ~31:63/069,075 ~32:23/08/2020;33:US ~31:63/143,827 ~32:30/01/2021

2023/00547 ~ Complete ~54:COMPOSITIONS AND METHODS FOR INHIBITING LPA EXPRESSION ~71:DICERNA PHARMACEUTICALS, INC, 75 Hayden Avenue, Lexington, United States of America ~72: ABRAMS, Marc;BROWN, Bob, Dale;DUDEK, Henryk ,T.;HAN, Wen;TURANOV, Anton~ 33:US ~31:63/061,676 ~32:05/08/2020;33:US ~31:63/074,779 ~32:04/09/2020

2023/00553 ~ Complete ~54:HETERODIMERIC RELAXIN FUSIONS AND USES THEREOF ~71:MedImmune Limited, Milstein Building, Granta Park, CAMBRIDGE CB21 6GH, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: KE, Peng;MARTIN, Esther Marie;PAPWORTH, Monika Anna;PATERSON, Judy Christiane;SERMADIRAS, Isabelle~ 33:US ~31:63/040,250 ~32:17/06/2020

- APPLIED ON 2023/01/13 -

2023/00572 ~ Complete ~54:HERBAL MASSAGE OIL FOR PAIN MANAGEMENT BY QPS TECHNOLOGY ~71:BATHE, Ritesh, Suresh, Principal and Professor, Siddhivinayak College of Pharmacy, At Chimur Road, Anadwan, Warora, India;BENDALE, Atul Rupchand, Sandip Institute of Pharmaceutical Sciences, Trambakeshwar

Road, Nashik, India;GALGATTE, Upendra Chandrakant, P E Society's Modern College of Pharmacy, Nigdi, Pune, Maharashtra, India;NEMADE, Kanchan, Sudhakar, 39/1 Supari Bag, Jamner, Dist, Jalgaon, Maharashtra, India;OTARI, Kishor Vasant, Navsahyadri Institute of Pharmacy, Naigaon (Nasrapur) Tal. Bhor, Dist., India;RANE, Jesika Chandan, Hon'ble Loksevak Madhukarrao Chaudhari College of Pharmacy, Faizpur, Maharashtra, India;SARODE, Suraj, Murlidhar, Principal, Shree P.E.(Tatya) Patil Institute of Pharmacy (B.Pharm.), 95/1, Aurangabad Road, Chincholi, Shivar, India;TARATE, Vivek, Subhash, Navsahyadri Institute of Pharmacy, Naigaon (Nasrapur) Tal. Bhor, Dist., India ~72: BATHE, Ritesh, Suresh;BENDALE, Atul Rupchand;GALGATTE, Upendra Chandrakant;NEMADE, Kanchan, Sudhakar;OTARI, Kishor Vasant;RANE, Jesika Chandan;SARODE, Suraj, Murlidhar;TARATE, Vivek, Subhash~

2023/00579 ~ Complete ~54:SNO2@ BIOCHAR PHOTOCATALYST AND PREPARATION METHOD AND APPLICATION THEREOF ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, People's Republic of China ~72: CAO, Yuanzi;GENG, Hongchao;HUANG, Zhenzhen;JIANG, Libin;KANG, Haiyan;LI, Jiebing;LI, Ka;LI, Leli;LIU, Jingquan;LIU, Luwei;MA, Fengfeng;SHI, Mengyao;SONG, Zhongxian;WANG, Kai;YIN, Shiqiang;ZHANG, Jinhui;ZHAO, Zirun;ZHU, Xinfeng~

2023/00583 ~ Complete ~54:VIDEO ENCODING AND DECODING ~71:HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD., No.555 Qianmo Road, Binjiang District, Hangzhou, 310051, People's Republic of China ~72: FANGDONG CHEN~ 33:CN ~31:201811628695.2 ~32:28/12/2018

2023/00560 ~ Provisional ~54:ROCK ANCHOR ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2023/00564 ~ Complete ~54:A METHOD OF HYDROTHERMAL AND OXIDATIVE SYNERGISTIC EXTRACTION OF CHROMIUM FROM ELECTROPLATING SLUDGE ~71:South China University of Technology, No.381, Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510000, People's Republic of China ~72: Hong DENG;Jiayi ZHENG;Weizhen LIU;Xin SUN;Xueming LIU;Zhang LIN~

2023/00587 ~ Complete ~54:APPLICATION OF YAK RUMEN ENDOGLUCANASE EG GENE AND CELLOBIOHYDROLASE CBH GENE IN CO-EXPRESSION OF LACTIC ACID BACTERIA ~71:Beijing General Animal Husbandry Station, A15 Anwaibeiyuan Road, Chaoyang District, Beijing, 100020, People's Republic of China;Gansu Agricultural University, No. 1, Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China;Gansu province Pingliang kongtong district animal health supervision office, No. 73, Kongtong East Road, Kongtong District, Pingliang City, Gansu Province, 744000, People's Republic of China;Institute of Biology, Gansu Academy of Sciences, 197 Dingxi South Road, Chengguan District, Lanzhou City, 730000, People's Republic of China ~72: SunKang yongjie;Wan Xuerui;Wang Chuan;Wei Yaqin;Yang Yuze;Zhang Zhao;Zou Aiai~

2023/00589 ~ Complete ~54:AN AUTOMATIC SYSTEM TO DETECT AND ALERT DANGEROUS DRIVING AREAS AND ITS METHOD THEREOF ~71:NIT Srinagar, Department of Civil Engineering, National Institute of Technology (NIT), Hazratbal, Srinagar, Jammu and Kashmir 190006, India ~72: Dr. Janani L.;Dr. Sandeep Samantaray;Dr. Vivek~

2023/00597 ~ Complete ~54:METHOD FOR PREPARATION OF HYDROGEL SHELL CORE TUBE AND APPLICATION THEREOF ~71:GUANGDONG MEDICAL UNIVERSITY, No. 1 Xincheng Blvd, Songshan Lake National High-tech Industrial Development Zone, Dongguan City, Guangdong Province, 523808, People's Republic of China ~72: CHEN, Huizhi;YANG, Guang;ZHOU, Yubin~ 33:CN ~31:202211560358.0 ~32:07/12/2022

2023/00562 ~ Complete ~54:COMPOUND AMINO ACID FERTILIZER SYNERGIST SUITABLE FOR DRIP IRRIGATION AND MICRO-SPRINKLER IRRIGATION SYSTEMS AND PREPARATION METHOD THEREFOR

~71:Dezhou Academy of Agricultural Sciences, 926 Dexing Middle Avenue, Decheng District, Dezhou City, Shandong Province, 235000, People's Republic of China ~72: DONG, Yanfang;DU, Mengyang;LI, Hongjie;LI, Zishuang;WANG, Wei;WANG, Yuxia;YUAN, Liang;ZHOU, Xiaolin~

2023/00565 ~ Complete ~54:DENDROBIUM DENNEANUM FLOWER HUANGGUOGAN TEA AND PREPARATION METHOD THEREOF ~71:Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu City, Sichuan Province, People's Republic of China ~72: CAI Chengcheng;CHEN Ji;LI Rui;LIU Chen;LIU Fan;QIU Yujie;TIAN Mengliang;WANG Xiaohui~

2023/00578 ~ Complete ~54:METHOD FOR PREPARING ICHTHYOPHTHIRIUS MULTIFILIIS BETA-TUBULIN NUCLEIC ACID VACCINE ~71:Zhejiang Normal University, 688 Yingbin Road, Jinhua, Zhejiang Province, 324401, People's Republic of China ~72: HU, Jinchun;QIN, Yuan;REN, Siqi;XIAO, Aiping;YE, Jiazheng;ZHENG, Shanjian~

2023/00584 ~ Complete ~54:TROUSERS FOR LOWER LIMB REHABILITATION OF CHILD WITH CEREBRAL PALSY ~71:Chongqing Medical and Pharmaceutical College, 82 University Town Middle Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: Feng Liu;Jing Peng;Xia Wu;Xiang Xiao;Yu Deng;Yuanhui Cheng~ 33:CN ~31:202220145098.X ~32:19/01/2022

2023/00588 ~ Complete ~54:A NAIL PLATE KIT FOR FIXING LARGE PATHOLOGICAL SPECIMENS ~71:WUXI CHILDREN'S HOSPITAL, 299-1 Qingyang Road, Wuxi City, Jiangsu Province, 214023, People's Republic of China ~72: TANG, Chengdong;TANG, Hong;ZHAO, Feifei;ZHU, Yingwei~

2023/00601 ~ Complete ~54:BIOSTIMULANT BASED ON BACTERIA FOR BETTER ADAPTATION OF PLANTS TO HYDRIC AND OSMOTIC STRESSES ~71:OCP SA, Hay Erraha, Rue Al Abtal No. 2-4, Morocco ~72: HAFIDI, Mohamed;KOUISNI, Lamfeddal;NAFIS, Ahmed;OUHDOUCH, Yedir~ 33:MA ~31:50114 ~32:22/06/2020

2023/00603 ~ Complete ~54:SYSTEMS AND METHODS OF TRANSACTION TRACKING AND ANALYSIS FOR NEAR REAL-TIME INDIVIDUALIZED CREDIT SCORING ~71:BHEKANI KHUMALO, 111 Pienna Apartments, 2 Elvin Gardens, Wembley, London, United Kingdom;DALUMUZI HAPPY MHLANGA, 10 Mahogany Avenue, Newton West, Bulawayo, Zimbabwe;NOTTO INTELLECTUAL PROPERTY HOLDINGS, 6th floor, Tower 1, Nexteracom Building, Ebene, Mauritius ~72: BHEKANI KHUMALO;DALUMUZI HAPPY MHLANGA~ 33:ZA ~31:2020/03602 ~32:17/06/2020

2023/00590 ~ Complete ~54:POWER-ASSISTED MECHANISM FOR STEER-BY-WIRE ~71:ANHUI POLYTECHNIC UNIVERSITY, Anhui Polytechnic University, 8 Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Darui LI;Gang WANG;Jiabao PAN;Jianping WANG;Jichao SUN;Jingqi MIAO;Limin HAN;Peicheng SHI;Ping XIAO;Rongyun ZHANG;Yu CHEN~ 33:CN ~31:202223288310.7 ~32:08/12/2022

2023/00595 ~ Complete ~54:A PATHOLOGICAL SPECIMEN BOTTLE ~71:WUXI SECOND PEOPLE'S HOSPITAL, No. 68 Zhongshan Road, Liangxi District, Wuxi City, Jiangsu Province, 214002, People's Republic of China ~72: TANG, Chengdong;TANG, Hong;XIE, Min;XU, Rongrong;YUAN, Huiqing;ZHAO, Feifei;ZHENG, Nanxiang;ZHU, Yingwei~

2023/00599 ~ Complete ~54:BIO-BASED PLASTICISER FOR RESINS AND BLENDS CONTAINING SAID PLASTICISER ~71:BIO BOND APS, Skovvejen 121 8000, Denmark ~72: BECHGAARD, Tobias, Kjeldsen;JENSEN, Martin;STRIDE, Camilla, Borregaard~ 33:EP ~31:EP20020330 ~32:20/07/2020

2023/00604 ~ Complete ~54:SMALL-SCALE MIXER ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: BHUPENDER BHALLA, Amardeep Singh;CHEN,

Huyun;VO, Trinh~ 33:US ~31:63/062,129 ~32:06/08/2020;33:US ~31:63/085,080 ~32:29/09/2020;33:US  
~31:63/150,540 ~32:17/02/2021

2023/00610 ~ Complete ~54:SYSTEM AND METHOD FOR CROP MONITORING ~71:Dark Horse Technologies  
Ltd, 71-75 Shelton Street, Covent Garden, LONDON WC2H 9JQ, UNITED KINGDOM, United Kingdom ~72:  
BAINBRIDGE, Jared;WHITTLE, Grant~ 33:GB ~31:2009146.8 ~32:16/06/2020;33:GB ~31:2101329.7  
~32:01/02/2021

2023/00616 ~ Complete ~54:INHIBITED OXIDISER OR INHIBITED EXPLOSIVE FOR USE IN REACTIVE  
GROUND ~71:PROACTIVE GROUND SOLUTIONS PTY LTD, 37 Competition Way, Australia ~72: ANDERSON,  
Jeffrey Richard Andrew;BODLEY, Nicholas Grant;KAKER, Marjana;MARTIN, Drew Anthony~ 33:AU  
~31:2020902091 ~32:23/06/2020

2023/00566 ~ Complete ~54:A METHOD OF POLYMER COATING MODIFICATION OF WHITE CARBON  
BLACK ~71:Nanchang Hangkong University, 696 Fenghe Nan Avenue, Nanchang City, Jiangxi Province,  
People's Republic of China ~72: HU Bin;LING Yun;SHAO Yi;WANG Yiqiao;XIE Yu~

2023/00575 ~ Complete ~54:FIXING PLATE, PROCESSING DEVICE AND METHOD FOR RECOVERABLE  
SLOPE PRESTRESSED ANCHOR CABLE ~71:China Construction Fifth Engineering Division Corp., Ltd., No.  
158, Zhongyi 1st Road, Yuhua District, Changsha, Hunan Province, 410004, People's Republic of  
China;Min Construction and Installation Engineering Group Co., Ltd., Building 37, Phase II, Zhongxing  
Industrial Park, Intersection of Hanghai East Road and Jingkai 20th Street, Zhengzhou Economic and  
Technological Development Zone, Henan Province, 450009, People's Republic of China;South China University  
of Technology, Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510635, People's Republic  
of China;The Fourth Construction Co., Ltd. of China Construction Fifth Engineering Bureau, Floor 20, Building 1,  
No. 288, Kaiyuan Avenue, Luolong District, Luoyang City, Henan Province, 471027, People's Republic of  
China;Zhengzhou Financial Island Construction and Development Group Co., Ltd., Room 102, No. 2, North Row  
1, Beilonghu Financial Island Living Area, Northeast Corner, Intersection of North Third Ring Road and Jiuru  
Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China ~72:  
FENG, Liangliang;HAN, Jiangyong;LI, Shuai;LI, Xiaowei;REN, Mengke;REN, Yaxing;SHI, Gaosheng;SONG,  
Danqing;TANG, Gaojie;WANG, Chuanfeng;WANG, Heng;WANG, Ping;WANG, Xiaoming;WU, Shuai;YANG,  
Lei;YOU, Jieyong;ZHANG, Kun;ZHOU, Guosen~

2023/00592 ~ Complete ~54:METHOD FOR ALLOCATING AND TRANSPORTING BREEDING SHEEP  
~71:Institute of Animal Husbandry and Veterinary, Jiangxi Academy of Agricultural Science, No. 602, Nanlian  
Road, Qingyunpu District, Nanchang City, Jiangxi Province, 330200, People's Republic of China ~72: Ding  
Chao;Huang Liewu;Huo Junhong;Ji Jiequan;Wang Haibo;Wu Yanping;Xu Xian;Zhan Jinshun~

2023/00598 ~ Complete ~54:SHOCK-ABSORBING STRUCTURE FOR AUTOMOBILE POWER-ASSISTED  
STEERING ~71:ANHUI POLYTECHNIC UNIVERSITY, Anhui Polytechnic University, 8 Beijing Middle Road,  
Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: Gang WANG;Jiabao  
PAN;Jianping WANG;Jichao SUN;Limin HAN;Peicheng SHI;Ping XIAO;Rongyun ZHANG;Yin GAO;Yu CHEN~  
33:CN ~31:202223289034.6 ~32:08/12/2022

2023/00606 ~ Complete ~54:METHOD FOR DISPENSING GROUND COFFEE ~71:Soci Produits Nestl S.A., Avenue Nestl, 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT  
BOUZIAD, Youcef~ 33:EP ~31:20181347.4 ~32:22/06/2020

2023/00614 ~ Complete ~54:CATIONIC LIPIDS FOR USE IN LIPID NANOPARTICLES ~71:Acuitas  
Therapeutics, Inc., 6190 Agronomy Rd., Suite #402, University of British Columbia - KETR, VANCOUVER V6T



1W5, BRITISH COLUMBIA, CANADA, Canada ~72: DU, Xinyao;GATENYO, Julia~ 33:US ~31:63/052,815  
~32:16/07/2020;33:US ~31:63/188,996 ~32:14/05/2021

2023/00561 ~ Complete ~54:UREA AMMONIUM NITRATE SOLUTION WITH SOIL CONDITIONING FUNCTION AND PREPARATION METHOD THEREOF ~71:Dezhou Academy of Agricultural Sciences, 926 Dexing Middle Avenue, Decheng District, Dezhou City, Shandong Province, 235000, People's Republic of China ~72: DONG, Yanfang;DU, Mengyang;LI, Hongjie;LI, Zishuang;WANG, Wei;WANG, Yuxia;YUAN, Liang;ZHOU, Xiaolin~

2023/00576 ~ Complete ~54:RECYCLABLE SLOPE PROTECTION FIXING DEVICE AND METHOD ~71:China Construction Fifth Engineering Division Corp., Ltd., No. 158, Zhongyi 1st Road, Yuhua District, Changsha, Hunan Province, 410004, People's Republic of China;Min Construction and Installation Engineering Group Co., Ltd., Building 37, Phase II, Zhongxing Industrial Park, Intersection of Hanghai East Road and Jingkai 20th Street, Zhengzhou Economic and Technological Development Zone, Henan Province, 450009, People's Republic of China;South China University of Technology, Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510635, People's Republic of China;The Fourth Construction Co., Ltd. of China Construction Fifth Engineering Bureau, Floor 20, Building 1, No. 288, Kaiyuan Avenue, Luolong District, Luoyang City, Henan Province, 471027, People's Republic of China;Zhengzhou Financial Island Construction and Development Group Co., Ltd., Room 102, No. 2, North Row 1, Beilonghu Financial Island Living Area, Northeast Corner, Intersection of North Third Ring Road and Jiuru Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China ~72: FENG, Liangliang;HAN, Jiangyong;LI, Shuai;LI, Xiaowei;REN, Mengke;REN, Yaxing;SHI, Gaosheng;SHU, Jinfeng;SONG, Danqing;TANG, Gaojie;WANG, Chuanfeng;WANG, Xiaoming;WU, Shuai;YANG, Lei;YOU, Jieyong;ZHANG, Kun;ZHANG, Xiaonan;ZHOU, Guosen~

2023/00581 ~ Complete ~54:AN EFFICIENT CRUSHING DEVICE FOR EXTRACTING SC ELEMENT FROM RED MUD ~71:Guizhou Institute of Technology, No.1 Caiguan Road, Yunyan District, Guiyang City, Guizhou Province, 550003, People's Republic of China ~72: Jun Sun~

2023/00585 ~ Complete ~54:FUNCTIONAL POSTPARTUM BED ~71:Chongqing Medical and Pharmaceutical College, 82 University Town Middle Road, Shapingba District, Chongqing, 401331, People's Republic of China ~72: Feng Liu;Hao Yan;Manxin Wang;Xiang Xiao;Yu Deng;Yuanhui Cheng;Yuanjuan Yang~ 33:CN ~31:202220243782.1 ~32:29/01/2022

2023/00596 ~ Complete ~54:ATP-DEPENDENT METALLOPROTEASE FTSH ~71:Institute of Applied Ecology, Chinese Academy of Sciences, 72 Wenhua Road, Shenhe District, Shenyang, Liaoning Province, 110016, Cape Verde ~72: Chen Lijun;Chen Zhenhua;Jiang Nan;Zhang Yulan~

2023/00600 ~ Complete ~54:METHODS FOR TREATING REFRACTORY HYPERCHOLESTEROLEMIA INVOLVING AN ANGPTL3 INHIBITOR ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: ALI, Shazia;PORDY, Robert, C.;SCHWEMMER GIPE, Daniel A. (Deceased)~ 33:US ~31:63/062,990 ~32:07/08/2020;33:US ~31:63/135,946 ~32:11/01/2021

2023/00602 ~ Complete ~54:SULPHONAMIDE COMPOUNDS ~71:ANAXIS PHARMA PTY LTD, 1G Royal Parade, Parkville, Victoria, 3052, Australia ~72: ANGUS COWAN;CAROLE ANNIE SCHUSTER-KLEIN;CHRISTOPHE POITEVIN;CHRISTOPHER GARDNER;GUILLAUME LAURENT LESSENE;JEAN-MARC DANIEL GARNIER;JOHN THOMAS FEUTRILL;KATHERINE DAVIES;MARTIN BRZOZOWSKI;PETER EDWARD CZABOTAR;POOJA SHARMA~ 33:AU ~31:2020902035 ~32:19/06/2020

2023/00612 ~ Complete ~54:ANTI-CTLA-4 ANTIBODY AND USE THEREOF ~71:Shanghai Junshi Biosciences Co., Ltd., Floor 13, Building 2, Nos. 36 and 58, Haiqu Road, Pilot Free Trade Zone, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China;Suzhou Junmeng Biosciences Co., Ltd., East of Changnan Road, Wujiang Economic and Technological Development Zone, SUZHOU 215002, JIANGSU, CHINA (P.R.C.), People's

Republic of China ~72: FENG, Hui;LIU, Hongchuan;PAN, Zhiwei;WU, Hai;YAO, Jian;YAO, Sheng;ZHANG, Jing;ZHOU, Yuehua~ 33:CN ~31:202010708105.8 ~32:21/07/2020

2023/00615 ~ Complete ~54:SYSTEMS AND METHODS FOR ARRAY LEVEL TERRAIN BASED BACKTRACKING ~71:FTC Solar, Inc., 11801 Domain Blvd., 3rd Floor, AUSTIN 78758, TX, USA, United States of America ~72: CHERUKUPALLI, Nagendra Srinivas;MORSE, Andrew Joseph~ 33:US ~31:16/928,679 ~32:14/07/2020;33:US ~31:17/019,806 ~32:14/09/2020

2023/00618 ~ Complete ~54:NATURAL SOLUTION LANGUAGE ~71:BRANE COGNITIVES PTE. LTD., 1 Raffles Place, Tower 2, Singapore ~72: BYRRAJU, Ramalinga Raju~ 33:IN ~31:202041033248 ~32:03/08/2020;33:IN ~31:202041042410 ~32:29/09/2020;33:IN ~31:202141028967 ~32:28/06/2021

2023/00607 ~ Complete ~54:SYSTEM FOR DISPENSING GROUND COFFEE ~71:Soci&#233;t&#233; des Produits Nestl&#233; S.A., Avenue Nestl&#233; 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT BOUZIAD, Youcef~ 33:EP ~31:20181371.4 ~32:22/06/2020

2023/00609 ~ Complete ~54:TREATMENT OF ATRIAL DYSFUNCTION ~71:MyoKardia, Inc., 1000 Sierra Point Parkway, BRISBANE 94005, CA, USA, United States of America ~72: ANDERSON, Robert Lee;DEL RIO, Carlos L.;EDELBERG, Jay M.;GANJU, Jitendra;HENZE, Marcus Patrick;KELLY, Cynthia Lyle;KURIO, Gregory Howard Takeo;SUMANDEA, Marius P.;TAMBY, Jean-Francois;YANG, Chun~ 33:US ~31:63/039,438 ~32:15/06/2020;33:US ~31:63/042,512 ~32:22/06/2020

2023/00613 ~ Complete ~54:TIGIT AND CD112R BLOCKADE ~71:Amgen Inc., One Amgen Center Drive, Law Dept-Patent Operations, Mail Stop 28-5-A, THOUSAND OAKS 91320, CA, USA, United States of America ~72: BULLIARD, Yannick;FOLTZ, Ian Nevin;KIELCZEWSKA, Agnieszka;MANCHULENKO, Kathy;MIN, Xiaoshan;MOCK, Marissa;SOHN, Sue J.~ 33:US ~31:63/052,011 ~32:15/07/2020;33:US ~31:63/212,315 ~32:18/06/2021

2023/00608 ~ Complete ~54:PROCESS FOR PREPARING METHYL {4,6-DIAMINO-2-[5-FLUORO-1-(2-FLUOROBENZYL)-1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL]PYRIMIDIN-5-YL}CARBAMATE ~71:Adverio Pharma GmbH, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: BECKER, Guido;BREMAYER, Nadine;BROCKOB, Joerg;FABER, Helene;FEY, Peter;FRENZEL, Thomas;LONGERICH, Markus;NEUMANN, Heike;SOWA, Michal~ 33:EP ~31:20180229.5 ~32:16/06/2020

2023/00617 ~ Complete ~54:RECOMBINANT POXVIRIDAE VECTOR EXPRESSING CO-STIMULATORY MOLECULES ~71:PRIME VECTOR TECHNOLOGIES GMBH, Herrenbergerstr. 24, Germany ~72: AMANN, Ralf;MUELLER, Melanie~ 33:EP ~31:20191751.5 ~32:19/08/2020

2023/00568 ~ Complete ~54:PREPARATION METHOD OF SPECIAL ORGANIC FERTILIZER FOR CIGAR FILLER LEAVES ~71:CHINA TOBACCO SICHUAN INDUSTRIAL CO.,LTD, No. 2, Longquan Section, Chenglong Avenue, National Chengdu Economic and Technological Development Zone, Longquanyi District, Chengdu, Sichuan Province, People's Republic of China;Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu City, Sichuan Province, People's Republic of China ~72: CHEN Xinjie;CHEN Yong;FAN Longlong;HU Mengran;LEI Yunkang;LIAO Decong;LIU Lei;LIU Lulu;WANG Jun;XIANG Huan;YE Keyuan;ZENG Shuhua~

2023/00577 ~ Complete ~54:SLOPE GROUTING DEVICE HAVING REVERSE STOP FUNCTION AND CONSTRUCTION METHOD ~71:China Construction Fifth Engineering Division Corp., Ltd., No. 158, Zhongyi 1st Road, Yuhua District, Changsha, Hunan Province, 410004, People's Republic of China;Min&#39;an Construction and Installation Engineering Group Co., Ltd., Building 37, Phase II, Zhongxing Industrial Park, Intersection of Hanghai East Road and Jingkai 20th Street, Zhengzhou Economic and Technological Development Zone, Henan

Province, 450009, People's Republic of China;South China University of Technology, Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510635, People's Republic of China;The Fourth Construction Co., Ltd. of China Construction Fifth Engineering Bureau, Floor 20, Building 1, No. 288, Kaiyuan Avenue, Luolong District, Luoyang City, Henan Province, 471027, People's Republic of China;Zhengzhou Financial Island Construction and Development Group Co., Ltd., Room 102, No. 2, North Row 1, Beilonghu Financial Island Living Area, Northeast Corner, Intersection of North Third Ring Road and Jiuru Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China ~72: FENG, Liangliang;HAN, Jiangyong;LI, Shuai;REN, Mengke;REN, Yaxing;SHI, Gaosheng;SHI, Pan;SONG, Danqing;TANG, Gaojie;WANG, Chuanfeng;WANG, Guoliang;WANG, Xiaoming;WU, Qunwei;WU, Shuai;YANG, Lei;YOU, Jieyong;ZHANG, Kun;ZHOU, Guosen~

2023/00563 ~ Complete ~54:METHOD FOR DETECTING ANTI-FIXATION PERFORMANCE OF WATER-SOLUBLE PHOSPHORUS IN FERTILIZER AND APPLICATION ~71:Dezhou Academy of Agricultural Sciences, 926 Dexing Middle Avenue, Decheng District, Dezhou City, Shandong Province, 235000, People's Republic of China ~72: DONG, Yanfang;DU, Mengyang;LI, Hongjie;LI, Zishuang;WANG, Wei;WANG, Yuxia;YUAN, Liang;ZHANG, Guijun;ZHOU, Xiaolin~

2023/00567 ~ Complete ~54:METHOD FOR CULTIVATING BLETILLA STRIATA ~71:Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu City, Sichuan Province, People's Republic of China ~72: CAI Chengcheng;CHEN Ji;LI Rui;LIU Chen;LIU Fan;QIU Yujie;TIAN Mengliang;WANG Xiaohui~

2023/00571 ~ Complete ~54:A RESCUE DEVICE FOR SHIP NAVIGATION ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Linchun Chen~

2023/00570 ~ Complete ~54:AUTOMATIC GAS-CONTROLLING AND TEMPERATURE-REGULATING SAFETY FISH HOLD ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Wenhua Miao;Zhouna Wang~

2023/00559 ~ Provisional ~54:DRILL RIGS ~71:VAN HEERDEN, Willem Frederik, 47 18th Street, Menlo Park, Pretoria 0081, Gauteng, SOUTH AFRICA, South Africa ~72: VAN HEERDEN, Willem Frederik~

2023/00573 ~ Complete ~54:JUDGMENT METHOD OF ALTERNATING CURRENT FLASHOVER DISCHARGE OF ICING INSULATORS ~71:Tianjin University, No. 92, Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China ~72: GAO, Qun;LI, Qiran;LIU, Yong;WANG, Minxin;WANG, Zhihui;XIN, Yuepeng;ZONG, Hongbao~

2023/00569 ~ Complete ~54:METHOD FOR IMPROVING THE GERMINATION RATE AND SEEDLING QUALITY OF RHODOLEIA CHAMPIONII SEEDS ~71:Dexing RongXing Gardening Construction Co., Ltd., No. 3, Yinshan West Road, Yincheng Town, Dexing City, Shangrao City, Jiangxi Province, People's Republic of China;Jiangxi Agricultural University, No. 1101, Zhimin Avenue, Economic & Technological Development Zone, Nanchang City, Jiangxi Province, People's Republic of China ~72: CAI Tongxiang;LI Shuang;LI Ziyue;WU Yawen;YAN Zhuojia;YUAN Siqi;ZHOU Weirong;ZOU Na~

2023/00574 ~ Complete ~54:CORN BREEDING PLOT HILL-DROP PLANTER ~71:Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences, No. 269, Anqing Street, Dongfeng District, Jiamusi, Heilongjiang Province, 154000, People's Republic of China ~72: DING, Junjie;DONG, Xingyue;DU, Xiaodong;GAO, Li;GAO, Xuedong;GU, Qing;HAN, Yehui;HAO, Yubo;HE, Chang;HU, Shaoxin;HUANG, Xinyu;JI, Chunxue;JIANG, Baifu;JIN, Xiaochun;JIN, Zhenguo;LI, Donglin;LI, Rulai;LI, Tingfeng;NIU, Zhonglin;PANG, Haiyun;QIU, Lei;SHAN, Dapeng;SUN, Yinhui;WANG, Hongwu;WANG, Junqiang;WANG, Nannan;WANG, Qingsheng;WU, Lili;YANG, Xiaohe;YAO, Liangliang;ZHANG, Maoming;ZHANG, Qifeng;ZHU, Baoguo~

2023/00580 ~ Complete ~54:A LIFTING DEVICE FOR THE RESCUE WORK OF LIFEBOAT ON OFFSHORE HOISTING PLATFORM ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Huijun Liu;Qilei Yang;Xiaoping He~

2023/00582 ~ Complete ~54:AN EFFICIENT EXTRACTION METHOD FOR EXTRACTING SC ELEMENTS ~71:Guizhou Institute of Technology, No.1 Caiguan Road, Yunyan District, Guiyang City, Guizhou Province, 550003, People's Republic of China ~72: Jun Sun~

2023/00586 ~ Complete ~54:A PRESCRIPTION FOR TREATING INTESTINAL CANCER ~71:Guofu Guan, Building C, Precious Jade Garden, Lei Meng Kok, No. 186, Dock Street, Macao, People's Republic of China;Lican Yao, Room 901, 11th Floor, Building 2, Xiandai Huayuan Type D, No. 9, Haide Road, Longhua Dist., Haikou, Hainan, People's Republic of China;Ran Yao, Room 702, Building 5, No. 338, Qianshan Yixian Road, Xiangzhou Dist., Zhuhai, Guangdong, People's Republic of China ~72: Guofu Guan;Lican Yao;Ran Yao~

2023/00591 ~ Complete ~54:APPLICATION OF A YAK RUMEN MICROORGANISM B-GLUCOSIDASE BGL GENE IN THE EXPRESSION OF LACTIC ACID BACTERIA ~71:Beijing General Animal Husbandry Station, A15 Anwaibeiyuan Road, Chaoyang District, Beijing,China,Zip:100020, People's Republic of China;Gansu Agricultural University, No. 1, Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China;Institute of Biology, Gansu Academy of Sciences, 197 Dingxi South Road, Chengguan District, Lanzhou City, 730000, People's Republic of China ~72: Ma Chunjuan;SunKang yongjie;Wan Xuerui;Wang Chuan;Wei Yaqin;Yang Yuze;Zhang Zhao~

2023/00593 ~ Complete ~54:DETECTING CLAMP FOR BIG GEAR ~71:Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No. 149, Science Avenue, High-tech Industrial Development Zone, Zhengzhou, Henan Province, 450052, People's Republic of China ~72: Dou Xiaopeng;Lv Pangong;Ma Chengtian;Wang Dongfei~

2023/00594 ~ Complete ~54:UNIVERSAL DOUBLE CIRCULAR ARC GEAR PROCESSING DEVICE ~71:Zhengzhou Research Institute of Mechanical Engineering Co., Ltd., No. 149, Science Avenue, High-tech Industrial Development Zone, Zhengzhou, Henan Province, 450052, People's Republic of China ~72: Huang Hongtao;Li zhisheng;Wang Feng;Xu Wenbo;Yang Shufeng;Yu Wentao~

2023/00605 ~ Complete ~54:APPARATUS FOR VAPOURISING A LIQUID FOR SUPPLY TO AN ENVIRONMENT ~71:GREENBEAN TECHNICAL LIMITED, 1030 Heeley Close, Kent Science Park, United Kingdom ~72: HARRISON, Robert;MAY, James;TAYLOR, Sarah~ 33:GB ~31:2010067.3 ~32:01/07/2020

2023/00611 ~ Complete ~54:SARS-COV-2 IMMUNOGENIC COMPOSITIONS, VACCINES, AND METHODS ~71:Institut Pasteur, 25-28, rue du Docteur Roux, PARIS CEDEX 15 75724, FRANCE, France;Theravectys, B&#226;timent Pasteur Biotop, 28 rue du Docteur Roux, PARIS CEDEX 15 75724, FRANCE, France ~72: AUTHIE, Pierre;BOURGINE, Maryline;CHARNEAU, Pierre;ESCRIOU, Nicolas;KU, Min-Wen;MAJLESSI, Laleh~ 33:US ~31:63/052,264 ~32:15/07/2020;33:US ~31:63/130,202 ~32:23/12/2020;33:IB ~31:2021/000293 ~32:02/02/2021

- APPLIED ON 2023/01/16 -

2023/00621 ~ Complete ~54:METHOD FOR INCREASING CONTENT OF MELATONIN IN COW MILK ~71:Xinjiang Agricultural University, No. 311, Nongda East Road, Saybagh District, Urumqi City, Xinjiang, 830000, People's Republic of China ~72: CHEN, Kaixu;LI, Fengming;LI, Xiaobin;YANG, Kailun;YIMAMU, Mireguli;ZANG, Changjiang;ZENG, Fuxiang~

2023/00654 ~ Complete ~54:A METHOD FOR DEVELOPING STARCH MICROSPHERE LOADED WITH ACECLOFENAC ~71:Arman Dalal, B. Pharm, M. Pharm, Haryana, India;Darla Raju, Assistant Professor, Department Of Pharmacognosy and Phytochemistry, Joginpally, B R Pharmacy College, Yenkepally, Moinabad, Rangareddy, Telangana, 500075, India;Dr. Kuntal Das, Professor, Dept. of Pharmacognosy, Nitte College of Pharmaceutical Sciences, NMIT Campus, Yelahanka, Bangalore, Karnataka, 560064, India;Dr. Nilesh Kumar, Principal, Praduman Singh Shikshan Prashikshan, Sansthan Pharmacy College, Sansapur, Futahiya, Basti, Uttar Pradesh, 272001, India;Dr. Rahul Shivajirao Solunke, Principal, Godavari Institute of Pharmacy, Latur- Nanded Highway, Kolpa, Latur, Dist: Latur, Maharashtra, 413512, India;Dr. Rinku Mathappan, Professor & HOD, Department of Pharmacognosy, Green city College of Pharmacy, Sathnoor, Bagalur Main Rd, Bengaluru, Karnataka, 562149, India;Kameswara Rao Sankula, Associate Professor, Nirmala College of Pharmacy, NH-16 Service Road, Atmakur village, Mangalagiri Mandal, Guntur District, Andhra Pradesh, 522503, India;Mohammad Muztaba, Associate Professor (Jr.), Praduman Singh Shikshan Prashikshan Sansthan Pharmacy College, Sansarpur, Phutahiya, Basti, Uttar Pradesh, 272001, India;PAVAN KUMAR KROSURI, Associate Professor, Department of Pharmaceutics, Santhiram College of Pharmacy, Nerawada, N H40, Nandyal, Andhrapradesh, 518112, India;Raj Kumar Tiwari, Asst.Professor, Dr.KN Modi Institute of Pharmaceutical Education and Research, Old cloth Mill compound, Modinagar Ghaziabad, U.P., India ~72: Arman Dalal;Darla Raju;Dr. Kuntal Das;Dr. Nilesh Kumar;Dr. Rahul Shivajirao Solunke;Dr. Rinku Mathappan;Kameswara Rao Sankula;Mohammad Muztaba;PAVAN KUMAR KROSURI;Raj Kumar Tiwari~

2023/00782 ~ Provisional ~54:PROTECTIVE DEVICE DEPLOYING SYSTEM, STABILIZATION AND PROTECTIVE SYSTEM, THERMAL SYSTEMS, LOCKING SYSTEM, A GEAR, DELIVERY SYSTEM AND MARINE SETTLEMENTS ~71:Mike Junior McKerson, 7 Quibeba, Arboretum, South Africa ~72: Mike Junior McKerson~

2023/00649 ~ Complete ~54:INTEGRATED BIOMASS TREATMENT EQUIPMENT ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, People's Republic of China ~72: GU, Deming;HAN, Shuaiqi;HAO, Xueru;HE, Yali;LI, Songya;WANG, Linpei;WU, Zekun;YAN, Xiaole;ZHANG, Yan;ZHOU, Jingbo~

2023/00655 ~ Complete ~54:A SYSTEM AND A METHOD FOR TREATMENT OF LANDFILL LEACHATE ~71:Adishkumar Somanathan, Department of Civil Engineering Anna University, Regional Campus, Tirunelveli, India;Christiarani Jegadeesan, Department of Civil Engineering Anna University, Regional Campus, Tirunelveli, India;Rajesh Banu Jeyakumar, Department of Life Sciences, Central University of TamilNadu, Tiruvarur, India;V.Godvin Sharmila, Department of Civil Engineering Rohini College of Engineering and Technology, Kanayakumari, India ~72: Adishkumar Somanathan;Christiarani Jegadeesan;Rajesh Banu Jeyakumar;V.Godvin Sharmila~

2023/00658 ~ Complete ~54:METHOD FOR ONE-STEP DIRECT PREPARATION OF 3-ACYL IMIDAZO[1,5-A]PYRIDINE THROUGH DOUBLE AMINATION OF [4+1] KETOMETHYL ~71:Anhui Science and Technology University, Donghua Road, Fengyang County, Chuzhou, People's Republic of China ~72: 刘皖湘 LIU Wanxiang;姚亦丹 YAO Yidan;姚侠 YAO Xia;戴刚强 DAI Gangqiang;方鑫 FANG Xin;朱贇 ZHU Yun;王强 WANG Qiang;缪成贵 MIAO Chenggui;赵佩岚 ZHAO Peilan;赵王燕 ZHAO Wangyan~ 33:CN ~31:202111519224.X ~32:14/12/2021

2023/00661 ~ Complete ~54:COAL-WATER SLURRY CONCENTRATION DEVICE ~71:Anhui University of Science and Technology, No.168 Taifeng street, Huainan City, Anhui Province, People's Republic of China ~72: CHEN Fangwu;LI Hanxu;WANG Changji;WEN Tianlong;ZHANG Jiantang;ZHU Yuanyuan~ 33:CN ~31:2022109943960 ~32:18/08/2022

2023/00619 ~ Provisional ~54:YONGA-BLOCK (OR SEMI-INTERLOCKING BLOCK) ~71:Somelezo Matutu, P.O Box 34, South Africa ~72: Somelezo Matutu~

2023/00626 ~ Complete ~54:ALL-PLASTIC LIGHTWEIGHT CAR HEADLIGHT BRACKET ~71:Zhengzhou University of Aeronautics, No. 2, University Middle Road, Erqi District, Zhengzhou City, Henan Province, 450015, People's Republic of China ~72: FENG, Desheng;REN, Yumei~

2023/00630 ~ Complete ~54:A FINITE TIME AUTONOMOUS DOCKING TRAJECTORY TRACKING CONTROL METHOD FOR UNDERWATER VEHICLES ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Chao Xu;Siyuan Zhu;Wenliang Wang;Xunwen Liu~

2023/00642 ~ Complete ~54:COMPOSITE MODIFICATION METHOD OF DURABLE HIGH LIQUID LIMIT SOIL SUBGRADE FILLER ~71:FUZHOU UNIVERSITY, No. 2, Xueyuan Road, University City, Shangjie Town, Minhou County, Fuzhou City, Fujian Province, 350116, People's Republic of China ~72: CAI, Songlin;GONG, Fangze;LI, Yanlong;QUE, Yun;SUN, Tao;ZHAN, Xiaojun~

2023/00663 ~ Complete ~54:PLC-CONTROLLED EMULSIFICATION DEVICE FOR EMULSIFIED EXPLOSIVE TEST AND ITS WORKING METHOD ~71:Anhui Leiming Chemical Co., Ltd., West District, No. 148, Dongshan Road, Duji District, Huaibei City, People's Republic of China;China University of Mining and Technology, No. 1, Daxue Road, Xuzhou City, People's Republic of China ~72: Cao Xiaolong;Li Zhiguo;Liang Hanliang;Luo Ning;Mou Gongyu;Sun Rui;Tian Yu;Wang Yuchao;Zhai Cheng;Zheng Ronghua~ 33:CN ~31:CN202110792902.3 ~32:14/07/2021

2023/00670 ~ Complete ~54:SOIL ANALYSIS METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00683 ~ Complete ~54:SILK-HYALURONIC ACID COMPOSITIONS FOR TISSUE FILLING, TISSUE SPACING, AND TISSUE BULKING ~71:EVOLVED BY NATURE, INC., 196 Boston Avenue, Medford, Massachusetts 02155, United States of America ~72: CARLOS J BOSQUES;ERLEI JIN;GREGORY H ALTMAN;JASON FORTIER;PATRICK YACONO;PENG XU~ 33:US ~31:63/041,581 ~32:19/06/2020;33:US ~31:63/041,616 ~32:19/06/2020;33:US ~31:63/041,678 ~32:19/06/2020

2023/00689 ~ Complete ~54:METHODS FOR ENCAPSULATING POLYNUCLEOTIDES INTO REDUCED SIZES OF LIPID NANOPARTICLES AND NOVEL FORMULATION THEREOF ~71:Generation Bio Co., 301 Binney Street, 4th Floor, CAMBRIDGE 02142, MA, USA, United States of America ~72: FEINSTEIN, Gregory;GALLAGHER, Nolan;STANTON, Matthew G.~ 33:US ~31:63/053,274 ~32:17/07/2020;33:US ~31:63/194,620 ~32:28/05/2021

2023/00627 ~ Complete ~54:A PRESCRIPTION FOR TREATING GASTRIC CANCER ~71:Guofu Guan, Building C, Precious Jade Garden, Lei Meng Kok, No. 186, Dock Street, Macao, People's Republic of China;Lican Yao, Room 901, 11th Floor, Building 2, Xiandai Huayuan Type D, No. 9, Haide Road, Longhua Dist., Haikou, Hainan, People's Republic of China;Ran Yao, Room 702, Building 5, No. 338, Qianshan Yixian Road, Xiangzhou Dist., Zhuhai, Guangdong, People's Republic of China ~72: Guofu Guan;Lican Yao;Ran Yao~

2023/00634 ~ Complete ~54:DEVICE AND METHOD FOR DETECTING STRENGTH OF COAL GANGUE CONCRETE ~71:China Coal Technology and Engineering Group Shenyang Research Institute, No.11 Binhe Road, Shenfu Demonstration Zone, Shenyang City, Liaoning Province, People's Republic of China;LIAONING

TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China; Liaoning Non-ferrous Geological Exploration and Research Institute Co., Ltd., No.7 North Youth Street, Shenhe District, Shenyang City, Liaoning Province, People's Republic of China ~72: LI Runzhi; LIU Qiang; TAN Zhen; WANG Beifang; WU Pengfei~

2023/00637 ~ Complete ~54:METHOD FOR MEASURING SOLUTION CONCENTRATION OF PETROLEUM ETHER EXTRACT OF FLUE-CURED TOBACCO LEAVES ~71:Sichuan Agricultural University, No. 211, Huimin Road, Wenjiang District, Chengdu City, Sichuan Province, People's Republic of China ~72: CHEN Chuxuan; LIU Lei; LUO Ting; WANG Xiao; ZHANG Yingxin~

2023/00641 ~ Complete ~54:PRESCRIPTION FOR TREATING LUNG CANCER ~71:Guofu Guan, Building C, Precious Jade Garden, Lei Meng Kok, No. 186, Dock Street, Macao, People's Republic of China; Lican Yao, Room 901, 11th Floor, Building 2, Xiandai Huayuan Type D, No. 9, Haide Road, Longhua Dist., Haikou, Hainan, People's Republic of China; Ran Yao, Room 702, Building 5, No. 338, Qianshan Yixian Road, Xiangzhou Dist., Zhuhai, Guangdong, People's Republic of China ~72: Guofu Guan; Lican Yao; Ran Yao~

2023/00646 ~ Complete ~54:POLYURETHANE PACKAGING MATERIAL FILM AND ITS PREPARATION METHOD ~71:Tianjin University of Science and Technology, No. 1038, Dagou South Road, Hexi District, Tianjin, People's Republic of China ~72: JIANG Guichang; WANG Xuhui; ZONG Yuhao~

2023/00653 ~ Complete ~54:A MANAGEMENT METHOD FOR IMPROVING QUALITY OF BLUEBERRY FRUITS ~71:GUIZHOU BOTANICAL GARDEN, No. 86 Luchongguan Road, Yunyan District, Guiyang, Guizhou Province, 550000, People's Republic of China ~72: CHONG, Huiying; FANG, Pinwu; LI, Yun; LIAO, Youjiang; NIE, Fei; WEN, Guangqin; WEN, Guangzhong; ZHAO, Liangqing; ZHOU, Ying~

2023/00657 ~ Complete ~54:METAL POWDER MANUFACTURING DEVICE FOR IMPROVING QUALITY OF INTELLIGENTLY MANUFACTURED METAL POWDERS ~71:ANHUI JINYI NEW MATERIALS CORP. LTD, No.8, East Ring Road, Tongcheng Economic Development Zone, Anqing City, Anhui Province, 231400, People's Republic of China ~72: DAI, Zeyu~ 33:CN ~31:CN202211591953.0 ~32:12/12/2022

2023/00665 ~ Complete ~54:SOIL ANALYSIS METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel; PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020; 33:US ~31:63/052,334 ~32:15/07/2020; 33:US ~31:63/052,341 ~32:15/07/2020; 33:US ~31:63/052,345 ~32:15/07/2020; 33:US ~31:63/052,356 ~32:15/07/2020; 33:US ~31:63/052,395 ~32:15/07/2020

2023/00675 ~ Complete ~54:METHOD FOR TREATING A GD2-POSITIVE CANCER ~71:EUSA PHARMA (UK) LIMITED, Breakspear Park, Breakspear Way, United Kingdom ~72: LADENSTEIN, Ruth; LODE, Holger Nikolaus~ 33:EP ~31:20305766.6 ~32:06/07/2020

2023/00622 ~ Complete ~54:METHOD FOR PREPARING ARYL AMIDE COMPOUND THROUGH CARBONYLATION OF ARYL TERTIARY AMINE CATALYZED BY METAL-FREE CATALYTIC SYSTEM ~71:Suzhou University, Suzhou University, Suzhou Education Park, Anhui Province, 234000, People's Republic of China ~72: SHI, Hongwei; SUN, Shu; XIE, Yong; ZHANG, Dejin~

2023/00624 ~ Complete ~54:SYSTEM FOR AGENT-BASED SELF-ORGANIZING CONTROL OF ORBITAL ROBOT ~71:Yantai University, 30 Qingquan Road, Laishan District, Yantai, Shandong Province, 264005, People's Republic of China ~72: QI, Yongbo; SUN, Hongbo~

2023/00625 ~ Complete ~54:A SPECIFIED PERFORMANCE TRAJECTORY TRACKING CONTROL METHOD FOR THREE-DIMENSIONAL AUTONOMOUS DOCKING OF UNDERWATER VEHICLES ~71:Zhejiang

International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Chao Xu;Jie Zhou;Wenliang Wang;Xunwen Liu~

2023/00680 ~ Complete ~54:SYSTEMS AND METHODS FOR TREATING A WASTEWATER STREAM ~71:UNIVERSITY OF SOUTH FLORIDA, 3802 Spectrum Blvd., Suite 100, Tampa, Florida 33612-9220, United States of America ~72: AHMET ERKAN UMAN;DANIEL H YEH;ROBERT ALONSO BAIR~ 33:US ~31:62/705,416 ~32:25/06/2020

2023/00685 ~ Complete ~54:ACALABRUTINIB MALEATE DOSAGE FORMS ~71:Acerta Pharma B.V., Kloosterstraat 9, OSS 5349 AB, THE NETHERLANDS, Netherlands ~72: BETHEL, Paul;BLYTH, John;COSGROVE, Steve;GOLDEN, Michael;MANN, James;PEPIN, Xavier Jacques Henri;ROBBINS, Andrew;SIMPSON, David~ 33:US ~31:63/041,197 ~32:19/06/2020

2023/00688 ~ Complete ~54:ACTIVIN A ANTIBODY FORMULATIONS AND METHODS OF USE THEREOF ~71:Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Rd., TARRYTOWN 10591, NY, USA, United States of America ~72: GRAHAM, Kenneth;KAMEN, Douglas~ 33:US ~31:63/040,589 ~32:18/06/2020

2023/00662 ~ Complete ~54:LUMINESCENT DIAMOND ~71:SCHLUMBERGER TECHNOLOGY B.V., Parkstraat 83, Netherlands ~72: BAO, Yahua;BELNAP, J. Daniel~ 33:US ~31:63/051,708 ~32:14/07/2020

2023/00666 ~ Complete ~54:SOIL ANALYSIS COMPOSITIONS AND METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00671 ~ Complete ~54:SOIL ANALYSIS COMPOSITIONS AND METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00677 ~ Complete ~54:FUEL THEFT DETECTION METHOD AND FUEL THEFT DETECTION DEVICE ~71:YAZAKI CORPORATION, 4-28, Mita 1-chome, Minato-ku, Tokyo, 1088333, Japan ~72: AKITOMO TANAKA;DAISUKE TAKANOHASHI;NAOKO INOUE;TOMOHIRO MASUDA~ 33:JP ~31:2020-138739 ~32:19/08/2020

2023/00681 ~ Complete ~54:TREATMENT DEVICE FOR SLUDGE ~71:CHINA HARBOUR ENGINEERING COMPANY LTD., No. 9, Chunxiu Road, Dongcheng District, Beijing, 100027, People's Republic of China ~72: JUNBIAO HE~ 33:CN ~31:2022109049268 ~32:29/07/2022

2023/00682 ~ Complete ~54:IRRITATION MITIGATING SURFACTANTS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CRAIG JONATHON FAIRGRIEVE;DAVID STEPHEN GRAINGER;JANE WHITTAKER~ 33:EP ~31:20184318.2 ~32:06/07/2020

2023/00686 ~ Complete ~54:MATERIALS AND METHODS FOR THE MANUFACTURE OF PLURIPOTENT STEM CELLS ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: GANESAN, Rajkumar;GREWAL, Iqbal S.;SINGH, Sanjaya~ 33:US ~31:63/040,373 ~32:17/06/2020;33:US ~31:63/040,374 ~32:17/06/2020;33:US ~31:63/040,392 ~32:17/06/2020;33:US ~31:63/040,397 ~32:17/06/2020;33:US ~31:63/040,398 ~32:17/06/2020



2023/00629 ~ Complete ~54:METHOD FOR DETECTING MICRO-TRACE ORGANOPHOSPHORUS PESTICIDE ~71:GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE, Xueyuan Road, Qixingguan District, Bijie City, People's Republic of China ~72: Xia zhi;Zhang yu~

2023/00648 ~ Complete ~54:TECHNOLOGY FOR EXTRACTING DNA OF LONG-SOAKED BEETLE LARVAE ~71:NINGXIA TECHNICAL COLLEGE OF WINE AND DESERTIFICATION PREVENTION, NINGXIA VOCATIONAL AND TECHNICAL COLLEGE OF WINE AND DESERTIFICATION CONTROL, People's Republic of China ~72: GAO, Xuehua;TANG, Xuefeng;WANG, Dongping;WEI, Jili;ZHANG, Xia;ZHANG, Xiaodon~

2023/00660 ~ Complete ~54:POWER DISTRIBUTION METHOD FOR PHOTOVOLTAIC POWER STORAGE STATION GROUP TO PARTICIPATE IN POWER GRID STABILITY CONTROL ~71:CHINA JILIANG UNIVERSITY, 258 Xueyuan Street, Xiasha Higher Education Park, Hangzhou, Zhejiang, 310018, People's Republic of China;ELECTRIC POWER RESEARCH INSTITUTE OF STATE GRID XINJIANG ELECTRIC POWER CO., LTD, 200 Hengda Street, Changchun Middle Road, Xinshi District (High-tech Zone), Urumqi, Xinjiang, 830011, People's Republic of China ~72: CHEN, Jun;DUAN, Qingxi;GAO, Xing;LOU, Chaoyan;MA, Jian;NAN, Dongliang;PENG, Yinzhang;TAN, Jinlong;TANG, Junyi;ZHANG, Jing;ZHANG, Lu;ZHANG, Pengyue;ZHAO, Qi;ZHU, Zimin~ 33:CN ~31:202210245803.8 ~32:14/03/2022

2023/00674 ~ Complete ~54:SOIL ANALYSIS COMPOSITIONS AND METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00623 ~ Complete ~54:DUSTFALL SPRAYING ATOMIZATION DEVICE FOR ENVIRONMENTAL ENGINEERING ~71:XUZHOU COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: SU Xiaoli;ZHANG Ling~

2023/00632 ~ Complete ~54:PRACTICAL METHOD FOR MEASURING HABITAT CONNECTIVITY BY INTEGRATING LANDSCAPE FRAGMENTATION ~71:Chinese Academy of Surveying and Mapping, No.28, Lianhuachi West Road, Haidian District, Beijing, 100830, People's Republic of China ~72: HOU, Wei;LIU, Jia;QIAO, Qinghua;SANG, Huiyong;ZHAI, Liang;ZHANG, Ying~

2023/00636 ~ Complete ~54:OBSTACLE AVOIDANCE DEVICE OF CENTRIFUGAL THROWING SNOW CLEANING VEHICLE ~71:Dalian Jiaotong University, No.794 Huanghe Road, Shahekou District, Dalian City, Liaoning Province, People's Republic of China ~72: YANG Liang~

2023/00651 ~ Complete ~54:A METHOD OF MANUFACTURING A STATOR FOR A SLOTLESS ELECTRIC MOTOR ~71:ETA Green Power Limited, Hethel Engineering Centre, Chapman Way, HETHEL NR14 8FB, UNITED KINGDOM, United Kingdom ~72: BOWMAN, Liam;COLLINGS, Henry~ 33:GB ~31:2200661.3 ~32:19/01/2022

2023/00664 ~ Complete ~54:NOVEL MEANS TO PREDICT AND MANIPULATE NMDA RECEPTOR-MEDIATED TOXICITY ~71:FUNDAMENTAL PHARMA GMBH, Johann-Fischer-Strasse 2, Germany ~72: Jing YAN;Prof. Hilmar BADING~ 33:EP ~31:20190722.7 ~32:12/08/2020

2023/00676 ~ Complete ~54:A MEDIA PLAYER ~71:PLAYRCART LIMITED, The Rutherford, United Kingdom ~72: DORMIEUX, Glen;MASON, Richard~ 33:US ~31:63/053,061 ~32:17/07/2020

2023/00679 ~ Complete ~54:SELF-CLEANING HOMOGENEOUS MIXER-BLEEDER SYSTEM CONSISTING OF A SET OF SCREENS AND A BLEED MANIFOLD ~71:TALLERES RUIZ S.A., La Nevera 3. Pol. La Portalada II

26006 Logroño, Spain ~72: DANIEL NIÑO; MARTÍN; EDUARDO MARTÍN; NEZ CÉSAR; MARA; EMILIO JIMÉNEZ; MACAS; JUAN CARLOS SÉNZ; ENZ-D; EZ MURO; JULIO BLANCO FERNÁNDEZ; M. MERCEDES PÉREZ DE LA PARTE; ROBERTO RUIZ CABEZA; SERGIO MAMOLAR DOMENECH~

2023/00639 ~ Complete ~54: AMORPHOUS MOO<sub>3</sub>-X NANODOTS/TWO-DIMENSIONAL G-C<sub>3</sub>N<sub>4</sub> NANOSHEETS WITH BOTH PHOTOCATALYTIC AND PHOTOTHERMAL CONVERSION PROPERTIES AND PREPARATION METHOD THEREOF ~71: Zhengzhou University of Aeronautics, No.2, University Middle Road, Erqi District, Zhengzhou City, Henan Province, 450015, People's Republic of China ~72: FENG, Desheng; GUO, Xiaoqin; REN Yumei; XU, Dongwei; YAN, Zhiming; YANG, Run; ZHANG, Zixuan; ZHENG, Yanjun ~

2023/00645 ~ Complete ~54: AN OCULAR EYESTRAIN-RELIEVED SYSTEM ~71: Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Kai Yan; Ling Ma; Shihong Jia; Wei Wu; Yi Liu; Yingying Li; Yuanyuan Li; Zhongxiu Gu~

2023/00652 ~ Complete ~54: A DEvised SINGLE-SNAPSHOT DIRECTION-OF-ARRIVAL SYSTEM FOR A UNIFORM CIRCULAR ARRAY TO RESOLVE MULTIPLE TARGETS ~71: Amit Kumar Tiwari, United Institute Of Technology, Prayagraj, Uttar Pradesh, India; Ana Beatriz Martínez Valencia, Professor, Universidad Michoacana de San Nicolás de Hidalgo, Mexico; Bargor Nagaraj Umesh, Dr. Ambedkar Institute of Technology, Nagarbhavi, Bangalore, India; Kamal Bunkar, Institute of Computer Science, Vikram University, Ujjain, Madhya Pradesh, India; Kavya Shivashankar, Dept. of E&CE, Dr. Ambedkar Institute of Technology, Nagarbhavi, Bangalore, India; Miguel Villagmez Galindo, Universidad Michoacana de San Nicolás de Hidalgo, Mexico; Rajat Gupta, Research Scholar, Career Point University, Kota, Rajasthan, India; Shwetha Mahadev, Dept. of E&CE, Dr. Ambedkar Institute of Technology, Nagarbhavi, Bangalore, India; Veerendra Dakulagi, Dept. of E&CE, Guru Nanak Dev Engineering College, Bidar, Karnataka, India; Vikas Soni, Principal, Modi Institute of Technology, Kota, Rajasthan, India ~72: Amit Kumar Tiwari; Ana Beatriz Martínez Valencia; Bargor Nagaraj Umesh; Kamal Bunkar; Kavya Shivashankar; Miguel Villagmez Galindo; Rajat Gupta; Shwetha Mahadev; Veerendra Dakulagi; Vikas Soni~

2023/00656 ~ Complete ~54: DEVICE AND METHOD FOR PRODUCING METALLIC GLASS NANOPOROUS STRUCTURE ~71: Jiangsu Tie Mao Glass Co., Ltd, NO.128 Changjiang W RD, Hai'an, Jiangsu, 226600, People's Republic of China ~72: BENHUA WU; GUOZHONG GAO; HOUCHEng YUAN; QIANYING WU~

2023/00669 ~ Complete ~54: SOIL ANALYSIS COMPOSITIONS AND METHODS ~71: PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel; PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020; 33:US ~31:63/052,334 ~32:15/07/2020; 33:US ~31:63/052,341 ~32:15/07/2020; 33:US ~31:63/052,345 ~32:15/07/2020; 33:US ~31:63/052,356 ~32:15/07/2020; 33:US ~31:63/052,395 ~32:15/07/2020

2023/00690 ~ Complete ~54: A RICH MEDIA ENVIRONMENT ~71: PLAYRCART LIMITED, The Rutherford, United Kingdom ~72: DORMIEUX, Glen; MASON, Richard~ 33:US ~31:63/053,061 ~32:17/07/2020; 33:US ~31:63/162,394 ~32:17/03/2021

2023/00620 ~ Complete ~54: INVERSION METHOD, SYSTEM, DEVICE AND MEDIUM OF SHALLOW SEA BOTTOM GEOACOUSTIC PARAMETER BASED ON VERY LOW FREQUENCY UNDERWATER-EARTH ACOUSTIC MODE INTERFERENCE ~71: Harbin Engineering University, No. 145, Nantong Street, Nangang District, Harbin City, Heilongjiang Province, 150000, People's Republic of China ~72: DONG, Yang; FU,

Jinshan;GONG, Lijia;GUO, Junyuan;PIAO, Shengchun;WANG, Xiaohan;ZHANG, Haigang;ZHANG, Minghui;ZHENG, Guangxue~

2023/00628 ~ Complete ~54:PREPARATION METHOD FOR GRAPHDIYNE OXIDE AS THE IMPROVER FOR SIMULTANEOUS ELECTROCHEMICAL DETECTION OF PHENOLIC COMPOUNDS ~71:GUIZHOU UNIVERSITY OF ENGINEERING SCIENCE, Xueyuan Road, Qixingguan District, Bijie City, People's Republic of China ~72: Xia zhi;Zhang yu~

2023/00631 ~ Complete ~54:A SPECIFIED PERFORMANCE AUTONOMOUS DOCKING TRAJECTORY TRACKING CONTROL METHOD FOR UNDERWATER VEHICLES ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Chao Xu;Weihong Huang;Wenliang Wang;Xunwen Liu~

2023/00633 ~ Complete ~54:METHOD AND SYSTEM FOR TRAFFIC MONITORING AND ACCIDENT EMERGENCY PROCESSING ~71:Kunming University of Science and Technology, No. 727, Jingming South Road, Chenggong District, Kunming, Yunnan Province, 650500, People's Republic of China ~72: KUANG, Bo;an;ZHANG, Zhibin~

2023/00635 ~ Complete ~54:PREPARATION METHOD OF BREAD WITH LOW AUXILIARY MATERIALS ~71:Heilongjiang Bayi Agricultural University, No. 5, Xinfeng Road, Gaoxin District, Daqing City, Heilongjiang Province, People's Republic of China ~72: BAO Guofeng;JIA Pengyu;JIANG Xiujie;LI Chaoyang;LI Hongfei;LI Liangyu;LING Yang;TANG Huacheng;WANG Weihao;ZHANG Guifang~

2023/00638 ~ Complete ~54:LIGHTWEIGHT DUPLICATES-REMOVING CRYPTOGRAPH INTEGRITY AUDIT METHOD AND SYSTEM ~71:Jinan University, No. 601, Huangpu Avenue West, Tianhe District, Guangzhou, Guangdong, People's Republic of China ~72: GUO Zifan;JIANG Changkun;PEI Fuqing;TONG Yao;WENG Jian;YANG Anjia~

2023/00643 ~ Complete ~54:SKIN PREPARATION EQUIPMENT FOR NEUROSURGERY ~71:AFFILIATED HOSPITAL OF WEIFANG MEDICAL UNIVERSITY, No. 2428, Yuhe Road, Kuiwen District, Weifang City, Shandong Province, People's Republic of China ~72: LIU Hong;WANG Fei;XUE Yan~

2023/00647 ~ Complete ~54:WEDGE SLOPE PROTECTION GRASS-PLANTING BRICK AND MANUFACTURING MOLD THEREOF ~71:INSTITUTE OF WATER RESOURCES FOR PASTORAL AREA, MWR, NO. 128, UNIVERSITY EAST STREET, People's Republic of China ~72: GAO, Tianming;GUO, Jianying;LIU, Jing;LIU, Yanping;SHAN, Dan;TANG, Guodong;XING, Ende;YANG, Zhenqi;ZHANG, Ruiqiang;ZHANG, Tiegang;ZHANG, Xin~ 33:CN ~31:202310019172.2 ~32:06/01/2023

2023/00650 ~ Complete ~54:METHODS AND REAGENTS FOR DIAGNOSIS OF SARS-COV-2 INFECTION ~71:Charit&#233; - Universit&#228;tsmedizin Berlin, Charit&#233;platz 1, BERLIN 10117, GERMANY, Germany;EUROIMMUN Medizinische Labordiagnostika AG, Seekamp 31, L&#220;BECK 23560, GERMANY, Germany ~72: CORMAN, Victor;LATTWEIN, Erik;LINDHORST, Fabian;M&#220;LLER, Marcel;MESSING, Claudia;NEUGEBAUER, Eva;STEINHAGEN, Katja;STIBA, Konstanze~ 33:EP ~31:20158348.1 ~32:19/02/2020;33:EP ~31:20158626.0 ~32:20/02/2020;33:EP ~31:20158821.7 ~32:21/02/2020;33:DE ~31:20 2020 003 564.5 ~32:20/08/2020;33:DE ~31:20 2020 104 982.8 ~32:28/08/2020

2023/00659 ~ Complete ~54:NON-SLIP HOUGH PIPELINE CONNECTION REPAIRER ~71:ANHUI TONGFA EQUIPMENT CO., LTD, Changjiang E-Commerce Ecological City, Economic Development Zone, Anqing City, Anhui Province, 246008, People's Republic of China ~72: JIAO, Xiangjing;LIU, Jie~ 33:CN ~31:CN202211252661.4 ~32:13/10/2022

2023/00673 ~ Complete ~54:SOIL ANALYSIS METHOD ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00640 ~ Complete ~54:ORGANIC FERTILIZER COMPOSTING TREATMENT BOX AND INTELLIGENT COMPOSTING SYSTEM THEREOF ~71:Anhui Science and Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: CHEN Gang;HAO Bing;QIAO Cece;REN Lantian;SHAO Qingqin;WANG Shimei;WU Wenge;ZHANG Congjun~ 33:CN ~31:2022107082628 ~32:21/06/2022

2023/00644 ~ Complete ~54:DEVICE AND METHOD FOR TREATING ACID WASTEWATER FROM COAL MINES BY USING COAL GANGUE ~71:Anhui Science and Technology University, 9 Donghua Road, Fengyang County, Chuzhou City, Anhui Province, People's Republic of China ~72: CHENG Xiyang;YANG Ruimin;ZHANG Zhenning;ZHENG Tenglong~ 33:CN ~31:2022107875244 ~32:06/07/2022

2023/00667 ~ Complete ~54:SOIL ANALYSIS COMPOSITIONS AND METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00668 ~ Complete ~54:SOIL ANALYSIS METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00672 ~ Complete ~54:SOIL ANALYSIS METHOD ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: NELSON, Rachel;PETROSKI, Richard~ 33:US ~31:63/052,070 ~32:15/07/2020;33:US ~31:63/052,334 ~32:15/07/2020;33:US ~31:63/052,341 ~32:15/07/2020;33:US ~31:63/052,345 ~32:15/07/2020;33:US ~31:63/052,356 ~32:15/07/2020;33:US ~31:63/052,395 ~32:15/07/2020

2023/00678 ~ Complete ~54:METHOD FOR PRODUCING 225AC SOLUTION ~71:NIHON MEDI-PHYSICS CO., LTD., 3-4-10, Shinsuna, Koto-ku, Tokyo, 1360075, Japan ~72: MASASHI NATSUSAKO;SHUNICHI ASO;YOSHIO HONDA~ 33:JP ~31:2020-123131 ~32:17/07/2020

2023/00684 ~ Complete ~54:METHOD TO TREAT A CONDENSATE IN A PULPING PROCESS ~71:NIKEDE Comercio e Representa#231;&#245;es LTDA, Av Lucas Nogueira Garcez, 795 sala 11 Centro, S#195;O BERNARDO DO CAMPO - SP 09750-670 , BRAZIL, Brazil;Suzano S.A., Avenida Professor Magalh#227;es Neto, 1.752, 10#186; andar, salas 1009, 1010 e 1011, Pituba, SALVADOR - BA 41810-012, BRAZIL, Brazil ~72: DE MORAIS, Dimas;FILHO, Ot#225;vio Mambrim~ 33:US ~31:63/040,282 ~32:17/06/2020

2023/00687 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATMENT OF GENE THERAPY PATIENTS ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd., 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: HINDERER, Christian;HORIUCHI, Makoto;WILSON, James M.~ 33:US ~31:63/040,381 ~32:17/06/2020;33:US ~31:63/135,998 ~32:11/01/2021;33:US ~31:63/152,085 ~32:22/02/2021

2023/00691 ~ Complete ~54:A LIPOSOMAL COMPOSITION OF PTEROCARPUS SANTALINUS AND THE PROCESS THEREOF ~71:PHATAK, Rohan Sharadanand, Krishna Institute of Medical Sciences, Near Dhebewadi Road, Malkapur, Karad, Maharashtra, 415110, India ~72: CHOPADE, Atul Ramchandra;PATIL, Pramod Anil;PATIL, Prasanna Sanjaykumar;PHATAK, Rohan Sharadanand;SALUNKHE, Vijay Rajaram~ 33:IN ~31:202021027131 ~32:26/06/2020

- APPLIED ON 2023/01/17 -

2023/00701 ~ Complete ~54:SPEECH FEATURE AUTHENTICATION METHOD AND SYSTEM BASED ON HOMOMORPHIC ENCRYPTION ALGORITHM ~71:Zhejiang Wanli University, No.8 Qianhu South Road, Yinzhou District, Ningbo City, Zhejiang Province, People's Republic of China ~72: CHEN Zhigang;SONG Xinxia~

2023/00708 ~ Complete ~54:AN AEROSPACE METEOROLOGICAL SUPPORT PLATFORM ~71:Lanzhou Central Meteorological Observatory (Lanzhou Drought Ecological Environment Monitoring and Prediction Center), No. 2070, Donggang East Road, Lanzhou, Gansu, People's Republic of China ~72: Bolong Duan;Chongshui Gong;Dong Wei;Haojun Qin;Rong Li;Weicheng Liu;Xiangwei Kong;Xinwei Liu;Yicheng Wang~

2023/00740 ~ Complete ~54:INNOVATION AND ENTREPRENEURSHIP EDUCATION COURSE DEMONSTRATION DEVICE ~71:Huainan Normal University, Dongshan West Road, Tianjia District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Wang Xiangwei;Yang xia;Zhang lili;Zhao Yang~

2023/00743 ~ Complete ~54:LECTRONIC INFORMATION TRANSMISSION DEVICE BASED ON WIRELESS TRANSMISSION ~71:Xinyu University, 2666 Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: He Wei;Liu Danjuan~

2023/00745 ~ Complete ~54:EXCAVATOR DATA INTELLIGENT TEST SOFTWARE PLATFORM ~71:Jiamusi University, No. 258 Xuefu Street Jiamusi City, Heilongjiang Province, 154007, People's Republic of China ~72: Gu Ye;Guan Jinqiu;Han Zaiquan;Li Shengju;Ren Guoli;Sun Yanbin;Wang Hanzhong;Wang Xiankun;Wang Xueqiao;Wang Yong;Xu Qi~

2023/00753 ~ Complete ~54:FIXATION DEVICE FOR CLINICAL DISSECTION ~71:Xuzhou Medical University, No. 209, Tongshan Road, Yunlong District, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: Du Wenqi;Li Mengdi;Liu Yanan;Wu Qiong~

2023/00771 ~ Complete ~54:METHACRYLIC RESIN COMPOSITION AND MOLDED BODY ~71:Asahi Kasei Kabushiki Kaisha, 1-1-2 Yurakucho, Chiyoda-ku, TOKYO 1000006, JAPAN, Japan ~72: TSUJIMOTO, Katsura~ 33:JP ~31:2020-137106 ~32:14/08/2020

2023/00775 ~ Complete ~54:ROASTING AND PROCESSING APPARATUS FOR COFFEE BEANS ~71:Societ des Produits Nestl S.A., Avenue Nestl 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT BOUZIAD, Youcef;SAVIOZ, Grigory;YOAKIM, Alfred~ 33:EP ~31:20181830.9 ~32:24/06/2020

2023/00779 ~ Complete ~54:HETEROCYCLIC COMPOUND AND USE THEREOF ~71:WUHAN LL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., Biolake C2-2, No.666 High-Tech Road, East Lake High-Tech Development Zone, People's Republic of China ~72: CHEN, Xiaoya;CHEN, Yongkai;GUO, Xiaodan;LI, Jinping;LIU, Li;LOU, Jun;WANG, Chaodong;ZHANG, Yihan;ZHOU, Feng~ 33:CN ~31:202010636308.0 ~32:03/07/2020;33:CN ~31:202011460143.2 ~32:11/12/2020

2023/00754 ~ Complete ~54:ASSEMBLE FOAM CERAMIC SANDWICH SELF-INSULATION WALLBOARD AND PREPARATION METHOD THEREOF ~71:Xinyu University, Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Hui xin;Liao Feifei;Lu Zhifeng;Xu Li;Zhang Jianying;Zhang Yuqing~

2023/00762 ~ Complete ~54:PLANT GROWTH REGULATORS ~71:WINFIELD SOLUTIONS, LLC, 4001 Lexington Ave. N, Arden Hills, Minnesota, 55126, United States of America ~72: CLIFF WATRIN;MARCUS JONES~ 33:US ~31:16/934,263 ~32:21/07/2020

2023/00767 ~ Complete ~54:MAGNETIC SEPARATORS WITH STATIONARY MAGNETIC MATRICES, AND METHODS OF USING THE SAME ~71:JOS&#201; PANCR&#193;CIO RIBEIRO, 1100 Alameda Oscar Niemeyer, Apt. 1803C, Nova Lima, 34006-065, Brazil;RIBEIRO, CL&#193;UDIO HENRIQUE TEIXEIRA, 9808 Caitlins Ct. Ellicott City, Maryland, 21042, United States of America ~72: CL&#193;UDIO HENRIQUE TEIXEIRA RIBEIRO;JOS&#201; PANCR&#193;CIO RIBEIRO~ 33:US ~31:16/928,495 ~32:14/07/2020

2023/00774 ~ Complete ~54:DISPENSING AND PREPARATION APPARATUS FOR POWDERED FOOD OR BEVERAGE PRODUCTS ~71:Soci&#233;t&#233; des Produits Nestl&#233; S.A., Avenue Nestl&#233; 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT BOUZIAD, Youcef~ 33:EP ~31:20181828.3 ~32:24/06/2020

2023/00783 ~ Complete ~54:FRICITION FIT DRILL BIT ASSEMBLY FOR A SELF-DRILLING ROCK BOLT ~71:Innovative Mining Products (Pty) Ltd, 109 Adcock Ingram Avenue, South Africa ~72: PASTORINO, Paolo Ettore~ 33:ZA ~31:2020/04337 ~32:15/07/2020

2023/00716 ~ Complete ~54:MELON AND FRUIT GRADING DEVICE ~71:Hunan University of Humanities, Science and Technology, No.487 Dixing Road, Louxing District, Loudi City, Hunan Province, People's Republic of China ~72: JIANG Yanfang;LIU Zefa;WANG Ya&#39;nan;ZHANG Honglei~ 33:CN ~31:202211609263.3 ~32:14/12/2022

2023/00721 ~ Complete ~54:AN ADJUSTABLE OUTDOOR SPORTS EQUIPMENT ~71:Zhejiang International Maritime College, No. 268, Haitian Avenue, Lincheng, Zhoushan, Zhejiang, 316021, People's Republic of China ~72: Yanbo Xia~ 33:CN ~31:202220829427.2 ~32:12/04/2022

2023/00722 ~ Complete ~54:MULTI-GRADE GRINDING PREPARATION DEVICE FOR GRAPHENE CARBON BRUSH POWDER ~71:Zhejiang Industry And Trade Vocational College, No. 717, Fudong Road, Lucheng District, Wenzhou City, Zhejiang Province, 325000, People's Republic of China ~72: GAO, Yao;KONG, Xiangwei;TU, Zeyang;WANG, Xiaojin~

2023/00727 ~ Complete ~54:DEVICE FOR EXTRACTING ARSENIC FROM WASTE RESIDUE PRODUCED IN PROCESS OF SMELTING COPPER ~71:Hunan University of Technology, 436 Keji Building, 88 Taishan Road, Tianyuan District, Zhuzhou, People's Republic of China ~72: Jiaxian QIAO;Xian LIU;Xin LIU;Ying CHEN~

2023/00737 ~ Complete ~54:CEREBRAL APOPLEXY HYDROTHERAPY TYPE REHABILITATION DEVICE ~71:Xuzhou Medical University, No. 209, Tongshan Road, Yunlong District, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: Liu Buhui;Liu Yanan;Yao Ruiqin~

2023/00748 ~ Complete ~54:PURIFYING TREATMENT DEVICE FOR TREATING RIVER WATER POLLUTION ~71:Jiangsu College of Safety Technology, No. 1, Yucai Road, Jiawang District, Xuzhou City, Jiangsu Province, 221011, People's Republic of China ~72: Ma Yanyan~

2023/00769 ~ Complete ~54:OFF-GAS UTILIZATION IN ELECTRICALLY HEATED REFORMING PLANT  
~71:TOPSOE A/S, Haldor Topsøe Alls; 1, 2800, Kgs. Lyngby, Denmark ~72: PETER  
M&#216;LGAARD MORTENSEN~ 33:EP ~31:20192075.8 ~32:21/08/2020

2023/00692 ~ Provisional ~54:LIQUID FERTILISER AND A METHOD OF MANUFACTURING THEREOF  
~71:SOILTECH (PTY) LIMITED, Umkomaas Farm, Strydomblok road,, South Africa ~72: VAN VUUREN, Nico~

2023/00694 ~ Complete ~54:SINTERING TOOL FOR THIN-WALL CERAMIC TUBES ~71:Hengyang Kaixin  
Special Material Technology Co., Ltd., No. 46, Industrial Avenue, Baishazhou Industrial Park, Yanfeng District,  
Hengyang City, Hunan Province, 421001, People's Republic of China ~72: JIANG, Jieying;QIAN, Lihong;XIAO,  
Liang;XIE, Shansui;ZHU, Fulin~ 33:CN ~31:202220968536.2 ~32:25/04/2022

2023/00705 ~ Complete ~54:A GRAVITY SUCTION CIRCULATING HYDROELECTRIC POWER GENERATION  
SYSTEM ~71:Wanjing Huang, No. 2, Lane 5, Yanhejie, Yaojun, Hongmei Town, Dongguan, Guangdong,  
People's Republic of China ~72: Wanjing Huang~

2023/00720 ~ Complete ~54:BUILDING INDUSTRIAL FABRICATED EXTERNAL CONSTRUCTION  
OPERATION PLATFORM ~71:Xinyu University, 2666 Sunshine Dadao, High-tech Zone, Xinyu City, Jiangxi  
Province, People's Republic of China ~72: Cai yunfang;Deng zhusong;Fu siyong;Guo qiulan;Liao feifei;Wang  
chengyuan;Xu aimei;Xu li;Zhang jianying;Zhang wu;wang juan~

2023/00726 ~ Complete ~54:AQUATIC DEVICE CAPABLE OF BEING AUTOMATICALLY CLEANED IN  
AQUAPONICS SYSTEM ~71:Hunan University of Technology, 88 Taishan West Road, Tianyuan District,  
Zhuzhou, People's Republic of China ~72: Jiaxian QIAO;Xian LIU;Xin LIU;Ying CHEN~

2023/00693 ~ Provisional ~54:BARRIER ~71:COCHRANE GULF FZE, 901 Suntech Tower, Silicon Oasis, United  
Arab Emirates ~72: BUCARIZZA, Vlado~

2023/00695 ~ Complete ~54:METAL ORGANIC FRAMEWORK FOR ADSORBING FORMALDEHYDE, AND  
PREPARATION METHOD AND APPLICATION THEREOF ~71:Zhaoqing University, Yingbin Avenue, Duanzhou  
District, Zhaoqing City, Guangdong Province, 526061, People's Republic of China ~72: MA, Deyun~ 33:CN  
~31:202210881615.4 ~32:26/07/2022

2023/00699 ~ Complete ~54:POSITIONING METHOD OF WATER SURFACE SENSOR NETWORK WITH  
UNKNOWN SIGNAL PROPAGATION LOSS UNDER NON-LINE-OF-SIGHT CONDITION ~71:Beijing  
International Studies University, No.1 Dingfuzhuang Nanli, Chaoyang District, Beijing, People's Republic of  
China;Shanghai Maritime University, 1550 Haigang Avenue, Pudong New District, Shanghai City, People's  
Republic of China;Shanghai Ship and Shipping Research Institute Co., Ltd., No. 600, Minsheng Road, Pudong  
New District, Shanghai City, People's Republic of China;Wuhan University of Technology, No. 122 Luoshi Road,  
Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: CHEN Xinqiang;HAN Bing;HAN  
Dezhi;LI Mengzhen;MA Hongqin;MEI Xiaojun;WU Huafeng;XIAN Jiangfeng~ 33:CN ~31:202211419052.3  
~32:14/11/2022

2023/00704 ~ Complete ~54:DIAPHRAGM PACING IDENTIFICATION AND MONITORING DEVICE ~71:THE  
SECOND XIANGYA HOSPITAL OF CENTRAL SOUTH UNIVERSITY, No.139 Renmin Road, Changsha,  
People's Republic of China ~72: Chen Mingxian;Li Xuping;Liu Qiming;Liu Zhenjiang;Tu Tao;Wu Zhihong;Xiao  
Yichao;Yang Hui;Zhou Shenghua~ 33:CN ~31:202210356039.1 ~32:06/04/2022

2023/00715 ~ Complete ~54:MULTI-WORKING CONDITION OPTIMIZATION DESIGN METHOD OF TURBINE  
RUNNER UNDER MULTI-ENERGY COMPLEMENTARY CONDITION ~71:Xi'an Thermal Power Research  
Institute Co.,Ltd, Building A, Boyuan Science and Technology Plaza, No.99 Yanxiang Road, Xi'an, Shaanxi

Province, People's Republic of China;Xi'an University of Technology, No. 5 Jinhua South Road, Xi'an, Shaanxi, People's Republic of China ~72: GUO Pengcheng;LI Zhihua;QIN Dige;ZHAO Yaping;ZHENG Xiaobo~ 33:CN ~31:2022101015761 ~32:27/01/2022

2023/00718 ~ Complete ~54:PREFABRICATED BUILDING SIMULATION SYSTEM ~71:Guangzhou City Polytechnic, NO. 248 Guangyuan Middle Road, Baiyun District, Guangzhou City, Guangdong Province, People's Republic of China ~72: LEI Hua~

2023/00724 ~ Complete ~54:SINGLE JOINT STRESS-SEEPAGE COUPLING NUMERICAL CALCULATION METHOD ~71:China university of Geosciences (Wuhan), No. 388, Lumo road, Wuhan, Hubei province, People's Republic of China ~72: HU Xiaochuan;TANG Zhicheng;WANG Shuyu;XIONG Feng;ZHANG Guohua;ZOU Junpeng~ 33:CN ~31:202211584079.8 ~32:09/12/2022

2023/00729 ~ Complete ~54:A FLOW ADSORPTION TYPE CLEANING EQUIPMENT WITH FLOTAGE SEPARATION ~71:Zhejiang Jiangcheng Technology Co., Ltd, Room 1709, Unit 2, Building 2, Lanzhuan Tiancheng, Gongshu District, Hangzhou, Zhejiang, People's Republic of China ~72: Fan Jin;Hejie Lin;Ning Yang;Quanfu Luo;Shuzhu Zhang;Xuewen Zhao;Yong He~

2023/00730 ~ Complete ~54:A MOLECULAR MARKER FOR EARLY SELECTION OF LAYING NUMBER OF DANZHOU CHICKENS ~71:Tropical Crop Germplasm Research Institute, No. 4, College Road, Chengxi, Haikou, Hainan, People's Republic of China ~72: Guanyu Hou~

2023/00712 ~ Complete ~54:ALD SEALING PROCESS OF LIGHT METAL MICRO-ARC OXIDATION FILM ~71:Inner Mongolia Institute of Metal Materials, No. 4, Hude Mulin Street, Qingshan District, Baotou City, Inner Mongolia, 014000, People's Republic of China ~72: Hong DONG;Hongwei ZHOU;Lijun ZHANG;Peijun NI;Rui JIANG;Yuandong SUN~

2023/00741 ~ Complete ~54:UIDE FRAME LIF TYPE DETECTION DEVICE FOR ELEVATOR OVERLOAD ~71:Jiangsu College of Safety Technology, No. 1, Yucai Road, Jiawang District, Xuzhou City, Jiangsu Province, 221011, People's Republic of China ~72: Liu Jialin;Sun Wenbo;Xia Ronghua;Zhao Huijuan~

2023/00744 ~ Complete ~54:A FINANCIAL TRANSACTION DEVICE ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Liu zebin;Lv hui;Tang Enlin~

2023/00758 ~ Complete ~54:SYSTEM AND METHOD FOR CONTROLLING AMOUNT OF SCREEN TIME OF AN INDIVIDUAL ~71:CARTER, Ashley, 200 Railway Parade Kogarah, Australia ~72: CARTER, Ashley~ 33:AU ~31:2020902289 ~32:03/07/2020

2023/00781 ~ Provisional ~54:PERFORMANCE BED ~71:GIDEON MPHIKELELI MADUNA, 14 PRETORIUS.STR.LTX., South Africa ~72: GIDEON MPHIKELELI MADUNA~

2023/00751 ~ Complete ~54:ANTI-CRACK EFFECT DETECTION DEVICE FOR ELASTIC MATERIAL ~71:Xinyu University, Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Li Lianshun;Pi Ling;Wang Juan;Xiao Shucong;Zeng Wenlin~

2023/00768 ~ Complete ~54:METHOD AND DEVICE FOR TREATING ORGANIC WASTE, INCLUDING THE ANAEROBIC DIGESTION THEREOF AND THE COMPOSTING OF THE DIGESTATES ~71:JUA, CS 37777, 672 rue du Mas de Verchant, 34967, Montpellier Cedex 2, France ~72: JEAN-LUC SALLUSTRO~ 33:FR ~31:2007468 ~32:16/07/2020



2023/00713 ~ Complete ~54:DECENTRALIZED TREATMENT DEVICE SUITABLE FOR DOMESTIC SEWAGE DISCHARGE CHARACTERISTICS ~71:Lancang-Mekong Water Resources Cooperation Center, Suite D, No.3 South Yuyuantan Road, Haidian District, Beijing, 100038, People's Republic of China;Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, 18 Shuangqing Road, Haidian District, Beijing, People's Republic of China ~72: CHENG Dongsheng;DONG Xi;HAO Zhao;HU Chunming;TONG Yuchen;YOU Li~

2023/00723 ~ Complete ~54:A DETERMINATION METHOD AND A DEVICE OF THE NUCLEAR MAGNETIC RESONANCE SURFACE RELAXATION RATE OF COAL ~71:China University of Mining and Technology, No.1 Daxue Road, Quanshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: Fansheng HUANG;Meng WANG;Ran WANG;Shiqi LIU;Shuxun SANG;Sijian ZHENG;Sijie HAN;Xiaozhi ZHOU;Yanbin YAO~

2023/00733 ~ Complete ~54:INTELLIGENT STORAGE INTEGRATION MODULE FOR UNMANNED DRIVING INFORMATION ~71:Suzhou University, No. 49, Middle Bianhe Road, Suzhou City, Anhui Province, People's Republic of China ~72: Ma Lan;Wang Dalei;Wang Nan;Wang Qingyang;Wang Xiaolei~

2023/00736 ~ Complete ~54:EXHIBITION DEVICE FOR FINANCIAL MANAGEMENT SYSTEM BASED ON DIGITAL HP ~71:Suzhou University, No. 49, Middle Bianhe Road, Suzhou City, Anhui Province, People's Republic of China ~72: Chen Ding;Ma Lan;Wang Dalei~

2023/00747 ~ Complete ~54:CLEANING DEVICE FOR PREVENTING AND TREATING ECTOPARASITE OF MUTTON SHEEP ~71:Chifeng Institute of Agriculture and Animal Husbandry science, Chifeng Agriculture and Animal Husbandry Industrial Park, Xing'an Street, Songshan District, Chifeng, Inner Mongolia, 024000, People's Republic of China ~72: Fu Ning;He Xigebaiyin;Li Zhiguo;Lin Xin;Mao Ran;Zhao Rigetu~

2023/00761 ~ Complete ~54:METHOD FOR DETERMINING AMOUNTS OF NAD METABOLITES FROM SAMPLE AND METHODS AND USES RELATED THERETO ~71:HELSINGIN YLIOPISTO, Yliopistonkatu 3, 00014 Helsingin Yliopisto, Finland ~72: ANU WARTIOVAARA;LILIYA EURO~ 33:FI ~31:20205738 ~32:09/07/2020

2023/00770 ~ Complete ~54:T-CELL MODULATORY POLYPEPTIDES WITH CONJUGATION SITES AND METHODS OF USE THEREOF ~71:CUE BIOPHARMA, INC., 40 Guest Street Boston, Massachusetts 02135, United States of America ~72: ANISH SURI;CHEE MENG LOW;GURPANNA SAGGU;JOHN F ROSS;RAYMOND J MONIZ;RODOLFO J CHAPARRO;RONALD D SEIDEL III~ 33:US ~31:63/051,472 ~32:14/07/2020;33:US ~31:63/110,929 ~32:06/11/2020;33:US ~31:63/120,677 ~32:02/12/2020

2023/00773 ~ Complete ~54:GRINDING AND EXTRACTION APPARATUS FOR COFFEE BEANS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT BOUZIAD, Youcef;YOAKIM, Alfred~ 33:EP ~31:20181832.5 ~32:24/06/2020

2023/00698 ~ Complete ~54:A GAINING FACE SYNTHESIS METHOD USING STEREO FACE ~71:Shenyang University of Technology, No.111, Shenliao West Road, Economic & Technological Development Zone, Shenyang, Liaoning, 110870, People's Republic of China ~72: Gang ZHANG;Xin DAI~

2023/00702 ~ Complete ~54:CABINET-TYPE MULTI-MODEL TEST TUBE MOISTENING AND WASHING MACHINE ~71:Xi'an University of Technology, No. 5 Jinhua South Road, Xi'an, Shaanxi, People's Republic of China ~72: GUO Pengcheng;LI Lin;MA Chenxiao;REN Zhaobo;SUN Shuaihui;WANG Zhe;WEI Tingrui;WU Pengbo;ZHAO Yanxin~ 33:CN ~31:2022100532544 ~32:18/01/2022

2023/00707 ~ Complete ~54:LISTENING TRAINING DEVICE FOR ENGLISH EDUCATION ~71:SUZHOU UNIVERSITY, Erpu Village, Zhuxianzhuang Town, Yongqiao District, Suzhou, Anhui, People's Republic of China ~72: Fei Jiang;Qingzhao Li~

2023/00717 ~ Complete ~54:PREPARATION METHOD, PRODUCT AND APPLICATION OF SOLID SOLUTION WITH NEAR-ZERO EXPANSION PERFORMANCE ~71:Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengdong New District, Zhengzhou City, Henan Province, 450018, People's Republic of China ~72: FU Linjie;WANG Haili;WANG Xianli;XU Kun;YU Zhanjun~

2023/00728 ~ Complete ~54:SHEEP FROZEN SEMEN DILUENT AND PREPARATION PROCESS FOR SHEEP THIN TUBE FROZEN SEMEN ~71:China,Xinjiang&#160;academy&#160;of&#160;agricultural&#160;reclamation, wu&#160;yi&#160;road&#160;No.221, Shihezi, Xinjiang,China,Xinjiang&#160;academy&#160;of&#160;agricultural&#160;reclamation, People's Republic of China ~72: Dai rong;Fu xiangwei;Liu yucheng;Shi guoqing;Wan pengcheng;wang jingjing;yang yang;zhang zhengliang~

2023/00734 ~ Complete ~54:LEARNING AND MEMORY TRAINING DEVICE FOR PREVENTING AND TREATING SENILE DEMENTIA ~71:Xuzhou Medical University, No. 209, Tongshan Road, Yunlong District, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: Liu Zhian;Shen Xiaojun~

2023/00739 ~ Complete ~54:APPLICATION MATHEMATIC TEACHING AID TOOLBOX ~71:JIAMUSI UNIVERSITY, No.258 Xuefu St. Jiamusi, Heilongjiang, People's Republic of China ~72: Han Zaiquan;Ma Liguo;Sun Yanbin;Wang Hanzhong;Wang Xiankun;Wang Yong;Zhao Lin~

2023/00742 ~ Complete ~54:COMFORTABLE HEIGHTS DETERMINATION METHOD FOR HANGING OPERATION OF AGING STORAGE PRODUCT ~71:Beijing Forestry University, No.35, Tsinghua East Road, Haidian District, Beijing, People's Republic of China ~72: Li Ye;Liu Yuqing;Shi Xin'ao;Zhang Fan~

2023/00749 ~ Complete ~54:A REHABILITATION EXERCISE DEVICE FOR GERIATRIC CARE ~71:Han Xin, Qilian Mountain Road, Xuecheng District, Zaozhuang City, Shandong Province, 277800, People's Republic of China ~72: Chu Yunjie;Gao Li;Han Xin;Li Hu;Li Liang;Li Yingying;Liu Changyan;Sun Fei;Zhang Lin;Zhao Shiyi~

2023/00756 ~ Complete ~54:BIT 1T/2H-MOS2/NI CHAIN/RGO AEROGEL COMPOSITE WAVE-ABSORBING MATERIAL AND PREPARATION METHOD THEREOF ~71:Zhengzhou University of Aeronautics, No. 2, University Middle Road, Erqi District, Zhengzhou City, Henan Province, 450015, People's Republic of China ~72: FENG, Desheng;LI, Peichen;QIN, Zhen;REN, Yumei;YAN, Zhiming;ZHANG, Zixuan~

2023/00759 ~ Complete ~54:COMMUNICATION DEVICE ~71:TRUDI PIPER, Ground Floor Autoparks House, 13 Park Crescent, Glenhazel, South Africa ~72: DIEDERIK ARNOLDUS KAPP;PHILIP STEPHEN PIPER~ 33:ZA ~31:2020/04482 ~32:21/07/2020

2023/00760 ~ Complete ~54:INHIBITORS OF LINE1 AND USES THEREOF ~71:T-ONE THERAPEUTICS S.R.L., Via Pietro Giannone 9, 20154, Milano, Italy ~72: BEATRICE BODEGA;FEDERICA MARASCA~ 33:EP ~31:20186492.3 ~32:17/07/2020

2023/00764 ~ Complete ~54:FUEL ADDITIVES FOR MITIGATING INJECTOR NOZZLE FOULING AND REDUCING PARTICULATE EMISSIONS ~71:CHEVRON ORONITE COMPANY LLC, 6001 Bollinger Canyon Road, San Ramon, California, 94583, United States of America;CHEVRON U.S.A. INC., 6001 Bollinger Canyon Road, San Ramon, California, 94583, United States of America ~72: ANDREW M ICKES;CARRIE Y CHAN;CHUNG-HAO KUO;MAN KIT NG;PETER A FUENTES-AFFLICK;THERESA L GUNAWAN;WILLIAM RAYMOND RUHE JR.~ 33:US ~31:63/048,922 ~32:07/07/2020

2023/00766 ~ Complete ~54:IMPROVED CHLORANTRANILIPROLE PROCESS THROUGH USE OF A CRYSTAL INTERMEDIATE ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Patent Dept., Philadelphia, Pennsylvania 19104, United States of America ~72: ERIN GALLAGHER DEMKO;JACK K VINTHER;KARE SONDERGAARD;KIM LUNDKVIST;MATTHEW RICHARD OBERHOLZER;STEVEN T BOOTH~ 33:US ~31:63/055,446 ~32:23/07/2020

2023/00776 ~ Complete ~54:IN-LINE AIR BUBBLE SUSPENSION APPARATUS FOR ANGIOGRAPHY INJECTOR FLUID PATHS ~71:Bayer HealthCare, LLC, 100 Bayer Boulevard, WHIPPANY 07981, NJ, USA, United States of America ~72: COWAN, Kevin;DEDIG, James;HAURY, John;SPOHN, Michael;UBER III, Arthur~ 33:US ~31:62/705,250 ~32:18/06/2020

2023/00778 ~ Complete ~54:ACTIVE COMPOUND COMBINATIONS ~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany ~72: GEIST, Julie;KL&#220;KEN, Agostinos Michael;MILLET, Anthony;MONTAGNE, Cyril;NICOLAS, Lionel;TSUCHIYA, Tomoki~ 33:EP ~31:20180707.0 ~32:18/06/2020

2023/00755 ~ Complete ~54:LECTRICAL AUTOMATION MEASUREMENT AND CONTROL ANALYSIS EQUIPMENT ~71:Xinyu University, No. 2666, Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Jian Huihua;Liao Yumei;Liu Lei;Pei Jianliang;Wang Haizhen~

2023/00763 ~ Complete ~54:ADAPTER ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: GREGORY LALIER;SLAVICA CESARE~ 33:US ~31:63/060,350 ~32:03/08/2020;33:EP ~31:20203694.3 ~32:23/10/2020

2023/00780 ~ Complete ~54:IMMUNOGENIC COMPOSITION AGAINST SEVERE ACUTE RESPIRATORY SYNDROME CORONAVIRUS 2 (SARS-COV-2) ~71:DYNAVAX TECHNOLOGIES CORPORATION, 100 Powell Street, Suite 900 Emeryville, United States of America;MEDIGEN VACCINE BIOLOGICS CORPORATION, No. 68, Shengyi 3rd Road Zhubei City Hsinchu County, People's Republic of China ~72: CAMPBELL, John, D.;CHEN, Charles;JANSSEN, Robert, S.;KUO, Tsun-Yung;LIN, Meei-Yun;LIN, Yi-Jiun;NOVACK, David;WU, Chung-Chin;WU, Yu-Chi~ 33:US ~31:63/040,696 ~32:18/06/2020;33:WO ~31:PCT/US2021/020277 ~32:01/03/2021

2023/00731 ~ Complete ~54:SYSTEMS FOR AUTOMATED BLAST DESIGN PLANNING AND METHODS RELATED THERETO ~71:DYNO NOBEL INC., 6440 S. Millrock Drive, Suite 150, Salt Lake City, Utah, 84121, United States of America ~72: JEFFREY AVERETT;JOSEPH NAWROCKI JR.;RUFUS E FLINCHUM;SCOTT GILTNER~ 33:US ~31:62/801,312 ~32:05/02/2019

2023/00732 ~ Complete ~54:HUMAN ANATOMY SPECIMEN STORAGE DEVICE ~71:Xuzhou Medical University, No. 209, Tongshan Road, Yunlong District, Xuzhou City, Jiangsu Province, 221004, People's Republic of China ~72: Cheng Wanpeng;Li Mengdi;Sa Peiyue;Wang Yani~

2023/00735 ~ Complete ~54:A HIGH-FOG BRIGHT DIFFUSION PLATE ~71:GUANGDONG REGENCY ADVANCED MATERIALS CO., LTD., Lilin Town, Huicheng District, Huizhou City, Guangdong, People's Republic of China ~72: LIANG, Manyi~

2023/00738 ~ Complete ~54:A FINANCIAL MANAGEMENT SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:Anhui Science and Technology University, 9 Donghua Road, Fengyang, Chuzhou, Anhui, 233100, People's Republic of China ~72: Zhong Deren~

2023/00746 ~ Complete ~54:BUILDING CONSTRUCTION MONITORING DEVICE BASED ON BIM  
~71:Changzhou Vocational Institute of Engineering, No.33 Gehu Middle Road, Wujin District, Changzhou City, Jiangsu Province, 213164, People's Republic of China ~72: Pan Shucaí~

2023/00750 ~ Complete ~54:LECTRICAL AUTOMATIC MATERIAL SCREEN DEVICE ~71:Jiangsu College of Safety Technology, No. 1, Yucai Road, Jiawang District, Xuzhou City, Jiangsu Province, 221011, People's Republic of China ~72: Huang Chuanxiang;Li Qing~

2023/00752 ~ Complete ~54:ASSEMBLE SECTION STEEL BEAM COMBINED SPECIAL-SHAPED COLUMN AND CONSTRUCTION METHOD THEREOF ~71:Xinyu University, Sunshine Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Hui xin;Liao Feifei;Lu Zhifeng;Xu Li;Zhang Jianying;Zhang Yuqing~

2023/00757 ~ Complete ~54:ISOQUINOLINE COMPOUNDS AND THEIR USE IN TREATING AHR IMBALANCE ~71:DERMAVANT SCIENCES GMBH, Viaduktstrasse 8, Switzerland ~72: AXTMAN, Alison;DREWRY, David H;JAYAWICKREME, Channa K;SELENSKI, Carolyn;SMITH, Susan H;TRUMP, Ryan Paul;WELLS, Carrow;WILLSON, Timothy;ZHANG, Cunyu;ZUERCHER, William~ 33:US ~31:63/052,561 ~32:16/07/2020;33:US ~31:63/052,574 ~32:16/07/2020

2023/00765 ~ Complete ~54:ACIDIFIED FERTILIZER GRANULES ~71:SABIC GLOBAL TECHNOLOGIES B.V., Plasticlaan 1, 4612 PX, Bergen op Zoom, Netherlands ~72: ANDREW GEORGE KELLS;HATIM AL DEKHIEL;MOHAMED AKASHA KHALEEL;NILKAMAL BAG;SALEH NAFE ALSHAMMARI~ 33:IN ~31:202011029906 ~32:14/07/2020

2023/00772 ~ Complete ~54:ROASTING AND GRINDING APPARATUS FOR COFFEE BEANS ~71:Soci&#233;t&#233; des Produits Nestl&#233; S.A., Avenue Nestl&#233; 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: AIT BOUZIAD, Youcef;YOAKIM, Alfred~ 33:EP ~31:20181829.1 ~32:24/06/2020

2023/00696 ~ Complete ~54:SYNERGETIC MINING METHOD FOR CLOSE-DISTANCE COAL SEAM AND OVERLYING SECTION COAL PILLAR ~71:China University of Mining and Technology, No. 1, Daxue Road, Tongshan District, Xuzhou City, Jiangsu Province, 221116, People's Republic of China;Liupanshui Normal University, No. 288, Minghu Road, Zhongshan District, Liupanshui City, Guizhou Province, 553004, People's Republic of China;Shaanxi Yulin Energy Group Yushen Coal Power Co., Ltd., Southeast Corner of the Intersection of Mingzhu Avenue and Yuxi Avenue, High-tech Zone, Yulin City, Shaanxi Province, 719000, People's Republic of China ~72: BAI, Ruhong;FAN, Limin;LI, Tao;MA, Liqiang;SUN, Qiang;WAN, Xiaobo;ZHANG, Jiaqi;ZHENG, Jing~ 33:CN ~31:202211506344.0 ~32:28/11/2022

2023/00706 ~ Complete ~54:INERTIAL FLYWHEEL MAGNETIC ENERGY SELF-CIRCULATING GENERATOR ~71:Gaofeng NING, No. 181, North Gucheng Village, Huafeng Town, Ningyang County, Taian, Shandong, People's Republic of China ~72: Gaofeng NING~ 33:CN ~31:202211035181.2 ~32:26/08/2022

2023/00709 ~ Complete ~54:A COOPERATION STRATEGY SYSTEM AND METHOD BASED ON VALUE CHARACTERISTICS OF A CLOUD ALLIANCE ~71:Jiaxing Vocational Technical College, No. 547, Tongxiang Avenue, Jiaxing, Zhejiang, People's Republic of China ~72: Chenguang Hu;Kun Ma;Lingyu Xu~

2023/00711 ~ Complete ~54:ACCURATE TRACKING METHOD OF CO2 IN PORE STRUCTURE ~71:LIAONING TECHNICAL UNIVERSITY, No. 47, Zhonghua Road, Fuxin City, Liaoning Province, People's Republic of China;Liaoning Non-ferrous Geological Exploration and Research Institute Co.,Ltd., No.7 North Youth Street, Shenhe District, Shenyang City, Liaoning Province, People's Republic of China ~72: JIN Jiaxu;LIU Qiang;SUN Weiji;TAN Zhen;WANG Beifang;WU Pengfei~

2023/00719 ~ Complete ~54:BIOMETRIC AUTHENTICATION METHOD AND SYSTEM BASED ON FUNCTION ENCRYPTION ALGORITHM ~71:Zhejiang Wanli University, No.8 Qianhu South Road, Yinzhou District, Ningbo City, Zhejiang Province, People's Republic of China ~72: CHEN Zhigang;SONG Xinxia~

2023/00697 ~ Complete ~54:RAPID DRUG INSPECTION METHOD BASED ON NEAR INFRARED SPECTRUM ~71:Yunnan Police College, No. 249, Jiaochang North Road, Wuhua District, Kunming City, Yunnan Province, 650223, People's Republic of China ~72: LI, Fan;LIU, Yan;NI, Chunming;PENG, Chengyun;YANG, Jun;YANG, Lihua;ZHANG, Jianqiang~ 33:CN ~31:202211115904.X ~32:14/09/2022

2023/00700 ~ Complete ~54:GROUTING SLEEVE FOR PREFABRICATED BUILDING STEEL BAR CONNECTION ~71:Guangzhou City Polytechnic, NO. 248 Guangyuan Middle Road, Baiyun District, Guangzhou City, Guangdong Province, People's Republic of China ~72: XU Bingjin~

2023/00703 ~ Complete ~54:DEVICE FOR VISUALIZING THE DEPTH OF IMPLANTING AND SCREWING THE HIS-PURKINJE SYSTEM PACING ELECTRODE INTO THE SEPTAL MYOCARDIUM ~71:THE SECOND XIANGYA HOSPITAL OF CENTRAL SOUTH UNIVERSITY, No.139 Renmin Road, Changsha, People's Republic of China ~72: Chen Mingxian;Jiang Hejun;Li Xuping;Liu Qiming;Liu Zhenjiang;Tu Tao;Wu Zhihong;Xiao Yichao;Yang Hui;Zhou Shenghua~ 33:CN ~31:202210357032.1 ~32:07/04/2022

2023/00710 ~ Complete ~54:PRIMER FOR STRUCTURAL BONDING OF METAL SUBSTRATES AND A PREPARATION METHOD THEREOF ~71:INSTITUTE OF PETROCHEMISTRY HEILONGJIANG ACADEMY OF SCIENCES, 164 Zhongshan Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: DUAN Hengfan;FU Gang;GAO Tangling;HE Yingcui;KUANG Hong;SHAO Nan;SUN Pengpeng;WANG Guan;WANG Xuesong;WEI Yunzhao;WU Jianwei;YU Xin;ZHANG Xiaonan;ZHAO Hanqing;ZHAO Yuyu~

2023/00714 ~ Complete ~54:DIABETIC RAT MOUTH GAG ~71:Guangxi Medical University, 22 Shuangyong Road, Qingxiu District, Nanning City, Guangxi Province, People's Republic of China ~72: BAN Guifei;FENG Huayu;GAO Biyun;HE Tao;JIANG Lanlan;LIANG Tao;LUO Jinghong;NONG Xiaolin;SU Xiaoping;WU Jihua;ZHANG Siqin~

2023/00725 ~ Complete ~54:A PRESCRIPTION FOR THE TREATMENT OF LIVER CANCER ~71:Guofu Guan, Building C, Precious Jade Garden, Lei Meng Kok, No. 186, Dock Street, Macao, People's Republic of China;Lican Yao, Room 901, 11th Floor, Building 2, Xiandai Huayuan Type D, No. 9, Haide Road, Longhua Dist., Haikou, Hainan, People's Republic of China;Ran Yao, Room 702, Building 5, No. 338, Qianshan Yixian Road, Xiangzhou Dist., Zhuhai, Guangdong, People's Republic of China ~72: Guofu Guan;Lican Yao;Ran Yao~

2023/00777 ~ Complete ~54:SYSTEM AND METHOD FOR SYRINGE PLUNGER ENGAGEMENT WITH AN INJECTOR ~71:Bayer HealthCare LLC, 100 Bayer Boulevard, WHIPPANY 07981, NJ, USA, United States of America ~72: CAPONE, Christopher;COWAN, Kevin;DEDIG, James;OSAN, Andrew;SRIVASTAVA, Abhinav;SWANTNER, Michael;TAHERI, Shahab;TUCKER, Barry;WLODARCZYK, Jaroslaw~ 33:US ~31:62/705,265 ~32:18/06/2020

- APPLIED ON 2023/01/18 -

2023/00850 ~ Complete ~54:USER DEVICE FOR GENERATING A GRAPHICAL USER INTERFACE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, UI. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021113778 ~32:14/05/2021

2023/00787 ~ Complete ~54:ANTI-SEISMIC STRUCTURE AND METHOD FOR BUILDING ~71:ANHUI JIANZHU UNIVERSITY, No. 292, Ziyun Road, Economic and Technological Development Zone, Hefei City, Anhui Province, People's Republic of China ~72: FANG Gaoni~

2023/00789 ~ Complete ~54:RAPID DETECTION METHOD OF MONACOLIN K IN MONASCUS ~71:HUAZHONG AGRICULTURAL UNIVERSITY, No.1,Shizishan Street,Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: CHEN Fusheng;LI Sihan~

2023/00791 ~ Complete ~54:ANTI-SEISMIC SUPPORT BASE FOR HOUSE BUILDING ~71:ANHUI JIANZHU UNIVERSITY, No. 292, Ziyun Road, Economic and Technological Development Zone, Hefei City, Anhui Province, People's Republic of China ~72: CHEN Xudong;FANG Gaoni~

2023/00800 ~ Complete ~54:VENTILATION MASK ~71:VYAIR MEDICAL, INC., 26125 N. Riverwoods Blvd., Mettawa, Illinois, 60045, United States of America ~72: CHRISTOPHER M VARGA;DENNIS WHITE;RYAN G REDFORD;THOMAS DILLINGHAM~ 33:US ~31:62/712,933 ~32:31/07/2018;33:US ~31:62/773,820 ~32:30/11/2018

2023/00842 ~ Complete ~54:DIESTER COSMETIC FORMULATIONS AND USES THEREOF ~71:Chembeau LLC, 1482 East Valley Road #205, SANTA BARBARA 93108, CA, USA, United States of America ~72: PRESSLY, Eric D.~ 33:US ~31:63/054,496 ~32:21/07/2020

2023/00846 ~ Complete ~54:GENERATING AN ADJUSTMENT ENERGY-EFFICIENT TRACK FOR A VEHICLE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021115767 ~32:01/06/2021

2023/00812 ~ Complete ~54:THE INVENTION RELATED TO PRIMER SET, KIT AND IDENTIFICATION METHOD OF FEMALE DEER PRODUCT PROVENANCE ~71:CHINA JILIANG UNIVERSITY, No. 258 Xueyuan Street, Xiasha Higher Education Park, Hangzhou, Zhejiang Province, 310018, People's Republic of China;ZHOSHAN INSTITUTE OF FOOD AND DRUG INSPECTION AND TESTING, No. 49 Honglu Avenue, Beichan Xingang Development Region, Dinghai District, Zhoushan, Zhejiang Province, 316012, People's Republic of China ~72: CHEN, Xiang;GE, Jian;GUAN, Feng;HUANG, Zhuliang;ZHAO, Qiaoling;ZHOU, Yong~

2023/00830 ~ Complete ~54:METHODS AND COMPOSITIONS TO GRAFT BONE USING IRON EXCIPIENTS ~71:ZETAGEN THERAPEUTICS, INC., 841 E Fayette St., Ste. 1100, Syracuse, New York, 13210, United States of America ~72: BRYAN S MARGULIES;NIKHIL A THAKUR~ 33:US ~31:63/053,277 ~32:17/07/2020

2023/00832 ~ Complete ~54:FLUOROMETER CALIBRATION DEVICE AND METHOD ~71:BUCKMAN LABORATORIES INTERNATIONAL, INC., 1256 North McLean Boulevard, United States of America ~72: GAO, Xin;KOUZNETSOV, Dimitri;MCNEEL, Thomas;PAIK, Daniel;QIU, Ke;WILLER, Michael;YANG, Shunong~ 33:US ~31:63/051,198 ~32:13/07/2020

2023/00834 ~ Complete ~54:ANTI-T CELL ANTIGEN-BINDING MOLECULE FOR USE IN COMBINATION WITH ANGIOGENESIS INHIBITOR ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: KAWAI, Yumiko;SANO, Yuji;TANAKA, Takayoshi~ 33:JP ~31:2020-106501 ~32:19/06/2020

2023/00839 ~ Complete ~54:CONSUMABLE FOR AN AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: HOLFORD, Steven;LEAH, Thomas~ 33:GB ~31:2011953.3 ~32:31/07/2020

2023/00841 ~ Complete ~54:SELECTING RESINS FOR USE IN CHROMATOGRAPHY PURIFICATION PROCESSES ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: COUFAL, Myra;NOGUERAS, Hector;SOTO-ORTEGA, Deborah~ 33:US ~31:63/058,050 ~32:29/07/2020

2023/00848 ~ Complete ~54:DEVICE FOR GENERATING A GRAPHICAL USER INTERFACE AND A SYSTEM FOR GENERATING A GRAPHICAL USER INTERFACE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021113776 ~32:14/05/2021

2023/00849 ~ Complete ~54:MOTOR VEHICLE WITH A COMPUTER DEVICE FOR GENERATING A GRAPHICAL USER INTERFACE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021113777 ~32:14/05/2021

2023/00785 ~ Complete ~54:HYDRONOPYL GEMINI QUATERNARY AMMONIUM SALT CONTAINING RIGID HYDROCARBON CHAIN LINKING GROUP, SYNTHESIS METHOD, APPLICATION AND ANTIBACTERIAL AGENT THEREOF ~71:Jiangxi Agricultural University, No. 1101, Zhimin Street, Economic & Technological Development Zone, Nanchang City, Jiangxi Province, People's Republic of China ~72: Guorong FAN;Hai LUO;Ji ZHANG;Lu HE;Peng WANG;Shangxing CHEN;Shengliang LIAO;Zongde WANG~

2023/00805 ~ Complete ~54:DRILL SUPPORT ~71:DDT MECHANISED MINING SERVICE (PTY) LTD, 34 Panners Lane, 2 Humewood Links, River Club, South Africa ~72: VAN NIEKERK, DENNIS~

2023/00806 ~ Complete ~54:HERBAL DRUG FOR TREATING CANCER AND DIABETES ~71:Dr. Manasa Rekha Mekkanti, OF: Pharm.D, RPh,(Ph.D),FSASS., Associate Professor, Department of Pharmacy Practice, Gautham College of Pharmacy, Kanaka Nagar 4th Cross, Bhuvaneshwari Nagar, RT Nagar Post, Bangalore, Karnataka, 560032, India;Mr. Md. Hassain Majid Khan, B Pharmacy Gautham College of Pharmacy, Kanaka Nagar 4th Cross, Bhuvaneshwari Nagar, RT Nagar Post, Bangalore, Karnataka, 560032, India;Mr. Sanjay Kumar Sharma, Lecturer Navaneetham College of Pharmacy, Bangalore, Karnataka, 560032, India;Mr. Soumitra Das, National head for Sales, Marketing, Kosmoderma Health Care PVT LTD, Bangalore, Karnataka, 560064, India;Mrs. Deepthi Swapna PR, Associate Professor, Department of Pharmaceutics, Aditya Bangalore Institute of Pharmacy Education and Research, 12, Kogilu Main Road, Yelahanka, Bangalore, Karnataka, 560064, India;Mrs. Neelaphar Pydala, M.Pharm,(Ph.D)., Associate Professor, Department of Pharmacy Practice, Aditya Bangalore Institute of Pharmacy Education and Research, 12, Kogilu Main Road, Yelahanka, Bangalore, Karnataka, 560064, India;Mrs. Seema KuberaSetty, B.Pharm, M.Pharmacy (Pharmacology), Assistant Professor, Department of Pharmacology, Aditya Bangalore Institute of Pharmacy Education and Research, 12,Kogilu Main Road, Yelahanka, Bangalore, Karnataka, 560064, India ~72: Dr. Manasa Rekha Mekkanti;Mr. Md. Hassain Majid Khan;Mr. Sanjay Kumar Sharma;Mr. Soumitra Das;Mrs. Deepthi Swapna PR;Mrs. Neelaphar Pydala;Mrs. Seema KuberaSetty~

2023/00804 ~ Complete ~54:BISPECIFIC ANTIBODY CONSTRUCT DIRECTED TO MUC17 AND CD3 ~71:Amgen Inc., One Amgen Center Drive, Thousand Oaks, California 91320-1799, USA, United States of America;Amgen Research (Munich) GmbH, Staffelseestrasse 2, MUNICH 81477, GERMANY, Germany ~72: ARVEDSON, Tara;BAILIS, Julie;BL&#220;MEL, Claudia;CHEN, Irwin;DAHLHOFF, Christoph;NAHRWOLD, Elisabeth;PENDZIALEK, Jochen;RAUM, Tobias;ROSS, Sandra;WAHI, Joachim~ 33:US ~31:62/612,242 ~32:29/12/2017;33:US ~31:62/687,063 ~32:19/06/2018

2023/00807 ~ Complete ~54:EXTRACTION OF BACTERIOCINS FROM LACTIC ACID BACTERIA ~71:Shaanxi Yirui Kang Biotechnology Co., Ltd, No. 109, Area A, Zhonghan Industrial Park, Gaoke 3rd Road, High-tech Industrial Development Zone, Xianyang City, Shaanxi Province, People's Republic of China ~72: Hou Ruiqi~

2023/00809 ~ Complete ~54:BUILD STRUCTURE REINFORCING DEVICE ~71:Yancheng Polytechnic college, No.285 Jiefang South Road, Kecheng Street, Yandu District, Yancheng City, 224000, People's Republic of China ~72: Jiang Sicheng~

2023/00811 ~ Complete ~54:BENEFICIAL BACTERIA CULTURE MEDIA AND CULTURE METHODS, USES ~71:Shaanxi Yirui Kang Biotechnology Co., Ltd, No. 109, Area A, Zhonghan Industrial Park, Gaoke 3rd Road, High-tech Industrial Development Zone, Xianyang City, Shaanxi Province, People's Republic of China ~72: Hou Ruiqi~

2023/00818 ~ Complete ~54:POSTOPERATIVE COMPRESSION HEMOSTASIS DEVICE FOR INTERVENTIONAL THERAPY FOR LIVER CANCER ~71:SECOND AFFILIATED HOSPITAL OF NANCHANG UNIVERSITY, No. 1 Minde Road, Donghu District, Nanchang City, Jiangxi Province, 330008, People's Republic of China ~72: Kuiyuan LAI;Rongfa YUAN;Rui SUN;Xuliang HU;Zhimeng CHEN~

2023/00822 ~ Complete ~54:METHODS FOR THE USE OF A PD-1 X CTLA-4 BISPECIFIC MOLECULE ~71:MACROGENICS, INC., 9704 Medical Center Drive, United States of America ~72: Alexey Yevgenyevich BEREZHNOY;Bradley James SUMROW;Ezio BONVINI;Jon Marc WIGGINTON;Sharad SHARMA~ 33:US ~31:63/057,054 ~32:27/07/2020;33:US ~31:63/177,036 ~32:20/04/2021;33:US ~31:63/219,066 ~32:07/07/2021

2023/00828 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DAVID CHRISTOPHER THORLEY;DAVID STEPHEN GRAINGER;PAUL SIMON STEVENSON;UYAI IKPATT~ 33:EP ~31:20193319.9 ~32:28/08/2020

2023/00835 ~ Complete ~54:DEVICE AND METHOD FOR INSPECTING CONTAINERS IN A CLEANING FACILITY ~71:Sidel Participations, Avenue de la Patrouille de France, OCTEVILLE-SUR-MER 76930, FRANCE, France ~72: WAELDIN, Jean-Claude~ 33:FR ~31:2007605 ~32:20/07/2020

2023/00845 ~ Complete ~54:MOTOR VEHICLE WITH A COMPUTER DEVICE ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021114622 ~32:24/05/2021

2023/00815 ~ Complete ~54:NON-STANDING TYPE TUNNEL MORPHOLOGY RECONSTRUCTION SYSTEM AND METHOD ~71:CENTRAL SOUTH UNIVERSITY, 932 Lushan S Rd, Yuelu District, Changsha, Hunan, 410017, People's Republic of China;CHINA RAILWAY 14TH BUREAU GROUP OF THE TUNNEL ENGINEERING CO., LTD., No. 1 Heping Road, Lixia District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: DENG, Kai;HU, Gang;LIN, Laikuang;MA, Yingbo;WU, Dun;XIA, Yimin;ZHANG, Hongru;ZHU, Yao~ 33:CN ~31:202210455241.X ~32:24/04/2022

2023/00817 ~ Complete ~54:A METHOD OF PRESERVING PROBIOTICS ~71:Shaanxi Yirui Kang Biotechnology Co., Ltd, No. 109, Area A, Zhonghan Industrial Park, Gaoke 3rd Road, High-tech Industrial Development Zone, Xianyang City, Shaanxi Province, People's Republic of China ~72: Hou Ruiqi~

2023/00819 ~ Complete ~54:MICROBIOLOGICAL SANITIZATION AND AIR PURIFICATION SYSTEM FOR HVAC SYSTEM OF A RAILWAY VEHICLE ~71:STE-SANITIZING TECHNOLOGIES AND EQUIPMENTS S.R.L., Via Roma 87, Italy ~72: ALIANO, Mattia Paolo;TORRESAN, Giuseppe~ 33:IT ~31:102020000011512 ~32:19/05/2020



2023/00825 ~ Complete ~54:PROCESS AND METHOD FOR PRODUCING CRYSTALLIZED METAL SULFATES  
~71:HATCH LTD, 2800 Speakman Drive, Mississauga, Ontario, L5K 2R7, Canada ~72: EVANGELOS  
STAMATIOU;HENRY CHRISTIAN IMMO VON SCHROETER;MAHMOOD ALEMRAJABI;MARK JOSEPH  
MACHADO;ROBERT JOHN FRASER~ 33:US ~31:63/050,191 ~32:10/07/2020

2023/00826 ~ Complete ~54:PYRAZOLOPYRIMIDINE COMPOUND USED AS ATR KINASE INHIBITOR  
~71:BEIJING TIDE PHARMACEUTICAL CO., LTD., No.8 East Rongjing Street, BDA, Beijing, 100176, People's  
Republic of China ~72: BIN LIU;CHEUNG LING CHENG;CHUANGCHUANG HUANG;HONGJUN  
WANG;HUIFEN XU;JING LI;WEINA LIU;WEITING ZHONG;YANPING ZHAO~ 33:CN ~31:202010669088.1  
~32:13/07/2020;33:CN ~31:202011163505.1 ~32:27/10/2020

2023/00831 ~ Complete ~54:SOLVENT COMPOSITIONS PROMOTING PLANT GROWTH ~71:WINFIELD  
SOLUTIONS, LLC, 4001 Lexington Ave. N, Arden Hills, Minnesota, 55126, United States of America ~72: CLIFF  
WATRIN;DUSTYN SAWALL;LEE BOLES;SHELBY STARK~ 33:US ~31:16/936,192 ~32:22/07/2020

2023/00833 ~ Complete ~54:CRYSTALLINE PPAR-DELTA AGONIST ~71:RENEO PHARMACEUTICALS, INC.,  
18575 Jamboree Road, Suite 275-S, United States of America ~72: BALOGH, Cristina;DEL RIO GANCEDO,  
Susana;FEEDER, Neil;LEE, Rachael;MACRAE, Julie;SHARP, Emma;SULEIMAN, Osama~ 33:US  
~31:63/055,235 ~32:22/07/2020;33:US ~31:63/118,431 ~32:25/11/2020

2023/00836 ~ Complete ~54:FUNGICIDAL COMPOSITION ~71:UPL Corporation Limited, 5th Floor, Newport  
Building, Louis Pasteur Street, PORT LOUIS, MAURITIUS, Mauritius;UPL Europe Ltd., The Centre, 1st Floor,  
Birchwood Park, WARRINGTON WA3 6YN, CHESHIRE, UNITED KINGDOM, United Kingdom ~72: MCCREA,  
Trent;SCHILLING, Brian~ 33:CA ~31:3,087,467 ~32:21/07/2020;33:US ~31:63/054,573 ~32:21/07/2020

2023/00838 ~ Complete ~54:FORMULATIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL  
4058, SWITZERLAND, Switzerland ~72: MILN, Colin Douglas;WILLIARD, Elizabeth Gray~ 33:US  
~31:63/059,283 ~32:31/07/2020

2023/00851 ~ Provisional ~54:ENERGY TRADE AND MARKET SERVICES ~71:MUE (Modern Use of Energy),  
2686 Boschoek Street, Ratanda, South Africa ~72: Kamohelo Mofokeng;Skhumbuzo Shiba~

2023/00935 ~ Provisional ~54:LICENCE GUILLOTINE ~71:DENNIS VAN NIEKERK, , South Africa;DIANE VAN  
NIEKERK, , South Africa;DIRK THEODORIS BISSCHOFF, 25 CRESCENDO LANE, 36 WINDSOR WAY,  
OLIVEDALE, South Africa;VANESSA ELIZABETH BISSCHOFF, , South Africa ~72: DENNIS VAN NIEKERK  
;DIANE VAN NIEKERK;DIRK THEODORIS BISSCHOFF;VANESSA ELIZABETH BISSCHOFF~

2023/00794 ~ Complete ~54:METHOD AND SYSTEM FOR CALCULATING THE VERTICAL BEARING  
CAPACITY OF PIPE PILE BASED ON BIG DATA ANALYSIS ~71:Gong Xun Technology (ShenZhen) Co., Ltd,  
Building B, 11 Zhongxing Road, Maantang Community, Bantian Street, Longgang District, Shenzhen, Guangdong  
Province, 518100, People's Republic of China;Guangzhou Building Science Institute Group Co. Ltd, 833 Baiyun  
Avenue North, Baiyun District, Guangzhou City, Guangdong Province, 510080, People's Republic of  
China;Guangzhou University, 230 Wai Huan Xi Road, Guangzhou Higher Education Mega Center, Panyu District,  
Guangzhou City, Guangdong Province, 510006, People's Republic of China;Henan Capital Construction Science  
Experiment Institute Co., Ltd, 10 Jingbeiyi Road, Economic and Technological Development District, Zhengzhou  
City, Henan Province, 450016, People's Republic of China ~72: Chen Rongbao;Gao Ce;Hu Hesong;Wang  
Yahui;Xu Yong;Yu Zhiwei;Zhang Aijun;Zhang Jichao;Zhang Jingyu;Zhang Yan~

2023/00796 ~ Complete ~54:CAMPUS TEACHING DEVICE APPLIED TO VIRTUAL SIMULATION ~71:XUZHOU  
COLLEGE OF INDUSTRIAL TECHNOLOGY, No.1, Xiangwang Road, Gulou District, Xuzhou City, Jiangsu  
Province, People's Republic of China ~72: LIU Daoguang~

2023/00799 ~ Complete ~54:DETECTION EQUIPMENT IN THE BIG DATA ANALYSIS-BASED PIPE PILE BEARING CAPACITY DETECTION EXPERIMENT ~71:Guangzhou University, 230 Wai Huan Xi Road, Guangzhou Higher Education Mega Center, Panyu District, Guangzhou City, Guangdong Province, 510006, People's Republic of China;Henan Capital Construction Science Experiment Institute Co., Ltd, 10 Jingbeiyi Road, Economic and Technological Development District, Zhengzhou City, Henan Province, 450016, People's Republic of China;Henan University of Engineering, 1 Xianghe Road, Longhu town, Xinzheng City, Henan Province, 451191, People's Republic of China;Shenzhen Digital Construction Technology Co., Ltd, 11 Zhongxing Road, Maantang Community, Bantian Street,, Longgang District, Shenzhen, Guangdong Province, 518100, People's Republic of China ~72: Chen Rongbao;Duan Jingmin;Wang Yahui;Xu Yong;Yang Zhiwei;Zhang Jichao;Zhang Yan;Zhang Yin;Zhu Wenzheng;Zou Zhaohui~

2023/00802 ~ Complete ~54:METHOD FOR RAPID DETECTION OF T-2 TOXIN IN FOOD BASED ON DNA HYDROGEL ~71:ACADEMY OF MEDICAL ENGINEERING AND TRANSLATIONAL MEDICINE, TIANJIN UNIVERSITY, No. 92 Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China;TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.1038 Dagu South Road, Hexi District, Tianjin, 300457, People's Republic of China ~72: JUN LIANG;LIQUN CHEN;SHUANG LI;YUNFENG SUN~

2023/00803 ~ Complete ~54:METHOD FOR DETERMINATION OF OFL IN MILK BY AL3+ AND ATP SYNERGISTIC SENSITIZATION FLUORESCENCE ~71:ACADEMY OF MEDICAL ENGINEERING AND TRANSLATIONAL MEDICINE, TIANJIN UNIVERSITY, No. 92 Weijin Road, Nankai District, Tianjin, 300072, People's Republic of China;TIANJIN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.1038 Dagu South Road, Hexi District, Tianjin, 300457, People's Republic of China ~72: LIQUN CHEN;SHUANG LI;WEI SHENG;XIAOXIAO LIN~

2023/00808 ~ Complete ~54:A FA-CS-DS-NANOPARTICLES COMPOSITION AND ITS SYNTHESIZING PROCESS THEREOF ~71:Dr. Manish Sudesh Bhatia, Department of Pharmaceutical Chemistry, Bharati Vidyapeeth College of Pharmacy, Kolhapur, Maharashtra, 416013, India;Dr. Smita Tukaram Kumbhar, Department of Pharmaceutical Analysis, D. S. T. S. Mandal's College of Pharmacy, Jule Solapur-1, Solapur, Maharashtra, 413004, India ~72: Dr. Manish Sudesh Bhatia;Dr. Smita Tukaram Kumbhar~

2023/00810 ~ Complete ~54:A METHOD FOR SEGMENTING TUMOR AREA OF CLEAR CELL RENAL CELL CARCINOMA PATHOLOGICAL IMAGE BASED ON ARTIFICIAL INTELLIGENCE ~71:WUXI SECOND PEOPLE'S HOSPITAL, No. 68 Zhongshan Road, Liangxi District, Wuxi City, Jiangsu Province, 214002, People's Republic of China ~72: FENG, Ninghan;FENG, Yangkun;JIANG, Peng;SU, Jinzhu;TANG, Hong;WANG, Yang;YU, Guanzhen~

2023/00814 ~ Complete ~54:AI RECOGNITION SPORT TRACK DATA ANALYSIS METHOD AND SYSTEM ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Cai Shikai;Chen Wei~

2023/00823 ~ Complete ~54:TOPICAL FORMULATIONS OF (1S)-1-PHENYL-2-PYRIDIN-2-YLETHANAMINE ~71:BIOHAVEN THERAPEUTICS LTD., 215 Church Street, New Haven, Connecticut, United States of America ~72: BERMAN, Robert;CONWAY, Charles M;DONOHUE, Mary K;KUMAR, Rajesh;REKA, Ajaya Kumar~ 33:US ~31:63/043,075 ~32:23/06/2020

2023/00843 ~ Complete ~54:SYSTEM FOR GENERATING AN ENERGY-EFFICIENT TRACK VEHICLE IN MOTION ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021114621 ~32:24/05/2021

2023/00788 ~ Complete ~54:MALANIA OLEIFERA SHELL PEELING DEVICE ~71:EXPERIMENTAL CENTER OF TROPICAL FORESTRY CHINESE ACADEMY OF FORESTRY, 201 Keyuan Road, Pingxiang City, Guangxi Zhuang Autonomous Region, People's Republic of China ~72: CHEN Honghui;DUAN Runmei;FU Hao;LI Hongguo;LIU Guangjin;ZHOU Bingjiang~

2023/00792 ~ Complete ~54:METHOD FOR RESTORING VEGETATION OF DESERT RIPARIAN FOREST IN ARID AREAS ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY,CHINESE ACADEMY OF SCIENCES, No.305, Science Second Street, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: FU Aihong;LI Weihong~

2023/00793 ~ Complete ~54:SOIL REMEDIATION METHOD OF DESERT RIPARIAN FOREST IN ARID AREAS ~71:XINJIANG INSTITUTE OF ECOLOGY AND GEOGRAPHY,CHINESE ACADEMY OF SCIENCES, No.305, Science Second Street, Xinshi District, Urumqi, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: FU Aihong;LI Weihong~

2023/00797 ~ Complete ~54:COMPOUND COMPOSITION OF PROPAMIDINE AND HINOKITOL, FUNGICIDE AND APPLICATION THEREOF ~71:NORTHWEST A&F UNIVERSITY, No.3, Taicheng Road, Yangling District, Xianyang City, Shaanxi Province, People's Republic of China ~72: CAI Chonglin;CHEN Guangyou;FENG Juntao;MA Zhiqing;WANG Yong;WU Hua;YAN He~

2023/00798 ~ Complete ~54:CALIBRATION DEVICE FOR THE DATA COLLECTION AND DETECTION EQUIPMENT OF THE PIPE PILE BEARING CAPACITY DATABASE ~71:Guangzhou Building Science Institute Group Co. Ltd, 833 Baiyun Avenue North, Baiyun District, Guangzhou City, Guangdong Province, 510080, People's Republic of China;Guangzhou University, 230 Wai Huan Xi Road, Guangzhou Higher Education Mega Center, Panyu District, Guangzhou City, Guangdong Province, 510006, People's Republic of China;Henan Capital Construction Science Experiment Institute Co., Ltd, 10 Jingbeiyi Road, Economic and Technological Development District, Zhengzhou City, Henan Province, 450016, People's Republic of China;Huanghuai University, No.76 Kaiyuan Avenue, Zhumadian City, Henan Province, 463000, People's Republic of China;Shenzhen Jisuan Technology Co., Ltd, 7 Qingshuihe 3rd Road, Luohu District, Shenzhen City, Guangdong Province, 518001, People's Republic of China ~72: Bao Wei;Chen Rongbao;Li Chuanmin;Piao Zhandong;Qiao Shengfang;Wang Yahui;Xu Yong;Yang Delei;Yu Zhiwei;Zhang Chao;Zhang Jichao~

2023/00847 ~ Complete ~54:METHOD FOR GENERATING A GRAPHICAL USER INTERFACE AND A NON-TRANSITORY COMPUTER-READABLE MEDIUM ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021113775 ~32:14/05/2021

2023/00816 ~ Complete ~54:DOUBLE-WEDGE LOCKING SWINGING TYPE HOB HOLDER ~71:CENTRAL SOUTH UNIVERSITY, 932 Lushan S Rd, Yuelu District, Changsha, Hunan, 410017, People's Republic of China;CHINA RAILWAY 14TH BUREAU GROUP OF THE TUNNEL ENGINEERING CO., LTD., No. 1 Heping Road, Lixia District, Jinan City, Shandong Province, 250000, People's Republic of China ~72: FU, Jie;LI, Ruiling;LIN, Laikuang;LIU, Ke;WU, Dun;XIAO, Jing;YANG, Mei~ 33:CN ~31:202211346915.9CN ~32:31/10/2022

2023/00820 ~ Complete ~54:METHOD FOR PRODUCING METAL AND/OR METALLOID COMPOUNDS IN AN IONIC LIQUID ~71:NANOMOX LTD, Kemp House, 152-160 City Road, United Kingdom ~72: CAMPBELL, Kyra Lauren Sedransk;HALLETT, Jason Patrick;MALARET, Francisco~ 33:GB ~31:2009470.2 ~32:22/06/2020

2023/00821 ~ Complete ~54:USE OF A DHODH INHIBITOR COMPOUND IN COMBINATION CANCER THERAPY ~71:LES LABORATOIRES SERVIER, 50 RUE CARNOT, 92284 SURESNES CEDEX, FRANCE, France ~72: COCO, John;MURTIE, Joshua;ULANET, Danielle~ 33:US ~31:63/043,350 ~32:24/06/2020

2023/00840 ~ Complete ~54:ARTICLE FOR USE IN A NON-COMBUSTIBLE AEROSOL PROVISION SYSTEM ~71:Nicoventures Trading Limited, 1 Water Street, Globe House, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DIMMICK, Barry~ 33:GB ~31:2011987.1 ~32:31/07/2020

2023/00844 ~ Complete ~54:DEVICE FOR GENERATING AN ENERGY-EFFICIENT TRACK FOR A VEHICLE IN OPERATION MOVING ALONG A HIGHWAY ~71:"OMNICOMM ONLINE" LIMITED LIABILITY COMPANY, Ul. Butyrskiy Val, D. 68/70, Str. 1, ET 4 KOM 97, Moscow, 127055, Russian Federation ~72: PANKOV, Boris Valerevich~ 33:RU ~31:2021114618 ~32:24/05/2021

2023/00813 ~ Complete ~54:A METHOD FOR IDENTIFYING ELECTRICAL METERS IN SUBSTATIONS BASED ON PANET NETWORK AND PRIOR KNOWLEDGE ~71:SHANGHAI JIAO TONG UNIVERSITY, No. 800 Dongchuan Road, Minhang District, Shanghai, 200240, People's Republic of China ~72: JIANG, Xiuchen;LI, Yaocheng;LI, Zhe;LIU, Yadong;SHENG, Gehao;XU, Yongpeng;YAN, Yingjie~

2023/00824 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING OBSESSIVE-COMPULSIVE DISORDER ~71:BIOHAVEN THERAPEUTICS LTD., 215 Church Street, New Haven, Connecticut, United States of America ~72: AGUIAR, Loren;BERMAN, Robert;CORIC, Vladimir~ 33:US ~31:63/043,681 ~32:24/06/2020

2023/00827 ~ Complete ~54:ROTARY FEED-THROUGH, IN PARTICULAR FOR REGULATING TYRE PRESSURE ~71:TRELLEBORG WHEEL SYSTEMS ITALIA S.P.A., Via Nazionale Tiburtina, 143, 00019, Tivoli - Villa Adriana (RM), Italy ~72: ANDREA EVANGELISTI;ENRICO PIERALICE~ 33:IT ~31:102020000019774 ~32:07/08/2020

2023/00829 ~ Complete ~54:MAGNETIC ADAPTOR FOR MACHINE MONITORING DEVICE ~71:CORNELL PUMP COMPANY LLC, 16261 Southeast 130th Avenue, Clackamas, Oregon, 97015, United States of America ~72: ADAM LINDEMAN;BJ WARREN;COLIN O'CALLAGHAN~ 33:US ~31:63/058,880 ~32:30/07/2020

2023/00837 ~ Complete ~54:THERAPEUTIC ANTIBODIES AND THEIR USES ~71:Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: APGAR, James Reasoner;HOOPER, Andrea Therese;NOCULA-LUGOWSKA, Malgorzata Agnieszka;WU, Lei~ 33:US ~31:63/053,243 ~32:17/07/2020

2023/00784 ~ Provisional ~54:USER VERIFICATION AND CYBER SECURITY PROTOCOL ~71:BPI SOLUTIONS MANAGEMENT (PTY) LTD, SPRINGFIELD ESTATE 08, 07 SAUVIGNON ROAD, BURGUNDY ESTATE, MILNERTON 7441, CAPE TOWN, South Africa ~72: COETZEE, Johan, Louw~

2023/00786 ~ Complete ~54:BUILDING DIGITAL MODEL CONSTRUCTION SYSTEM BASED ON DIGITAL TWIN TECHNOLOGY ~71:Guangzhou City Polytechnic, NO. 248 Guangyuan Middle Road, Baiyun District, Guangzhou City, Guangdong Province, People's Republic of China ~72: LIAO Xiaobo~

2023/00795 ~ Complete ~54:DATABASE-BASED PILE BEARING CAPACITY CALCULATION SYSTEM BASED ~71:Gong Xun Technology (ShenZhen) Co., Ltd, Building B, 11 Zhongxing Road, Maantang Community, Bantian Street, Longgang District, Shenzhen, Guangdong Province, 518100, People's Republic of China;Guangzhou Building Science Institute Group Co. Ltd, 833 Baiyun Avenue North, Baiyun District, Guangzhou City, Guangdong Province, 510080, People's Republic of China;Guangzhou Panyu Polytechnic, 1342 Shiliang road, Shawan town, Panyu District, Guangzhou City, Guangdong Province, 511483, People's Republic of China;Guangzhou University, 230 Wai Huan Xi Road, Guangzhou Higher Education Mega Center, Panyu District, Guangzhou City, Guangdong Province, 510006, People's Republic of China;Henan Capital Construction Science Experiment Institute Co., Ltd, 10 Jingbeiyi Road, Economic and Technological Development District, Zhengzhou City, Henan Province, 450016, People's Republic of China ~72: Bao Wei;Chen Hang;Chen Rongbao;Gao Ce;Wang Yahui;Xin Baiqing;Xu Yong;Ye Wen;Zhang Aijun;Zhang Chao;Zhang Jichao;Zhang Xuesong~

2023/00801 ~ Complete ~54:ANTISTATIC ADDITIVE ~71:GUANGRAO KERUI BIOTECHNOLOGY CO., LTD., No 28 Guanrui Road, Guangrao County Economic Development Zone, Dongying City, Shandong Province, People's Republic of China ~72: GUANGHAI SUN;HANFANG BAO;JUNJIE ZHOU;ZHENGUANG LIU~

2023/00790 ~ Complete ~54:REINFORCE STRUCTURE AND METHOD FOR CONCRETE FLOOR SLAB ~71:ANHUI JIANZHU UNIVERSITY, No. 292, Ziyun Road, Economic and Technological Development Zone, Hefei City, Anhui Province, People's Republic of China ~72: CHEN Xudong;FANG Gaoni~

- APPLIED ON 2023/01/19 -

2023/00853 ~ Complete ~54:GAS SENSOR CALIBRATION DEVICE AND ITS CALIBRATION METHOD ~71:TAIYUAN UNIVERSITY OF TECHNOLOGY, No. 79, Yingze West Street, Taiyuan, People's Republic of China ~72: CUI Chuanbo;JIAO Zhipeng;LI Jiangjiang;SONG Zhiqiang;YUAN Yanwei;ZHOU Yuying~

2023/00859 ~ Complete ~54:APPLICATION OF METHIONINASE GENE THERAPY IN TREATMENT OF MALIGNANT TUMOR ~71:GUANGZHOU SINOGEN PHARMACEUTICAL CO., LTD, Room 101, Building C5, No.11 Kaiyuan Avenue, Huangpu District, Guangzhou, Guangdong, 510530, People's Republic of China ~72: ALLAN ZIJIAN ZHAO;FANGHONG LI;SUJIN ZHOU;YUYU LI;ZHENGANG ZHAO~ 33:CN ~31:202010591468.8 ~32:24/06/2020

2023/00865 ~ Complete ~54:ANTI-ABETA ANTIBODIES ~71:OTHAIR PROTHENA LIMITED, 77 Sir John Rogerson's Quay Block C, Grand Canal Docklands, Ireland ~72: BARBOUR, Robin;BARD, Fr&#233;d&#233;rique;GOVINDARAJAN, Sridhar;NIJJAR, Tarlochan S.;PURCELL, Tom;SKOV, Michael;WELCH, Mark;ZAGO, Wagner~ 33:US ~31:63/055,813 ~32:23/07/2020;33:US ~31:63/086,589 ~32:01/10/2020;33:US ~31:63/187,379 ~32:11/05/2021;33:US ~31:63/219,611 ~32:08/07/2021

2023/00876 ~ Complete ~54:INHIBITORS OF COMPLEMENT FACTORS AND USES THEREOF ~71:Annexon, Inc., 1400 Sierra Point Parkway,, Building C, 2nd Floor, BRISBANE 94005, CA, USA, United States of America ~72: ARTIS, Dean R.;BEATO, Claudia;DI GUGLIELMO Bruno;LESLIE, Colin Philip;MILEO, Luca Biagio;PADRONI, Chiara;SORANA, Federico~ 33:US ~31:63/054,064 ~32:20/07/2020

2023/00861 ~ Complete ~54:MULTI-TEMPERATURE HEAT PUMP FOR THERMAL ENERGY STORAGE ~71:PHOTON VAULT LLC, 1448 Asterbell Dr, San Ramon, California, 94582, United States of America ~72: KENTWELL LEE MCCORMICK~ 33:US ~31:16/928,352 ~32:14/07/2020

2023/00863 ~ Complete ~54:COMPOSITIONS AND METHODS FOR ENHANCING RESISTANCE TO NORTHERN LEAF BLIGHT IN MAIZE ~71:E. I. DU PONT DE NEMOURS AND COMPANY, 974 Centre Road, P0 Box 2915, Wilmington, Delaware 19805, United States of America ~72: BAILIN LI;SHANE E ABBITT;SHAWN THATCHER;YURONG LI~ 33:US ~31:63/063,578 ~32:10/08/2020

2023/00873 ~ Complete ~54:COMBINATIONS OF GABAA ALPHA 5 AGONISTS AND SV2A INHIBITORS AND METHODS OF USING IN THE TREATMENT OF COGNITIVE IMPAIRMENT ~71:AgeneBio, Inc., 1340 Smith Avenue, Suite 200, BALTIMORE 21209, MD, USA, United States of America ~72: GALLAGHER, Michela;ROSENZWEIG-LIPSON, Sharon~ 33:US ~31:63/050,730 ~32:10/07/2020

2023/00852 ~ Complete ~54:SCREENING FOR PLANTS AND HERBS THAT OFFER DNA PROTECTIVE EFFECT AGAINST METOSARTAN ~71:Dr. Eswari Beeram, Assistant Professor, Department of Chemical Sciences, Sree Vidyanikethan Degree College, A. Rangampet, Tirupathi, Andhra Pradesh, 517102, India ~72: Dr. Eswari Beeram~

2023/00862 ~ Complete ~54:FLT3 LIGAND FUSION PROTEINS AND METHODS OF USE ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080-4990, United States of America ~72: CHRISTINE CARINE MOUSSION;CHRISTOPHER CHARLES KEMBALL;GREGORY ALAN LAZAR;IRAJ HOSSEINI;JILL M SCHATNER;SIVAN COHEN;TRAVIS WILLIAM BAINBRIDGE;YICHIN LIU~ 33:US ~31:63/062,713 ~32:07/08/2020

2023/00868 ~ Complete ~54:TRIALKYL SULFONIUM CHLORIDES AS FUNGICIDES ~71:HELM AG, Nordkanalstrasse 28, HAMBURG 20097, GERMANY, Germany;University of Exeter, Northcote House, The Queen's Drive, EXETER EX4 4QJ, DEVON, UNITED KINGDOM, United Kingdom ~72: GURR, Sarah;NESS, Winfried;NIENDORF, Johann-Christian;RAMINHOS, Henrique;STEINBERG, Gero;STROOT, J&#246;rg~ 33:EP ~31:20199746.7 ~32:02/10/2020;33:EP ~31:20199747.5 ~32:02/10/2020

2023/00874 ~ Complete ~54:POLY(AMINE-CO-ESTER) POLYMERIC PARTICLES FOR SELECTIVE PULMONARY DELIVERY ~71:Yale University, Two Whitney Avenue, NEW HAVEN 06510, CT, USA, United States of America ~72: GREIF, Daniel;KAUFFMAN, Amy;NTOKOU, Aglaia;SALTZMAN, W. Mark~ 33:US ~31:63/057,626 ~32:28/07/2020;33:US ~31:17/332,175 ~32:27/05/2021

2023/00877 ~ Complete ~54:PIPE GROOVING DEVICE ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, United States of America ~72: DOLE, Douglas R.~ 33:US ~31:17/030,418 ~32:24/09/2020

2023/00855 ~ Complete ~54:A SMART WORK STATION WITH DETACHABLE FOLDING AND UNFOLDING ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Dr. Tarlochan Singh;Mandeep Singh;Piyush Kumar Harichandan~ 33:IN ~31:202211031833 ~32:03/06/2022

2023/00857 ~ Complete ~54:AIR TREATMENT SYSTEMS AND METHODS ~71:DUSMIT LTD, 240 HASHIKMA STREET, 7687500 KFAR HANAGID, ISRAEL, Israel ~72: NIDAM, Ofer~ 33:US ~31:63/043,134 ~32:24/06/2020;33:US ~31:63/043,140 ~32:24/06/2020;33:US ~31:63/043,141 ~32:24/06/2020;33:US ~31:63/064,973 ~32:13/08/2020;33:US ~31:63/093,217 ~32:18/10/2020

2023/00867 ~ Complete ~54:IL-10 MUTEINS AND FUSION PROTEINS THEREOF ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: CAMDERE TAPIA, Gamze Ozlem;FOLTZ, Ian;HSU, Hailing;LUNA, Victor Mitch;MOCK, Marissa;RILEY, Timothy P.;WANNBERG, Sharon;ZHANG, Ming~ 33:US ~31:63/045,041 ~32:26/06/2020;33:US ~31:63/199,218 ~32:14/12/2020

2023/00870 ~ Complete ~54:BOTTOM CLOSURE OF REACTOR PRESSURE VESSEL AND PREPARATION METHOD THEREFOR ~71:East China University of Science and Technology, No.130 Meilong Road, Xuhui District, SHANGHAI 200237, CHINA (P.R.C.), People's Republic of China;Shanghai Nuclear Engineering Research & Design Institute Co., Ltd., No. 29 Hongcao Road, Xuhui District, SHANGHAI 200233, CHINA (P.R.C.), People's Republic of China ~72: HOU, Feng;JIAO, Ming;LIU, Runfa;LIU, Xiaoqiang;SHI, Zhilong;WANG, Hongchang;WANG, Shijie;WENG, Na;XU, Hong;XU, Peng;ZHANG, Li~ 33:CN ~31:202010738238.X ~32:28/07/2020

2023/00856 ~ Complete ~54:PREPARATION OF NOVEL GOLD AND SILVER EXTRACTION AGENT ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.579, Qianwangang Road, Huangdao District, Qingdao, Shandong, 266590, People's Republic of China ~72: CUI, Mingyao;LIU, Xiaoliang;LYU, Xianjun;ZHANG, Yan~ 33:CN ~31:CN202110530006.X ~32:14/05/2021

2023/00866 ~ Complete ~54:RAIL TRANSPORT OVER-UNDER BYPASS SYSTEM FOR CONVEYING BULK MATERIALS ~71:RAIL-VEYOR TECHNOLOGIES GLOBAL INC., 129 Fielding Road, Lively, Canada ~72: DAAVETILA, Luke Alan;FISK, James E;KANGAS, Carl Eric;MCCALL, William John (Deceased);PIETILA, Russell Matthew;WIITANEN, Tim Willard~ 33:US ~31:63/054,053 ~32:20/07/2020

2023/00871 ~ Complete ~54:COMPOSITE METAL CENTRIFUGAL SLURRY PUMP IMPELLER ~71:Weir Slurry Group, Inc., 2701 South Stoughton Road, MADISON 53716, WI, USA, United States of America ~72: ASADULLAH, Mohammed;BARTON, Matthew~ 33:US ~31:63/066,999 ~32:18/08/2020;33:AU ~31:2020903842 ~32:23/10/2020

2023/00854 ~ Complete ~54:INSULATING UNIT, DOOR, SIDEWALL AND CHILLER OR FREEZER DEVICE ~71:SCHOTT AG, Hattenbergstrasse 10, D-55122, Mainz, Germany ~72: JOCHEN DIEDERICH;MARTIN RAFAJ;MICHAELA RAKOWSKA;PIERRE-FRANCOIS SCOTTO~ 33:EP ~31:22156262.2 ~32:11/02/2022

2023/00858 ~ Complete ~54:A STRUCTURED CATALYST ~71:TOPSOE A/S, Haldor Tops&#248;es All&#233; 1, 2800, Kgs. Lyngby, Denmark ~72: ANDERS HELBO HANSEN;KASPER EMIL LARSEN;PETER M&#216;LGAARD MORTENSEN;SEBASTIAN THOR WISMANN~ 33:EP ~31:20187305.6 ~32:23/07/2020;33:EP ~31:21182132.7 ~32:28/06/2021

2023/00864 ~ Complete ~54:COMPOSITIONS OF DNA MOLECULES, METHODS OF MAKING THEREFOR, AND METHODS OF USE THEREOF ~71:ANJARIUM BIOSCIENCES AG, Wagistrasse 23, 8952 Schlieren, Switzerland ~72: JOEL DE BEER;LAVANIYA KUNALINGAM;MARCELLO CLERICI;MONIQUE MAURER;NICOLAS MEIER~ 33:US ~31:63/057,179 ~32:27/07/2020;33:US ~31:63/139,486 ~32:20/01/2021

2023/00869 ~ Complete ~54:HETEROCYCLIC COMPOUNDS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BENZ, Joerg;GRETHER, Uwe;HORNSPERGER, Benoit;KROLL, Carsten;KUHN, Bernd;MARTIN, Rainer E.;O&#39;HARA, Fionn;PUPELLMANN, Bernd;RICHTER, Hans;RITTER, Martin~ 33:EP ~31:20194318.0 ~32:03/09/2020

2023/00875 ~ Complete ~54:KAT6 INHIBITOR METHODS AND COMBINATIONS FOR CANCER TREATMENT ~71:CTxT Pty Ltd, 305 Grattan Street, Parkville, MELBOURNE 3000, VICTORIA, AUSTRALIA, Australia;Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: ARNDT, Kim Timothy;CHEN, Lei;FOLLETTIE, Maximillian Todd;FRUHLING, David Scott;KUNG, Pei-Pei;MAZUREK, Anthony;STUPPLE, Paul Anthony;TEDESCHI, Philip Michael;ZHONG, Wenyan~ 33:US ~31:63/052,215 ~32:15/07/2020;33:US ~31:63/211,044 ~32:16/06/2021

2023/00860 ~ Complete ~54:A COMPOSITION AND METHOD FOR PREPARING N-PHENYLPYRAZOLE-1-CARBOXAMIDES ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: JACK K VINTHER;KARE SONDERGAARD~ 33:US ~31:63/055,443 ~32:23/07/2020;33:US ~31:63/144,115 ~32:01/02/2021

2023/00872 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING SARS-COV-2 INFECTION USING CARBOXYAMIDOTRIAZOLE OROTATE ~71:Tactical Therapeutics, Inc., 48 Wall Street, 12th Floor, NEW YORK 1005-2887, NY, USA, United States of America ~72: KARMALI, Rashida~ 33:US ~31:16/985,789 ~32:05/08/2020

- APPLIED ON 2023/01/20 -

2023/00887 ~ Complete ~54:A NOVEL BEE POLLEN INCORPORATED FRUIT BASED FUNCTIONAL SPREAD AND PROCESS THEREOF ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, PUNJAB, 144411, India ~72: GAVHANE, Ajay;GUNJAL, Mahendra;KAUR, Jaspreet;KAUR, Sawinder;MEHTA, Chandra Mohan;RASANE, Prasad;SINGH, Jyoti;VYAS, Pallavi~ 33:IN ~31:202211041146 ~32:19/07/2022

2023/00889 ~ Complete ~54:A NOVEL METHOD FOR DEVELOPING CIS-GENIC HOLY BASIL (OCIMUM TENUIFLORUM L.) WITH ENHANCED COLD TOLERANCE ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Agrawal, Dhruv;Koul, Bhupendra;Sharma, Komal~ 33:IN ~31:202211035692 ~32:22/06/2022

2023/00902 ~ Complete ~54:MOLECULE HAVING PESTICIDAL UTILITY, AND COMPOSITIONS, AND PROCESSES, RELATED THERETO ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: CARLA J.R KLITTICH;RICKY HUNTER;TONY K TRULLINGER;YU ZHANG~ 33:US ~31:62/682,248 ~32:08/06/2018

2023/00915 ~ Complete ~54:APPARATUS AND METHOD FOR ANALYSIS OF A MOVING SLURRY ~71:BLUE CUBE TECHNOLOGY (PTY) LTD, The Woodmill, Shop 14B Ground Floor, Vredenburg Street, South Africa ~72: DU PLESSIS, Francois Eberhardt;LE ROUX, Petrus Albertus~ 33:GB ~31:2009498.3 ~32:22/06/2020

2023/00921 ~ Complete ~54:SYSTEM AND METHOD FOR PASSIVE SOLAR HOUSES, BUILDINGS AND SKYSCRAPERS WITH INTEGRATED AQUAPONICS, GREENHOUSE AND MUSHROOM CULTIVATION ~71:CARLOS R VILLAMAR, 3424 Washington Dr., Falls Church, Virginia, 22041, United States of America ~72: CARLOS R VILLAMAR;IRINA ALEXEEVNA PISARENKO;MARIA YEVGENYEVNA BABLYAK~

2023/00890 ~ Complete ~54:A NOVEL SYSTEM FOR CLEANING SOLAR PANNEL WITH WATER HARVESTING ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Atul Singla;Tara Singla~ 33:IN ~31:202211041145 ~32:19/07/2022

2023/00892 ~ Complete ~54:A CONVEYING DEVICE FOR LUGGAGE PARCELS ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Guizhi Ding;Kaixuan Zhang;Min Zhang;Qi Li;Qian Hu;Xiaojing Wang;Yingyan Ren~

2023/00904 ~ Complete ~54:A METHOD TO DEVELOP RECYCLED 3D PRINTING COMPOSITE FILAMENT ~71:CH. Kapil Ror, Village + Post: Manubas, District: Haridwar, City: Roorkee, State: Uttarakhand, 247667, India;Dr. Anup Kumar Sharma, Electronics And Instrumentation Department NIT Sicha, District Cachar, State: Assam, 788010, India;Dr. Biplab Das, Department of Mechanical Engineering, National Institute of Technology Silchar, District: Cachar, State: Assam, 788010, India;Dr. Simanchal Kar, Department of Mechanical Engineering, National Institute of Technology Silchar, District: Cachar, State: Assam, 788010, India;Dr. Sushant Negi, Department of Mechanical Engineering, National Institute of Technology Silchar, District: Cachar, State: Assam, 788010, India;Jitendra Kumar, Village: Pothahi, Post: Basuhar, District: Patna, State: Bihar, 804453, India;Vishal Mishra, Village + Post: Dhaurahara, Muhammadabad Gohna, District: Mau, State: Uttar Pradesh, 276405, India ~72: CH. Kapil Ror;Dr. Anup Kumar Sharma;Dr. Biplab Das;Dr. Simanchal Kar;Dr. Sushant Negi;Jitendra Kumar;Vishal Mishra~

2023/00906 ~ Complete ~54:A MEHTOD FOR EXAMINING THE BANARASI SILK SAREES ~71:Dr. Ragini Dubey, Deptt. Of Family Resources Management, College of community science, CSA Kanpur, India;Dr. Ritu Pandey, Assistant Professor, Department of Textiles & Clothing, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, 208002, India;Dr. Shiwanand Pandey, Chandra Shekhar Azad University of Agriculture and Technology, Kanpur, Uttar Pradesh, 208002, India;Dr. Vinay Kumar Chauhan, Associate Professor (outsourcing), Indian Institute of Handloom Technology, Chowkaghat, Varanasi, 221002, India ~72: Dr. Ragini Dubey;Dr. Ritu Pandey;Dr. Shiwanand Pandey;Dr. Vinay Kumar Chauhan~

2023/00919 ~ Complete ~54:COANDA EFFECT FLOW BOOSTER AND AERAULIC DEVICE COMPRISING SUCH A FLOW BOOSTER ~71:ASUR PLANT BREEDING, 163 avenue de Flandre, 60190, Estr&#233;es-Saint-Denis, France;INSTITUT NATIONAL DE RECHERCHE POUR L&#39;AGRICULTURE, L&#39;ALIMENTATION



ET L&#39;ENVIRONNEMENT, 147 rue de l&#39;Universit&#233;, 75007, Paris, France;SYNGENTA CROP PROTECTION AG, 67 Rosentalstrasse 4058 Basel, Switzerland ~72: PATRICK BALDET~ 33:FR ~31:FR2008012 ~32:29/07/2020

2023/00923 ~ Complete ~54:METHODS FOR PRODUCING OPTICAL EFFECT LAYERS COMPRISING MAGNETIC OR MAGNETIZABLE PIGMENT PARTICLES ~71:SICPA HOLDING SA, Avenue de Florissant 41, PRILLY 1008, SWITZERLAND, Switzerland ~72: GARNIER, Jean;MARTINI, Thibaut;PITTET, Herve;RUGGERONE, Riccardo;VEYA, Patrick~ 33:EP ~31:20181614.7 ~32:23/06/2020

2023/00927 ~ Complete ~54:COMBINATION DRUG OF TEMOZOLOMIDE AND INHIBITOR OF MUTATED IDH1 ENZYME ~71:Daiichi Sankyo Company, Limited, 3-5-1, Nihonbashi Honcho, Chuo-ku, TOKYO 103-8426, JAPAN, Japan ~72: SEKI, Takahiko~ 33:JP ~31:2020-124331 ~32:21/07/2020

2023/00934 ~ Complete ~54:PLASMA MODIFICATION METHOD AND SYSTEM FOR FABRICS, NON-WOVEN AND POROUS FILMS ~71:Sichuan University of Science & Engineering, 519 Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Sichuan Zhirenfa Biotechnology Co., Ltd., (Room 1413, Student Practice and Training Building, Sichuan University of Science & Engineering) No. 519 Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Sichuan Zhixiangyi Technology Co., Ltd., No. GW1101, Floor 11, Building 9-2, No. 75, Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China ~72: Chen Gao;Chi-Hui Tsou;Chih-Yuan Tsou;Chunyan Zeng;Fei-Fan Ge;Juan Du;Manuel Reyes De Guzman;Ruo-Yao Wang;Shuang Chen;Tao Yang;Xin-Yuan Tian;Xuefei Hu;Xuemei Zhang;Zheng-Lu Ma~ 33:CN ~31:202010894096.6 ~32:31/08/2020

2023/00888 ~ Complete ~54:AN IOT ENABLED VERTICAL GARDEN ASSEMBLY ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Atul Singla;Tara Singla;Vijay Mishra~ 33:IN ~31:202211040601 ~32:15/07/2022

2023/00891 ~ Complete ~54:A METHOD FOR CONVEYING LUGGAGE PACKAGES ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Guizhi Ding;Min Zhang;Qi Li;Qian Hu;Xiaojing Wang;Yang Yang;Zhihan Liang~

2023/00893 ~ Complete ~54:A REAL-TIME STATISTICAL METHOD FOR REALIZING MULTI-POINT ACQUISITION OF MOBILE PERSONNEL ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Guizhi Ding;Min Zhang;Qi Li;Qian Hu;Qiaoqiao Fan;Xiaojing Wang;Yang Yang~

2023/00894 ~ Complete ~54:A MOBILE PERSONNEL MONITORING AND STATISTICS SYSTEM BASED ON MULTI-POINT ACQUISITION ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Guizhi Ding;Min Zhang;Qi Li;Qian Hu;Xiaojing Wang;Yunchen Qiu;Zhuo Ma~

2023/00913 ~ Complete ~54:IMMUNOTHERAPY ~71:TCER ONCOLOGY AB, Sk&#246;nab&#228;ck F&#246;rvaltnings, AB Sk&#246;nab&#228;ck, Sweden ~72: GR&#214;NLUND, Hans;KIESSLING, Rolf;WICKSTR&#214;M, Stina~ 33:GB ~31:2010095.4 ~32:01/07/2020

2023/00917 ~ Complete ~54:NUCLEAR FUEL CLADDING ELEMENT AND METHOD FOR MANUFACTURING SAID CLADDING ELEMENT ~71:FRAMATOME, 1 place Jean Millier, Tour Areva, France ~72: BARBERIS, Pierre;BISCHOFF, Jeremy;BUCHANAN, Karl~ 33:FR ~31:2008183 ~32:31/07/2020

2023/00931 ~ Complete ~54:COMPOSITION FOR PRESERVING AND/OR IMPROVING THE QUALITY OF MEAT PRODUCTS ~71:Purac Biochem B.V., Arkelsedijk 46, GORINCHEM 4206 AC, THE NETHERLANDS, Netherlands ~72: HILHORST, Gerrit Anthon Rene;KARLEEN, Saffiera;KUMAR, Saurabh;MCCOY, Garrett Douglas;WIJMAN, Johanna Gerarda Elisabeth~ 33:IB ~31:PCT/IB(NL)/2020/000523 ~32:23/06/2020

2023/00896 ~ Complete ~54:A COLLAPSIBLE CRATE ~71:BIT PLASTIC (PTY) LTD, 61 Chrystal Street, Denver, South Africa ~72: Vitor Medeiros~

2023/00898 ~ Complete ~54:AN AUTOMATED COMPUTATIONAL SYSTEM FOR EXPLORATORY DATA ANALYSIS ~71:Dr. Amita Goel, HOD (Department of Information Technology and Engineering), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Krishna Chandra Tripathi, Associate Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Soumi Ghosh, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Sunil Maggu, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Ms. Nidhi Sengar, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;PROF. M. L. Sharma, HOD (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Rashi Aggarwal, Maharaja Agrasen Institute of Management Studies, Sector-22, Rohini, Delhi, Delhi, 110086, India;Srajan Kumar, Senior Analyst at Capgemini, Candor Techspace, Tower 5, IT/ITES SEZ, Sector-48, Gurugram, Haryana, 122001, India ~72: Dr. Amita Goel;Dr. Krishna Chandra Tripathi;Dr. Soumi Ghosh;Dr. Sunil Maggu;Ms. Nidhi Sengar;PROF. M. L. Sharma;Rashi Aggarwal;Srajan Kumar~

2023/00901 ~ Complete ~54:PYRIMIDINE COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS FOR PREVENTING OR TREATING CANCERS INCLUDING THE SAME ~71:HANMI PHARM. CO., LTD., 214, Muha-ro, Paltan-myeon, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: IN HWAN BAE;JAE YUL CHOI;JI SOOK KIM;KWEE HYUN SUH;SEOK JONG KANG;YOUNG GIL AHN~ 33:KR ~31:10-2018-0086768 ~32:25/07/2018

2023/00903 ~ Complete ~54:A METHOD FOR PERFORMING GAIT ANALYSIS TO IDENTIFY PHYSICALLY DISABLED INDIVIDUALS ~71:A.Sampath Dakshina Murthy, Assistant Professor, Department of ECE, Vignan's Institute of Information Technology (A), Visakhapatnam, India;Dr. Lokireddi Venkata Venu Gopala Rao, Professor, Department of Mechanical Engineering, Vignan's Institute of Information Technology (A), Visakhapatnam, India;Dr. M.Hema, Assistant Professor, Department of ECE, JNTUGV - CEV, Vizianagaram, India;Dr. Palli Srihari, Associate Professor, Department of Mechanical Engineering Aditya Institute of Technology and management, K.Kotturu, Tekkali, Srikakulam (Dt.), 532201, India;J.Vijayasree, Assistant Professor, Department of ECE, Vignan's Institute of Information Technology (A), Visakhapatnam, India ~72: A.Sampath Dakshina Murthy;Dr. Lokireddi Venkata Venu Gopala Rao;Dr. M.Hema;Dr. Palli Srihari;J.Vijayasree~

2023/00908 ~ Complete ~54:AN EFFICIENT METHOD FOR REPAIRING DESERTIFIED SOIL IN MINING AREA BY USING CEMENTING AGENT AND ACTIVATOR MATERIALS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Hongmin Zhang;Huijie Li;Yanli Mao;Yanyan Zhan;Yuhua Wang;Zhanhui Zhao~ 33:CN ~31:202210189804.5 ~32:28/02/2022

2023/00909 ~ Complete ~54:A LONG-TERM METHOD FOR IMPROVING RECLAIMED SOIL IN MINING AREA BY USING ORGANIC MATERIALS WITH DIFFERENT STABILITY SUPPLEMENTED WITH COAL HANGUE STRUCTURAL MATERIALS ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District,

Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Huijie Li;Yanli Mao;Yanyan Zhan;Yuhua Wang;Zhanhui Zhao~ 33:CN ~31:202210189826.1 ~32:28/02/2022

2023/00911 ~ Complete ~54:SYSTEMS, METHODS, AND DEVICES FOR COMMERCIAL BLASTING OPERATIONS ~71:ORICA INTERNATIONAL PTE LTD, 78 Shenton Way, Tower 2 06-15, Singapore ~72: CROUCH, Adrian;KOTSONIS, Steven E.;LAVERY, Brian;MAHER, Aaron Cope;NG, Kenneth;SLOAN, Leif Robert~ 33:US ~31:63/055,361 ~32:23/07/2020

2023/00916 ~ Complete ~54:BLENDDED HYDROPONICS ~71:VAN BUUREN, Jacques Mauritz, 1400 Hampton Court, United States of America ~72: VAN BUUREN, Jacques Mauritz~ 33:US ~31:63/042,060 ~32:22/06/2020

2023/00925 ~ Complete ~54:PROCESS FOR SYNTHESISING HYDROCARBONS ~71:Johnson Matthey Davy Technologies Limited, 5th Floor, 25 Farringdon Street, LONDON EC4A 4AB, UNITED KINGDOM, United Kingdom ~72: CLAXTON, Henry Arthur;COE, Andrew James;MCKENNA, Mark Joseph;TICEHURST, Paul Robert~ 33:GB ~31:2016416.6 ~32:16/10/2020

2023/00933 ~ Complete ~54:NUCLEIC ACIDS ENCODING A POLYPEPTIDE COMPRISING A MODIFIED FC REGION OF A HUMAN IGG1 AND AT LEAST ONE HETEROLOGOUS ANTIGEN ~71:Scancell Limited, John Eccless House, Robert Robinson Avenue, Oxford Science Park, OXFORD OX4 4GP, OXFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: BRENTVILLE, Victoria;DURRANT, Linda Gillian;METHERINGHAM, Rachael;VANKEMMELBEKE, Mireille~ 33:GB ~31:2013385.6 ~32:26/08/2020;33:GB ~31:2101435.2 ~32:02/02/2021

2023/00879 ~ 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~

2023/00882 ~ Complete ~54:A MULTIFUNCTION CLOTH DRYING AND SANITIZING CLOSET ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Dr. Tarlochan Singh;Mandeep Singh;Saneen Swalih~ 33:IN ~31:202211029895 ~32:25/05/2022

2023/00885 ~ Complete ~54:SMART LIBRARY MANAGEMENT SYSTEM FOR EASY TRACKING ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: AJAY KUMAR BANSAL;AMAN GANESH;ATUL KHOSLA;BHANU SHARMA;YASIR AFAQ~ 33:IN ~31:202211033036 ~32:09/06/2022

2023/00912 ~ Complete ~54:TYK-2 INHIBITOR ~71:BEIGENE, LTD., c/o Mourant Ozannes Corporate Services (Cayman) Limited, 94 Solaris Avenue, Camana Bay, Cayman Islands ~72: GUO, Yunhang;WANG, Qiuwen;WANG, Zhiwei~ 33:CN ~31:PCT/CN2020/097557 ~32:22/06/2020;33:CN ~31:PCT/CN2020/119750 ~32:30/09/2020;33:CN ~31:PCT/CN2021/093815 ~32:14/05/2021

2023/00918 ~ Complete ~54:PRE-MEDICAL SPEECH RECOGNITION ASSESSMENT AND AUDIOMETRY SCREENING ~71:HEARING REHABILITATION CENTER "MELFON", LTD., Profsoyuznaya ulitsa, 78, Str. 1, Moscow, 117393, Russian Federation ~72: KHANYKOV, Vladimir Vladimirovich;SIROTKIN, Valeriy Stepanovich~ 33:RU ~31:2020129492 ~32:07/09/2020

2023/00922 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DAVID CHRISTOPHER THORLEY;DAVID STEPHEN GRAINGER;PAUL SIMON STEVENSON;UYAI IKPATT~ 33:EP ~31:20193306.6 ~32:28/08/2020

2023/00926 ~ Complete ~54:APPARATUS AND METHOD FOR GENERATING A DIFFUSE REVERBERATION SIGNAL ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: KECHICHIAN, Patrick;KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:20181351.6 ~32:22/06/2020

2023/00930 ~ Complete ~54:SYSTEM, DEVICE, AND PROCESS FOR MONITORING EARTH WORKING WEAR PARTS ~71:ESCO Group LLC, 2141 Nw 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: AREVALO, Juan Bibiano;CARPENTER, Christopher Myron;MAZUMDAR, Abhinav;MUTHUSAMY, Rayadurai;PICKEL, Justin Ryan;SAXENA, Ankit~ 33:US ~31:63/055,138 ~32:22/07/2020

2023/00884 ~ Complete ~54:A NOVEL METHOD OF HIGH STRENGTH REINFORCED CEMENT CONCRETING ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: Anshul Garg;Nagendra Narayan Sharma;Pushpendra Kumar Sharma~ 33:IN ~31:202211024083 ~32:25/04/2022

2023/00895 ~ Complete ~54:A SPINAL DEFORMITY RECOVERY DEVICE BASED ON HUMAN NATURAL CURVED SURFACE ~71:Zhengzhou Railway Vocational & Technical College, No. 56 Pengcheng Avenue, Zhengdong New District, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: Guizhi Ding;Jie Tian;Min Zhang;Qi Li;Qian Hu;Xiaojing Wang;Zhihan Liang~

2023/00897 ~ Complete ~54:ANALYSIS DEVICE AND METHOD FOR IMPROVING ATRIAL FIBRILLATION MYOCARDIAL FIBROSIS WITH QIPO SHENGMAI COMPOSITION BASED ON SPATIAL TRANSCRIPTOME TECHNOLOGY ~71:Guang'anmen Hospital, China Academy of Chinese Medical Sciences, No. 5, North Line Pavilion, Xicheng District, People's Republic of China ~72: Jingjing, Shi;Qihua, Liu;Shuqing, Shi;Yanyun Wang;Yuanhui, Hu;Yuguang, Chu~ 33:CN ~31:202210106899.X ~32:28/01/2022

2023/00899 ~ Complete ~54:A COMPUTING SYSTEM FOR PREDICTING AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE (ADPKD) ~71:Anjali Raghav, Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Amita Goel, HOD (Department of Information Technology and Engineering), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Krishna Chandra Tripathi, Associate Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Soumi Ghosh, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Sunil Maggu, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Dr. Vasudha Bahl, Assistant Professor (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;PROF. M. L. Sharma, HOD (Department of Information Technology), Maharaja Agrasen Institute of Technology, PSP Area, Plot No. 1, Sector-22, Rohini, Delhi, Delhi, 110086, India;Rashi Aggarwal, Maharaja Agrasen Institute of Management Studies, Sector-22, Rohini, Delhi, Delhi, 110086, India;Shaswat Jaiswal, Support Consultant at Zenoti, RMZ Futura Block A, Plot no. 14 and 15, Phase 2, Hyderabad, Telangana, 500081, India ~72: Anjali Raghav;Dr. Amita Goel;Dr. Krishna Chandra Tripathi;Dr. Soumi Ghosh;Dr. Sunil Maggu;Dr. Vasudha Bahl;PROF. M. L. Sharma;Rashi Aggarwal;Shaswat Jaiswal~

2023/00907 ~ Complete ~54:A QUINOA SEED PELLETIZING METHOD ~71:BEIJING ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, Banjing, West Suburb of Haidian District, Beijing, People's Republic of China;QINGHAI ACADEMY OF AGRICULTURE AND FORESTRY SCIENCES, No. 253, Ningzhang Road, Chengbei District, Xining, People's Republic of China;QINGHAI GAOYUAN JINHE ECOLOGICAL

AGRICULTURE AND HUSBANDRY TECHNOLOGY CO., LTD, Building 2, Taojiazhai New Village, No. 6, Ningzhang Road, Chengbei District, Xining, People's Republic of China ~72: GUO, Yu;WANG, Dexin;WU, Kunlun;YAO, Xiaohua;YAO, Youhua~

2023/00920 ~ Complete ~54: SURFACTANT AND DETERGENT COMPOSITION ~71: UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DAVID CHRISTOPHER THORLEY; DAVID STEPHEN GRAINGER; STEPHEN NORMAN BATCHELOR~ 33: EP ~31: 20193480.9 ~32: 28/08/2020

2023/00928 ~ Complete ~54: OPTICALLY TRANSPARENT ELECTROMAGNETIC SHIELDING ASSEMBLY ~71: Centre National De La Recherche Scientifique - CNRS, 3, rue Michel Ange, PARIS 75016, FRANCE, France; Safran Electronics & Defense, 72-76 rue Henry Farman, PARIS 75015, FRANCE, France; UNIVERSITE DE RENNES 1, 2, rue du Thabor, RENNES 35000, FRANCE, France ~72: BESNIER, Philippe; CASTEL, Xavier; FOUTREL, Patrice; LE PAVEN, Claire; TRICAS, Quentin~ 33: FR ~31: 20 07712 ~32: 22/07/2020

2023/00932 ~ Complete ~54: LOW DOSE REGIMEN AND FORMULATION OF A 5-METHYL-1,2,4-OXADIAZOL-3-YL COMPOUND ~71: Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: KIELBASA, William Brian; MERGOTT, Dustin James~ 33: US ~31: 63/055,362 ~32: 23/07/2020

2023/00881 ~ Provisional ~54: THE BALL CUP ADDITION ~71: Martin Hempel, Endeavour Farm, South Africa ~72: Martin Hempel~

2023/00886 ~ Complete ~54: A SMART PRAKRITI PREDICATION SYSTEM USING ARTIFICIAL INTELLIGENCE ~71: LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD, PHAGWARA, India ~72: AMAN GANESH; CHANDRA MOHAN MEHTA; DILEEP KUMAR P Y V N; PRATEEK AGRAWAL; VISHU MADAAN~ 33: IN ~31: 202211033034 ~32: 09/06/2022

2023/00900 ~ Complete ~54: ELECTRONIC VAPING DEVICE AND COMPONENTS THEREOF ~71: ALTRIA CLIENT SERVICES LLC, 6601 West Broad Street, Richmond, Virginia, 23230, United States of America ~72: BARRY SMITH; DOUGLAS BURTON; EDMOND CADIEUX; PATRICK COBLER; PETER LIPOWICZ~ 33: US ~31: 61/946,376 ~32: 28/02/2014

2023/00905 ~ Complete ~54: INTELLIGENT AND ANTI-BLOCKING FERTILIZING APPARATUS FOR LARGE-PARTICLE FERTILIZERS ~71: INSTITUTE OF APPLIED ECOLOGY, CHINESE ACADEMY OF SCIENCES, No. 72 Wenhua Road, Shenhe District, Shenyang, Liaoning, 110016, People's Republic of China ~72: LI, Jie; LI, Yaqun; LU, Zongyun; SHI, Yuanliang; WANG, Wei; WANG, Wenyu~ 33: CN ~31: 202210201935.0 ~32: 03/03/2022

2023/00910 ~ Complete ~54: EASY TO CONNECT FIXED PLASMA POWER SUPPLY ~71: Lu &#39;an Yong Zhen Jiang Dao Electromechanical Technology Co., LTD, Room 504, Gate 3, Block C, Xiyangyang Industrial Park, Lu &#39;an Economic Development Zone, Anhui Province, Lu &#39;an City, People's Republic of China ~72: Haiyan LU~

2023/00914 ~ Complete ~54: AEROSOL-GENERATING DEVICE WITH HEATER WITH COLD ZONE ~71: PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel; ISCHI, Gregori; JARRIAULT, Marine; LAVANCHY, Fr&#233;d&#233;ric; PANTEA, Silviu, Natanael; PIJNENBURG, Johannes, Petrus, Maria; YIM, Jun, Wei~ 33: EP ~31: 20204491.3 ~32: 28/10/2020

2023/00924 ~ Complete ~54: QUINOXALINE DERIVATIVES AS ANTI-CANCER DRUGS ~71: AstraZeneca AB, S&#214;DERT&#196;LJE 151 85, SWEDEN, Sweden ~72: DEGORCE, Sebastien Louis; GHOSH,

Avipsa;HANDE, Sudhir Mahadeo;JOHANNES, Jeffrey Wallace;PACKER, Martin John;ZHENG, Xiaolan~ 33:US  
 ~31:63/044,095 ~32:25/06/2020;33:US ~31:63/120,351 ~32:02/12/2020

2023/00929 ~ Complete ~54:SYSTEMS AND METHODS FOR PERFORMING MICROSCOPIC ANALYSIS OF A  
 SAMPLE ~71:DAMAE Medical, 14 Rue Sthrau, PARIS 75013, FRANCE, France ~72: LEVECQ, Olivier;OGIEN,  
 Jonas~ 33:FR ~31:FR2007700 ~32:22/07/2020

2023/00878 ~ Provisional ~54:WIRELESS DETONATOR CONSOLIDATION ~71:DETNET SOUTH AFRICA  
 (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: MAHOMED, Shaheen  
 Shafi;YATES, Marinus~

2023/00880 ~ Provisional ~54:WATER FILLED ICE-CREAM HOLDERS ~71:Martin Hempel, Endeavour Farm,  
 South Africa ~72: Martin Hempel~

2023/00883 ~ Complete ~54:A NOVEL FORTIFIED FOOD PRODUCT FOR DIABETIC PATIENTS AND  
 PROCESS THEREOF ~71:LOVELY PROFESSIONAL UNIVERSITY, JALANDHAR-DELHI G.T. ROAD,  
 PHAGWARA, India ~72: Kaushik, Aditi;Koul, Bhupendra;Pareek, Pragati~ 33:IN ~31:202211032677  
 ~32:08/06/2022

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

No records available

**CHANGE OF NAME IN TERMS OF REGULATION 39**

No records available

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

No records available

**PATENT APPLICATIONS ABANDONED OR WITHDRAWN**

No records available

**APPLICATION FOR RESTORATION OF A LAPSED PATENT**

No records available

**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: MICROSOFT TECHNOLOGY LICENSING, LLC** of **ONE MICROSOFT WAY, REDMOND, WASHINGTON, 98052-6399, UNITED STATES OF AMERICA** request permission to amend the specification of letters patent no: **2021/06434** of **2 SEPTEMBER 2021** for **CUSTOMIZED OUTPUT TO OPTIMIZE FOR USER PREFERENCE IN A DISTRIBUTED SYSTEM.**

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

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

**Registrar of Patents**

**Applicant: Skyhawk Therapeutics, Inc. 35 Gatehouse Drive, WALTHAM 02451, MA, USA** request permission to amend the specification of letters patent no: **2020/00695** of **03/02/2020** for **METHODS AND COMPOSITIONS FOR MODULATING SPLICING.**

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

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

**Registrar of Patents**

**Applicant: BYRNA TECHNOLOGIES INC. 100 Burt Road, Suite 115 Ma 01810 Andover** request permission to amend the specification of letters patent no: **2019/07567** of **15/11/2019** for **LESS-LETHAL MUNITIONS.**

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

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

**Registrar of Patents**

**Applicant: DIAL DIRECT INSURANCE (RF) 1 Telesure lane, Auto and General Park, Dainfern 2191 Johannesburg** request permission to amend the specification of letters patent no: **2016/00004** of **04/01/2016** for **METHOD OF MANAGING INSURANCE RISK.**

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

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

**Registrar of Patents**

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**Applicant: LIQID MEDICAL PROPRIETARY LIMITED 30 Eden Road, Walmer Estate, Cape Town 7925, SOUTH AFRICA**

request permission to amend the specification of letters patent no: **2019/02253 of 10/04/2019** for **ORBITAL TISSUE RETRACTOR.**

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

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

**Registrar of Patents**

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**Applicant: TECHNOLOGICAL RESOURCES PTY LIMITED 120 Collins Street, Melbourne, Victoria 3000**

request permission to amend the specification of letters patent no: **2012/09228 of 06/12/2012** for **SEPARATING MINED MATERIAL.**

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

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

**Registrar of Patents**

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**Applicant: Kellogg Brown & Root LLC 601 Jefferson Avenue, HOUSTON 77002 , TX, USA** request permission to amend the specification of letters patent no: **2022/02993 of 11/03/2022** for **USE OF A FUEL OIL WASH TO REMOVE CATALYST FROM A FLUIDIZED-BED PROPANE DEHYDROGENATION REACTOR EFFLUENT.**

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

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



**Registrar of Patents**

**INSPECTION OF SPECIFICATIONS**

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

**COPIES OF DOCUMENTS**

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

Photocopies: **R1, 00 per page**

**COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF**

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

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

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

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

**Registrar of Patents**

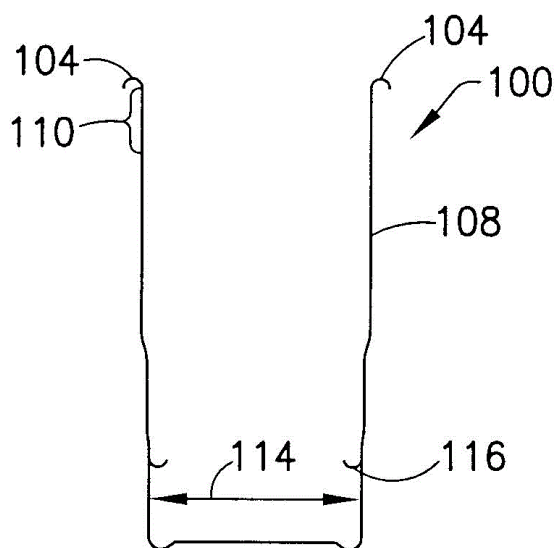
21: 2013/01709. 22: 2013/03/06. 43: 2022/11/08  
 51: C07K; A61P  
 71: GENENTECH, INC.  
 72: HUANG, ARTHUR J, KELLY, ROBERT F,  
 LOWMAN, HENRY, VAN LOOKEREN CAMPAGNE,  
 MENNO, WINTER, CHARLES M  
 33: US 31: 61/048,689 32: 2008-04-29  
 33: US 31: 61/048,431 32: 2008-04-28  
**54: HUMANIZED ANTI-FACTOR D ANTIBODIES  
 AND USES THEREOF**  
 00: -

The invention relates to anti-Factor D antibodies, their nucleic acid and amino acid sequences, the cells and vectors that harbor these antibodies and their production and their use in the preparation of

compositions and medicaments for treatment of diseases and disorders associated with excessive or uncontrolled complement activation. These antibodies are useful for diagnostics, prophylaxis and treatment of disease.

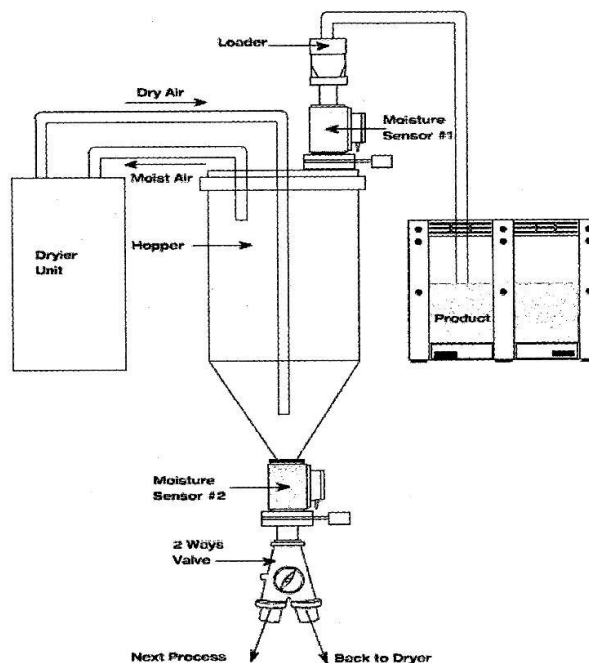
21: 2014/04401. 22: 2014/06/13. 43: 2022/11/01  
 51: B21D  
 71: Kaiser Aluminum Warrick, LLC  
 72: FEDUSA, Anthony J., MYERS, Gary L.,  
 HUNKER, Gary L., DICK, Robert E.  
 33: US 31: 61/579,196 32: 2011-12-22  
**54: METHOD FOR EXPANDING THE DIAMETER  
 OF A METAL CONTAINER**

00: -  
 A method of forming a metal container comprises: curling outward a top edge of the metal container to form a curl and expanding a diameter of a first section of the metal container to form a first expanded section; wherein at least part of the first expanded section is below the curl. In some embodiments, the steps of curling outward a top edge of the metal container to form a curl and expanding a diameter of a first section of the metal container to form a first expanded section are performed in a single stroke of a single die. In some embodiments, the step of expanding a diameter of a first section of the metal container to form an expanded section is performed after the step of curling outward a top edge of the metal container to form a curl.



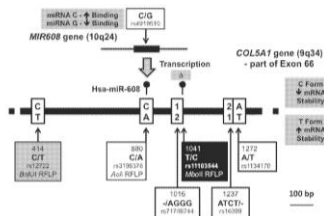
21: 2014/05356. 22: 2014/07/21. 43: 2022/11/16  
 51: F26B; G01N  
 71: BRY AIR (ASIA) PVT.LTD  
 72: PAHWA ,DEEPAK , GRIFFITHS,WILLIAM ,CHARLES , SAMMARTINI,MARCO , SACHDEV,RAJAN , MALIK,KULDEEP SINGH  
 33: IN 31: 3735/DEL2011 32: 2011-12-20  
**54: METHOD AND DEVICE FOR MOISTURE DETERMINATION AND CONTROL**  
 00: -  
 The present invention relates to a method for moisture determination and control using real time measurement of the moisture content of the material being processed. The present invention also

provides a device that is used for moisture determination and control based on real time measurement of moisture content of a material being processed. The present invention is particularly suitable for controlling the moisture content of a material in a drying process, such as in a drying hopper, where the material moisture content is measured at an inlet and an outlet of the drying process. The drying process is further controlled by anticipating the drying load by measuring the moisture content of the incoming material to be dried.



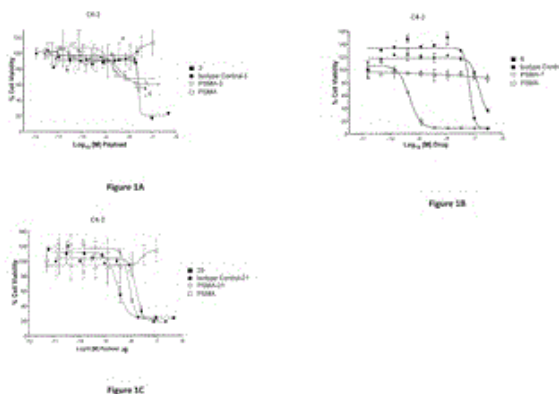
21: 2014/05618. 22: 2014/07/29. 43: 2022/11/17  
 51:  
 71: South African Medical Research Council, University of Cape Town  
 72: COLLINS, Malcolm Robert, SEPTEMBER, Alison Victoria  
 33: ZA 31: 2012/00047 32: 2012-01-04  
**54: OLIGONUCLEOTIDES AND METHODS FOR DETERMINING A PREDISPOSITION TO SOFT TISSUE INJURIES**  
 00: -  
 A method of determining in a subject a predisposition to, or increased risk for, developing a tendon, ligament, or other soft tissue injury or pathology, the method comprising the step of screening the subject for the presence of at least one polymorphism in at least one gene selected

from the group comprising: a) the collagen V gene COL5A1; wherein the COL5A1 gene is rs71746744, rs16399 and/or rs1134170 within the 3'-untranslated region (UTR) of the alpha 1 chain of the COL5A1 gene; b) the MIR608 gene which encodes a miRNA which binds to a recognition sequence within the 3'-UTR of the collagen V gene COL5A1; and c) the CASP8 gene; wherein the presence of the polymorphism is indicative of a predisposition to, or increased risk for, developing a musculoskeletal soft tissue injury in the subject.



21: 2015/05813. 22: 2015/08/13. 43: 2022/11/08  
 51: A61K; A61P  
 71: REGENERON PHARMACEUTICALS, INC.  
 72: NITTOLI, THOMAS  
 33: US 31: 61/792,216 32: 2013-03-15  
**54: BIOLOGICALLY ACTIVE MOLECULES, CONJUGATES THEREOF, AND THERAPEUTIC USES**

00: -  
 The present disclosure relates to linker compounds that are useful in covalently linking biologically active molecules with Ligands. The disclosed compounds also relate to biologically active molecules and Ligand conjugates, wherein the biologically active molecule is linked to the Ligand through a linker. The disclosure further provides compositions comprising biologically active molecule -ligand conjugates, methods of modifying abnormal cell growth and methods of treatment using the conjugates or the compositions.



21: 2015/06438. 22: 2015/09/02. 43: 2022/11/08  
 51: A61K  
 71: SAMUMED, LLC  
 72: KUMAR KC, SUNIL, WALLACE, DAVID MARK, HOOD, JOHN, BARROGA, CHARLENE  
 33: US 31: 61/768,033 32: 2013-02-22  
**54: GAMMA-DIKETONES AS WNT/BETA - CATENIN SIGNALING PATHWAY ACTIVATORS**

00: -  
 The present disclosure provides  $\gamma$ -diketones or analogs thereof, that activate Wnt/ $\beta$ -catenin signaling and thus treat or prevent diseases related to signal transduction, such as osteoporosis and osteoarthopathy; osteogenesis imperfecta, bone defects, bone fractures, periodontal disease, otosclerosis, wound healing, craniofacial defects, oncolytic bone disease, traumatic brain injuries or spine injuries, brain atrophy/neurological disorders related to the differentiation and development of the central nervous system, including Parkinson's disease, strokes, ischemic cerebral disease, epilepsy, Alzheimer's disease, depression, bipolar disorder, schizophrenia; otic disorders like cochlear hair cell loss; eye diseases such as age related macular degeneration, diabetic macular edema or retinitis pigmentosa and diseases related to differentiation and growth of stem cell, such as hair loss, hematopoiesis related diseases and tissue regeneration related diseases.

21: 2015/06800. 22: 2015/09/14. 43: 2022/11/16  
 51: A61J; A61M  
 71: POLY MEDICURE LIMITED  
 72: MOSLER, Theodore J., BROWKA, Edward P.  
 33: US 31: 61/852,286 32: 2013-03-16  
**54: TRANSFER DEVICE VALVE**

00: -  
 A valve is disclosed, the valve comprising a housing having a first opening and a second opening, and an elastomeric member positioned in the housing, the elastomeric member comprising a thickness, a continuous peripheral wall projecting from the thickness, and a slit extending through the thickness, a continuous portion of the peripheral wall creating a continuous sealable contact with the housing and partitioning the housing into an upper section and a lower section, the elastomeric member configured such that upon creating a pressure differential between the upper section and the lower section of the housing causes either: (i) the peripheral wall to deflect from the housing permitting fluid flow around the elastomeric member; or (ii) the slit to open permitting fluid flow through the elastomeric member. Methods using the valve are also disclosed.

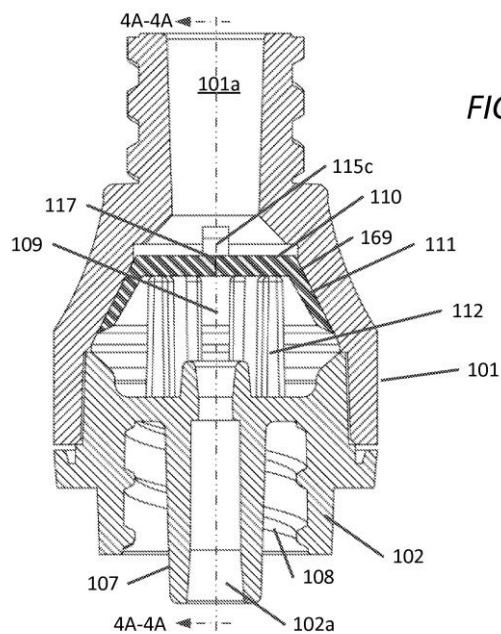
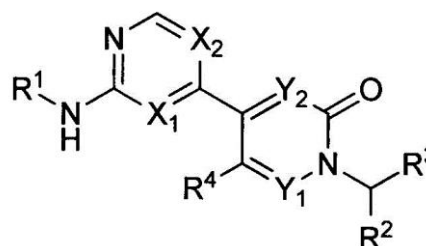


FIG. 4A

21: 2015/08847. 22: 2015/12/03. 43: 2022/11/08  
 51: A61K; A61P; C07D; C07F  
 71: Array BioPharma Inc., Genentech, Inc.  
 72: BLAKE, James F., CHICARELLI, Mark Joseph, GARREY, Rustam Ferdinand, GAUDINO, John, GRINA, Jonas, MORENO, David A., MOHR, Peter J., REN, Li, SCHWARZ, Jacob, CHEN, Huifen, ROBARGE, Kirk, ZHOU, Aihe  
 33: US 31: 61/605,523 32: 2012-03-01  
**54: SERINE/THREONINE KINASE INHIBITORS**  
 00: -

Compounds of Formula I or a stereoisomer, tautomer, prodrug or pharmaceutically acceptable salt thereof are provided, which are useful for the treatment of hyperproliferative, pain and inflammatory diseases. Methods of using compounds of Formula I or a stereoisomer, tautomer, prodrug or pharmaceutically acceptable salt thereof, for in vitro, in situ, and in vivo diagnosis, prevention or treatment of such disorders in mammalian cells, or associated pathological conditions are disclosed.

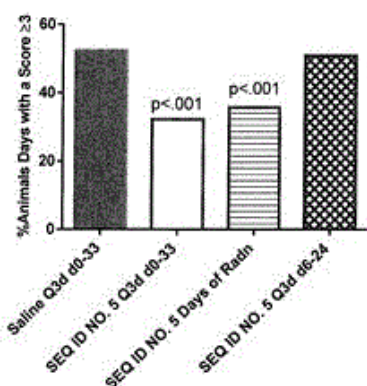


I

21: 2016/01967. 22: 2016/03/22. 43: 2022/11/08  
 51: C07K  
 71: SOLIGENIX, INC., DONINI, OREOLA, ROZEK, ANNETT, LEE, JACKSON, NORTH, JOHN, ABRAMS, MICHAEL  
 72: DONINI, OREOLA, ROZEK, ANNETT, LEE, JACKSON, NORTH, JOHN, ABRAMS, MICHAEL  
 33: US 31: 61/877,767 32: 2013-09-13  
**54: NOVEL PEPTIDES AND ANALOGS FOR USE IN THE TREATMENT OF ORAL MUCOSITIS**

00: -  
 Preclinical data obtained in models of chemotherapy-induced mucositis, radiation-induced mucositis, neutropenic infection and colitis indicate oral mucositis is a promising indication for Innate Defense Regulator (IDR) peptides. Preclinical efficacy results obtained with IDRs in mouse and hamster models of mucositis indicate that dosing every third day should be able to cover the mucositis "window" with seven to fourteen doses, depending on the duration of chemotherapy or radiation exposure. IDRs have also shown efficacy in mouse models of chemotherapy-induced oral and gastrointestinal mucositis, consistent with the response of the innate immune response to chemotherapy and / or radiation damage. IDRs are also effective at reducing bacterial burden and

improve survival in the presence or absence of antibiotic treatment in various murine infection models.

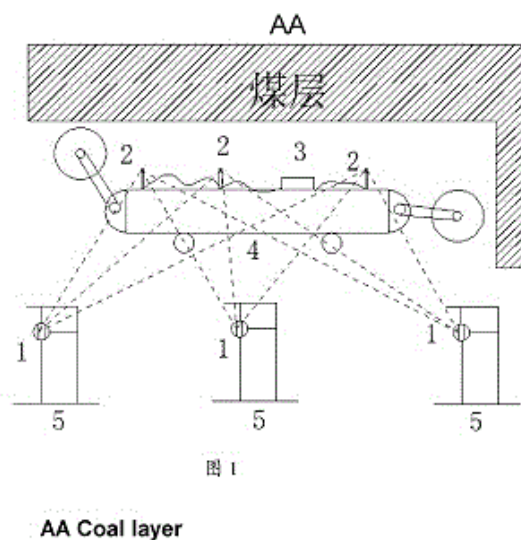


21: 2016/07068. 22: 2016/10/13. 43: 2022/11/08  
 51: C07D; A61K; A61P  
 71: BALANCE THERAPEUTICS, INC.  
 72: LIEN, LYNDON  
 33: US 31: 61/979,918 32: 2014-04-15  
**54: METHODS FOR TREATING HYPERSOMNIA**  
 00: -  
 Provided herein are methods, formulations and dosing regimens for treating hypersomnia in a subject. For instance, methods provided herein comprise administering a GABA<sub>A</sub> chloride channel blocker. In certain embodiments, the GABA<sub>A</sub> chloride channel blocker is pentylentetrazol (PTZ).

21: 2016/08103. 22: 2016/11/23. 43: 2022/11/10  
 51: G01C  
 71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY  
 72: LIU, WANLI, YANG, BINHAI, ZHAO, YONGTAO, WANG, SHIBO, ZHANG, WUGUO, ZHANG, ZHIZHE  
 33: CN 31: 201510159056.6 32: 2015-04-03  
**54: METHOD AND DEVICE FOR CALIBRATING POSITIONING AND ORIENTATION SYSTEM OF COAL MINING MACHINE BASED ON LASER SCAN**  
 00: -

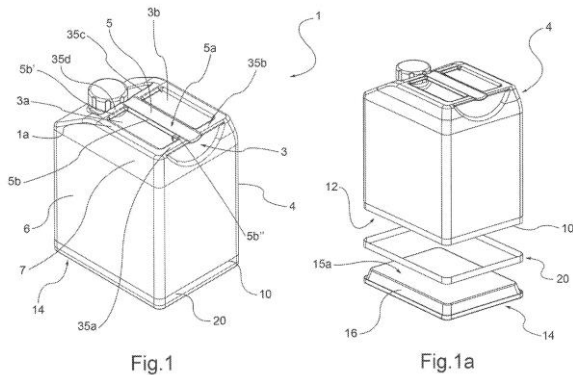
A method and device for calibrating the positioning and orientation system of a coal mining machine (4) based on laser scan, which belong to a method and device for positioning the coal mining machine (4). The device comprises mounting laser signal receiving modules (2) and a data processing storage module (3) on the coal mining machine (4), wherein

the number of the laser signal receiving modules (2) is no less than two, which record a relative location between each laser signal receiving module (2) and the coal mining machine (4); the data processing storage module (3) and the laser signal receiving module (2) are connected; and a rotary stage system (1) is mounted on hydraulic supports (5), and the distance between two hydraulic supports (5) is less than 50 m. The method is based on laser scan technology, in which a servo motor (8) drives a rotary stage (7), lasers scan the surrounding environment, the laser signal receiving module (2) receives a laser signal and records time information, and the data processing storage module (3) calculates location and orientation information about the coal mining machine (4) at this moment, and transmits the position and orientation information about the coal mining machine (4) to a coal mining machine control centre via a data transmission module. By means of this technical solution, a centimetre-level scan precision can be achieved in the range of 50 meters, and the requirement for the position and orientation precision of the coal mining machine (4) is fully satisfied.



21: 2017/03939. 22: 2017/06/08. 43: 2022/11/21  
 51: B29C; B65D  
 71: NENNA, Umberto, POLI, Fabrizio  
 72: NENNA, Umberto, POLI, Fabrizio  
 33: IT 31: BS2014A000205 32: 2014-12-11  
**54: INTERNALLY HOLLOW BODY, MOULD AND MANUFACTURING METHOD THEREOF**

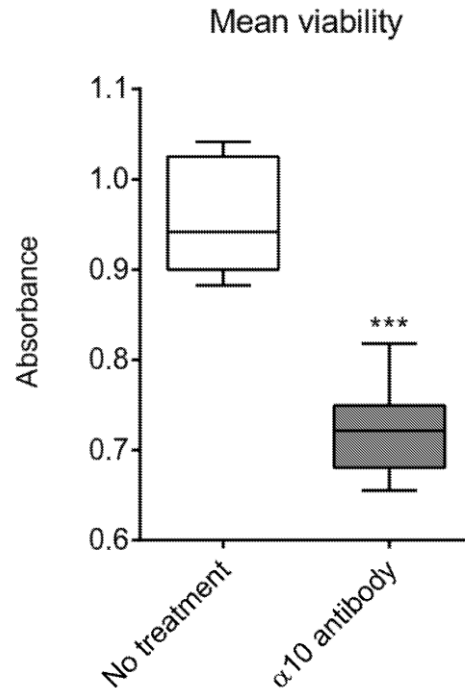
00: -  
 An internally hollow body (1) made of plastic has a cavity (2) for containing liquid, solid or gaseous material, and comprises a main body (4) shaped and having an inner surface (8) that defines at least partially the cavity (2). The inner surface (8) terminates in a shaped edge (10) that delimits a coupling aperture (12) to the cavity (2). The internally hollow body (1) further comprises a closure body (14), having an outer sealing surface (18) suitable to engage at least partially with the inner surface (8) of the main body (4). This closure body (14) is suitable to close at least partially the cavity (2) in correspondence of the coupling aperture (12). The main body (4) is joined to the closure body (14) at least partially along the shaped edge (10) by means of a joining element (20), over-moulded to the main body (4) and the closure body (14) and covering said over-moulding seat resulting between the main body (4) and the closure body (14). A method for making the internally hollow body (1) provides for over-moulding the joining element (20) by injection moulding for example with the use of an over-moulding mould (500).



21: 2017/04839. 22: 2017/07/17. 43: 2022/11/08  
 51: A61K; C12Q; G01N  
 71: TARGINTA AB  
 72: LUNDGREN ÅKERLUND, Evy, GISLER, Ramiro, TALTS, Jan  
 33: SE 31: 1550168-7 32: 2015-02-16  
**54: DETECTION AND TREATMENT OF MALIGNANT TUMOURS IN THE CNS**

00: -  
 The present invention concerns methods of diagnosing and treating a malignant neoplasm of the CNS by detecting mammalian tissue expressing

integrin alpha 10 subunit or a fragment or variant thereof, and administering a drug specific for integrin alpha 10 subunit.



21: 2017/05176. 22: 2017/07/31. 43: 2022/11/08  
 51: A61K; C07K; A61P  
 71: TRIGEMINA, INC.  
 72: YEOMANS, DAVID C, CARSON, DEAN, THIRUCOTE, RAMACHANDRAN  
 33: US 31: 62/100,862 32: 2015-01-07  
**54: MAGNESIUM-CONTAINING OXYTOCIN FORMULATIONS AND METHODS OF USE**

00: -  
 Disclosed are magnesium-containing oxytocin peptide formulations or compositions comprising an oxytocin peptide and a magnesium salt that produces synergistic analgesia when used in treating pain. Also disclosed are methods for the treatment of pain (such as migraine headache) comprising co-administration of an oxytocin peptide and a magnesium salt.

21: 2017/05297. 22: 2017/08/04. 43: 2022/11/08  
 51: C12Q; A61M; G01N  
 71: STICHTING SANQUIN BLOEDVOORZIENING  
 72: VAN BRUGGEN, ROBIN, VISSER, ASTRID ELISABETH

33: EP 31: 15152486.5 32: 2015-01-26

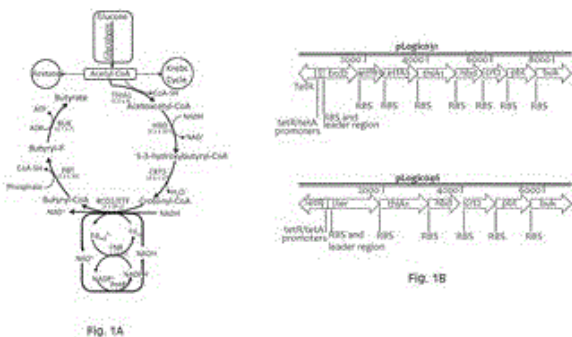
**54: METHODS AND SYSTEMS FOR THE DETECTION AND REMOVAL OF PATHOGENS FROM BLOOD**

00: -  
The invention relates to methods and systems for removal of pathogens from blood or blood products. The invention further relates to methods and systems for treatment and diagnosis of infection in the blood and/or sepsis in a patient in need thereof.

21: 2017/05873. 22: 2017/08/29. 43: 2022/11/08  
51: A61K; C12N  
71: SYNLOGIC OPERATING COMPANY, INC.  
72: FALB, DEAN, ISABELLA, VINCENT M, KOTULA, JONATHAN W, MILLER, PAUL F  
33: US 31: 62/127,131 32: 2015-03-02  
33: US 31: 62/248,805 32: 2015-10-30  
33: US 31: 62/248,825 32: 2015-10-30  
33: US 31: 62/256,048 32: 2015-11-16  
33: US 31: 62/291,468 32: 2016-02-04  
33: US 31: 62/256,042 32: 2015-11-16  
33: US 31: 62/127,097 32: 2015-03-02  
33: US 31: 14/998,376 32: 2015-12-22  
33: US 31: 62/184,770 32: 2015-06-25  
33: US 31: 62/248,814 32: 2015-10-30  
33: US 31: 62/291,461 32: 2016-02-04  
33: US 31: 62/291,470 32: 2016-02-04  
33: US 31: 62/256,044 32: 2015-11-16

**54: BACTERIA ENGINEERED TO TREAT DISEASES THAT BENEFIT FROM REDUCED GUT INFLAMMATION AND/OR TIGHTENED GUT MUCOSAL BARRIER**

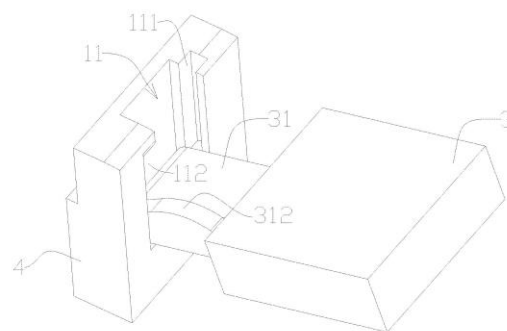
00: -  
Genetically engineered bacteria, pharmaceutical compositions thereof, and methods of treating or preventing autoimmune disorders, inhibiting inflammatory mechanisms in the gut, and/or tightening gut mucosal barrier function are disclosed.



21: 2017/08311. 22: 2017/12/07. 43: 2022/11/01  
51: B65D  
71: Shanghai Hongyan Returnable Transit Packagings Co., Ltd.  
72: \*

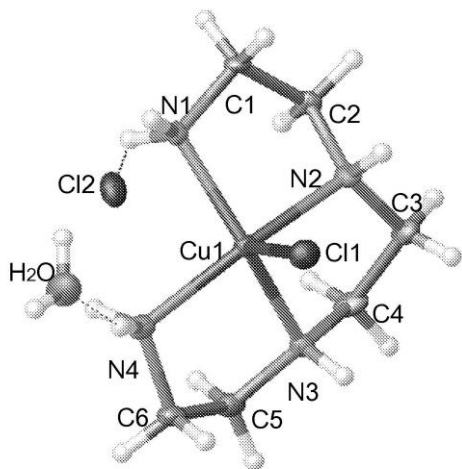
**54: FOLDABLE CONTAINER**

00: -  
A foldable container (100), comprising a base (1) and two pairs of side plates (2, 3), and the side plates (2, 3) are connected to the base (1) via a hinge structure. A plurality of protruding portions are disposed below the side plate (3), and a plurality of grooves matching the protruding portions are disposed on the base (10). The hinge structure is disposed in at least one of the protruding portions and at least one of the grooves. At least one of the protruding portions is further provided with a continuous curved surface profile, and at least one of the grooves is further provided with at least one matching surface, or at least one of the grooves is provided with a continuous curved surface profile, and at least one of the protruding portions is provided with a matching surface. The matching surface matches the continuous curved surface profile, and when the side plate changes from a folded state to an open state, the continuous curved surface profile remain contacting with the matching surface. The foldable container can address the problems of interference and collision in a process of unordered rotation of hinged side plates.



21: 2018/01872. 22: 2018/03/20. 43: 2022/11/01  
51: A61K; A61P  
71: Innolife Co., Ltd.  
72: KANG, Yujian James  
33: PCT(CN) 31: 2015/090528 32: 2015-09-24  
**54: USE OF TRIENTINE TO DELIVER COPPER TO ISCHEMIC TISSUE**  
00: -

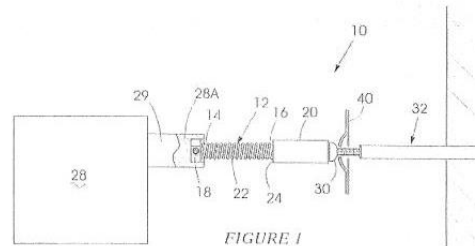
Methods of ischemic tissue repair and regeneration through promoting tissue redistribution and reuse of copper by administering a composition comprising a copper chelating tetramine, such as trientine. Methods and compositions for increasing intracellular copper level and/or inducing repair of an ischemic tissue in an individual. Increased copper level in an ischemic tissue may promote copper-dependent HIF-1 transcriptional activities and tissue repair.



21: 2018/01906. 22: 2018/03/22. 43: 2022/11/08  
 51: E21D  
 71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD  
 72: PASTORINO, Paolo Ettore, BERGHORST, Adriaan  
 33: ZA 31: 2017/02657 32: 2017-04-18  
**54: ROCK BOLT INSTALLATION TOOL**  
 00: -

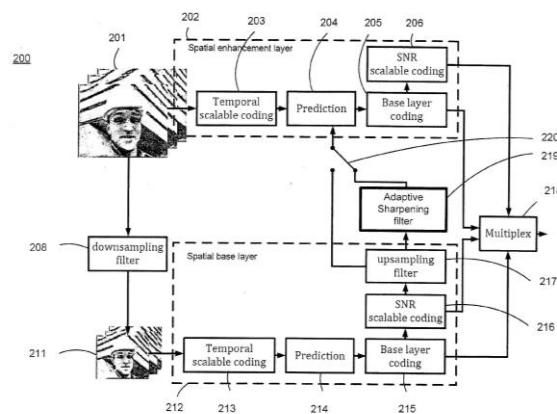
A tool to aid in the installation of a rock bolt assembly in a rock hole which includes a drive shaft having a proximal end, which is adapted to engage with a drilling rig, and a distal end which includes a recess which is adapted to receive a trailing end portion of the rock bolt and which has a first seat against which an axially pre-set component of the rock bolt assembly abuts, a tubular sleeve telescopically engaged with the shaft which has a first end, which is adapted to receive an axially moveable component of the rock bolt assembly and which has a second seat against which the axially moveable component abuts, and a second end, wherein the sleeve is reciprocally moveable relatively to the shaft between a biased forward

position in which the axially pre-set component and the axially moveable component are spaced, and a retracted second position in which the axially pre-set component engages or connects to the axially moveable component.



21: 2018/02149. 22: 2018/04/03. 43: 2022/11/01  
 51: H04N  
 71: Huawei Technologies Co., Ltd.  
 72: IKONIN, Sergey Yurievich, SYCHEV, Maxim Borisovitch, STEPIN, Victor Alexeevich  
**54: ADAPTIVE SHARPENING FILTER FOR PREDICTIVE CODING**  
 00: -

The present invention relates to a video coder (400, 600) for predictive coding, into an encoded video bit stream, of an original block of an original frame based on a prediction block obtained from a reference frame, comprising a buffer (401, 601) configured to store the original block, a buffer (408, 608) configured to store the prediction block, and an adaptive sharpening filter (409, 609) configured to apply a spatial adaptive sharpening filtering to the prediction block.

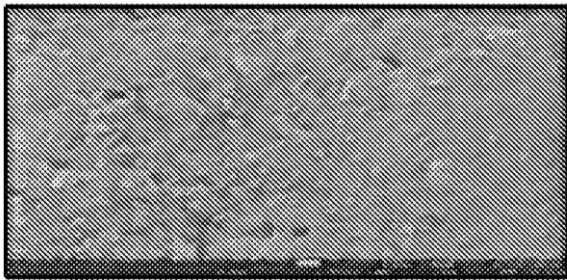


21: 2018/02498. 22: 2018/04/16. 43: 2022/11/21  
 51: B01D; B01J



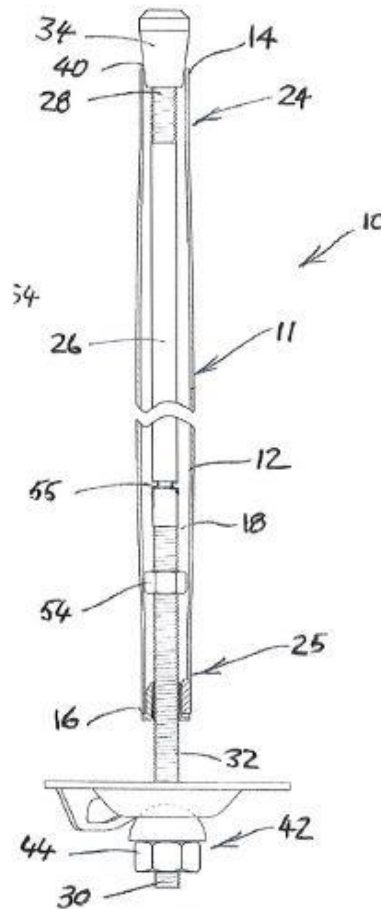
71: AIR CROSS, INC.  
 72: DUKE, Christopher  
 33: US 31: 62/221,030 32: 2015-09-20  
 33: US 31: 62/237,699 32: 2015-10-06  
**54: OZONOLYSIS FOR ACTIVATION OF COMPOUNDS AND DEGRADATION OF OZONE**  
 00: -  
 The present invention relates to inositol derivatives covalently modified with one, two or three solubility functions, particularly polyethylene glycol moieties, for use in therapy or prevention of conditions related to pathological calcium crystallization, such as cardiovascular calcifications, nephrocalcinosis, calcinosis cutis, chondrocalcinosis and kidney stones.

21: 2018/02874. 22: 2018/05/02. 43: 2022/11/08  
 51: B01J; C05G  
 71: SABIC Global Technologies B.V.  
 72: POSADA, Christina, HAIGH, James, HARPER, Travis, KANAGALINGAM, Sabeshan, KANNAN, Ganesh  
 33: US 31: 62/255,669 32: 2015-11-16  
**54: COATED GRANULAR FERTILIZERS, METHODS OF MANUFACTURE THEREOF, AND USES THEREOF**  
 00: -  
 A coated fertilizer comprising a fertilizer granule and a coating disposed on a surface of the fertilizer granule, wherein the coating comprises interpenetrating domains comprising polymer domains and wax domains. A method of making the coated fertilizer is also disclosed.



21: 2018/02957. 22: 2018/05/07. 43: 2022/11/08  
 51: E21D  
 71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD  
 72: PASTORINO, Paolo Ettore, ABREU, Rual, KNOX, Greig  
**54: ROCK BOLT ASSEMBLY WITH FAILURE ARRESTOR**

00: -  
 The invention provides a rock anchor assembly which includes: a resiliently radially deformable tubular member which longitudinally extends between a leading end and a trailing end and which has an arrestor formation integral with, or engaged to, a trailing end part of the member; an elongate element which longitudinally extends through the member between a first end and a second end and which attaches to the tubular member at spaced distal and proximal load points and which has a failure arrestor fixed at a point within the member; a faceplate on the tubular member or the elongate member; wherein, when the assembly is inserted in a rock hole, with the faceplate bearing against the rock face, and load is applied along the elongate element that will cause the element to sever above the point at which the arrestor is fixed, the failure arrestor engages the arrestor formation to arrest the ejection of a proximal portion of the elongate element from the rock hole.



21: 2018/03354. 22: 2018/05/21. 43: 2022/11/21

51: A61K; A61P

71: ETH ZÜRICH, UNIVERSITÄT BERN

72: IVARSSON, Mattias, CASTAGNER, Bastien,

LEROUX, Jean-Christophe, PASCH, Andreas

33: EP 31: 15199682.4 32: 2015-12-11

33: EP 31: 16164299.6 32: 2016-04-07

33: EP 31: 16173422.3 32: 2016-06-07

**54: INOSITOL DERIVATIVES FOR USE IN PATHOLOGICAL CRYSTALLIZATION**

00: -

The present invention relates to inositol derivatives covalently modified with one, two or three solubility functions, particularly polyethylene glycol moieties, for use in therapy or prevention of conditions related to pathological calcium crystallization, such as cardiovascular calcifications, nephrocalcinosis, calcinosis cutis, chondrocalcinosis and kidney stones.

21: 2018/03551. 22: 2018/05/29. 43: 2022/11/08

51: A61K; A61Q

71: Colgate-Palmolive Company

72: NABI, Zeenat, CHENG, Shujiang, SIOMYK,

Halyna, DU-THUMM, Laurence D.

**54: PERSONAL CARE COMPOSITION COMPRISING TAURINE, ARGININE, GLYCINE**

00: -

Described herein, are personal care compositions comprising taurine in combination with arginine and glycine, and methods for using the compositions to effect reduction of skin irritation and or inflammation, and/or improving barrier repair of the skin.

21: 2018/03626. 22: 2018/05/31. 43: 2022/11/08

51: E21D

71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD

72: CROMPTON, Brendan Robert

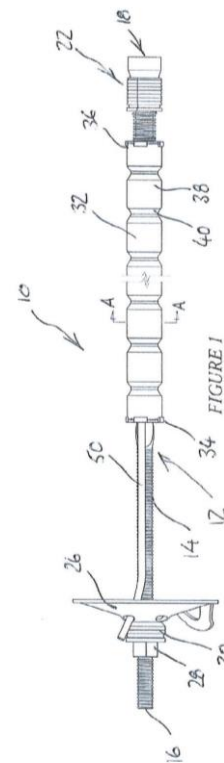
33: ZA 31: 2017/03720 32: 2017-05-31

**54: ROCK BOLT WITH WATER IMPENETRABLE SHEATH**

00: -

The invention provides a groutable rock bolt assembly which includes a rock bolt which has an elongate body which extends between a proximal end and a distal end, a mechanical anchor on the body at or towards the distal end, a faceplate on a proximal end portion of the bolt, a tensioning means between the faceplate and the proximal end, a protective sleeve of a water impermeable material

which encloses a length of the body between the mechanical anchor and the faceplate, which extends between a first end and a second end and which has a distal end closure and a proximal end closure which close the first end and the second end respectively, a grout tube which extends between an inlet end and an outlet end and which penetrates the proximal end closure to present an outlet end within the sleeve, wherein the proximal end closure is sealed to grout egress from an interior of the sleeve, when grout is introduced to the interior through the grout tube, and wherein the distal end closure is formed with a plurality of grout apertures to allow egress of the grout from the first end of the sleeve when the grout has filled the interior.



21: 2018/03680. 22: 2018/06/01. 43: 2022/11/08

51: A01N; C09D

71: ADAMA MAKHTESHIM LTD., RHODIA OPERATIONS

72: SILBERT, GILAD, BERKOVITCH, MICHAEL,

WILSON, DAVID JAMES

33: US 31: 62/265,725 32: 2015-12-10

**54: POLYELECTROLYTE-LAYER FORMING BLOCK COPOLYMERS AND COMPOSITIONS AND USES THEREOF**

00: -

The present invention relates generally to polyelectrolyte-layer forming block copolymers adsorbed at colloid interfaces in aqua solution and compositions and uses thereof. In particular, the present invention relates to agricultural material compositions comprising particles of at least one agricultural material and a polyelectrolyte-layer forming block copolymer. The present invention also relates to non-agricultural material compositions comprising particles of at least one non-agricultural material and a polyelectrolyte-layer forming block copolymer.

21: 2018/03962. 22: 2018/06/13. 43: 2022/11/08  
 51: C12N; C07K  
 71: THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, U.S. GOVERNMENT AS REPRESENTED BY THE DEPARTMENT OF VETERANS AFFAIRS  
 72: SIPRASHVILI, ZURAB, NGUYEN, NGON T, MARINKOVICH, M. PETER, TANG, JEAN, LANE, ALFRED T, KHAVARI, PAUL A  
 33: US 31: 62/414,533 32: 2016-10-28  
 33: US 31: 62/274,700 32: 2016-01-04

**54: GENE THERAPY FOR RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA USING GENETICALLY CORRECTED AUTOLOGOUS KERATINOCYTES**

00: -

Methods are provided for the cell-based delivery of collagen VII for the treatment of Epidermolysis Bullosa and corneal erosion. The disclosure also provides a composition and a pharmaceutical composition comprises, comprise, or alternatively consist essentially of, or yet further consist of a keratinocyte sheet or a corneal cell sheet.

21: 2018/05158. 22: 2018/07/31. 43: 2022/11/09  
 51: C07D; A61K; A61P  
 71: ORCHID PHARMA LTD., MERCK SHARP & DOHME CORP.  
 72: BALASUBRAMANIAN, GOPALAN, PAUL-SATYASEELA, MANEESH, SRINIVASAN, CHIDAMBARAM VENKATESWARAN, IYER, SRIDHAR RAMANATHAN, PERIASAMY, HARIHARAN, PARAMESWARAN, VENKATESAN, THIRUNAVUKKARASU, BHARANI, GUNTURU, PRABHAKAR RAO, DESHKUMAR, MANJULA DEVI, JAKKALA, VENKATESHWARLU, NARGUND,

RAVI P, MILLER, MICHAEL, SINGH, SHEO, DONG, SHUZHI, WANG, HONGWU, YOUNG, KATHERINE  
 33: IN 31: 201641009127 32: 2016-03-16

**54: CARBAPENEM COMPOUNDS**

00: -

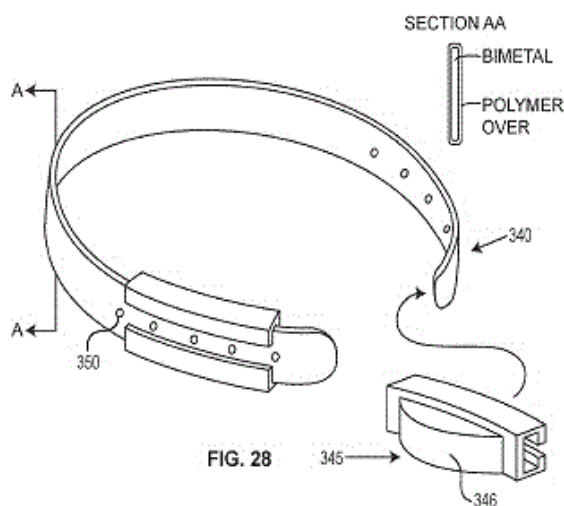
This invention relates to carbapenem compounds, their stereoisomers, pharmaceutically acceptable salts or N-oxides thereof, which may be useful for the treatment of bacterial infections, particularly drug-resistant bacterial infections, as well as the processes for the preparation of compounds, the pharmaceutical compositions of these compounds and their use in the treatment of bacterial infection.

21: 2018/05346. 22: 2018/08/10. 43: 2022/11/08  
 51: A61B; A61H  
 71: Q30 SPORTS SCIENCE, LLC  
 72: WISNIEWSKI, DANIEL FRANCIS, JONES, SHERRY LYNN, LUA, JAMES HUANG, VITITOE, KEVIN JOHN, LEHMAN, JOSEPH M, FLOAT, JAMISON JOSEPH  
 33: US 31: 62/302,509 32: 2016-03-02

**54: METHODS AND DEVICES TO REDUCE DAMAGING EFFECTS OF CONCUSSIVE OR BLAST FORCES ON A SUBJECT**

00: -

The disclosure provides systems, devices, and associated methods for mitigating traumatic brain injury, injury to an ocular structure, or injury to the inner ear of a subject by applying pressure to one or more neck veins before and during an injurious event.



21: 2018/05351. 22: 2018/08/10. 43: 2022/11/01

51: A61L

71: Nano Bridging Molecules SA

72: BUCHINI, Sabrina, CURNO, Richard, ARONSSON, Björn-Owe, PÉCHY, Péter

33: EP(CH) 31: 16155497.7 32: 2016-02-12

**54: IMPROVED TREATMENT OF IMPLANTS WITH PHOSPHONIC ACID COMPOUNDS**

00: -

The present invention relates to a process of treating an implant, comprising a step of treating the surface of the implant with at least one phosphonic acid compound or a pharmaceutically acceptable salt, ester or amide thereof under sonication at a temperature of about 50°C to about 90°C. This process is highly advantageous in that it allows the formation of a monolayer of the phosphonic acid compound on the implant surface, having a particularly dense surface coverage which, in turn, results in an improved implant biocompatibility and improved osseointegration. The invention further relates to a surface-treated implant obtainable by this process and, in particular, it provides an implant having a surface made of a metal, a metal alloy or a ceramic, wherein a phosphonic acid compound or a pharmaceutically acceptable salt, ester or amide thereof is bound to the surface of the implant and forms a monolayer having an implant surface coverage, in terms of the ratio of the phosphorus content to the metal content as determined by X-ray photoelectron spectroscopy (XPS), of at least 70% of a reference maximum surface coverage.

21: 2018/05516. 22: 2018/08/17. 43: 2022/11/01

51: F16B; H02S

71: Array Technologies, Inc.

72: CORIO, Ronald P., WILLIAMSON, John N., MCLANE, Kaleb W.

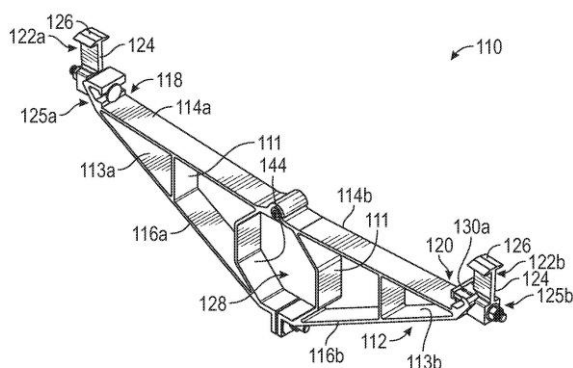
33: US 31: 15/063,098 32: 2016-03-07

**54: MOUNTING BRACKET ASSEMBLIES AND METHODS**

00: -

A mounting bracket assembly is provided in which a mounting bracket includes a first attachable bracket piece and a second attachable bracket piece, a first fastener, a second fastener, and a third fastener. Each attachable bracket piece has a top member and a bottom member connected to the top member at an angle. The first clamp is attached to the top member of the first attachable bracket piece by the first fastener. The second clamp is attached to the

top member of the second attachable bracket piece by a second fastener. The third fastener secures the bottom member of the first attachable bracket piece to the bottom member of the second attachable bracket piece. The mounting bracket defines a beam insertion aperture between the top members and the bottom members. The mounting bracket assembly may include a grounding device located adjacent the top member of the first or second attachable bracket piece.



21: 2018/05524. 22: 2018/08/17. 43: 2022/11/08

51: C08L; C08F; C08K; C05B; C05G

71: VERDESAN LIFE SCIENCES U.S., LLC

72: MAZO, JACOB, MAZO, GRIGORY

33: US 31: 62/296,752 32: 2016-02-18

**54: POLYMERIC COMPOSITIONS WHICH MINIMIZE PHOSPHATE FIXATION**

00: -

Polymeric compositions useful for use with solid or liquid phosphate fertilizers include one or more first copolymers having at least two repeat units selected from maleic, itaconic, and sulfonate repeat units, and one or more second copolymers having maleic and olefinic repeat units. The compositions are capable of synergistically reducing or eliminating phosphate fixation, and are relatively low in cost. The compositions may also be supplemented with product-marking dyes and second copolymers having high and low molecular weight profiles in order to control fines or dust during handling and application of solid phosphate fertilizers.

21: 2018/05547. 22: 2018/08/20. 43: 2022/11/08

51: A61K; C07K; A61P; C12N

71: CAMRIS INTERNATIONAL, INC.  
 72: AGUIAR, JOAO CARLOS  
 33: US 31: 62/296,464 32: 2016-02-17

**54: NOVEL ANTIGEN FOR USE IN MALARIA VACCINE**

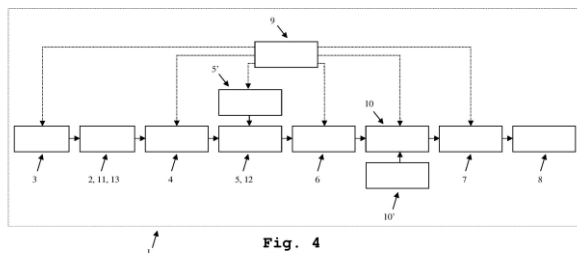
00: -  
 The present invention provides polypeptides useful as antigens expressed at the pre-erythrocytic stage of the malaria parasite. The antigens can be utilized to induce an immune response and sterile protection against malaria in a mammal by administering the antigens in vaccine formulations or expressing the antigens in DNA or other recombinant protein expression systems delivered as a vaccine formulation.

21: 2018/05575. 22: 2018/08/21. 43: 2022/11/01  
 51: G01V

71: Senstronic (Société par Actions Simplifiée)  
 72: LOTZ, Thomas  
 33: FR 31: 1652242 32: 2016-03-16

**54: FACTOR 1 INDUCTIVE SENSOR DEVICE**

00: -  
 The invention relates to a "factor 1" and inductive sensor device (1) comprising an LC resonant circuit (2) powered by a suitable generator (3), an operational chain of means (4, 5, 6) of acquisition by sampling and processing of the response signal, and a functional set of means (7, 8) of evaluating at least one temporarily set value of the processed signal and supplying detection or non-detection information. Said sensor device (1) is characterised in that the acquisition and processing means comprise analog means (5) for filtering and/or amplifying the sampled response signal, and a means (10) for compensating the temperature drift of the response signal by correcting the sampled signal following the digital conversion thereof, associated with or comprising a temperature sensor (10').



21: 2018/05648. 22: 2018/08/23. 43: 2022/11/08

51: A61K; C07K; A61P  
 71: BIOMARIN PHARMACEUTICAL INC.  
 72: MOSHASHAEE, SAEED, PINKSTAFF, JASON K, SHAYWITZ, ADAM, CIACCIO, NATALIE  
 33: US 31: 62/299,188 32: 2016-02-24  
 33: US 31: 62/428,221 32: 2016-11-30

**54: TARGETED THERAPEUTIC LYSOSOMAL ENZYME FUSION PROTEINS, ASSOCIATED FORMULATIONS AND USES THEREOF**

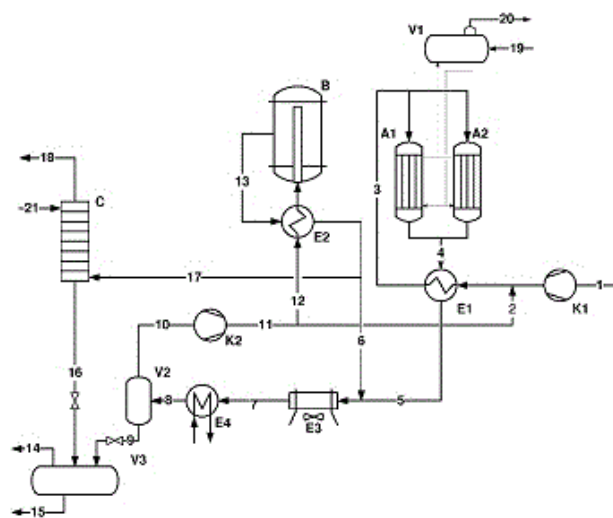
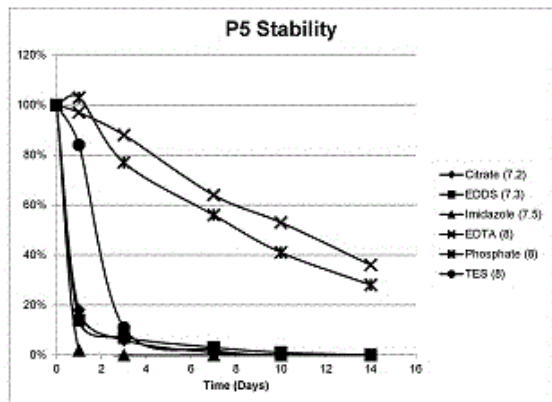
00: -  
 The present disclosure relates in general to therapeutic lysosomal enzyme fusion proteins useful for treating lysosomal storage diseases, liquid formulations comprising such fusion proteins and associated methods useful for treating lysosomal storage diseases in mammals.

21: 2018/05811. 22: 2018/08/29. 43: 2022/11/08  
 51: A61K

71: PLANT HEALTH CARE, INC.  
 72: WEI, ZHONGMIN, ZORNETZER, GREGORY A  
 33: US 31: 62/319,138 32: 2016-04-06

**54: HYPERSENSITIVE RESPONSE ELICITOR-DERIVED PEPTIDES AND USE THEREOF**

00: -  
 Disclosed are hypersensitive-response eliciting peptides and non-hypersensitive response eliciting peptides that induce active plant responses, and that exhibit improved solubility, stability, resistance to chemical degradation, or a combination of these properties. Use of these peptides or fusion polypeptides, or DNA constructs encoding the same, for modulating plant biochemical signaling, imparting disease resistance to plants, enhancing plant growth, imparting tolerance to biotic stress, imparting tolerance and resistance to abiotic stress, imparting desiccation resistance to cuttings removed from ornamental plants, imparting post-harvest disease or post-harvest desiccation resistance to a fruit or vegetable, or enhancing the longevity of fruit or vegetable ripeness are also disclosed.



21: 2018/05813. 22: 2018/08/29. 43: 2022/11/08  
51: C07C; B01J

71: HALDOR TOPSØE A/S  
72: MODARRESI, HASSAN

33: DK 31: PA 2016 00192 32: 2016-03-30

**54: A METHANOL SYNTHESIS PROCESS LAYOUT FOR LARGE PRODUCTION CAPACITY**

00: -

A process layout for large scale methanol synthesis comprises one or more boiling water reactors and one or more radial flow reactors in series, the boiling water reactor (s) being fed with approximately fresh make-up syngas. The methanol synthesis loop comprises a make-up gas compressor K1, a recycle gas compressor K2, two or more boiling water converters for methanol synthesis (A1, A2,...), a radial flow converter (B) for methanol synthesis, a steam drum (V1), a high pressure separator (V2), a low pressure separator (V3), feed effluent heat exchangers (E1 and E2), a wash column (C), an air cooler (E3) and a water cooler (E4).

21: 2018/05853. 22: 2018/08/30. 43: 2022/11/16  
51: A61K; C07D; A61P

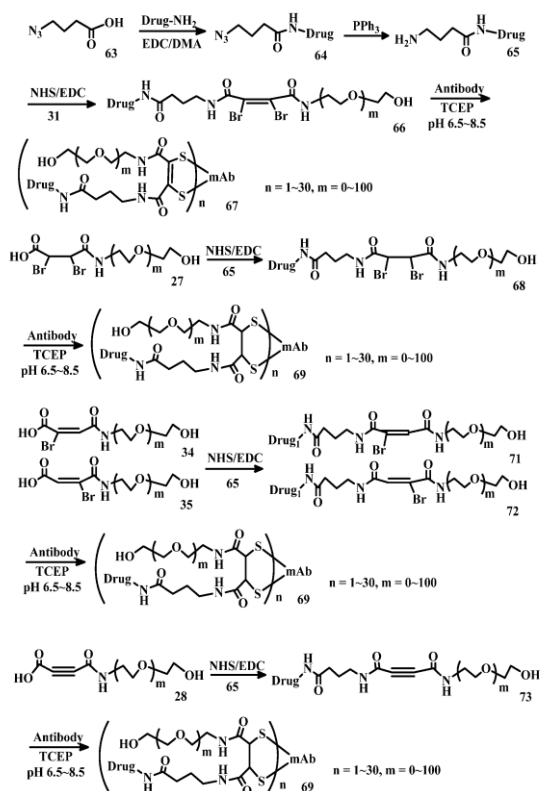
71: HANGZHOU DAC BIOTECH CO., LTD.

72: ZHAO, Robert Yongxin, YANG, Qingliang, HUANG, Yuanyuan, GAI, Shun, ZHAO, Linyao, YE, Hangbo, GUO, Huihui, TONG, qianqian, CAO, Minjun, JIA, Junxiang, YANG, Chengyu, LI, Wenjun, ZHOU, Xiaomai, XIE, Hongsheng, LIN, Chen, GUO, Zhixiang, YE, Zhicang

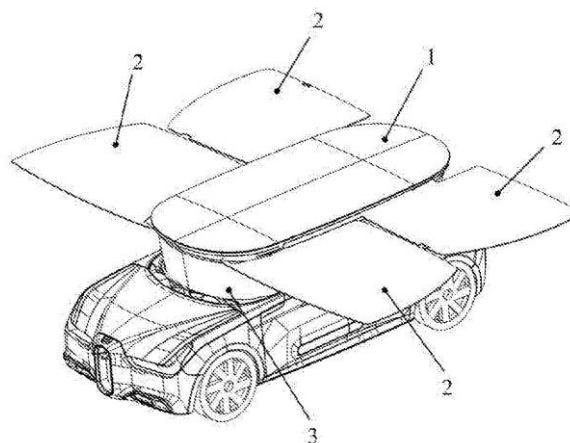
**54: SPECIFIC CONJUGATION LINKERS, SPECIFIC IMMUNOCONJUGATES THEREOF, METHODS OF MAKING AND USES SUCH CONJUGATES THEREOF**

00: -

Disclosed are linkers containing a 2,3-disubstituted succinic group, or 2-monosubstituted, or 2,3-disubstituted fumaric or maleic (trans (E)- or cis (Z)-butenedioic), or acetylenedicarboxyl group for conjugation of a cytotoxic agent, and/or one or more different functional molecules per linker to a cell-binding molecule, through bridge linking pairs of thiols on the cell-binding molecule specifically. Also disclosed are methods of making such linkers, and of using such linkers in making homogeneous conjugates, as well as of application of the conjugates in treatment of cancers, infections and autoimmune disorders.



automobile. A turnover adjustment end of the turnover device is connected and fixed to the movable plate to adjust an angle of the movable plate with respect to the vehicle body of the automobile. In the laterally expandable photovoltaic device and the solar powered automobile of the present invention, a rotation driving device drives a movable plate to expand towards one side of a vehicle body of an automobile so as to increase an area capable of collecting solar power. The movable plate can be stored when the solar powered automobile is driving so that it does not affect driving.



21: 2018/05876. 22: 2018/08/31. 43: 2022/11/01  
 51: B60L  
 71: Dong Han New Energy Automotive Technology Co., Ltd

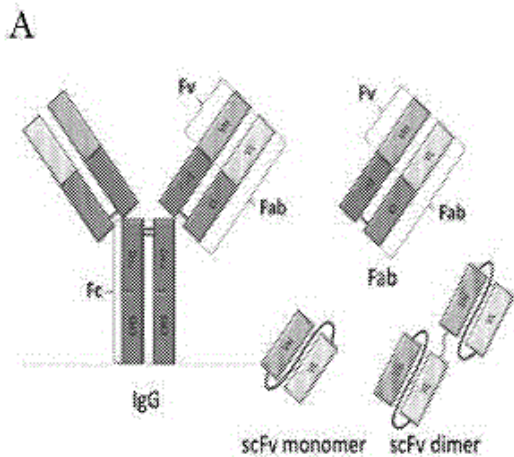
72: YU, Xiang  
 33: CN 31: 201720585146.6 32: 2017-05-24  
**54: LATERALLY EXPANDABLE PHOTOVOLTAIC DEVICE AND SOLAR POWERED AUTOMOBILE**

00: -  
 Provided are a laterally expandable photovoltaic device and a solar powered automobile. The photovoltaic device comprises at least one movable plate having a solar cell chip laid thereon, a rotation driving device for connecting and fixing the movable plate to a vehicle body of an automobile, and a turnover device. The rotation driving device comprises a fixing end and a driving end. The rotation driving device is fixed to the vehicle body of the automobile by means of the fixing end. The driving end of the rotation driving device is connected and fixed to the movable plate. The rotation driving device drives the movable plate to rotate to one side of the vehicle body of the automobile. A fixing end of the turnover device is connected and fixed to the vehicle body of the

21: 2018/05990. 22: 2018/09/06. 43: 2022/11/08  
 51: G01N; C07K; A61K  
 71: RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY

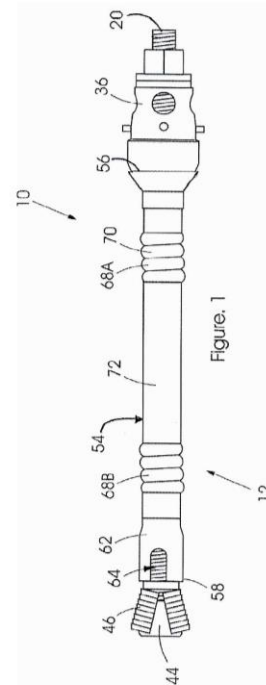
72: PINTER, ABRAHAM, CHOUDHARY, ALOK  
 33: US 31: 62/293,406 32: 2016-02-10  
**54: NOVEL ANTI-LAM AND ANTI-PIM6/LAM MONOCLONAL ANTIBODIES FOR DIAGNOSIS AND TREATMENT OF MYCOBACTERIUM TUBERCULOSIS INFECTIONS**

00: -  
 The present invention broadly provides different compositions, kits, vectors, and methods including monoclonal antibodies directed to epitopes found within lipoarabinomannan (LAM) and phosphatidyl-myo-inositol mannoside 6 (PIM6) for the diagnosis and treatment of Mycobacterium tuberculosis infections.



21: 2018/06006. 22: 2018/09/07. 43: 2022/11/08  
 51: E21D  
 71: EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD  
 72: BERGHORST, Adrian, CAWOOD, Martin, VISSER, Henri  
 33: ZA 31: 2017/06087 32: 2017-09-07  
**54: ADAPTED GROUT DELIVERY SLEEVE**  
 00: -

One aspect of the invention provides a rock anchor assembly which includes: a tubular sleeve which extends between a first end and a second end and which has anchor retaining portion which opens on the second end; a rock anchor with an elongate body which extends between a distal end and a proximal end and which is received in the tubular sleeve with the proximal and distal ends of the body projecting from the first and second ends respectively of the sleeve; a tensioning and locking assemblage on the anchor body between the proximal end and the first end of the sleeve, a forward part of which is engageable with the first end of the sleeve; and a mechanical anchor engaged to the anchor body at the distal end which, from an unexpanded configuration, is radially expandable to an expanded configuration; wherein the anchor retaining portion is adapted to at least partially retain the mechanical anchor in the unexpanded configuration; and wherein the anchor retaining portion is adapted to expand circumferentially to accommodate retracted ingress of the anchor in the expanded configuration.



21: 2018/06060. 22: 2018/09/10. 43: 2022/11/17  
 51: A61K; C12N  
 71: TEMPLE UNIVERSITY - OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION  
 72: KHALILI, Kamel, HU, Wenhui  
 33: US 31: 62/295,390 32: 2016-02-15  
 33: US 31: 62/298,722 32: 2016-02-23  
 33: US 31: 62/337,994 32: 2016-05-18  
 33: US 31: 62/345,520 32: 2016-06-03  
 33: US 31: 62/363,625 32: 2016-07-18  
 33: US 31: 62/410,496 32: 2016-10-20  
**54: EXCISION OF RETROVIRAL NUCLEIC ACID SEQUENCES**  
 00: -

Compositions for the in vivo delivery of a gene editing CRISPR/Cas9 complex was developed to eliminate integrated retroviral DNA sequences from latently infected human cells and animal disease models.

21: 2018/06135. 22: 2018/09/13. 43: 2022/11/01  
 51: C22B  
 71: Publichnoe Aktsionernoe Obschestvo "Gorno-Metallurgicheskaya Kompaniya "Norilsky Nikel"  
 72: TSYMBULOV, Leonid Borisovich, KNYAZEV, Mihail Viktorovich, TOZIK, Viktor Mihailovich, PIGAREV, Sergei Petrovich, FOMICHEV, Vladimir Borisovich, LAZAREV, Vladimir Ilich, EROSHEVICH, Sergei Yurevich, IVANOV, Viktor Aleksandrovich

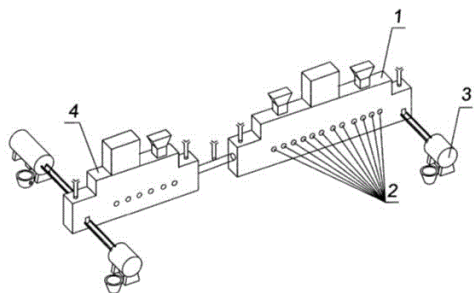


33: RU 31: 2015146716 32: 2016-04-01

**54: METHOD FOR CONTINUOUSLY CONVERTING NICKEL-CONTAINING COPPER SULPHIDE MATERIALS**

00: -

The present method can be used for converting nickel-containing copper sulphide materials. A method for continuously converting nickel-containing copper sulphide materials into blister copper, waste slag and a copper-nickel alloy includes smelting the materials together with SiO<sub>2</sub> and CaO-containing fluxes and coal in a Vanyukov converting furnace to produce blister copper, gases with a high concentration of SO<sub>2</sub>, and slag with an SiO<sub>2</sub>/CaO concentration ratio of from 3:1 to 1:1, in which the sum of the iron, nickel and cobalt concentrations is not more than 30 wt%, at a specific oxygen consumption in the range of 150-240 nm<sup>3</sup> per ton of dry sulphide material for conversion, and depleting the slag in a separate unit, namely a Vanyukov reduction furnace, using a mixture of an oxygen-containing gas and a hydrocarbon fuel at an oxygen consumption coefficient ( $\alpha$ ) in a range of from 0.5 to 0.9, together with coal, to produce waste slag and a copper-nickel alloy. The technical result is the production of blister copper, waste slag and a copper-nickel alloy using a continuous method, while separating the processes of conversion and reduction into separate units, namely two single-zone Vanyukov furnaces.



21: 2018/06214. 22: 2018/09/14. 43: 2022/11/08

51: C10G

71: CMBLU ENERGY AG

72: KRAWCZYK, NASTARAN, MÖLLER, ALEXANDER, GEIGLE, PETER

33: EP 31: PCT/EP2017/000198 32: 2017-02-13

33: EP 31: PCT/EP2016/000575 32: 2016-04-07

**54: METHOD FOR PRODUCING LOW MOLECULAR WEIGHT AROMATIC LIGNIN-DERIVED COMPOUNDS**

00: -

The present invention relates to a method for producing one or more low molecular weight

aromatic lignin-derived compounds. The method preferably comprises providing lignocellulosic material, subjecting the lignocellulosic material to a pulping process, separating pulp to provide a substantially pulp-free process stream comprising a modified lignin-derived component, isolating the modified lignin-derived component, subjecting the isolated modified lignin-derived component to a decomposition step comprising oxidative cracking (cracking and oxidizing) or reducing under the influence of a catalyst or electro-oxidation, and subjecting the resulting products to an isolation step, to provide a low molecular weight aromatic lignin-derived compound. Said compound may be further modified, e.g. by annulation. The inventive method preferably comprises further oxidizing said compound to a redox active compound. Additionally, the present invention relates to compounds obtainable by the inventive method and to an assembly for carrying out the inventive method. Furthermore, the present invention refers to a method for providing an existing pulp and/or paper manufacturing plant with said assembly.

21: 2018/06449. 22: 2018/09/27. 43: 2022/11/08

51: A61K; C07K; C12N

71: VACCINEX, INC.

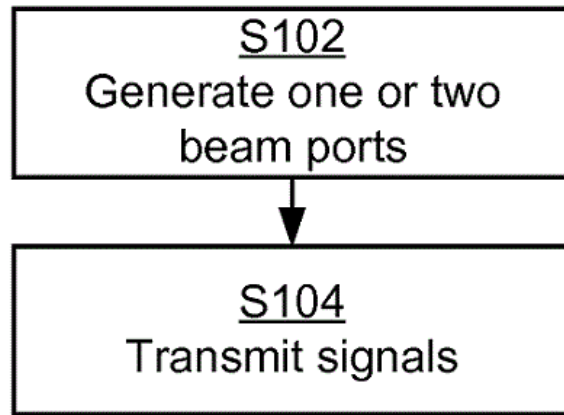
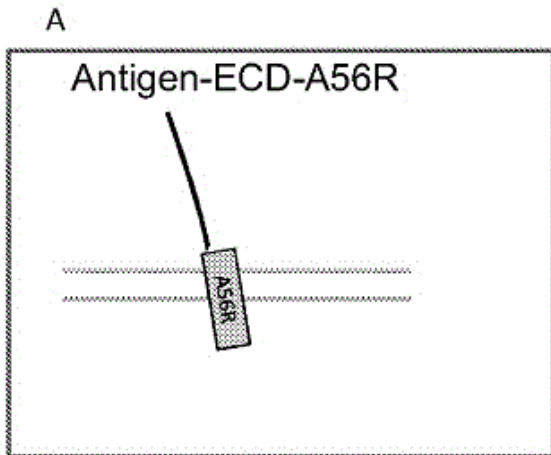
72: SMITH, ERNEST S, PARIS, MARK, SCRIVENS, MARIA G M, KIRK, RENEE A, CORNELISON, ANGELICA A

33: US 31: 62/326,501 32: 2016-04-22

**54: INTEGRAL MEMBRANE PROTEIN DISPLAY ON POXVIRUS EXTRACELLULAR ENVELOPED VIRIONS**

00: -

This disclosure provides compositions and methods for expressing and displaying isolated integral membrane proteins (IMPs) or fragments thereof in a native conformation for use in the screening, selecting, and identifying of antibodies or antibody-like molecules that bind to a target IMP of interest.

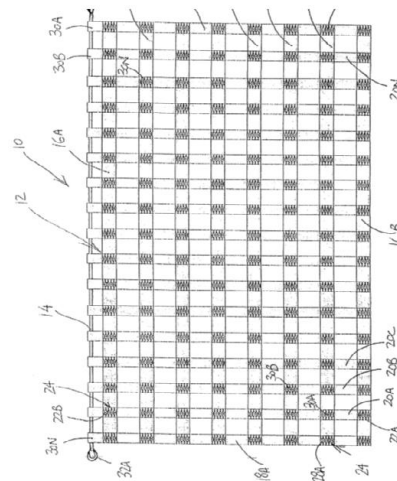


21: 2018/07030. 22: 2018/10/22. 43: 2022/11/21  
 51: H01Q  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: GIRNYK, Maksym, PETERSSON, Sven  
 33: EP 31: PCT/EP2016/060001 32: 2016-05-04  
**54: BEAM FORMING USING AN ANTENNA ARRANGEMENT**  
 00: -

There are provided mechanisms for beam forming using an antenna array comprising dual polarized elements. A method comprises generating one or two beam ports. The one or two beam ports are defined by combining at least two non-overlapping subarrays. Each subarray has two subarray ports. The two subarray ports have identical power patterns and mutually orthogonal polarizations. The at least two non-overlapping subarrays are combined via expansion weight vectors or expansion weight arrays. The expansion weights and map the one or two beam ports to subarray ports such that the one or two beam ports have the same power pattern as the subarrays. At least some of the expansion weights have identical non-zero magnitude and are related in phase to form a transmission lobe. The method comprises transmitting signals using said one or two beam ports.

21: 2018/07427. 22: 2018/11/06. 43: 2022/11/08  
 51: E21F  
 71: NICAUD COMPANIES 22 (PTY) LTD  
 72: FLANAGAN, Frederick William  
 33: ZA 31: 2017/07763 32: 2017-11-16  
**54: BLAST BARRICADE**  
 00: -

The invention provides a blast barricade which includes a suspension cable, adapted at each end with an attaching formation, and a net-like body comprising a quadrilateral boundary of perimeter webbing, a plurality of webbing straps within the boundary, extending in both a first direction and a second direction, with each strap attaching to a respective perimeter member and a plurality of cable loops spaced along one edge of the boundary through which the cable passes to engage the cable to the body.



21: 2018/07745. 22: 2018/11/16. 43: 2022/11/17

51: A61K; C07K; A61P; A61Q

71: CREDENTIS AG

72: HUG, Michael, LYSEK, Dominikus Amadeus

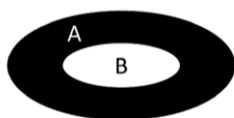
33: EP 31: 16171015.7 32: 2016-05-24

**54: PERSONAL DENTAL CARE PRODUCT FOR CARIES TREATMENT**

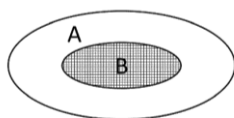
00: -

The present invention provides new dental care products comprising self-assembling peptides that are capable of undergoing self-assembly at a certain pH for use in dental care, e.g. preventing and/or treating a tooth lesion such as a caries lesion, remineralising a tooth surface or increasing smoothness or shine, or for increasing hardness of a tooth surface. The present invention provides dental care products such as chewing gum, toffees or toothpaste, in which the peptides are present in monomeric form for a prolonged period after application into the oral cavity, thereby enabling non-targeted treatment of a plurality of teeth, independent of the diagnosis of an active lesion. Products of the invention are useful for animals and humans.

Fig. 1A



B



21: 2018/08639. 22: 2018/12/20. 43: 2022/11/09

51: A61K; A61P; C07D

71: KalVista Pharmaceuticals Limited

72: DAVIE, Rebecca Louise, EDWARDS, Hannah Joy, EVANS, David Michael, HODGSON, Simon

Teanby, PETHEN, Stephen John, ROOKER, David Philip

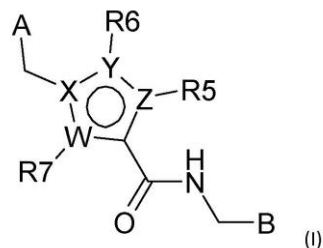
33: US 31: 62/343,363 32: 2016-05-31

33: GB 31: 1609517.6 32: 2016-05-31

**54: PYRAZOLE DERIVATIVES AS PLASMA KALLIKREIN INHIBITORS**

00: -

The present invention provides a selection of compounds of formula (I): (I) compositions comprising such compounds; the use of such compounds in therapy (for example in the treatment or prevention of a disease or condition in which plasma kallikrein activity is implicated); and methods of treating patients with such compounds; wherein R5,R6,R7, A, B,W, X, Y and Z are as defined herein.



21: 2019/02119. 22: 2019/04/04. 43: 2022/11/21

51: A61K; C07C

71: CLEVEXEL PHARMA, INSTITUT GUSTAVE ROUSSY, UNIVERSITÉ PARIS SACLAY

72: WANG-ZHANG, Xiuping, PIVETTE, Perrine,

GONZALEZ, Karine, DEUTSCH, Eric,

CLEMENSON, Céline

33: EP 31: 16306582.4 32: 2016-11-30

**54: PROCESS FOR THE PREPARATION OF FREEZE-DRIED 2-[(3-AMINOPROPYL)AMINO]ETHANETHIOL FORMULATION**

00: -

The present invention relates to a process for the preparation of freeze-dried 2-[(3-aminopropyl)amino]ethanethiol comprising the following steps: a) the reaction of a solution of amifostine with a strong acid, to obtain a solution of 2-[(3-aminopropyl)amino]ethanethiol, and b) the freeze-drying of the solution of 2-[(3-aminopropyl)amino]ethanethiol, with or without addition of excipients.

21: 2019/02276. 22: 2019/04/10. 43: 2022/11/21

51: F02G; F04B

71: MLCEK, Jiri

72: MLCEK, Jiri

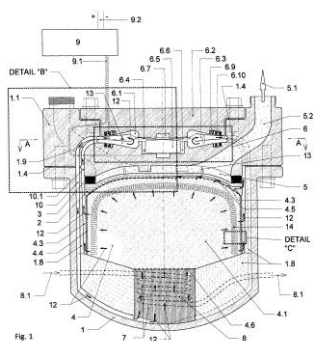
33: CZ 31: PV2016-559 32: 2016-09-13

**54: HEAT ENGINE WITH A DYNAMICALLY CONTROLLABLE HYDRAULIC OUTLET**

00: -

A heat engine with a dynamically controllable hydraulic outlet driven by a high-pressure pump and a gas turbine comprising a pressure vessel (1), a lid (1.1), a movable partition (2), a gas working space (4), a liquid working space (5), and a recuperator (7), wherein a sealing (1.4) is disposed between the pressure vessel (1) and the lid (1.1), wherein in the inner space of the pressure vessel (1) the partition (2) is movably attached to a folded membrane (3) which is attached to the lid (1.1), wherein the partition (2) divides the inner space of the pressure

vessel (1) into the gas working space (4) and the liquid working space (5), wherein the gas working space (4) occupies a larger area thereof, wherein said gas working space (4) is surrounded by a folded permeable membrane (4.4) and further, shaped parts (1.8) are arranged within the pressure vessel, which define an external gas channel (10) which is led between a shell of the pressure vessel (1) and the shaped parts (1.8), while a circumferential gas channel (4.3) is located between the shaped parts (1.8) and the folded membrane (3) and further between a first permeable membrane (4.5) and the partition (2), wherein the gas working space (4) is filled with a microstructure (4.1) made of a solid material with porosity higher than 99 % of its volume, and is surrounded by a second permeable membrane (4.6) to which a recuperator (7) is connected, in the space of which is arranged a heating exchanger (8) connected to an inlet / outlet (8.1) of the heat transfer medium, wherein the recuperator (7) is further surrounded by the shaped parts (1.8), and it is separated from the gas working space (4) by the second permeable membrane (4.6), the external gas channel (10) is fed into the recuperator (7) space on the opposite side of its connection to the gas working space (4), which external gas channel is connected to a pneumatic actuator (6) chamber (6.1), into which is further fed an inner gas channel (10.1), connected to the circumferential gas channel (4.3).



21: 2019/03016. 22: 2019/05/14. 43: 2022/11/16  
 51: C12P  
 71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
 72: BOWIE, James, U., KORMAN, Tyler, P., OPGENORTH, Paul, H.  
 33: US 31: 62/409,731 32: 2016-10-18

**54: MOLECULAR RHEOSTAT FOR COFACTOR BALANCE**

00: -  
 The disclosure provides a metabolic pathway for producing a metabolite, the metabolic pathway having a co-factor regulatory system for cofactor utilization in the metabolic pathway.

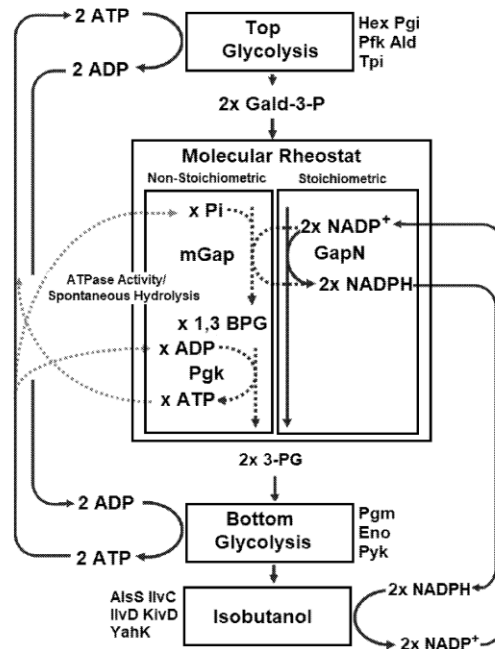


FIG. 1

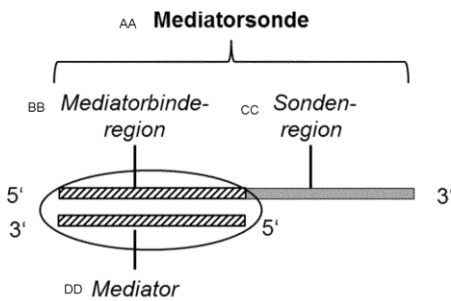
21: 2019/04013. 22: 2019/06/20. 43: 2022/11/21  
 51: C12Q  
 71: HAHN-SCHICKARD-GESELLSCHAFT FÜR ANGEWANDTE FORSCHUNG E.V.  
 72: TROTTER, Martin, WADLE, Simon, VON STETTEN, Felix, BECHERER, Lisa  
 33: DE 31: 10 2016 125 592.0 32: 2016-12-23  
 33: DE 31: 10 2016 125 597.1 32: 2016-12-23  
 33: DE 31: 10 2017 103 284.3 32: 2017-02-17

**54: TWO-PART MEDIATOR PROBE**

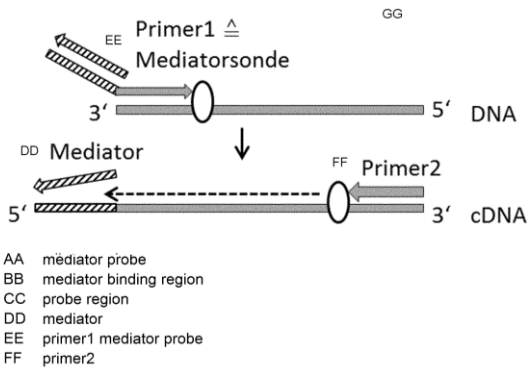
00: -  
 The invention relates to a mediator probe for detecting at least one target molecule, comprising at least two oligonucleotides. A first oligonucleotide of the mediator probe according to the invention comprises a probe region and a mediator binding region, wherein the probe region has an affinity for a target molecule and/or template molecule, and the mediator binding region has an affinity for at least one mediator. At least one additional oligonucleotide of the mediator probe is a mediator which is bound

to the first oligonucleotide of the mediator probe via the mediator binding region and has an affinity for at least one detection molecule. The mediator triggers a detectable signal after the first oligonucleotide of the mediator probe is released by interacting with the detection molecule. The invention additionally relates to a system comprising at least one mediator probe according to the invention and at least one detection module and to a method for detecting at least one target molecule.

Figur 1



Figur 2



21: 2019/04386. 22: 2019/07/03. 43: 2022/11/16  
51: C07K; A61K; A61P  
71: WORG PHARMACEUTICALS (HANGZHOU) CO., LTD.

72: WRAITH, DAVID, SCHURGERS, EVELIEN, MARTIN, KEITH, JANSSON, LISELOTTE

33: GB 31: 1700104.1 32: 2017-01-04

**54: S-ARRESTIN PEPTIDES AND THERAPEUTIC USES THEREOF**

00: -

The present invention relates to a composition which comprises peptides derived from S- Arrestin (retinal arrestin, S-antigen, S-Ag). The composition or peptides may be useful in the prevention and/or

suppression of S-Ag autoimmunity, which is useful in the treatment and/or prevention of uveitis.

21: 2019/04666. 22: 2019/07/16. 43: 2022/11/17  
51: B67D

71: SABEV OU

72: BRKICH, Branislav

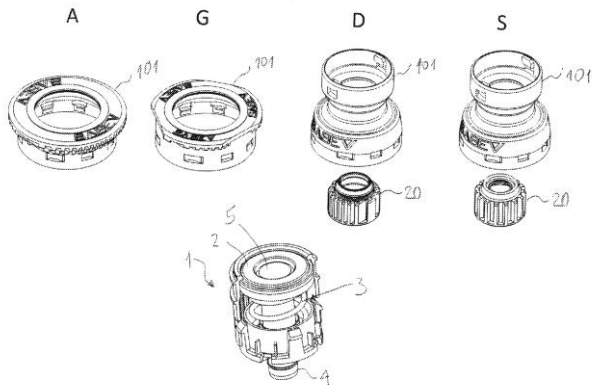
33: IT 31: 102017000003618 32: 2017-01-13

33: IT 31: 102017000058340 32: 2017-05-29

**54: VALVE FOR FILLING AND EMPTYING A PRESSURISED PET CONTAINER**

00: -

The present invention provides a valve device (1) for a container (100) for supplying and dispensing gaseous beverages, comprising a main valve body (1) connected to said container (100) by means of a connecting member (101), said main valve body (1) comprising a supplying and dispensing port (10) of said beverages to/from said container (100), sealing means (2) arranged onto said dispensing port (10), elastic means (3) cooperating with said sealing means (2), beverage dispensing means (4) arranged internally to said main body (1), and pressure controlling means (5,40,41) for controlling a pressure threshold value within said container (100), the valve device it is characterized in that said dispensing means (4) and said pressure threshold value control means (5,40,41) comprises a single member (4,40,41) mounted in a movable manner inside said valve device (1), the arrangement being such that said dispensing means (4) are movable from a first position wherein they cooperate with said sealing means (2) for sealing the gaseous beverage within said container (100), and a second position wherein the gas is spilled out from the container (100) upon exceeding a preset threshold pressure value of gas within said container (100).



21: 2019/05937. 22: 2019/09/09. 43: 2022/11/16  
 51: A61K; C07K; A61P  
 71: TCER AB

72: GRÖNLUND, Hans, BRONGE, Mattias  
 33: SE 31: 1750372-3 32: 2017-03-29

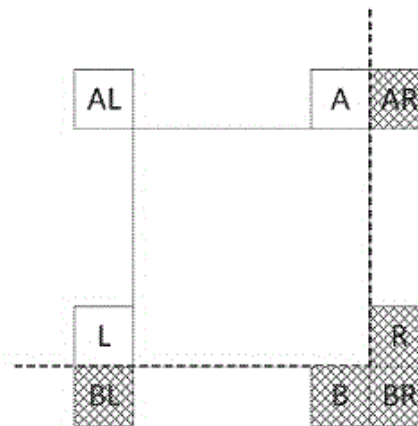
**54: MULTIPLE SCLEROSIS ASSOCIATED AUTOANTIGENS, AND USE THEREOF IN THERAPY AND DIAGNOSIS**

00: -  
 A tolerogenic composition for use in a method of treatment for multiple sclerosis (MS) in a MS patient exhibiting T-cell autoreactivity against an endogenous epitope corresponding to a T-cell epitope comprised in the amino-acid sequence of SEQ ID NO: 5, the composition comprising a therapeutic T-cell epitope comprising a sequence of 8 consecutive amino acid residues differing from a sub-sequence of SEQ ID NO: 5 by 0-2 residue substitutions, deletions and/or insertions, or the composition comprising a nucleic acid encoding said therapeutic T-cell epitope. A method for determining the degree of multiple sclerosis (MS) related autoimmunity in a test subject, comprising providing a test sample derived from the test subject comprising viable T-cells; quantitating antigen-specific activation of the T-cells of the test sample in vitro in response to a test antigen comprising a T-cell epitope, wherein said T-cell epitope is as the above therapeutic T-cell epitope above; and comparing the quantitated antigen-specific activation to a relevant reference to determine the degree of MS-related autoimmunity in the test subject.

21: 2019/06677. 22: 2019/10/09. 43: 2022/11/09  
 51: H04N  
 71: VID SCALE, INC.  
 72: HANHART, PHILIPPE, HE, YUWEN, YE, YAN

33: US 31: 62/484,218 32: 2017-04-11  
 33: US 31: 62/525,880 32: 2017-06-28  
**54: 360-DEGREE VIDEO CODING USING FACE CONTINUITIES**

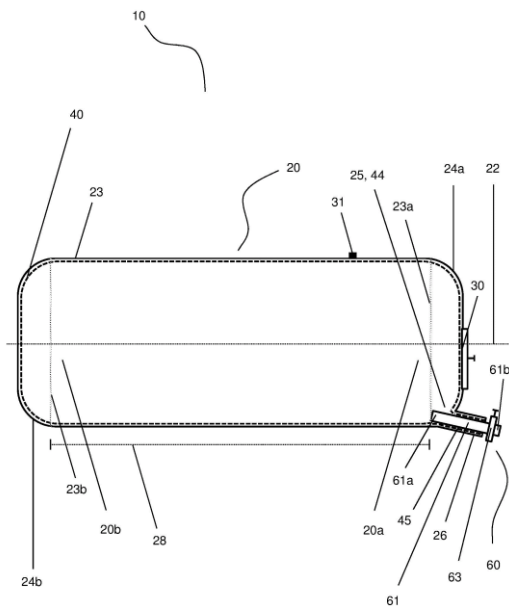
00: -  
 A coding device (e.g., that may be or may include encoder and/or decoder) may receive a frame-packed picture of 380-degree video. The coding device may identify a face in the frame-packed picture that the current block belongs to. The coding device may determine that a current block is located at a boundary of the face that the current block belongs to. The coding device may identify multiple spherical neighboring blocks of the current block. The coding device may identify a cross-face boundary neighboring block. The coding device may identify a block in the frame-packed picture that corresponds to the cross-face boundary neighboring block. The coding device may determine whether to use the identified block to code the current block based on availability of the identified block. The coding device may code the current block based on the determination to use the identified block.



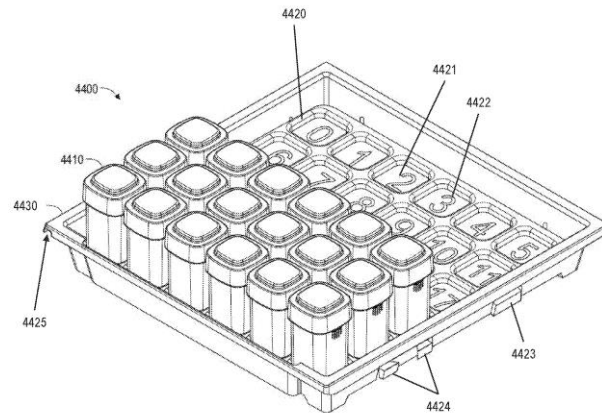
21: 2019/06851. 22: 2019/10/17. 43: 2022/11/01  
 51: B65D  
 71: Mega-Inliner International Group B.V.  
 72: VAN LAARHOVEN, Sidonius Joseph Victor Marie  
 33: NL 31: 2018765 32: 2017-04-24  
**54: ASSEMBLY OF AN INLINER AND A TANK CONTAINER**

00: -  
 The invention relates to an assembly (10) of a tank container (20), an inliner (40) and a connection unit (60) for the transport and/or storage of a liquid. The

inliner is present in the tank container and the outlet of the inliner is connected to the drain hole (25) of the tank container. A connection unit is present that secures the connection of both outlets and at the same time provides a liquid tight and an air tight connection with an external unit for the delivery or discharge of the liquid contents.



the modular container system are modular and stackable. The modular system allow for organized, efficient, accessible and storage of the child-resistant containers. The modular container system also allows for easy counting, sorting and processing of the containers.



21: 2019/07284. 22: 2019/11/01. 43: 2022/11/16  
 51: B65D  
 71: CR PACKAGING LLC  
 72: KNOBEL, Simon, MARKOWITZ, Ari, GONZALEZ, Alexander, ELWELL, Robert, GRANGER, Colin, PINTO, Christopher  
 33: US 31: 62/492,678 32: 2017-05-01

**54: MODULAR SYSTEM FOR INVENTORY AND TRANSPORT EFFICIENCY OF PACKAGING**

00: -  
 Disclosed herein are modular container systems having child-resistant containers, tray inserts and tray frames. Also disclosed are methods using the modular container systems and methods of storing substances in containers. The containers have a container base and a container cap and provide for child-resistant containers. A user can releasably remove the container cap from container base with a squeeze and lift sequence. For example, the user squeezes opposite sides of the container base, which releases a locking mechanism and allows for removal of the cap by lifting or pulling the container cap off from the container base. The components of

21: 2019/08082. 22: 2019/12/05. 43: 2022/11/08  
 51: H01H; H02H  
 71: Eaton Intelligent Power Limited  
 72: ASKAN, Kenan  
 33: GB 31: 1820015.4 32: 2018-12-07  
**54: CIRCUIT BREAKER**  
 00: -

A circuit breaker (1) is proposed, comprising a live line (2) and a neutral line (5) and a semiconductor switching unit (14) located in the live line (2), the circuit breaker (1) further comprises a bypass line (10), which is connected in parallel to the semiconductor switching unit (14), with a first mechanical switch (8) and a second mechanical switch (11) located in the bypass line (10), with the first mechanical switch (8) connected in series to the second mechanical switch (11), whereby the semiconductor switching unit (14), the first mechanical switch (8) and the second mechanical switch (11) are controlled by a processing unit (9) of the circuit breaker (1), which is embodied to send a first opening command to the first mechanical switch (8) in case of a short-circuit-detection, and sending a second opening command to the second mechanical switch (11) a time-delay after sending of the first opening command.

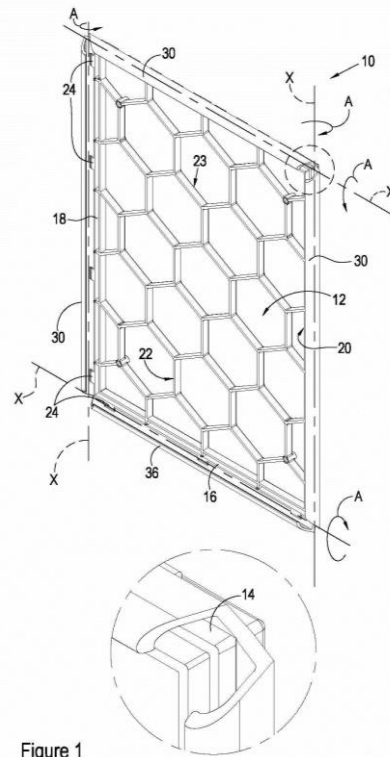
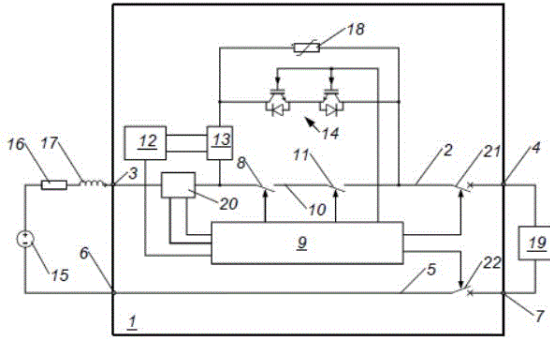


Figure 1

21: 2019/08137. 22: 2019/12/09. 43: 2022/11/11  
 51: G09F  
 71: HEWITT AND ASSOCIATES (PROPRIETARY) LIMITED  
 72: SHELL, Trevor Raymond  
 33: ZA 31: 2018/05970 32: 2018-09-06  
**54: A DISPLAY FRAME**

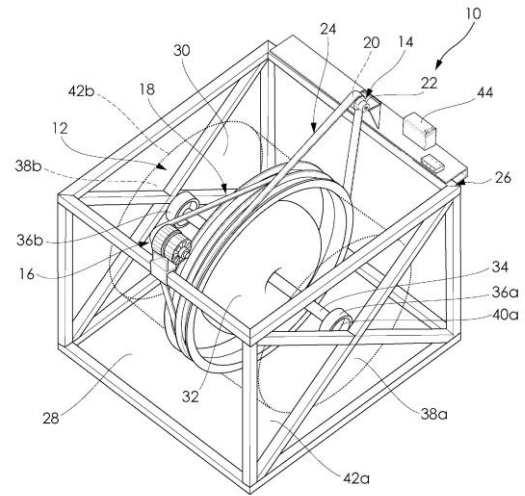
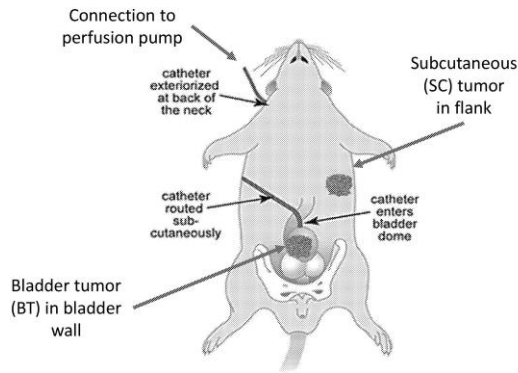
00: -  
 This invention relates to display frames, particularly to display frames for advertising material such print advertising material such as posters, and the like. The display frame comprises a planar frame body and at least one clip member. The frame body is configured to receive planar advertising material thereon and comprises peripheral hinge formations defining grooves. The clip member has a first edge comprising complementary tongues for location in the grooves of the hinge formations of the frame body with friction fit to permit partial hinging of the at least one clip member relative to the frame body in an open state of the display frame and frictional locking of the at least one clip member relative to the frame body in a closed state of the display frame.

21: 2020/00097. 22: 2020/01/07. 43: 2022/11/16  
 51: A61K; A61M; A61P  
 71: TARIS BIOMEDICAL LLC  
 72: GIESING, Dennis  
 33: US 31: 62/536,949 32: 2017-07-25  
**54: METHODS OF TREATING TUMOR METASTASIS**

00: -  
 The present invention provides methods for treating or suppressing tumor metastasis at a site distinct from the bladder in an individual having a urothelial carcinoma of lower tract, comprising locally delivering to the bladder an effective amount of a chemotherapeutic agent (such as gemcitabine), wherein the chemotherapeutic agent is delivered continuously to the bladder for a sustained period of time (such as at least 24 hours).



**FIG. 1** Bladder Cannulation & Perfusion System, Location of Tumors

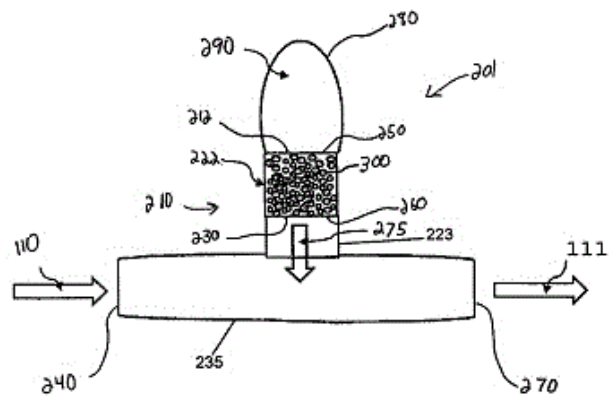
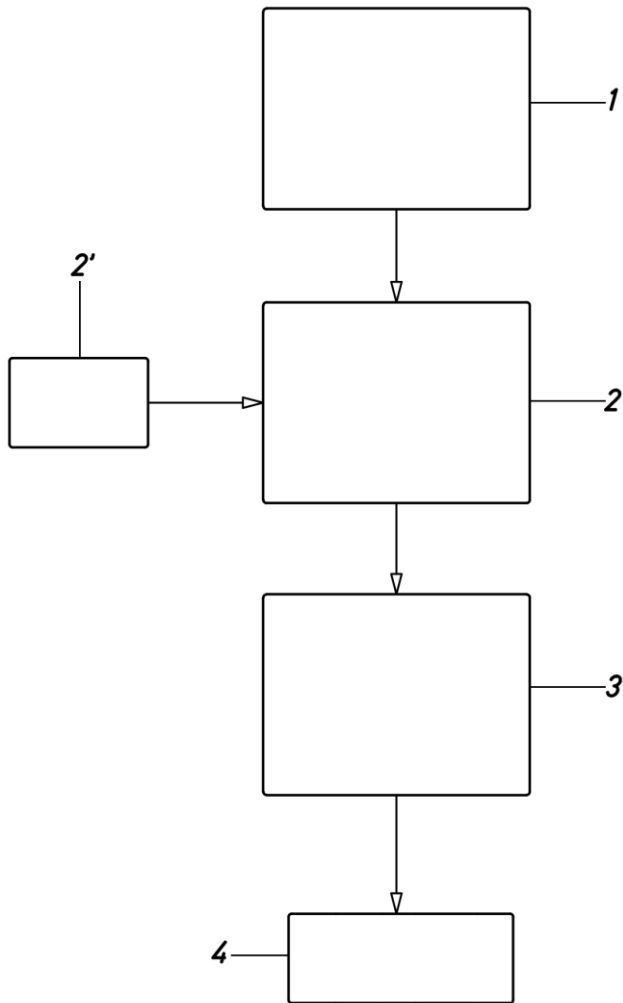


21: 2020/00462. 22: 2020/01/23. 43: 2022/11/16  
 51: F03G; H02K  
 71: Clean Powr Pty Ltd  
 72: KONONEWSKY, Anatole, MCCUTCHEON, Mark  
 33: AU 31: 2017902579 32: 2017-07-03  
**54: APPARATUS FOR GENERATING ENERGY**  
 00: -

The present invention relates broadly to an apparatus (10) for producing electricity and comprising a flywheel assembly (12), drive means (14) operatively coupled to the flywheel assembly (12), and an energy generator (16) operatively coupled to the flywheel assembly (12) via extraction means (18). The drive means (14) includes biasing means (20) connected to an actuator (22) arranged to provide stored energy in the biasing means (20). The apparatus (10) also comprises transmission means (24) coupled between the flywheel assembly (12) and the biasing means (20) wherein release of stored energy from the biasing means (20) provides a driving force which effects rotation of the flywheel assembly (12) which gains momentum. The extraction means (18) is arranged for rapid extraction of the momentum of the flywheel assembly (12). The energy generator (16) generates electricity from the rapidly extracted momentum of the flywheel assembly (12).

21: 2020/00955. 22: 2020/02/14. 43: 2022/11/16  
 51: A61L  
 71: GRIFOLS WORLDWIDE OPERATIONS LIMITED  
 72: SALVADOR MATURANA, Josep  
 33: EP 31: 19382168.3 32: 2019-03-05  
**54: METHOD OF PREPARING CONTAINERS FOR BLOOD-DERIVED PRODUCTS**  
 00: -

Method of preparing containers for blood derived products which comprises at least a filling phase of the blood derived product containers with the blood derived product; a viral inactivation phase of the blood derived product containers; and a quality control phase for detecting possible defects in the blood derived product containers; characterised in that the viral inactivation phase is carried out by placing the blood derived product containers in contact with steam at sub atmospheric pressure in a chamber adapted for that purpose.



21: 2020/01253. 22: 2020/02/27. 43: 2022/11/16  
51: B65D

71: Stora Enso Oyj  
72: TUHKUNEN, Mika

33: FI 31: 20175758 32: 2017-08-24

**54: LEAKPROOF AND LIQUID-TIGHT PACKAGING BOX OF CORRUGATED BOARD AND METHOD FOR FABRICATING IT**

00: -

A leakproof and liquid-tight packaging box of corrugated board, which box is erected mechanically using glueing as an aid. What is essential in the invention is that the corner surfaces of the structurally strong, torsionally rigid, leakproof and liquid-tight packaging box stackable one on top of another are folded and glued to the outer surface of the vertical surface of the short side. In addition, it comprises an inward-formed cone structure of the vertical surface of the long side of the box, and a rigid and load-resistant beam structure is formed on all sides of the packaging box.

21: 2020/00963. 22: 2020/02/14. 43: 2022/11/16  
51: A61J

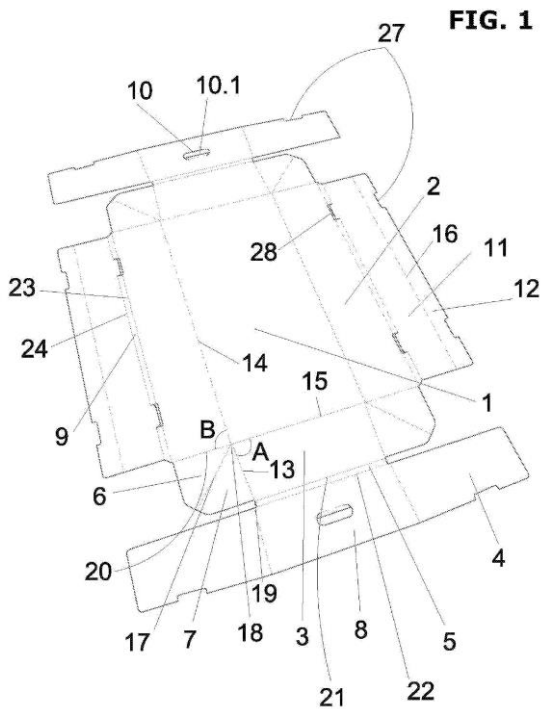
71: ALCRESTA THERAPEUTICS, INC.  
72: FIRST, ERIC, WIDOM, DAVID

33: US 31: 15/998,410 32: 2018-08-15  
33: US 31: 62/546,817 32: 2017-08-17

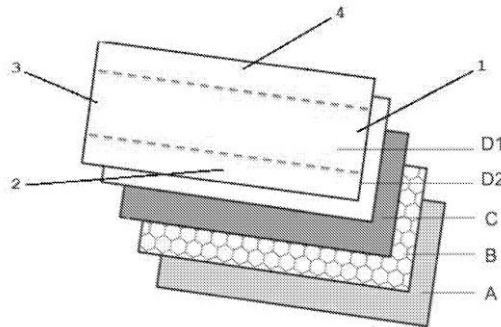
**54: DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA**

00: -

Exemplary embodiments of the disclosure may be drawn to a device having a vessel configured to contain a source of lipids and a chamber fluidly connected to an outlet of the vessel. The chamber may contain immobilized lipase positioned within a flow path in the chamber along which the lipids flow when released from the vessel into the chamber. The device may also include an outlet through which the lipids flow after passing through the chamber.



leakage from the sides. The present lining also has a reduced number of layers laterally owing to one of the layers thereof being narrower than the other layers, providing the wearer with a thinner overlay.



21: 2020/01419. 22: 2020/03/05. 43: 2022/11/21  
51: A41D; A61F; A61H; B32B; D02G; D03D; D04B; D06M

71: EC BRAND COM IMP EXP DE VEST EM GERAL LTDA

72: EWELL, Emily Steed

**54: METHOD FOR STITCHING A MULTI-LAYER GARMENT LINING**

00: -

The present invention relates to a method for stitching a multi-layer, breathable garment lining that can be re-used and is leakproof, and which has absorbent, antimicrobial, impermeable and vapour-dispersive properties. Such a lining is designed to prevent the leakage of body fluids, such as sweat, blood, vaginal fluids, menstrual fluid, urine, breast milk or post-surgery fluids. Such a lining has absorbent, antimicrobial, impermeable and vapour-dispersive properties. The lining may be stitched or adhesively bonded to the garment, which may be women's and men's underwear, shorts, Bermuda shorts, skirts, pants, brassieres, shirts, T shirts, overalls, body-sculpting wear, dresses, and women's and men's nightwear. The stitching method creates channels for the liquid and creates a non-linear "U"-shape structure in the lining in order to prevent

21: 2020/01506. 22: 2020/03/10. 43: 2022/11/16  
51: G10L

71: VoiceAge Corporation

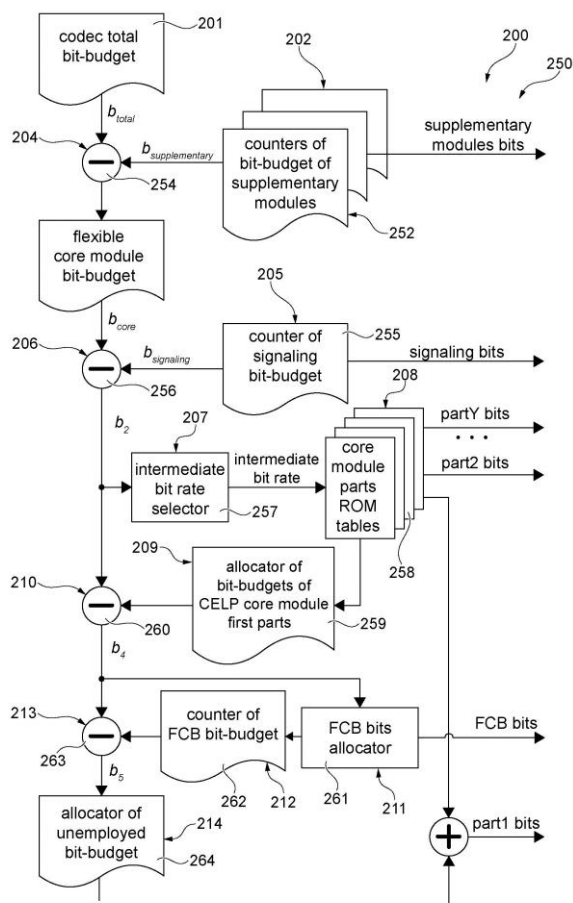
72: EKSLER, Vaclav

33: US 31: 62/560,724 32: 2017-09-20

**54: METHOD AND DEVICE FOR EFFICIENTLY DISTRIBUTING A BIT-BUDGET IN A CELP CODEC**

00: -

A method and device allocates a bit-budget to a plurality of first parts of a CELP core module of (a) an encoder for encoding a sound signal or (b) a decoder for decoding the sound signal. In the method and device, bit-budget allocation tables assign, for each of a plurality of intermediate bit rates, respective bit-budgets to the first CELP core module parts. A CELP core module bit rate is determined and one of the intermediate bit rates is selected based on the determined CELP core module bit rate. The respective bit-budgets assigned by the bit-budget allocation tables for the selected intermediate bit rate are allocated to the first CELP core module parts.



21: 2020/02029. 22: 2020/05/04. 43: 2022/11/25  
 51: B27N; C08L  
 71: SESTEC INNOVATIONS SP. Z O.O.  
 72: EDELMANN, Hans-Joachim  
 33: EP 31: 17192254.5 32: 2017-09-20  
**54: BINDER FOR CELLULOSE-CONTAINING MATERIALS**

00: -  
 The invention relates to a binder for cellulose-containing materials which contains a) hydroxyaldehyde, b) a protein-containing component of animal origin and c) a component comprising phenolic oligomers. The invention likewise relates to the use of the binder according to the invention for producing a composite material, to a process for producing a composite material and to a composite material obtainable by the process according to the invention.

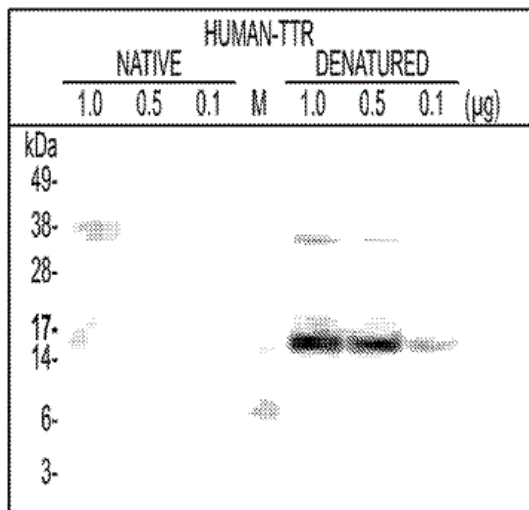
21: 2020/02141. 22: 2020/05/04. 43: 2022/11/16  
 51: A01K A61K

71: PROTHENA BIOSCIENCES LIMITED  
 72: SALMANS, Joshua, Reginald, ALEXANDER, Svetlana, BARBOUR, Robin, HIGAKI, Jeffrey, N., NIJJAR, Tarlochan, S.

33: US 31: 62/569,436 32: 2017-10-06  
 33: US 31: 62/598,965 32: 2017-12-14

**54: ANTI-TRANSTHYRETIN ANTIBODIES**

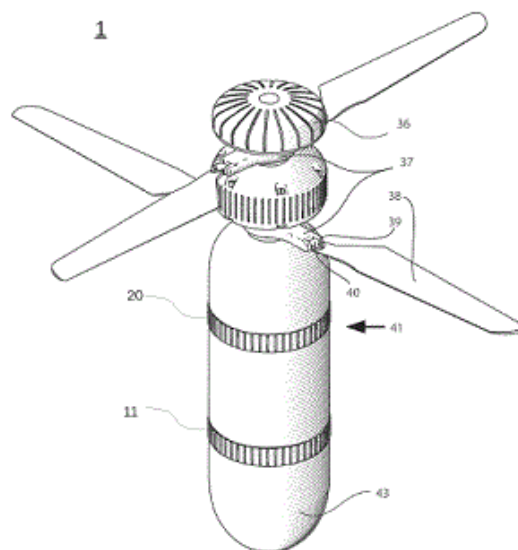
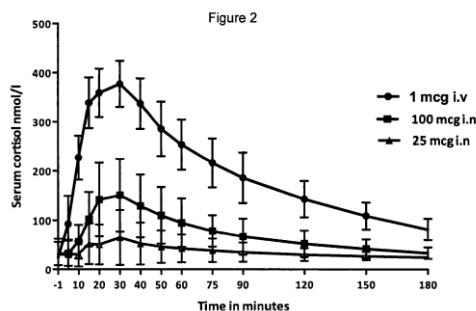
00: -  
 The invention provides antibodies that specifically bind to transthyretin (TTR). The antibodies can be used for treating or effecting prophylaxis of diseases or disorders associated with TTR accumulation or accumulation of TTR deposits (e.g., TTR amyloidosis). The antibodies can also be used for diagnosing TTR amyloidosis and inhibiting or reducing aggregation of TTR, and for monitoring the efficacy of TTR therapies, among other applications.



21: 2020/02305. 22: 2020/05/04. 43: 2022/11/16  
 51: A61K  
 71: SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST, UNIVERSITY OF SHEFFIELD  
 72: WRIGHT, Neil Peter, ELDER, Charlotte Jane  
 33: GB 31: 1717509.2 32: 2017-10-25  
 33: GB 31: 1809456.5 32: 2018-06-08  
**54: METHOD OF DIAGNOSIS OF ADRENAL INSUFFICIENCY**

00: -  
 The disclosure relates to a composition comprising adrenocorticotrophic hormone (ACTH) or a synthetic ACTH analogue for use in a diagnostic test for adrenal insufficiency. A method to conduct said diagnostic test; a combined diagnostic and method

of treatment; and kits comprising the components for said test are also disclosed.



21: 2020/02331. 22: 2020/05/04. 43: 2022/11/08  
 51: B64D; G05D  
 71: OVERWERX LTD.  
 72: JEFFREY HILL

33: US 31: 62/568,518 32: 2017-10-05  
 33: US 31: 62/726,976 32: 2018-09-04

**54: REMOTELY CONTROLLABLE AERONAUTICAL ORDNANCE**

00: -  
 An ordnance for air-borne delivery to a target under remotely controlled in-flight navigation. In one embodiment, self-powered aerial ordnance includes upper and lower cases. A plurality of co-axial, deployable blades is powered by a motor positioned in the upper case. When deployed, the blades are rotatable about the upper case to impart thrust and bring the vehicle to a first altitude above a target position. An explosive material and a camera are positioned in a lower case which is attached to the upper case. The camera generates a view along the ground plane and above the target when the ordnance is in flight. When the vehicle is deployed it is remotely controllable to deliver the vehicle to the target to detonate the explosive at the target. The ordnance may drop directly on a target as a bomb does.

21: 2020/02395. 22: 2020/05/04. 43: 2022/11/25  
 51: C10L  
 71: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V.

72: RAJ MOHAN, Vivek Raja, NELSON, Edward, Carl, RUSSO, Joseph, Michael, GHOSAL, Anindya, Kumar

33: US 31: 62/573,723 32: 2017-10-18

**54: METHOD FOR REDUCING LOW SPEED PRE-IGNITION**

00: -  
 Use of an unleaded gasoline fuel composition for reducing the occurrence of Low Speed Pre-Ignition (LSPI) in a spark-ignition internal combustion engine, wherein the unleaded gasoline fuel composition comprises a gasoline base fuel and detergent additive package, wherein the detergent additive package comprises a Mannich base detergent mixture, wherein the mixture comprises a first Mannich base detergent component derived from a di- or polyamine and a second Mannich base detergent component derived from a monoamine, wherein the weight ratio of the first Mannich base detergent to the second Mannich base detergent mixture ranges from about 1:6 to about 3:1, and wherein the spark-ignition internal combustion engine is lubricated with a lubricant composition comprising from 1200ppmw to 3000ppmw of calcium, based on the total lubricant composition.

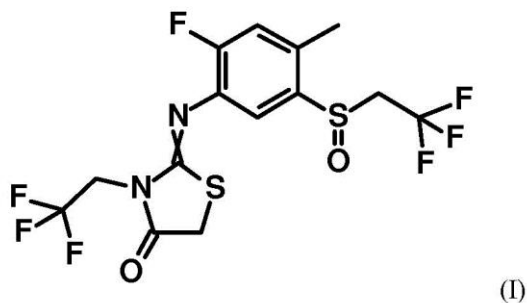
21: 2020/02831. 22: 2020/05/15. 43: 2022/11/16  
 51: A01N; A01P

71: Bayer Aktiengesellschaft  
 72: CÉREZO-GALVEZ, Silvia, MARIENHAGEN, Christian, WECKWERT, Holger, THIELERT, Wolfgang, JOHN, Marita

33: EP(DE) 31: 17197094.0 32: 2017-10-18

**54: ACTIVE COMPOUND COMBINATIONS HAVING INSECTICIDAL/ACARICIDAL PROPERTIES**

00: -  
 The present invention relates to novel active compound combinations comprising at least one known compound of the formula (I) and at least one further active compound, which combinations are highly suitable for controlling animal and microbial pests such as unwanted insects and/or unwanted acarids and/or unwanted nematodes.



21: 2020/02849. 22: 2020/05/15. 43: 2022/11/07  
 51: A61K; C07H  
 71: EMORY UNIVERSITY  
 72: PAINTER, GEORGE R, BLUEMLING, GREGORY R, NATCHUS, MICHAEL G, GUTHRIE, DAVID

33: US 31: 62/595,907 32: 2017-12-07  
 33: US 31: 62/760,434 32: 2018-11-13  
 33: US 31: 62/626,998 32: 2018-02-06

**54: N4-HYDROXYCYTIDINE AND DERIVATIVES AND ANTI-VIRAL USES RELATED THERETO**

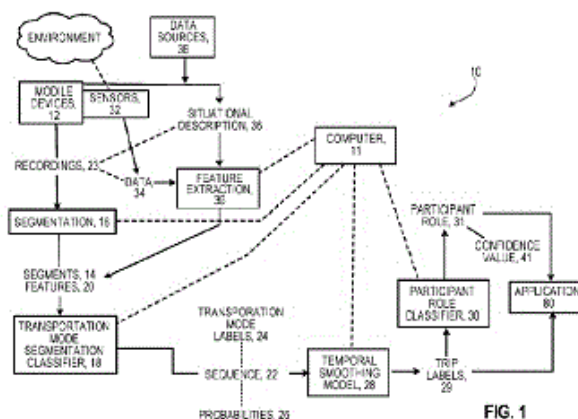
00: -  
 This disclosure relates to certain N4-hydroxycytidine derivatives, pharmaceutical compositions, and methods related thereto. In certain embodiments, the disclosure relates to the treatment or prophylaxis of viral infections, such as Eastern, Western, and Venezuelan Equine Encephalitis (EEE, WEE and VEE, respectively), Chikungunya fever (CHIK), Ebola, Influenza, RSV, and Zika virus infection with the disclosed compounds.

21: 2020/02877. 22: 2020/05/18. 43: 2022/11/08  
 51: G06F; G08G  
 71: CAMBRIDGE MOBILE TELEMATICS INC.  
 72: PARK, JUN-GEUN

33: US 31: 15/596,384 32: 2017-05-16  
 33: US 31: 15/874,017 32: 2018-01-18

**54: USING TELEMATICS DATA TO IDENTIFY A TYPE OF A TRIP**

00: -  
 Among other things, an operation of a computational device in identifying a type of a given trip of a person is improved. Historical information is stored about prior trips of the person or of other people or both. The historical information is based on other than recorded motion data of the trips. Features are derived about the prior trips from the historical information. Features indicative of the type of the given trip are identified by the computational device. The type of the given trip is identified based on the features derived from the historical information.



21: 2020/02917. 22: 2020/05/19. 43: 2022/11/08  
 51: C04B  
 71: ETEX SERVICES NV  
 72: IGNATYEV, IGOR A, VERLEENE, DAVE  
 33: EP 31: 17207105.2 32: 2017-12-13

**54: COLORED FIBER CEMENT PRODUCTS AND METHODS FOR THE PRODUCTION THEREOF**

00: -  
 The present invention relates to colored fiber cement products at least comprising: - a cementitious matrix comprising a black pigment and/or a colored pigment, and - synthetic fibers, characterized in that said synthetic fibers are pigmented with at least one white pigment. The present invention further relates to methods for the production of these colored fiber

cement products as well as to uses thereof in the building industry.

21: 2020/03372. 22: 2020/06/05. 43: 2022/11/08

51: A23K

71: NUTRIAD INTERNATIONAL

72: GOOSSENS, Tim, VAN IMMERSEEL, Filip Florimond Magdalena, KWAKKEL, René, MOQUET, Pierre Clément Antoine, ONRUST, Lonneke

33: BE 31: BE 2017/5984 32: 2017-12-22

**54: ANIMAL FEED MATERIAL**

00: -

The present invention relates to the field of livestock animal feed, in particular to a feed material that is effective in prevention and/or treatment of pathogenic infections in livestock and/or in increasing efficiency in livestock production. It has been found that enteral administration of polysaccharide butyryl esters to livestock animals results in increased butyrate concentrations in the lower intestinal tract. This leads amongst others to a reduced presence of pathogens in the lower intestinal tract and feces and superior growth performance results compared to other butyrate formulations or products. Hence the present invention provides novel polysaccharide butyryl esters, compositions, such as feed additives and/or feed, comprising the polysaccharide butyryl esters, as well as the uses of the polysaccharide butyryl esters as feed additive, e.g. for preventing or treating pathogenic infections in livestock and/or in increasing efficiency in livestock production.

21: 2020/03387. 22: 2020/06/05. 43: 2022/11/16

51: C07K; C12N

71: Zoetis Services LLC

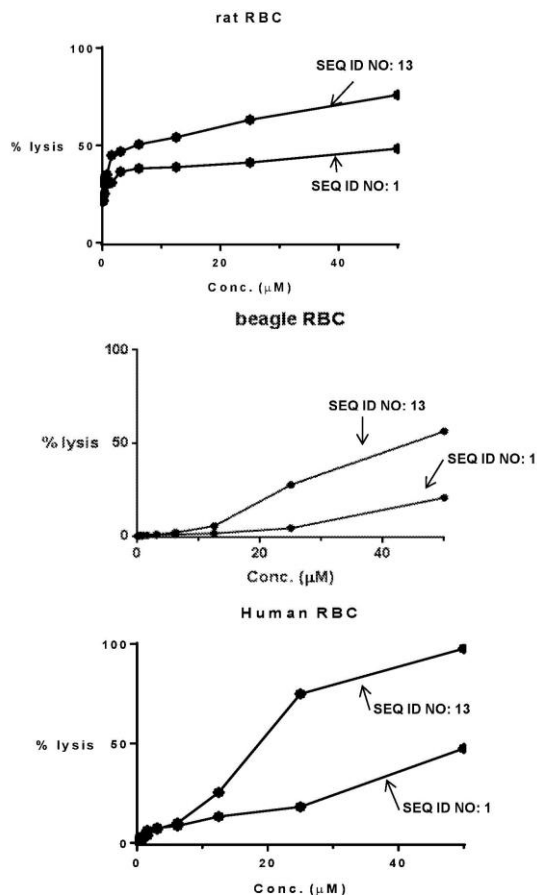
72: KUHN, Michael, EWIN, Richard Andrew, SHEEHAN, Derek James, BAIMA, Eric, ZOOK, Christopher A., PHELPS, Hilary

33: US 31: 62/595,725 32: 2017-12-07

**54: ANTIMICROBIAL PEPTIDES AND METHODS OF USING SAME**

00: -

Antimicrobial peptides of general formula  $X_0X_1X_2CX_3X_4X_5CX_6X_7X_8X_9CYX_{10}X_{11}CX_{12}X_{13}$  are provided. Also provided are certain formulations containing these peptides and methods of using these peptides for treating skin infections in an animal in need thereof.



21: 2020/03483. 22: 2020/06/10. 43: 2022/11/25

51: C07D; A61K; A61P

71: PYRAMID BIOSCIENCES, INC.

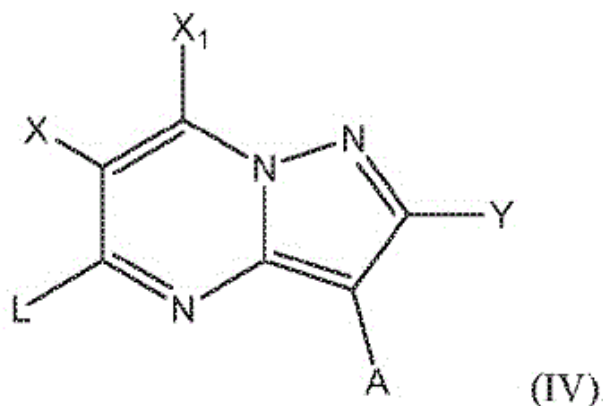
72: PAL, KOLLOL, CIBLAT, STEPHANE, ALBERT, VINCENT, BRUNEAU-LATOURE, NICOLAS, BOUDREAU, JONATHAN

33: US 31: 62/599,490 32: 2017-12-15

**54: 5-(2-(2,5-DIFLUOROPHENYL)PYRROLIDIN-1-YL)-3-(1H-PYRAZOL-1-YL)PYRAZOLO[1,5-A]PYRIMIDINE DERIVATIVES AND RELATED COMPOUNDS AS TRK KINASE INHIBITORS FOR TREATING CANCER**

00: -

The application relates to pyrazolo[1,5-a]pyrimidine derivatives of formula (IV) as Trk kinase inhibitors for treating cancer and inflammatory diseases.



21: 2020/03529. 22: 2020/06/12. 43: 2022/11/16

51: A24F; H02M

71: RAI STRATEGIC HOLDINGS, INC.

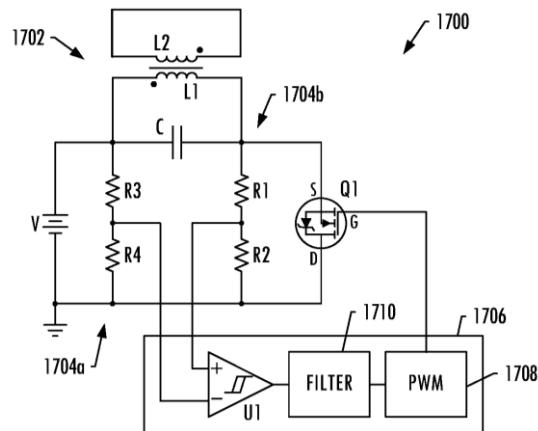
72: SUR, Rajesh

33: US 31: 15/836,086 32: 2017-12-08

**54: QUASI-RESONANT FLYBACK CONVERTER FOR AN INDUCTION-BASED AEROSOL DELIVERY DEVICE**

00: -

An aerosol delivery device is provided that includes an aerosol precursor composition and a quasi-resonant flyback converter configured to cause components of the aerosol precursor composition to vaporize to produce an aerosol. The quasi-resonant flyback converter includes a transformer including an induction transmitter and an induction receiver, a capacitor that with the induction transmitter forms a tank circuit. The quasi-resonant flyback converter also includes a transistor that is switchable in cycles to cause the induction transmitter to generate an oscillating magnetic field and induce an alternating voltage in the induction receiver when exposed to the oscillating magnetic field, the alternating voltage causing the induction receiver to generate heat and thereby vaporize components of the aerosol precursor composition.



21: 2020/03683. 22: 2020/06/18. 43: 2022/11/25

51: A61K; C07D; A61P

71: SIEGFRIED AG, CONTRAF-NICOTEX-TOBACCO GMBH

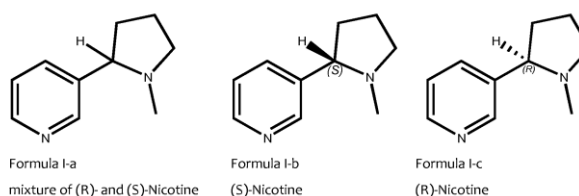
72: WEBER, Beat, PAN, Ben

33: EP 31: 17210181.8 32: 2017-12-22

**54: ENANTIOMERIC SEPARATION OF RACEMIC NICOTINE BY ADDITION OF AN O,O'-DISUBSTITUTED TARTARIC ACID ENANTIOMER**

00: -

The present invention relates to a method of separating racemic nicotine of Formula (I-a) as a mixture of the (R)- and (S)-enantiomers into the enantiomerically pure (S)- and (R)-nicotine represented by Formula (I-b) and (I-c), by adding a mixture of the L- and the D-enantiomer of a O,O'-disubstituted tartaric acid, wherein the molar ratio of the L- to the D-enantiomer is from 80:20 to 95:5, and obtaining the (S)-nicotine of formula (I-b), or by adding O,O'-dibenzoyl-D-tartaric acid and obtaining the (R)-nicotine of formula (I-c).



21: 2020/03695. 22: 2020/06/19. 43: 2022/11/16

51: A61K; A61P; C07K; G01N

71: Potenza Therapeutics, Inc.

72: HICKLIN, Daniel, SEIDEL-DUGAN, Cynthia, WINSTON, William, SALMERON-GARCIA, Jose-Andres, NIELSON, Nels P., BRODKIN, Heather



33: US 31: 62/438,733 32: 2016-12-23

**54: ANTI-NEUROFILIN ANTIGEN-BINDING PROTEINS AND METHODS OF USE THEREOF**

00: -  
 Provided herein are antigen-binding proteins (ABPs) that selectively bind to NRP-1 and its isoforms and homologs, and compositions comprising the ABPs. Also provided are methods of using the ABPs, such as therapeutic and diagnostic methods.

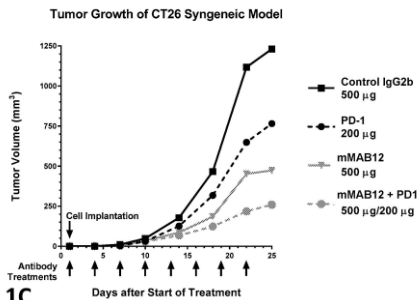


Figure 1C

21: 2020/03899. 22: 2020/06/26. 43: 2022/11/16

51: A61K

71: KalVista Pharmaceuticals Limited

72: COLLETT, John Herman, COOK, Gary Paul, FARRAR, Jamie Joseph, FRODSHAM, Michael John, ROE, Michael Bryan, TODD, Richard Simon, WARD, Robert Neil

33: US 31: 62/592,242 32: 2017-11-29

**54: DOSAGE FORMS COMPRISING A PLASMA KALLIKREIN INHIBITOR**

00: -  
 The present invention relates to oral solid dosage forms comprising a plasma kallikrein inhibitor, in particular a solid form (Form 1) of the compound of Formula A. Also provided are methods of preparing oral solid dosage forms comprising the compound of Formula A using Form 1 of the compound of Formula A.

21: 2020/03938. 22: 2020/06/29. 43: 2022/11/16

51: B60K; B60S

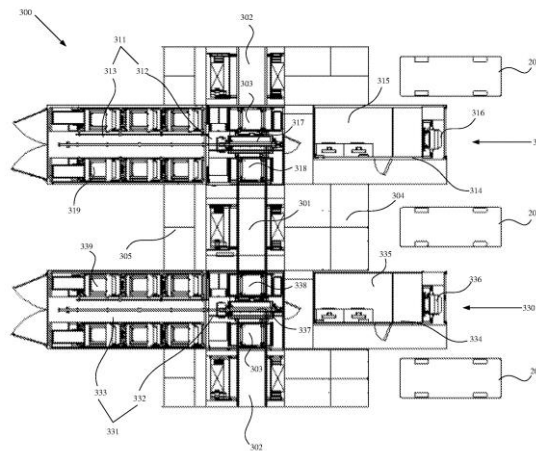
71: SHANGHAI DIANBA NEW ENERGY TECHNOLOGY CO., LTD., AULTON NEW ENERGY AUTOMOTIVE TECHNOLOGY GROUP  
 72: ZHANG, Jianping, HUANG, Chunhua, ZOU, Rui, WAN, Libin, ZHOU, Junqiao

33: CN 31: 201711240305.X 32: 2017-11-30

**54: BATTERY SWAPPING STATION AND CONTROL METHOD THEREFOR**

00: -

Disclosed are a battery swapping station and a control method therefor. The battery swapping station comprises: a first charging compartment and a second charging compartment; a first battery swapping platform, the first battery swapping platform being arranged between the first charging compartment and the second charging compartment; a first shuttle and a second shuttle, both of which respectively travel back and forth between the first charging compartment, the second charging compartment, and the first battery swapping platform; and a control unit, the control unit being electrically connected to the first shuttle and to the second shuttle, used for controlling the first shuttle and the second shuttle to perform the following operation: when operating a same vehicle on the first battery swapping platform, if the first shuttle is executing either operation of battery unmounting or battery mounting, the second shuttle executes the other operation of battery unmounting or battery mounting. The battery swapping station and the control method therefor, by means of alternating operations of the first shuttle and the second shuttle, reduces the waiting time for vehicles when swapping batteries, thus increasing the battery swapping efficiency of the battery swapping station.



21: 2020/03998. 22: 2020/06/30. 43: 2022/11/16

51: F16K

71: PROTECHNA S.A.

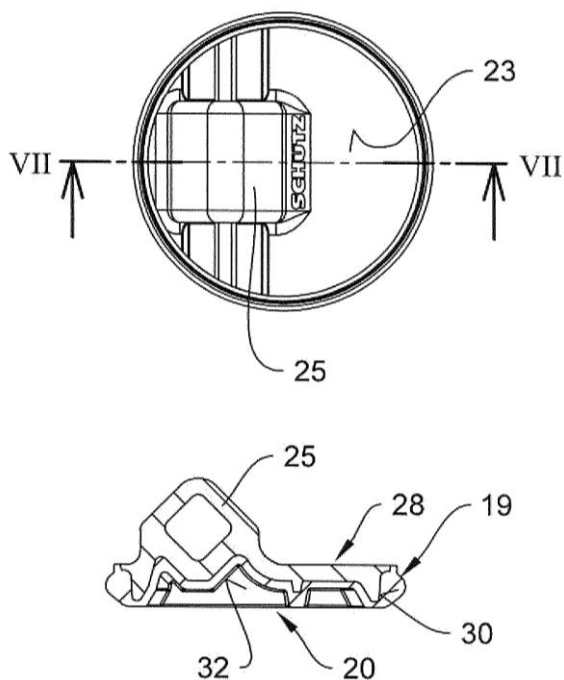
72: KLEIN, Thilo

33: DE 31: 10 2018 102 062.7 32: 2018-01-30

**54: EXTRACTION FITTING FOR LIQUID CONTAINERS**

00: -

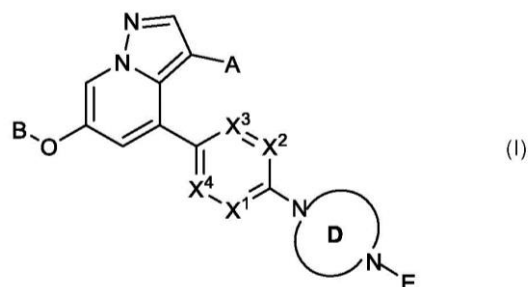
The invention relates to an extraction fitting (10) for liquid containers (15), particularly for connecting to the throat (14) or the outlet of a transport and storage container for liquids, comprising a fitting housing (11) in which a valve body that can be pivoted with a valve shaft and is used to open and close a flow cross-section of an outflow pipe is arranged, the valve body comprising a valve seal which is at least partially arranged on a peripheral edge of the valve body in such a way that, in a shut-off position of the valve body, a valve gap formed between the valve body and an inner wall of the outflow pipe is sealed by the valve seal in a radial seal plane, and at least one inner side (20) of the valve body, facing a liquid volume, for shut-off, is covered by the valve seal such that a liquid contact surface arranged on the inner side (20) is embodied by the valve seal.



21: 2020/04040. 22: 2020/07/02. 43: 2022/11/16  
 51: A61K; A61P; C07D  
 71: Array BioPharma Inc.  
 72: ANDREWS, Steven W., ARONOW, Sean, BLAKE, James F., BRANDHUBER, Barbara J., COOK, Adam, HAAS, Julia, JIANG, Yutong, KOLAKOWSKI, Gabrielle R., MCFADDIN, Elizabeth A., MCKENNEY, Megan L., MCNULTY, Oren T.,

METCALF, Andrew T., MORENO, David A., TANG, Tony P., REN, Li  
 33: US 31: 62/406,252 32: 2016-10-10  
**54: SUBSTITUTED PYRAZOLO[1,5-A]PYRIDINE COMPOUNDS AS RET KINASE INHIBITORS**  
 00: -

Provided herein are compounds of the Formula I and stereoisomers and pharmaceutically acceptable salts or solvates thereof, in which A, B, X<sup>1</sup>, X<sup>2</sup>, X<sup>3</sup>, X<sup>4</sup>, Ring D, and E have the meanings given in the specification, which are inhibitors of RET kinase and are useful in the treatment and prevention of diseases which can be treated with a RET kinase inhibitor, including RET-associated diseases and disorders.

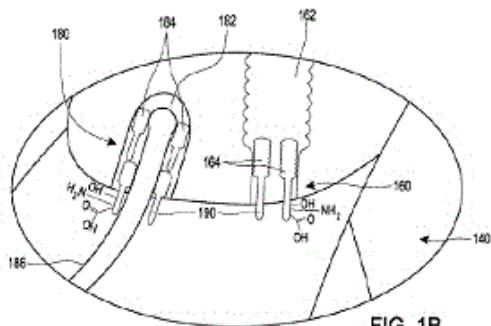


21: 2020/04155. 22: 2020/07/07. 43: 2022/11/07  
 51: A61K  
 71: TARSUS PHARMACEUTICALS, INC.  
 72: HICKOK, SHAWN D, AZAMIAN, BOBAK ROBERT, VEHIGE, JOSEPH G, ACKERMANN, DOUGLAS MICHAEL  
 33: US 31: 62/599,213 32: 2017-12-15  
 33: US 31: 62/626,612 32: 2018-02-05  
 33: US 31: 62/746,498 32: 2018-10-16  
 33: US 31: 62/615,855 32: 2018-01-10  
 33: US 31: 62/689,787 32: 2018-06-25

**54: ISOXAZOLINE PARASITICIDE FORMULATIONS AND METHODS FOR TREATING BLEPHARITIS**

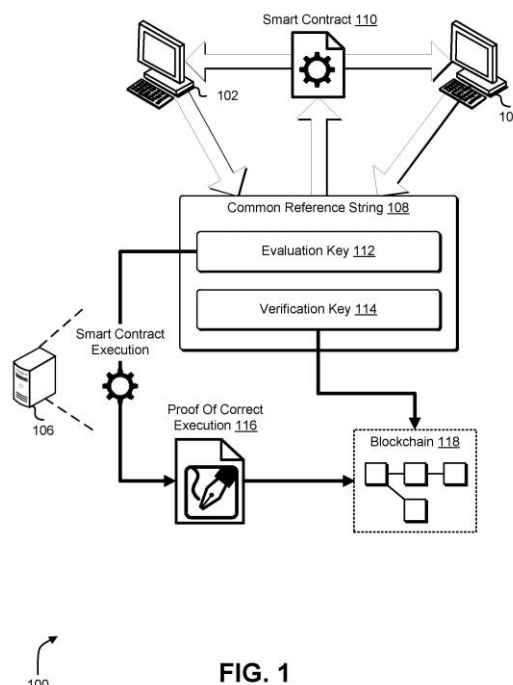
00: -  
 Disclosed herein are methods for treating or preventing ophthalmic and dermatologic conditions in a patient, including ocular surface conditions such as blepharitis. The methods can include topically administering directly to an ocular surface of one or more eyes of a patient in need of treatment thereof an effective amount of an isoxazoline parasiticide, formamidine parasiticide, or other active ingredient, formulated into an ophthalmic composition, the ophthalmic composition further comprising a

pharmaceutically acceptable vehicle. Compositions are also disclosed.



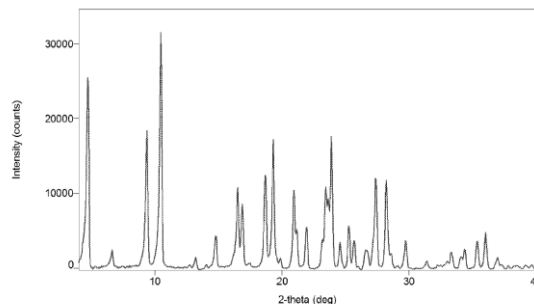
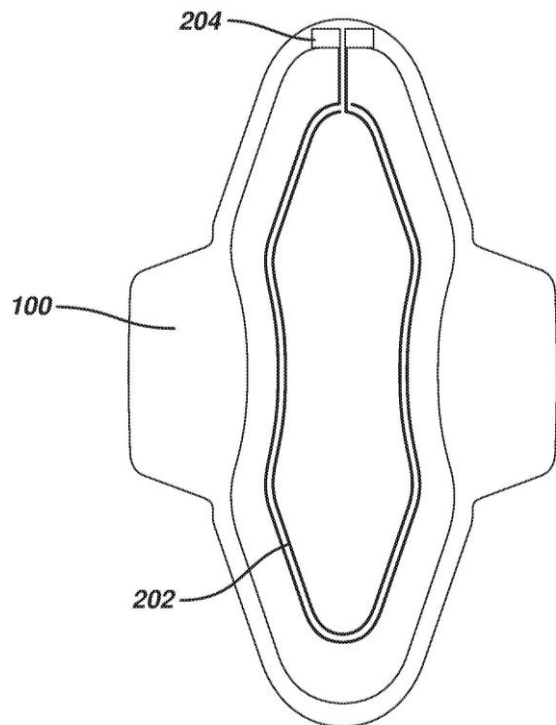
21: 2020/04256. 22: 2020/07/10. 43: 2022/11/16  
 51: G06F; H04L; H04W  
 71: nChain Holdings Limited  
 72: COVACI, Alexandra, MADEO, Simone, MOTYLINSKI, Patrick, VINCENT, Stephane  
 33: GB 31: 1720768.9 32: 2017-12-13  
**54: SYSTEM AND METHOD FOR MULTI-PARTY GENERATION OF BLOCKCHAIN-BASED SMART CONTRACT**

00: -  
 Systems and methods described herein relate to techniques that allow for multiple parties to jointly generate or jointly agree upon the parameters for generation of a smart contract, such as a verification key. Execution of the smart contract may be performed by a third party, for example, a worker node on a blockchain network. Techniques described herein may be utilised as part of a protocol in which parties of a smart contract share powers of a secret in a manner that allows each party to determine an identical common reference string, agree on parameters for a smart contract, agree and/or make proportionate contributions the smart contract, and combinations thereof. The smart contract may be published to a blockchain network (e.g., Bitcoin Cash). The protocol may be a zero-knowledge protocol.



21: 2020/04459. 22: 2020/07/20. 43: 2022/11/16  
 51: A61F; G08B  
 71: Johnson & Johnson Consumer Inc.  
 72: BARBOSA, Livea, CAU, Jose Francisco, CARNIATO, Rafael, GOULART, Mariana, NEELEY, William Chester, PEREIRA, Renato  
 33: US 31: 62/608,836 32: 2017-12-21  
**54: PERSONAL HYGIENE PRODUCT WITH A DIGITAL ELEMENT**

00: -  
 A personal hygiene product with a digital element includes an external personal hygiene product to absorb bodily fluids and a conductive sensor assembly disposed therein. The conductive sensor assembly includes a pair of conductive elements disposed in parallel in a mirrored image about the perimeter of the personal hygiene product and at least one connector directly contacting the pair of conductive elements, said conductive sensor assembly generating a signal indicative of fluid leakage of said personal hygiene product when fluid reaches the area between the pair of conductive elements. The conductive sensor assembly is arranged and configured to communicate with a smart hand held electronic device, either directly or through a wireless connection.



X-ray powder diffraction (XRPD) pattern of Compound A, mono-HCl salt

21: 2020/04497. 22: 2020/07/21. 43: 2022/11/16  
 51: C07D; C07F  
 71: CRINETICS PHARMACEUTICALS, INC.  
 72: REDDY, Jayachandra P., MIRMEHRABI, Mahmoud, KOTA, Madhukar, DASH, Uttam, ZHAO, Jian, ZHU, Yunfei  
 33: US 31: 62/618,538 32: 2018-01-17

**54: PROCESS OF MAKING SOMATOSTATIN MODULATORS**

00: -  
 Described herein are compounds that are somatostatin modulators, methods of making such compounds, pharmaceutical compositions and medicaments comprising such compounds, and methods of using such compounds in the treatment of conditions, diseases, or disorders that would benefit from modulation of somatostatin activity.

21: 2020/04538. 22: 2020/07/22. 43: 2022/11/16  
 51: A61K

71: Janssen Vaccines & Prevention B.V.  
 72: MILDER, Ferdinand Jacobus, RITSCHEL, Tina, BRANDENBURG, Boerries, JONGENELEN, Mandy Antonia Catharina, TRUAN, Daphné, LANGEDIJK, Johannes Petrus Maria  
 33: EP(NL) 31: 18152991.8 32: 2018-01-23  
**54: INFLUENZA VIRUS VACCINES AND USES THEREOF**

00: -  
 Provided herein are influenza hemagglutinin stem polypeptides, nucleic acids encoding said polypeptides, vectors comprising said nucleic acid and pharmaceutical compositions comprising the same, as well as methods of their use, in particular in the prevention and/or treatment of influenza virus infections.

21: 2020/04582. 22: 2020/07/23. 43: 2022/11/16  
 51: A61K; C07D; A61P

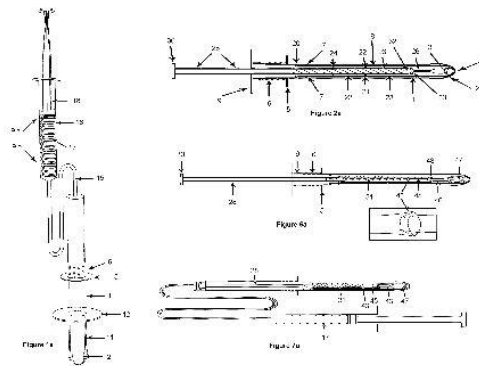
71: ALAR PHARMACEUTICALS INC.  
 72: LIN, Tong-Ho, WEN, Yung-Shun, LIANG, Jui-Wei  
 33: US 31: 62/670,714 32: 2018-05-11  
**54: LONG-ACTING INJECTABLE FORMULATIONS AND CRYSTALLINE FORMS OF BUPRENORPHINE DERIVATIVES**

00: -  
 This disclosure relates to crystalline forms of 3-acyl-buprenorphine derivatives and sustained release injectable pharmaceutical compositions for treatment of opioid dependence, pain or depression, including an aqueous suspension of crystalline 3-acyl-buprenorphine, or a pharmaceutically acceptable salt thereof, wherein the composition does not include an organic solvent, a polylactide polymer, a polyglycolide polymer, or a copolymer of polylactide and polyglycolide. This disclosure also includes 3-

acyl-buprenorphine or a pharmaceutically acceptable salt thereof prepared in a controlled release matrix, including poly (lactide-co-glycolide), sucrose acetoisobutyrate, lecithin, diolein and a combination of two or more thereof.

21: 2020/04854. 22: 2020/08/05. 43: 2022/11/21  
 51: A61B; G01N  
 71: ALRAVVI, OMAR  
 72: ALRAVVI, Omar, AL-RAWE, Aeshah Omar Mahmood, AL-RAWE, Abu-baker Omar Mahmood, AL-RAWE, Othman Omar Mahmood  
 33: TR 31: 2018/00276 32: 2018-01-09  
**54: HVS AND PAP SMEAR TESTING APPARATUS**

00: -  
 The subject invention is related to the HVS and Pap smear testing apparatus providing Pap smear testing for Human Papilloma Virus (HPV) and HSV test for culture and sensitivity by doctor and patient automatically and being characterized by outer cylinder (1), head (2), interior side (3), end side (4), ring 1 (5), spiral end (6), ring 2a (7), internal cylinder 1 (8), piston cover (9), cylinder (10), protective cover (11), end part (12), outer end side (13), interior end side (14), flexible tube (15), medical tube (16), spring 1 (17), recoil cylinder 1 (18), line 1 (19.a), line 2 (19.b), ring 3 (20), ring 2b (21), spring 2 (22), internal cylinder 2 (23), ring 4 (24), hole 1 (25), tip holder (26), spring 3 (27), recoil cylinder 2 (28), hole 2 (29), circle 1 (30), coil (31), ring 5 (32), ring 6 (33), head bar 1 (34), cotton (35), empty space (36), accuracy sign (37), cone (38), circle 2 (39), black rubber (40), rear part (41), small cylinder 1 (42), wing (43), small cone (44), small cylinder 2 (45), head bar 2 (46), brush (47), ring 7 (48), brush bristle (49), sharp edge (50), and hole 3 (51).



21: 2020/04985. 22: 2020/08/12. 43: 2022/11/16  
 51: E21B  
 71: ARCBY, INC. (DBA PETRA)  
 72: ZILLANTE, ROBERTO ANTONIO, ZILLANTE, DANIEL ANTONIO  
 33: US 31: 62/629,865 32: 2018-02-13  
**54: SYSTEMS AND METHODS FOR UNDERGROUND PIPE INSTALLATION**

00: -  
 Systems and methods for installing pipe underground are disclosed. The system includes a pneumatic rammer configured to provide a percussive force to a section of pipe. The system also includes a main jacking frame coupled to the pneumatic rammer, the main jacking frame including a surface for contacting the section of pipe. The system also includes one or more hydraulic jacks coupled to the main jacking frame and configured to provide a hydraulic force to the section of pipe. The system also includes a set of tracks coupled to the main jacking frame, the set of tracks permitting the main jacking frame to slide in a longitudinal direction. An independently displaceable soil-clearing system can be included to clear dirt coming inside the pipe during the installation and add extra jacking force as needed.

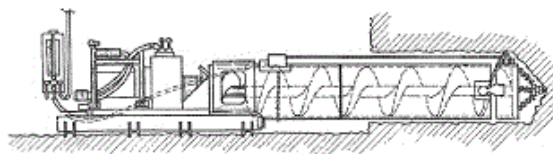


FIG. 1 (PRIOR ART)

21: 2020/06089. 22: 2020/10/01. 43: 2022/11/16  
 51: D21H

71: SEAL CHEMISTRY (PTY) LTD  
72: Gonaseelan ANGAMUTHOO, Douglas Alistair Herbert Knox

**54: HIGH-RELEASE BARRIER COATED PAPER WRAPPER FOR CANDIES AND GUM WHICH EXCLUDE THE USE OF HOT WAX AND A METHOD FOR PREPARATION THEREOF**

00: -  
This invention relates to a coated paper wrapper to replace hot liquid form waxed wrappers such as those used for sticky candies and gum, comprising a functional, heat sealable, water-based high-release grease, oil, water and water vapour transmission barrier coating composition on one or both surfaces of the paper substrate, and methods for manufacturing the coating composition and the coated paper wrapper. In particular, the coated paper wrapper and the process of manufacture excludes the use of a hot wax component.

21: 2020/06262. 22: 2020/10/08. 43: 2022/11/16  
51: A61K; C07K  
71: DR. REDDY'S LABORATORIES LIMITED  
72: JAYARAMAN, Murali, CHANDRASEKAR, Anuja  
33: IN 31: 201841013645 32: 2018-04-10

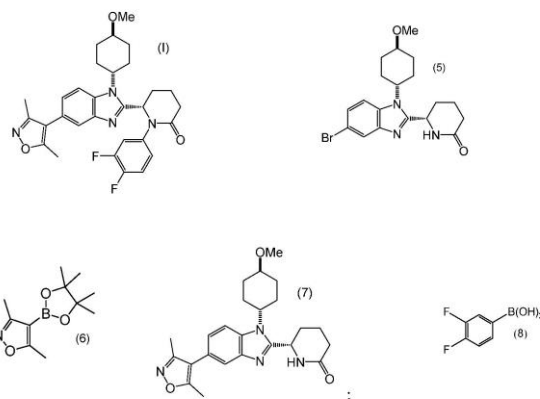
**54: STABLE ANTIBODY FORMULATION**  
00: -  
The present invention discloses a stable pharmaceutical formulation of an antibody, wherein the formulation contains buffer, surfactant and salt, and wherein the formulation is devoid of free amino acids. The disclosed antibody formulations are liquid formulations that are also suitable for lyophilization.

21: 2020/06441. 22: 2020/10/16. 43: 2022/10/26  
51: A61K; A61P; C07D  
71: CellCentric Ltd  
72: BAGULEY, Paul, GILBERT, Donald Alan, HARBOTTLE, Gareth, LINDLEY, Colin, MADELEY, John Paul, MOREY, James Vaughan, TADDEI, David Michel Adrien, TREVORROW, Jonathan, WOOD, David

33: GB 31: 1806320.6 32: 2018-04-18  
**54: PROCESS FOR PREPARING MODULATORS OF P300 AND/OR CBP**

00: -  
A process for producing a compound of the following formula (I) which process comprises: (a) treating a compound of the following formula (5) with a compound of the following formula (6) to generate an intermediate compound of the following formula

(7); (b) treating a compound of formula (7) as defined above with a compound of the following formula (8); and (c) recovering a compound of formula (I) as defined above. The compound of formula (I) is a promising modulator of p300/CBP activity that has potential utility in treating cancers, including prostate cancer, haematological cancers, bladder cancer and lung cancer.

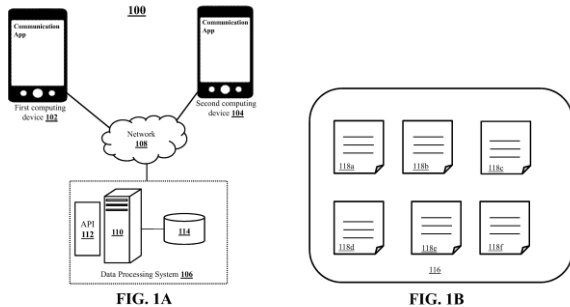


21: 2020/06444. 22: 2020/10/16. 43: 2022/11/21  
51: G06Q  
71: SKURIKHIN, Valeriy Stepanovich  
72: SKURIKHIN, Valeriy Stepanovich, COLAFRANCHESCHI, Alessandro, ZYBIN, Mikhail Vladimirovich, ZYBINA, Anna Vladimirovna, ZLOBINA, Polina Vadimovna, CHAGIN, Mikhail Yur'evich

33: US 31: 62/645,082 32: 2018-03-19  
**54: SYSTEMS AND METHODS FOR GENERATING AND UPDATING DYNAMIC DIGITAL TICKETS WITHIN A DIGITAL BOARD**

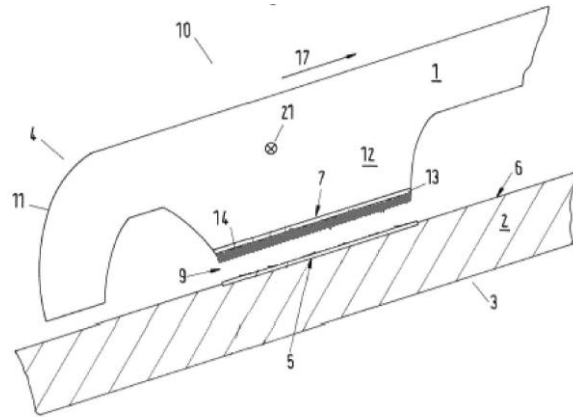
00: -  
A communication application may include a request-response mechanism, which may enable real-time interaction between multiple users executing multiple tasks at multiple locations. Using the communication application, a first user may generate a digital ticket for the tasks, which may be shared with a second user. A response associated with the digital ticket by the second user may occur in a particular structured format within the communication application. The response may include location information of the second user and status of machines executing the tasks. The communication application may bring every user action and response data associated with the tasks into one unique digital board associated with the communication application. The digital

board may create and implement a collaborative network and successfully orchestrate value-exchanging interactions among the users in the data sharing ecosystem.



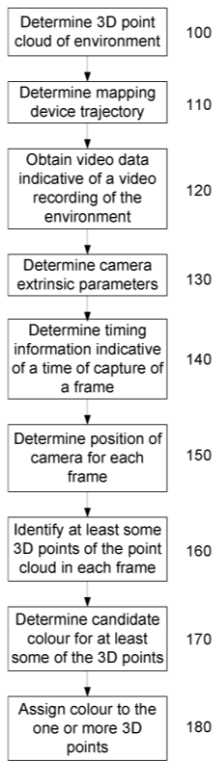
21: 2020/06506. 22: 2020/10/20. 43: 2022/10/26  
 51: B28B; C04B; E04D  
 71: Monier Roofing GmbH  
 72: DRECHSLER, Andreas, PEIL, Silke  
 33: DE 31: 10 2018 106 614.7 32: 2018-03-21  
**54: ROOF TILE AND METHOD FOR PRODUCING A ROOF TILE**  
 00: -

The invention relates to a roof tile (1, 2) for covering a surface in an overlapping manner, having a first support face (5) and a second support face (7), the first support face (5) being arranged on an upper side (6) of the roof tile (1, 2) in a region of a head-side end (3), and the second support face (7) being arranged on an underside (8) of the roof tile in a region of a foot-side end (4). At least the underside (8) of the roof tile (1, 2) has a hydrophobic impregnation (14) in the region of the second support surface (7). The invention further relates to a method for producing a roof tile (1, 2) of this kind.



21: 2020/06639. 22: 2020/10/26. 43: 2022/11/21  
 51: G06F; G06T  
 71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION  
 72: VECHERSKY, Pavel, COX, Mark, BORGES, Paulo, LOWE, Thomas, BOSSE, Michael  
 33: AU 31: 2018901452 32: 2018-05-01  
**54: METHOD AND SYSTEM FOR USE IN COLOURISATION OF A POINT CLOUD**  
 00: -

A method for use in colourising a three-dimensional (3D) point cloud of an environment, the method including determining timing information indicative of a time of capture of a frame; identifying at least some 3D points of the point cloud in the frame based on the position of the camera and determining a local point cloud that captures a scene in the immediate vicinity of the camera, wherein a visibility check is performed on the local point cloud to determine points in the local point cloud that are visible from the perspective of the camera for a given frame; and determining a candidate colour for the at least some of the 3D points using a colour of a corresponding pixel in the frame extracted from the video data; and, assigning a colour to one or more points of the 3D point cloud using candidate colours obtained from multiple frames.



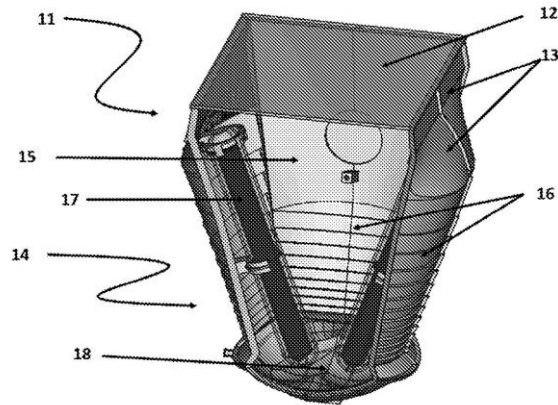
21: 2020/06681. 22: 2020/10/27. 43: 2022/10/26  
51: F24S; H02S

71: Solar Avances y Sistemas de Energía, S.L.  
72: ASKINS, Stephen Alexander, CASELLES FORNÉS, Jaime, ANTÓN HERNÁNDEZ, Ignacio, PÉREZ, Marta Victoria

**54: TRACKING DEVICE**

00: -  
The invention relates to a passive tracking device (11) for tracking the position of the sun, which comprises a hollow parallelepiped casing through which the solar radiation entering through a first lens (12) located at the upper end of the parallelepiped casing passes towards a discriminating reflector (18) arranged at the lower end of the same casing; the tracking device (11) redirects as much incoming radiation as possible towards side chambers (17) for absorbing radiation, heating a working fluid contained in the side chamber (17); producing a volumetric expansion in the working fluid that, communicating with shafts for the rotation of the tracking device (11), allows the orientation with the normal/perpendicular position with respect to the position of the sun, and to guide the alignment direction of other tracking devices for collecting energy in devices for collecting photovoltaic and/or

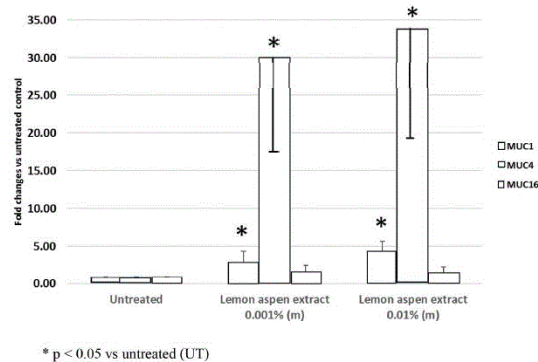
thermal energy that are mechanically connected to the tracking device (11).



21: 2020/07183. 22: 2020/11/18. 43: 2022/11/16  
51: A61K; A61P  
71: Johnson & Johnson Surgical Vision, Inc.  
72: LI, Wen-Hwa Ting, MAHMOOD, Khalid, PARSA, Ramine, BAI, Mingqi, HOLEVA, Kenneth T.  
33: US 31: 62/937,450 32: 2019-11-19  
33: US 31: 62/937,467 32: 2019-11-19

**54: COMPOSITIONS AND METHODS FOR TREATING THE EYE**

00: -  
The present invention relates to compositions comprising one or more extracts and/or compounds having retinol-like activity and properties and methods of using the compositions to treat the eye.



21: 2020/07307. 22: 2020/11/24. 43: 2022/11/16  
51: A61K; A61P; C07D  
71: Innate Tumor Immunity, Inc.  
72: ZHANG, Yong, GAVAI, Ashvinikumar V., DONNELL, Andrew F., GHOSH, Shomir, ROUSH,



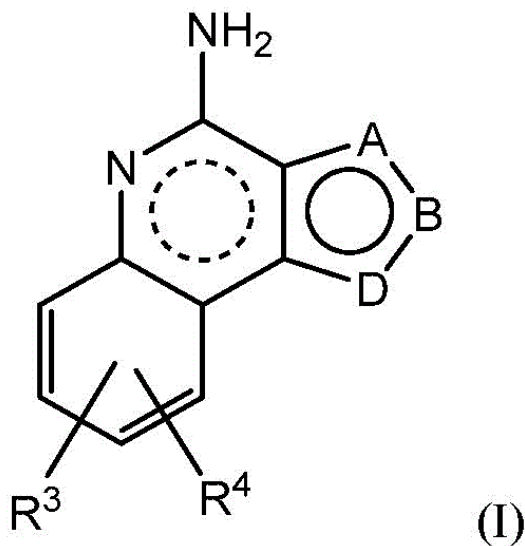
William R., SIVAPRAKASAM, Prasanna, SEITZ, Steven P., MARKWALDER, Jay A.

33: US 31: 62/662,240 32: 2018-04-25

**54: NLRP3 MODULATORS**

00: -

The present invention provides compounds of Formula (I): wherein all of the variables are as defined herein. These compounds are modulators of NLRP3, which may be used as medicaments for the treatment of proliferative disorders, such as cancer in a subject (e.g., a human).



21: 2020/07357. 22: 2020/11/25. 43: 2022/11/16  
51: A21D; C12N

71: DSM IP Assets B.V.

72: PUTSEYS, Joke Anneleen, CARR, Neil, DE JONG, René Marcel, TEUNISSEN, Aloysius Wilhelmus Rudolphus Hubertus

33: EP(NL) 31: 18178445.5 32: 2018-06-19

**54: LIPOLYTIC ENZYME VARIANTS**

00: -

The present invention relates to a variant polypeptide having a lipase activity, wherein the polypeptide may be a polypeptide that has an amino acid sequence which has at least 70% identity to a mature amino acid sequence of SEQ ID NO: 1 or SEQ ID NO: 6, wherein the polypeptide comprises an amino acid substitution at position 295 and at least one further amino acid substitution at position 113, 121, 179 and / or 284, wherein the positions are defined with reference to SEQ ID NO: 1 or SEQ ID NO: 6. The invention further relates to a process for preparing a dough wherein a polypeptide as

disclosed herein is used and baked product prepared from the dough.

21: 2020/07405. 22: 2020/11/27. 43: 2022/10/26

51: A61L; B05B

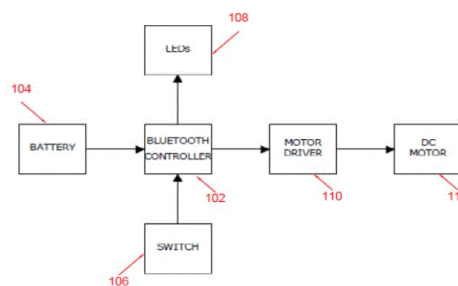
71: Godrej Consumer Products Ltd., CWD Innovation Private Limited

72: KORGAONKAR, Milind, BANERJEE, Anirban, YADLAPALLI, Venkateswara, PATIL, Swaroop, SWAMY, Rohini, BIBALS, Reena, XAVIER, Aditya  
33: IN 31: 201921048526 32: 2019-11-27

**54: SMART DISPERSION SYSTEM**

00: -

Disclosed herein is a smart dispersion device, wherein said device is configured to release the dispersible material for a defined time interval.



21: 2020/07487. 22: 2020/12/01. 43: 2022/11/01

51: A61K; A61P; C07D

71: Rigel Pharmaceuticals, Inc.

72: DARWISH, Ihab, YU, Jiabin, CHEN, Yan, MASUDA, Esteban, TAYLOR, Vanessa

33: US 31: 62/666,452 32: 2018-05-03

**54: RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME**

00: -

Disclosed herein are kinase inhibitory compounds, such as a receptor-interacting protein-1 (RIP1) kinase inhibitor compounds, as well as pharmaceutical compositions and combinations comprising such inhibitory compounds. The disclosed compounds, pharmaceutical compositions, and/or combinations may be used to inhibit a RIP1 kinase

21: 2020/07697. 22: 2020/12/09. 43: 2022/11/23

51: H01M

71: UNIVERSITY OF ZULULAND

72: REVAPRASADU, NEERISH, KHAN, MALIK DILSHAD

33: ZA 31: 2019/08134 32: 2019-12-09

**54: A SYNTHESIS METHOD OF CARBON NITRIDE-METAL CHALCOGENIDE COMPOSITE**

00: -  
 This invention relates to a synthesis method of carbon nitride-metal chalcogenide composite. The method includes the steps of mixing a metal organic precursor with a carbon nitride to obtain a mixture; heating the mixture such that the metal organic precursor in the mixture is decomposed, preferably under inert conditions; and allowing the mixture to cool producing carbon nitride-metal chalcogenide composite, preferably in a powder form.

21: 2020/07811. 22: 2020/12/15. 43: 2022/11/16  
 51: B01D  
 71: LUBRIZOL ADVANCED MATERIALS, INC.  
 72: JULIUS, Mark, D., ROY, Kinkini, DECARIA, Domenic C.

33: US 31: 62/690,405 32: 2018-06-27

**54: FLAT SHEET POROUS MEMBRANE**

00: -  
 The disclosed technology relates to flat sheet porous membranes prepared from a dope solution containing a polymer of vinyl chloride, such as chlorinated polyvinyl chloride.

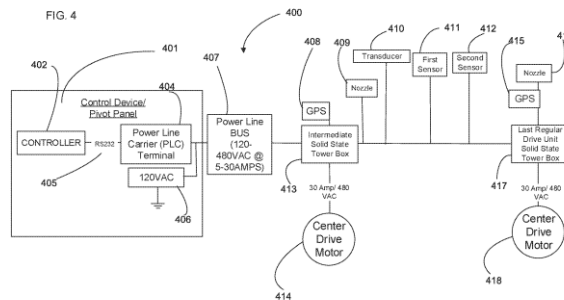
21: 2021/00620. 22: 2021/01/28. 43: 2022/11/21  
 51: A01G; G05B; H04B; G06Q  
 71: VALMONT INDUSTRIES, INC.  
 72: MOELLER, Mark, THATCHER, Tracy A.

33: US 31: 62/747,878 32: 2018-10-19

**54: SYSTEM AND METHOD FOR DETECTING AND IDENTIFYING POWER LINE CARRIER CONTROLLED DEVICES WITHIN AN IRRIGATION SYSTEM**

00: -  
 The present invention provides a system and method for detecting and identifying power line carrier controlled devices within an irrigation system having a PLC BUS and a plurality of PLC powered devices. According to first preferred embodiment, the method preferably may include the steps of: initializing a controller; transmitted an identification signal onto the PLC BUS; receiving the transmitted identification signal by a first powered device in the transmission line; recording the signal strength of the received identification signal by the first powered device; reducing the level of the received identification signal by a given increment; receiving the transmitted identification signal by a second

powered device in the transmission line; recording the signal strength of the received identification signal by the second powered device; reducing the level of the received identification signal by a given increment; receiving the transmitted identification signal at the controller; polling each powered device for the received strength of the identification signal at each device; creating a lookup table and assigning a system ID number to each powered device based on the reported signal levels received by each device; and sending communications signals to the first powered device based on the system assigned ID number indicated in the lookup table.

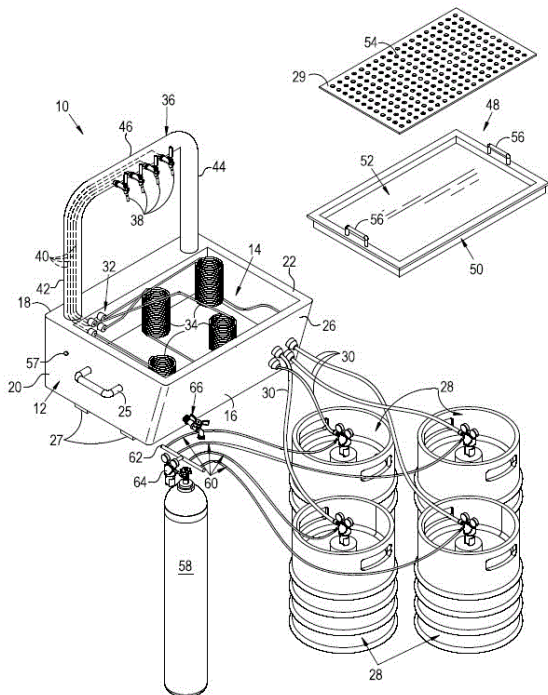


21: 2021/01199. 22: 2021/02/23. 43: 2022/10/28  
 51: B67D  
 71: Kegtails (Pty) Ltd.  
 72: SHAPIRO, Craig Geoff, OOSTHUIZEN, Pieter  
 33: ZA 31: 2019/08518 32: 2019-12-20

**54: COCKTAIL BEVERAGE CHILLING AND DISPENSING SYSTEM**

00: -  
 According to the invention there is provided a cocktail beverage chilling and dispensing system, the system comprising a chilling box defining a cooling chamber for, in use, accommodating ice, the chilling box including a plurality of inlet ports to receive the cocktail beverage to be chilled and a plurality of outlet ports. A plurality of cooling coils is fitted within the chilling box, each cooling coil having ends that extend between one of the inlet ports and one of the outlet ports of the chilling box. A tubular support arm is mounted on top of the chilling box and extends operatively upwardly from the chilling box. The tubular support arm is fitted with a plurality of dispensing taps, with delivery conduits extending between the dispensing taps and the outlet ports of

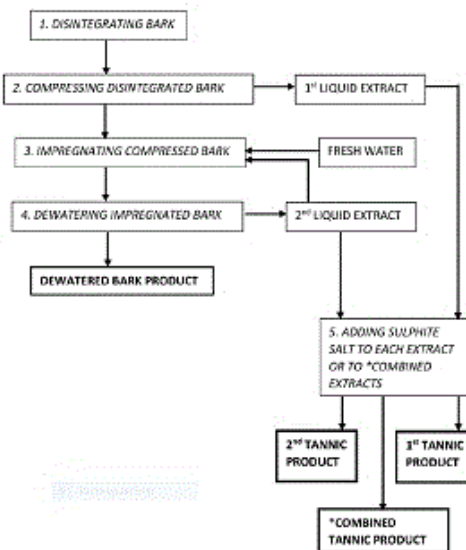
the chilling box, through the tubular support arm, to ultimately dispense the chilled cocktail beverage.



21: 2021/01320. 22: 2021/02/26. 43: 2022/11/04  
 51: C08H; C07C  
 71: SÖDRA SKOGSÄGARNA EKONOMISK FÖRENING  
 72: SOLHAGE, FREDRIK, MESIC, NARCIS  
 33: EP 31: 17190555.7 32: 2017-09-12  
**54: METHOD FOR PRODUCTION OF AT LEAST ONE TANNIC PRODUCT AND A BARK PRODUCT WITH ENHANCED FUEL VALUE**  
 00: -

A tannic product. According to the invention the tannic product is obtained by a method which comprises the steps of disintegrating bark; compressing the disintegrated bark to recover a first liquid extract comprising tannic substances; impregnating the compressed bark with a first aqueous impregnation composition at a pH below 7, and at temperature within the range of 45-80°C; dewatering the impregnated bark to recover a second liquid extract comprising tannic substances and a dewatered bark product; recirculating at least a part of the second liquid extract to the impregnation step, wherein the first aqueous impregnation composition comprises a mixture of

said recirculated part of the second liquid extract and optionally fresh water; optionally combining said first liquid extract with the non-recirculated part of said second liquid extract; and adding sulphite salt to said first liquid extract and to said non-recirculated part of said second liquid extract, or to the optionally combined first and second liquid extracts in a level of 4-25% by weight for providing a first tannic product and a second tannic product, or a combined tannic product.



21: 2021/01517. 22: 2021/03/05. 43: 2022/11/29  
 51: C07C  
 71: LUNELLA BIOTECH, INC.  
 72: LISANTI, MICHAEL P, SOTGIA, FEDERICA  
 33: US 31: 62/471,688 32: 2017-03-15  
**54: MITORIBOSCINS: MITOCHONDRIAL-BASED THERAPEUTICS TARGETING CANCER CELLS, BACTERIA, AND PATHOGENIC YEAST**  
 00: -

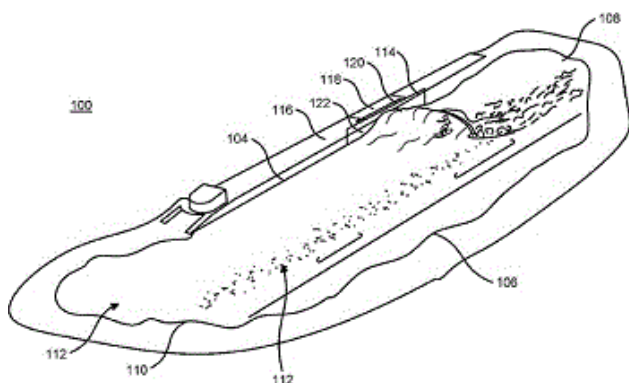
The present disclosure relates to methods of using mitoriboscins therapeutic compounds having anti-cancer and antibiotic properties - to prevent or treat cancer, microbial infections, and pathogenic yeast infections, as well as methods of using mitoriboscins to provide anti-aging benefits.

21: 2021/01610. 22: 2021/03/10. 43: 2022/11/29  
 51: E04H; A63B; F04D  
 71: KELLY SLATER WAVE COMPANY, LLC  
 72: FINCHAM, ADAM, POIROT, ALEX, LOEWEN, NATHAN, SLATER, ROBERT KELLY  
 33: US 31: 15/691,175 32: 2017-08-30

**54: WAVE POOL AND WAVE GENERATOR FOR BI-DIRECTIONAL AND DYNAMICALLY-SHAPED SURFING WAVES**

00: -

A wave pool and wave generating mechanism are disclosed. The wave pool includes a bathymetry that includes a dynamically shapeable reef along a length or circumference of a channel that defines the wave pool. The wave generating mechanism includes a foil that has a shape for bi-directionality based on an adjustment of a yaw angle of the foil. The foil can be further controlled to increase or decrease certain surface areas or other angles of interacting with water in the wave pool.



21: 2021/01761. 22: 2021/03/16. 43: 2022/11/08  
51: A47J

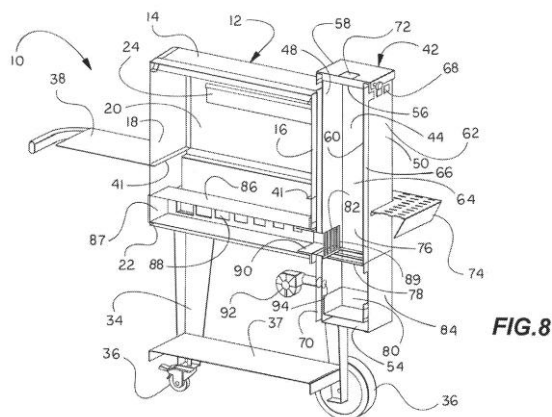
71: MASTERBUILT MANUFACTURING, LLC  
72: POWELL, Olin, CARTER, Adam, TERRELL, Robert, V., MERCER, Daniel John  
33: US 31: 62/733,739 32: 2018-09-20

**54: GRAVITY FED SMOKER**

00: -

A gravity fed smoker includes a smoking enclosure and an external stack. The stack is double walled with an inner wall, and an outer wall. A vented cooling space exists between the inner wall and the outer wall. An inner chamber of the external stack includes a fire box with a fire grate and a feed hopper positioned above the fire box. A smoke tunnel with a series of openings for releasing smoke into the smoking enclosure extends along the bottom of the food smoking enclosure and is connected to the external fire box at one end. Fuel, including charcoal, lump coal, or wood pellets, is loaded into the feed hopper. As the fuel burns on the fire grate and turns to ashes, the fuel is fed from the hopper onto the fire grate by gravity. A fan and dampers

controls air flow through the fire grate and into the smoke tunnel.



21: 2021/01781. 22: 2021/03/17. 43: 2022/11/23  
51: C07C

71: UNIVERSITY OF ZULULAND  
72: PULLABHOTLA, VISWANADHA SRIRAMA RAJASEKHAR

33: ZA 31: 2020/00133 32: 2020-01-09

**54: PROCESS FOR PRODUCING CYCLOHEXANOL AND CYCLOHEXANONE BY CYCLOHEXANE OXIDATION**

00: -

This invention relates to a process for producing cyclohexanol and cyclohexanone by cyclohexane oxidation. The process comprises introducing cyclohexane and heterogeneous metal doped metal oxide catalyst into a reactor and optionally adjusting the pH of the heterogeneous metal doped metal oxide catalyst and cyclohexane solution in the reactor to obtain an acidic or alkaline solution. Further introducing an oxidant such as ozone into the reactor. The cyclohexane is oxidized in the reactor in the presence of the heterogeneous metal doped metal oxide catalyst and oxidant producing, cyclohexanol and cyclohexanone.

21: 2021/01782. 22: 2021/03/17. 43: 2022/11/23  
51: C07C

71: UNIVERSITY OF ZULULAND  
72: PULLABHOTLA, VISWANADHA SRIRAMA RAJASEKHAR

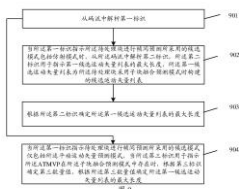
33: ZA 31: 2020/00133 32: 2020-01-09

**54: PROCESS FOR PRODUCING CYCLOHEXANOL AND CYCLOHEXANONE BY CYCLOHEXANE OXIDATION**

00: -  
 This invention relates to a process for producing cyclohexanol and cyclohexanone by cyclohexane oxidation. The process comprises introducing cyclohexane and heterogeneous metal oxide catalyst into a reactor and optionally adjusting the pH of the heterogeneous metal oxide catalyst and cyclohexane solution in the reactor to obtain an acidic or alkaline solution. Further introducing an oxidant such as ozone into the reactor. The cyclohexane is oxidized in the reactor in the presence of the heterogeneous metal oxide catalyst and oxidant producing, cyclohexanol and cyclohexanone.

21: 2021/02152. 22: 2021/03/30. 43: 2022/11/01  
 51: H04N  
 71: Huawei Technologies Co., Ltd.  
 72: CHEN, Huanbang, YANG, Haitao  
 33: CN 31: 201811268188.2 32: 2018-10-29  
**54: VIDEO PICTURE PREDICTION METHOD AND APPARATUS**

00: -  
 A video image prediction method and apparatus, providing a method for determining the maximum length of a candidate motion vector list of a sub-block merge mode. The method comprises: parsing a first identifier from a code stream; when the first identifier indicates that a candidate mode used by a block to be processed for implementing interframe prediction comprises an affine mode, parsing a second identifier from the code stream, the second identifier being used for indicating the maximum length of a first candidate motion vector list, the first candidate vector motion list being a candidate motion vector list constructed when the block to be processed uses a sub-block merge prediction mode; and, on the basis of the second identifier, determining the maximum length of the first candidate motion vector list.



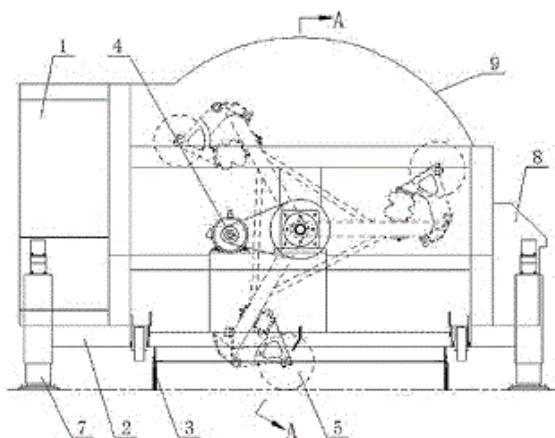
901 Parse a first identifier from a code stream  
 902 When the first identifier indicates that a candidate mode used by a block to be processed for implementing interframe prediction comprises an affine mode, parse a second identifier from the code stream, the second identifier being used for indicating the maximum length of a first candidate motion vector list, the first candidate vector motion list being a candidate motion vector list constructed when the block to be processed uses a sub-block merge prediction mode  
 903 On the basis of the second identifier, determine the maximum length of the first candidate motion vector list  
 904 When the first identifier indicates that the candidate mode used by the block to be processed for implementing interframe prediction only comprises a rotational motion vector prediction mode, and when a third identifier is used for indicating that there is an ATBWP in the sub-block merge prediction mode, determine a third amount value on the basis of the third identifier and determine the maximum length of the first candidate motion vector list on the basis of the third amount value

21: 2021/02236. 22: 2021/04/01. 43: 2022/11/29

51: B01L  
 71: SHANDONG JIAOTONG UNIVERSITY  
 72: ZHANG, PENG, FENG, JINXIANG, RUAN, JIUHONG, GUAN, ZHIGUANG, ZHANG, JIWEI, YANG, FUGUANG, GUO, XINGYU, JIA, QIAN, WU, QINGZHEN, WANG, HUIJUN, HAN, YING  
 33: CN 31: 201811022269.4 32: 2018-09-04

**54: CONSTANT TEMPERATURE CIRCULAR ACCELERATED AND COMPACTED TESTING SYSTEM**

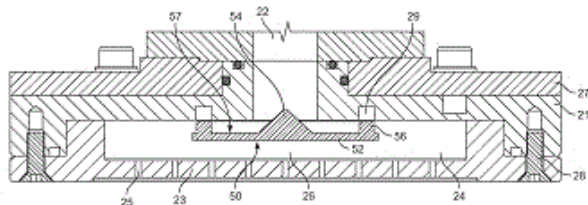
00: -  
 A constant temperature circular accelerated and compacted testing system includes: a chassis; a motor reducer and a circular loading wheel group in the middle of the chassis, wherein the motor reducer provides power for the circular loading wheel group, and the circular loading wheel group implements a rolling test on a ground during rotation; a thermally insulated assembly on the chassis, the circular loading wheel group is located in a thermally insulated inner cavity of the thermally insulated assembly; a constant temperature unit on the chassis; a control cabinet on the chassis, wherein the control cabinet is connected to and controls the constant temperature unit and the motor reducer, respectively.



21: 2021/02281. 22: 2021/04/06. 43: 2022/11/29  
 51: B05C; B01J  
 71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY  
 72: BURGESS, NEIL, SAVAGE, JAMIE, THOMSON, CRAIG  
 33: GB 31: 1819454.8 32: 2018-11-29  
**54: APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS**

00: -

A washcoat showerhead for depositing a washcoat onto a face of a substrate comprises a housing having an inlet for receiving the washcoat, a showerhead plate and a baffle. The housing and showerhead plate define a showerhead cavity with the baffle located within the showerhead cavity. The showerhead plate has a plurality of nozzle apertures for discharging the washcoat towards the face of the substrate. The baffle comprises an impermeable central body and a plurality of arms extending from the impermeable central body, the plurality of arms defining a plurality of flow apertures circumferentially arranged around the impermeable central body.

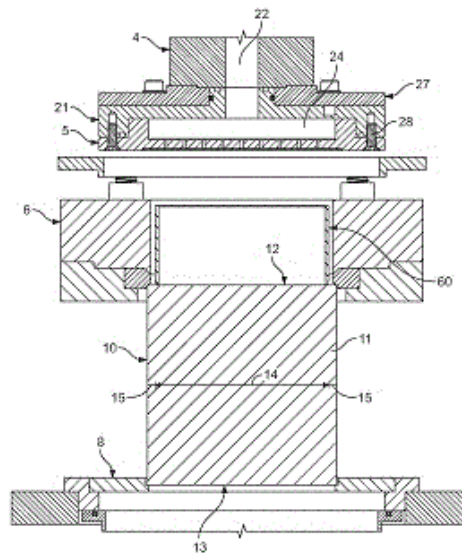


21: 2021/02283. 22: 2021/04/06. 43: 2022/11/29  
 51: B05C; B01J  
 71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY  
 72: BURGESS, NEIL, SAVAGE, JAMIE, THOMSON, CRAIG  
 33: GB 31: 1819455.5 32: 2018-11-29  
**54: APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS**

00: -

A substrate coating apparatus comprises a source of a washcoat, a washcoat showerhead comprising a showerhead plate having a plurality of nozzle apertures for discharging the washcoat towards a face of the substrate located below the washcoat showerhead, a conduit fluidly connecting the source of the washcoat to the washcoat showerhead for supplying washcoat to the washcoat showerhead and a partition ring located between the washcoat showerhead and the face of the substrate. The partition ring is dimensioned to be smaller than the face of the substrate and the substrate coating apparatus is configured in use to bring the partition ring into contact with the face of the substrate to thereby define a central region of the face of the substrate which lies within an interior of the partition ring and a peripheral region of the face of the substrate which lies outside the partition ring. The

showerhead plate of the washcoat showerhead is configured in use to discharge washcoat onto both the central region and the peripheral region of the face of the substrate.



21: 2021/02322. 22: 2021/04/08. 43: 2022/11/29  
 51: A61K; A61P  
 71: TROIKAA PHARMACEUTICALS LIMITED  
 72: PATEL, NISHEEL K, PATEL, KETAN R, PATEL, MILAN R, PATEL, KUSH M, PATEL, ASHEEL K  
 33: IN 31: 201821038060 32: 2018-10-08  
**54: OROMUCOSAL SOLUTIONS OF ZOLPIDEM OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF**

00: -

The present invention relates to buccal or sublingual formulations of Zolpidem or pharmaceutically acceptable salt thereof. The formulations minimize the amount of penetration enhancers and yet provide rapid transmucosal penetration of the drug. These formulations not only provide desired a concentration (0.5 % to 10% w/v) of the drug in the form of clear solution, but also achieve stable formulations throughout the shelf-life of at least about 2 years. The pH of the stable non-aqueous solutions of the present invention is in the range of range of 5 to 9, preferably 6 to 9 more preferably 7 to 9.

21: 2021/02326. 22: 2021/04/08. 43: 2022/11/29  
 51: C22B  
 71: UMICORE  
 72: SCHEUNIS, LENNART, CALLEBAUT, WILLEM

33: EP 31: 18207942.6 32: 2018-11-23

**54: PROCESS FOR THE RECOVERY OF LITHIUM**

00: -

The present disclosure concerns a process for the concentration of lithium in metallurgical fumes. The process comprises the steps of: - providing a metallurgical molten bath furnace; - preparing a metallurgical charge comprising lithium-bearing material, transition metals, and fluxing agents; - smelting the metallurgical charge and fluxing agents in reducing conditions in said furnace, thereby obtaining a molten bath with an alloy and a slag phase; and, - optionally separating the alloy and the slag phase; characterized in that a major part of the lithium is fumed as LiCl from the molten slag, by addition of alkali or earth alkali chloride to the process. Using a single smelting step, valuable transition metals such as cobalt and nickel also present in the charge are collected in an alloy phase, while the lithium reports to the fumes. The lithium in the fumes is available in concentrated form, suitable for subsequent hydrometallurgical processing.

21: 2021/02361. 22: 2021/04/09. 43: 2022/11/29

51: H04R

71: NANOEAR CORPORATION, INC.

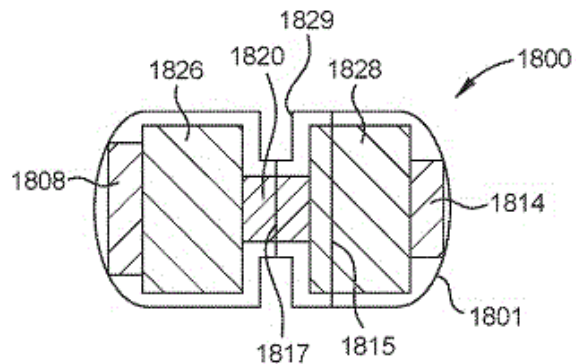
72: MOSES, RON L, MOORE, MICHAEL M, SALTHOUSE, CHRISTOPHER

33: US 31: 62/742,525 32: 2018-10-08

**54: COMPACT HEARING AIDS**

00: -

The present disclosure relates to compact hearing aids, components thereof, and support systems therefor, as well as methods of insertion and removal thereof. The compact hearing aids generally include a sensor, such as a microphone, an actuation mass, an energy source for providing power to the compact hearing aid, a processor, and an actuator enclosed in a housing that is designed to be inserted through the tympanic membrane during a minimally-invasive outpatient procedure. In operation, the microphone receives sound waves and converts the sound waves into electrical signals. A processor then modifies the electrical signals and provides the electrical signals to the actuator. The actuator converts the electrical signals into mechanical motion, which actuates the actuation mass to modulate the velocity or the position of the tympanic membrane.



21: 2021/02424. 22: 2021/04/13. 43: 2022/08/08

51: E04B

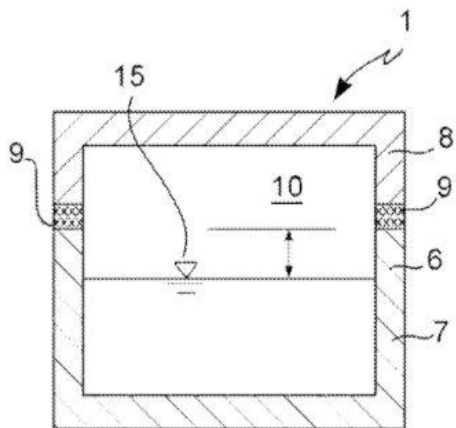
71: LM TECH S.R.L.

72: MERCOLINI, Lorenzo

**54: SYSTEM FOR THE TRANSMISSION OF LIQUIDS IN A ROTATABLE BUILDING**

00: -

A system (1) for transmitting liquids between a stationary core (2) and a rotatable story (3) of a building (4) comprises an annular buffer duct (6) having an annular lower duct portion (7) and an upper duct portion (8) arranged from above in liquid communication with the lower duct portion (7) and slidingly engaging the lower duct portion (7) via at least one interface (9) extending along the entire circumferential length of the buffer duct (6), the lower duct portion (7) and the upper duct portion (8) being fixed to the stationary core (2) and the rotatable story (3) respectively, or vice versa, so that upon rotation of the story (3) with respect to the core (2), the lower and upper duct portions (7, 8) rotate relative to each other.



21: 2021/02493. 22: 2021/04/15. 43: 2022/11/29

51: D05C

71: VANDEWIELE NV

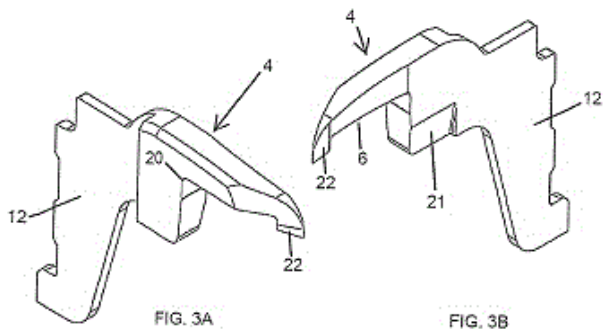
72: SHANLEY, FRANK

33: GB 31: 1816207.3 32: 2018-10-04

**54: A HOOK FOR A TUFTING MACHINE**

00: -

A hook (5) for a tufting machine to provide an enhanced J-cut effect. The hook comprises a shank portion (12) via which the hook is connected to the tufting machine, in use, and a working portion (4) extending from the shank portion. The working portion (4) comprises a cutting edge (6) on one side of a lower face of the working portion. A J-cut forming portion is formed at the working portion (4), in that the working portion in the region above the cutting edge has a greater thickness than the thickness of the shank portion (12).



21: 2021/02494. 22: 2021/04/15. 43: 2022/11/29

51: A61K; A61P

71: 1GLOBE BIOMEDICAL CO., LTD.

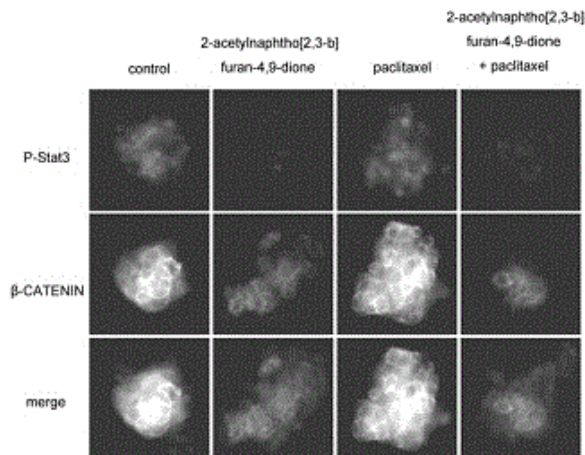
72: LI, CHIANG J

33: CN 31: 201811195239.3 32: 2018-10-12

**54: NEW COMBINATION SOLUTION FOR TREATING CHEMOTHERAPY REFRACTORY CANCER**

00: -

A pharmaceutical composition comprising a therapeutically effective amount of a compound of formula (I), a therapeutically effective amount of paclitaxel, and a low dosage of gemcitabine and use thereof in the treatment of a subject with cancer, and a kit comprising the composition.



21: 2021/02548. 22: 2021/04/16. 43: 2022/11/08

51: A23L; A23B

71: UNILEVER IP HOLDINGS B.V.

72: ABRAHAMSE, SALOMON LEENDERT, ACHARYA, PARAG, BATENBURG, AMIR MAXIMILIAAN, BLUME, JOCHEN, GROHMANN, LARS, HILLE, MATTHIAS, KOCH, JENS, KOPPE, VOLKMAR, SABATER-LUENTZEL, CHRISTOPHER, VANDER STAPPEN, MICHEL

33: EP 31: 18206685.2 32: 2018-11-16

**54: ONION FLAVOUR COMPOSITION AND METHOD FOR THE PREPARATION THEREOF**

00: -

The invention relates to a method of producing an onion flavour compositions, said method comprising:

- providing onion juice concentrate having a dry matter content of 40-95 wt.%;
- providing onion component selected from fresh onion, dehydrated onion and combinations thereof;
- mixing the onion juice concentrate with the onion component in a weight ratio, calculated on a dry matter basis, of 100 parts by weight of dry matter from onion juice concentrate with 4 to 80 parts by weight of dry matter from onion component, to produce an onion mix having a dry matter content of 20-80 wt.%;
-



subjecting the onion mix to a heat treatment at a temperature of at least 90°C for at least 15 minutes;

- optionally mixing the heat treated onion mix with additional onion component and/or additional onion juice concentrate to produce an onion blend;
- drying the heat treated onion mix or the onion blend to produce a dried onion composite having a water content of less than 10 wt.%. This method yields a shelf-stable onion flavour composition that has an intense flavour of roasted, shallow fried or deep fried onions, and that can suitably be used to impart this onion flavour to a wide variety of edible products.

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21: 2021/02550. 22: 2021/04/16. 43: 2022/11/08  
51: C11D  
71: UNILEVER GLOBAL IP LIMITED  
72: BENNINGHOFF, JENS CARLO, DE ROSE, SIMONE ANTONIO, ISUPOV, MICHAIL, LANG, DIETMAR ANDREAS, LITTLECHILD-BOND, JENNIFER ANN, SMITH, SARAH REBECCA, THOMPSON, MARK LAWRENCE  
33: EP 31: 18207278.5 32: 2018-11-20  
**54: DETERGENT COMPOSITION**  
00: -  
The invention provides a detergent composition comprising: (i) from 1 to 60 wt.% of a surfactant; and, (ii) from 0.0005 to 5 wt.% of a lipase enzyme having at least 60% sequence identity to SEQ ID NO: 1; to a method using the enzyme and to the use of the enzyme to improve cleaning of sebum stains on fabric.

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21: 2021/02551. 22: 2021/04/16. 43: 2022/11/08  
51: C11D  
71: UNILEVER GLOBAL IP LIMITED  
72: BENNINGHOFF, JENS CARLO, DE ROSE, SIMONE ANTONIO, ISUPOV, MICHAIL, LANG, DIETMAR ANDREAS, LITTLECHILD-BOND, JENNIFER ANN, SMITH, SARAH REBECCA, THOMPSON, MARK LAWRENCE  
33: EP 31: 18207282.7 32: 2018-11-20  
**54: DETERGENT COMPOSITION**  
00: -  
The invention provides a detergent composition comprising: (i) from 1 to 60 wt.% of a surfactant; and, (ii) from 0.0005 to 5 wt.% of an esterase enzyme of enzyme class EC 3.1.1.1, having at least 60% sequence identity to any one of SEQ ID NO: 1 to 4; to a method using the enzyme and to the use of the

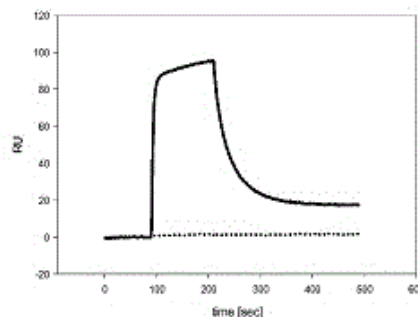
enzyme to improve cleaning of sebum stains on fabric.

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21: 2021/02579. 22: 2021/04/19. 43: 2022/11/08  
51: C07K  
71: NAVIGO PROTEINS GMBH  
72: FIEDLER, ERIK, HAUPTS, ULRICH, ZWARG, MADLEN  
33: EP 31: 18205679.6 32: 2018-11-12  
33: EP 31: 19167107.2 32: 2019-04-03  
**54: NOVEL TRIPLE-HELICAL POLYPEPTIDES LACKING BINDING AFFINITY FOR THE FC DOMAIN OF IMMUNOGLOBULIN AND USES THEREOF**  
00: -

The present invention relates to the field of protein engineering and purification and relates in particular to novel polypeptides having a triple-helical structure and lacking binding affinity for the Fc domain of immunoglobulin. The invention further relates to uses of the novel non-Fc binding polypeptides in technical applications such as affinity chromatography, as well as in therapy and diagnostics. In addition, the present invention relates to a method of reducing the binding affinity of a polypeptide having a triple-helical structure for the Fc domain of immunoglobulin.

**FIGURE 1:** Polypeptide of SEQ ID NO: 9 lacking binding affinity for the immunoglobulin Fc region



Solid line = Fc binding protein (SEQ ID NO: 17); dotted line = polypeptide of SEQ ID NO: 9.

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21: 2021/02581. 22: 2021/04/19. 43: 2022/11/08  
51: C11D  
71: UNILEVER GLOBAL IP LIMITED  
72: BENNINGHOFF, JENS CARLO, DE ROSE, SIMONE ANTONIO, ISUPOV, MICHAIL, LANG, DIETMAR ANDREAS, LITTLECHILD-BOND,

JENNIFER ANN, SMITH, SARAH REBECCA, THOMPSON, MARK LAWRENCE

33: EP 31: 18207284.3 32: 2018-11-20

**54: DETERGENT COMPOSITION**

00: -  
The invention provides a detergent composition comprising: (i) from 1 to 60 wt.% of a surfactant; and, (ii) from 0.0005 to 5 wt.% of an isomerase enzyme, wherein the isomerase enzyme is a squalene hopene cyclase enzyme; to a method using the enzyme and to the use of the enzyme to improve cleaning of sebum stains on fabric.

21: 2021/02590. 22: 2021/04/19. 43: 2022/11/29  
51: B62D

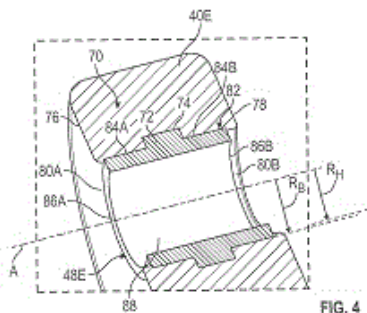
71: CATERPILLAR INC.

72: JONES, BENJAMIN I, ABELLO, BENOIT, HAKES, DAVID J

33: US 31: 16/163,465 32: 2018-10-17

**54: CAST-IN TRACK SYSTEM COMPONENT BUSHING**

00: -  
A component for a track-type machine comprises a body, a through-bore extending through the body forming an inner wall, and a bushing located in the through-bore. The bushing comprises a bearing surface, an outer surface engaging the inner wall, a flange extending from the outer surface and extending into the inner wall, and retention features located in the outer surface proximate the flange. The retention features comprise voids in the bushing filled-in by material of the body. Methods of manufacturing a component for a track-type system comprises casting-in-place a bushing with a flange and retention features into the component.



21: 2021/03094. 22: 2021/05/07. 43: 2022/11/08  
51: H04N  
71: QUALCOMM Incorporated

72: HAN, Yu, CHIEN, Wei-Jung, HUANG, Han, HUNG, Chao-Hsiung, KARCZEWICZ, Marta

33: US 31: 62/742,890 32: 2018-10-08

**54: IMPROVEMENTS ON HISTORY-BASED MOTION VECTOR PREDICTOR**

00: -  
Systems and techniques for processing video data include a history-based motion vector predictor (HMVP) table with two or more HMVP candidates, where a first entry of the HMVP table associated with a first index value includes a first HMVP candidate and a second entry of the HMVP table associated with a second index value includes a second HMVP candidate, the first index value being lower than the second index value. For an advanced motion vector prediction (AMVP) candidate list, one or more HMVP candidates from the HMVP table are selected in a reverse order, where the second HMVP candidate is selected before the first HMVP candidate according to the reverse order. The selected one or more HMVP candidates are added to the AMVP candidate list. The AMVP candidate list can be used to perform AMVP for the one or more blocks of video data.

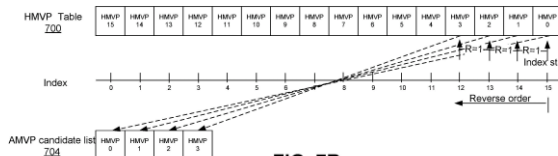


FIG. 7B

21: 2021/03232. 22: 2021/05/12. 43: 2022/11/08  
51: C07C; A01N

71: ECOLOGIA Y PROTECCION AGRICOLA, S.L., UNIVERSITAT POLITÈCNICA DE VALÈNCIA  
72: NAVARRO FUERTES, ISMAEL, VACAS GONZÁLEZ, SANDRA, NAVARRO LLOPIS, VICENTE, MARZO BARGUÉS, JAVIER, CARBONELL GARCIA, ALEJANDRO, PRIMO MILLO, JAIME

33: ES 31: P201831098 32: 2018-11-13

**54: COMPOSITION THAT ATTRACTS THE SPECIES DELOTTOCOCCUS ABERIAE AND METHODS FOR DETECTING, MONITORING AND/OR CONTROLLING THE PEST**

00: -  
The present invention relates to the compound (4,5,5-trimethyl-3-methylcyclopent-1-en-1-yl)methyl acetate and to a composition that attracts insects of the species *Delottococcus aberiae*, which comprises said compound. The invention also relates to a

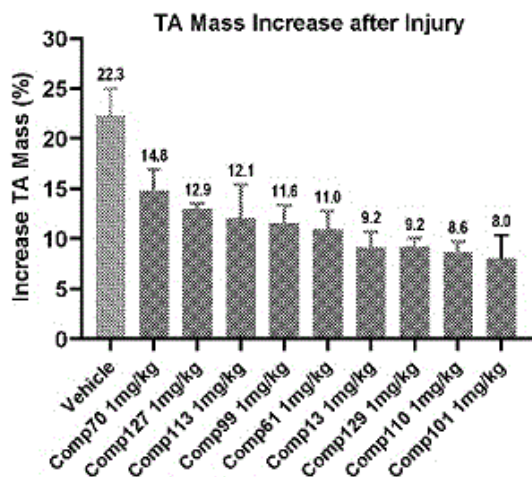
device that attracts *Delottococcus aberiae*, which comprises the compound or the composition, and to a method for controlling and/or monitoring populations of insects of the species *Delottococcus aberiae*.

21: 2021/03260. 22: 2021/05/13. 43: 2022/11/08  
 51: C07D; A61P; A61K  
 71: EDGEWISE THERAPEUTICS, INC.  
 72: HUNT, KEVIN, KOCH, KEVIN, RUSSELL, ALAN, SCHLACHTER, STEPHEN, WINSHIP, PAUL, STEELE, CHRIS

33: US 31: 62/756,553 32: 2018-11-06

**54: PYRIDAZINONE COMPOUNDS AND USES THEREOF**

00: -  
 Substituted pyridazinone compounds, conjugates, and pharmaceutical compositions for use in the treatment of neuromuscular diseases, such as Duchenne Muscular Dystrophy (DMD), are disclosed herein. The disclosed compounds are useful, among other things, in the treating of DMD and modulating inflammatory inhibitors IL-1, IL-6 or TNF- $\alpha$ .



21: 2021/03266. 22: 2021/05/13. 43: 2022/11/08  
 51: A23L  
 71: UNILEVER IP HOLDINGS B.V.  
 72: SAILER, WINFRIED, SCHÄNZEL, MONIKA RENATE, SCHMIDT, ISTVÁN, TOTH, MARCELL LÄSZLÓ

33: EP 31: 18213846.1 32: 2018-12-19

**54: FOOD COMPOSITION**

00: -  
 The present invention relates to food compositions for preparing a bouillon, broth, soup, sauce, gravy or

for use as a seasoning. More in particular, the invention relates to such compositions in the form of a gel.

21: 2021/03283. 22: 2021/05/14. 43: 2022/11/08  
 51: C03B  
 71: OWENS-BROCKWAY GLASS CONTAINER INC.

72: KUHLMAN, ROBERT, RASHLEY, SHANE T  
 33: US 31: 16/196,822 32: 2018-11-20

**54: BATCH INLET AND CLEANING DEVICE FOR GLASS MELTER**

00: -  
 A glass melter batch inlet and cleaning device (10) and related methods of its operation are disclosed. The glass melter batch inlet and cleaning device includes an outer tubular housing (20) including a side inlet (22), an inner tubular chopper (50) including a side inlet relief (52) in registration with the side inlet of the outer tubular housing, and at least one actuator (34, 36) extending alongside the outer tubular housing and coupled to the inner tubular chopper to move the chopper with respect to the outer tubular housing.

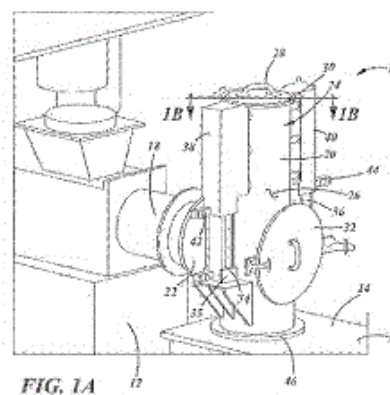


FIG. 1A

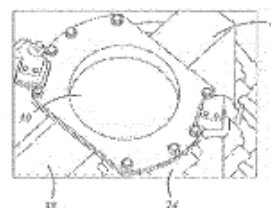
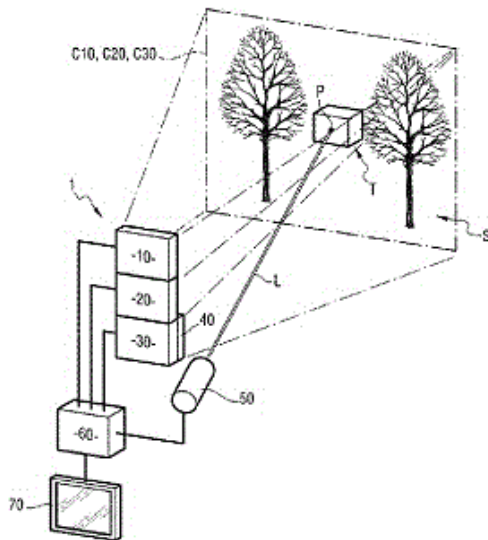


FIG. 1B

21: 2021/03288. 22: 2021/05/14. 43: 2022/11/08  
 51: H04N  
 71: SAFRAN ELECTRONICS & DEFENSE  
 72: ROUX, NICOLAS, LERAT, BRICE, BERTHIER, HÉLOISE  
 33: FR 31: 1871619 32: 2018-11-20

**54: DEVICE AND METHOD FOR OBSERVING A SCENE COMPRISING A TARGET**

00: -  
 Device for observation and designation, comprising a first image sensor and a second image sensor which are connected to an electronic image-processing circuit connected to a display, the first image sensor and the second image sensor being designed to have superimposing fields which respectively output at least a first image and a second image of a same scene, and the device comprising a laser emitter for emitting, in a predetermined area of the field of the second sensor, a laser beam in a predetermined range of wavelengths; a filter with regions of interest extending in front of the second sensor in order to provide an attenuation of the light flux outside the predetermined range of wavelengths in a first region, a substantially total blocking of the light flux coming from the scene in a second region and a maximum transmission of the light flux in a third region; the electronic processing circuit being designed to superimpose the two images by using the area of the second image corresponding to the third region of the filter to spatially calibrate the second image with respect to the first image. Method for observation and designation using such filtering.

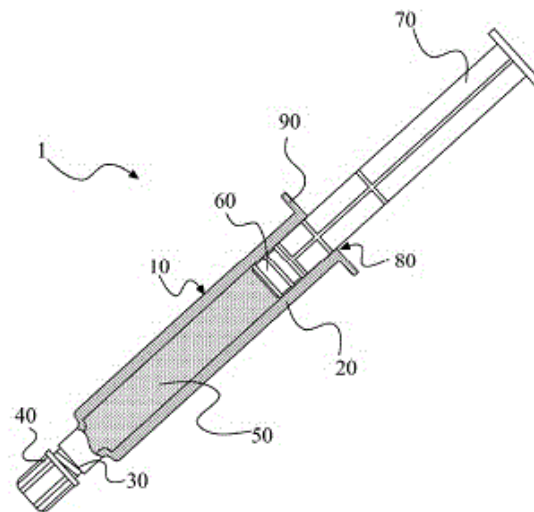


21: 2021/03427. 22: 2021/05/20. 43: 2022/11/08  
 51: A61M; A61J  
 71: KORTUC INC.  
 72: YAMASHITA, SHOHO

33: JP 31: 2018-215913 32: 2018-11-16  
 33: JP 31: 2019-022388 32: 2019-02-12  
 33: JP 31: 2019-115440 32: 2019-06-21

**54: SYRINGE SUITABLE FOR HYDROGEN PEROXIDE SOLUTION AND KIT THEREOF**

00: -  
 A syringe that suppresses decomposition of hydrogen peroxide is provided. An object of the present invention is to provide a syringe includes a portion contacting a hydrogen peroxide solution, in which the portion is made of cycloolefin polymer (COP) or cycloolefin copolymer (COC).



21: 2021/03456. 22: 2021/05/21. 43: 2022/11/08  
 51: C07K

71: UCB BIOPHARMA SRL  
 72: ADAMS, RALPH, DOWNEY, PATRICK, BAKER, TERENCE SEWARD, TYSON, KERRY LOUISE, DE LICHTERVELDE, LORENZO, LIGHTWOOD, DANIEL JOHN, MCMILLAN, DAVID JAMES  
 33: GB 31: 1720975.0 32: 2017-12-15

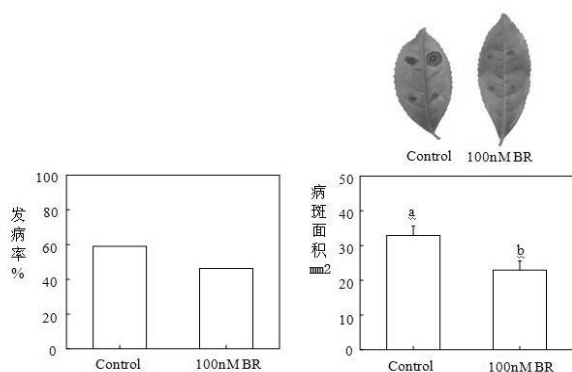
**54: ANTI-ALPHA-SYNUCLEIN ANTIBODIES**

00: -  
 The present invention relates to antibodies binding alpha synuclein and fragments thereof capable of binding alpha synuclein as a monomer and in fibrils and preventing alpha synuclein aggregation induced by alpha synuclein fibrils. The antibodies of the present invention are for use in the treatment of alpha synucleinopathies, including Parkinson's disease.

21: 2021/03497. 22: 2021/05/24. 43: 2022/05/04  
 51: A01N; A01P

71: Tea Research Institute, Chinese Academy of Agricultural Sciences  
 72: LI, Xin, HAN, Wenyan, ZHANG, Lan, YAN, Peng, ZHANG, Liping, FU, Jianyu, XIAO, Qiang  
**54: 24-EPIBRASSINOLIDE (EBL) AND ENVIRONMENTALLY-FRIENDLY EBL-CONTAINING PREPARATION FOR PREVENTING AND TREATING CAMELLIA SINENSIS ANTHRACNOSE**

00: -  
 The present disclosure provides application of 24-epibrassinolide (EBL) and an environmentally-friendly EBL-containing preparation for preventing and treating *Camellia sinensis* anthracnose, and belongs to the technical field of agriculture. The present disclosure discloses application of EBL in the prevention and treatment of *Camellia sinensis* anthracnose in one aspect, and discloses an environmentally-friendly EBL-containing preparation for preventing and treating *Camellia sinensis* anthracnose in another aspect. The present disclosure has the beneficial effects of low cost, convenient use, and no toxic and side effects. The biological preparation, when in use, can effectively reduce an area of diseased spots while reducing an incidence of *Camellia sinensis* anthracnose in tea gardens, and thus can be widely used in the management for preventing and controlling anthracnose in tea production.

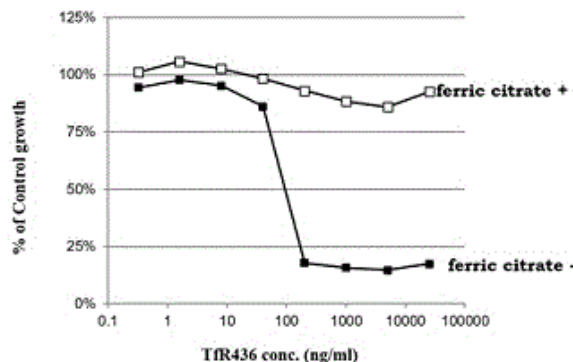


21: 2021/03498. 22: 2021/05/24. 43: 2022/11/08  
 51: C07D; A61P; A61K  
 71: SPERO THERAPEUTICS, INC.  
 72: JAIN, AKASH, HECKER, EVAN, EDWARDS, RICHARD, BONNAUD, THIERRY  
 33: US 31: 62/455,109 32: 2017-02-06  
**54: TEBIPENEM PIVOXIL CRYSTALLINE FORMS, COMPOSITIONS INCLUDING THE SAME, METHODS OF MANUFACTURE, AND METHODS OF USE**

00: -  
 The disclosure is directed to new crystalline tebipenem pivoxil salt forms, including a crystalline tebipenem pivoxil ethane sulfonate salt form (Form A), a crystalline tebipenem pivoxil ketoglutarate salt form (Form A), tebipenem pivoxil maleate salt forms (Form A and Form B), a tebipenem pivoxil malate salt form (Form A), a tebipenem pivoxil methane sulfonate salt form (Form B), a tebipenem pivoxil hydrobromide salt form (Form B), and a tebipenem pivoxil edisylate salt form (Form A). The disclosure also includes a composition, comprising a crystalline tebipenem pivoxil salt and a pharmaceutically acceptable carrier and further includes a method for treating an antibiotic resistant bacterial infection, comprising administering to a patient in need of such treatment a therapeutically effective amount of a crystalline tebipenem pivoxil salt.

21: 2021/03554. 22: 2021/05/25. 43: 2022/11/08  
 51: A61K; A61P  
 71: PERSEUS PROTEOMICS INC.  
 72: ZHANG, LILIN, NOMURA, FUMIKO, KATSUMI, KEIKO, KOTAKA, ROMI, OHIRA, YUTA  
 33: JP 31: 2018-217548 32: 2018-11-20  
 33: JP 31: 2019-167013 32: 2019-09-13  
**54: AGENT FOR INHIBITING IRON UPTAKE INTO CELLS**

00: -  
 It is an object of the present invention to provide an agent for inhibiting iron uptake into cells wherein the agent targets TfR, and an agent for inhibiting the binding between human Tf and human TfR. The present invention provides an agent for inhibiting iron uptake into cells which comprises an antibody which recognizes the amino acids at positions 629 to 633 of a human transferrin receptor.



21: 2021/03559. 22: 2021/05/25. 43: 2022/11/08  
51: F04D; B67D

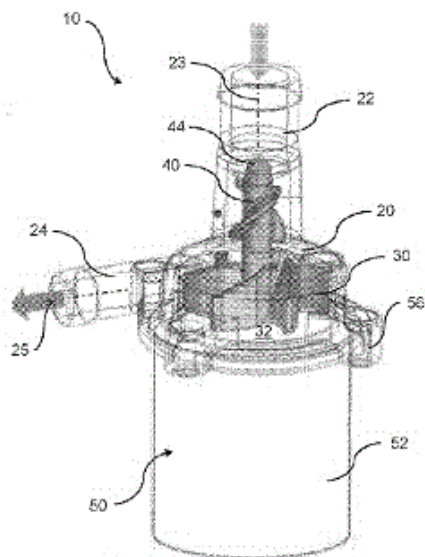
71: ZIP INDUSTRIES (AUST) PTY LTD  
72: MATHEW, ANISH CHERIAN, NOBLE, GARY,  
MOULT, KEVIN

33: AU 31: 2018904256 32: 2018-11-08

**54: A PUMP ASSEMBLY**

00: -

A pump assembly (10) for pumping boiling water to a dispenser in a drinking water dispensing system, the pump assembly (10) comprising: a pump housing (20) having an inlet (22) for the boiling water and an outlet (24) arranged in fluid communication with the inlet (22); an impeller (30) disposed in the pump housing (20) for rotation about a central axis (23) for driving the water from the inlet (22) to the outlet (24), wherein the inlet (22) is arranged on the central axis (23); and an inducer (40) arranged in the inlet (22) to the pump housing (20) and operatively connected to the impeller (40) for rotation therewith about the central axis (23) to induce the water at the inlet (22) towards the impeller (30) and raise the inlet pressure.



21: 2021/03562. 22: 2021/05/25. 43: 2022/11/21  
51: A01H; C12Q

71: SUGARCANE RESEARCH INSTITUTE,  
YUNNAN ACADEMY OF AGRICULTURAL  
SCIENCES

72: HUANG, Ying-Kun, CANG, Xiao-Yan, WANG,  
Xiao-Yan, SHAN, Hong-Li, ZHANG, Rong-Yue, LI,  
Jie, LI, Wen-Feng, YIN, Jiong, LUO, Zhi-Ming

33: CN 31: 201910076734.0 32: 2019-01-27

**54: METHOD FOR CONSTRUCTION OF  
SUGARCANE BROWN RUST RESISTANCE GENE  
MAPPING GENETIC SEGREGATION COLONY**

00: -

Disclosed is a method for construction of a sugarcane brown rust resistance gene mapping genetic segregation colony. The method comprises: obtaining F1 generation seeds by means of hybridization between sugarcane varieties of different sources with high susceptibility to brown rust as female parents and sugarcane varieties of different sources with high resistance to brown rust and not containing Bru1 genes as father parents; screening true F1 hybrid seeds by means of seeding; planting true F1 hybrid single plants; inoculating brown rust germs; surveying morbidity; evaluating resistance on the basis of 9-level standards; analyzing the inheritance of disease resistance of true F1 hybrid colonies; selecting a true F1 hybrid colony with a segregation ratio of about 3 to 1 as the sugarcane brown rust resistant gene mapping genetic segregation colony. The method according to the present invention has simplified procedure and good operability, the segregation ratio for the constructed true F1 hybrid colony is about 3 to 1, the disease resistance gene is controlled by dominant monogene and can be used for brown rust resistance gene mapping.

21: 2021/03584. 22: 2021/05/26. 43: 2022/11/21  
51: C10J; C10L

71: CHINA PETROLEUM & CHEMICAL  
CORPORATION, SINOPEC NANJING RESEARCH  
INSTITUTE OF CHEMICAL INDUSTRY CO., LTD.

72: WANG, Jinli, CAI, Jin, YU, Yang, YIN, Yusheng,  
LI, Haitao, ZHU, Yanfang, HUANG, Xianliang,  
WANG, Huijun, XU, Bengang, ZHANG, Jie, WU,  
Xueqi, WU, Lin

33: CN 31: 201811270816.0 32: 2018-10-29

**54: COAL POWDER PRETREATMENT METHOD  
AND COAL POWDER GASIFICATION METHOD**

00: -

Disclosed are a pulverized coal preprocessing method and a pulverized coal gasifying method. The pulverized coal preprocessing method comprises the following steps: (1) performing pore broadening on pulverized coal to obtain preprocessed pulverized coal; (2) loading alkali metal ions into the preprocessed pulverized coal under an ion exchange condition to obtain alkali metal loaded

pulverized coal. The method further comprises loading a chrome complex into the alkali metal loaded pulverized coal obtained in described step (2). In gasification, the pulverized coal loaded with alkali metal potassium and chrome catalysts obtained by the method has the advantages of high sulphur removal rate, high carbon conversion rate, short gasifying reaction time and high methane production.

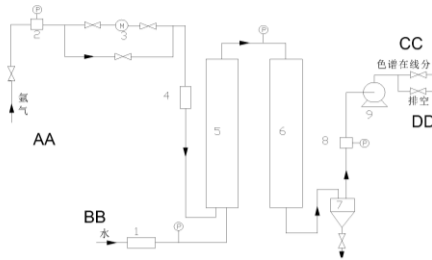
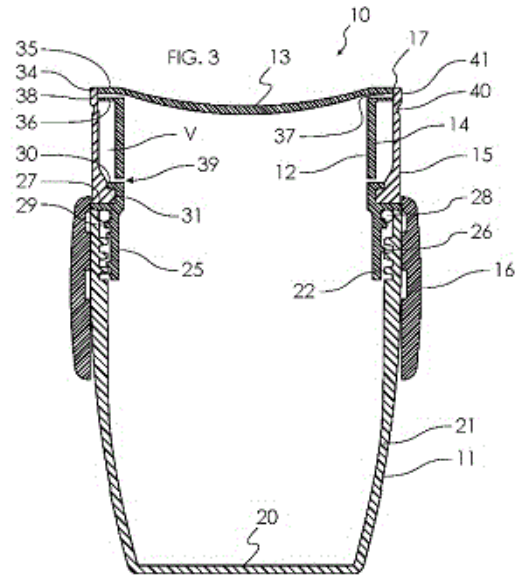


图 1

- AA Argon
- BB Water
- CC On-line chromatography analysis
- DD Emptying

drinking rim (17). The seal (15) being flexible and being responsive to pressure to lift away from the drinking rim (17) to allow the passage of liquid through the drinking rim (17) for drinking from the cup (10).



21: 2021/03585. 22: 2021/05/26. 43: 2022/11/08  
 51: A47G; B65D; A61J  
 71: B.BOX FOR KIDS DEVELOPMENTS PTY LTD  
 72: JUNG, MAYER CHARLES WILLIAM, TJERNBERG, LISA EDLUND, AMATOURY, SYLVAIN JACQUES, HERMANS, TY GERARD, CHANDRASEKARAN, NAVIN CHANDRAKANTH  
 33: AU 31: 2018904571 32: 2018-11-30

**54: DRINKING CUP**

00: -  
 A drinking cup (10) comprising a container (11) and a detachable closure (12). The closure (12) having a connection end (25) for connection to the container (11) and the connection end (25) being open for receipt of liquid from within the container (11). The closure (12) having a closed end (13) opposite the connection end (25) and a drinking rim (17) formed at the peripheral edge of the closed end (13). The closure (12) having a side wall (14) extending between the connection end (25) and the closed end (13), and at least one opening (37) that facilitates the passage of liquid from within the container (11) to the drinking rim (17). A seal (15) supported by the closure (12) and extending around an outside surface of the side wall (14) and sealing the drinking rim (17) against the passage of liquid through the

21: 2021/03586. 22: 2021/05/26. 43: 2022/11/29  
 51: B65G  
 71: REMA TIP TOP AG  
 72: BUSSE, GÜNTER  
 33: DE 31: 10 2018 222 857.4 32: 2018-12-21  
**54: SYNCHRONIZATION OF CONVEYOR BELT AND DRIVE BELT OF AN INCLINED CONVEYOR**  
 00: -

The invention relates to an apparatus and a method for controlling an inclined conveyor, having a control unit (15), a conveyor drive system (5) for driving a conveyor belt (2), and a sensor unit for determining a weight  $G_{i,n}$  of the conveyed material (4), associated with a predetermined sub-region  $T_{i,n}$  of the conveyor belt (2), wherein the sensor unit is designed to transmit information regarding the weight to the control unit (15), wherein the control unit (15) is designed to determine, from the information regarding the weight, a length  $L_{1-n}$ , associated with the predetermined sub-region  $T_{1-n}$ , in an inclined conveyor region  $S$  of the conveyor belt (2) and, based on the determined lengths  $L_{i-n}$  associated with the predetermined sub-regions  $T_{i-n}$ , to adjust an elongation of a drive belt (2) of the conveyor drive system (5).

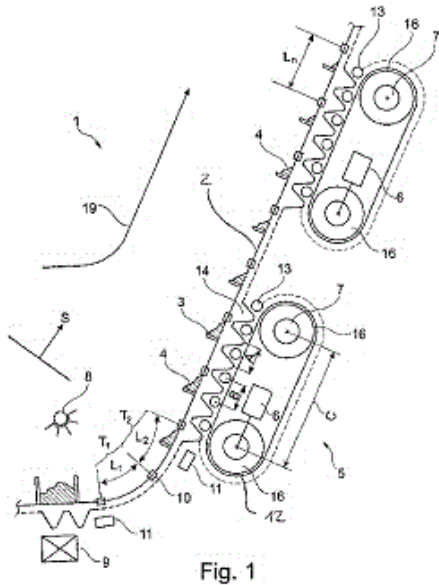


Fig. 1

21: 2021/03598. 22: 2021/05/26. 43: 2022/11/08  
51: F01N; F16K  
71: Akrapovic d.d.

72: PENCA, Jure, AKRAPOVIC, Igor  
33: EP(SI) 31: 18208611.6 32: 2018-11-27

**54: GAS FLOW AND SOUND CONTROL VALVE AND EXHAUST GAS SYSTEM**

00: -  
Gas flow and sound control valve for an exhaust system of an internal combustion engine comprising a housing including an inlet, a first outlet, and a second outlet, and a valve member arranged within the housing for forming a first conduit connecting the inlet to the first outlet and/or a second conduit from the inlet to the second outlet, wherein the valve member can be moved relative to the housing between a first predetermined position in which the valve member closes the second conduit and a second predetermined position in which the valve member closes the first conduit, whereby the valve member is rotatable around a valve axis aligned parallel, in particular coaxial, to a centerline of the inlet.

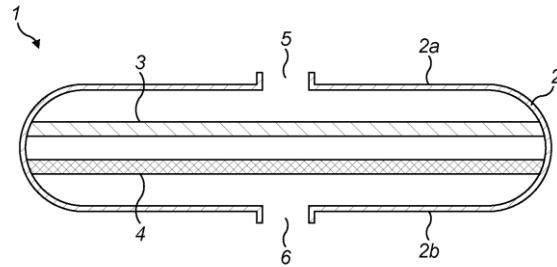
21: 2021/03601. 22: 2021/05/26. 43: 2022/11/17  
51: B01D; G01N  
71: NATURE METRICS LTD

72: BRUCE, Catharine, TANG, Cuong, TOWNEND, Scott

33: GB 31: 1820992.4 32: 2018-12-21

**54: FILTER ASSEMBLY, KIT AND METHODS**

00: -  
Filter Assembly, Kit and Methods The present invention is directed to a filter assembly for capturing environmental DNA (e DNA), a kit comprising the filter assembly, a method of capturing e DNA using the filter assembly, a method of analysing e DNA captured in the filter assembly, and a method of providing biodiversity data by analysing e DNA collected in the filter assembly.



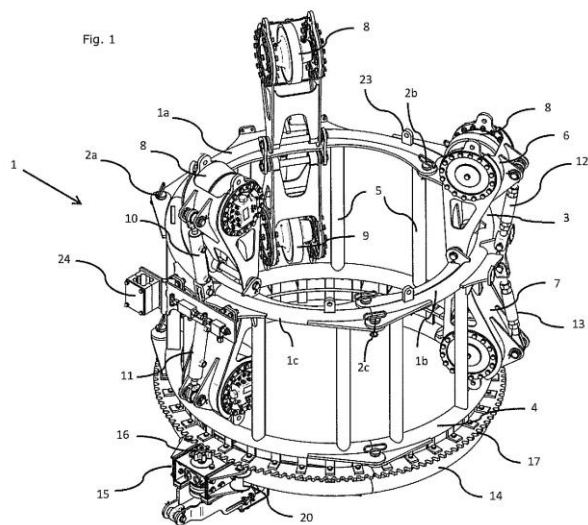
21: 2021/03730. 22: 2021/05/31. 43: 2022/11/08  
51: B08B; B23D; E02B

71: RotoTech Pte Ltd  
72: HARTOG, Simon, VOS, Andries, KLEINE, Peter, WESTERBRINK, Michael, KENDALL, Stuart

**54: APPARATUS FOR SERVICING A STRUCTURE**

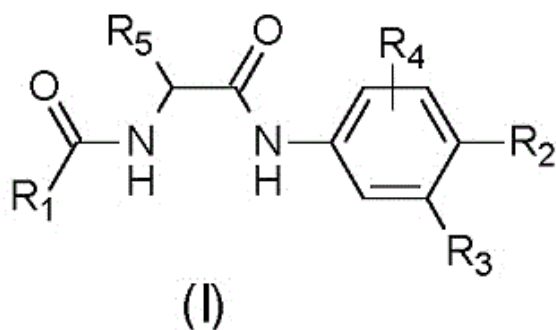
00: -  
Apparatus for servicing a structure comprises a frame (1) for assembly around the structure (30), the frame having least one pair of first and second arms (6, 7) pivotally attached at proximal ends thereof to the frame (1) and carrying respective rotating members (8, 9) arranged to contact the structure and driveable to move the frame (1) along the structure (30).





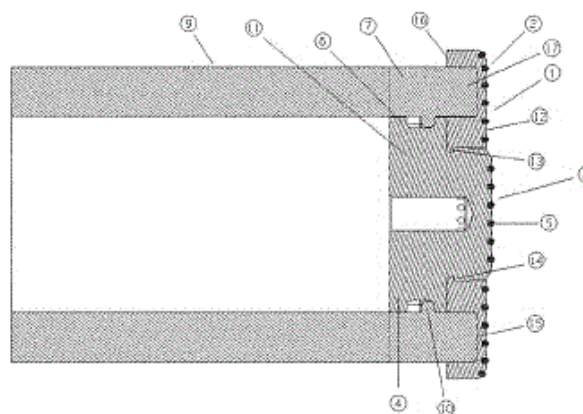
21: 2021/03791. 22: 2021/06/02. 43: 2022/11/08  
 51: A61K; C07D; A61P  
 71: LEO PHARMA A/S  
 72: DACK, KEVIN NEIL, LIANG, XIFU, LARSEN, MOGENS, ANDREWS, MARK, JESSIMAN, ALAN STUART, BURHARDT, MIA NØRRESKOV, JOHNSON, PATRICK STEPHEN, ANDERSEN, PETER, JØRGENSEN, LARS  
 33: EP 31: 19187352.0 32: 2019-07-19  
 33: EP 31: 18214002.0 32: 2018-12-19  
**54: AMINO-ACID ANILIDES AS SMALL MOLECULE MODULATORS OF IL-17**  
 00: -

The present invention relates to a compound according to formula I (I) and pharmaceutically acceptable salts, hydrates, or solvates thereof. The invention further relates to said compounds for use in therapy, to pharmaceutical compositions comprising said compounds, to methods of treating diseases, e.g. dermal diseases, with said compounds, and to the use of said compounds in the manufacture of medicaments.



21: 2021/03792. 22: 2021/06/02. 43: 2022/11/08  
 51: E21B  
 71: MINCON INTERNATIONAL LIMITED  
 72: PURCELL, JOSEPH  
 33: IE 31: S2019/0096 32: 2019-06-20  
 33: IE 31: S2018/0460 32: 2018-11-22  
**54: DRILL BIT ASSEMBLY FOR PERCUSSION DRILL TOOLS**  
 00: -

The present invention relates to a drill bit assembly for fluid-operated percussion drill tools comprising a percussion bit having a head portion and a bit retaining portion. Engagement means are provided on the head portion engageable with complementary engagement means on a drive ring whereby rotational drive from the drive ring may be transmitted to the percussion bit. The assembly also comprises bit retaining means adapted for engagement with the bit retaining portion of the percussion bit to retain the percussion bit in the drill bit assembly. Connection means on the drive ring are adapted for connecting the drive ring to a drive means of the fluid-operated percussion drill tool. According to a first aspect, the drive ring comprises a plurality of separable part- annular drive dog segments, wherein the bit retaining means are provided on at least two of the drive dog segments. According to a second aspect the head portion of the bit comprises a main body and a plurality of bit inserts engaged therewith, and wherein the engagement means is provided by the bit inserts.



21: 2021/03825. 22: 2021/06/03. 43: 2022/11/25  
 51: A23L  
 71: UNILEVER IP HOLDINGS B.V.

72: KINKELIN, THOMAS JÜRGEN, MERKL, SUSANNE KERSTIN, ROMANN, JOACHIM, RUPP, WINFRIED

33: EP 31: 18214402.2 32: 2018-12-20

**54: AGGLOMERATED COMPOSITION COMPRISING AN EDIBLE SOLID PARTICULATE COMPONENT AND A POTATO STARCH**

00: -

The objective of the present invention is to provide a composition containing an edible solid particulate component, for example a starch, which is free from additives like maltodextrin, lactose and flowability improvers. Nevertheless, the removal of such additives should not lead to inferior qualities of such composition when in use. The objective of this invention is to provide an alternative to such additives, which has a natural image for consumers, and which can lead to benefits like good dissolution of the starch, no clumping during dissolution, good flowability of a dry mixture in a factory, and which does not lead to a dusty dry powder mixture. This problem has been solved by agglomerating an edible solid particulate component, preferably containing a starch, with particulate, expanded, gelatinized potato starch, to create a dry, particulate, agglomerated composition. The combination of these ingredients leads to improvement of the free-flowability of such mixture, and/or decrease of the dustiness and/or improvement of the solubility of a mixture comprising such ingredients.

21: 2021/03826. 22: 2021/06/03. 43: 2022/11/08

51: A61K; A61Q

71: UNILEVER GLOBAL IP LIMITED

72: BARFOOT, RICHARD JONATHAN, CLARKSON, HEATHER, COOKE, MICHAEL JAMES, DICKINSON, KELVIN BRIAN, GILES, COLIN CHRISTOPHER DAVID, MENDOZA FERNANDEZ, CESAR ERNESTO, ZHOU, RONGRONG

33: EP 31: 18213920.4 32: 2018-12-19

**54: DEPOSITION SYSTEM FOR HAIR**

00: -

A hair treatment composition comprising: a) a conditioning base comprising: i) a cationic conditioning surfactant having from 16 to 32 carbon atoms; ii) a fatty alcohol having from 8 to 22 carbon atoms; and b) from 0.1 to 10 wt % of a microcapsule in which a core comprising benefit agent is encapsulated in a polymeric shell; and (c) from 0.1 to 5 wt % of a diesterquat, provides improved

deposition of microcapsules and delivery of benefit agent to hair surfaces.

21: 2021/03827. 22: 2021/06/03. 43: 2022/11/08

51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: ANTONELLI, SANDRA, BANDYOPADHYAY, PUNAM, KOTTUKAPALLY, JIJI PAUL, NAIK, MAHESHWARA SHIVA, TROMBETTA, IVANA

33: EP 31: 18213088.0 32: 2018-12-17

**54: LIQUID HAND DISHWASH FORMULATION COMPRISING FATTY ACIDS AND POLYMER**

00: -

The present invention is in the field of hard surface cleaning compositions, in particular liquid detergent compositions with improved emulsification and oily soil removal of hard surfaces, such as tableware. Accordingly, the invention relates to a liquid detergent composition comprising a. from 8 to 30 wt% of a surfactant system comprising: i. a primary surfactant of the formula  $R_1-(OR')_n-O-SO_3^-M^+$ , wherein:  $R_1$  is saturated or unsaturated  $C_8-C_{16}$ alkyl chain;  $R'$  is ethylene;  $n$  is from 1 to 18;  $M^+$  is a suitable cation which provides charge neutrality selected from sodium, calcium, potassium and magnesium; and ii. at least one secondary surfactant selected from amphoteric surfactants, alkyl sulphates, alkylbenzene sulphonate and derivatives; b. from 0.001 to 0.2 wt% of polyethylene oxide having molecular weight higher than 200,000 g/mol, c. from 0.05 to 2 wt% of fatty acids comprising a saturated hydroxy fatty acids having 8 to 18 carbon atoms, saturated non-hydroxy fatty acids having 8 to 18 carbon atoms, or mixtures thereof; d. 0.1 to 5% by weight of an inorganic salt selected from the group consisting of sodium chloride, magnesium sulfate, sodium sulfate and combinations thereof; and e. water. The invention further relates to method of cleaning a hard surface using the composition of the invention, as well as the use thereof.

21: 2021/03869. 22: 2021/06/04. 43: 2022/11/08

51: B65D

71: SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA

72: BASSI, VITTORIO, FALZONI, ALESSANDRO

33: IT 31: 102019000012534 32: 2019-07-22

33: IT 31: 102020000006496 32: 2020-03-27

33: IT 31: 102019000012585 32: 2019-07-22

**54: A CAP FOR A CONTAINER, COMBINATION OF A CAP AND A NECK OF THE CONTAINER AND ITS PRODUCTION METHOD**

00: -  
 Described is a cap (1) for a container (2), a combination of a closing cap for a container and a neck of the container and a relative method for making the cap for the container. The cap comprises a lateral wall extending about an axis and a transversal wall positioned at one end of the lateral wall, a separation line being provided on the lateral wall to define a retaining ring, which is configured to remain anchored to a neck of the container and which extends up to a free edge; a closing element (302) removably engageable with the neck, so as to open or close the container; the separation line extends about an axis and being circumferentially interrupted to leave the retaining ring (301) and the closing element joined; wherein the retaining ring comprises a joining portion (305) at which the retaining ring is joined to the closing element; a first connecting band (306), which extends from a first end zone of the joining portion to the retaining portion (303), and a second connecting band (307), which extends from a second end zone of the joining portion, the second end zone being positioned circumferentially on the opposite side to the first end zone; a tab (308), interposed between the first connecting band (306) and the second connecting band (307) and being protruding, or aligned with respect to it, so that, when the closing element is in an open condition and the connecting bands keep the closing element connected to the retaining ring, the tab can rest on the neck (201). A method is also provided for making the cap in a cutting unit.

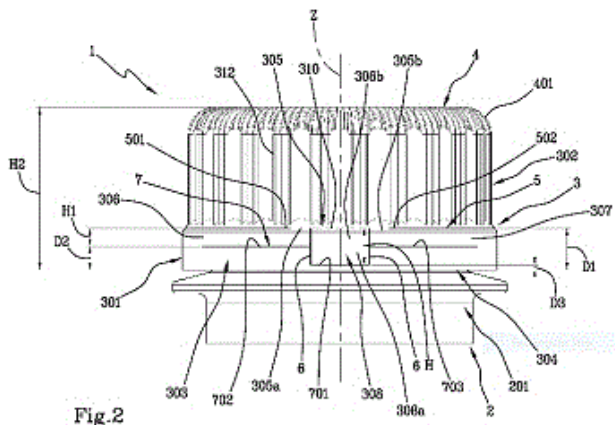


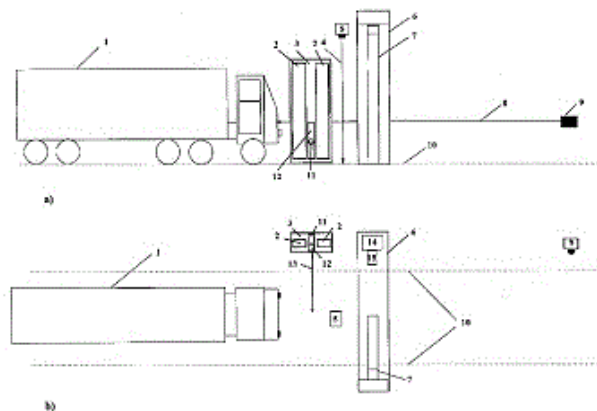
Fig. 2

21: 2021/03909. 22: 2021/06/07. 43: 2022/11/08  
 51: G01V

71: OBSHHESTVO S OGRANICHENNOJ OTVETSTVENNOST'YU "ISB.A" (000 "ISB.A")  
 72: SIDOROV, ALEKSANDR VLADIMIROVICH, NOVIKOV, SERGEJ PETROVICH, GREBENSHCHIKOV, VLADIMIR VITAL'EVICH, FIALKOVSKIJ, ANDREJ MIHAJLOVICH, KRIVCHIKOV, EVGENIJ VLADIMIROVICH  
 33: RU 31: 2018147399 32: 2018-12-27

**54: SYSTEM FOR SCREENING VEHICLES AND METHOD OF RADIOSCOPIC CONTROL OF MOVING OBJECTS**

00: -  
 The group of inventions relates to the field of controlling the self-propelled vehicles and other mobile objects and could be used for screening in order to detect hidden items, substances and materials for reasons of security and reliability of such a control. The technical-and-economic efficiency of the claimed group of inventions consists in increasing the operation speed and the capacity of the system as well as in increasing the security, reliability and accuracy of the inspected object screening due to the system structural design and the screening method realized on the basis thereof, that method envisaging the determination of the zone not subject to the radiation, as well as the new method for forming a numerical matrix of shadow image and for forming the shadow image permitting to take into account the non-uniformity of the object movement in the course of radiation scanning.



21: 2021/04010. 22: 2021/06/10. 43: 2022/11/29  
 51: B01J

71: SABIC GLOBAL TECHNOLOGIES B.V.

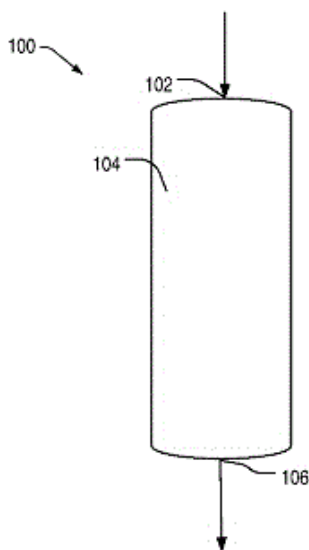
72: AL-NEZARI, ABDULAZIZ, KOROBKOV, ILIA, ALBAHILY, KHALID

33: US 31: 62/758,783 32: 2018-11-12

**54: LIGANDS FOR PRODUCTION OF 1-OCTENE IN CHROMIUM ASSISTED ETHYLENE OLIGOMERIZATION PROCESS**

00: -

Catalyst compositions and processes for the oligomerization of ethylene to 1-octene are described. The catalyst composition includes a triamino bisphosphino (NPNP) ligand system with specific phosphorous and nitrogen ligands. The terminal nitrogen atoms include linear alkyl hydrocarbons that differ in the number of carbon atoms by 3.



21: 2021/04020. 22: 2021/06/10. 43: 2023/01/05  
51: B66F

71: NALKO ENERGY AND RESOURCES (PTY) LTD

72: NONGE, Khathutshelo Octavius

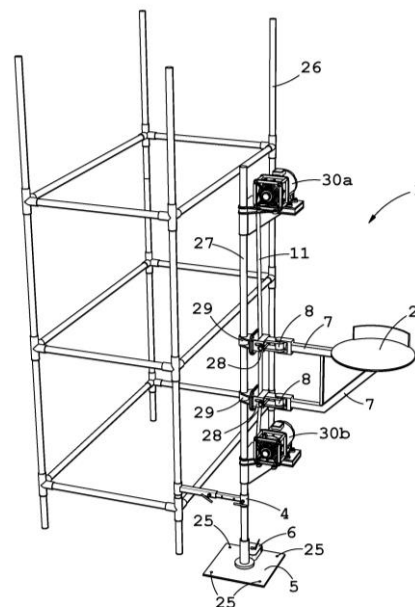
33: ZA 31: 2020/01493 32: 2020-03-10

**54: AN APPARATUS FOR ASSESSING, CONTROLLING AND TRANSPORTING CONSTRUCTION MATERIALS**

00: -

This invention relates to an apparatus for transporting construction materials and more specifically, but not exclusively, to an apparatus for transporting and monitoring materials at construction sites. In accordance with the invention there is provided, a material's quality management and apparatus for transporting construction materials comprising a construction material holder; a linear

actuator; the holder including an actuator engaging element for engaging the actuator such that the holder may move along the actuator; and a control unit, for controlling the direction and extent of the movement of the linear actuator. It is envisaged that the invention will provide an apparatus which will transport construction material and record the operation of the apparatus more efficiently and via remote access in order to reduce labour, transport materials at a more efficient speed, and keep track of materials which are more susceptible to theft.



21: 2021/04083. 22: 2021/06/14. 43: 2022/11/08

51: A61L; C12N

71: Bayer HealthCare, LLC

72: LEE, Janice Hsiu Mei, LIU, Shengjiang, ZOU, June

33: US 31: 62/767,652 32: 2018-11-15

**54: VIRAL INACTIVATION METHODS FOR CONTINUOUS MANUFACTURING OF ANTIBODIES**

00: -

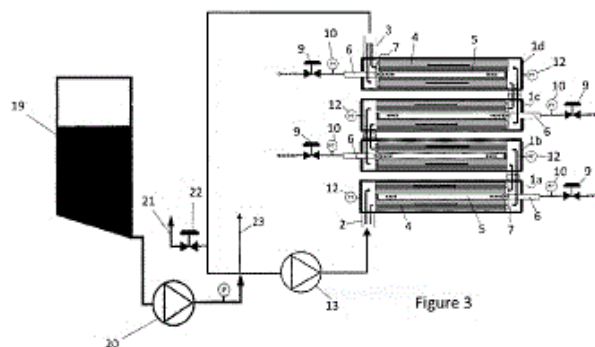
This disclosure relates to methods for use in inactivating viruses. The virus inactivation methods are for use in continuous process manufacturing of a biologic such as an antibody, and include separating an eluate using a column, subjecting said eluate to an orthogonal treatment of low pH and detergent simultaneously wherein, the time for viral inactivation is reduced. In addition, the detergent can be added to buffer system in purification process to achieve

the same effect. The biologic in each treatment case is retained.

21: 2021/04148. 22: 2021/06/17. 43: 2022/11/08  
 51: B01D  
 71: SD FILTRATION A/S  
 72: JOHANSEN, ULRIK, BUNDGAARD, MICHAEL S, ANDREASEN, KELD B  
 33: DK 31: PA 2018 00984 32: 2018-12-11  
 33: DK 31: PA 2019 00668 32: 2019-05-29  
**54: APPARATUS WITH MULTI-STAGE CROSS FLOW MEMBRANE FILTRATION**

00: -  
 The present invention relates to an apparatus and a method for cross-flow membrane filtration which may be used for filtration processes requiring a controllable low Transmembrane Pressure (TMP) and at the same time a controllable high cross-flow. This may be the case both for microfiltration and for ultrafiltration processes. Particularly, the apparatus is directed to use in preparation of food ingredients where fractionating is required. An apparatus comprises a plurality of n membrane modules (2,..., n) and a pump, where the membrane module (1) positioned immediately downstream of the pump is named the first membrane module (1a), each membrane module (1) comprises at least one membrane element (4), one inlet (2) for fluid feed and one outlet (3) for fluid feed, one outlet for permeate (6), and a back-pressure control means (9) such as a valve configured to control the pressure and/or the flow at the outlet for permeate (6), each membrane element (4) has a central opening (5) configured to collect permeate and direct the permeate to the outlet for permeate (6), which outlet for permeate (6) is positioned at the same end of the membrane module (1) as the outlet (3) for fluid feed providing concurrent flows in fluid feed and permeate in full length of each membrane module (1). The outlet (3) for fluid feed of the first membrane module (1a) is connected to the fluid inlet (2) of the second membrane module (1b), and if further membrane module(s) is/are present, the outlet (3) for fluid feed of a previous membrane module (n-1) is connected to the fluid inlet (2) of a following membrane module (n), and for the last membrane module (n), the outlet (3) for fluid feed is connected to the fluid inlet (2) for fluid feed of the first membrane module (1a). A method comprises the

following steps a), b) and c): a) An amount of fluid feed is continuously pumped with pressure PB through a loop comprising a multiplicity of n membrane modules which modules are serially connected, the fluid feed and permeate flow concurrently through each of the n membrane module(s), b) generated permeate is continuously drained from each membrane module through a permeate outlet, c) the permeate pressure at the permeate outlet of each membrane module is controlled keeping TMP within a desired range.



21: 2021/04185. 22: 2021/06/18. 43: 2022/11/21  
 51: A01C  
 71: SILVA, Marcio Luiz Neuvald, NOER, Miguel Humberto  
 72: SILVA, Marcio Luiz Neuvald, NOER, Miguel Humberto  
**54: MECHANICAL DISC METER WITH VARIABLE ASSEMBLY ARTICULATION POINT**

00: -  
 The mechanical disc meter with variable assembly articulation point that is the subject matter of the present invention comprises a main structure (10) provided with projections (11) that have a set of holes (12) that serve as an articulation point for various models of base (20A), (20B) and (20C) for supporting the disc, enabling greater variety in the use of the bases on a single main structure such that the disc that fits best into the row of the planting machine can be used, dispensing with the use of adaptors and simplifying installation. This results in a structure (10) provided with variable articulation points (12).

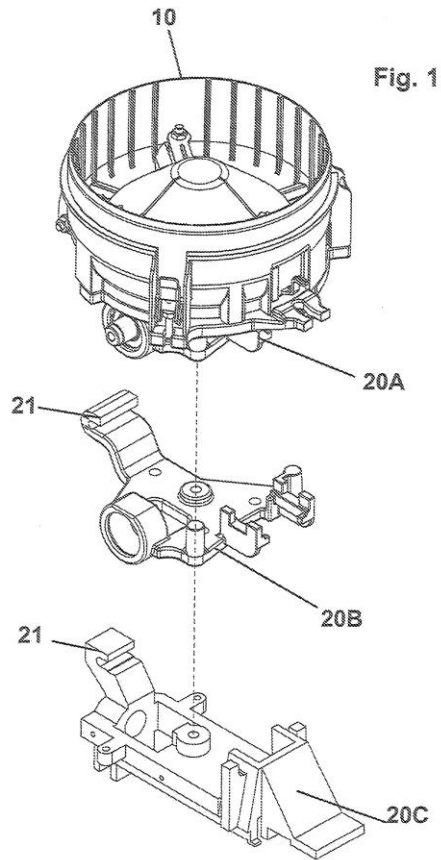
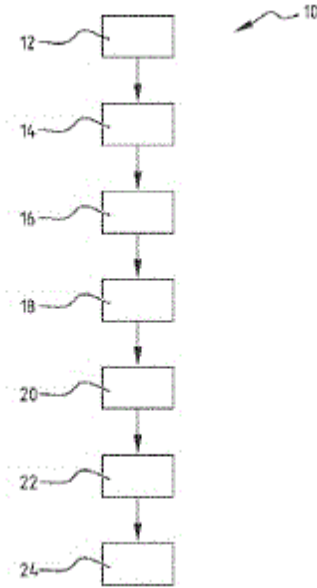


Fig. 1

circuit cooling tower is by the method according to the invention. The invention also relates to a system for patinating zinc surfaces according to the invention.

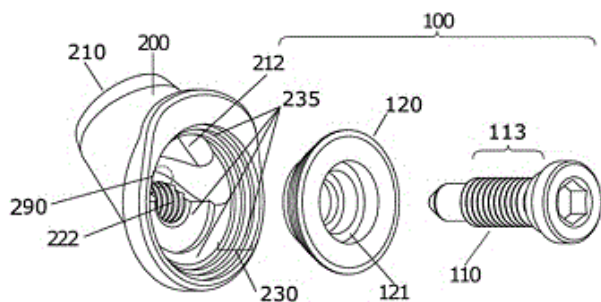


21: 2021/04198. 22: 2021/06/18. 43: 2022/11/08  
 51: C23C  
 71: AQUACARE EUROPE B.V.  
 72: KOOS JAN, BAAS  
 33: NL 31: 2022279 32: 2018-12-21  
**54: METHOD FOR PATINATING ZINC SURFACES AND SYSTEM THEREFOR**  
 00: -

The invention relates to a method for patinating zinc surfaces of a structural element, comprising the steps of: - providing a structural element with a zinc surface in a housing; - providing an atmosphere around the zinc surface, wherein said atmosphere comprises carbon based gas and humidity; and - heating the zinc surface for at least one hour, to provide a patinated zinc surface, wherein the heating of the zinc surface occurs by heating the atmosphere to a temperature of at least 50 °C, the humidity is at least 70%, and the carbon based gas concentration is at least 5% by volume. The invention also relates to a patinated evaporative condenser in a closed circuit cooling tower, wherein the patinated evaporative condenser in a closed

21: 2021/04253. 22: 2021/06/21. 43: 2022/11/08  
 51: A61F  
 71: ABANZA TECNOMED, S.L.  
 72: ABASCAL RUBIO, JOSÉ MANUEL, ABASCAL AZANZA, JUAN  
 33: EP 31: 18382946.4 32: 2018-12-19  
**54: MEDICAL FASTENING DEVICE FOR THE FASTENING OF GRAFTS**  
 00: -

The present invention relates to a medical fastening device for the fastening of grafts, wherein the medical fastening device is suitable for being inserted in a bone tunnel of a bone, and wherein said medical fastening device comprises a first fastening element and a second fastening element. The invention also describes a system for inserting the medical fastening device of the present invention and a second alternative medical fastening device for the fastening of a graft



21: 2021/04254. 22: 2021/06/21. 43: 2022/11/08  
 51: A61K; A61P  
 71: LUNELLA BIOTECH, INC.  
 72: FIORILLO, MARCO, LISANTI, MICHAEL P, SOTGIA, FEDERICA  
 33: US 31: 62/780,488 32: 2018-12-17  
 33: US 31: 62/834,794 32: 2019-04-16  
 33: US 31: 62/804,411 32: 2019-02-12

**54: TRIPLE COMBINATION THERAPIES FOR ANTI-AGING**

00: -  
 The present approach effectively eradicates senescent cells and cells carrying the hallmarks associated with aging, through inhibiting mitochondrial biogenesis during induced mitochondrial oxidative stress, without inhibiting normal cells. Embodiments may include a therapeutic agent that inhibits mitochondrial biogenesis and targets the large mitochondrial ribosome, a therapeutic agent that inhibits mitochondrial biogenesis and targets the small mitochondrial ribosome, and a therapeutic agent that behaves as a pro-oxidant or induces mitochondrial oxidative stress. Some embodiments include sub-antimicrobial antibiotic concentrations, thereby minimizing antibiotic resistance concerns.

21: 2021/04255. 22: 2021/06/21. 43: 2022/11/08  
 51: A61K; A61P  
 71: LUNELLA BIOTECH, INC.  
 72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, FIORILLO, MARCO  
 33: US 31: 62/780,488 32: 2018-12-17  
 33: US 31: 62/804,411 32: 2019-02-12

**54: TRIPLE COMBINATION THERAPIES FOR TARGETING MITOCHONDRIA AND KILLING CANCER STEM CELLS**

00: -  
 Cancer stem cells (CSCs) may be eradicated through a novel therapeutic strategy involving, in

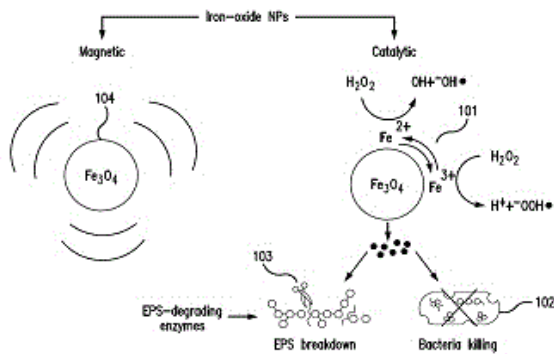
some embodiments, FDA-approved antibiotics and dietary supplements. The present approach effectively results in the synergistic eradication of CSCs through inhibiting mitochondrial biogenesis in CSCs during induced mitochondrial oxidative stress, without inhibiting normal cells. Embodiments may include a therapeutic agent that inhibits mitochondrial biogenesis and targets the large mitochondrial ribosome, a therapeutic agent that inhibits mitochondrial biogenesis and targets the small mitochondrial ribosome, and a therapeutic agent that behaves as a pro-oxidant or induces mitochondrial oxidative stress. Compositions according to the present approach inhibited CSC propagation by ~ 90% in MCF7 ER(+) cell lines during preliminary studies, with confirmed reduction in mitochondrial oxygen consumption and ATP production. Some embodiments include sub-antimicrobial antibiotic concentrations, thereby minimizing antibiotic resistance concerns. In some embodiments, one or more therapeutic agents are conjugated with a targeting signal.

21: 2021/04331. 22: 2021/06/23. 43: 2022/11/08  
 51: A01N; A61K  
 71: THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA  
 72: KOO, HYUN, STEBE, KATHLEEN, KUMAR, VIJAY, HUNTER, ELIZABETH, STEAGER, EDWARD, BRINK, EVAN  
 33: US 31: 62/772,306 32: 2018-11-28

**54: SMALL-SCALE ROBOTS FOR BIOFILM ERADICATION**

00: -  
 Systems and methods for eradicating biofilms by killing bacteria within a biofilm, degrading the matrix and removing biofilm debris are disclosed herein. The disclosed subject matter provides techniques for administering a suspension of H<sub>2</sub>O<sub>2</sub> and iron oxide nanoparticles to substantially eradicate bacteria within a biofilm matrix and degrade the bio film matrix, actuating the iron oxide nanoparticles for assembly into biohybrid robots suitable for removal of biofilm debris, and moving the biohybrid robots to remove the bio film debris from accessible or enclosed surfaces. In some embodiments, the disclosed subject matter can include embedding iron oxide nanoparticles in a hydrogel to form a soft robotic structure, administering the soft robotic

structure to a biofilm-covered location, and magnetizing the soft robot structure to substantially eradicate bacteria within a biofilm matrix, degrade the biofilm matrix, and remove biofilm debris from enclosed surfaces.



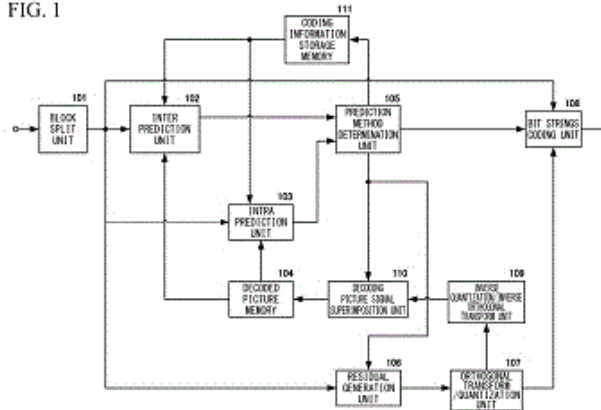
21: 2021/04332. 22: 2021/06/23. 43: 2022/11/25  
 51: C12N; A61K  
 71: UNIVERSITÄT BASEL  
 72: JEKER, LUKAS, DÖLZ, MARIANNE  
 33: EP 31: 19155132.4 32: 2019-02-01  
**54: CALCINEURIN INHIBITOR RESISTANT IMMUNE CELLS FOR USE IN ADOPTIVE CELL TRANSFER THERAPY**

00: -  
 The present invention relates to immune cells in which the regulatory activity of miR-17~92 cluster or paralogs thereof is increased to confer calcineurin inhibitor resistance. In particular said immune cell is engineered to overexpress at least one mi RNA of miR-17~92 cluster or paralogs thereof or to inactivate at least one miR-17~92 cluster target gene to confer calcineurin inhibitor resistance. Particularly, the present invention relates to the use of calcineurin inhibitor-resistant immune cells in combination with calcineurin inhibitor in adoptive cell transfer therapy in a patient in need thereof.

21: 2021/04334. 22: 2021/06/23. 43: 2022/11/08  
 51: H04N  
 71: JVCKENWOOD CORPORATION  
 72: TAKEHARA, HIDEKI, NAKAMURA, HIROYA, SAKAZUME, SATORU, FUKUSHIMA, SHIGERU, KUMAKURA, TORU, KURASHIGE, HIROYUKI  
 33: JP 31: 2018-247413 32: 2018-12-28  
 33: JP 31: 2019-082764 32: 2019-04-24  
**54: PICTURE CODING DEVICE, PICTURE CODING METHOD, PICTURE DECODING DEVICE, AND PICTURE DECODING METHOD**

00: -  
 Provided is a technology for improving encoding efficiency by performing block division suitable for encoding and decoding an image. The present invention is provided with: an encoded information storage unit that fills all history candidates in a history predictive motion vector candidate list with at least predetermined motion vectors and reference indexes; a merge candidate list generation unit that generates a merge candidate list including, as merge candidates, at least motion vectors and reference indexes of blocks adjacent to a to-be-encoded block; a history merge candidate addition unit that adds history candidates included in the history predictive motion vector candidate list to the merge candidate list as merge candidates so as to output a second merge candidate list; and a merge candidate selection unit that selects, from the second merge candidate list, merge candidates as selected merge candidates. The encoded information storage unit adds the selected merge candidates to the history predictive motion vector candidate list as the history candidates so as to output the history predictive motion vector candidate list.

FIG. 1

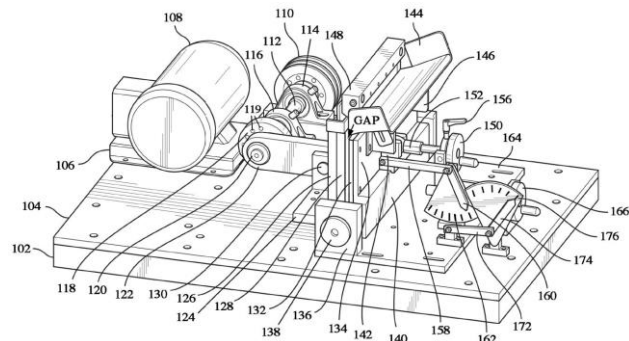


21: 2021/04344. 22: 2021/06/24. 43: 2022/11/21  
 51: A23N  
 71: SOUTH GEORGIA PECAN COMPANY, INC.  
 72: WORN, Jeffrey Jinnin, MITCHELL, John  
 33: US 31: 63/044,348 32: 2020-06-25  
 33: US 31: 17/355,403 32: 2021-06-23  
**54: NUT-CRACKING APPARATUS**

00: -  
 Improved nut-cracking apparatus enables a user to set the gap and/or taper of opposing cracking plates



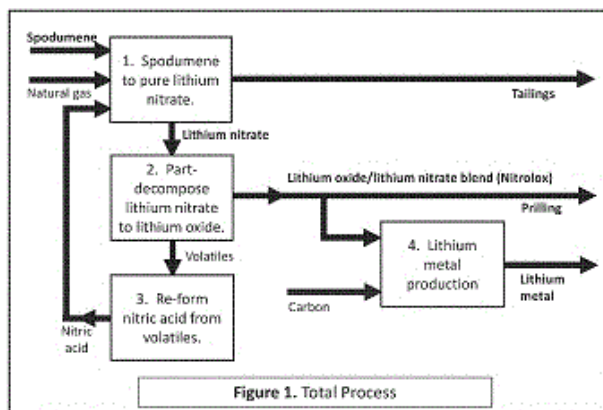
in real time during machine operating to achieve superior, repeatable results cracking various nuts, including different varieties of pecan. To independently adjust both gap and taper, the lower portion of the rear cracking plate is hinged to adjust taper, and the hinged rear plate is further coupled to a slide plate, enabling the overall gap to be adjusted with a mechanism that causes the slide plate to move toward and away from the gap without changing the angle of the rear plate. The stroke of the reciprocating front plate may also be adjustable. The apparatus may further include visual indicators that convey the settings of the overall gap or gap taper so that multiple machines may be brought on line or adjusted without excessive trial and error.



21: 2021/04358. 22: 2021/06/24. 43: 2022/11/08  
 51: C01D; C22B; H01M  
 71: ICSIP PTY LTD  
 72: HUNWICK, RICHARD  
 33: AU 31: 2018904540 32: 2018-11-29  
**54: PRODUCTION OF LITHIUM CHEMICALS AND METALLIC LITHIUM**  
 00: -

A process and system are disclosed for producing lithium oxide from lithium nitrate. In the process and system, the lithium nitrate is thermally decomposed in a manner such that a fraction of the lithium nitrate forms lithium oxide, and such that a remaining fraction of the lithium nitrate does not decompose to lithium oxide. The thermal decomposition may be terminated after a determined time period to ensure that there is a remaining fraction of lithium nitrate and to thereby produce a lithium oxide in lithium nitrate product. The lithium oxide in lithium nitrate product may have one or more transition-metal oxides, hydroxides, carbonates or nitrates added thereto to form a battery electrode. The lithium oxide in lithium nitrate product may alternatively be

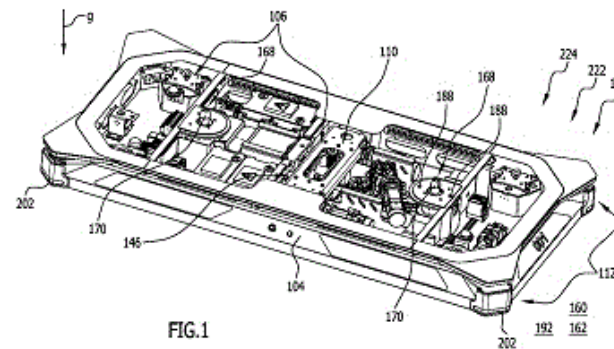
subjected to carbothermal reduction to produce lithium metal.



21: 2021/04359. 22: 2021/06/24. 43: 2022/11/08  
 51: B62D  
 71: DÜRR SYSTEMS AG  
 72: LAUER, MICHAEL, BARTSCH, DIRK, REMPP, PETER, FRASCH, BENNY, WEIDLE, MARTIN, BAYHA, JOHANNES, BELL, STEFANO  
 33: DE 31: 10 2019 200 307.9 32: 2019-01-11  
 33: DE 31: 10 2019 200 308.7 32: 2019-01-11  
 33: DE 31: 10 2019 206 729.8 32: 2019-05-09  
 33: DE 31: 20 2019 100 145.3 32: 2019-01-11  
 33: DE 31: 10 2019 200 310.9 32: 2019-01-11  
 33: DE 31: 10 2019 200 311.7 32: 2019-01-11

**54: CONVEYING DEVICE, PROCESSING INSTALLATION, METHOD FOR CONVEYING AND/OR PROCESSING OBJECTS**  
 00: -

The present invention relates to a vehicle which is used in particular for the transport of objects, in particular workpieces. In this case, preferably one or more receiving elements for receiving one or more objects are provided.



21: 2021/04360. 22: 2021/06/24. 43: 2022/11/08  
51: C07K

71: NAVIGO PROTEINS GMBH  
72: FIEDLER, ERIK, KAHL, MATHIAS  
33: EP 31: 19193552.7 32: 2019-08-26  
33: EP 31: 19154972.4 32: 2019-02-01

**54: IMMUNOGLOBULIN BINDING PROTEINS FOR AFFINITY PURIFICATION**

00: -  
The present invention relates to immunoglobulin (Ig) binding proteins comprising one or more domains. The invention further relates to affinity matrices comprising the Ig binding proteins of the invention. The invention also relates to a use of these Ig binding proteins or affinity matrices for affinity purification of immunoglobulins and to methods of affinity purification using the Ig binding proteins of the invention.

FIGURES  
FIG. 1. Amino acid sequence of SEQ ID NO: 17 and amino acid sequences of SEQ ID NO: 1-6

17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
17	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

FIG. 1B. Amino acid sequence of SEQ ID NO: 18 and amino acid sequences of SEQ ID NO: 7-10

18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
18	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

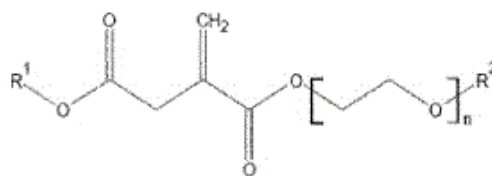
21: 2021/04362. 22: 2021/06/24. 43: 2022/11/08  
51: C07C; C11D

71: UNILEVER GLOBAL IP LIMITED  
72: BEJ, SUJOY, PATIL, NIVEDITA JAGDISH, CHAKRABORTY, SAHELI, ROYCHOWDHURY, SUMANA, SUBRAMANIAN, RAMAKRISHNAN  
33: EP 31: 19150712.8 32: 2019-01-08

**54: ITACONATE SURFACTANTS**

00: -  
The invention provides an itaconate surfactant having the following formula (I) in which R<sup>1</sup> is selected from aliphatic hydrocarbonyl groups having 4 to 22 carbon atoms; R<sup>2</sup> is selected from hydrogen and aliphatic hydrocarbonyl groups having 1 to 4 carbon atoms; 10 and n is an integer ranging from 8 to 20. The surfactants of the invention are benign to the skin and to the environment yet can offer a

performance that is comparable to that of "traditional" anionic and anionic/nonionic surfactant systems, especially on difficult-to-remove stains.



(I)

21: 2021/04363. 22: 2021/06/24. 43: 2022/11/08  
51: A61K; A61P; C12N

71: MASTELLI S.R.L.  
72: PRUSSIA, GIOVANNI, PRUSSIA, CLAUDIA, CATTARINI MASTELLI, GIULIA  
33: IT 31: 102019000001081 32: 2019-01-24

**54: A COMPOSITION FOR THE TREATMENT OF PERIODONTITIS AND REGENERATION OF INTERDENTAL PAPILLA**

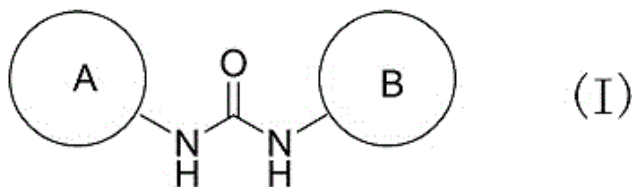
00: -  
A composition comprising hyaluronic acid and a mixture of polynucleotides extracted from a natural source, for use as an active substance in the therapeutic and/or cosmetic treatment for regeneration of the interdental papilla or in the therapeutic and/or cosmetic treatment of the recession of the interincisal papilla (black triangle syndrome) or in the therapeutic and/or cosmetic treatment of periodontitis, is described herein.

21: 2021/04402. 22: 2021/06/25. 43: 2022/11/16  
51: A61K; A61P; C07D

71: TAKEDA PHARMACEUTICAL COMPANY LIMITED  
72: HIRAYAMA, TAKAHARU, ITO, YOSHITERU, BANNO, HIROSHI, TOKUHARA, HIDEKAZU, TANAKA, TOSHIO, ARIKAWA, YASUYOSHI, NII, NORIYUKI, KAWAKITA, YOUICHI, IMAMURA, SHINICHI  
33: JP 31: 2018-222530 32: 2018-11-28

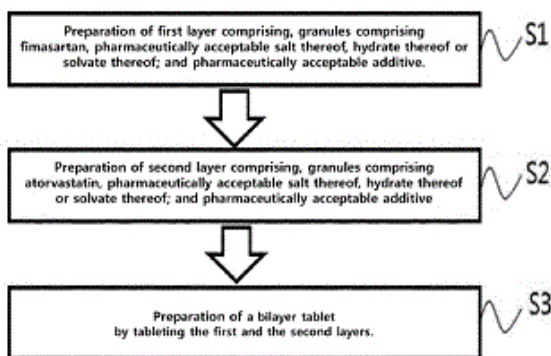
**54: HETEROCYCLIC COMPOUND**

00: -  
Provided is a compound that can have an effect of inhibiting MALT1 and is expected as useful as a prophylactic or therapeutic drug for cancer, etc. A compound represented by formula (I) [wherein each symbol is as defined in the description], a salt thereof, or a cocrystal, a hydrate or a solvate of the same.



21: 2021/04403. 22: 2021/06/25. 43: 2022/11/08  
 51: A61K; A61P  
 71: BORYUNG PHARMACEUTICAL CO., LTD.  
 72: KIM, YUNSAM, KIM, MYUNG SIC, SHIN, DONG CHUL, HWANG, YONGYOUN  
 33: KR 31: 10-2018-0173649 32: 2018-12-31  
**54: TABLET AND METHOD OF PREPARING SAME**

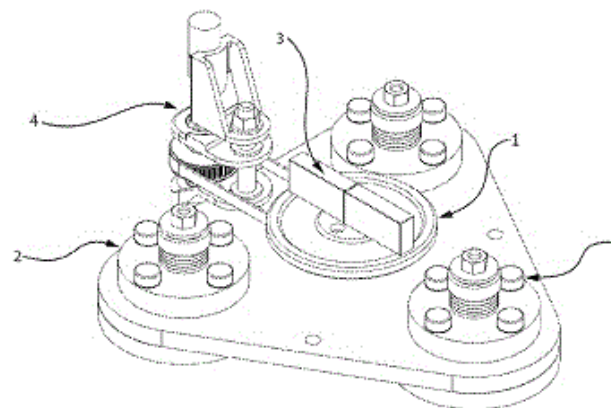
00: -  
 The present invention relates to a tablet and a method for preparing same, wherein atorvastatin granules are adjusted to have a particle size distribution of a predetermined value or more, thereby significantly improving tableting characteristics in the process of tableting with fimasartan, leading to excellent content uniformity, so that tablets can be economically and easily mass-produced.



21: 2021/04407. 22: 2021/06/25. 43: 2022/11/08  
 51: H02K  
 71: NEODYMOTORS GMBH  
 72: DE SOUSA PEREIRA, PAULO EDUARDO  
**54: POWER GENERATION SYSTEM**

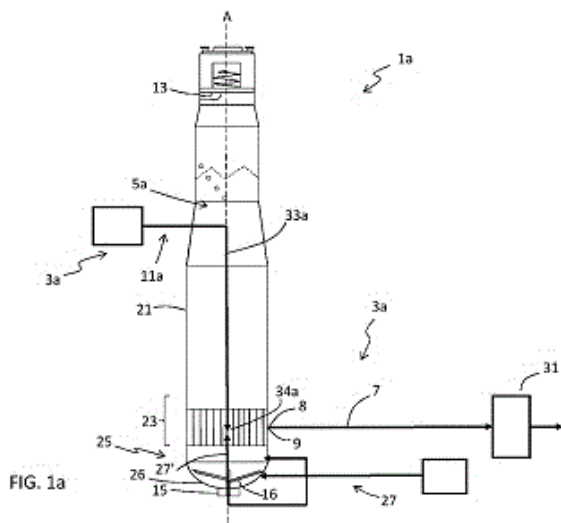
00: -  
 This application describes a power generation system. This application describes a power generation system which is mounted on at least one triangular shaped horizontal base on which is placed a cylindrical platform at the center, which is called a primary rotor, and a set of three cylindrical platforms,

which are called secondary rotors, which surround the first rotor. The primary rotor and secondary rotors comprise a specific set of neodymium magnets and are fixed on vertical axis bearings mounted on the said horizontal base.



21: 2021/04457. 22: 2021/06/28. 43: 2022/11/08  
 51: D21C  
 71: VALMET AB  
 72: LAMMI, LARI, HÄGGLUND, MAGNUS, LANDMAN, HUNPHREY  
 33: SE 31: 1950386-1 32: 2019-03-29  
**54: A METHOD AND ARRANGEMENT IN A CONTINUOUS PULP PRODUCTION PROCESS**

00: -  
 A method and a hydrolysate extracting arrangement in a continuous cooking process for producing pulp, said method comprising the steps of: (e)cooling a content in a prehydrolysis vessel (5a; 5b; 5c; 5d) of a continuous pulp production system such that the content has been cooled down when the content arrives at a hydrolysis outlet (9) of the prehydrolysis vessel (5a; 5b; 5c; 5d) on its way from an inlet (13) provided in one end of the prehydrolysis vessel to an outlet (15) provided in an opposite end of the prehydrolysis vessel; (f)removing a hydrolysate of said content through the hydrolysate outlet (9) of the prehydrolysis vessel, wherein said content in the prehydrolysis vessel is cooled to such a degree that the removed hydrolysate has a temperature between 70°C and 130°C.



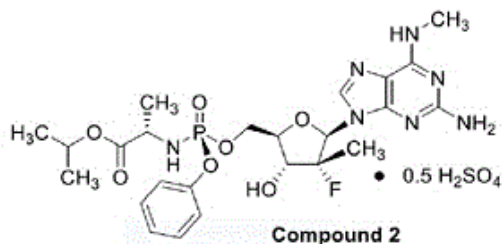
The present disclosure relates to a CD3 antibody and a pharmaceutical use thereof. Specifically, the present disclosure relates to forming a multi-specificity antibody by using a CD3 antibody and binding molecules of another target. The multi-specificity antibody may simultaneously bind to CD3 and another tumor-associated antigen, and bind and activate CD3-positive T cells while binding tumor-associated antigen-expressing cells, thereby promoting T cells specifically killing tumor cells that express tumor-associated antigens. In addition, the present disclosure also provides a preparation and application of a multi-specificity antibody.

21: 2021/04494. 22: 2021/06/29. 43: 2022/11/08  
51: C07F  
71: ATEA PHARMACEUTICALS, INC.  
72: MOUSSA, ADEL, SOMMADOSSI, JEAN-PIERRE

33: US 31: 62/469,912 32: 2017-03-10  
33: US 31: 62/575,248 32: 2017-10-20  
33: US 31: 62/453,437 32: 2017-02-01  
33: US 31: 62/488,366 32: 2017-04-21

**54: NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS**

00: -  
This invention is directed to a process for preparing a hemi-sulfate salt with the structure of Compound 2.



21: 2021/04518. 22: 2021/06/29. 43: 2022/11/08  
51: C07K; A61K; C12N; A61P  
71: JIANGSU HENGRUI MEDICINE CO., LTD., SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD.

72: YING, HUA, ZHANG, LING, YANG, XIAOYING, GE, HU, TAO, WEIKANG

33: CN 31: 201811491781.3 32: 2018-12-07

**54: CD3 ANTIBODY AND PHARMACEUTICAL USE THEREOF**

00: -

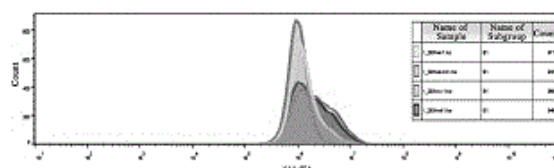
21: 2021/04520. 22: 2021/06/29. 43: 2022/11/08  
51: C12N; C07K; A61K; A61P

71: HUANG, HAIDONG, ZHOU, XIAOYI, CHEN, HANQIANG

72: HUANG, HAIDONG

**54: RECOMBINANT HUMAN 2IG-B7-H3 PROTEIN CODING GENE, RECOMBINANT VECTOR, HOST CELL COMPRISING THE SAME, PHARMACEUTICAL COMPOSITION AND USE THEREOF**

00: -  
The present disclosure relates to the field of genetic engineering, in particular to a recombinant human 2lg-B7-H3 protein encoding gene, a protein, a recombinant vector, and a pharmaceutical composition including the gene or protein. The regulatory expression, interaction and signal transmission of the protein encoded by the gene of the present disclosure play an extremely important role in the tumor immune response process, and especially provide a new and beneficial way for the prevention and treatment of cancer.



21: 2021/04521. 22: 2021/06/29. 43: 2022/11/08  
51: A61K; C07K

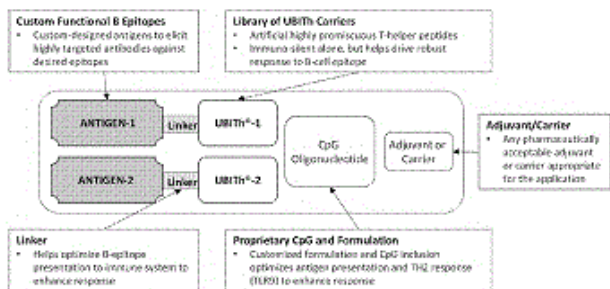
71: UNITED BIOMEDICAL, INC.

72: WANG, CHANG YI

33: US 31: 62/782,253 32: 2018-12-19

**54: ARTIFICIAL PROMISCUOUS T HELPER CELL EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC PEPTIDE IMMUNOGENS**

00: -  
 The present invention is directed to novel promiscuous and artificial T helper cell epitopes (Th epitopes) designed to provide optimum immunogenicity of a target antigenic site. The target antigenic site can include a B cell epitope, a CTL epitope, a peptide hapten, a non-peptide hapten, or any immunologically reactive analogue thereof. The disclosed Th epitopes, when covalently linked to a target antigenic site in a peptide immunogen construct, elicit a strong B cell antibody response or an effector T cell response to the target antigenic site. The Th epitopes are immunosilent on their own, i.e., little, if any, of the antibodies generated by the peptide immunogen constructs will be directed towards the Th epitope, thus allowing a very focused immune response directed to the targeted antigenic site. The promiscuous artificial Th epitopes provide effective and safe peptide immunogens that do not generate inflammatory, anti-self, cell-mediated immune responses following administration.

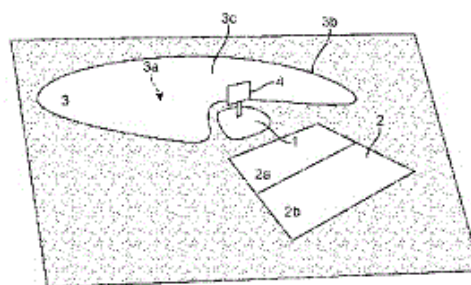


21: 2021/04523. 22: 2021/06/29. 43: 2022/11/08  
 51: E04H; E02B  
 71: CRYSTAL LAGOONS TECHNOLOGIES, INC.  
 72: FISCHMANN, FERNANDO BENJAMIN  
 33: US 31: 16/538,273 32: 2019-08-12  
 33: US 31: 62/785,086 32: 2018-12-26

**54: URBAN PERFORMANCE VENUE FOR THE PROVISION OF ENTERTAINMENT TO AN AUDIENCE IN A BEACH THEMED SETTING**

00: -  
 An urban performance venue having a waterfront setting for providing entertainment to an audience is disclosed. The venue includes a performances surface that includes a reference point located substantially in its center. A first spectator area is located closer to the performances surface, is

substantially covered with a sandy material, and has an elevation angle not higher than 10° with respect to the performances surface. A second spectator area is located farther from the performances surface, has an elevation angle of at least 30° and extends over at least a 90° reference angle view from the reference point. A man-made clear lagoon extends from a side of the performances surface away 10 from the spectator area, partially surrounds the performances area, and is arranged and configured to resemble a portion of a tropical sea. Wherein the line of sight from a spectator includes views of the performances surface and the lagoon.

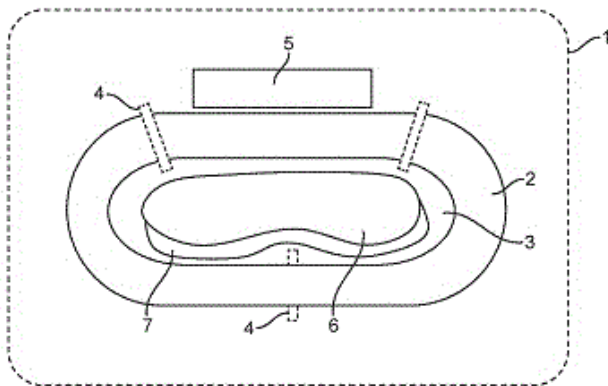


21: 2021/04525. 22: 2021/06/29. 43: 2022/11/08  
 51: A63K  
 71: CRYSTAL LAGOONS TECHNOLOGIES, INC.  
 72: FISCHMANN, FERNANDO BENJAMIN  
 33: US 31: 16/538,273 32: 2019-08-12  
 33: US 31: 62/785,086 32: 2018-12-26

**54: TRANSFORMATION AND CONSTRUCTION METHOD FOR CREATING A TROPICAL STYLE SWIMMING LAGOON AT THE INFIELD OF RACING AND/OR ACTIVITY CIRCUITS**

00: -  
 A venue transformation and construction method is disclosed that creates a tropical style swimming lagoon at an infield site of a race or activity circuit facility, the infield site being contained within a race or activity circuit perimeter. The transformation includes demolishing at least part of the infield site; excavating material from an area within the infield site; and forming a basin for a large water body having a surface area of at least 3,000 m2. Water containment walls are constructed on a first section and a sloped access area is formed on a second section of the basin for a beach. A barrier is included to control access to the beach. At least one additional recreational facility is constructed around the basin and a connection is provided that connects

the outfield of the race or activity circuit with the infield site to allow transit of vehicles and/or people.



21: 2021/04550. 22: 2021/06/30. 43: 2022/11/08  
51: G05G

71: GERNAERT, Manuel-René

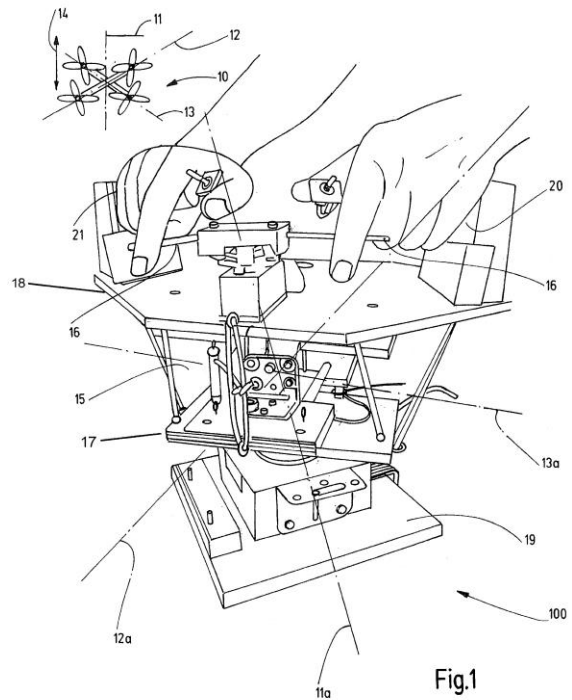
72: GERNAERT, Manuel-René

33: DE 31: 10 2019 100 056.4 32: 2019-01-03

**54: CONTROL DEVICE FOR CONTROLLING REAL OR VIRTUAL AIRBORNE OBJECTS**

00: -

In order to further improve a control device (100) for controlling unmanned and/or manned and/or virtual airborne objects (10) in such a way that the control is easier to use and can be learned intuitively and more quickly even by untrained individuals, the control device (100) has a first control element (15) for controlling a movement about a vertical axis (11), a longitudinal axis (12) and a transverse axis (13) of the airborne object (10), a rotary movement and/or pivoting movement of the first control element (15) about its vertical axis (11), its longitudinal axis (12) and its transverse axis (13) causing the airborne object (10) to move about its vertical axis (11), longitudinal axis (12) and transverse axis (13), and the control device (100) also has a second control element (16) for changing the flying altitude (14) and/or speed and/or thrust of the airborne object (10).



21: 2021/04566. 22: 2021/06/30. 43: 2022/11/08  
51: B25D; E21B

71: Sandvik Mining and Construction Oy

72: KOSKIMÄKI, Antti, HÄMÄLÄINEN, Mikko, VIINIKKA, Matti

33: EP(FI) 31: 19162773.6 32: 2019-03-14

**54: ROCK DRILLING ARRANGEMENT AND MACHINE**

00: -

A rock drilling arrangement (100), comprising an impact device (1) comprising a frame (2) pressure chambers (3a, 3b) in the frame (2), and a piston (4) arranged in the impact device (1). The arrangement further comprises a rear mounting arrangement (5) for attaching the impact device (1) to a carriage (6), a front mounting arrangement (7) for attaching the impact device (1) to a machine component (10), at least one fore pressure accumulator (8) arranged on front side of the rear mounting arrangement (5) in an axial direction (X) of the piston, and at least one rear pressure accumulator (9) arranged on back side of the rear mounting arrangement (5). The fore pressure accumulator (8) and the rear pressure accumulator (9) are connected to one of the pressure chambers (3a, 3b) and arranged to absorb pressure fluctuations in said pressure chambers (3a, 3b).

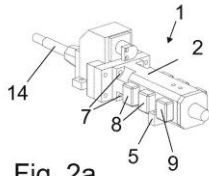


Fig. 2a

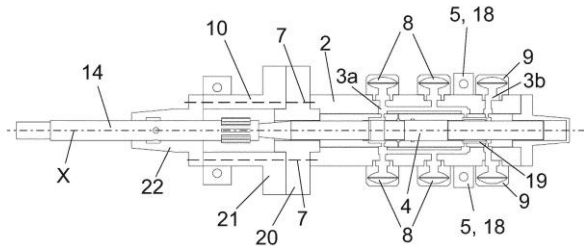
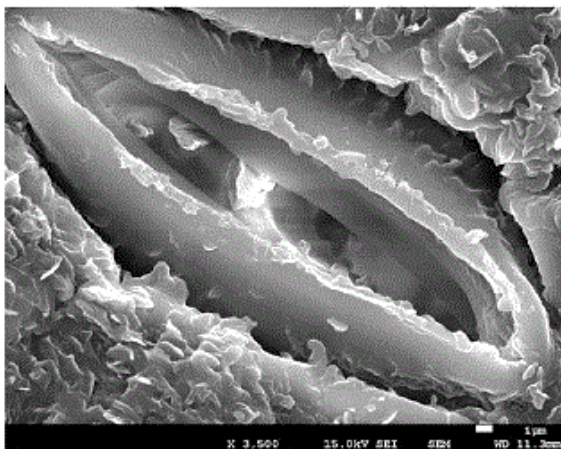


Fig. 2b

21: 2021/04575. 22: 2021/06/30. 43: 2022/11/08  
 51: A01N; C05B; A01P; C05D  
 71: S.A. REVERTÉ PRODUCTOS MINERALES  
 72: PRIETO GIGÓ, ARCADIO  
 33: EP 31: 19382016.4 32: 2019-01-11  
**54: PERMANENT ECO-FERTILIZER AGAINST  
 FRUIT PHYSIOLOGICAL DISORDERS AND  
 PESTS**

00: -  
 The present invention refers to a permanent solid calcium fertilizer suitable against fruit physiological disorders and pests, characterized in that it comprises more than 98.5% weight of calcium carbonate. It is also an object of the invention the use of this fertilizer for the protection of agricultural crops against pests and preferably for the protection of pear and/or apple crops.



21: 2021/04605. 22: 2021/07/01. 43: 2022/11/08

51: A61M  
 71: Paragon 28, Inc.  
 72: DALTON, Mark Ray, ALLARD, Randy  
 33: US 31: 62/779,092 32: 2018-12-13  
 33: US 31: 62/779,436 32: 2018-12-13  
**54: TRIAL INSERT ASSEMBLY**

00: -  
 A trial insert having a first member having an engagement channel extending from a bottom surface towards a top surface and along a first direction that extends from a first end to a second end. The trial insert has a second member having an engagement member extending away from a top surface and along a second direction that extends from a first end to a second end, where the engagement member is received within the engagement channel, and where the first member is translatable relative to the second member along a longitudinal axis of the trial insert.

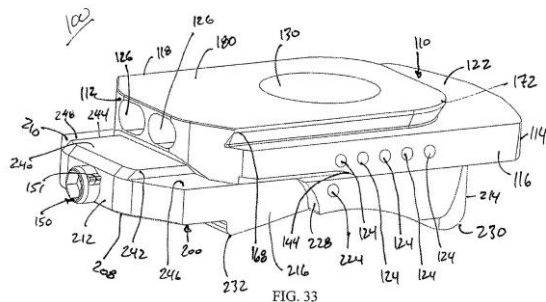
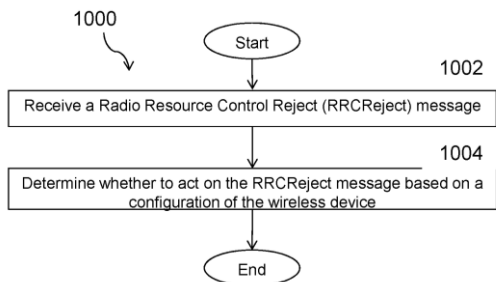


FIG. 33

21: 2021/04628. 22: 2021/07/02. 43: 2022/11/16  
 51: H04W  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: DA SILVA, Icaro L. J., MILDH, Gunnar, NAKARMI, Prajwol Kumar, STATIN, Magnus  
 33: US 31: 62/794,910 32: 2019-01-21  
**54: HANDLING RADIO RESOURCE CONTROL REJECTIONS**

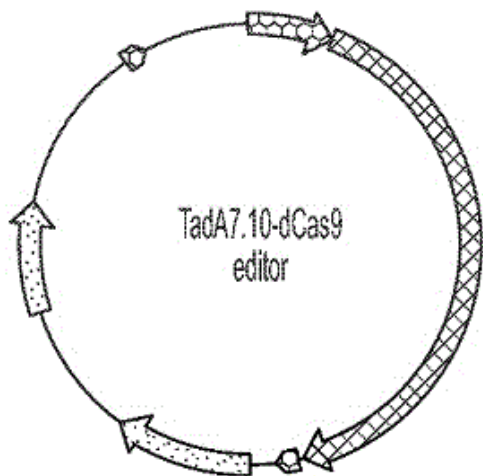
00: -  
 A method performed by a wireless device includes receiving a Radio Resources Control Reject (RRCReject) message and determining whether to act on the RRCReject message based on a configuration of the wireless device. The method may also include receiving a configuration message that includes the configuration from a network node.



21: 2021/04676. 22: 2021/07/05. 43: 2022/11/08  
 51: C12N  
 71: BEAM THERAPEUTICS INC.  
 72: SLAYMAKER, IAN, GAUDELLI, NICOLE, YU, YI, ZETSCHKE, BERND, BORN, DAVID A, LEE, SEUNG-JOO, PACKER, MICHAEL  
 33: US 31: 62/805,271 32: 2019-02-13  
 33: US 31: 62/805,277 32: 2019-02-13  
 33: US 31: 62/852,228 32: 2019-05-23  
 33: US 31: 62/931,747 32: 2019-11-06  
 33: US 31: 62/966,526 32: 2020-01-27  
 33: US 31: 62/852,224 32: 2019-05-23  
 33: US 31: 62/931,722 32: 2019-11-06  
 33: US 31: 62/941,569 32: 2019-11-27

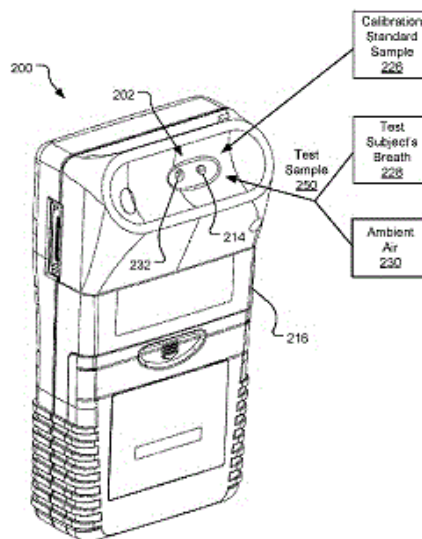
**54: COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES**

00: -  
 The present invention features compositions and methods for editing deleterious mutations associated with hemoglobinopathies, such as sickle cell disease (SCD). In particular embodiments, the invention provides methods for correcting mutations in a beta globin polynucleotide using modified adenosine base editors termed "ABE8" having unprecedented levels (e.g., >60-70%) of efficiency.



21: 2021/04677. 22: 2021/07/05. 43: 2022/11/08  
 51: G01N  
 71: LIFELOC TECHNOLOGIES, INC.  
 72: WILLKOMM, WAYNE ROBERT, LARY, MARK ANTHONY  
 33: US 31: 62/790,902 32: 2019-01-10  
**54: BREATH ALCOHOL CONTENT DEVICE SECURITY AND SENSING**

00: -  
 Electrochemical sensors commonly used in breath alcohol testing devices detect a concentration of alcohol in a sample of fluid. The sample of fluid is introduced into the electrochemical sensor and a current is generated by the oxidation of the alcohol within the fluid. The electrical output from the electrochemical sensor, plotted over time, forms an output curve, which may be used to estimate the concentration of alcohol in the fluid sample. The technology disclosed herein includes various methods for determining the quantity of an electrochemically convertible substance in a fluid sample using a breath alcohol content device, including detecting water saturation level of the fluid sample. The disclosed technology involves measuring electrochemical sensor outputs to quantify alcohol content of the fluid sample.



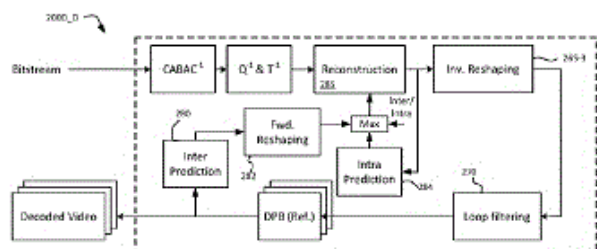
21: 2021/04693. 22: 2021/07/06. 43: 2022/11/08  
 51: H04N  
 71: DOLBY LABORATORIES LICENSING CORPORATION  
 72: YIN, PENG, PU, FANGJUN, LU, TAORAN, CHEN, TAO, HUSAK, WALTER J, MCCARTHY, SEAN THOMAS



33: US 31: 62/691,366 32: 2018-06-28  
 33: US 31: 62/726,608 32: 2018-09-04  
 33: US 31: 62/772,228 32: 2018-11-28  
 33: US 31: 62/792,122 32: 2019-01-14  
 33: US 31: 62/630,385 32: 2018-02-14  
 33: US 31: 62/739,402 32: 2018-10-01  
 33: US 31: 62/782,659 32: 2018-12-20

**54: IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION**

00: -  
 Given a sequence of images in a first codeword representation, methods, processes, and systems are presented for image reshaping using rate distortion optimization, wherein reshaping allows the images to be coded in a second codeword representation which allows more efficient compression than using the first codeword representation. Syntax methods for signaling reshaping parameters are also presented.



21: 2021/04708. 22: 2021/07/06. 43: 2022/11/08  
 51: B05B  
 71: DÜRR SYSTEMS AG  
 72: FRITZ, HANS-GEORG, WÖHR, BENJAMIN, LAVALLÉE, JEROME, BUBEK, MORITZ, BEYL, TIMO, HERRE, FRANK, SOTZNY, STEFFEN, TANDLER, DANIEL, BERNDT, TOBIAS, SOMMER, GEORG

33: DE 31: 10 2018 131 380.2 32: 2018-12-07  
**54: CLEANING DEVICE FOR AN APPLICATION DEVICE**

00: -  
 The invention relates to a cleaning device (4) for cleaning an application device (1), which, during operation, applies at least one coating agent stream (2) of a coating agent (paint, for example) to a component (vehicle body component, for example). According to the invention, a stream testing apparatus (6-10) is integrated in the cleaning device (4) in order to test the coating agent stream (2) discharged from the application device (1) such that

the cleaning device (4) forms a structural unit together with the stream testing apparatus (6-10).

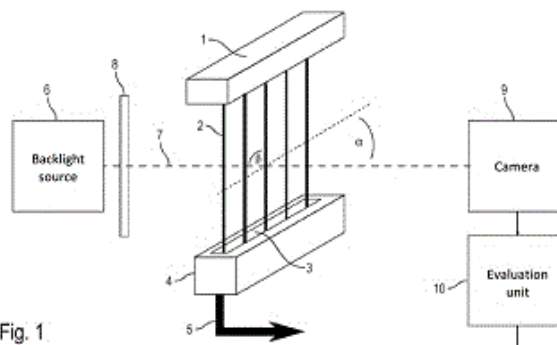
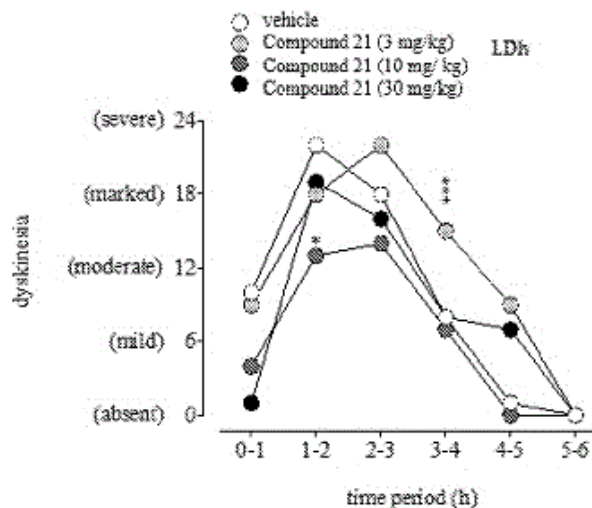


Fig. 1

21: 2021/04709. 22: 2021/07/06. 43: 2022/11/08  
 51: C07D  
 71: H. LUNDBECK A/S  
 72: BEALS, CHANNING RODNEY  
 33: US 31: 62/796,941 32: 2019-01-25

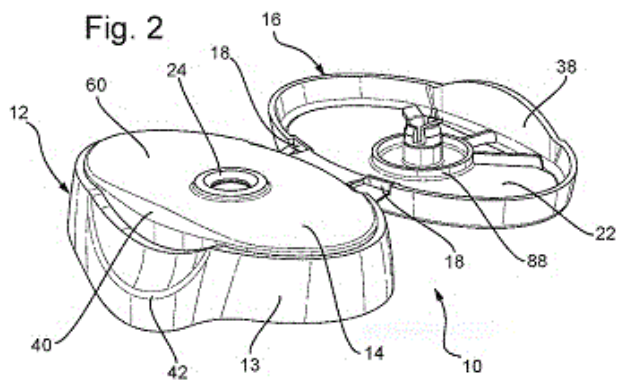
**54: METHODS OF TREATING DISEASE WITH MAGL INHIBITORS**

00: -  
 Provided herein are methods for the treatment of disease with monoacylglycerol lipase (MAGL) inhibitors.



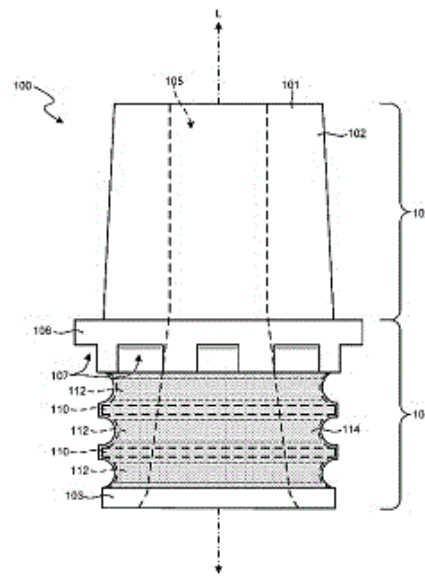
21: 2021/04710. 22: 2021/07/06. 43: 2022/11/08  
 51: B65D  
 71: UNILEVER GLOBAL IP LIMITED  
 72: LALIER, GREGORY  
 33: EP 31: 19155612.5 32: 2019-02-05  
**54: PLUG CLOSURE**  
 00: -

A closure (10), especially useful for e-commerce. The closure comprises a lid (16) and a cap base (12) which can be releasably fastened to a container, the cap base including an opening (24). The lid has a depending plug (26) extending therefrom which is received within the opening in the cap base when the lid is in the closed position. The opening is formed within a cylindrical opening wall (88). When the lid is in its open position, extending outwardly from the depending plug at its end distal from the lid are one or more barb flaps (82). As the lid is moved to its closed position with the depending plug within the cylindrical opening wall, the barbs are pushed up against the walls of the plug and are received within a recess in the cylindrical opening wall. Within the recess, the barb flaps abut an upper wall of the recess (40) such that extra force is required to open the lid, e.g., during shipping. When the consumer wishes to open the lid, he or she exerts the extra force needed to force the lid open, which causes the barb flaps to assume their original positions extending outwardly from the cylindrical plug.



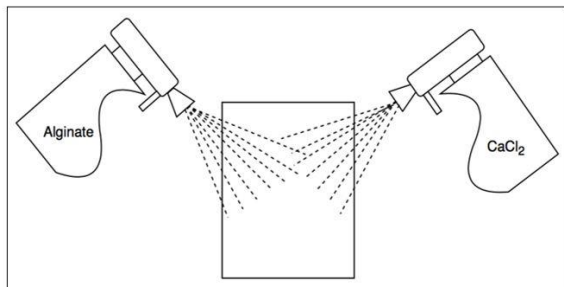
21: 2021/04711. 22: 2021/07/06. 43: 2022/11/08  
 51: H01M  
 71: WATER GREMLIN COMPANY  
 72: CHANDLER, CHRISTOPHE, DUBOIS, CARL, GIFFORD, KURT T  
 33: US 31: 62/776,977 32: 2018-12-07  
**54: BATTERY PARTS HAVING SOLVENTLESS ACID BARRIERS AND ASSOCIATED SYSTEMS AND METHODS**  
 00: -  
 Battery parts, such as battery terminals, and associated systems and methods for making the same are disclosed herein. In some embodiments, a battery part includes a body having a base portion

and a lug portion extending from the base portion. The battery part can further include a light-curable sealing material at least partially covering an exterior surface of the base portion. The sealing material is configured to seal an interface between the battery part and the material of a battery container when the base portion is embedded in the battery container material.



21: 2021/04719. 22: 2021/07/06. 43: 2022/11/08  
 51: A23K  
 71: UNIVERSITY OF CAPE TOWN  
 72: HUDDY, Robert John  
 33: GB 31: 1821194.6 32: 2018-12-24  
**54: A PROBIOTIC FEED COMPOSITION AND A PROCESS FOR MAKING THE COMPOSITION**  
 00: -

The invention provides a process for producing a feed composition formulated for aquaculture, wherein the feed composition comprises a probiotic as the principal food source. Cells of the probiotic, for example *Vibrio midae* SY9 cells, are added to an alginate solution. A gelling agent and the alginate solution are then applied separately but simultaneously to a support to form a gel coating or film encapsulating the probiotic cells. The feed composition is intended for feeding farmed aquatic animals, in particular marine animals which feed on algae. These include abalone and echinoderms such as sea urchins, sea cucumbers, starfish, brittle stars, sand dollars and crinoids.



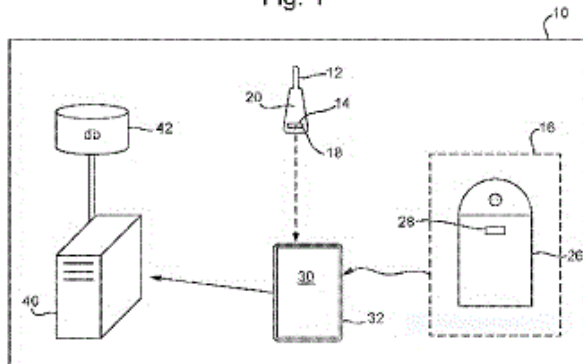
21: 2021/04743. 22: 2021/07/07. 43: 2022/11/08  
51: G06Q

71: CRYPTOCYCLE LIMITED  
72: MCGURK, ANTHONY, MIDWOOD, DUNCAN  
33: GB 31: 1821276.1 32: 2018-12-28

**54: RECYCLABLE CONTAINER VERIFICATION SYSTEM**

00: -  
A recyclable container verification method to be carried out by a processor, comprising the steps of: retrieving container identification information from a recyclable container, wherein the container identification information comprises information to uniquely identify a container; retrieving collection identification information which identifies a collection point for receiving recyclable containers; identifying whether a relative location of the container and the collection point is within a proximity threshold; accessing a database comprising container identification information for a plurality of containers and collection identification information for a plurality of collection points; comparing the retrieved container identification information and the retrieved collection identification information to entries contained within the database; and, if the retrieved container identification information and the retrieved collection identification information are entered in the database and if the relative location is within the threshold: outputting an entry into the database which associates the container with the collection point, such that a container is deemed recycled only when a notification is received in proximity of a suitable collection point.

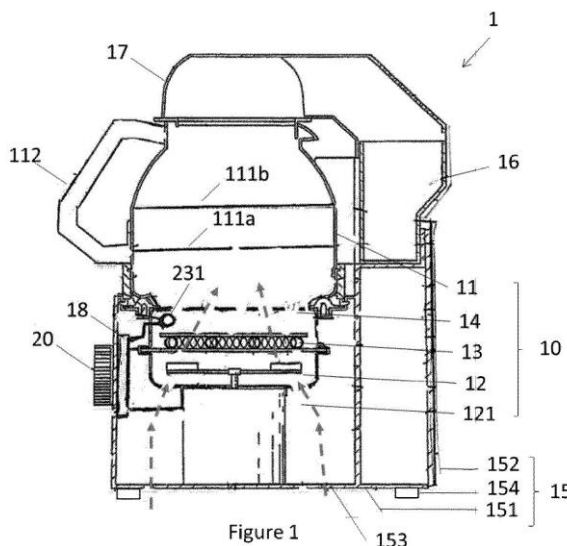
Fig. 1



21: 2021/04749. 22: 2021/07/07. 43: 2022/11/08  
51: A23F; A23N

71: Société des Produits Nestlé S.A.  
72: DUBIEF, Flavien, CECCAROLI, Stefano  
33: EP(CH) 31: 18212951.0 32: 2018-12-17  
**54: METHOD FOR ROASTING COFFEE BEANS**

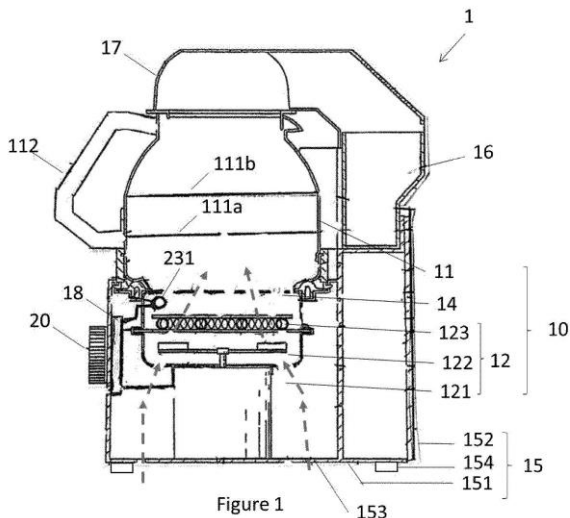
00: -  
The invention concerns an apparatus for roasting partially pre-roasted coffee beans comprising : - a vessel (1) to contain coffee beans, - an electrical heater (13) to heat coffee beans contained in the vessel, - at least one temperature sensor (23) to measure temperature in the vessel, - a control system (180) operable to control the heater, wherein the control system is configured to : - apply a roasting recipe dedicated to the roasting of partially pre-roasted beans comprising at least a temperature versus time profile, - measure the concentration of at least one volatile organic component (VOC) in the smoke produced in the vessel during the time the roasting recipe is applied, - detect an increase of the measured concentration in function of time, - stop heating if no increase of the measured concentration happens after a set reference time  $t_r$ .



21: 2021/04750. 22: 2021/07/07. 43: 2022/11/08  
51: A23F; A23N  
71: Société des Produits Nestlé S.A.  
72: DUBIEF, Flavien Florent, CECCAROLI, Stefano  
33: EP(CH) 31: 18212968.4 32: 2018-12-17

**54: METHOD FOR ROASTING COFFEE BEANS**

00: -  
 The invention concerns an apparatus for roasting coffee beans comprising : - a vessel (1) to contain coffee beans, - an electrical heating device (13) to heat coffee beans contained in the vessel, - at least one temperature sensor (23) to measure temperature in the vessel, - a control system (180) operable to control the heating device, wherein the control system is configured to : - apply a roasting recipe dedicated to the roasting of partially pre-roasted beans comprising at least a temperature versus time profile by controlling the electrical heating device based on the measure of the temperature sensor, - detect a decrease of the consumption of electrical power of the heating device in function of time, - stop heating if no decrease of the consumption of electrical power happens after a set reference time  $t_i$ . - continue or stop the electrical heating device depending on the type of identified beans.

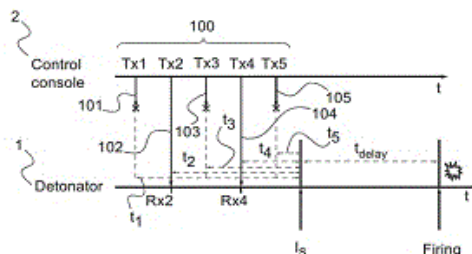


21: 2021/04787. 22: 2021/07/08. 43: 2022/11/08  
 51: A61K; A61Q  
 71: UNILEVER GLOBAL IP LIMITED  
 72: KADAMKODE, VINITHA, MITRA, RUPAK, POINTON, THOMAS RICHARD, STOTT, IAN PETER  
 33: EP 31: 19157769.1 32: 2019-02-18  
**54: PRESERVATIVE SYSTEMS AND COMPOSITIONS COMPRISING THEM**  
 00: -

The present invention relates to combination of actives that provides synergistic preservative action especially for use in personal care compositions. The preservative system comprises a combination of sodium benzoate and a second active selected from benzhydroxamic acid or tricarballic acid.

21: 2021/04815. 22: 2021/07/09. 43: 2022/11/08  
 51: F42D  
 71: COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES, DAVEY BICKFORD  
 72: BIARD, LIONEL  
 33: FR 31: 1873012 32: 2018-12-17  
**54: FIRING METHOD FOR A SET OF ELECTRONIC DETONATORS**

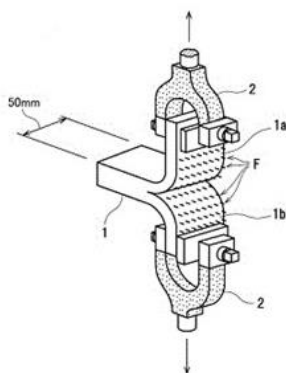
00: -  
 A method for igniting an assembly of electronic detonators (1) comprises: - receipt, by a receiving device (30) associated with one or more electronic detonators (1), of an ignition command from a transmitted sequence of ignition commands (100) comprising at least two ignition commands, a synchronisation delay ( $t_2, t_4$ ) being associated with each ignition command; - counting down, from the time of receipt of the ignition command, the synchronisation delay ( $t_2, t_4$ ) associated with the received ignition command; - counting down an ignition delay ( $t_{delay}$ ) associated with each electronic detonator (1) from a synchronisation time ( $t_s$ ) corresponding to the time at which the countdown of the synchronisation delay ( $t_2, t_4$ ) is complete; and - igniting each electronic detonator (1) once the countdown of the ignition delay ( $t_{delay}$ ) is complete.



21: 2021/04816. 22: 2021/07/09. 43: 2022/11/08  
 51: D04H; B01D; F01N  
 71: MAFTEC CO.,LTD.  
 72: KIMURA, YUSUKE, MORITA, HIROKAZU, KAWAHARA, KAZUNORI  
 33: JP 31: 2019-144390 32: 2019-08-06  
 33: JP 31: 2020-092409 32: 2020-05-27

**54: INORGANIC FIBER FORMED BODY, MAT FOR EXHAUST GAS PURIFICATION DEVICE, AND EXHAUST GAS PURIFICATION DEVICE**

00: -  
 Provided are: an inorganic fiber formed body in which high surface pressure and excellent peeling strength are balanced; a mat for an exhaust gas purification device using the inorganic fiber formed body; and the exhaust gas purification device. An inorganic fiber formed body constituted from inorganic fibers, having needle indentations extended in the thickness direction, vertical strands comprising the inorganic fibers extended in the thickness direction being present in the needle indentations, wherein the inorganic fiber formed body is characterized in that the average volume of the vertical strands per needle indentation, measured using a specified peel test, is 1.0 mm<sup>3</sup> or more, or the average volume per vertical strand is 3.0 mm<sup>3</sup> or more.



21: 2021/04819. 22: 2021/07/09. 43: 2022/11/08  
 51: C11D  
 71: UNILEVER GLOBAL IP LIMITED  
 72: BORTOLAI, GISLENE SPLENDORE, LEOPOLDINO, SERGIO ROBERTO, OURA, ENIO MITSUKI, YAROVYOY, YURIY KONSTANTINOVICH, ALVES DE MATTOS, RODRIGO  
 33: EP 31: 19157894.7 32: 2019-02-19  
**54: HIGH WATER HARD BARS COMPRISING COMBINATION OF TYPE AND AMOUNT OF ELECTROLYTES**

00: -  
 The invention relates to a process to make high water bars with a high speed extrusion process by using specific types and amounts of electrolytes in combination. The bars are produced with no negatives generally associated with use of

electrolytes. Disclosed is an extruded soap bar composition wherein the bar comprises: a) 20 to 40% of water; b) 20 to 75% by wt. anhydrous soap; wherein C<sub>16</sub> to C<sub>24</sub> saturated soap comprises 12% to 45% by wt. of total bar. c) structurants comprises at least from 0.05 to 35% by wt., wherein the specific level of structurants is defined by the level of C<sub>16</sub> to C<sub>24</sub> saturated soap of (b) such that the total level of said C<sub>16</sub> to C<sub>24</sub> saturated soap and structurants are greater than 25%, and wherein said structurants are selected from the group consisting of starch, carboxymethylcellulose, inorganic particulates, acrylate polymers and mixtures thereof; d) electrolyte which is a combination of alkali metal chloride; and a secondary electrolytes selected from the group consisting of alkali metal citrate and alkali metal sulfate; and wherein the concentration of alkali metal chloride ([alkali metal chloride]); and of alkali metal citrate ([alkali metal citrate]), alkali metal sulfate ([alkali metal sulfate]) defined by level of water we use as follows: i. [alkali metal chloride] % = 0.075 x [water] – 0.626; and ii. [alkali metal citrate] % = - 0.0023 x [water]<sup>2</sup> + 0.312x[water] – 4.34; iii. [alkali metal sulfate] % = - 0.0023 x [water]<sup>2</sup> + 0.312x[water] – 4.34; or iv. [alkali metal citrate and alkali metal sulfate] = - 0.0023 x [water]<sup>2</sup> + 0.312x[water] – 4.34, wherein the calculated amount of the concentration of the electrolyte is plus or minus 15%.

21: 2021/04866. 22: 2021/07/12. 43: 2022/11/08  
 51: B24D  
 71: August Rüggeberg GmbH & Co. KG  
 72: GEHRMANN, Stefan, HENN, Frank, SCHMITZ, Achim, SCHUMACHER, Fabian  
**54: GRINDING DISC AND USE OF SUCH A GRINDING DISC**

00: -  
 The invention relates to a grinding disc (1) comprising a grinding layer (2) which is made of grinding grains (4) bonded together by a binder (3). Reinforcing fabrics (6, 8) are embedded into the grinding layer (2) at outer faces (5, 7) of the grinding layer (2). At least one additional fabric (Wi to W4) is arranged on at least one of the reinforcing fabrics (6, 8), each additional fabric having a respective diameter which is less than the diameter of the reinforcing fabric (6, 8). The at least one additional fabric (Wi to W4) stiffens the grinding disc (1) in a region about a central opening (9) and improves the properties of the grinding disc (1) during rough-machining and/or separation processes.

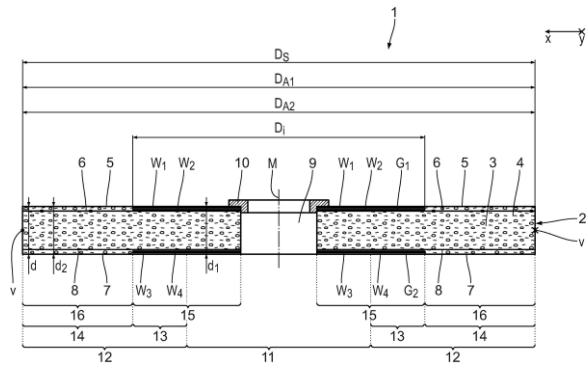
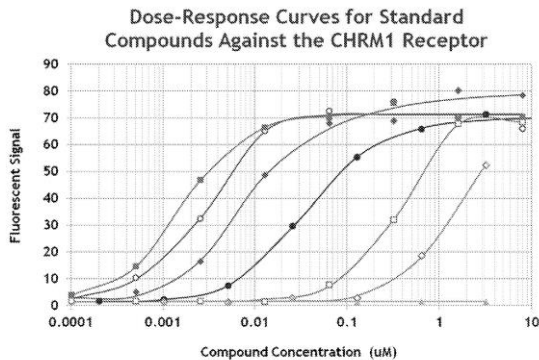


Fig. 1

21: 2021/04870. 22: 2021/07/12. 43: 2022/11/08  
 51: A61K; C07K  
 71: Omeros Corporation  
 72: CICIRELLI, Michael, CUTSHALL, Neil S., DEMOPULOS, Gregory A., GAITANARIS, George A., GAVIN, Marc A., GRAGEROV, Alexander, LITTLE, Thomas L., ONRUST, Rene  
 33: US 31: 62/791,591 32: 2019-01-11  
**54: METHODS AND COMPOSITIONS FOR TREATING CANCER**

00: -  
 This disclosure is directed to compounds, compositions, and methods for the treatment of various diseases and/or conditions related to G protein-coupled receptor 174 (e.g., cancers).

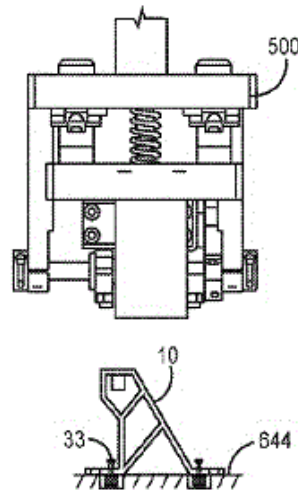


Compound	Reported Potency (uM)
◆ Propantheline	0.2
○ Atropine	0.5
■ Scopolamine	1.0
● Pirenzepine	5.0
□ HHSID	16.0
◇ Himbacine	60 - 120
▲ Vehicle	

21: 2021/04888. 22: 2021/07/12. 43: 2022/11/16

51: A47B  
 71: ASHLEY FURNITURE INDUSTRIES, LLC  
 72: SCOW, BRUCE, KRAMER, ERIC  
 33: US 31: 62/804,039 32: 2019-02-11  
**54: FURNITURE PIECE WITH PLASTIC SPACERS FOR DRAWER SLIDES**

00: -  
 A molded plastic spacer for securing a drawer slide to a cabinet panel. The plastic spacer may have one or more lugs extending orthogonally from a cabinet panel contact face and configured to interface with corresponding recesses in the cabinet panel. The one or more lugs may further include a tapered central bore capable of receiving a pin. Driving the pin through the bore causes the lug to expand such that a ribbed exterior surface of the lug engages with the cabinet panel and secures the plastic spacer in place. Each of the one or more lugs having space above the respective pin for robotically driving the pin.



21: 2021/04889. 22: 2021/07/12. 43: 2022/11/08  
 51: B01D; C10M  
 71: SKF RECONDOIL AB  
 72: PERSSON, THOMAS, ÖSTBERG, TOMAS, SUNDSTRÖM, FRED  
 33: SE 31: 1950146-9 32: 2019-02-08  
**54: PURIFICATION OF OIL**

00: -  
 A method and a system for purification of contaminated oil, said method comprising the steps of: -providing contaminated oil and a liquid separation aid to a mixing tank(3); -mixing said separation aid and contaminated oil into a mixture; and -filtering said mixture.

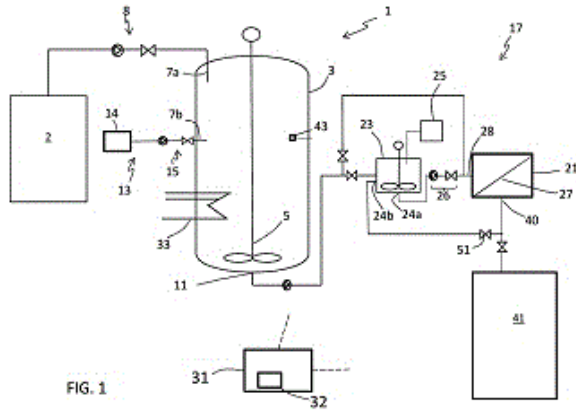


FIG. 1

21: 2021/04890. 22: 2021/07/12. 43: 2022/11/08  
51: B01D; C10M

71: SKF RECONDOIL AB  
72: SUNDSTRÖM, FRED, ÖSTBERG, TOMAS,  
PERSSON, THOMAS

33: SE 31: 1950147-7 32: 2019-02-08

**54: A METHOD AND SYSTEM FOR CIRCULAR USE OF INDUSTRIAL OIL**

00: -

A method for circular use of industrial oil and an oil recovery system, said method comprising reconditioning of a used industrial oil, said reconditioning comprising the steps of: - adding a liquid separation booster to a used industrial oil, wherein said separation booster is designed to attract impurities in the used oil and to be passive onto, i.e. not attracting, at least one specific additive in the oil; - separating out the separation booster with attracted impurities from the used industrial oil while leaving the at least one specific additive in the oil.

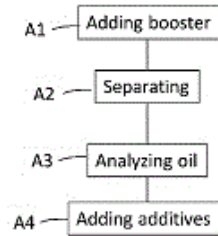


FIG. 1a

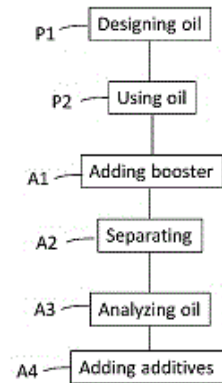


FIG. 1b

21: 2021/04921. 22: 2021/07/13. 43: 2022/11/08  
51: C08B; C08L; A61K

71: TEXOL S.R.L.

72: DI BERARDINO, FABIO

33: IT 31: 102019000000749 32: 2019-01-17

**54: METHOD FOR THE MANUFACTURING OF CHITIN DERIVATIVES THROUGH TREATMENT WITH ULTRASOUNDS**

00: -

The invention relates to a new process for the manufacturing of chitin derivatives, in particular of nanofibrillary chitin, sustainable from the industrial implementation point of view and suitable to produce chitin derivatives having improved properties. The invention further relates to chitin derivatives obtainable with such method. The invention further relates to the uses of such derivatives which comprise for example the formulation of pastes and aqueous gels useful for the topic applications on skin, the manufacturing of materials of biomedical interest, as well as the deposition of chitin nanofibrils on coating surfaces or the incorporation of the same inside articles such as, for example, hygiene sanitary products.

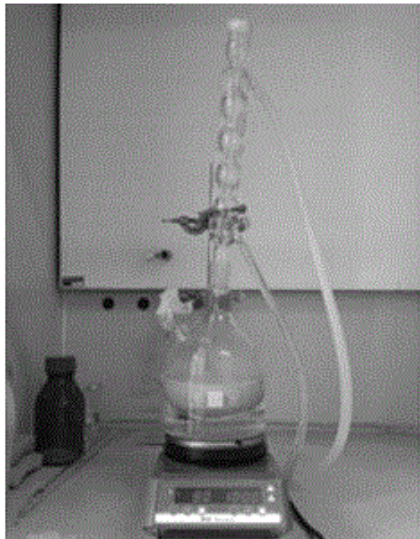


FIG. 1

blocking valve (60) for controlling application of pressurized fluid from the brake pedal valve (36) to the hydraulic actuator (58) of the brake valve (56), and a brake pressure control valve (62) for controlling application of pressurized fluid to the hydraulic actuator (58) of the brake valve (56).

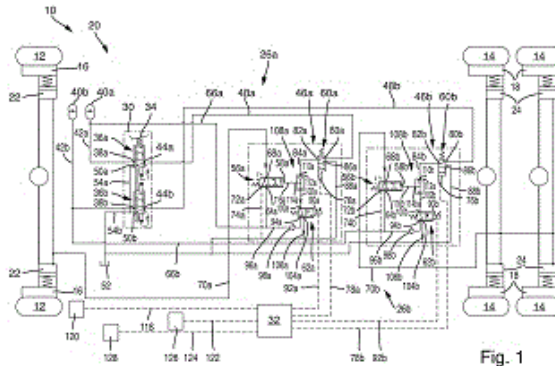


Fig. 1

21: 2021/04969. 22: 2021/07/15. 43: 2022/11/08  
 51: A61K; A61P  
 71: AFIMMUNE LIMITED  
 72: COUGHLAN, DAVID, CLIMAX, JOHN  
 33: US 31: 62/269,280 32: 2015-12-18  
**54: COMPOSITIONS COMPRISING 15-HEPE AND METHODS OF USING THE SAME**

00: -  
 The present invention relates to the compositions comprising 15-HEPE and methods of treatment relating to same.

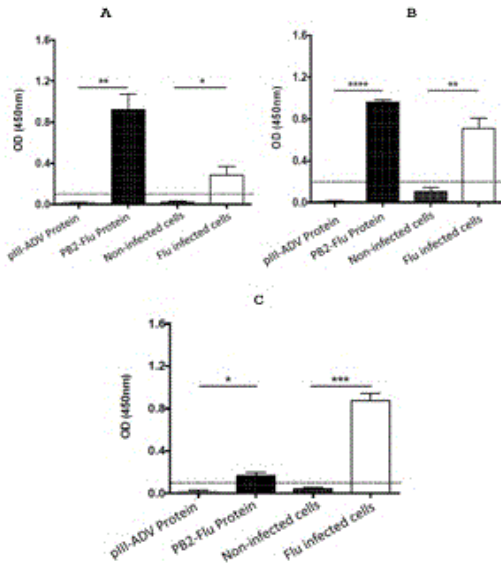
21: 2021/04973. 22: 2021/07/15. 43: 2022/11/08  
 51: B60T  
 71: CATERPILLAR S.A.R.L  
 72: JOHNSON, STEVEN E, ADEEB, ADAM  
 33: GB 31: 1900726.9 32: 2019-01-18  
**54: BRAKE SYSTEM FOR A VEHICLE**

00: -  
 The present invention pertains to a brake system (20) for a vehicle (10), in particular a wheeled vehicle, comprising a control unit (32) configured to operate the brake system (20) in an automatic retarding control mode and in a brake assist mode, a brake pedal valve (36), and at least one brake valve unit (46) for actuating a brake actuator (22, 24). The brake valve unit comprises a brake valve (56) for applying pressurized fluid to the brake actuator (22, 24) in response to a control pressure applied to a hydraulic actuator (58) of the brake valve (56), a

21: 2021/04989. 22: 2021/07/15. 43: 2022/11/08  
 51: C07K; G01N  
 71: PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE  
 72: KALERGIS PARRA, ALEXIS MIKES, BUENO RAMÍREZ, SUSAN MARCELA  
 33: CL 31: 3871-2018 32: 2018-12-28  
**54: MONOCLONAL ANTIBODIES SPECIFIC FOR THE PB2 ANTIGEN OF THE HUMAN INFLUENZA VIRUS (FLU), NUCLEOTIDE SEQUENCES, METHOD AND DIAGNOSTIC KIT FOR FLU INFECTION**

00: -  
 The invention relates to the generation of monoclonal antibodies, or fragments of same, which recognises the PB2 protein of the human influenza virus (flu), wherein the monoclonal antibodies or fragments of same comprise a variable domain of the heavy chain and a variable domain of the light chain. Also provided is a diagnostic method for detecting flu infections in biological samples of nasopharyngeal secretions, using the monoclonal antibodies in the format of a diagnostic kit.





21: 2021/04990. 22: 2021/07/15. 43: 2022/11/08  
 51: C07K; G01N  
 71: PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE

72: KALERGIS PARRA, ALEXIS MIKES, BUENO RAMÍREZ, SUSAN MARCELA

33: CL 31: 3869-2018 32: 2018-12-28

**54: MONOCLONAL ANTIBODY OR ANTIGEN BINDING FRAGMENT THEREOF THAT BINDS TO THE L PROTEIN OF THE HUMAN PARAINFLUENZA VIRUS (PIV); METHOD AND KIT FOR DETECTING PIV**

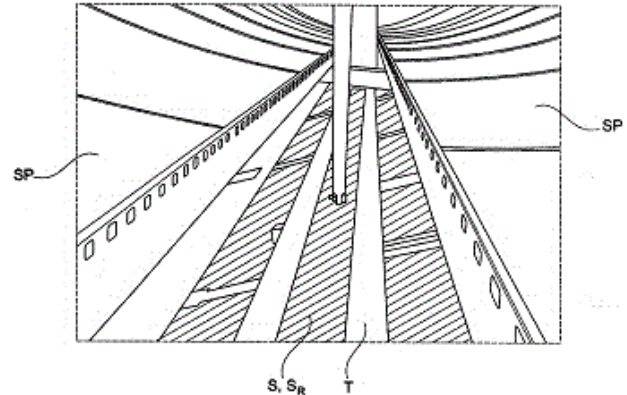
00: -  
 The invention presents the generation of monoclonal antibodies, or fragments thereof, which recognise the L protein of the Human Parainfluenza Virus (PIV), wherein said monoclonal antibodies or fragments thereof comprise a variable region of the heavy chain and a variable region of the light chain. A diagnosis method for infection by PIV in a biological sample is also provided, which uses the monoclonal antibodies in diagnostic kit format.

21: 2021/04991. 22: 2021/07/15. 43: 2022/11/08  
 51: F24S  
 71: CAMBRAS GMBH  
 72: KIRSCHT, LUKAS  
 33: EP 31: 19151496.7 32: 2019-01-11  
 33: EP 31: 19179193.8 32: 2019-06-07

**54: SENSOR ARRANGEMENT AND OPTIMIZED TRACKING FOR CSP SYSTEMS**

00: -  
 Sensor arrangement (1) for tracking a solar collector assembly, the sensor arrangement (1) comprising a

housing (2); said housing (2) comprising an inclination sensor and a camera (13); said sensor arrangement (1) comprising a shadow receiver (6); said shadow receiver (6) being arranged and adapted to receive the full shadow of a solar system's receiver tube (R); wherein the camera (13) and the shadow receiver (6) are arranged such that the camera (13) may sense the full width of the receiver tube's shadow on the shadow receiver (6).



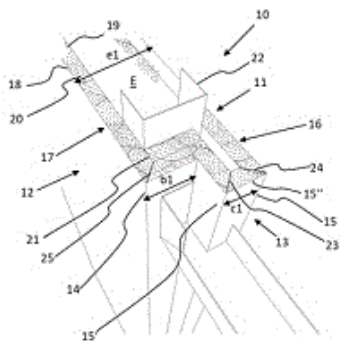
21: 2021/04992. 22: 2021/07/15. 43: 2022/11/08  
 51: E06B; A47B  
 71: IMAFORM

72: BAIZEAU, PHILIPPE, BROUILLET, BERNARD, RUTHER, CHARLES

33: FR 31: 19 00267 32: 2019-01-11

**54: TRIM STRUCTURE FOR A DOOR**

00: -  
 The present invention relates to a trim structure (10) intended on one hand to receive a door, in particular an internal door, and on the other hand to be joined to a partition, which structure comprises: - two lateral walls (11, 12) facing one another and spaced apart by a thickness (e1), said thickness being adjusted with respect to the thickness (e2) of the partition such that said lateral walls form an external surface that is flush with the external surface of the partition when the structure is joined to the partition; - a transverse end wall (13) connecting the two lateral walls; - said transverse end wall (13) comprising a planar surface (14) that is configured to butt up against the thickness of a vertical edge face of the door and a projecting element (15) forming a bearing surface for the door; - said walls being formed from at least one composite panel, said panel comprising a central layer (20) sandwiched between two facing layers (18, 19).



21: 2021/04993. 22: 2021/07/15. 43: 2022/11/08  
51: C07D; A61K; C07F  
71: GUERBET

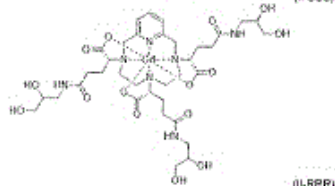
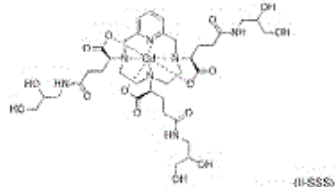
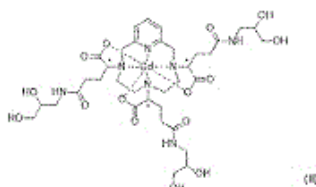
72: LE GRENEUR, SOIZIC, CHÉNÉDÉ, ALAIN,  
CERF, MARTINE, DECROU, STÉPHANE,  
FRANÇOIS, BRUNO

33: FR 31: 1900433 32: 2019-01-17

**54: COMPLEX OF GADOLINIUM AND A  
CHELATING LIGAND DERIVED OF A  
DIASTEREOISOMERICALLY ENRICHED PCTA  
AND SYNTHESIS METHOD**

00: -

The present invention relates to a complex having formula (II), consisting of at least 80% of a diastereoisomeric excess comprising a mixture of isomers II-RR and II-SSS having the formulae: The present invention also relates to a method for preparing said complex having formula (II) and to two synthetic intermediates.



21: 2021/05029. 22: 2021/07/16. 43: 2022/11/08  
51: B05B

71: DÜRR SYSTEMS AG

72: BUCK, THOMAS, PREUSS, KEVIN, BAUMANN,  
MICHAEL, HERRE, FRANK, SEIZ, BERNHARD,  
NOLTE, HANS-JÜRGEN, LUZ, DANIEL

33: DE 31: 10 2019 107 847.4 32: 2019-03-27

**54: BELL PLATE, ATOMIZER-TYPE CLEANING  
DEVICE, AND ASSOCIATED OPERATING  
METHOD**

00: -

The invention relates to a bell plate (1) for a rotary atomizer for applying a coating medium (for example lacquer) to a component (for example motor vehicle body component). The bell plate (1) according to the invention comprises a metallic main body (3) and a transponder (13), which can be read out wirelessly and which is integrated into the bell plate (1). The invention provides that the transponder (13) is arranged at a face side in the main body (3) or is recessed in the outer lateral surface (12) of the bell plate (1), which facilitates the read-out of the transponder (13). Furthermore, the invention comprises a correspondingly adapted atomizer-type cleaning device with an antenna for the read-out of the transponder (13) in the bell plate (1). Finally, the invention also comprises a correspondingly adapted operating method.

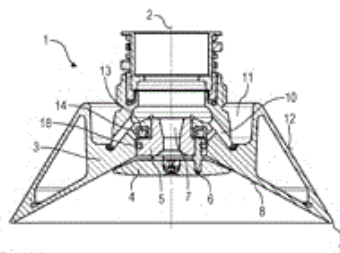


Fig. 1A

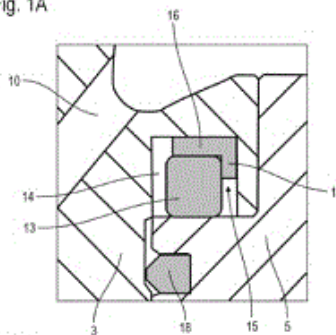


Fig. 1B

21: 2021/05030. 22: 2021/07/16. 43: 2022/11/29  
51: C11D

71: UNILEVER GLOBAL IP LIMITED  
 72: AGARKHED, AJIT MANOHAR, CHANDAR,  
 PREM, WALSH, CONNOR, KUMAR, NITISH,  
 SHAFER, GEORGIA L, WU, GUOHUI  
 33: EP 31: 19160274.7 32: 2019-03-01

**54: A SOAP BAR WITH IMPROVED PERFUME  
 IMPACT AND DEPOSITION OF ACTIVES**

00: -  
 The present invention relates to an extruded bar soap composition. It more particularly relates to a soap bar composition which exhibits better bloom (perfume impact) and better deposition of actives as compared to conventional soap bars. This is obtained by ensuring that the amount of oleate soap is kept low while incorporating some amount of ricinoleate soap.

21: 2021/05031. 22: 2021/07/16. 43: 2022/11/08  
 51: H04N  
 71: INTERDIGITAL VC HOLDINGS, INC.  
 72: LELEANNEC, FABRICE, ROBERT, ANTOINE,  
 CHEN, YA  
 33: EP 31: 19305292.5 32: 2019-03-12  
 33: EP 31: 19305645.4 32: 2019-05-21  
 33: EP 31: 19305649.6 32: 2019-05-23

**54: FLEXIBLE ALLOCATION OF REGULAR BINS  
 IN RESIDUAL CODING FOR VIDEO CODING**

00: -  
 In at least one embodiment, a method and apparatus for encoding/decoding a video is based on a CABAC coding of bins where a high-level constraint on the maximum usage of regular CABAC coding of bins is enforced. In other words, a budget of regular coded bins is allocated over a picture area that is larger than a coding group, thus covering a plurality of coding groups, and which is determined from an average allowed number of regular bins per unit of area.

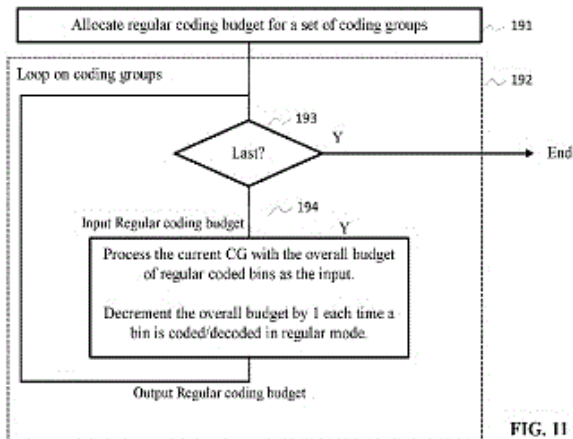


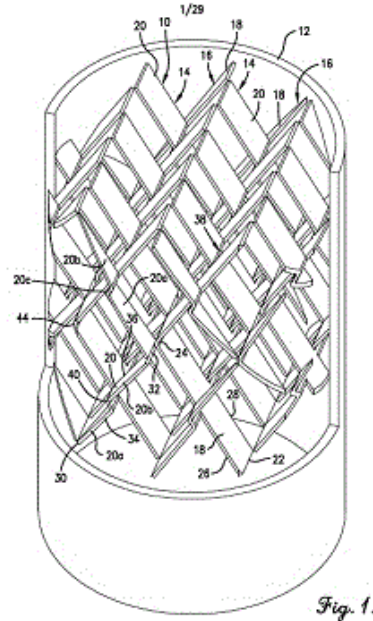
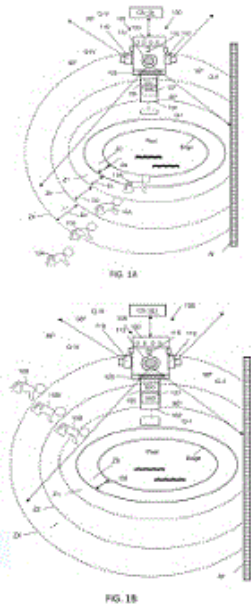
FIG. 11

21: 2021/05032. 22: 2021/07/16. 43: 2022/11/08  
 51: G08B

71: POOL KNIGHT, LLC  
 72: GALI, RAMY R, MATAR, PHILLIP E, MAY,  
 DAVID C  
 33: US 31: 16/774,933 32: 2020-01-28  
 33: US 31: 62/798,017 32: 2019-01-29

**54: SMART SURVEILLANCE SYSTEM FOR  
 SWIMMING POOLS**

00: -  
 A swimming pool monitoring system using a plurality of sensor systems to detect the presence of objects within a defined perimeter of the swimming pool prior to the objects reaching the edge of the pool. The objects may be people or animals. The sensor systems may include a ranging sensor, an audio sensor, an olfactory sensor and a video imaging sensor. The sensors are monitored by a computer system that has stored data for objects authorized to be within the pool perimeter. The system provides an alert or alarm upon detection of an unauthorized or unknown object in the monitored perimeter by comparing detected objects to the stored data. The system can determine the distance of the object from the pool edge and provide an adjustable alarm as the objects nears the pool edge. The system uses facial identification and voice identification to detect authorized objects and distinguish between unauthorized and unknown objects in order to establish a level of alert or alarm that can be communicated via loudspeaker, text message or email. The system can accept updated data from any sensor for adding additional authorized or unauthorized object identification data to a system database.

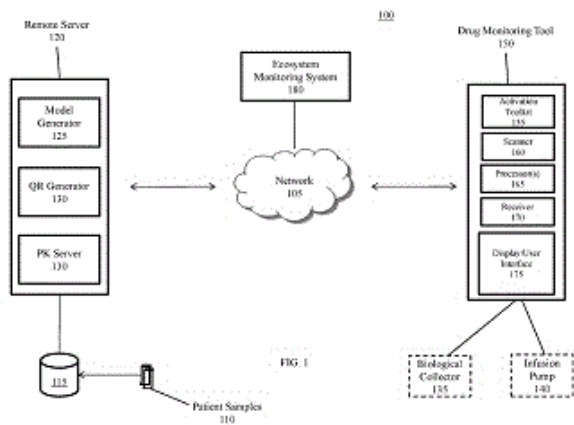


21: 2021/05034. 22: 2021/07/16. 43: 2022/11/08  
 51: B01F; B01J  
 71: KOCH-GLITSCH, LP  
 72: NIEUWOUDT, IZAK, ESCOBAR, SERGIO  
 33: US 31: 16/281,351 32: 2019-02-21  
 33: US 31: 16/712,995 32: 2019-12-13  
 33: US 31: 16/744,174 32: 2020-01-15  
**54: COUNTERCURRENT CONTACTING DEVICES**  
 00: -

The contacting device 10 for countercurrent contacting of fluid streams and having a first pair of intersecting grids 14 of spaced- apart and parallel deflector blades 20 and a second pair of intersecting grids 16 of spaced-apart and parallel deflector blades. The deflector blades in each one of the grids are interleaved with the deflector blades in the paired intersecting grid and may have uncut side portions that join them together along a transverse strip 38 where the deflector blades cross each other or adjacent opposed ends of the deflector blades and cut side portions that extend from the uncut side portions to the ends of the deflector blades. At least some of the deflector blades have directional tabs and associated openings to allow portions of the fluid streams to pass through the deflector blades to facilitate mixing of the fluid streams.

21: 2021/05060. 22: 2021/07/19. 43: 2022/11/08  
 51: G06F; A61K; G06N; C07K; C12N  
 71: TAKEDA PHARMACEUTICAL COMPANY LIMITED  
 72: NELSON, MICHAEL, PICHLER, ROMAN, SPOTTS, GERALD  
 33: US 31: 62/451,391 32: 2017-01-27  
**54: A DRUG MONITORING TOOL**  
 00: -

A drug monitoring tool comprising a data receiver and an interactive user interface. The data receiver is configured to receive a pharmacokinetic (PK) profile of a patient based on a Bayesian model of PK profiles of sampled patients. The interactive user interface comprises a graphical control element configured to receive patient input corresponding to a request for a time-varying therapeutic plasma protein level at a particular time. The interactive user interface is configured to display to the patient a graphical representation of the time-varying therapeutic plasma protein level of the patient based on an administered dose of a clotting factor VIII and the PK profile of the patient. The tool may further comprise an activation toolkit which is configured to enable access to functionalities of the drug monitoring tool in response to at least of: receiving the PK profile the patient and/or receiving a log of a first prophylactic infusion.



21: 2021/05083. 22: 2021/07/19. 43: 2022/11/08

51: B01J

71: ENTX LIMITED

72: JONES, BRYN, KELLY, JULIAN F

33: AU 31: 2018904898 32: 2018-12-21

**54: METHODS AND PRODUCTS FOR CONVERTING CARBON DIOXIDE TO ONE OR MORE SMALL ORGANIC COMPOUNDS**

00: -

The present disclosure relates to methods, systems and products for converting carbon dioxide to one or more small organic compounds. In certain embodiments, the present disclosure provides a method of converting CO<sub>2</sub> and/or a related form thereof to one or more small organic compounds, the method comprising exposing the CO<sub>2</sub> and/or the related form thereof to a beta particle activated high band-gap semiconductor and thereby converting the CO<sub>2</sub> and/or the related form thereof to the one or more small organic compounds.



21: 2021/05104. 22: 2021/07/20. 43: 2022/11/08

51: C22B

71: UMICORE

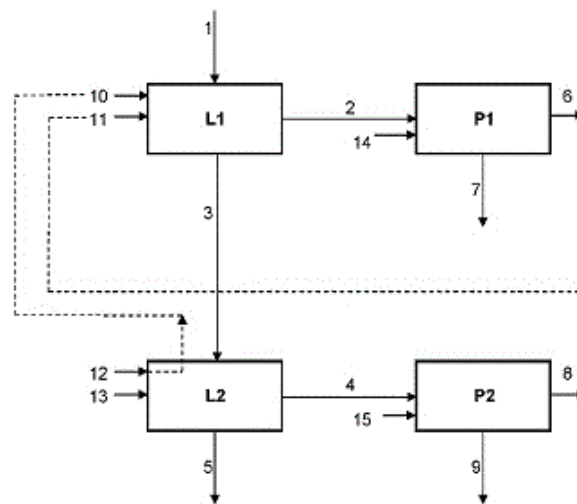
72: DANIELS, MICHEL, SCOYER, JEAN, BALTES, MICHAEL, NEVEN, MARGOT, LEYSSEN, JAN

33: EP 31: 18215028.4 32: 2018-12-21

**54: PROCESS FOR THE RECOVERY OF METALS FROM POLYMETALLIC NODULES**

00: -

The present disclosure concerns a process for the recovery of valuable metals from polymetallic nodules. A two-stage process using SO<sub>2</sub> in an acidic aqueous media is disclosed. In a first step, performed in mildly acidic conditions, Mn, Ni, and Co are dissolved; in a second, more acidic step, Cu is dissolved. Under these conditions, the leachate of the first step contains most of the Mn, Ni, and Co, while being nearly Cu-free. The Ni and Co are precipitated as sulfides; the Mn can be recovered as sulfate by crystallization. Cu, which is leached in the second step, is selectively precipitated, also as sulfide.



21: 2021/05106. 22: 2021/07/20. 43: 2022/11/08

51: H04N

71: LG ELECTRONICS INC.

72: HEO, JIN, YOO, SUNMI, LI, LING, CHOI, JANGWON, CHOI, JUNGHAH

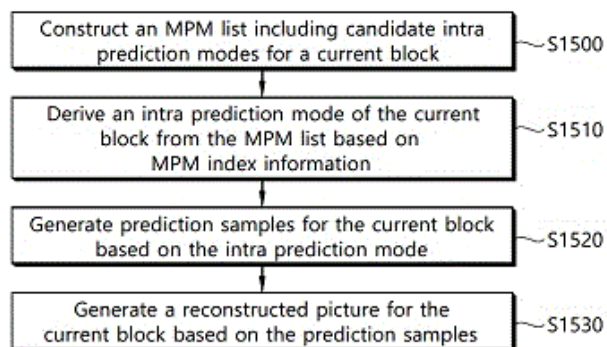
33: US 31: 62/791,877 32: 2019-01-13

**54: IMAGE CODING METHOD AND DEVICE FOR CARRYING OUT MRL-BASED INTRA PREDICTION**

00: -

An image decoding method, according to the present document, comprises the steps of: configuring a MPM list including candidate intra

prediction modes for a current block; deriving an intra prediction mode of the current block from the MPM list on the basis of MPM index information indicating an intra prediction mode, among the candidate intra prediction modes included in the MPM list, for the current block; generating prediction samples for the current block on the basis of the intra prediction mode; and generating a reconstructed picture for the current block on the basis of the prediction samples, wherein the step for configuring the MPM list comprises, on the basis of the case where the value of reference line index information, representing a reference line used for the intra prediction of the current block, is not zero, deriving a DC mode as one mode among the candidate intra prediction modes, and including same in the MPM list.



21: 2021/05108. 22: 2021/07/20. 43: 2022/11/08  
51: C11D

71: UNILEVER GLOBAL IP LIMITED  
72: AGARKHED, AJIT MANOHAR, CHANDAR, PREM, KUMAR, NITISH, WALSH, CONNOR PATRICK, WU, GUOHUI

33: EP 31: 19160273.9 32: 2019-03-01

**54: BAR COMPOSITIONS COMPRISING C10 SOAP WHILE MINIMIZING RATIO OF UNSATURATED C18 SOAP TO CAPRATE**

00: -

The invention relates to bar composition comprising minimum floor levels of C<sub>10</sub>soap while minimizing ratio of unsaturated C<sub>18</sub>soap to caprate. Such bars provide enhanced rapid, antibacterial activity.

Disclsoed is a soap bar composition comprising: a) 25 to 85%, preferably 35 to 75% by weight of C<sub>8</sub>to C<sub>24</sub>fatty acid soap comprising: (i) C<sub>10</sub> soap at 8% or 15% or greater, more preferably 16 to 32% by weight of total bar composition; and, (ii) unsaturated

C<sub>18</sub>soap, wherein weight ratio of said unsaturated C<sub>18</sub>soap to C<sub>10</sub>(caprate) soap is 1.2 to 0.1. b) 1 to 45 % organic and inorganic adjuvant materials by weight of the composition; and, c) 5 to 30%, preferably 13 to 28% water by weight of the composition, wherein excess of C<sub>10</sub>soap to unsaturated C<sub>18</sub>soap is at least 6%.

21: 2021/05140. 22: 2021/07/21. 43: 2022/11/08

51: B62D; F16J

71: CATERPILLAR INC.

72: WEISBRUCH, ERIC BERNARD

33: US 31: 16/254,769 32: 2019-01-23

**54: SEALING SYSTEM FOR A TRACK**

00: -

A track hinge joint (200) includes a first track link (202), a second track link (226), a track pin (252) disposed in a bore (222) of the first track link (202), an inner bushing (254) that is disposed in a bore (242) of the second track link (226) and that is rotatable relative to the track pin (252), an outer bushing (256) that is disposed about the inner bushing (254) that is rotatable relative to the inner bushing (254) and that includes an outer bushing end face (258), and a first fluid seal assembly (260) contacting the outer bushing end face (258) and the second track link (226).

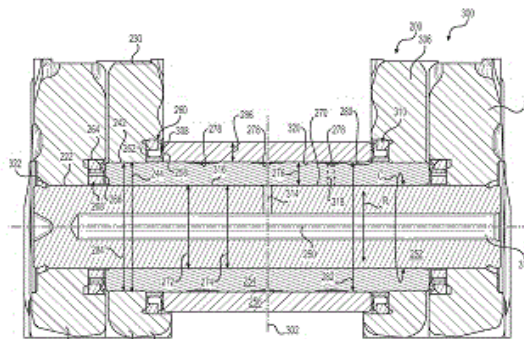


FIG. 3

21: 2021/05150. 22: 2021/07/21. 43: 2022/11/08

51: A61K; A61P; C07K; C12N; G01N

71: ASTELLAS PHARMA INC.

72: AKAIWA, MICHINORI, ISHIDA, JUNYA, TOYA, HIROKI, SHIRAISHI, NOBUYUKI, ASANO, TORU, YOSHIKAWA, TOMOAKI, SANO, YORIKATA, DOIHARA, HITOSHI, SHIRAI, HIROKI, HIRAYAMA, KAZUNORI

33: JP 31: 2019-206560 32: 2019-11-14

33: JP 31: 2019-000530 32: 2019-01-07

**54: CONJUGATE COMPRISING LIGAND AND CEACAM5 ANTIBODY FAB FRAGMENT**

00: -  
 Provided is a conjugate comprising a ligand, a spacer, and a peptide linker useful for an in-vivo diagnostic drug and internal radiation therapy, using an anti-human CEACAM5 antibody Fab fragment whose binding activity is not attenuated even by labeling with a metal, a fluorescent dye, or the like. A conjugate comprising an anti-human CEACAM5 antibody Fab fragment and a ligand, the fragment comprising a heavy chain fragment including a heavy chain variable region consisting of a specific amino acid sequence and a light chain including a light chain variable region consisting of a specific amino acid sequence, or a conjugate comprising a ligand, a spacer, and a peptide linker, wherein the binding activity thereof is not attenuated even by labeling with a metal, a fluorescent dye, or the like, can be used as a diagnostic composition and/or a pharmaceutical composition.

21: 2021/05151. 22: 2021/07/21. 43: 2022/11/08  
 51: A61K; A61P; C07K; C12N; G01N  
 71: ASTELLAS PHARMA INC.  
 72: AKAIWA, MICHINORI, ISHIDA, JUNYA, TOYA, HIROKI, ASANO, TORU, YOSHIKAWA, TOMOAKI, SANO, YORIKATA, SUGANO, YUKIHITO  
 33: JP 31: 2019-000530 32: 2019-01-07  
 33: JP 31: 2019-206560 32: 2019-11-14  
**54: CONJUGATE COMPRISING LIGAND, SPACER, PEPTIDE LINKER, AND BIOMOLECULE**

00: -  
 Provided is a conjugate comprising a ligand, a spacer, and a peptide linker useful for an in-vivo diagnostic drug and internal radiation therapy, using an anti-human MUC1 antibody Fab fragment whose binding activity is not attenuated even by labeling with a metal, a fluorescent dye, or the like. A conjugate comprising 3arm DOTA, a specific spacer, a specific peptide linker, and a biomolecule including an anti-human MUC1 antibody Fab fragment, wherein the binding activity thereof is not attenuated even by labeling with a metal, a fluorescent dye, or the like, can be used as a diagnostic composition and/or a pharmaceutical composition.

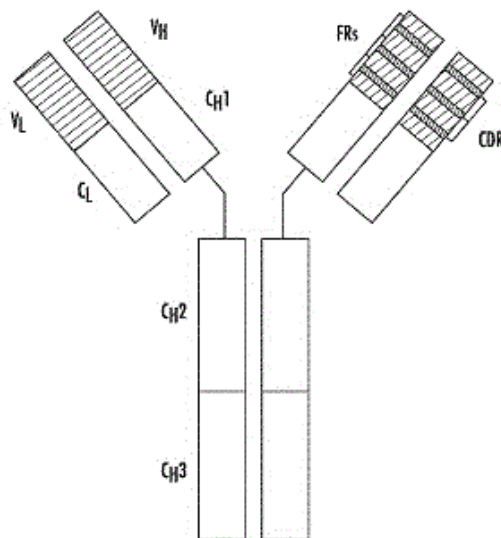
21: 2021/05152. 22: 2021/07/21. 43: 2022/11/29  
 51: A61K; C12P; C12N; G01N

71: CLEMSON UNIVERSITY RESEARCH FOUNDATION

72: VYAVAHARE, NARENDRA R, RICE, CHARLES D, NOSOUDI, NASIM, PARASARAM, VAIDEESH, KARAMCHED, SAKETH

**54: ANTI-ELASTIN ANTIBODIES AND METHODS OF USE**

00: -  
 Antibodies and antigen binding fragments thereof that specifically recognize and bind an epitope of elastin that is exposed and accessible in degraded elastic fiber are described. The antibodies and/or antigen binding fragments can be operably linked to a secondary component including biologically active agents such as therapeutics and/or imaging agents. Optionally, the antibodies and/or antigen binding fragments thereof can be attached to a surface of a carrier, such as a particle, for specific binding and delivery of the carried agents to degraded elastic fiber.



21: 2021/05154. 22: 2021/07/21. 43: 2022/11/08  
 51: C07K; A61P  
 71: ENCEFA  
 72: BRESSAC, LAURENCE, GUERREIRO, SERGE, TOULORGE, DAMIEN  
 33: EP 31: 19305086.1 32: 2019-01-23  
**54: CD31 COMPETITORS AND USES THEREOF**

00: -  
 The present invention relates to isolated anti-human CDS 8 antibodies or antigen-binding fragment thereof; nucleic acids and expression vectors encoding the same. The present invention further relates to compounds which specifically compete

with CD31 for CDS 8 binding, for use in preventing and/or treating a disease selected from neurodegenerative diseases, neuroinflammatory diseases, inflammatory diseases, autoimmune diseases, metabolic diseases, ocular diseases, age-related diseases, cancer and metastasis in a subject in need thereof.

21: 2021/05183. 22: 2021/07/22. 43: 2022/11/16  
 51: A61K; A61P  
 71: GLYCOLYSIS BIOMED CO., LTD  
 72: LEE, Feng Lin, LIN, Lung Jr, HSU, Jyh Shing, HSU, Cheng Hsien, HUANG, Yen Chun, HUANG, Ya Chien, LO, Chun Tsung, LIAO, Hui Fang, LIU, Yu Wen, KAO, Yu Chi

33: US 31: 62/795,917 32: 2019-01-23  
**54: BETA-LACTAM COMPOUNDS OR SALTS THEREOF FOR USE IN LONG-ACTING PREVENTION OR TREATMENT OF A GLUCOSE METABOLISM DISORDER**

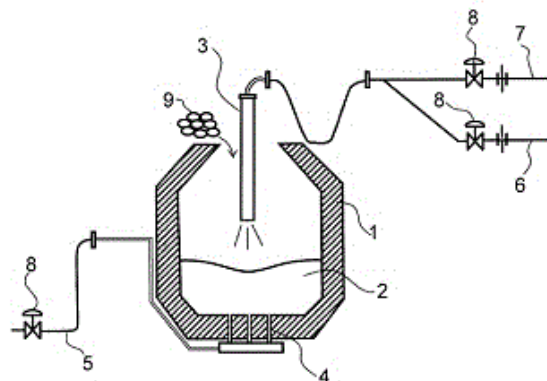
00: -  
 Provided is a long-acting method for preventing or treating glucose metabolism disorders that includes administering a beta-lactam compound or a pharmaceutically acceptable salt thereof to a subject in need thereof. The method for preventing or treating glucose metabolism disorders has a long-acting effect that lasts more than two days even after medication has been stopped.

21: 2021/05194. 22: 2021/07/22. 43: 2022/11/08  
 51: C21C; C22C  
 71: JFE STEEL CORPORATION, MIZUSHIMA FERROALLOY CO., LTD.  
 72: FUJII, YUSUKE, SATO, SHINGO, KAWABATA, RYO, KIKUCHI, NAOKI, SHIOTA, TOSHIO, HIGUCHI, IPPEI

33: JP 31: 2019-010312 32: 2019-01-24  
**54: METHOD FOR PRODUCING LOW-CARBON FERROMANGANESE**

00: -  
 The production of low-carbon ferromanganese by blowing an oxidizing gas onto the surface of a molten high-carbon ferromanganese bath through a top-blowing lance in a reaction vessel equipped with the top-blowing lance and a bottom blowing tuyere to decarbonize the high-carbon ferromanganese, wherein refining is carried out by blowing the oxidizing gas in such a manner that the flow rate of the oxidizing gas upon the reaching the surface of the bath can become 70 to 150 m/s inclusive.

Furthermore, agitation is carried out under such a condition where the agitation power density of the gas to be blown through the bottom blowing tuyere becomes 500 W/t or more.

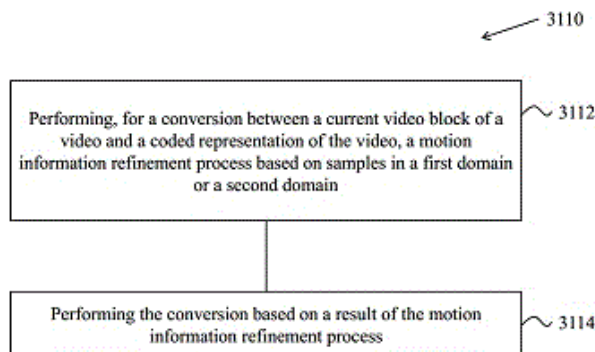


21: 2021/05195. 22: 2021/07/22. 43: 2022/11/08  
 51: H04N

71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.  
 72: ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, XU, JIZHENG, WANG, YUE

33: CN 31: PCT/CN2019/074437 32: 2019-02-01  
**54: SIGNALING OF IN-LOOP RESHAPING INFORMATION USING PARAMETER SETS**

00: -  
 A method for video processing is provided to include performing a conversion between a current video block of a video region of a video and a coded representation of the video, wherein the conversion uses a coding mode in which the current video block is constructed based on a first domain and a second domain and/or chroma residue is scaled in a luma-dependent manner, and wherein a parameter set in the coded representation comprises parameter information for the coding mode.





21: 2021/05198. 22: 2021/07/22. 43: 2022/11/29  
51: C11D

71: UNILEVER GLOBAL IP LIMITED

72: AGARKHED, AJIT MANOHAR, BANGAL, AMALENDU, GHOSH DASTIDAR, SUDIPTA, HEGISHTE, SWAPNIL RAVIKANT, PRATAP, SHAIENDRA, YAROVVOY, YURIY KONSTANTINOVICH

33: EP 31: 19157897.0 32: 2019-02-19

**54: AN EXTRUDED SOAP BAR WITH HIGH WATER CONTENT**

00: -

The present invention relates to an extruded soap bar composition. It more particularly relates to a soap bar composition which comprises low amount of soap where high amount of water can be incorporated. This is achieved by including selective amount of zeolite therein. The soap bars of the invention are easy to extrude and stamp.

21: 2021/05220. 22: 2021/07/23. 43: 2022/11/08  
51: A61K

71: CITY OF HOPE

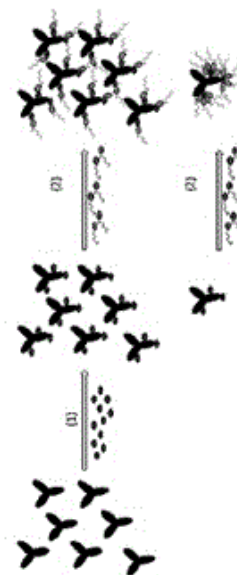
72: HERRMANN, ANDREAS, YU, HUA

33: US 31: 62/104,653 32: 2015-01-16

**54: CELL PENETRATING ANTIBODIES**

00: -

Provided herein are cell penetrating conjugates. The conjugates include a non- cell penetrating protein attached to a phosphorothioate nucleic acid or phosphorothioate polymer backbone through a non-covalent linker including abiotin-binding domain and a biotin domain, wherein the phosphorothioate nucleic acid or phosphorothioate polymer backbone enhances intracellular delivery of the non-cell penetrating protein. Also provided are compositions and kits comprising the conjugates.



21: 2021/05238. 22: 2021/07/23. 43: 2022/11/08  
51: H04N

71: BEIJING BYTEDANCE NETWORK TECHNOLOGY CO., LTD., BYTEDANCE INC.

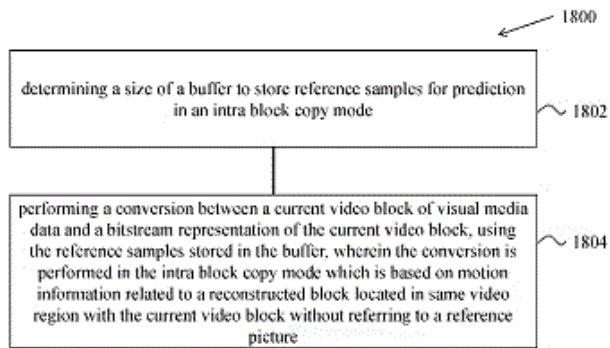
72: XU, JIZHENG, ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, WANG, YUE

33: CN 31: PCT/CN2019/074598 32: 2019-02-02

**54: BUFFER MANAGEMENT FOR INTRA BLOCK COPY IN VIDEO CODING**

00: -

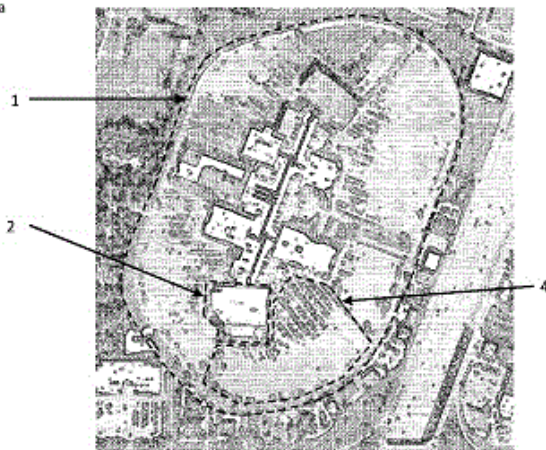
A method of visual media processing includes determining a size of a buffer to store reference samples for prediction in an intra block copy mode; and performing a conversion between a current video block of visual media data and a bitstream representation of the current video block, using the reference samples stored in the buffer, wherein the conversion is performed in the intra block copy mode which is based on motion information related to a reconstructed block located in same video region with the current video block without referring to a reference picture.



21: 2021/05239. 22: 2021/07/23. 43: 2022/11/08  
 51: A63G  
 71: CRYSTAL LAGOONS TECHNOLOGIES, INC.  
 72: FISCHMANN, FERNANDO BENJAMIN  
 33: US 31: 62/785,086 32: 2018-12-26  
 33: US 31: 16/538,273 32: 2019-08-12  
**54: CONSTRUCTION METHOD FOR CREATING A RESTRICTED ACCESS SWIMMING LAGOON WITH BEACHES AT A RETAIL SITE**

00: -  
 The present invention discloses a construction method for demolishing a portion of a retail site, including a shopping mall with an anchor big-box store, or a standalone big-box store and/or their associated parking space, in order to create a restricted access swimming lagoon with a beach at a retail site, in order to provide a completely new setting within the retail site that aims to attract clients based on new consumer trends.

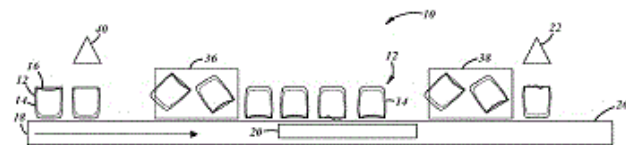
FIG. 1a



21: 2021/05240. 22: 2021/07/23. 43: 2022/11/08  
 51: G01M  
 71: OWENS-BROCKWAY GLASS CONTAINER INC.

72: CHISHOLM, BRIAN J, BROZELL, BRIAN J  
 33: US 31: 16/269,351 32: 2019-02-06  
**54: SEAL INTEGRITY INSPECTION**

00: -  
 An apparatus (10) for inspecting the integrity of a seal of a package (12) that includes a container (14) and a seal membrane (16) carried by the container. The apparatus comprises a conveyor (18) configured to move the sealed package along a path and including a vacuum plenum section (20) configured to create a sub-atmospheric pressure that is applied to the seal membrane of the sealed package as the package moves through the vacuum plenum section. The apparatus further comprises an imaging sensor (22) configured to generate one or more images of the seal membrane following the application of a sub-atmospheric pressure thereto at the vacuum plenum section. The apparatus still further comprises an electronic processing device (24) configured to process the one or more images of the seal membrane generated by the imaging sensor, and to evaluate the integrity of the seal of the package based on the one or more images.



21: 2021/05242. 22: 2021/07/23. 43: 2022/11/08  
 51: E05B  
 71: MUL-T-LOCK TECHNOLOGIES LTD.  
 72: BEN-AHARON, EFFI, KAISER, IZHAK, MORSEY, EYAL  
 33: IL 31: 264518 32: 2019-01-29

**54: KEY COMBINATION ELEMENT IN KEY BLANK AND KEY**

00: -  
 A key device includes a generally elongate shaft portion that has first and second oppositely directed side surfaces, at least one of which is cuttable to form key cuts that define a key combination surface. First and second key combination elements, disposed in the elongate shaft portion, are side-by-side one another at different lateral positions along the width of the elongate shaft portion and located at overlapping longitudinal positions along the length of the elongate shaft portion. The first and second key combination elements are each pivotable about a pivot axis.

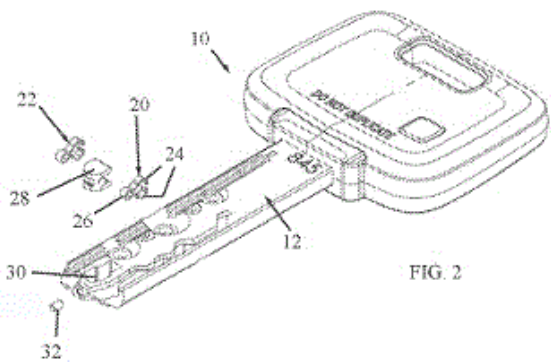
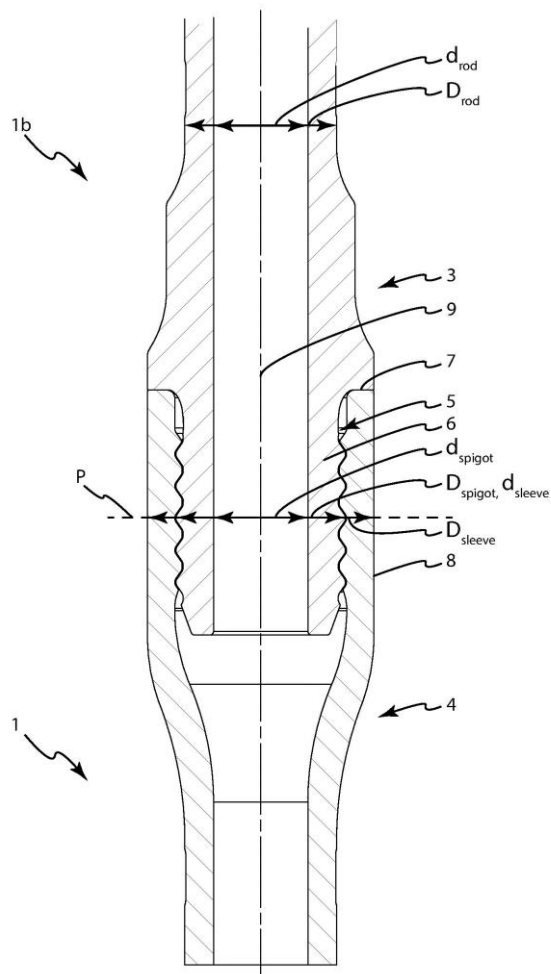


FIG. 2



21: 2021/05270. 22: 2021/07/26. 43: 2022/11/08  
 51: E21B  
 71: Sandvik Mining and Construction Tools AB  
 72: JANSSON, Tomas, PETTERSSON, Mattias  
 33: EP(SE) 31: 19163477.3 32: 2019-03-18  
**54: DRILL STRING ROD**  
 00: -

A drill string rod (1) to form part of an assembly (10) of connected such drill string rods (1, 1b), the drill string rod (1) comprising: an elongate central rod portion (2) extending axially between a male end (3) and a female end (4), wherein the central rod portion (2) is hollow-cylindrical defined by an inner first diameter ( $d_{rod}$ ) and an outer second diameter ( $D_{rod}$ ), wherein the male end (3) comprises a spigot (5), wherein the spigot (5) comprises a base (6) projecting axially from a shoulder (7) that axially separates the spigot (5) and the central rod portion (2), wherein the female end (4) comprises a sleeve portion (8) configured to fit to the spigot (5), wherein the base (6) is provided with an outer thread and wherein the sleeve portion (8) is provided with an inner thread, wherein the inner thread corresponds to the outer thread such that the inner thread of the sleeve portion (8) is attachable to the outer thread of the base (6) of the spigot (5) of a further drill string rod (1b) of the assembly (10), wherein, in a radial plane (P) to the longitudinal axis (9) of the drill string rod (1), the base (6) of the spigot (5) is defined by an outer third diameter ( $D_{spigot}$ ) and an inner fourth diameter ( $d_{spigot}$ ) and the sleeve portion (8) is defined by an outer fifth diameter ( $D_{sleeve}$ ) and an inner sixth diameter ( $d_{sleeve}$ ), wherein the second diameter ( $D_{rod}$ ) is  $> 60$  mm, and wherein the six diameters mentioned are selected within specific constraints.

21: 2021/05284. 22: 2021/07/26. 43: 2022/11/08  
 51: C11D  
 71: UNILEVER GLOBAL IP LIMITED  
 72: BANKAR, PRAVIN, MURTHY KAMSU,  
 VENKATA SATYANARAYANA, SETHNA, SIMONE  
 33: EP 31: 19157900.2 32: 2019-02-19  
**54: AN EXTRUDED SOAP BAR WITH HIGH WATER CONTENT**

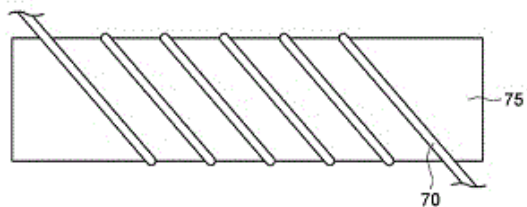
00: -  
 The present invention relates to an extruded soap bar composition. It more particularly relates to a soap bar composition which comprises low amount of soap where high amount of water can be incorporated. This is achieved by including selective amount of a mixture of sodium or calcium silicate and an acrylic/acrylate polymer, wherein the soap bar comprises 0.01 to 0.7 wt% of the polymer. The soap bars of the invention are easy to extrude and has acceptable product hardness.

21: 2021/05306. 22: 2021/07/27. 43: 2022/11/08  
 51: D01F; A41G; A61L  
 71: ADERANS CO., LTD., SPIBER INC.  
 72: SEKI, MASATOSHI, TAKAHASHI, HIDEKI, ITO, REN, ABE, YUNOSUKE

33: JP 31: 2019-016458 32: 2019-01-31  
 33: JP 31: 2019-016472 32: 2019-01-31

**54: FIBER FOR ARTIFICIAL HAIRS, ARTIFICIAL HAIR, METHOD FOR PRODUCING FIBER FOR ARTIFICIAL HAIRS, AND METHOD FOR PRODUCING ARTIFICIAL HAIR**

00: -  
 Disclosed is a fiber for artificial hairs, with a prescribed shape added, which comprises a synthetic fibroin fiber containing a modified fibroin and which elongates when placed in a wet state and shrinks when dried from the wet state. Also disclosed is a method for producing a fiber for artificial hairs, with a prescribed shape added, which includes holding the fibroin fiber that contains the modified fibroin in a state that conforms to the prescribed shape. A wetted fibroin fiber may be heated while being held in a state that conforms to the prescribed shape.

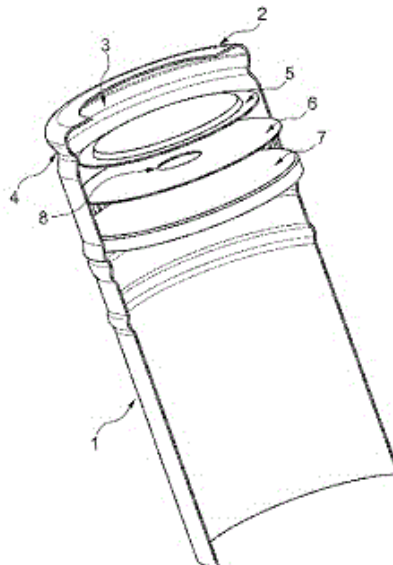


21: 2021/05307. 22: 2021/07/27. 43: 2022/11/08  
 51: B65D  
 71: GUALA CLOSURES DEUTSCHLAND GMBH  
 72: MUÑOZ, JAVIER  
 33: DE 31: 10 2019 102 213.4 32: 2019-01-29

**54: BOTTLE CAP**

00: -  
 The invention relates to a closure cap to be placed on the neck of a drinks bottle. The invention has the object of providing a closure cap which bears as a closure seal against the top of the bottle neck. According to the invention, this is achieved by an upper breakthrough in the closure cap, into which an internally inserted disc-like decorative item engages, the closure cap having at least in part a retaining bead that runs parallel to the top of the closure cap and projects into the cap, into which retaining bead are inserted a liner plate also running parallel to the

cap top and the decorative item engaging in the top. This liner plate secures the decorative item in the position in the top of the closure cap and bears as a closure seal against the top of the bottle neck.



21: 2021/05310. 22: 2021/07/27. 43: 2022/11/08  
 51: C12N; A61K; C07K; C12R  
 71: ELANCO US INC.

72: KUMAR, ARVIND, GANGAIAH, DHARANESH MAHIMAPURA

33: US 31: 62/801,307 32: 2019-02-05

**54: PROBIOTIC COMPOSITIONS COMPRISING LACTOBACILLUS REUTERI STRAINS AND METHODS OF USE**

00: -  
 The present invention relates to probiotic compositions and methods for increasing animal health. The probiotic compositions include one or more isolated strains of novel Lactobacillus reuteri strains which colonizes the gastrointestinal tract to increase the health of an animal.

21: 2021/05311. 22: 2021/07/27. 43: 2022/11/08  
 51: A23K

71: MARS, INCORPORATED

72: VAN HOEK, INGRID

33: EP 31: 19305123.2 32: 2019-02-01

**54: FELINE FOOD COMPOSITION**

00: -  
 Nutritionally complete feline food compositions comprising EPA/DHA and carbohydrates are disclosed herein. These nutritionally complete feline food compositions can be used in dry or wet food

composition. The compositions can be used to for preventing and/or treating cardiac hypertrophy in feline animals, such as cats.

21: 2021/05312. 22: 2021/07/27. 43: 2022/11/08  
 51: C12N; A61K; C07K; C12R  
 71: ELANCO US INC.  
 72: GANGAIAH, DHARANESH MAHIMAPURA, KUMAR, ARVIND, LIU, LIN, MANE, SHRINIVASRAO PEERAJIRAO, RYAN, VALERIE ELYSE  
 33: US 31: 62/801,307 32: 2019-02-05

**54: A GENETICALLY MODIFIED LACTOBACILLUS AND USES THEREOF**

00: -  
 The present invention relates to efficient delivery of anti-infective activity, immunomodulatory factors, or growth-promoting biomolecules directly to the digestive tract of an animal via a live delivery platform. The live delivery platform can be a genetically modified microorganism. Delivery can be accomplished with a Lactobacillus sp which colonizes the gastrointestinal tract. The anti-infective activity can be a bacteriocidal or bacteriostatic peptide, an antibody or fragment thereof which specifically recognizes a pathogen, or a phage, or a lytic peptide from a phage which specifically targets a certain pathogen.

21: 2021/05315. 22: 2021/07/27. 43: 2022/11/08  
 51: G06Q  
 71: CATERPILLAR INC.  
 72: HENDRICKS, CARL F. B  
 33: US 31: 16/262,145 32: 2019-01-30

**54: SYSTEM AND METHOD OF MANAGING CARRYBACK IN SURFACE HAULAGE**

00: -  
 A machine routing and planning system for mobile machines at a work site (100) includes a plurality of haul trucks (40), a loading machine (11), and a controller (116). The controller (116) is configured to determine an initial effective capacity based on an initial amount of carryback material, and generate an initial material movement plan based upon the number of machines, the capacity of the loading machine (11) and the initial effective capacity of each haul truck (40). The controller (116) is further configured to determine a modified effective capacity for each haul truck (40) based on a current amount of carryback material, and generate a modified

material movement plan based upon the number of machines, the capacity of each loading machine (11), and the modified effective capacity for each haul truck.

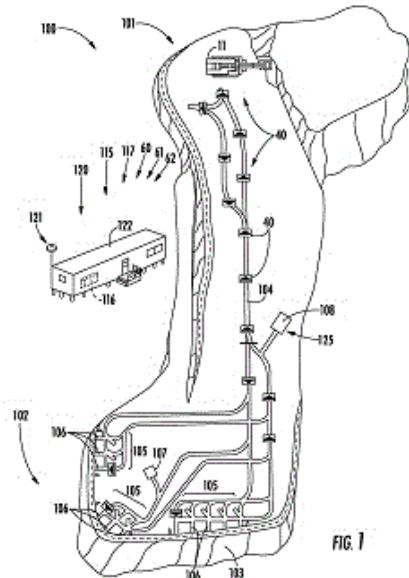


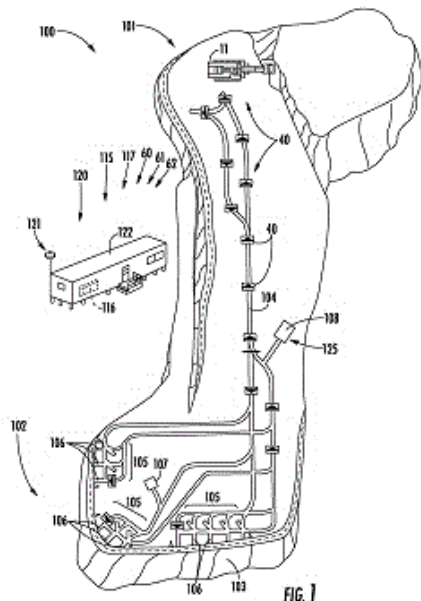
FIG. 1

21: 2021/05316. 22: 2021/07/27. 43: 2022/11/08  
 51: B60P; E02F; B60S  
 71: CATERPILLAR INC.  
 72: HENDRICKS, CARL F.B  
 33: US 31: 16/262,098 32: 2019-01-30

**54: SYSTEM AND METHOD FOR DETERMINING CARRYBACK IN SURFACE HAULAGE**

00: -  
 A system for removing carryback material from the interior surface (46) of a dump body (44). A controller (116) is configured to determine a pose of the dump body (44), determine the current profile of the dump body, and determine the pose of the perception sensor (35). The controller (116) is further configured to determine a difference between the current profile and the reference profile, and determine whether the difference between the current profile and the reference profile exceeds the carryback threshold. Upon the difference between the current profile to the reference profile exceeding a carryback threshold, the dump body (44) is designated for a clean out operation. The controller (116) is further configured to generate movement command signals to perform a clean out operation on the dump body (44) to remove an amount of material from the interior surface (46) so that the

difference between the current profile to the reference profile is less than the carryback threshold.



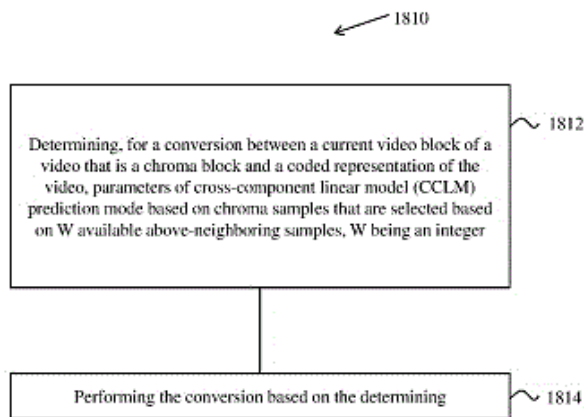
21: 2021/05344. 22: 2021/07/28. 43: 2022/11/16  
 51: A61K; C07D; A61P  
 71: HUYABIO INTERNATIONAL, LLC  
 72: ROMANO, Suzanne J., REECE, Hayley Ann,  
 BENSON, Joseph Edward Gordon, COLLINS,  
 Sarah, ELLIOTT, Gary T., GILLINGS, Mireille,  
 GOODENOW, Robert, TYREE, Curtis  
 33: US 31: 62/798,467 32: 2019-01-29  
 33: US 31: 62/959,687 32: 2020-01-10  
**54: SULCARDINE SALTS**

00: -  
 Sulcardine salts other than sulfuric acid salts of sulcardine, including crystalline sulcardine salts, are provided herein. Pharmaceutical compositions comprising such salts and methods of treating arrhythmias comprising administering effective amounts of such salts are also provided.

21: 2021/05356. 22: 2021/07/28. 43: 2022/11/08  
 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/CN2019/075874 32: 2019-02-22  
 33: CN 31: PCT/CN2019/079396 32: 2019-03-24  
 33: CN 31: PCT/CN2019/079431 32: 2019-03-25  
 33: CN 31: PCT/CN2019/076195 32: 2019-02-26

33: CN 31: PCT/CN2019/079769 32: 2019-03-26  
 33: CN 31: PCT/CN2019/075993 32: 2019-02-24  
**54: NEIGHBOURING SAMPLE SELECTION FOR  
 INTRA PREDICTION**

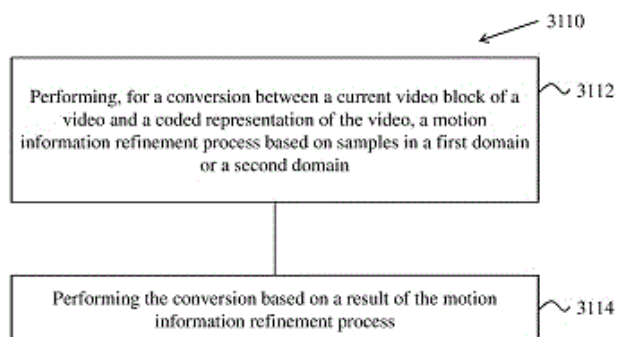
00: -  
 A method for video processing is provided. The method includes determining, for a conversion between a current video block of a video that is a chroma block and a coded representation of the video, parameters of cross-component linear model (CCLM) prediction mode based on chroma samples that are selected based on W available above-neighbouring samples, W being an integer; and performing the conversion based on the determining.



21: 2021/05404. 22: 2021/07/29. 43: 2022/11/08  
 51: H04N  
 71: BEIJING BYTEDANCE NETWORK  
 TECHNOLOGY CO., LTD., BYTEDANCE INC.  
 72: ZHANG, LI, ZHANG, KAI, LIU, HONGBIN, XU,  
 JIZHENG, WANG, YUE  
 33: CN 31: PCT/CN2019/074437 32: 2019-02-01  
**54: INTERACTIONS BETWEEN IN-LOOP  
 RESHAPING AND INTER CODING TOOLS**

00: -  
 A method for video processing is provided to include performing, for a conversion between a current video block of a video and a coded representation of the video, a motion information refinement process based on samples in a first domain or a second domain; and performing the conversion based on a result of the motion information refinement process, wherein, during the conversion, the samples are obtained for the current video block from a first prediction block in the first domain using an unrefined motion information, at least a second prediction block is generated in the second domain

using a refined motion information used for determining a reconstruction block, and reconstructed samples of the current video block are generated based on the at least the second prediction block.



21: 2021/05405. 22: 2021/07/29. 43: 2022/11/08  
51: A61K; A61P; A61Q

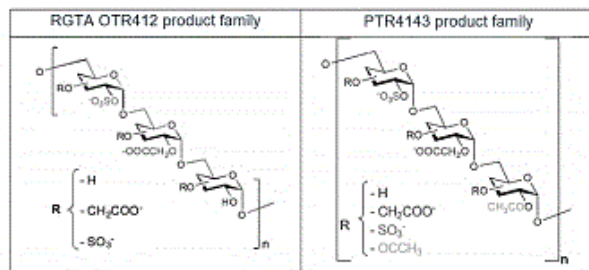
71: ORGANES TISSUS REGENERATION REPARATION REMPLACEMENT, BARRITAUT, DENIS

72: BARRITAUT, DENIS

33: EP 31: 19305095.2 32: 2019-01-24

**54: COSMETIC/DERMATOLOGICAL COMPOSITION**

00: -  
The present invention relates to a pharmaceutical or dermatological composition and to its use as a medicament. The present invention also relates to a cosmetic or dermatological composition, as well as to a care kit including the composition of the invention. The present invention finds an application in particular in the cosmetic, pharmaceutical and veterinary fields.



21: 2021/05511. 22: 2021/08/03. 43: 2022/11/16  
51: A61F

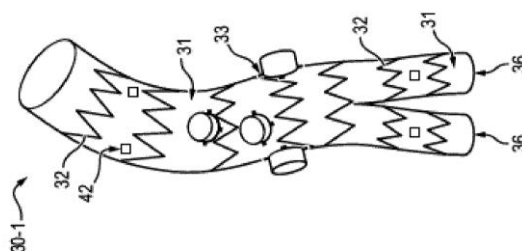
71: FONDATION HÔPITAL SAINT-JOSEPH

72: FABRE, Dominique, HAULON, Stéphan

33: FR 31: FR1900042 32: 2019-01-03

**54: METHOD FOR AUTOMATED PRODUCTION OF A VASCULAR ENDOPROSTHESIS**

00: -  
The invention relates to a method for producing a vascular endoprosthesis for insertion into a natural cavity of a person's body. The method is based on a three-dimensional model comprising a main channel, at least one branch of the channel extending from the main channel, and an intersection between the main channel and the branch of the channel, the method comprising the steps of: - producing an imprint structure which is designed to follow a shape of the main channel, the imprint structure comprising at least one location corresponding to the intersection of the three-dimensional model, - placing a reinforcement (33) at the location of the imprint structure, - producing a prosthesis wall (31) using the imprint structure, the prosthesis wall being made of polymer, a window or a branch of the prosthesis being produced at the location, - producing the vascular endoprosthesis (30-1) comprising the window or branch of the prosthesis.



21: 2021/05588. 22: 2021/08/06. 43: 2022/11/21  
51: A23L; A61P

71: MICROPHYT

72: PRADELLES, Rémi, DELBRUT, Antoine

33: FR 31: 19/01820 32: 2019-02-22

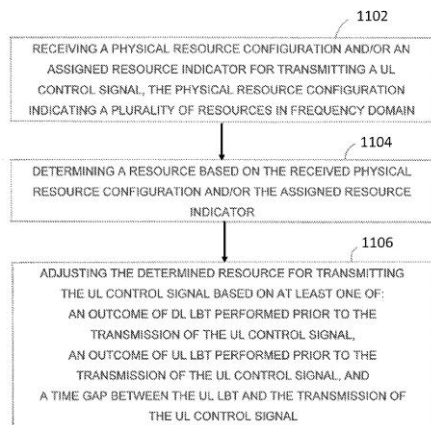
**54: FOOD SUPPLEMENT**

00: -  
The invention relates to a composition comprising at least 50 mg/g of one or more omega -3 fatty acids, at least 10 mg/g of one or more xanthophylls, at least 1 mg/g of one or more sterols and at least 2 µg/g of one or more phycoprostanes, and to the use of said composition in particular as a food supplement in the prevention of the onset of cognitive disorders.

21: 2021/05624. 22: 2021/08/10. 43: 2022/11/21

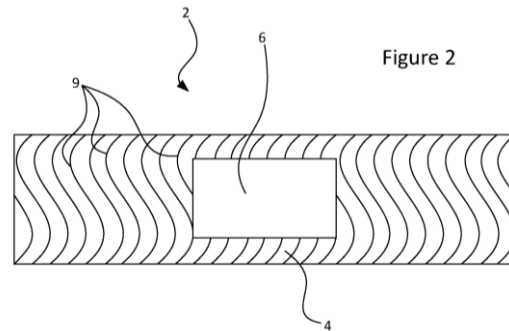
51: H04W H04L  
 71: NOKIA TECHNOLOGIES OY  
 72: HOOLI, Kari, TIIROLA, Esa, LUNTTILA, Timo, SCHOBBER, Karol  
 33: US 31: 62/790,676 32: 2019-01-10  
**54: RESOURCE DETERMINATION FOR COMMUNICATING UPLINK CONTROL SIGNAL IN WIDE BANDWIDTH DEPLOYMENTS**

00: -  
 Solutions for determining a resource for transmitting/detecting an uplink (UL) control signal are proposed. For example, a method includes receiving a physical resource configuration and/or an assigned resource indicator for transmitting the UL control signal, wherein the physical resource configuration indicates a plurality of resources in frequency domain. The method also includes determining a resource based on the received physical resource configuration and/or the assigned resource indicator; and adjusting the determined resource for transmitting the UL control signal based on at least one of: an outcome of downlink (DL) listen before talk (LBT) performed prior to the transmission of the UL control signal, an outcome of UL LBT performed prior to the transmission of the UL control signal, and a time gap between the UL LBT and the transmission of the UL control signal.



21: 2021/05632. 22: 2021/08/10. 43: 2022/11/23  
 51: A61F  
 71: SMITH, Lucas Hector Izard  
 72: SMITH, Lucas Hector Izard  
 33: US 31: 62/811,033 32: 2019-02-27  
**54: BREATHABLE ADHESIVE BANDAGES**  
 00: -  
 A breathable adhesive bandage, sticking plaster or plaster includes a fabric layer, a pad and an

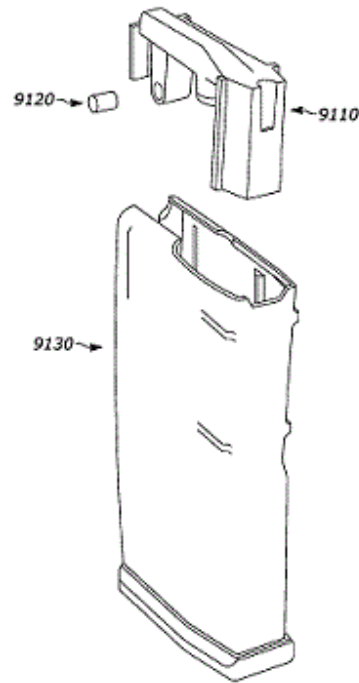
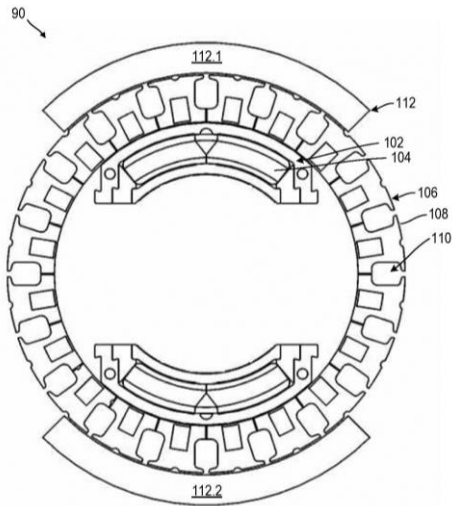
adhesive. The adhesive may provide only partial coverage of the fabric layer, allowing breathability. The pad and/or fabric layer may be formed from wool, such as merino wool. A backing may be applied to the adhesive layer.



21: 2021/05687. 22: 2021/08/11. 43: 2022/10/28  
 51: H02K; H02P  
 71: The Trustees for the time being of the KMN FULFILMENT TRUST  
 72: MAKGERU, Kabu Walter  
 33: ZA 31: 2019/01956 32: 2019-03-29

**54: AN ELECTRIC POWER MACHINE WITH A ROTOR MEMBER COMPRISING MAGNETITE**  
 00: -  
 This present disclosure is the concept that comprises means to generate secondary magnetic field by using material such as that comprising finely ground magnetite mixed with resin to form block or any suitable shape that is used by putting it on the return path, the central shaft and magnetite rotor. This magnetite for use in this case does not have a big steel core as in Electromagnets and does not have current conductors to generate the field. It can have a thin layer of steel in the centre whose function is to give it strength and to generate some of the magnetic field and conduct the magnetic field. The present disclosure is useful in conjunction with a normal electromagnet or a permanent magnet.





21: 2021/05697. 22: 2021/08/11. 43: 2022/11/21  
 51: F41A F41G  
 71: SHELTERED WINGS, INC. d/b/a VORTEX OPTICS  
 72: HAMILTON, Sam, IAN, Klemm, HAVENS, Calen, CODY, Tom, SCHULTZ, Craig, BOLLIG, Garrison, CARLSON, Andy, LOWRY, William, LEWIS, Alexander, LAUFENBERG, Nicholas  
 33: US 31: 62/794,065 32: 2019-01-18  
 33: US 31: 62/794,233 32: 2019-01-18

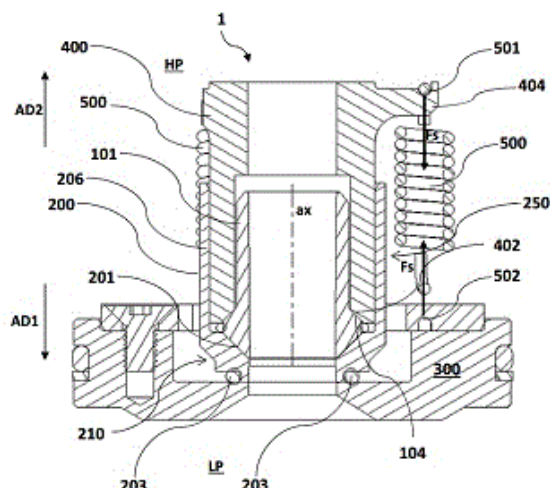
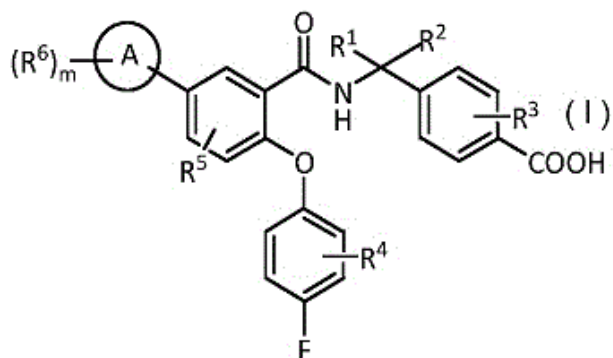
**54: VIEWING OPTIC WITH ROUND COUNTER SYSTEM**

00: -  
 The disclosure relates to a viewing optic. In one embodiment, the disclosure relates to a display system for a viewing optic. In one embodiment, the disclosure relates to a viewing optic having a display system with multiple active displays for generating images that are projected into a first focal plane of an optical system. In one embodiment, the disclosure relates to a viewing optic with an active display and a round counter system.

21: 2021/05698. 22: 2021/08/11. 43: 2022/11/25  
 51: C07D; C07C; A61P; A61K  
 71: MEDIBIOFARMA, S.L.  
 72: PALOMINO LARIA, JULIO CASTRO, CAMACHO GÓMEZ, JUAN, RODRÍGUEZ IGLESIAS, RODOLFO, VELILLA MARTÍNEZ, IRENE  
 33: EP 31: 19382088.3 32: 2019-02-08

**54: NEW N-BENZYL-2-PHENOXYBENZAMIDE DERIVATIVES AS PROSTAGLANDIN E2 (PGE2) RECEPTORS MODULATORS**

00: -  
 The present invention relates to novel, optionally substituted, N-benzyl-2- phenoxybenzamide derivatives of formula (I), as modulators of EP4 and/or EP2 receptors of prostaglandin E2 (PGE2), to processes for their preparation, to pharmaceutical compositions comprising said compounds and to said compound for use in the treatment of pathological conditions, disorders or diseases that can improve by modulation of EP4 and/or EP2 receptors of prostaglandin E2 (PGE2) such as cancer disease, pain, inflammation, neurodegenerative diseases and kidney diseases.



21: 2021/05801. 22: 2021/08/13. 43: 2022/11/04

51: F16J; F02G

71: AZELIO AB

72: ESKILSSON, PER, VERNER, ANDREAS, BORRAS, FRANCISCO XAVIER, BAUMUELLER, ANDREAS, EDVINSSON, ÅKE, SÄÄW, OLLE

33: SE 31: 1950106-3 32: 2019-01-29

33: SE 31: 1950105-5 32: 2019-01-29

**54: IMPROVED ROD SEAL ASSEMBLIES FOR MACHINES WITH CROSSEADS AND SEALED OSCILLATING RODS**

00: -

A rod seal assembly (1) for a machine comprising a crosshead (3) and a sealed oscillating piston rod (100), wherein the rod seal assembly (1) comprising: a seal housing (300), a rod seal (101), a bushing (400) and a rod seal base (200), wherein the rod seal (101), bushing (400) and the rod seal base (200) are annular and can be laterally moved in relation to the seal housing (300) the housing (300) axially supports the rod seal base (200), the rod seal base (200) is adapted to be arranged around the piston rod (100) and is provided with a base portion (106), wherein the base portion (106) comprises a lower axial surface (114) directed in a first axial direction an upper axial surface (113) directed in a second axial direction, wherein the lower axial surface (114) abut the housing (300) and the upper axial surface (113) is provided with a rod seal seat (201), the rod seal (101) is adapted to be arranged around the piston rod (100), and has a first end portion (102) and a second end portion (103), wherein the first end portion (103) is arranged to connect to the rod seal base (200) in the first axial direction, and the bushing (400) is arranged to abut the rod seal (101) in the first axial direction, and the rod seal base (200) and the bushing are arranged to have an axial overlap (250).

21: 2021/05890. 22: 2021/08/17. 43: 2022/11/25

51: B65G

71: QIMAROX PATENTEN B.V.

72: HANNESSEN, PIETER GERRIT

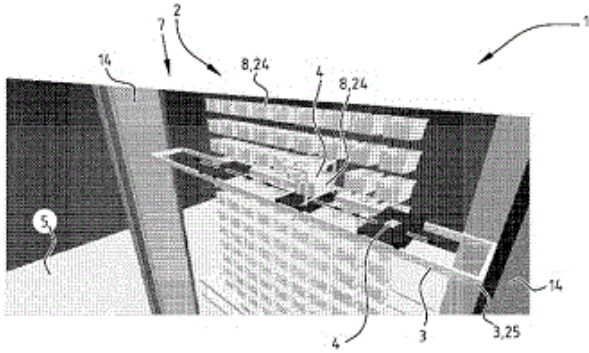
33: NL 31: 2022727 32: 2019-03-12

33: NL 31: 2023760 32: 2019-09-04

**54: ORDER PICKING SYSTEM COMPRISING A PATERNOSTER CONVEYOR AND METHOD OF USING SUCH A SYSTEM**

00: -

The present invention relates to an order picking system (1) comprising: • - a paternoster conveyor (2) having a carrier configured to carry products (4); • - wherein said paternoster conveyor is: • - on one side (5) associated with at least one transporter (6); and • - on an opposite side (7) associated with at least a plurality of further transporters (8) that comprise a plurality of transport boxes (24), • - wherein the plurality of transport boxes are configured to receive one or more than one product carried by the carrier; and • - wherein the paternoster conveyor is configured to at least one of: • - selectively place one or more than one product in a preselected transport box of the plurality of transport boxes; and • - selectively pick up and carry a pre-selected transport box comprising one or more than one product previously received therein. The invention further relates to a method of handling products in such an order picking system.



21: 2021/05953. 22: 2021/08/19. 43: 2022/11/08  
 51: G06T; G06Q  
 71: CLIMATE LLC  
 72: JUAN PABLO BEDOYA, VICTOR STUBER,  
 GERARD GUILLETTE, JOOST KEMINK, YAQI  
 CHEN, DANIEL WILLIAMS, YING SHE, MARIAN  
 FARAH, JULIAN BOSHARD, WEI GUAN  
 33: US 31: 15/688,567 32: 2017-08-28  
**54: CROP DISEASE RECOGNITION AND YIELD  
 ESTIMATION**

00: -  
 A computer-implemented method of determining a number of kernels from an image of a corn, is disclosed. The method includes the steps of: receiving, by a processor, a digital image that is in encoded in color or gray scale; and segmenting the image into foreground data associated with a corn comprising a group of kernels grown on an ear of the corn and background data, to create an updated image. Segmenting the image includes the steps of: dividing an image into the foreground data and the background data by performing a constant thresholding method and an adaptive thresholding method being based on a weighted sum of neighborhood values with weights forming a Gaussian window; identifying, by the processor, clusters of one or more connected pixels in the foreground data; performing thresholding on a size of each of the clusters, thereby classifying the foreground data into one or more single-kernel areas and separate one or more multi-kernel areas based on a size of each of the clusters without further segmenting any of the clusters, each of the one or more single-kernel areas corresponding to a single kernel, each of the one or more multi-kernel areas corresponding to multiple kernels; determining a total number of kernels based on one or more sizes of the one or more single-kernel areas and one or

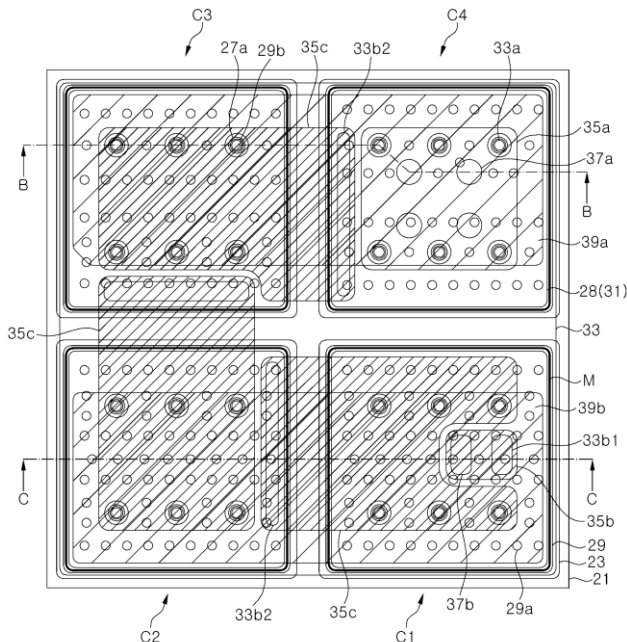
more sizes of the one or more multi-kernel areas; and causing a display of the total number of kernels.



21: 2021/06006. 22: 2021/08/20. 43: 2022/12/01  
 51: H01L  
 71: SEOUL VIOSYS CO., LTD.  
 72: KIM, Jae Kwon, HEO, Min Chan, KIM, Kyoung  
 Wan, KIM, Jong Kyu, KIM, Hyun A, LEE, Joon Sup  
 33: KR 31: 10-2019-0012666 32: 2019-01-31  
 33: KR 31: 10-2019-0012988 32: 2019-01-31  
**54: LIGHT-EMITTING DIODE**

00: -  
 A light-emitting diode according to an embodiment comprises: a first-conductive-type semiconductor layer; a mesa which is located on the first-conductive-type semiconductor layer and comprises an active layer and a second-conductive-type semiconductor layer; and a lower insulating layer which covers the mesa and at least a portion of the first-conductive-type semiconductor layer exposed around the mesa and which has a first opening for allowing electrical connection to the first-conductive-type semiconductor layer and a second opening for allowing electrical connection to the second-conductive-type semiconductor layer. The active layer generates light having the peak wavelength of 500 nm or less, the lower insulating layer comprises a distributed Bragg reflector, and the lower insulating layer has a high-reflection wavelength band continuously exhibiting a reflection ratio of 90% or more within the wavelength range of the visible region. Within the high-reflection wavelength band, reflection ratios in a first wavelength region including

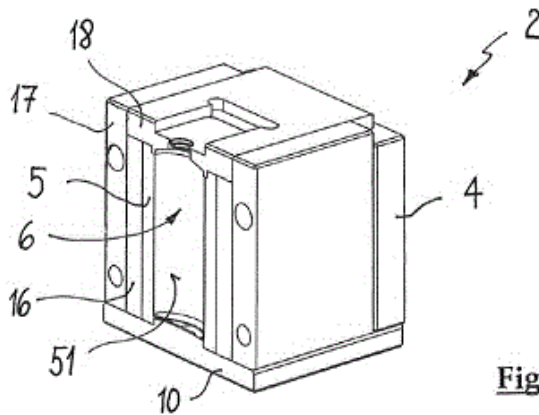
the peak wavelength of light generated in the active layer are greater than reflection ratios in a second region of wavelengths within the range of 554-700 nm, and the first wavelength region is located in a region of wavelengths shorter than 554 nm.



21: 2021/06099. 22: 2021/08/24. 43: 2022/11/16  
 51: B29C; B29K; B29L  
 71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG  
 72: KÜNZ, JOHANN  
 33: CH 31: 00413/19 32: 2019-03-29

**54: BLOW MOULDING TOOL FOR A BLOW MOULDING MACHINE**

00: -  
 The invention relates to a blow moulding tool for a blow moulding machine for producing plastic containers in an extrusion or stretch blow moulding process. The blow moulding tool comprises two blow mould halves, each of which comprises at least one moulding body in which at least one mould cavity is disposed, and a baseplate that receives said moulding body. An insulation block consisting of a thermally insulating material is arranged between the moulding body and the baseplate and, optionally, further components of the blow mould halves.

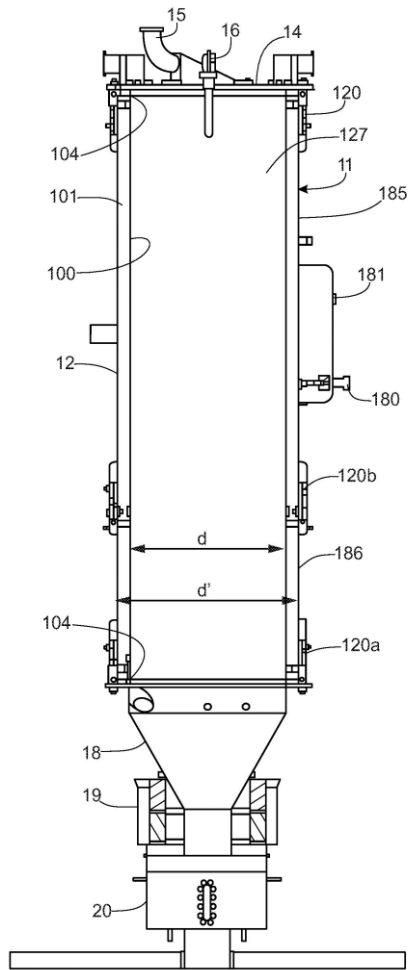


**Fig. 2**

21: 2021/06266. 22: 2021/08/30. 43: 2022/11/08  
 51: A23C; B01D; F26B  
 71: Spraying Systems Co.  
 72: ACKERMAN, Thomas E., BARNES, Christopher W., BRIGHT, Adam C., HUFFMAN, David C., KOCSIS, Scott J., ROSKOS, Kristopher E., ST. PETER, Glenn R., SMITH, Brian K., SZCZAP, Joseph P., THÉNIN, Michel R.  
 33: US 31: 62/250,318 32: 2015-11-03

**54: APPARATUS AND METHOD FOR SPRAY DRYING**

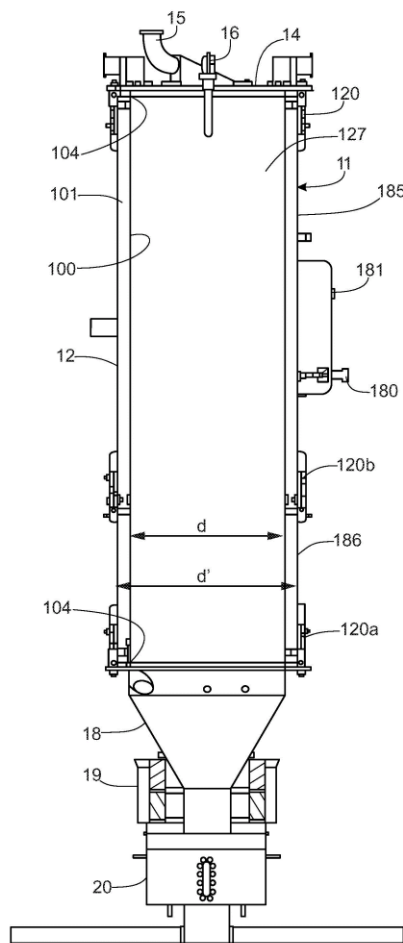
00: -  
 An electrostatic spray dryer for drying liquid into powder including an elongated body defining a drying chamber, a spray nozzle assembly at one end of the drying chamber and a filter element housing and powder collection chamber at an opposite end. A non-structural non-metallic liner is disposed within the elongated body in spaced relation to an inner wall surface for defining an internal drying zone. The liner is releasably supported within the body for enabling selective removal and replacement following a particular usage. The illustrated elongated body has a modular construction comprising a plurality of modules, with at least one being selectively removable and replacement for altering the length of the drying chamber for a particular spray application. The liner also is replaceable with a liner of a length corresponding to the altered length of the drying chamber or with a different diameter for a particular usage.



21: 2021/06267. 22: 2021/08/30. 43: 2022/11/08  
 51: A23C; B01D; F26B  
 71: Spraying Systems Co.  
 72: ACKERMAN, Thomas E., BARNES, Christopher W., BRIGHT, Adam C., HUFFMAN, David C., KOCSIS, Scott J., ROSKOS, Kristopher E., ST. PETER, Glenn R., SMITH, Brian K., SZCZAP, Joseph P., THÉNIN, Michel R.  
 33: US 31: 62/250,318 32: 2015-11-03  
**54: APPARATUS AND METHOD FOR SPRAY DRYING**

00: -  
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enabling selective removal and replacement following a particular usage. The illustrated elongated body has a modular construction comprising a plurality of modules, with at least one being selectively removable and replacement for altering the length of the drying chamber for a particular spray application. The liner also is replaceable with a liner of a length corresponding to the altered length of the drying chamber or with a different diameter for a particular usage.

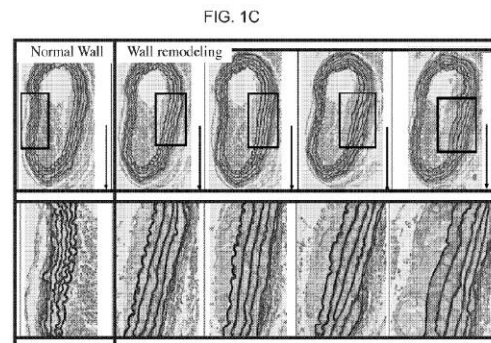
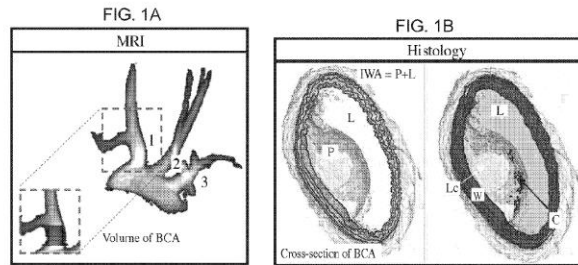
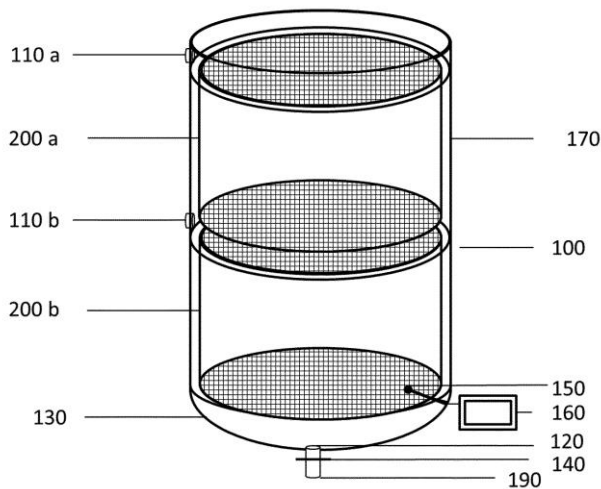


21: 2021/06319. 22: 2021/08/30. 43: 2022/11/21  
 51: A61M; B01D  
 71: ZEOSYS MEDICAL GMBH  
 72: FRIEDRICH, Thomas, EWERS, Christian  
 33: EP 31: 19155562.2 32: 2019-02-05  
**54: TWO-STAGE METHOD FOR RECOVERING HALOGENATED HYDROCARBONS**

00: -  
 The invention relates to a two-stage method for recovering halogenated hydrocarbons. In a desorption step, steam is passed through an

adsorbent comprising adsorbed halogenated hydrocarbons, which produces a secondary flow volume containing halogenated hydrocarbons. The secondary flow volume is converted into a condensate containing halogenated hydrocarbons and water by cooling, from which condensate the halogenated hydrocarbons are separated. In a sterilisation step that precedes the desorption step, the adsorbent comprising adsorbed halogenated hydrocarbons is brought into contact with steam for at least 10 minutes at a temperature of more than 120°C and at a pressure between 0.15 MPa and 0.4 MPa.

The vitamin K can be administered together with additional substances such as vitamin D.



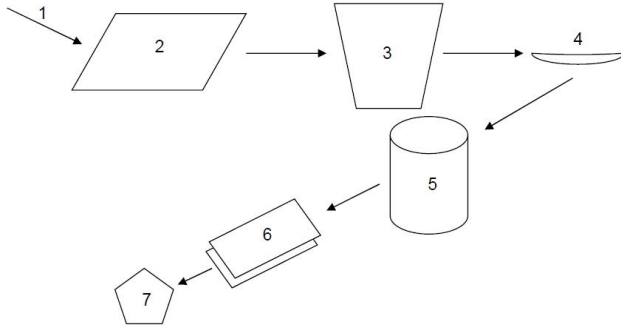
21: 2021/06338. 22: 2021/08/27. 43: 2022/11/16  
 51: A61K; A61P  
 71: KAYDENCE PHARMA AS  
 72: CHLOPICKI, Stefan, MARESZ, Katarzyna, BAR, Anna

33: US 31: 62/816,499 32: 2019-03-11  
**54: RAPIDLY IMPROVING ENDOTHELIAL FUNCTION, REDUCING ARTERIAL STIFFNESS AND REVERSING CALCIFICATION OF BLOOD VESSELS BY ADMINISTERING VITAMIN K**

00: -  
 A method for rapidly improving cardiovascular function, reducing arterial stiffness and reversing calcification of a blood vessel in a mammal comprising administering to the mammal an effective amount of vitamin K for a period of 2 weeks to less than 6 months. Also a method for increasing endothelial nitric oxide production in mammals comprising administering to the mammal an effective amount of vitamin K for a period of 2 to 8 weeks.

21: 2021/07073. 22: 2021/09/22. 43: 2022/11/08  
 51: A23L; A23N  
 71: GRACE EUODIA INVESTMENTS (PTY) LTD  
 72: BERLEIN, Anthony Walter, BERLEIN, Catherine Mary  
 33: WO 31: PCT/IB2019/058608 32: 2019-10-09  
**54: PECAN NUT KERNEL EXTRACTION METHOD**

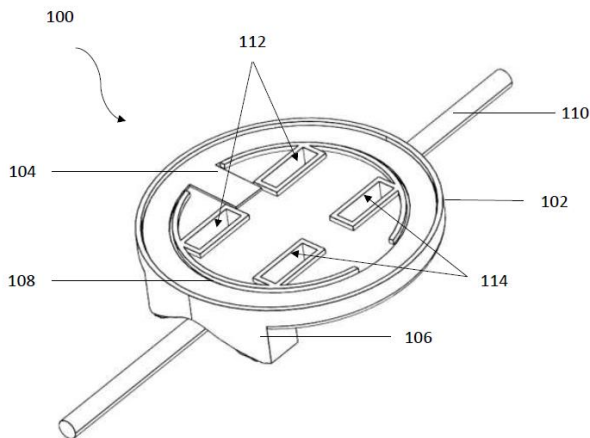
00: -  
 The invention relates to a pecan nut kernel extraction method including the steps of sizing pecan nuts from which kernels are to be extracted to have a maximum diameter size variation of 8mm; controlling the moisture content of the shells of the pecan nuts to within a shell moisture control range of 3% to 30%; heating the kernels to a temperature of between 20°C and 100°C; pre-cracking the shells; immersing the nuts in liquid nitrogen, or the like, for between 5 and 15 seconds; and cracking the shells within no more than 15 seconds from completing the cryogenic fluid immersion step to substantially separate the shells from the kernels. The method also includes performing the steps in the absence of a pre-cracking step and in the absence of the cryogenic fluid immersion step.



21: 2021/07166. 22: 2021/09/27. 43: 2022/10/19  
 51: B65C; H04W  
 71: FRANCOIS JOHANNES JACOB, BOTHA  
 72: BOTHA, JACOB JOHANNES FRANCOIS,  
 NETO, MICAEL

**54: AN ELECTRONIC CABLE TAG**

00: -  
 An electronic cable tag, said cable tag including one or more of the following: an antenna base; an antenna; and an antenna cap. An electronic cable tag wherein both the antenna base and the antenna cap respectively define two ingress and two egress cavities each. An electronic cable tag wherein said two ingress and two egress cavities are respectively positioned at the upper left, upper right, lower left and lower right corner of the antenna base and the antenna cap, in use. An electronic cable tag wherein said two ingress and two egress cavities are strategically aligned for cable ties to ingress and egress in a linear manner and/or along a straight line, in use.

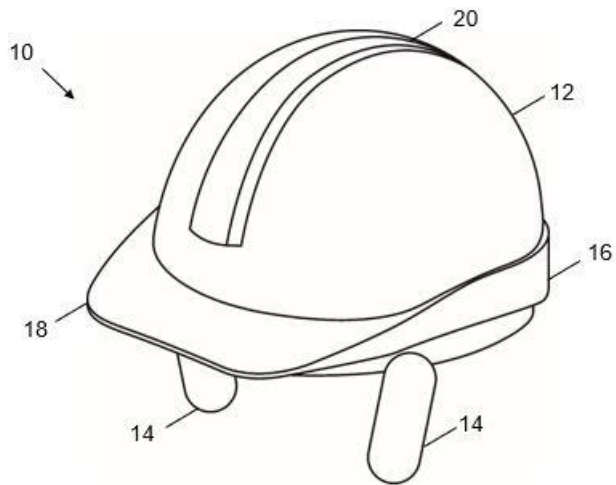


21: 2021/07413. 22: 2021/10/01. 43: 2022/11/16  
 51: A42B  
 71: ISITECH (PTY) LTD  
 72: PARKIN, Norman Frederick, CESAREAN, Diana

33: ZA 31: 2020/04062 32: 2020-07-03

**54: PROTECTIVE HEADGEAR**

00: -  
 Protective headgear and a protective headgear kit are disclosed. The protective headgear comprises a helmet, a power source, and at least one proximity sensor configured to detect when a wearer is wearing protective eyewear. The proximity sensor is in communication with a computing unit configured to receive output data from the proximity sensor. The kit further includes protective eyewear with a detector configured to be operatively detected by the proximity sensor when in proximity thereto.

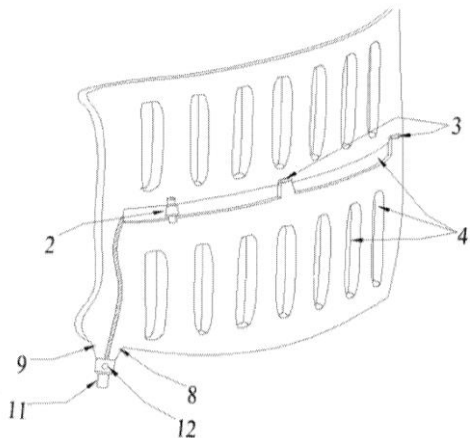


21: 2021/07434. 22: 2021/10/01. 43: 2022/11/21  
 51: A61F  
 71: STAALI, Amine, GUESSOUM, Souheil  
 72: STAALI, Amine, GUESSOUM, Souheil  
 33: US 31: 62/812,985 32: 2019-03-02

**54: A MULTICHAMBERED URINE COLLECTION DEVICE**

00: -  
 A user friendly multi-chambered flat urine collection device comprising an inlet port having a non-return valve, an upper chamber further divided into a plurality of vertical chambers, a lower chamber further divided into a plurality of vertical chambers, a plurality of breathing open areas intervening said upper, lower and vertical chambers, and a drainage tube. The inlet port is positioned at top of the upper chamber, said inlet port in turn is removably connected to a catheter. The breathing open areas between the vertical chambers of said upper and lower chambers allow the urine collection device to conform to shape of patient body. Moreover, the

chambers distribute the weight of collected urine equally to avoid a bulging effect. Alternately, the urine collection device has absorbent layer insert to absorb the bodily discharge.



21: 2021/07513. 22: 2021/10/06. 43: 2022/11/08  
51: A61K A61P  
71: QUANTUM GENOMICS, INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, COLLEGE DE FRANCE

72: BALAVOINE, Fabrice, COMPERE, Delphine, KECK, Mathilde, MARC, Yannick, LLORENS-CORTES, Catherine, BOITARD, Solène, E.

33: EP 31: 19305286.7 32: 2019-03-11

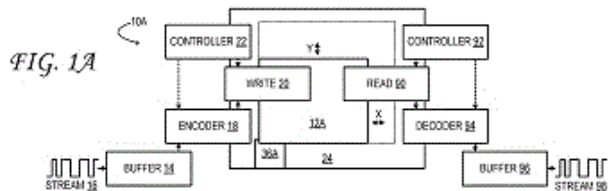
**54: COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME FOR TREATING HYPERTENSION OR HEART FAILURE**

00: -  
The present invention relates to compounds, to compositions comprising the same, to methods for preparing the compounds, and the use of these compounds in therapy. In particular, the present invention relates to a compound that is useful in the treatment and prevention of primary and secondary arterial hypertension, ictus, myocardial ischaemia, cardiac and renal insufficiency, myocardial infarction, peripheral vascular disease, diabetic proteinuria, Syndrome X and glaucoma.

21: 2021/07557. 22: 2021/10/07. 43: 2022/11/09  
51: G11B  
71: MICROSOFT TECHNOLOGY LICENSING, LLC  
72: BLACK, RICHARD JOHN, ANDERSON, PATRICK NEIL, DREVINSKAS, ROKAS,

DONNELLY, AUSTIN NICHOLAS, WILLIAMS, HUGH DAVID PAUL  
33: US 31: 16/408,374 32: 2019-05-09  
**54: HIGH-DENSITY OPTICAL DATA RECORDING**  
00: -

A method to record data in a solid substrate comprises modulating a polarization angle of a coherent optical pulsetrain, and, while the polarization angle is being modulated, focusing the coherent optical pulsetrain on a locus moving through the solid substrate at a relative velocity. Here the relative velocity, a width of the locus in a direction of the relative velocity, and a rate of modulation of the polarization angle are such that the substrate receives within the width of the locus two or more pulses of the optical pulsetrain differing in polarization angle. In this manner, the two or more pulses record, in different portions of the substrate within the width of the locus, two or more different symbols.



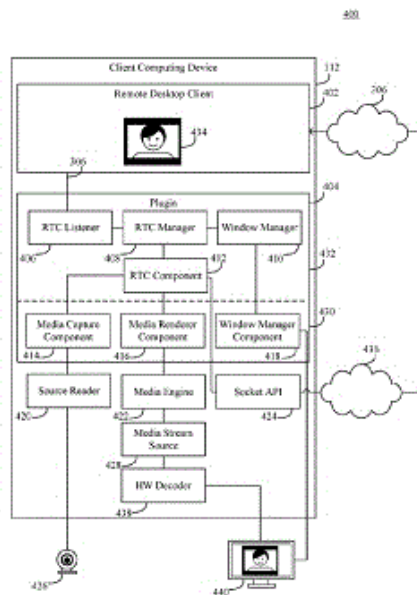
21: 2021/07558. 22: 2021/10/07. 43: 2022/11/09  
51: G06F; H04L  
71: MICROSOFT TECHNOLOGY LICENSING, LLC  
72: HINNANT, NEIL R, HOWARD, MATTHEW C, VERTIDO, RAFAEL VINCENT PRIETO  
33: US 31: 16/414,160 32: 2019-05-16

**54: ADAPTABLE REAL-TIME COMMUNICATIONS PLUGIN FOR VIRTUAL DESKTOP INFRASTRUCTURE SOLUTIONS**

00: -  
A plugin works with a remote desktop client that is executing on a client computing device to present a user interface of a communications application that is executing in a cloud computing environment. The plugin enables the remote desktop client to conduct audio and/or video communication with a remote computing device in a peer-to-peer manner rather than via the communications application. The plugin also enables the remote desktop client to determine a hardware-based media processing capability of the client computing device and leverage such capability in conducting the peer-to-peer audio and/or video



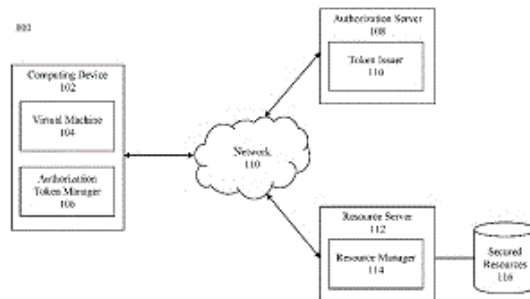
communication with the remote computing device. Such hardware-based media processing capability may be used, for example, to process media received from the remote computing device, to process media captured from a media source of the client computing device, or as a basis for negotiating a media communication parameter with the remote computing device.



21: 2021/07559. 22: 2021/10/07. 43: 2022/11/09  
 51: G06F; H04L  
 71: MICROSOFT TECHNOLOGY LICENSING, LLC  
 72: SCHWARTZ, JONATHAN DAVID, TARNOUSKAYA, ANASTASIYA  
 33: US 31: 16/415,690 32: 2019-05-17  
**54: MITIGATION OF RANSOMWARE IN INTEGRATED, ISOLATED APPLICATIONS**

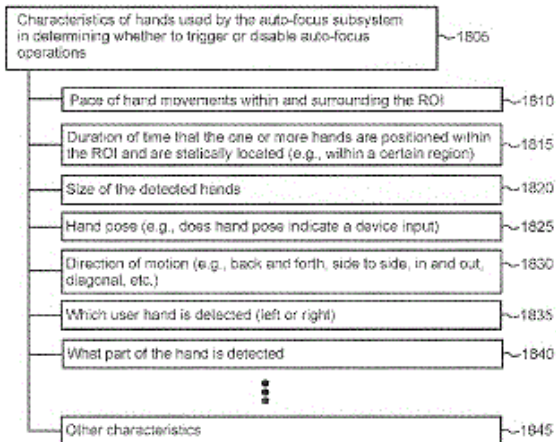
00: -  
 Methods, systems, apparatuses, and computer program products are provided for enabling access to a resource in a secured manner. A token request from an application executing in a first computing environment may be received in a second computing environment. The second computing environment may assign a trust level to the received token request that indicates that the first computing environment may not be trusted. The token request, along with the trust level, may be provided to an authorization server to generate an authorization token that includes a trust indication indicative of the trust level of the second computing environment. When the application executing in the second

computing environment transmits the authorization token to a resource manager to access a resource, the resource manager may be configured to perform a precautionary action to protect the resource prior to providing access, such as creating a backup of the resource.



21: 2021/07562. 22: 2021/10/07. 43: 2022/11/09  
 51: G06F; G02B; G03B; H04N  
 71: MICROSOFT TECHNOLOGY LICENSING, LLC  
 72: LEI, MARIA CHENG, JAIN, VISHAL, DANGI, VIKRAMADITYA  
 33: US 31: 16/427,398 32: 2019-05-31  
**54: TECHNIQUES TO SET FOCUS IN CAMERA IN A MIXED-REALITY ENVIRONMENT WITH HAND GESTURE INTERACTION**

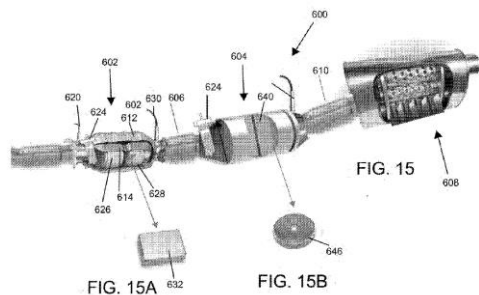
00: -  
 An adjustable-focus PV (picture/video) camera in a mixed-reality head-mounted display (HMD) device operates with an auto-focus subsystem that is configured to be triggered based on location and motion of a user's hands to reduce the occurrence of auto-focus hunting during camera operations. The HMD device is equipped with a depth sensor that is configured to capture depth data from the surrounding physical environment to detect and track the user's hand location, movements, and gestures in three-dimensions. The hand tracking data from the depth sensor may be assessed to determine hand characteristics - such as which of the user's hands or part of a hand is detected, its size, motion, speed, etc. - within a particular region of interest (ROI) in the field of view of the PV camera. The auto-focus subsystem uses the assessed hand characteristics as an input to control auto-focus of the PV camera to reduce auto-focus hunting occurrences.



21: 2021/07669. 22: 2021/10/11. 43: 2022/11/21  
 51: B01D; B01J; F01N  
 71: ECC TEC MSJ INCORPORATED  
 72: AKYILDIZ, Saban  
 33: US 31: 16/664,172 32: 2019-10-25  
 33: US 31: PCT/US2019/063387 32: 2019-11-26  
 33: US 31: 16/625,074 32: 2019-12-20

**54: EXHAUST SYSTEM AND FEATURES THEREOF**

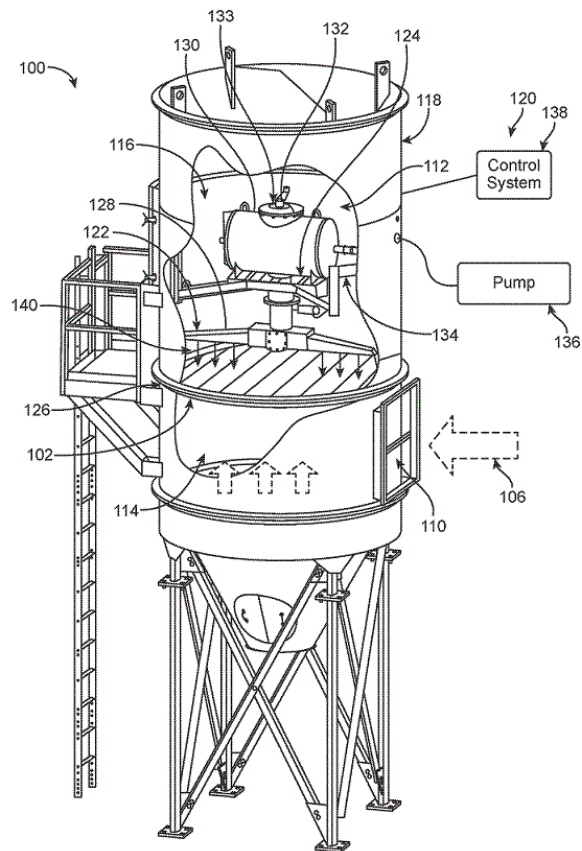
00: -  
 An exhaust system that includes a catalytic converter, selective catalytic reduction system, a muffler and, for certain applications, a diesel particulate filter that each include at least one filter that has an electric heating element, a metallic coating and a plurality of metal rods extending therethrough. The combination of elements are configured to heat the internal housings of the exhaust system and disrupt the direction of flow of exhaust gases which contain harmful toxic gases and pollutants and aid in removing and/or reducing said toxic gases and pollutants.



21: 2021/07916. 22: 2021/10/18. 43: 2022/11/21

51: B01D  
 71: DONALDSON COMPANY, INC.  
 72: GRAHAM, Stephan, A., JOHNSON, Steven, A.  
 33: US 31: 62/820,394 32: 2019-03-19  
**54: PULSE DELIVERY CLEANING SYSTEMS AND METHODS**

00: -  
 A filter system includes a tube sheet defining a plurality of holes in fluid communication with a plurality of filter bags. The system also includes a rotating assembly having an arm defining one or more outlets to provide pressurized air from an air source toward the tube sheet in response to pulsing one or more actuators. A motor is operably coupled to the stationary assembly and the rotating assembly to rotate the arm about an axis at a preset rotational speed. A controller is operably coupled to the motor and the one or more actuators to provide pulse commands based on a pulse interval and a jog interval. The pulse interval and the jog interval may be determined based on a measured rotational speed of the arm, which may be redetermined during operation.



21: 2021/07946. 22: 2021/10/18. 43: 2022/11/25  
 51: A61K  
 71: FUNDACIÓ PRIVADA INSTITUT D'INVESTIGACIÓ ONCOLÒGICA DE VALL HEBRON, INSTITUCIÓ CATALANA DE RECERCA I ESTUDIS AVANÇATS, PEPTOMYC, S.L.  
 72: SOUCEK, LAURA, BEAULIEU, MARIE-EVE  
 33: EP 31: 19382195.6 32: 2019-03-19  
**54: METHODS FOR THE DIAGNOSIS OF LUNG CANCER**

00: -  
 The invention relates to the diagnostic uses of a conjugate comprising Omomyc or a functionally equivalent variant thereof and a detectable label for detecting lung cancer by pulmonary administration of the conjugate. The invention also relates to a method for detecting or imaging lung cancer using said conjugates, kits comprising said conjugates and conjugates comprising a contrast agent or an imaging agent.

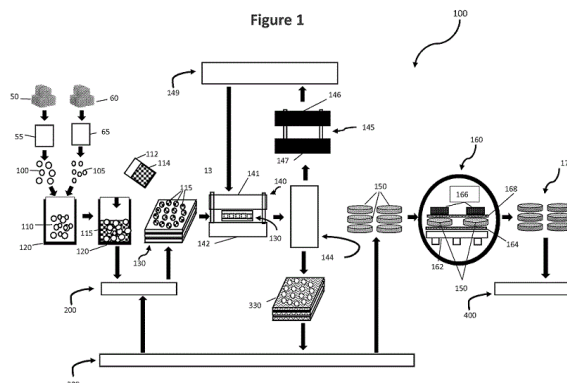
21: 2021/08201. 22: 2021/10/25. 43: 2022/11/21  
 51: B29C; B32B; B65D  
 71: KUHNE ANLAGENBAU GMBH  
 72: SCHIFFMANN, Jürgen Michael  
 33: DE 31: 10 2019 111 524.8 32: 2019-05-03  
**54: METHOD FOR PRODUCING A MULTI-LAYER COMPOSITE FILM, MULTI-LAYER COMPOSITE FILM, AND USE THEREOF**

00: -  
 Claimed is a method for producing a co-extruded, biaxially drawn composite film, using a novel combination of drawing and relaxing steps, and to a corresponding composite film with negligible, or no shrinkage.

21: 2021/08297. 22: 2021/10/27. 43: 2022/11/21  
 51: C01B H01B H01G H01M  
 71: CONTROLAMATICS CORPORATION  
 72: FAVETTA, Dino, CHEN, Tao, BOON, Eric, P.  
 33: US 31: 62/826,005 32: 2019-03-29  
**54: PROCESS FOR PRODUCING A HIGHLY ACTIVATED, MONOLITHIC NET-SHAPED BIOCHAR ELECTRODE**

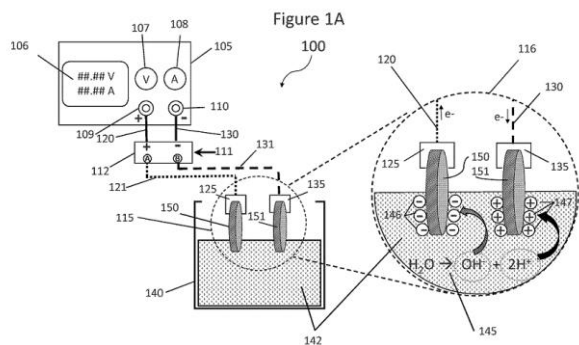
00: -  
 A method of fabricating a highly activated, highly porous, highly electrically conductive net-shaped monolithic electrode for use in an electrical energy storage device including an ultracapacitor, pseudo-capacitor, battery, or in an electricity producing device such as a fuel-cell or in a gas producing

device, such as a hydrogen generator or an oxygen generator.



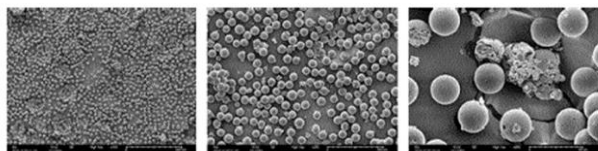
21: 2021/08298. 22: 2021/10/27. 43: 2022/11/21  
 51: C25B C01B H01G  
 71: CONTROLAMATICS CORPORATION  
 72: FAVETTA, Dino, CHEN, Tao, BOON, Eric, P.  
 33: US 31: 62/826,038 32: 2019-03-29  
**54: PROCESS FOR PRODUCING HIGHLY ACTIVATED ELECTRODE THROUGH ELECTRO-ACTIVATION**

00: -  
 A method for treating a carbonaceous biochar electrode with an applied electric potential and resulting electric current, while submerged in an electrolyte, is disclosed in order to increase the biochar electrode's pore surface area and pore hierarchy, to affect a cleaning of unwanted materials and compounds from within the electrode and to optionally plate materials onto the surface pores of the electrode, such as graphene or metals, thus increasing the energy storage capacity of the biochar electrode when used in an energy storage device. Exemplary applications include electrodes for ultra-capacitors, pseudo-capacitors, batteries, fuel cells and other absorbing and desorbing applications.



21: 2021/08300. 22: 2021/10/27. 43: 2022/11/21  
 51: A61K A61P  
 71: INVENTAGE LAB INC.  
 72: KIM, Ju Hee, KIM, Se Yeon  
 33: KR 31: 10-2019-0050437 32: 2019-04-30  
**54: SUSTAINED-RELEASE MICROPARTICLES CONTAINING DESLORELIN, AND PREPARATION METHOD THEREFOR**

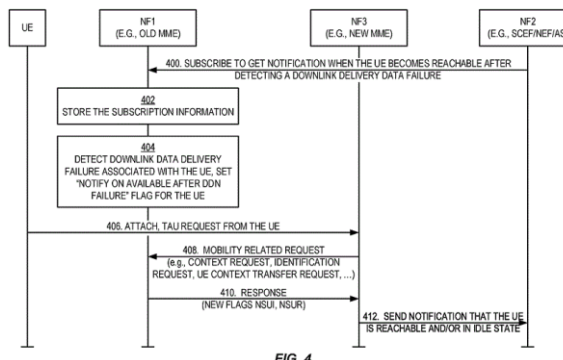
00: -  
 According to sustained-release microparticles containing deslorelin, and a preparation method therefor, of the present invention, sustained-release microparticles containing deslorelin in a formulation for subcutaneous administration are provided so that pain can be relieved during administration to animals, and a chemical castration effect can last for 2 to 36 months. In addition, the present invention is effective as a chemical castration agent for 2 to 8 months so as to have an excellent effect of removing boar taint.



21: 2021/08302. 22: 2021/10/27. 43: 2022/11/21  
 51: H04W  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: YANG, Yong, XU, Wenliang, LU, Yunjie  
 33: CN 31: PCT/CN2019/080136 32: 2019-03-28  
**54: TRANSFERRING MONITORING EVENT INFORMATION DURING A MOBILITY PROCEDURE**

00: -  
 Methods and systems for transferring monitoring event information during a mobility procedure are

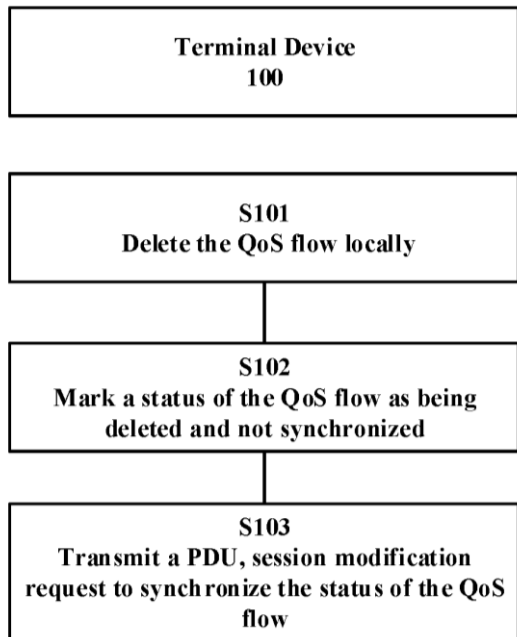
provided. According to one aspect, a method for transferring monitoring event information during a mobility procedure comprises, at a first network node: receiving and storing subscription information indicating that a second network node has subscribed to get notification when there is a data delivery failure involving a User Equipment (UE), followed by the UE becoming reachable; detecting a data delivery failure involving the UE, and setting a flag to indicate that a data delivery failure involving the UE has occurred; receiving, from a third network node, a mobility related request; sending, to the third network node, a response to the mobility related request, comprising an indication that the third network node should notify the second network node when the UE becomes reachable and/or when then UE enters the IDLE state.



21: 2021/08303. 22: 2021/10/27. 43: 2022/11/21  
 51: H04W H04L  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: GAN, Juying, CHEN, Qian, HEDMAN, Peter, WASS, Mikael, ROMMER, Stefan  
 33: CN 31: PCT/CN2019/080612 32: 2019-03-29  
**54: METHOD, APPARATUS FOR SYNCHRONIZATION OF STATUS OF QOS FLOW IN COMMUNICATION SYSTEM**

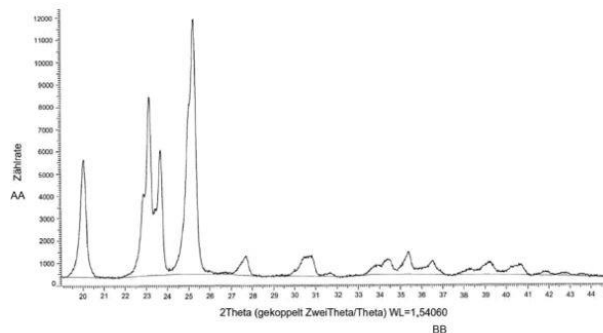
00: -  
 The present disclosure relates to a method, an apparatus for a synchronization of a status of a QoS flow in a communication system. A method is performed at a terminal device, for a synchronization of a status of a quality of service, QoS, flow in a communication system. The method comprises: deleting (S101) the QoS flow locally; marking (S102) a status of the QoS flow as being deleted and not synchronized; and transmitting (S103) a protocol

data unit, PDU, session modification request to synchronize the status of the QoS flow. According to embodiments of the present disclosure, when the status of the QoS Flow is changed by one of the terminal device or the network side in some scenarios, the status of the QoS Flow can still be synchronized.



21: 2021/08515. 22: 2021/11/02. 43: 2022/12/06  
 51: A23K; C07C  
 71: Alzchem Trostberg GmbH  
 72: Thomas GÜTHNER, Franz THALHAMMER, Jürgen SANS  
 33: DE 31: 10 2019 118 893.8 32: 2019-07-12  
 33: DE 31: 10 2019 118 894.6 32: 2019-07-12  
**54: METHOD FOR PRODUCING A METASTABLE CRYSTAL MODIFICATION OF N-(AMINOIMINOMETHYL)-2-AMINOETHANOIC ACID (III)**  
 00: -

The invention relates to a new crystal modification of N-(aminoiminomethyl)-2-aminoethanoic acid, to crystal mixtures and to a method for producing the crystal modification and the crystal mixtures according to the invention.

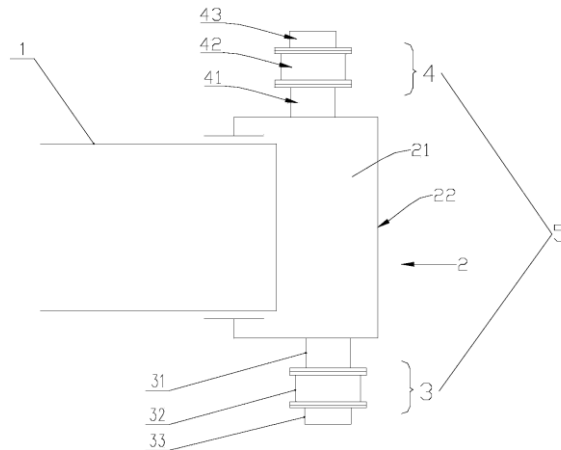
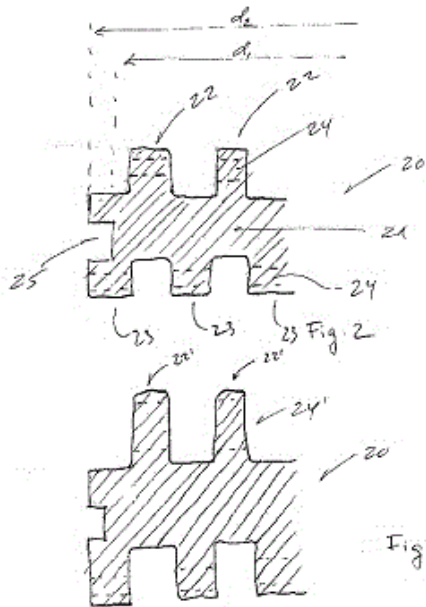


Figur 2

AA Counting rate  
 BB 2Theta (coupled TwoTheta/Theta) WL = 1.54060

21: 2021/08532. 22: 2021/11/02. 43: 2022/11/04  
 51: B65G  
 71: AMMERAAL BELTECH MODULAR A/S  
 72: WESTERGAARD ANDERSEN, KENNETH, BUTER, GERM  
 33: DK 31: PA 2019 70287 32: 2019-05-03  
**54: MODULAR CONVEYOR BELT LINK**  
 00: -

Modular conveyor belt link, of the type used in endless conveyor belts assembled from a plurality of such modular conveyor belt links, where the modular conveyor belt link has a main body extending in the modular belt link's width direction, and where a plurality of eye parts extend forwards and rearwards from said main body, said eye parts being spaced in the width direction of the modular belt link, where forwards extending eye parts are offset relative to rearwards extending eye parts, such that when two modular conveyor belt links are pushed together the eye parts on one link will inter-fit between eye parts on the other modular belt link, characterized in that the modular belt link laterally is limited by two sides, and that the outermost eye parts on either side are provided with a cutout, such that the width of the modular conveyor belt link is smaller in the cutout than outside the cutout.



21: 2021/08968. 22: 2021/11/11. 43: 2022/11/21  
 51: F16J; F27B  
 71: HENAN LONGCHENG COAL HIGH EFFICIENCY TECHNOLOGY APPLICATION CO., LTD.

72: ZHU, Shucheng, WANG, Xibin, LV, Yanwu, LI, Jinfeng, LI, Fang, WANG, Yongxing

33: CN 31: 202010253033.2 32: 2020-04-01

**54: ROTARY KILN SEALING SYSTEM AND ROTARY KILN EQUIPMENT**

00: -

A rotary kiln sealing system and rotary kiln equipment, relating to the technical field of sealing. The rotary kiln sealing system comprises a first housing (3212) and a second housing (3222). The second housing (3222) is annularly disposed outside the first housing (3212) in space, and a first gap is left between the first housing (3212) and the second housing (3222). An elastic compensation joint (323) is disposed outside the second housing (3222).

21: 2021/09070. 22: 2021/11/15. 43: 2022/11/08  
 51: A61K; A61P

71: Aerovate Therapeutics, Inc.

72: DAKE, Ben, NIVEN, Ralph, LEVIN, Andrew D.

33: US 31: 62/849,054 32: 2019-05-16

33: US 31: 62/849,058 32: 2019-05-16

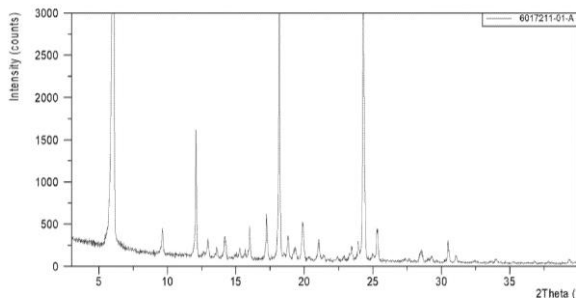
33: US 31: 62/849,059 32: 2019-05-16

33: US 31: 62/849,056 32: 2019-05-16

**54: IMATINIB FORMULATIONS, MANUFACTURE, AND USES THEREOF**

00: -

The invention relates to inhalable imatinib formulations, manufacture, and uses thereof. Compositions and methods of the invention address problems with imatinib-based PAH treatments through the use of specialized formulations and delivery mechanisms. Particularly the invention recognizes that crystalline form and polymorph composition of drugs like imatinib and salts thereof can have significant effects on drug solubility, delivery, absorption, and metabolism.



21: 2021/09639. 22: 2021/11/26. 43: 2022/12/07

51: A61M

71: SEDANA MEDICAL LIMITED

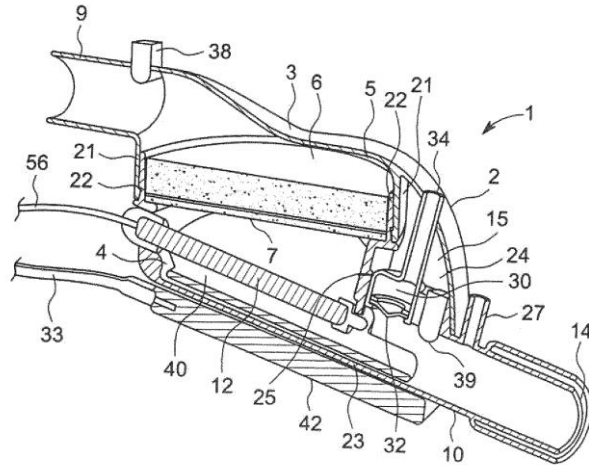
72: FARRELL, Ronald Martin, CAREY, Pauric, HENNESSY, Harry

33: EP 31: 19177739.0 32: 2019-05-31

**54: ACTIVE AND PASSIVE HUMIDIFICATION DEVICE FOR MOUNTING IN A PATIENT VENTILATION CIRCUIT**

00: -

An active and passive humidification device (1) for mounting in a patient ventilation circuit included a housing (2) having a ventilator chamber (3) and an associated patient chamber (4) communicating with the ventilator chamber (3) through a gas permeable filter (5) mounted between the ventilator chamber (3) and the patient chamber (4). This filter (5) forms a passive humidifier which is operable in use to capture and reflect heat and moisture received from a patient back to the patient. The ventilator chamber (3) has a ventilator connector port (9) for connection to a ventilator. The patient chamber (4) has a patient connector port (10) for connection to a patient breathing tube (13). A humidity generating device (15) is integrated in the housing (2) and is operable to control the humidity of air delivered from the patient chamber (4) through the patient connector port (10) to a patient and provides for active humidification of the breathing air. The humidity generating device (15), an air flow sensor (38), a temperature sensor (39) and a ceramic heater plate (40) of the device (1) are all connected to an associated controller which regulates operation of the humidity generating device (15) and heater plate (40) to maintain air at a desired temperature and humidity for delivery from the patient chamber (4) to a patient.



21: 2021/09736. 22: 2021/11/29. 43: 2022/11/16  
51: B01D

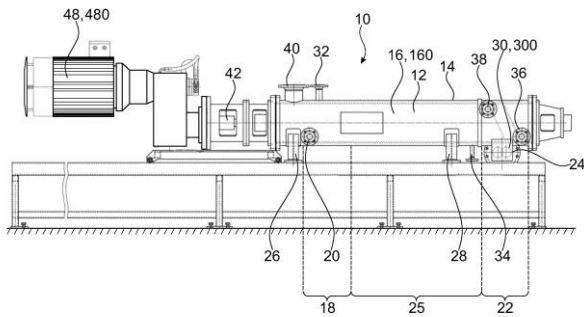
71: Aurotec GmbH, Buss-SMS-Canzler GmbH  
72: ZIKELI, Stefan, KITZLER, Hannes, ZAUNER, Philipp, AIGNER, Paul, LONGIN, Michael, NAEF, Rainer

33: EP(CH) 31: 19179678.8 32: 2019-06-12

**54: THIN-LAYER TREATMENT DEVICE**

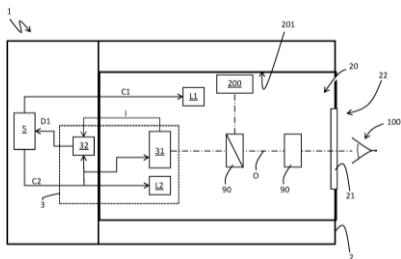
00: -

The present invention relates to a thin-layer treatment device for treating viscous material. The thin-layer treatment device according to the invention comprises: a process housing (12) inclined to the horizontal by a maximum of 20° and having a heatable and/or coolable housing cover (14) that encloses a housing interior (16) forming a material treatment chamber (160); an inlet port (20) arranged in an inlet zone (18) of the process housing (12) for introducing the material to be treated into the material treatment chamber (160); an outlet port (24) arranged in an outlet zone (22) of the process housing (12) for removing the treated material from the material treatment chamber (160); and a drivable rotor shaft (44) arranged in the material treatment chamber (160) and extending coaxially for creating a material film on the housing cover inner surface (15) and for feeding the material in the direction towards an outlet zone (22). According to the invention, the rotor shaft (44) comprises at least one buoyancy element (56) which is arranged on the rotor shaft body (50) and is designed to create a buoyant force in the direction towards the rotor shaft body (50) during the rotation of the rotor shaft (44).



21: 2021/09745. 22: 2021/11/29. 43: 2022/11/21  
 51: A61B; A61N  
 71: ADAPTICA S.R.L.  
 72: BACCO, Paolo, CAPRARO, Ivan, MENEGHINI, Gianluigi  
 33: IT 31: 102019000003127 32: 2019-03-04  
**54: IMPROVED OPHTHALMIC APPARATUS**  
 00: -

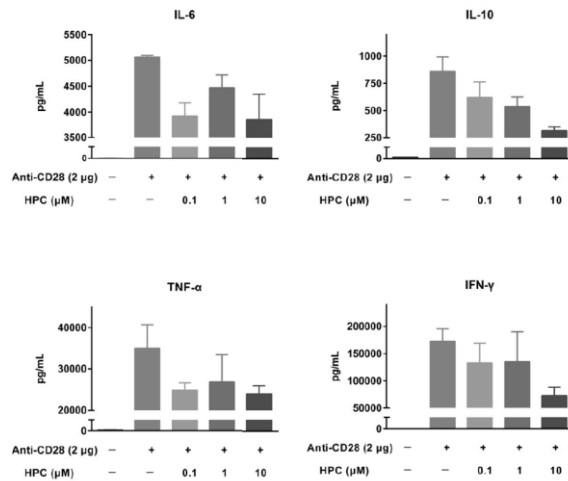
The present invention relates to an ophthalmic apparatus for examining the eyes of a patient. The ophthalmic apparatus comprises a housing (2) arranged in such a way to define at least a chamber (20). The housing comprises at least an observation opening (21) adapted to allow a patient to observe an internal volume of said at least a chamber along at least a corresponding predefined optical path (O). The ophthalmic apparatus comprises regulation means capable of continuously regulating the pupil diameter of at least an eye (100) of the patient.



21: 2021/09797. 22: 2021/11/30. 43: 2022/11/21  
 51: A61K; A61P  
 71: SHENZHEN EVERGREEN THERAPEUTICS CO., LTD.  
 72: Tao, HU, Tao Tom, DU, Xin, DU  
 33: CN 31: 2020114975411 32: 2020-12-17  
**54: PROGESTOGEN FOR USE IN THE TREATMENT OF CYTOKINE RELEASE SYNDROME**  
 00: -

Disclosed is use of hydroxyprogesterone caproate in the manufacture of a medicament for inhibiting

cytokine storm, in particular cytokine release from PBMCs induced by anti-CD28 antibody and/or anti-CD3 antibody. The results show that hydroxyprogesterone caproate could inhibit various cytokines release from PBMCs induced by anti-CD28 antibody and/or anti-CD3 antibody in a concentration-dependent manner, and could be a potential drug for the treatment of cytokine storm.



21: 2021/10335. 22: 2021/12/13. 43: 2022/11/30  
 51: A61F; A61H  
 71: HO, HOI MING MICHAEL  
 72: HO, HOI MING MICHAEL  
 33: US 31: 17/147,448 32: 2021-01-12  
 33: CN 31: 202011467755.4 32: 2020-12-14  
**54: INFLATABLE NECK TRACTION DEVICE**  
 00: -

An inflatable neck traction device includes a supporting portion and a bearing portion. The height of the top surface of the bearing portion is lower than that of the supporting portion. The supporting portion has a neck support body and two shoulder abutting bodies, and can be provided therein with a first airbag and two second airbags. An inflation device can be connected to the airbags. When a user rests on the device in a supine position, the top surface of the neck support body supports the neck, and the shoulder abutting bodies abut against the shoulders. The inflation device inflates or deflates the airbags to displace the neck support body along a first axis and the shoulder abutting bodies along a second axis to change the force exerted by the neck support body and shoulder abutting bodies on the neck and shoulders to achieve cervical traction effects.



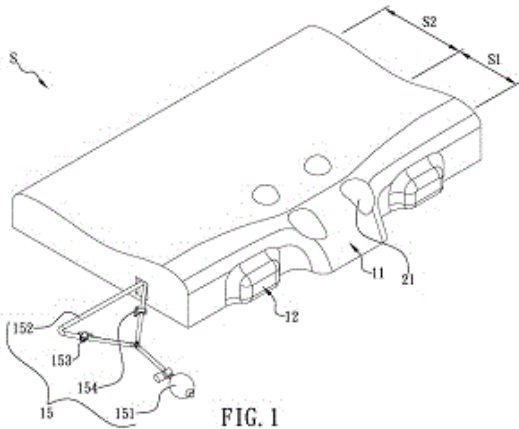
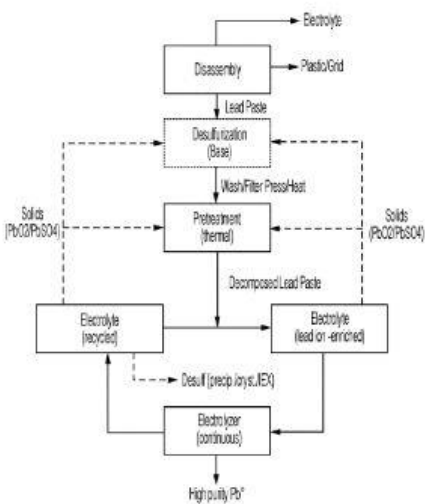


FIG. 1

21: 2021/10506. 22: 2021/12/15. 43: 2022/06/21  
 51: C22B; H01M  
 71: AQUA METALS INC.  
 72: MOHANTA, Samaresh, HUFFORD, Joshua  
 33: US 31: 62/860,928 32: 2019-06-13  
**54: SYSTEMS AND METHODS FOR AQUEOUS RECOVERY OF LEAD FROM LEAD ACID BATTERIES WITH REDUCED ELECTROLYTE DEMAND**

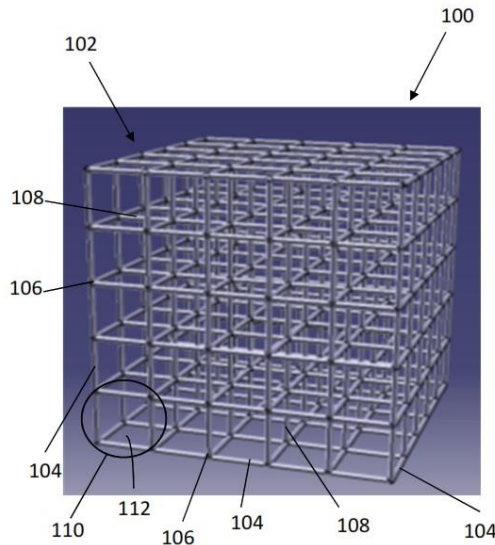
00: -  
 Lead is recovered from lead paste of a lead acid battery in a continuous and electrochemical lead recovery process. In especially preferred aspects, lead paste is processed to remove residual sulfates, and the so treated lead paste is subjected to a thermal treatment step that removes residual moisture and reduces lead dioxide to lead oxide. Advantageously, such pretreatment will avoid lead dioxide accumulation and electrolyte dilution.



21: 2022/01882. 22: 2022/02/14. 43: 2022/09/12  
 51: B01J; B65D  
 71: THE STATE OF ISRAEL, MINISTRY OF AGRICULTURE & RURAL DEVELOPMENT AGRICULTURAL RESEARCH ORGANIZATION  
 72: ASSOULINE, Shmuel, NARKIS, Kfir  
 33: US 31: 62/872,711 32: 2019-07-11  
 33: US 31: 62/967,622 32: 2020-01-30  
 33: WO 31: PCT/IB2020/056545 32: 2020-07-13

**54: SUPPRESSION OF WATER EVAPORATION USING FLOATING LATTICE-LIKE STRUCTURES**

00: -  
 A floating element configured for inhibiting wind flow across a body of liquid so as to suppress liquid evaporation including: a lattice-like structure configured for floating in the body of liquid, the lattice-like structure includes a plurality of elongated portions and joints and a plurality of inner connections configured for creating a plurality of substructure components joined to one another so as to form at least substantially a cubic structure.

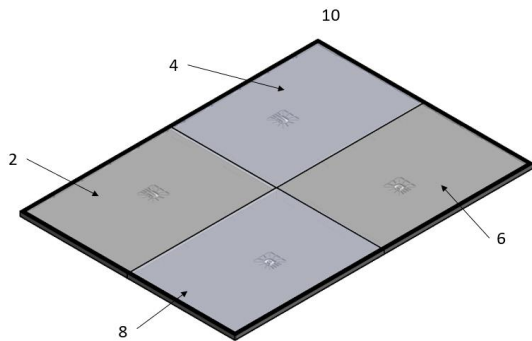


21: 2022/02193. 22: 2022/02/18. 43: 2022/12/07  
 51: A63F; B65B  
 71: Pinnacle Puzzle Pty Ltd  
 72: Daniel DE CIANNI  
 33: AU 31: 2021900408 32: 2021-02-18

**54: A PUZZLE CASE**

00: -  
 A puzzle case that allows for a puzzle to be displayed including a top and bottom panel that when connected together define a cavity that can hold a puzzle. Typically, each panel comes in four sections that are adapted to be connected and then attached to each other to define a space or cavity to

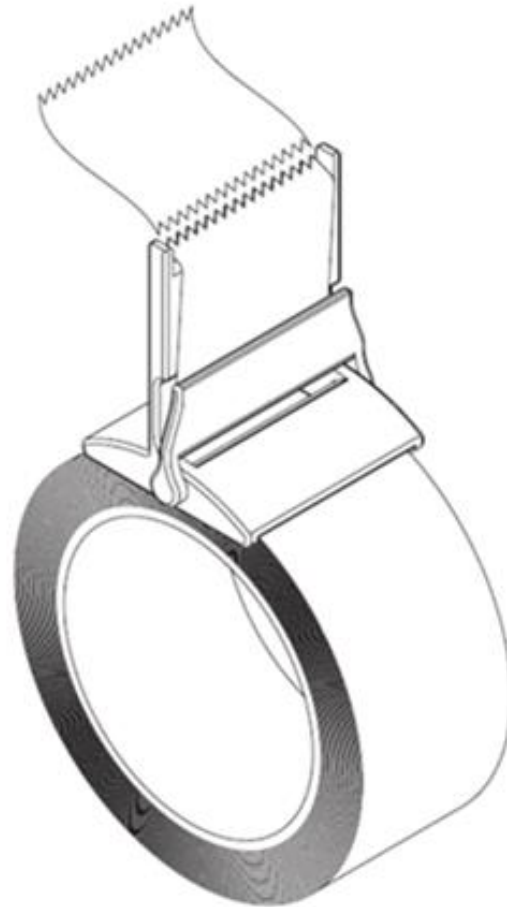
hold a jigsaw puzzle. Mounting points allow for the assembled case to be hung up.



21: 2022/03029. 22: 2022/03/14. 43: 2022/09/08  
 51: B65H  
 71: MIJOVY (PTY) LIMITED  
 72: MARTHINUS JOHANNES VAN DER VYVER  
 33: ZA 31: 2019/06119 32: 2019-09-17

**54: TAPE DISPENSER**

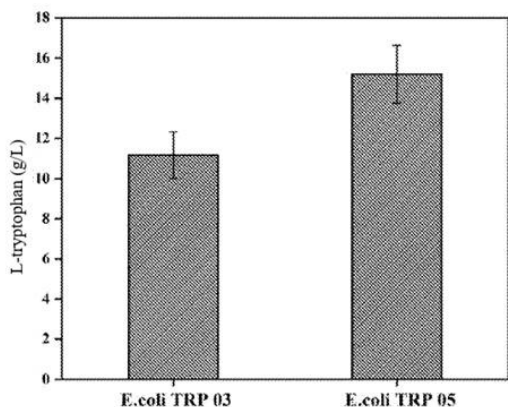
00: -  
 The invention provides a manually operated tape dispenser for dispensing a roll of tape which is wound around a spool. The tape dispenser comprises a base configured to rest atop the outer circumference of the roll of tape such that the base is slidingly displaceable relative to the roll of tape; an elongate slot extending through the base through which a free end of tape protrudes; a locating tab extending from the base and positioned to guide the free end of tape away from the roll of tape; and cutting means for severing a length of tape; wherein a length of tape is guided by the locating tab towards the cutting means and the tape is severed by pressing the cutting means through the tape.



21: 2022/03348. 22: 2022/03/22. 43: 2022/09/14  
 51: C07K; C12N; C12P  
 71: NINGXIA EPPEN BIOTECH CO LTD, TIANJIN UNIVERSITY OF SCIENCE & TECHNOLOGY  
 72: XIE XIXIAN, XIONG BO, ZHAO CHUNGUANG, GUO XIAOWEI, MEN JIAXUAN, WEI AIYING  
 33: WO 31: PCT/CN2019/112848 32: 2021-03-11  
 33: CN 31: 201910828913.5 32: 2019-09-03  
 33: CN 31: 2019112848W 32: 2019-10-23

**54: APPLICATION OF TRANSPORT CARRIER GENE WHICH IMPROVES L-TRYPTOPHAN PRODUCTION EFFICIENCY IN ESCHERICHIA COLI**

00: -  
 A transport protein coding gene, and a method for efficient production of L-tryptophan by a strain containing the gene. Specifically, by heterologous expression of ywkB gene from Bacillus subtilis on the genome of Escherichia coli, L-tryptophan production efficiency of the strain can be improved. Performing shake flask fermentation with the strain can accumulate 15.2 g/L of L-tryptophan within 24 h, which is 35% higher than a control strain.



21: 2022/03710. 22: 2022/03/31. 43: 2023/01/12  
51: G01N

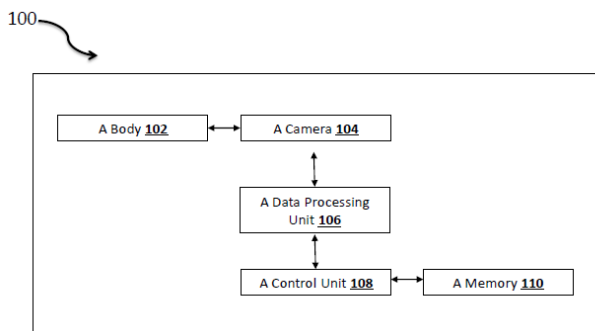
71: Priyank JAIN, Anjna Jayant DEEN, Hema DUBEY, Sonika SHRIVASTAVA, Raju BARSKAR, Afreen KHURSHEED

72: Priyank JAIN, Anjna Jayant DEEN, Hema DUBEY, Sonika SHRIVASTAVA, Raju BARSKAR, Afreen KHURSHEED

**54: A PORTABLE CROP DISEASE DETECTION DEVICE**

00: -

The present invention generally relates to a portable crop disease detection device comprises a body having a camera for capturing an image of diseased leaf; a data processing unit for removing noise from the captured images thereby performing a data augmentation on the filtered image, wherein the image is converted into an array; and a control unit comprises a convolutional neural network technique for detecting a type of disease and area of the leaf having disease on a display, wherein the convolutional neural network technique compares the array with a trained set of images.



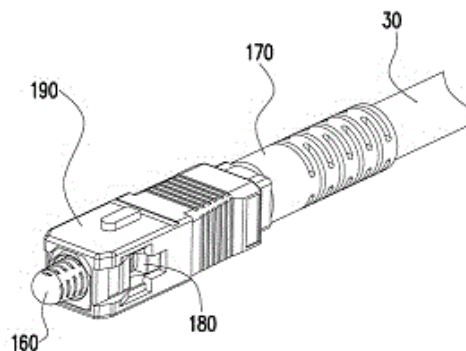
21: 2022/04008. 22: 2022/04/08. 43: 2022/11/11  
51: G02B

71: ACON OPTICS COMMUNICATIONS INC.  
72: WU, JIA RONG, HSU, TSUNG YAO  
33: TW 31: 110203921 32: 2021-04-12

**54: OPTIC FIBER CONNECTOR**

00: -

The disclosure provides an optic fiber connector, including a ferrule, a holder, a connector body having a plurality of first locking slots, a spring sleeved onto the holder, and a retainer having a plurality of locking hooks. The ferrule is assembled to the holder. The spring, the holder, and the ferrule are received in a space formed between the retainer and the connector body by locking the locking hooks with the locking slots respectively, wherein the spring is compressed by locking such that the retainer, the holder, the spring, and the connector body are abutted with each other.



100

21: 2022/04031. 22: 2022/04/08. 43: 2022/10/26  
51: B01D; C07C

71: Kellogg Brown & Root LLC

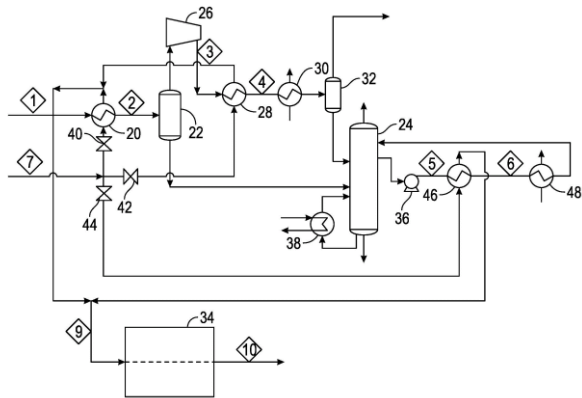
72: REYNEKE, Rian

33: US 31: 62/898,439 32: 2019-09-10

**54: REFRIGERATION RECOVERY FROM REACTOR FEED IN A PROPANE DEHYDROGENATION SYSTEM**

00: -

A method to recover refrigeration credit from propane feed to a propane dehydrogenation reactor by fully condensing a Depropanizer overhead stream, letting the condensed stream down in pressure, and vaporizing the stream at lower pressure against process streams to recover refrigeration credit.



21: 2022/04073. 22: 2022/04/11. 43: 2022/10/17  
 51: A61B; A61N; G16H

71: ROHERA, Hemant Karamchand

72: ROHERA, Hemant Karamchand

33: IN 31: 201921036412 32: 2019-09-10

**54: A MEDICAL THERAPEUTIC DEVICE**

00: -

The present disclosure relates to the field of medicine and discloses a medical therapeutic device (100) for monitoring and treating medical condition of patients. The device (100) comprises an input unit (102), a plurality of sensors (104a-n), a control unit (106), a waveform generator unit (112), and a coupling means. The input unit (102) receives at least one input from a user. The sensors (104a-n) monitor a plurality of pre-determined parameters associated with the health of a patient generate detection signals based on the monitored parameters. The control unit (106) selects a program based on the input and the detection signals. The waveform generator unit (112) generates a therapeutic signal of pre-determined values of at least one of voltage, current, and frequency based on the selected program for facilitating treatment of medical condition corresponding to the selected program.

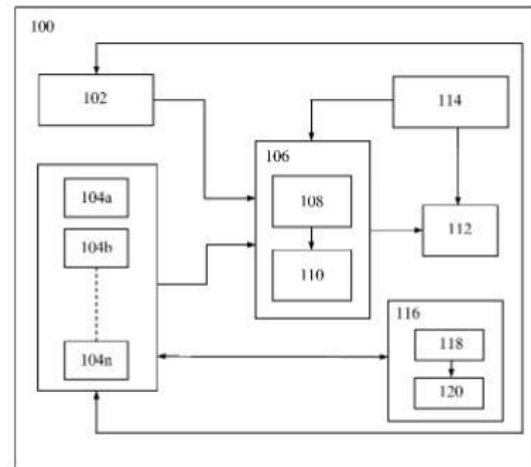


FIGURE 1

21: 2022/04125. 22: 2022/04/12. 43: 2022/10/19  
 51: B60D

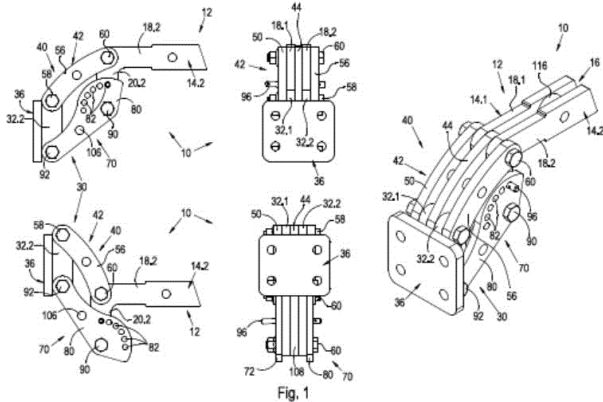
71: STYLE, Leon Edward

72: STYLE, Leon Edward

**54: ADJUSTABLE TOW BAR LOAD STABILISER**

00: -

An adjustable tow bar load stabiliser is provided, comprising a front vehicle fitting arrangement having a pair of spaced apart L-shaped vehicle fitting plates that define a gap therebetween, each L-shaped vehicle fitting plate comprising an operatively horizontally extending plate that extends towards the vehicle and an operatively downwardly extending plate that is spaced away from the vehicle. The tow bar load stabilizer further comprises a rear tow arrangement to receive a hitch of an accessory to be towed, the rear tow arrangement comprising a pair of spaced apart, operatively vertically extending tow support plates that define a gap therebetween, and a tow securing plate to which a tow ball can be secured to accommodate the hitch of the accessory. The load stabilizer further comprises a support and guiding arrangement between the front and rear arrangements, to mechanically connect the front and rear arrangements together and to allow the rear arrangement to be adjusted relative to the front arrangement.



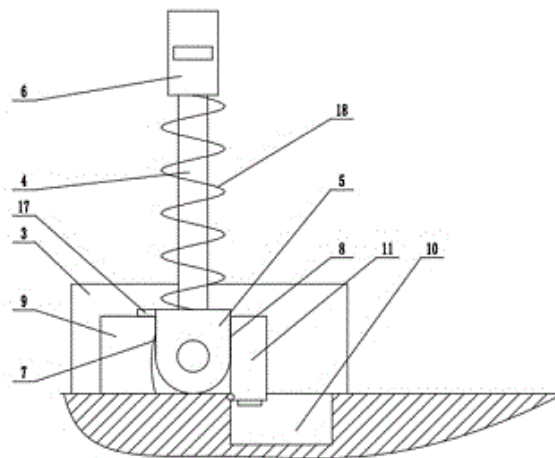
21: 2022/04252. 22: 2022/04/14. 43: 2022/10/25  
 51: A61K; C07K; A61P  
 71: BEIGENE, LTD.  
 72: JIANG, Beibei, LIU, Ye, SONG, Xiaomin  
 33: CN 31: PCT/CN2019/120040 32: 2019-11-21  
**54: METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-TIM3 ANTIBODIES**

00: -  
 Provided are methods of treating cancer or increasing, enhancing, or stimulating an immune response with non-competitive, agonist anti-OX40 antibodies and antigen-binding fragments thereof that bind to human OX40 (ACT35, CD134, or TNFRSF4), in combination with an anti-TIM3 antibody or antigen binding fragment thereof.

21: 2022/04358. 22: 2022/04/19. 43: 2022/11/11  
 51: B60P  
 71: STATE GRID HUZHOU POWER SUPPLY COMPANY, ZHEJIANG TAILUN POWER GROUP CO., LTD.  
 72: QIN, WEIXUN, XU, YONGSHENG, XU, JING, WU, JIAN, SHEN, XIAODONG, ZHOU, FENG, WU, XINLONG, SHEN, XIAOBIN, ZHANG, SIZE, CHEN, SHIJUN, WANG, ZHEN, CHAI, JIE, WU, XIAOXIAO, GU, JIN  
 33: CN 31: 202210009975.5 32: 2022-01-06  
**54: ELECTRIC POWER FACILITY EMERGENCY REPAIR TOOL VEHICLE**

00: -  
 Disclosed is an electric power facility emergency repair tool vehicle, which comprises a cab, a carriage and a lighting device; the lighting device comprises mounting bases, a wire pole, a rotary base and a lamp assembly, wherein a rotary shaft is bridged between the mounting bases, the rotary base is fixedly connected to the rotary shaft, and the

wire pole and the rotary base have a horizontal state and vertical state; a first positioning unit and a second positioning unit are provided on the top of the carriage; the rotary base has a first positioning surface and a second positioning surface, the first positioning unit comprises a first limiting platform, and the second positioning unit comprises a rotation limiting plate and positioning plates, wherein the rotation limiting plate is connected with a torsion spring, and the positioning plates can be supported on a lower end face of the rotation limiting plate; the electric power facility emergency repair tool vehicle further comprises a driving assembly, a first contact and a second contact, wherein a trigger signal can be generated and the driving assembly can be controlled to release the braking on the rotary shaft when the first contact and the second contact come into contact with each other. The electric power facility emergency repair tool vehicle provided by the present invention is highly adaptive to harsh working environments, the fixing stability of the lighting device is improved, and the overall service life of the lamp assembly is prolonged.



21: 2022/04423. 22: 2022/04/20. 43: 2022/10/25  
 51: A61K; C07K  
 71: BEIGENE, LTD.  
 72: LIU, Ye, JIANG, Beibei, SONG, Xiaomin  
 33: CN 31: PCT/CN2019/120055 32: 2019-11-21  
**54: METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-PD1 OR ANTI-PDL1 ANTIBODIES**

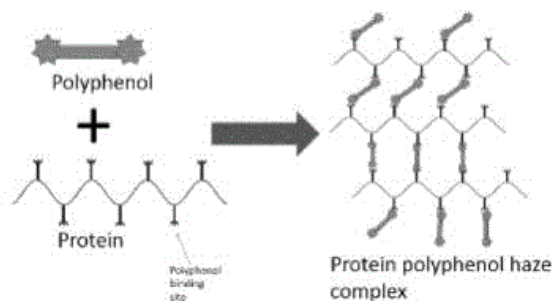
00: -  
 Provided are methods of treating cancer or increasing, enhancing, or stimulating an immune response with non-competitive, agonist anti-OX40

antibodies and antigen-binding fragments thereof that bind to human OX40 (ACT35, CD134, or TNFRSF4), in combination with an anti-PD1 or with an anti-PDL1 antibody.

21: 2022/04522. 22: 2022/04/22. 43: 2022/10/26  
 51: A23L C12C  
 71: KERRY LUXEMBOURG S.À.R.L.  
 72: KADAM, Shekhar, Umakantrao, DOYLE, Jonathan, LALOR, Eoin  
 33: US 31: 62/907,966 32: 2019-09-30  
 33: US 31: 16/665,666 32: 2019-10-28

**54: TANNIN-BASED CLOUDING AGENTS**

00: -  
 Tannin-based clouding agents are described that when combined with a beverage, such as beer, provide to the beverage a high haze value that is stable over prolonged storage, as well as other benefits. The tannin-based clouding agents include a tannin, such as a plant-derived hydrolysable tannic acid, and can also include a hydrocolloid and/or a yeast extract. Beverages containing the disclosed tannin-based clouding agents are also described. Methods of making and using the disclosed tannin-based clouding agents and beverages containing the disclosed tannin-based clouding agents are also described.



21: 2022/04542. 22: 2022/04/22. 43: 2022/11/03  
 51: C07D  
 71: Molecure Spółka Akcyjna  
 72: WITKOWSKI, Grzegorz, MAGDYCZ, Marta, TYSZKIEWICZ, Magdalena, ZAKRZEWSKI, Marcin, PIKUL, Stanislaw  
 33: US 31: 62/905,494 32: 2019-09-25  
 33: PL 31: P.431269 32: 2019-09-25  
**54: PROCESS FOR THE PRODUCTION OF 5-(4-((2 S,5 S)-5-(4-CHLOROBENZYL)-2-METHYLMORPHOLINO)PIPERIDIN-1-YL)-1 H-1,2,4-TRIAZOL-3-AMINE**

00: -  
 The present invention relates to a process for the synthesis of 5-(4-((2S,5S)-5-(4-chlorobenzyl)-2-methylmorpholino)piperidin-1-yl)-1H-1,2,4-triazol-3-amine in two hydrated crystalline forms and in one anhydrous crystalline form. The present invention further relates to methyl (Z)-4-((2S,5S)-5-(4-chlorobenzyl)-2-methylmorpholino)-N-cyanopiperidine-1-carbimidothio-ate which is an intermediate in this process.

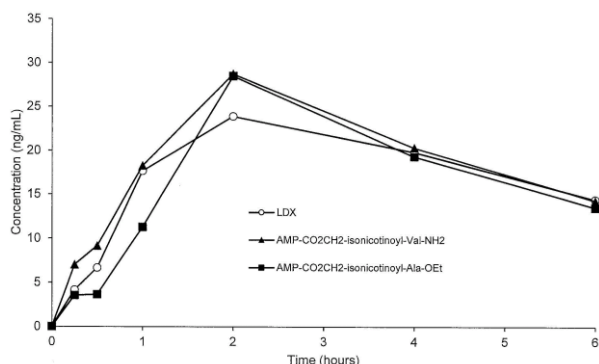
21: 2022/04562. 22: 2022/04/22. 43: 2022/10/13  
 51: E04C  
 71: PARSONS, Stephen  
 72: PARSONS, Stephen  
 33: ZA 31: 2021/02681 32: 2021-04-22  
**54: CONSTRUCTION ELEMENT**

00: -  
 The invention provides, in a first aspect of the invention, an outer wall building element for construction of a building which includes an elongate cuboid body of a plastics or composite material which has a first end, a second end, an outer side, an inner side, a top side and an under-side; a first pair of parallel longitudinally extending ribs projecting from the top side, positioned inwardly from the edges of the top side; a second pair of parallel longitudinally extending ribs projecting from the under-side, each positioned against a respective edge of the under-side, between which a channel is defined; wherein the channel is adapted to receive in tight fit a first pair of ribs of a building element in a lower layer of the building; wherein, towards the first end, the body includes a first interlock formation formed in an inner rib of the second pair, adapted to fit over an inner rib of a building element of the lower layer; wherein at the second end, the building element may include a corner connector formation comprised of an L-shaped cut away, recessed inwardly from the inner side to an outer rib of the first pair and adapted to receive in a perpendicular configuration a first end of a building element in a same layer; and wherein, towards the second end, the body includes a second interlock formation formed in an outer rib of the second pair, adapted to fit over an outer rib of a building element in the lower layer.

21: 2022/04678. 22: 2022/04/26. 43: 2022/10/26  
 51: A61K  
 71: KemPharm, Inc.  
 72: GUENTHER, Sven, CHI, Guochen, MICKLE, Travis  
 33: US 31: 16/667,804 32: 2019-10-29

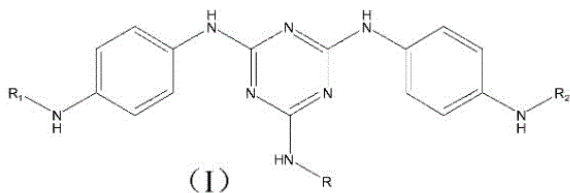
**54: D-AMPHETAMINE COMPOUNDS, COMPOSITIONS, AND PROCESSES FOR MAKING AND USING THE SAME**

00: -  
Disclosed are d-amphetamine compounds and compositions comprising at least one organic acid covalently bound to d-amphetamine, a salt thereof, a derivative thereof, or a combination thereof. Methods of making and using the same are also disclosed.



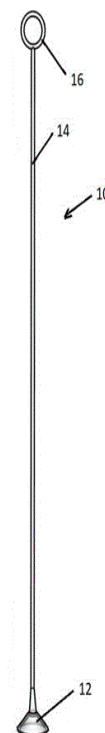
21: 2022/04679. 22: 2022/04/26. 43: 2022/10/25  
51: C07D; C08K  
71: Sennics Co., Ltd.  
72: GUO, Xiangyun, XING, Jinguo, LIU, Yanxiang, LI, Hui, GAO, Yang, TANG, Zhimin, ZHU, Haibo, QI, Qi  
33: CN 31: 201911066120.0 32: 2019-11-04  
**54: COMPOUND HAVING ANTI-AGING AND DISCOLORATION RESISTANCE EFFECTS AND PREPARATION METHOD THEREFOR**

00: -  
Provided are a compound having anti-aging and discoloration resistance effects and a preparati method therefor. The compound has the structure represented by formula (I) below, wherein R<sub>1</sub> and R<sub>2</sub> are as defined herein. Compared with existing anti-aging agent products, the describ compound has longer-lasting anti-aging performance, and has discoloration resistance. Moreov the compound can be used as an anti-aging agent in rubber products, especially rubber tires, a can prevent the aging and deterioration of rubber products or rubber tires due to light, he oxygen, fatigue, and so on during use.



21: 2022/04705. 22: 2022/04/28. 43: 2022/10/26  
51: A63C A63B  
71: VERSFELD, Ian, Francois  
72: VERSFELD, Ian, Francois  
**54: SKI ROPE RETAINER**

00: -  
The invention provides a retainer for retaining a ski rope. The retainer includes an outboard cover attachment means for attaching to a cover of an outboard engine at one end and an elastic line attachment means for attachment to an elastic line at its other end, and an elastic line attached to the attachment means. The ski rope retainer further includes a means for attaching the free end of the elastic line to or about the ski rope, in use.



21: 2022/04738. 22: 2022/04/28. 43: 2022/10/26  
51: C01C  
71: Casale SA  
72: RIZZI, Maurizio  
33: EP(CH) 31: 19208075.2 32: 2019-11-08  
**54: CONTROL OF AN AMMONIA SYNTHESIS LOOP AT PARTIAL LOAD**

00: -  
A process for synthesis of ammonia including generation of makeup gas in a frontend and conversion of said makeup gas in an ammonia synthesis loop (5) including a circulator (6), a converter (7), a condensation section (8) and a liquid ammonia separation section (9), including: when the loop operates at a partial load and a flow rate of makeup gas transferred from the front end to the

synthesis loop is reduced, the loop is controlled by separating a gas stream from a converter feed line (10) at a point upstream of the converter (7) thus forming a bypass stream (15); reintroducing said bypass stream at the suction side (24) of the circulator (6) or at a point of the loop (5) downstream of said separation section (9).

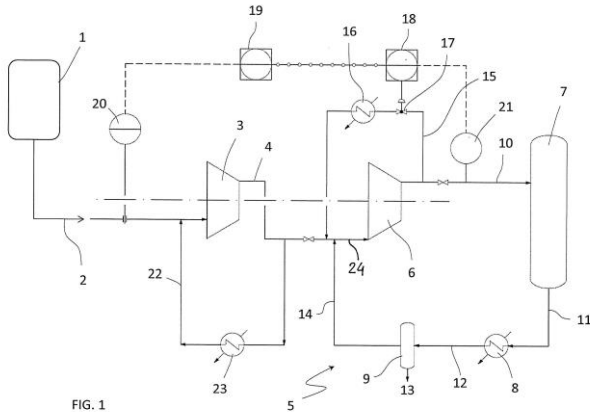


FIG. 1

21: 2022/04842. 22: 2022/05/03. 43: 2022/10/26  
 51: H02S  
 71: Ocean Sun AS  
 72: BJØRNEKLETT, Børge  
 33: GB 31: 1813842.0 32: 2018-08-24

**54: A SOLAR POWER PLANT**

00: -  
 A solar power plant comprising a pliable mat (2) arranged floating on a body of water, the mat (2) having a plurality of photovoltaic (PV) modules (1) secured thereon, each module (1) comprising a layer of photovoltaic cells (6) sandwiched between an upper glass plate (7) and a lower glass plate (8), and being secured to the mat (2) such that the lower glass plate (8) lies on or directly adjacent a top surface of the mat (2).

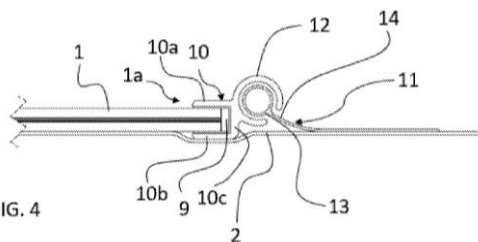


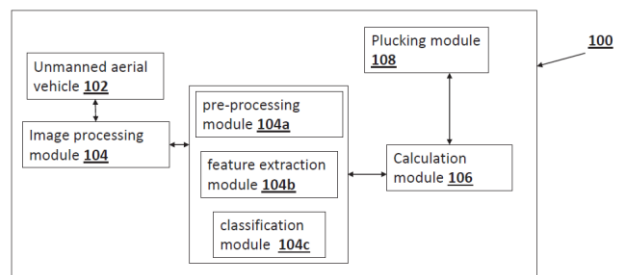
FIG. 4

21: 2022/04881. 22: 2022/05/04. 43: 2022/06/08  
 51: A01B  
 71: Dr. B V A N S S Prabhakar Rao, Dr. Ram Prasad Reddy Sadi, Dr. Terlapu Panduranga Vital, Dr.

Golajapu Venu Madhava Rao, Dr. Kadupukotla Satish Kumar  
 72: Dr. B V A N S S Prabhakar Rao, Dr. Ram Prasad Reddy Sadi, Dr. Terlapu Panduranga Vital, Dr. Golajapu Venu Madhava Rao, Dr. Kadupukotla Satish Kumar

**54: AN INTELLIGENT COCONUT HARVESTING SYSTEM**

00: -  
 A system and a method for harvesting Coconuts using an intelligent Coconut harvester, comprises of: an unmanned aerial vehicle (UAV) to capture a plurality of images of atleast a tree and atleast a parameter from atleast an angle; an image processing module for detecting the atleast a tree with minimum yield in terms of number of Coconut and condition of the Coconut to be harvested; a calculation module for calculating a circumference throughout a length of tree, wherein a diameter of the harvester is adjusted based on the calculated circumference to firmly hold the tree; and an plucking module for plucking and dropping the Coconut on ground based on current condition of the Coconut, wherein if the Coconut is tender or mature, it is dropped from top of the tree, wherein if the Coconut is young, it is dropped from a safe distance.



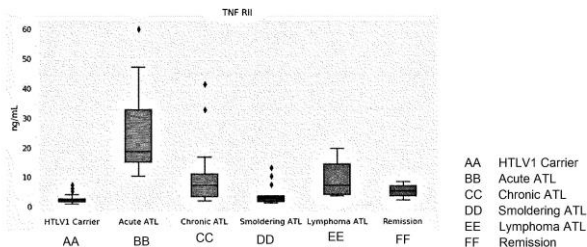
21: 2022/04902. 22: 2022/05/04. 43: 2022/11/04  
 51: C07K; G01N  
 71: NEC Corporation, University of the Ryukyus  
 72: YOSHIHARA, Yoshiko, FUKUSHIMA, Takuya, TANAKA, Yuetsu, MASUZAKI, Hiroaki, KARUBE, Kenosuke, IMAIZUMI, Naoki  
 33: JP 31: 2019-200986 32: 2019-11-05

**54: METHOD FOR DIAGNOSING HUMAN T-CELL LEUKEMIA VIRUS TYPE 1 (HTLV-1)-RELATED DISEASE**

00: -  
 Provided is a method for diagnosing a human T-cell leukemia virus type 1 (HTLV-1)-related disease on the basis of the amount of a tumor necrosis factor receptor 2 (TNFR2) in a blood sample collected from



a subject, as a technology to enable simple and accurate diagnosis of an HTLV-1-related disease, the method involving determining: (1) affection or the possibility of the onset of an HTLV-1-related disease in the subject on the basis of the increased amount of TNFR2; and/or (2) the remission or the possibility of the remission of an HTLV-1-related disease in the subject on the basis of the decreased amount of TNFR2.



21: 2022/04910. 22: 2022/05/04. 43: 2022/11/04  
 51: H04L  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: WANG, Min, KARAKI, Reem  
 33: US 31: 62/932,242 32: 2019-11-07  
**54: TIMER HANDLING IN MULTIPLE ACTIVE GRANT CONFIGURATIONS**  
 00: -

Systems and methods for determining retransmission configuration(s) are provided herein. Some embodiments relate to configuring one or more timers associated with configured grant configurations. A network node can configure a wireless device with a plurality of different configured grant configurations and associated parameters. The wireless device can use a first configured grant configuration for transmitting data and a second configured grant configuration for retransmitting the data.

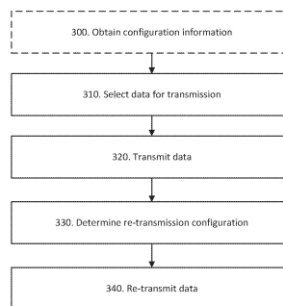
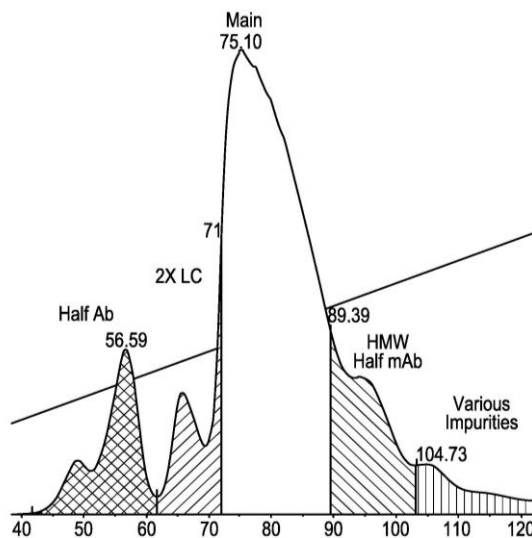


Figure 5

21: 2022/05010. 22: 2022/05/06. 43: 2022/11/09  
 51: C07K  
 71: Amgen Inc.  
 72: DIAZ, Luis, GOMEZ, Natalia  
 33: US 31: 62/931,863 32: 2019-11-07  
**54: HIGH SALT LOAD CONDITIONING DURING CATION EXCHANGE CHROMATOGRAPHY TO REMOVE PRODUCT-RELATED IMPURITIES**  
 00: -

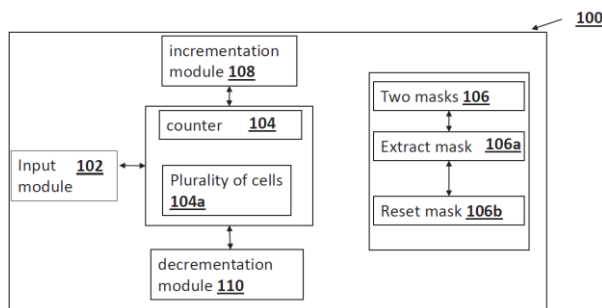
The invention relates to high salt load conditioning during cation exchange chromatography for removal of low isoelectric point product-related impurities during manufacture of recombinant multispecific proteins.



21: 2022/05074. 22: 2022/05/09. 43: 2022/07/20  
 51: G06F  
 71: Sabuzima Nayak, Ripon Patgiri, Uriti Kartheek Chandra Patnaik, Venkata Siva Nageswararao Kadiyala, Hemant Nandkishor Watane, Repudi Ramesh, Ramesh Babu Mallela, Dalton Meitei Thounaojam, National Institute of Technology Silchar

72: Sabuzima Nayak, Ripon Patgiri  
**54: A COUNTING BLOOM FILTER**

00: -  
 A device (100) for developing a counting bloom filter, comprises of: an input module (102) of a two-dimensional filter for taking a two-dimensional integer as an input, wherein the two-dimensional bloom filter includes a first dimension that is different from a second dimension; a counter (104), formed by a plurality of user defined bits includes a plurality of cells (104a) for counting the input using the two-dimensional integer, wherein each of the plurality of cell (104a) occupies memory depending on a data type, wherein the counter (104) is incremented by a hash function; and atleast two masks (106) for performing extraction and resetting operations, wherein an extract mask (106a) is used to extract the user defined bit information of the counter from the cell, wherein a reset mask (106b) is used to reset the user defined bit information of the counter (104) in the cell (104a).



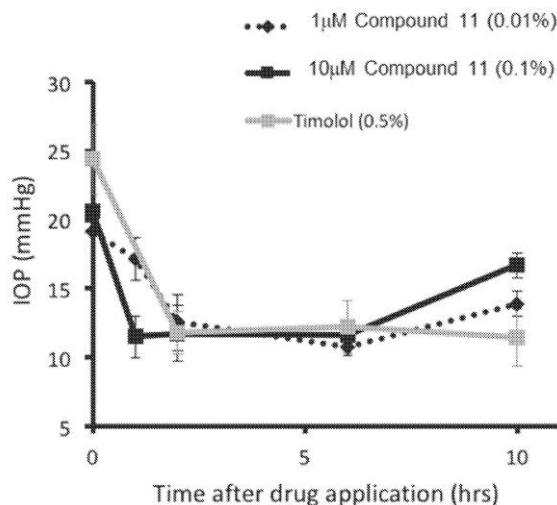
21: 2022/05107. 22: 2022/05/09. 43: 2022/11/11  
 51: B01D; C04B  
 71: Foseco International Limited  
 72: BELL, David  
 33: EP(GB) 31: 19206498.8 32: 2019-10-31  
**54: REFRACTORY FILTER**

00: -  
 A refractory filter suitable for filtering molten metal, such as steel, and a method and powdered composition for producing said filter. The filter comprises refractory material, said refractory material comprising: 60-90 wt% alumina; 8-30 wt% zirconia; and 3-20 wt% magnesia. The powdered composition comprises: 60-90 wt% alumina; 8-30 wt% zirconia; and 3-20 wt% magnesia, wherein the powdered composition comprises less than 12.5 wt% reactive alumina, calcined alumina ora mixture thereof, and wherein the remainder of the alumina is tabularalumina. The method comprises: providing a

powdered composition in accordance with the invention; forming a filter precursor from the powdered composition and a liquid component; and firing the filter precursor to form a refractory filter.

21: 2022/05110. 22: 2022/05/09. 43: 2022/11/11  
 51: A01K; A61K  
 71: University of Utah Research Foundation  
 72: SEBAHAR, Paul Richard, LOOPER, Ryan, KRIZAJ, David, REILLY, Christopher A., GRANT, Seth Wilson  
 33: US 31: 62/938,693 32: 2019-11-21  
**54: TRPV4 RECEPTOR LIGANDS**

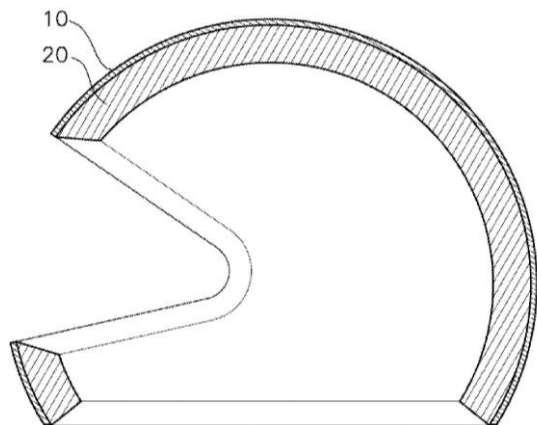
00: -  
 Described are receptor ligands of transient receptor potential cation channel subfamily V member 4 (TRPV4), pharmaceutical compositions including the compounds, and methods of using the compounds and compositions for treating ocular disorders.



21: 2022/05216. 22: 2022/05/11. 43: 2022/11/16  
 51: A42B; A42C  
 71: Mat Product & Technology, S.L.  
 72: CADENS BALLARIN, Javier, MATEU CODINA, Xavier  
 33: ES 31: U201931804 32: 2019-11-04  
**54: METHOD FOR PRODUCING A BODY PROTECTION ITEM AND RESULTING BODY PROTECTION ITEM**

00: -  
 The invention relates to a method for producing a body protection item and to the resulting body protection item. The method comprises: producing a structural casing (10) with a maximum thickness of 5

mm, made from thermoplastic material, and which defines a concave interior (11) and a convex exterior (12); and overmoulding an expanded polystyrene layer (20) superposed on the concave interior (11) of the structural casing (10), thereby causing same to adhere by means of close contact to the structural casing (10), wherein the structural casing (10) is produced by distributing, in a mould, a mixture of thermoplastic material and reinforcement fibres that are stable at temperatures equal to or less than the melting temperature of the thermoplastic, the sealing and heating of the mould causing the thermoplastic material to melt without damaging the reinforcement fibres, and subsequently cooling the mould, thereby hardening the thermoplastic material with reinforcement fibres embedded therein.



21: 2022/05220. 22: 2022/05/11. 43: 2022/11/15  
 51: B01D; B01J  
 71: Sasol Germany GmbH  
 72: HARMENING, Thomas, SCHÖNEBORN, Marcos  
 33: EP(DE) 31: 19208736.9 32: 2019-11-12  
**54: METHOD FOR PREPARING AN ALUMINA SUPPORTED PEROVSKITE TYPE OXIDE COMPOSITION, ALUMINA SUPPORTED PEROVSKITE TYPE OXIDE COMPOSITION AND ITS USE**  
 00: -

The present invention relates to a method for preparing an alumina supported perovskite type oxide composition, to an alumina supported perovskite type oxide composition and to the use of such an alumina supported perovskite type oxide composition in catalytic systems in emission control applications.

21: 2022/05222. 22: 2022/05/11. 43: 2022/11/11  
 51: A01N; A01P  
 71: Jesmond Holding AG  
 72: GIMENO SIERRA, Miguel, LUBURA, Borjana  
 33: AT 31: A50972/2019 32: 2019-11-13  
**54: COMBINATION OF ENCAPSULATED PHENOTHRIN AND EMULSIFIED PRALLETHRIN**  
 00: -

The invention relates to encapsulated, in particular micro-encapsulated phenothrin and emulsified prallethrin in water, preferably in a ratio of 10:1. This combination has excellent suitability for use as an insecticide. The suitable concentration is about 0.1 % by mass of phenothrin and 0.01 % by mass of prallethrin. The insecticide is used at a concentration of 20 ml/m<sup>2</sup> to 60 ml/m<sup>2</sup> on non-porous surfaces or in a concentration of 40 ml/m<sup>2</sup> to 120 ml/m<sup>2</sup> on porous surfaces. Despite the low amounts of active ingredients, the insecticide shows a rapid knock-down effect and prolonged depot effect.

21: 2022/05263. 22: 2022/05/12. 43: 2022/11/16  
 51: A61K  
 71: ELPEN S.A. Pharmaceutical Industry  
 72: PENTAFRAGKA, Ergina, MATTHAIIOU, Stella, PAPALEKAKOS, Pavlos  
 33: GR 31: 20210100360 32: 2021-05-31  
**54: SOLID PHARMACEUTICAL FORMS OF PERAMPANEL**  
 00: -

The invention relates to novel solid pharmaceutical forms of perampanel which have an advantage over the art at the following points: 1. They are produced by a linear formulation in all doses of the drug 2. They can incorporate different polymorphs without differentiating their pharmaceutical characteristics and therefore show considerable flexibility and optimal cost-effectiveness 3. They are produced by a simple production process where the final form is in the form of tablets, preferably coated. The solid forms of the present invention exhibit optimal stability, satisfactory mechanical strength, ease and flexibility of use, and the ability to use different polymorphs from different suppliers.

21: 2022/05279. 22: 2022/05/12. 43: 2022/11/14  
 51: H04B; H04W  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: SJÖLAND, Henrik, WILHELMSSON, Leif  
**54: WAKEUP COMMUNICATION IN A WIRELESS COMMUNICATION SYSTEM**

00: -  
 A wireless communication device (100) comprises a first transceiver (110) comprising a first frequency synthesizer (112) which comprises a first digitally controlled oscillator (DCO1) and a crystal oscillator (XO). The wireless communication device (100) further comprises a second transceiver (120) comprising a wakeup receiver (Rx2), a second transmitter (Tx2) and a second digitally controlled oscillator (DCO2) connected to the wakeup receiver (Rx2) and second transmitter (Tx2). The wireless communication device (100) further comprises a control unit (170) configured to control operation of the wireless communication device. The second transmitter (Tx2) is configured to transmit periodically a signal to a base station. The signal is modulated by a code identifying the wireless communication device (100) and transmitted at a frequency set by the second digitally controlled oscillator (DCO2).

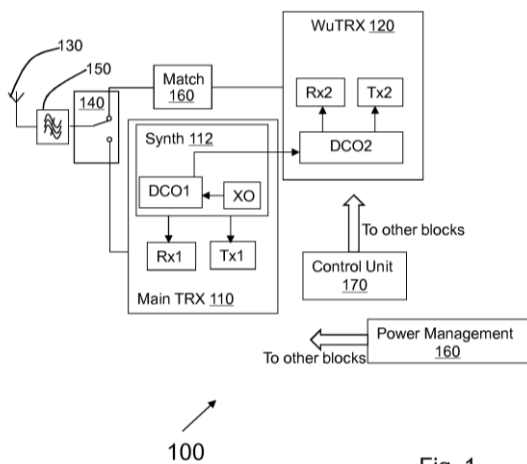


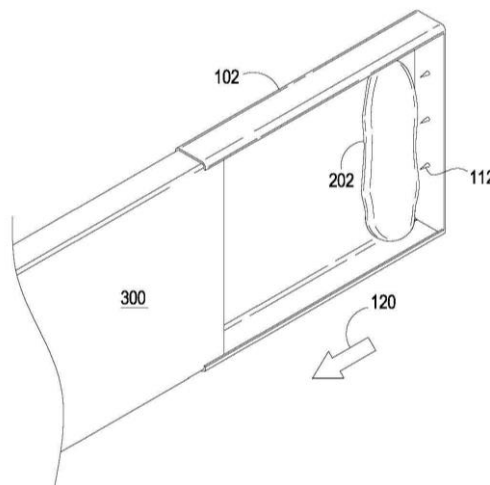
Fig. 1

21: 2022/05300. 22: 2022/05/12. 43: 2022/11/14  
 51: C07D  
 71: Bracco Imaging SpA  
 72: FERRIGATO, Aurelia, GAZZETTO, Sonia  
 33: EP(IT) 31: 19215900.2 32: 2019-12-13  
**54: MANUFACTURING OF PROTECTED DO3A**  
 00: -

The invention relates to a process for the one-step preparation and isolation of a protected DO3A such as DO3A-tri-tert-butyl ester as a solid salt.

21: 2022/05322. 22: 2022/05/13. 43: 2022/11/15  
 51: E04B; E04D  
 71: ECO TRUSS COVER SYSTEMS (PTY) LTD.  
 72: DA COSTA, Philip Marto, ROETS, Phillipus Johannes  
 33: ZA 31: 2021/03801 32: 2021-06-03  
**54: An Endcap for a Roofing Element and Associated Assembly and Method**

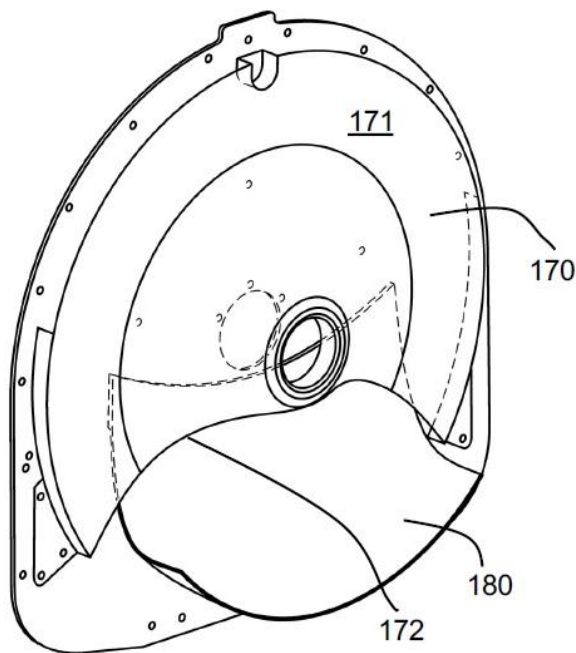
00: -  
 An endcap for a roofing element includes a hollow body defining an open-ended cavity therein which is shaped and dimensioned to accommodate an end of the roofing element snugly. The endcap also has at least one sharp structure projecting from the body into the cavity, the sharp structure configured to puncture or tear a sachet or similar container of adhesive provided inside the cavity. The invention extends further to an endcap assembly comprising the endcap and the sachet and further to a associated method and installation.



21: 2022/05424. 22: 2022/05/17. 43: 2022/11/17  
 51: B05B  
 71: ROVIC INTERNATIONAL (PTY) LTD  
 72: RAS, Marthinus Christoffel David, DE BROUWER, Kyle  
 33: ZA 31: 2021/03331 32: 2021-05-18  
**54: AGRICULTURAL SPRAYER**

00: -  
 An agricultural sprayer having an axial fan including an impeller within a housing having an axial air inlet

and an elongate diffuser providing a plurality of outlets. The sprayer includes a deflector adjacent the impeller configured to guide a first portion of the inlet airflow from the impeller to a first entry port of the diffuser and the deflector having a curved cut-out portion for guiding a second portion of the inlet flow to a passage behind the deflector leading to a second entry port of the diffuser. The sprayer includes a scoop member configured to guide airflow into the cut-out portion of the deflector and turn the airflow into the passage behind the deflector. The scoop member is curved in two axes and cooperates with the curved cut-out portion of the deflector to reduce turbulent flow of the second portion of the inlet airflow.



21: 2022/05435. 22: 2022/05/17. 43: 2022/11/17  
 51: B01D; B65D; D21H  
 71: MONDI AG  
 72: SCHWAIGER, Elisabeth, GOESS, Paulus  
 33: EP 31: 19219126.0 32: 2019-12-20

**54: HOT-EXTRACTION PAPER**

00: -  
 The invention relates to a water-vapor-permeable and hot-water-resistant paper consisting substantially of cellulose and of manufacturing aids required for the production of cellulose, such as pH modifiers based on acids and/or bases. The paper contains exclusively cellulose pulp having fiber lengths of at least 2.0 mm on length-weighted

average, in particular at least 2.5 mm on length-weighted average. Furthermore, the cellulose pulp forming the paper is a cellulose pulp high-consistency-ground to a consistency of 30-35% and optionally low-consistency-ground to a consistency of 4-6%, a fine-material proportion in the paper is set to values less than 6.5%, the pH value of the paper is set in the pseudo-neutral range, in particular to values below 7.5, preferably to values between 6.6 and 7.4, and an elongation of the paper in the machine direction is  $\leq 3\%$ .

21: 2022/05436. 22: 2022/05/17. 43: 2022/11/17  
 51: A61B  
 71: INVISIO AI SOLUTIONS (PTY) LTD  
 72: MALHERBE, Kathryn, SMALL, Lawrence, Edward  
 33: ZA 31: 2019/07728 32: 2019-11-22

**54: A SYSTEM FOR DETERMINING A TYPE OF CANCER**

00: -  
 The invention relates to a system for determining the likelihood for a type of cancer (10) that includes a receiving means (12) for receiving data (14) from an ultrasound device (16), a converting means (32) for converting the data (14), a categorising means (18) for categorising the data (14), a comparison means (20), for comparing the categorised data (22) with empirical data (24) and an analysing means (26) for analysing information generated by the comparison means (20), the analysing means (26) being configured to use the information generated by the comparison means (20) to determine a likelihood of the cancerous tissue being a particular type of cancer (48).

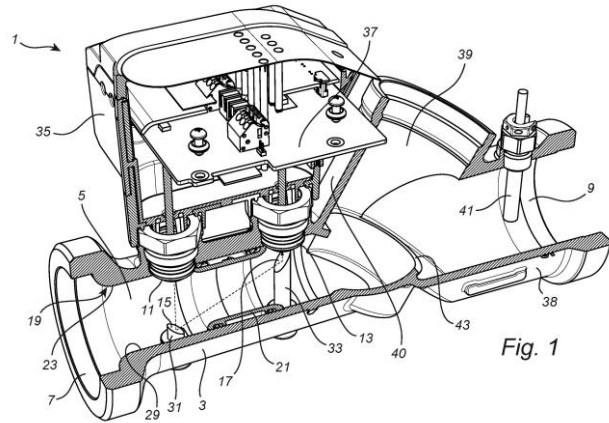
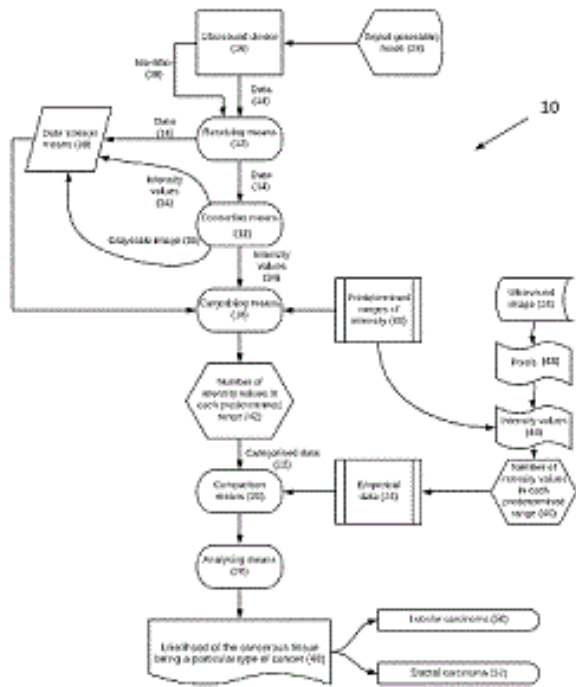


Fig. 1

21: 2022/05445. 22: 2022/05/17. 43: 2022/11/17  
51: C22C; C23C

71: Baoshan Iron & Steel Co., Ltd.

72: TAN, Ning, LIU, Hao, HONG, Jiyao, JIN, Xinyan

33: CN 31: 201911202456.5 32: 2019-11-29

**54: THERMOFORMED COMPONENT HAVING EXCELLENT COATING ADHESION, AND MANUFACTURING METHOD THEREFOR**

00: -

A thermoformed component having excellent coating adhesion. The thermoformed component comprises a substrate layer and an aluminum coating coated on at least one surface of the substrate layer. The average roughness Ra of a surface of the thermoformed component is between 1.0 μm and 3.0 μm, the peak height and the peak-to-valley height Rt are between 8 μm and 30 μm, and the roughness peak count Rpc is greater than or equal to 50. A manufacturing method for the thermoformed component having excellent coating adhesion comprises the following steps: (1) immersing a substrate in an aluminum coating solution to obtain a plate having an aluminum coating on a surface thereof; (2) performing leveling; (3) performing blanking on the plate or cutting the plate so as to obtain a blank having a required component shape; (4) performing heat treatment; and (5) performing transfer processing and hot stamping, wherein the heated blank is quickly transferred to a mold for cooling and stamping, so as to form a thermoformed component.

21: 2022/05441. 22: 2022/05/17. 43: 2022/11/17  
51: G01F; G05D

71: IMI Hydronic Engineering International SA

72: JÖNSSON, Anders

33: EP(CH) 31: 19212858.5 32: 2019-12-02

**54: A FLOW MEASURING DEVICE**

00: -

A flow measuring device, comprising a housing, a channel extending through the housing, a first transducer, a second transducer located downstream of the first transducer, a first reflecting surface, a second reflecting surface located downstream of the first reflecting surface. The first and second reflecting surfaces are located and directed such that an ultrasonic beam transmitted by the first transducer is redirected by the first reflecting surface to the second reflecting surface and then to the second transducer, and vice versa. The ultrasonic beam travels between the first and second reflecting surfaces in a direction obliquely to a main flow direction. There is also disclosed a valve arrangement comprising such a flow measuring device and also comprising a flow regulating assembly.

21: 2022/05478. 22: 2022/05/18. 43: 2022/11/21  
51: B01D; B04C

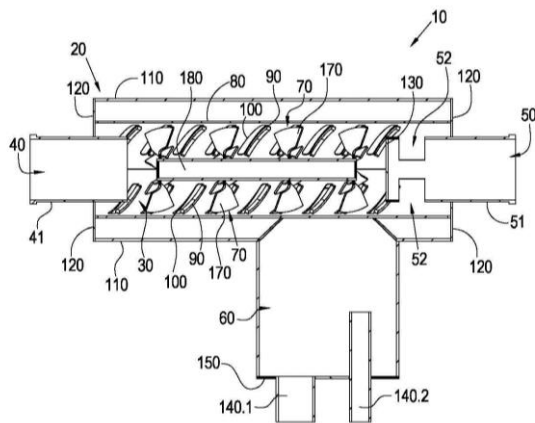
71: LR CLEANING SOLUTIONS & MINING SUPPLIES (PTY) LTD.

72: PIRISI, Laura

**54: A CYCLONE SEPARATOR FOR SEPARATING CONTAMINANTS FROM COMPRESSED GAS**

00: -

This invention relates to a cyclone separator 10 for separating contaminants from compressed gas. The cyclone separator 10 comprises a housing 20 which defines an inner chamber 30, an operatively upstream inlet 40 and a downstream outlet 50. The housing further includes a downstream drain 60 which is configured to discharge filtered contaminants from the housing. Four fixed vortex inducers 70 are operatively disposed inside a baffle 80. The vortex inducers induce a vortex within the inner chamber 30. The baffle 80 filters the contaminants and includes a plurality of inwardly protruding vanes 90, each vane 90 having a congruent upstream slot 100, formed through a baffle wall, which extends substantially for the length of the vane 90. Laterally orientated outlet openings 52 connect the inlet and outlet in fluid flow communication by way of a convoluted flow path which increases pressure drop across the separator 10 thus increasing filtering effectiveness.



21: 2022/05487. 22: 2022/05/18. 43: 2022/11/21

51: B01D

71: SEPRO MINERAL SYSTEMS CORP.

72: GILLIS, Andrew

33: US 31: 63/013,289 32: 2020-04-21

**54: PARTICLE SEPARATION BY DENSITY**

00: -

An apparatus for facilitating particle separation by density includes a separator having an inner surface surrounding a rotation axis and defining a particle path from an input end to an axially spaced output

end. The inner surface includes a plurality of axially spaced dividers having respective inner positions, defining at least in part respective axially spaced retainers for collecting particles during rotation of the separator. The retainers each include at least one fluid inlet for fluidizing particles in the retainer during operation. The dividers include a first pair of adjacent dividers and a second pair of adjacent dividers, the first pair nearer the input end than the second pair, wherein a first divider slope of the first pair is greater than a second divider slope of the second pair and wherein each of the first and second divider slopes is zero or positive. Other systems, apparatuses and methods are disclosed.

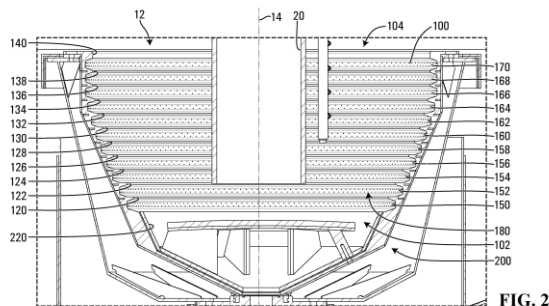


FIG. 2

21: 2022/05488. 22: 2022/05/18. 43: 2022/11/21

51: B01D; B64C; G01W

71: HIGH HOPES LABS LTD.

72: OREN, Eran

33: US 31: 62/952,248 32: 2019-12-19

**54: GASEOUS MATTER CAPTURE SYSTEM AND METHOD**

00: -

A gaseous matter capture system and method comprising an aerial unit configured to capture gaseous matter directly from the atmosphere and further comprising storage means configured to transfer said gaseous matter for further processing in a non-aerial unit for the purposes of climate change mitigation and further use of captured gases.

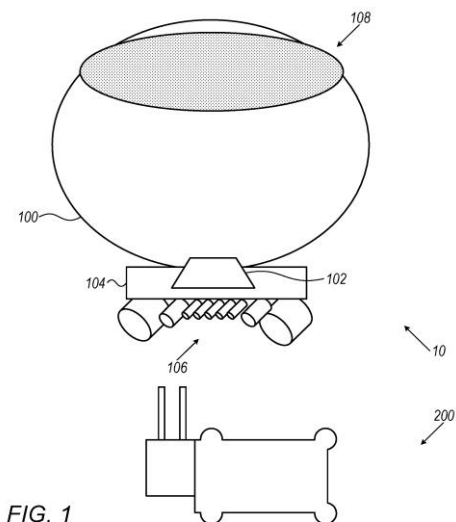


FIG. 1

21: 2022/05491. 22: 2022/05/18. 43: 2022/11/21

51: C21D; C22C

71: ARCELORMITTAL

72: Dorien DE KNIJF, Lode DUPREZ, Koenraad THEUWISSEN, Tom WATERSCHOOT

33: IB 31: PCT/IB2019/060890 32: 2019-12-17

**54: HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**

00: -

A hot rolled steel sheet having a composition comprising of the following elements, 0.18 % ≤ Carbon ≤ 0.3 %, 1.8 % ≤ Manganese ≤ 4.5%. 0.8% ≤ Silicon ≤ 2%, 0.001% ≤ Aluminum ≤ 0.2 %, 0.1% ≤ Molybdenum ≤ 1%, 0.001% ≤ Titanium ≤ 0.2%, 0.0001 % ≤ Boron ≤ 0.01%, 0 % ≤ Phosphorus ≤ 0.09 %, 0 % ≤ Sulfur ≤ 0.09%, 0 % ≤ Nitrogen ≤ 0.09%, 0% ≤ Chromium ≤ 0.5%, 0% ≤ Niobium ≤ 0.1%, 0 % ≤ Vanadium ≤ 0.5%, 0% ≤ Nickel ≤ 1%, 0% ≤ Copper ≤ 1%, 0% ≤ Calcium ≤ 0.005%, 0 % ≤ Magnesium ≤ 0.0010% the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, of at least 70% martensite, 8% to 25% residual austenite, wherein the shape factor the residual austenite is between 4 and 12.

21: 2022/05587. 22: 2022/05/20. 43: 2022/11/21

51: C12N; C12P; C12R

71: Ningxia Eppen Biotech Co., LTD

72: Xixian, XIE, Shuai, JIANG, Chenhui, WEN, Heyun, WU, Yining, LIU, Xuan, LI, Daoguang, TIAN, Bo, XIONG

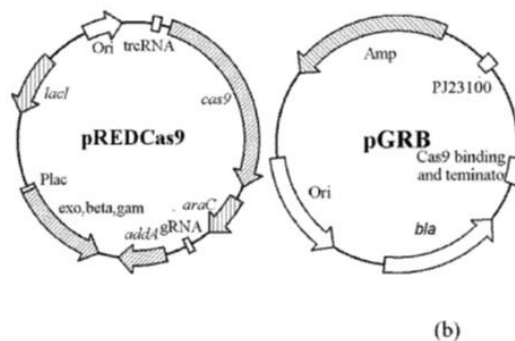
33: WO 31: PCT/CN2020/090626 32: 2020-05-15

33: CN 31: 201911211097.X 32: 2019-12-02

**54: GENE ENGINEERING BACTERIA FOR PRODUCING L-ARGININE AND CONSTRUCTION METHOD AND APPLICATION OF GENE ENGINEERING BACTERIA**

00: -

Disclosed are gene engineering bacteria for producing L-arginine and a construction method and an application of the gene engineering bacteria. According to the method, genes encoding a carbamoyl phosphate synthetase and a gene encoding an L-arginine biosynthesis pathway enzyme are integrated into Escherichia coli; the present invention has analyzed and reconstructed the arginine synthetic pathway and the metabolic flow related to arginine in the entire amino acid metabolic network in E. coli and finally obtained a genetically engineered bacterial strain which has a clear genetic background, carries no plasmids, undergoes no mutagenesis and is capable of stably and efficiently producing L-arginine.



21: 2022/05596. 22: 2022/05/20. 43: 2022/11/21

51: A61K; C07B; C07K; A61P

71: INSTITUTO NACIONAL DE INVESTIGACIONES NUCLEARES

72: Guillermina FERRO FLORES, Blanca Eli OCAMPO GARCÍA, Alondra ESCUDERO CASTELLANOS, Myrna Alejandra LUNA GUTIÉRREZ, Clara Leticia SANTOS CUEVAS, Nallely Patricia JIMENEZ MANCILLA, Erika Patricia AZORIN VEGA

33: MX 31: MX/a/2019/012648 32: 2019-10-23

**54: RADIOLABELLED (LYS3)BN-IP SMA FOR THE DUAL RECOGNITION OF THE PSMA AND GRPR PROTEINS IN VIVO**

00: -

Human prostate tumours display intrinsic heterogeneity and changes in phenotype as the disease progresses, which involves various levels of cell-surface receptor expression. The invention



relates to a new radiolabelled (Lys3)bombesina-iPSMA molecule for the dual recognition of prostate-specific membrane antigen (PSMA) protein and gastrin-releasing peptide receptor (GRPr) protein in vivo, wherein the chemical steric screening of the chelating site of the radio metal promotes increased capture and internalisation in human prostate cancer cells. The new (Lys3)bombesina-iPSMA molecule labelled with a radio metal (for example, Lu-177) is accumulated with high affinity in vivo in tumour cells that overexpress PSMA protein and/or GRPr protein, acting as a heterodimeric radiopharmaceutical agent when it interacts with two different molecular targets. The purpose of the invention is to provide a new radiolabelled heterodimeric molecule having a specific dual molecular recognition (molecular-target radiopharmaceutical) for the diagnosis and potential treatment of tumours with different PSMA and GRPr expression levels.

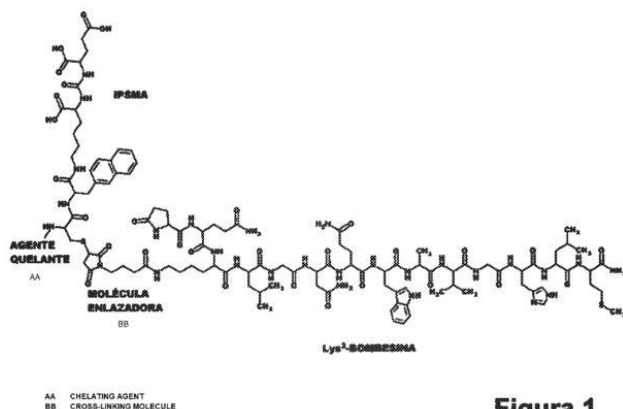


Figure 1

21: 2022/05598. 22: 2022/05/20. 43: 2022/11/21  
 51: B22F; C22C; B33Y  
 71: ARCELORMITTAL  
 72: Rosalía REMENTERÍA FERNÁNDEZ, Frédéric BONNET, Maria Elena CORRAL CORRALES, Carla OBERBILLIG  
 33: IB 31: PCT/IB2019/061165 32: 2019-12-20  
**54: METAL POWDER FOR ADDITIVE MANUFACTURING**

00: -  
 The invention relates to a metal powder for additive manufacturing having a composition comprising the following elements, expressed in content by weight:  $0.01\% \leq C \leq 0.2\%$ ,  $4.6\% \leq Ti \leq 10\%$ ,  $(0.45 \times Ti) - 0.22\% \leq B \leq (0.45 \times Ti) + 0.70\%$ ,  $S \leq 0.03\%$ ,  $P \leq 0.04\%$ ,  $N \leq 0.05\%$ ,  $O \leq 0.05\%$  and optionally containing:  $Si \leq 1.5\%$ ,  $Mn \leq 3\%$ ,  $Al \leq 1.5\%$ ,  $Ni \leq 1\%$ ,  $Mo \leq 1\%$ ,  $Cr \leq 3\%$ ,  $Cu \leq 1\%$ ,  $Nb \leq 0.1\%$ ,  $V \leq 0.5\%$

and comprising eutectic precipitates of TiB<sub>2</sub> and Fe<sub>2</sub>B, the balance being Fe and unavoidable impurities resulting from the elaboration, the volume percentage of TiB<sub>2</sub> being equal or more than 10% and the mean bulk density of the powder being 7.50 g/cm<sup>3</sup> or less. The invention also related to its manufacturing method by atomization.

21: 2022/05608. 22: 2022/05/20. 43: 2022/11/21  
 51: C21D; C22C  
 71: ARCELORMITTAL  
 72: Matthieu SIEBENTRITT, Julien LAMOUCHE, Dorien DE KNIJF

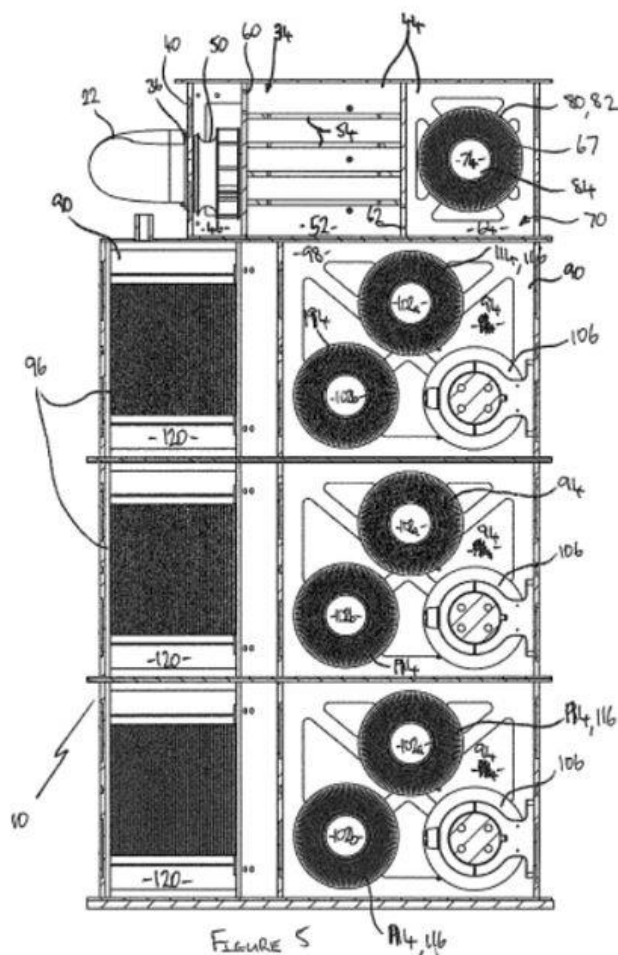
**54: HEAT TREATED COLD ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**

00: -  
 A heat treated and cold rolled steel sheet having a composition comprising of the following elements  $0.09\% \leq \text{Carbon} \leq 0.15\%$ ,  $1.8\% \leq \text{Manganese} \leq 2.5\%$ ,  $0.2\% \leq \text{Silicon} \leq 0.7\%$ ,  $0.01\% \leq \text{Aluminum} \leq 0.1\%$ ,  $0\% \leq \text{Phosphorus} \leq 0.09\%$ ,  $0\% \leq \text{Sulfur} \leq 0.09\%$ ,  $0\% \leq \text{Nitrogen} \leq 0.09\%$ ,  $0\% \leq \text{Niobium} \leq 0.1\%$ ,  $0\% \leq \text{Titanium} \leq 0.1\%$ ,  $0\% \leq \text{Chromium} \leq 1\%$ ,  $0\% \leq \text{Molybdenum} \leq 1\%$ ,  $0\% \leq \text{Vanadium} \leq 0.1\%$ ,  $0\% \leq \text{Calcium} \leq 0.005\%$ ,  $0\% \leq \text{Boron} \leq 0.01\%$ ,  $0\% \leq \text{Cerium} \leq 0.1\%$ ,  $0\% \leq \text{Magnesium} \leq 0.05\%$ ,  $0\% \leq \text{Zirconium} \leq 0.05\%$  the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 65 to 85% Tempered Martensite, 0% to 5% Residual Austenite and a cumulative presence of Ferrite and Bainite between 15 and 35%.

21: 2022/05609. 22: 2022/05/20. 43: 2022/11/21  
 51: B60H; F24F  
 71: WORK AIR TECHNOLOGIES PTY LTD  
 72: Gregory Brian KNOWLES  
 33: AU 31: 2019904535 32: 2019-11-30  
**54: AIR CONDITIONING AND FILTRATION SYSTEM**

00: -  
 An air conditioning and filtration system (10) comprising a pre-treatment system (12) for initially filtering air drawn from an external environment; pressurisation means (50) for positively pressurising air filtered by the pre-treatment system (12) and at least one circulation means (106). Each circulation means (106) draws air from the external environment through the pre-treatment system (12)

and pressurisation means (50) as well as air from at least one enclosed area (1) for combination into an air stream. The air stream is thereafter directed to at least one set of filtration means (94) and air conditioning means (96) before being conveyed to at least one of the at least one enclosed areas (1).



21: 2022/05648. 22: 2022/05/23. 43: 2022/11/23  
 51: A61K  
 71: HANYI BIOTECHNOLOGY (BEIJING) CO., LTD  
 72: TAN, Xin, WANG, Shubin, FAN, Dekai, SUN, Wuxing, XING, Junbo, ZHANG, Xuran  
 33: CN 31: 201911243459.3 32: 2019-12-06  
**54: CANNABINOID NANOMICELLE PREPARATION AND METHOD FOR PREPARING SAME**

00: -  
 Disclosed are a cannabinoid nanomicelle preparation and a method for preparing same. The cannabinoid nanomicelle preparation comprises: a cannabinoid and an amphiphilic polymer. The content of the cannabinoid in percentage by weight

is 1-40%, and the content of the amphiphilic polymer in percentage by weight is 1-99%. The preparation method comprises: (1) preparing the cannabinoid and the amphiphilic polymer into a cannabinoid nanomicelle solution; (2) drying the micelle solution obtained in step (1) to obtain the cannabinoid nanomicelle powder; and (3) preparing the cannabinoid nanomicelle powder obtained in step (2) into the cannabinoid nanomicelle preparation. According to the cannabinoid nanomicelle preparation, the active ingredient has high encapsulation rate and transfer rate, high drug loading capacity, and strong stability. A novel room temperature self-assembly technology is used to prevent the active ingredient cannabinoid from degrading and discoloring at high temperature. The active ingredient has high bioavailability, which can reduce the single dose. In particular, a dry powder inhaler has a high deposition rate in vitro and fast inhalation effect, and can provide a continuous and stable plasma concentration.

21: 2022/05649. 22: 2022/05/23. 43: 2022/11/23  
 51: C21D; C22C  
 71: ARCELORMITTAL  
 72: Matthieu SIEBENTRITT, Julien LAMOUCHE, Dorien DE KNIJF  
 33: IB 31: PCT/IB2019/060741 32: 2019-12-13  
**54: HEAT TREATED COLD ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF**

00: -  
 A heat treated and cold rolled steel sheet having a composition comprising of the following elements  $0.09\% \leq \text{Carbon} \leq 0.15\%$ ,  $1.8\% \leq \text{Manganese} \leq 2.5\%$ ,  $0.2\% \leq \text{Silicon} \leq 0.7\%$ ,  $0.01\% \leq \text{Aluminum} \leq 0.1\%$ ,  $0\% \leq \text{Phosphorus} \leq 0.09\%$ ,  $0\% \leq \text{Sulfur} \leq 0.09\%$ ,  $0\% \leq \text{Nitrogen} \leq 0.09\%$ ,  $0\% \leq \text{Niobium} \leq 0.1\%$ ,  $0\% \leq \text{Titanium} \leq 0.1\%$ ,  $0\% \leq \text{Chromium} \leq 1\%$ ,  $0\% \leq \text{Molybdenum} \leq 1\%$ ,  $0\% \leq \text{Vanadium} \leq 0.1\%$ ,  $0\% \leq \text{Calcium} \leq 0.005\%$ ,  $0\% \leq \text{Boron} \leq 0.01\%$ ,  $0\% \leq \text{Cerium} \leq 0.1\%$ ,  $0\% \leq \text{Magnesium} \leq 0.05\%$ ,  $0\% \leq \text{Zirconium} \leq 0.05\%$  the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel sheet comprising in area fraction, 65 to 85% Tempered Martensite, 0% to 5% Residual Austenite and a cumulative presence of Ferrite and Bainite between 15 and 35%.

21: 2022/05675. 22: 2022/05/23. 43: 2022/11/23  
 51: A61K; C07D; A61P

71: LUPIN LIMITED

72: KAMBOJ, Rajender Kumar, KOCHUMALAYIL, Shaji George, VENUGOPAL, Spinvin, PADIYA, Kamlesh Jyotindra, KAMALAKANNAN, Prabakaran, NAIK, Kumar Ram, INGAWALE, Sachin Subhash, RAJESH, Bhavani Shankar, POWAR, Rajendra Ganpati

33: IN 31: 201921047127 32: 2019-11-19

**54: PROCESS FOR PREPARING CHROMAN COMPOUNDS**

00: -

The application relates to a process for manufacturing substituted chroman compounds in an economically scalable manner, without the use of pyrophoric reagents. Also described are synthesis routes that do not include column chromatography purification steps. In particular, the invention relates to the synthesis of the Calcium sensing receptor (CaSR) modulating agent 2-methyl-5-(((2R,4S)-2-(((R)-1-(naphthalen-1-yl)ethyl)amino)methyl)chroman-4-yl)benzoic acid, and pharmaceutically acceptable salts thereof.

21: 2022/05722. 22: 2022/05/24. 43: 2022/11/24

51: B22F; C22C; B33Y

71: ARCELORMITTAL

72: Manuel SÁNCHEZ PONCELA, Nele VAN STEENBERGE, Florencia GATTI, Sandra RODRÍGUEZ

33: IB 31: PCT/IB2019/061070 32: 2019-12-19

**54: METAL POWDER FOR ADDITIVE MANUFACTURING**

00: -

The invention relates to a metal powder having a composition comprising the following elements, expressed in content by weight:  $6.5\% \leq \text{Si} \leq 10\%$ ,  $4.5\% \leq \text{Nb} \leq 10\%$ ,  $0.2\% \leq \text{B} \leq 2.0\%$ ,  $0.2\% \leq \text{Cu} \leq 2.0\%$ ,  $\text{C} \leq 2\%$  and optionally containing  $\text{Ni} \leq 10 \text{ wt}\%$  and/or  $\text{Co} \leq 10 \text{ wt}\%$  and/or  $\text{Cr} \leq 7 \text{ wt}\%$  and/or  $\text{Zr}$  as a substitute for any part of Nb on a one-to-one basis and/or Mo as a substitute for any part of Nb on a one-to-one basis and/or P as a substitute for any part of Si on a one-to-one basis and/or one or more additional elements selected from among: Hf, Ta, W, V or Y and wherein a content by weight of each additional element is less than 3.5% and/or one or more rare earth metals, wherein a content by weight of each rare earth metal is less than 0.2%, the balance being Fe and unavoidable impurities resulting from the elaboration, the metal powder having a microstructure comprising at least 5% in area fraction of an amorphous phase, the balance being made of crystalline ferritic phases with a grain

size below 20  $\mu\text{m}$  and possible precipitates, the metal powder having a mean sphericity SPHT of at least 0.80.

21: 2022/05723. 22: 2022/05/24. 43: 2022/11/23

51: B22F; C22C; B33Y

71: ARCELORMITTAL

72: Ana MARTÍNEZ, Laura MOLI, Laura DEL RÍO FERNÁNDEZ, Nele VAN STEENBERGE, Lode DUPREZ

**54: PROCESS FOR THE ADDITIVE MANUFACTURING OF MARAGING STEELS**

00: -

The invention relates to a process for manufacturing an additively-manufactured part from a metal powder having a composition comprising the following elements, expressed in content by weight:  $6\% \leq \text{Ni} \leq 14\%$ ,  $5\% \leq \text{Cr} \leq 10\%$ ,  $0.5\% \leq \text{Si} \leq 2.5\%$ ,  $0.5\% \leq \text{Ti} \leq 2\%$ ,  $\text{C} \leq 0.04\%$  and optionally containing  $0.5\% \leq \text{Cu} \leq 2\%$ , the balance being Fe and unavoidable impurities resulting from the elaboration, the metal powder having a microstructure including in area fraction more than 98% of a body-centered cubic crystalline phase, the process comprising a step during which at least a part of the metal powder is melted in an atmosphere substantially composed of an inert gas other than Argon or of a combination of inert gases other than Argon.

21: 2022/05724. 22: 2022/05/24. 43: 2022/11/24

51: B22F; C22C; B33Y

71: ARCELORMITTAL

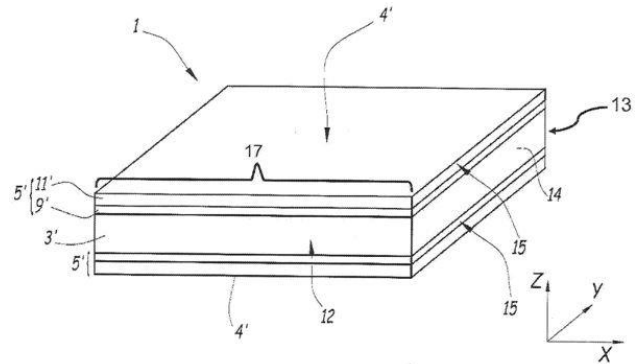
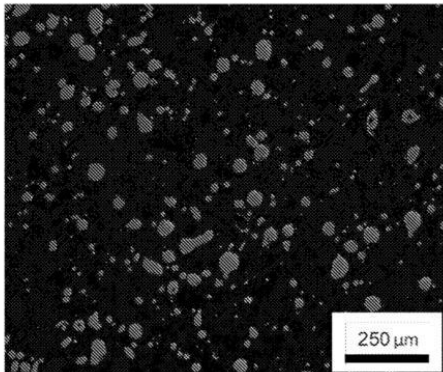
72: Valerie DAESCHLER, Frédéric BONNET, Rosalía REMENTERÍA FERNÁNDEZ, Diego Alejandro SEGOVIA PÉREZ

**54: METAL POWDER FOR ADDITIVE MANUFACTURING**

00: -

The invention relates to a metal powder for additive manufacturing having a composition comprising the following elements, expressed in content by weight:  $0.01\% \leq \text{C} \leq 0.2\%$ ,  $2.5\% \leq \text{Ti} \leq 10\%$ ,  $(0.45 \times \text{Ti}) - 1.35\% \leq \text{B} \leq (0.45 \times \text{Ti}) + 0.70\%$ ,  $\text{S} \leq 0.03\%$ ,  $\text{P} \leq 0.04\%$ ,  $\text{N} \leq 0.05\%$ ,  $\text{O} \leq 0.05\%$  and optionally containing:  $\text{Si} \leq 1.5\%$ ,  $\text{Mn} \leq 3\%$ ,  $\text{Al} \leq 1.5\%$ ,  $\text{Ni} \leq 1\%$ ,  $\text{Mo} \leq 1\%$ ,  $\text{Cr} \leq 3\%$ ,  $\text{Cu} \leq 1\%$ ,  $\text{Nb} \leq 0.1\%$ ,  $\text{V} \leq 0.5\%$  and comprising eutectic precipitates of TiB<sub>2</sub> and optionally of Fe<sub>2</sub>B, the balance being Fe and unavoidable impurities resulting from the elaboration, the metal powder having a mean roundness of at least 0.70. The invention also related to its manufacturing method by argon atomization.

Atomization with Ar



21: 2022/05725. 22: 2022/05/24. 43: 2022/11/24  
 51: B23K; B32B  
 71: ARCELORMITTAL  
 72: Quentin BERNARDI, Bernard LUQUET  
**54: LASER CUTTING OF A PRE-COATED STEEL BLANK AND ASSOCIATED BLANK**  
 00: -

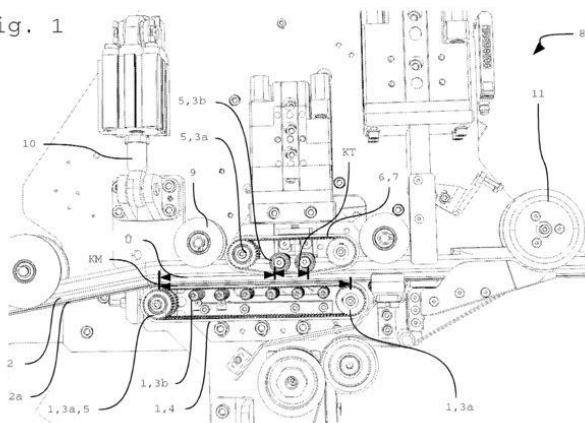
Method for producing a precoated steel blank (1) comprising the successive steps of: - providing a precoated steel strip (2) comprising a steel substrate (3) having, on at least one of its main faces, a precoating (5), the precoating (5) comprising an intermetallic alloy layer (9) and a metallic layer (11) extending atop said intermetallic alloy layer (9), the metallic layer (11) being a layer of aluminum, a layer of aluminum alloy or a layer of aluminum-based alloy, - laser cutting said precoated steel strip (2) in order to obtain at least one precoated steel blank (1), said precoated steel blank (1) comprising a laser cut edge surface (13) resulting from the laser cutting operation, said laser cut edge surface (13) comprising a substrate portion (14) and a precoating portion (15), wherein the laser cutting is carried out in such a way that the substrate portion (14) of the laser cut edge (13) directly resulting from the cutting operation has an oxygen content greater than or equal to 15% in weight.

21: 2022/05736. 22: 2022/05/24. 43: 2022/11/24

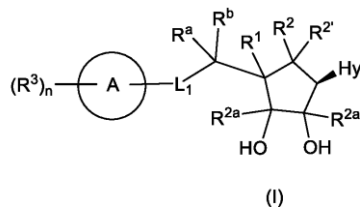
51: G01B  
 71: ATN HÖLZEL GMBH  
 72: Immo GEPPERT  
 33: DE 31: 10 2019 135 647.4 32: 2019-12-20  
**54: MEASURING DEVICE FOR MEASURING THE LENGTH OF SEALING PROFILES**  
 00: -

The invention relates to a measuring device which allows for the measuring of the length of rubber sealing profiles to be attached to body parts of vehicles. The measuring of the length is to be carried out as precisely as possible. To this end, slip between the sealing profile and the measuring system is to be prevented. The measuring device (1) for measuring the length of sealing profiles (2) in a sealing profile application device comprises a measuring belt (4) running over at least two rollers (3a, 3b), wherein the measuring belt (4) and/or at least one of the rollers (3a, 3b) cooperates with a measurement value detection system (5), wherein a transport device (6) having a transport belt (7) running over rollers (3a, 3b) is arranged opposite the measuring belt (4), characterised in that the measuring device (1) is arranged in an applicator head (8) of the sealing profile application device, and in that a measuring belt contact region (KM) of the sealing profile (2) with the measuring belt (4) extends longer than a transport contact region (KT) of the sealing profile (2) with the transport belt (7).

Fig. 1



PRMT5 enzyme. The invention also relates to methods of treating diseases, disorders or conditions associated with the overexpression of PRMT5 enzyme.



21: 2022/05738. 22: 2022/05/24. 43: 2022/11/24

51: C07K; A61P

71: SOTIO BIOTECH A.S.

72: Lukas BMMERT, Lenka KYRYCH  
SADILKOVA, Simona HOSKOVA, Valentova IVA,  
Lorenz WALDMEIER, Roger BEERLI, Ulrich  
MOEBIUS

33: EP 31: 19219359.7 32: 2019-12-23

33: EP 31: 20152510.2 32: 2020-01-17

**54: TUMOR-SPECIFIC CLAUDIN 18.2**

**ANTIBODIES**

00: -

The invention provides tumor specific anti-CLDN18.2 antibodies or fragments thereof. The antibodies or fragments thereof exhibit increased binding to tumor tissue expressing CLDN 18.2 over healthy tissue expressing CLDN18.2. Further, the antibodies do not exhibit cross-reactivity to CLDN18.1. The invention also provides nucleic acids, vectors, host cells and medical uses.

21: 2022/05799. 22: 2022/05/25. 43: 2022/11/16

51: A61K; C07D; A61P

71: LUPIN LIMITED

72: NAIR, Prathap Sreedharan, GUDADE, Ganesh  
Bhausahab, BHAGWAT, Shankar Bhaskar, YADAV,  
Amol Maruti, KULKARNI, Chaitanya Prabhakar,  
SINDKHEDKAR, Milind Dattatraya, PALLE, Venkata  
P., KAMBOJ, Rajender Kumar

33: IN 31: 201921049775 32: 2019-12-03

**54: SUBSTITUTED NUCLEOSIDE ANALOGS AS  
PRMT5 INHIBITORS**

00: -

The invention relates to substituted nucleoside analogues of formula (I), pharmaceutically acceptable salts thereof and pharmaceutical compositions for treating diseases, disorders or conditions associated with the overexpression of

21: 2022/05809. 22: 2022/05/25. 43: 2022/11/16

51: C21D; C22C; C23C

71: HYDROMECHANIQUE ET FROTTEMENT

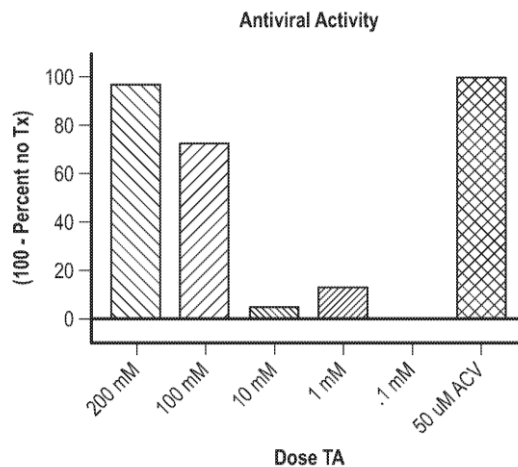
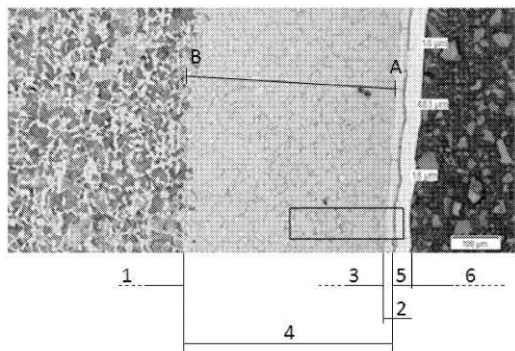
72: HERMANN, Luc, MONTEUX, Vincent

33: FR 31: 1915524 32: 2019-12-24

**54: METHOD FOR TREATING A PART MADE OF  
FERROUS METAL, AND PART MADE OF  
FERROUS METAL**

00: -

The invention relates principally to a method for treating a part (P) made of ferrous metal, comprising: a nitriding operation forming on the part (P) a combination layer (2) having a thickness of between 5 and 30 μm, and a diffusion region (3), arranged beneath and in contact with the combination layer (2), having a thickness of between 100 μm and 500 μm; then an operation of quenching the part (P) by high-frequency induction, over an induction depth that is greater than or equal to 0.5 mm, thereby hardening the part (P) and lending said part (P): • a surface hardness greater than or equal to 50 HRC, • a hardness of the combination layer (2) greater than or equal to 400 HV0.05, • a hardness of the part of greater than or equal to 500 HV0.05 at a depth of 500 μm, and wherein the high-frequency induction quenching operation is carried out without the application of a protective film on the part (P) prior to the induction quenching operation. The invention also relates to a part (P) made of ferrous metal, having significant resistance to wear by abrasion and adhesion, improved friction properties and improved resistance to scaling, and good corrosion behavior.



21: 2022/05867. 22: 2022/05/26. 43: 2022/11/28  
51: A61K

71: TRANEXAMIC TECHNOLOGIES, LLC  
72: STEWART, W. Paul, MURDOCK, Frank  
33: US 31: 62/927,540 32: 2019-10-29

**54: SYNERGISTIC COMBINATIONS OF SYNTHETIC LYSINE ANALOGS, DERIVATIVES, MIMETICS, OR PRODRUGS AND PHARMACEUTICAL AGENTS FOR ENHANCED EFFICACY**

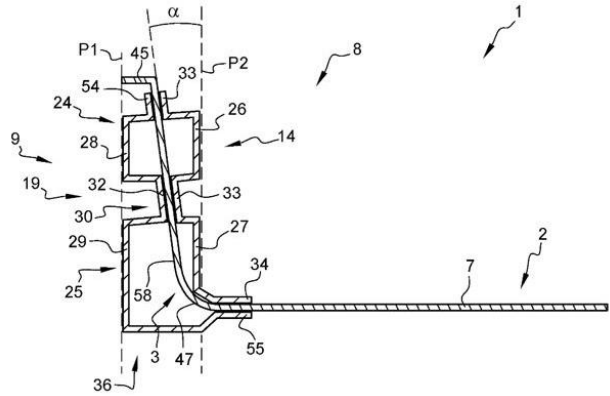
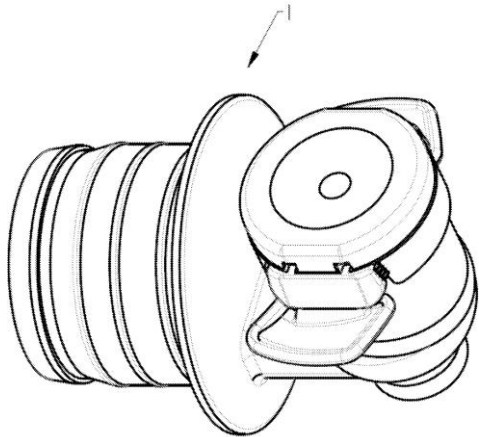
00: -  
In an embodiment, the present disclosure pertains to a composition to enhance efficacy of a pharmaceutical agent. In some embodiments, the composition includes a synthetic lysine analog, derivative, mimetic, or prodrug and the pharmaceutical agent. In some embodiments, the synthetic lysine analog, derivative, mimetic, or prodrug and the antiviral agent form a synergistic combination. In an additional embodiment, the present disclosure pertains to a method to enhance efficacy of the pharmaceutical agent that generally includes administering the synergistic combination to a subject in need thereof. In a further embodiment, the present disclosure pertains to a kit to enhance efficacy of the pharmaceutical agent that generally includes the synergistic combination.

21: 2022/05868. 22: 2022/05/26. 43: 2022/11/28  
51: B67D

71: VITOP MOULDING S.R.L.  
72: NINI, Diego

**54: TAMPER-PREVENTING LIQUID DISPENSING TAP WITH AUTOMATIC OPENING**

00: -  
A tamper-preventing liquid-dispensing tap (1, 1B) with automatic opening is described, comprising: a first body (4, 4B) equipped with a removal-preventing and tamper-preventing element with sharpened edge (4.5, 4B.5); an internal valve or membrane with elastic dome (5) contained in the first body (4); a second driving element (3) contained in and operatively coupled with the valve or membrane (5); and a cap (2, 2B) equipped with integrated sealing elements (2.1, 2.2, 2.6, 2.8; 2B.1, 2B.2, 2B.6, 2B.8) which remain fastened to the cap (2, 2B), which is stably constrained with the first body (4, 4B) forming a single component which cannot be divided, the cap (2, 2B) being further operatively coupled with the second driving element (3); wherein the second driving element (3) is designed to be driven by the cap (2) to allow opening and simultaneously breaking the seal elements (2.1, 2.2, 2.6, 2.8; 2B.1, 2B.2, 2B.6, 2B.8) of the tap (1, 1B).



21: 2022/06113. 22: 2022/06/01. 43: 2022/12/07  
 51: B60K; H01M  
 71: ARCELORMITTAL  
 72: Nicolas SCHNEIDER  
**54: REINFORCED CARRIER DEVICE FOR A BATTERY PACK AND PROCESS FOR THE ASSEMBLING OF A REINFORCED BATTERY PACK**

00: -  
 The invention relates to a carrier device comprising a reinforcement arrangement (9) comprising: • at least two adjacent reinforcement hollow portions (24, 25) both being traversed by the side wall (3) of the carrier device (2) and each made of an inner reinforcement hollow section (26, 27) of the inner reinforcement piece (14) and an outer reinforcement hollow (28, 29) section of the outer reinforcement piece (19), both reinforcement hollow sections being at least partially facing each other, and • a longitudinal reinforcement fastening portion (30) located between the adjacent reinforcement hollow portions (24, 25), secured to the side wall (3), and made of an inner reinforcement fastening section (31) of the inner reinforcement piece (14) and an outer reinforcement fastening section (32) of the outer reinforcement piece (19), both reinforcement fastening sections (31, 32) being at least partially facing each other.

21: 2022/06159. 22: 2022/06/02. 43: 2022/12/05

51: B01D

71: EAMBIENT UK LIMITED

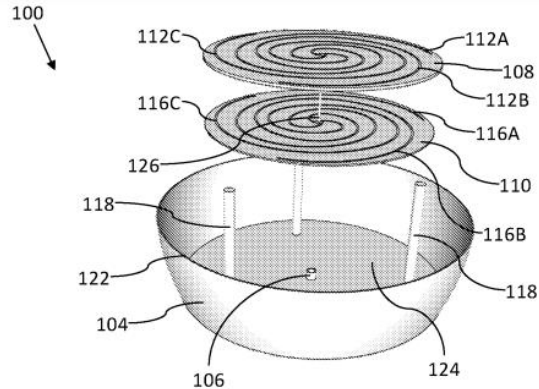
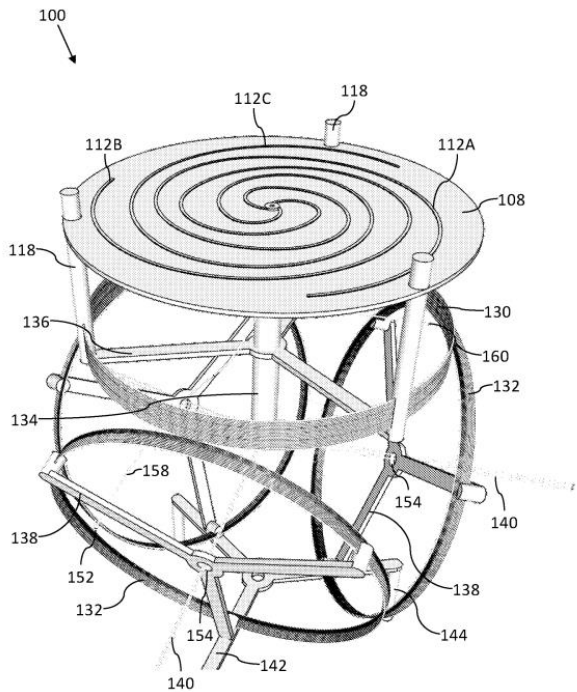
72: POLLARD, John-Paul

33: US 31: 63/296,143 32: 2022-01-03

**54: DEVICE FOR REDUCTION OF MOISTURE IN POROUS MATERIALS**

00: -

A device for reduction of moisture in porous materials is provided, the device comprising: a conductive board comprising: a first side and a second side, one or more conductive track arranged in a spiral on the first side, one or more conductive track arranged in a spiral on the second side, and a conductive coupler extending from a radially inner core of the second side of the conductive board to a conductive hub, wherein the conductive coupler includes a terminal connected to a switch, and wherein the switch prevents the flow of electricity through the conductive coupler and allows the flow of electricity through the conductive coupler; a primary coil oriented below the conductive board, the primary coil including a coil of wire formed from a conductive material; a plurality of secondary coils oriented below the primary coil, the secondary coils including coils of wire formed from a conductive material



21: 2022/06160. 22: 2022/06/02. 43: 2022/12/05  
51: B01D

71: EAMBIENT UK LIMITED

72: POLLARD, John-Paul

33: US 31: 63/296,140 32: 2022-01-03

**54: DEVICE FOR REDUCTION OF MOISTURE IN POROUS MATERIALS**

00: -

A device for reduction of moisture in porous materials is provided, the device comprising: an upper conductive board comprising: a first side and a second side, three conductive tracks arranged in a spiral on the first side, and three conductive tracks arranged in a spiral on the second side; a lower conductive board comprising: a first side, three conductive tracks arranged in a spiral on the first side; and a conductive coupler extending from a radially inner core of the first side of the lower conductive board to a radially inner core of the second side of the upper conductive board, wherein the conductive coupler includes a terminal connected to a switch, and wherein the switch prevents the flow of electricity through the conductive coupler and allows the flow of electricity through the conductive coupler.

21: 2022/06163. 22: 2022/06/02. 43: 2022/11/21  
51: A61K

71: VERU INC.

72: STEINER, Mitchell, S., BARNETTE, Kester, Gary

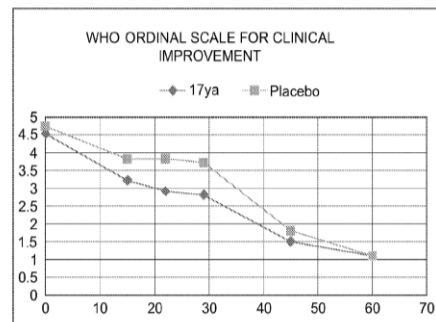
33: US 31: 63/004,781 32: 2020-04-03

33: US 31: 63/145,886 32: 2021-02-04

**54: METHODS OF TREATING CORONAVIRUS**

00: -

The present invention relates to methods of treating coronavirus infections using compounds having anti-tubulin or tubulin disruption activity.



21: 2022/06197. 22: 2022/06/03. 43: 2022/12/05  
51: A01H

71: Northeast Normal University

72: Ying, WU, Bao, LIU, Guo, LI, Xu, HAN, Jiahao, LI, Ting, LUO, Yue, SUN, Xiuyun, LIN, Jian, MA, Lei, GONG

33: WO 31: PCT/CN2020/105358 32: 2020-07-29

33: CN 31: 202010472618.3 32: 2020-05-29

**54: BREEDING METHOD USING RICE INDICA-JAPONICA INTERSUBSPECIFIC TETRAPLOID RECOMBINANT INBRED LINES**

00: -

The present invention discloses a breeding method using rice indica-japonica inter-subspecific hybrid/doubled tetraploid recombinant inbred lines.



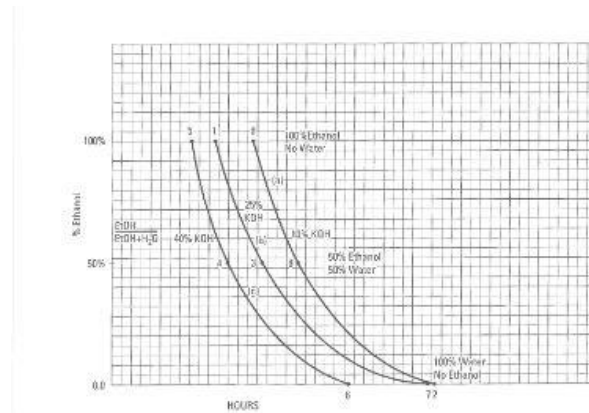
The method of the present invention includes the following steps: hybridize indica rice with japonica rice; double to tetraploids; self the tetraploids, and select tetraploid recombinant inbred lines with desired traits; obtain diploids with desired traits by means of genome ploidy reduction which are the rice breeding materials with desired traits. The present invention overcomes the sterility of indica-japonica F1 hybrids and uses the tetraploid as a platform that allows rapid induction of a large number of genomic variations by taking advantage of the high tolerance of the tetraploid to genomic in-stability. The tetraploid recombinant inbred lines with genomic variations (such as containing partial homologous chromosome fragment exchange) in the genome and diverse phenotypes can be quickly obtained in their inbred progenies. The diploid restorer lines induced by means of chromosome ploidy reduction can inherit most of the phenotypes and the resistance characteristics of their parental tetraploids. The present invention is of great significance for rice breeding.

21: 2022/06214. 22: 2022/06/03. 43: 2022/12/05  
 51: G09B  
 71: GAZVODA, Edward A  
 72: GAZVODA, Edward A, HYSLOP, Richard M., BROWN, Corina E.

33: US 31: 62/931,050 32: 2019-11-05  
 33: US 31: 17/089,547 32: 2020-11-04

**54: ACCELERATED TISSUE DISSOLUTION**

00: -  
 Methods forth chemical dissolution of human and other cadavers, such as pets as an example, using ethanolic potassium hydroxide (KOH) or ethanol-water solutions of KOH at atmospheric pressure are described. After acid neutralization, to a neutral pH range, the resulting solutions may be applied to the earth for disposal as fertilizer, or further treated using hydrogen peroxide. Use of ethanol has been found to reduce the dissolution time of the cadavers to approximately two hours for high concentrations of KOH.



21: 2022/06237. 22: 2022/06/06. 43: 2022/12/07  
 51: B60G; B60K; B62D; B62K  
 71: RAWLINSON, Rodney Ian  
 72: RAWLINSON, Rodney Ian

**54: VEHICLE**

00: -  
 THIS invention relates to a type of vehicle. More specifically, the invention relates to a personal mobility three or four-wheeled vehicle incorporating a rider platform pivot-mounted to side frames for enabling the rider, when standing or sitting and without the need to place their feet onto the road surface, to physically balance and control the vehicle at all speeds and to keep it upright when stopping or when reversing. By straddling the rider platform, and through manipulation of the vehicle's handle bar, a rider is capable of tilting the vehicle wheels to the left or right of vertical as required. The vehicle includes a platform for supporting a rider, a pair of primary assemblies pivotally connected to a first connecting end of the platform; at least one secondary wheel assembly pivotally connected to a second connecting end of the platform, at least one transverse connector pivotally connected to the primary wheel assemblies so as to constrain the primary wheel assemblies to a synchronous lateral tilting movement relative to the platform, and at least one longitudinal connector rigidly connecting the secondary wheel assembly in a manner to constrain it to a lateral tilting movement synchronous with the primary wheel assemblies. The first and second connecting ends of the platform delimit a longitudinal platform span, longitudinally outside of which the wheel assemblies lie such that at least an upper support surface of lateral sides of the platform are clear from obstruction to enable lateral step-on entry

onto the platform by the rider from either lateral side thereof.

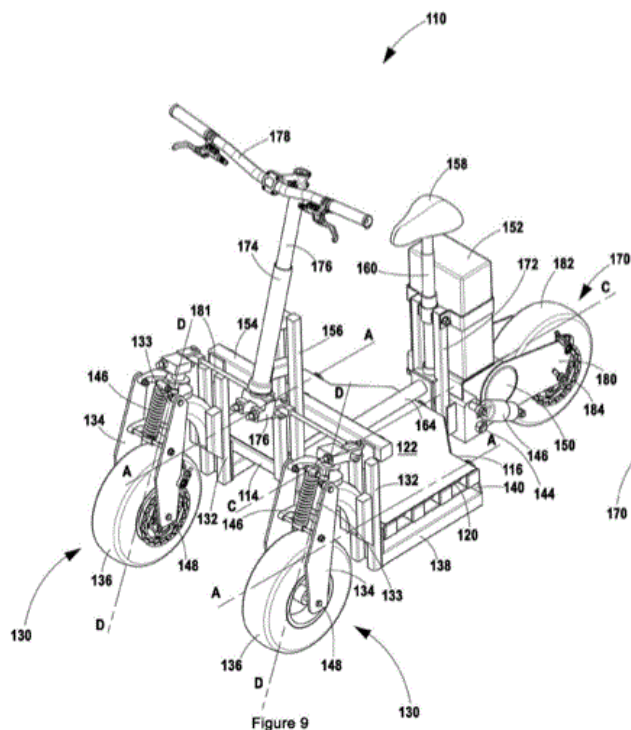
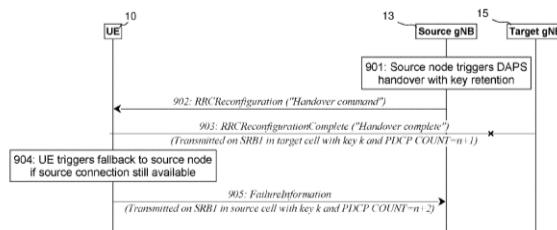


Figure 9

21: 2022/06251. 22: 2022/06/06. 43: 2022/12/07  
 51: H04L; H04W  
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)  
 72: OHLSSON, Oscar, RUNE, Johan, WALLENTIN, Pontus, PERSSON, Claes-Göran  
 33: US 31: 62/975,816 32: 2020-02-13  
**54: RADIO NETWORK NODE, USER EQUIPMENT (UE) AND METHODS PERFORMED THEREIN**  
 00: -

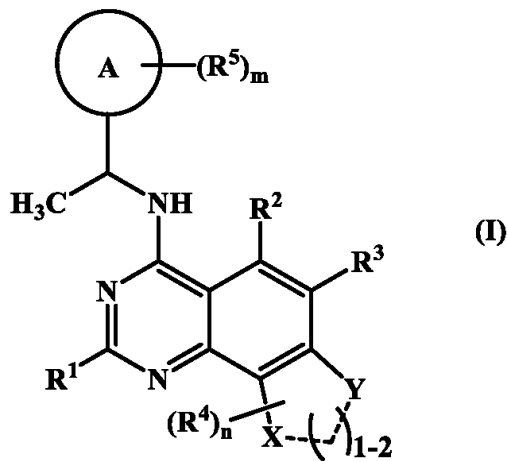
Embodiments herein relate to for example a method performed by a radio network node for handling a communication of a user equipment, UE, in a wireless communication network. The radio network node transmits a handover command for handing over the UE, from a source cell to a target cell, wherein a security parameter for encrypting data communicated between the radio network node and the UE is retained during the handover. Furthermore the radio network node maintains a sequence number status for reception and/or transmission of a signalling radio bearer of the UE during the handover from the source cell to the target cell, and/or at a fallback from the target cell to the source

cell, when the UE triggers the fallback to the source cell.



21: 2022/06253. 22: 2022/06/06. 43: 2022/12/07  
 51: A61K; C07D; A61P  
 71: LUPIN LIMITED  
 72: SETHI, Sachin, NAIR, Prathap Sreedharan, SHUKLA, Manojkumar Ramprasad, SINDKHEDKAR, Milind Dattatraya, PALLE, Venkata P., KAMBOJ, Rajender Kumar, PHUKAN, Samiron, PATIL, Pradeep Rangrao, KAKADE, Ganesh, KHEDKAR, Nilesh Raghunath, DUBE, Dagadu, TAMBE, Vikas Sitaram, BALGUDE, Sudhakar Maruti, WAGH, Pradip Balu  
 33: IN 31: 201921049157 32: 2019-11-29  
 33: IN 31: 202021035414 32: 2020-08-17  
**54: SUBSTITUTED TRICYCLIC COMPOUNDS**  
 00: -

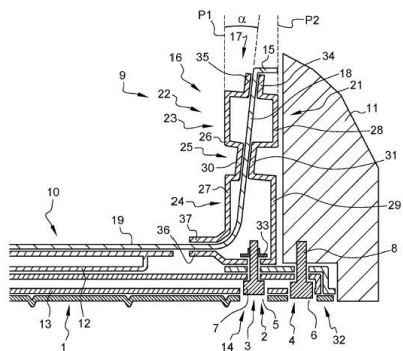
Disclosed are compounds of the general formula (I), its tautomeric form, its stereoisomer, its pharmaceutically acceptable salt, its polymorph, or solvate thereof, Formula (I) wherein, ring A, R<sup>1</sup> to R<sup>5</sup>, X, Y, m, and n are as defined herein, for use as SOS1 inhibitors in the treatment of proliferative, infectious and RASopathy diseases or disorders. Also disclosed are methods of synthesizing the compound of formula I, pharmaceutical compositions containing the compound of formula I, method of treatment of proliferative, infectious and RASopathy diseases or disorder, for example, a cancer, by administering the said compound and combinations of the compound of formula I with other active ingredients.



21: 2022/06391. 22: 2022/06/08. 43: 2022/12/12  
 51: B60K; B60L; H01M  
 71: ARCELORMITTAL

72: Nicolas SCHNEIDER, Kevin BARDIN  
 33: IB 31: PCT/IB2019/061330 32: 2019-12-24  
**54: PROTECTIVE ELEMENT FOR A BATTERY PACK OF A HYBRID OR ELECTRIC VEHICLE AND PROCESS FOR THE ASSEMBLING OF A REINFORCED BATTERY PACK**

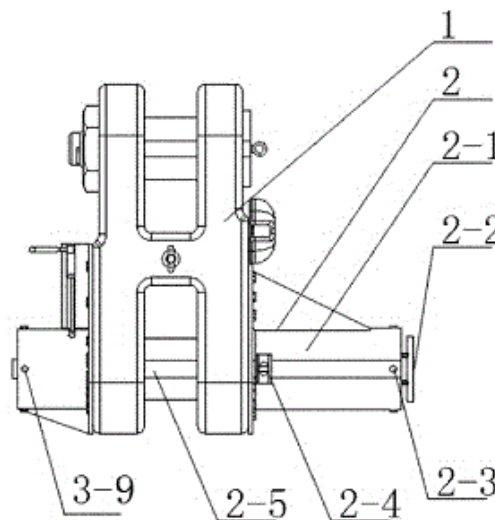
00: -  
 The invention relates to a protective element (1) named shield element for a battery pack of an electric or hybrid vehicle, wherein said protective element (1) comprises securing means (2) configured to removably secure the shield element (1) both to the battery pack and to a body (11) of the vehicle.



21: 2022/07334. 22: 2022/07/01. 43: 2022/11/15  
 51: B63B  
 71: JIANGSU YAXING ANCHOR CHAIN CO., LTD  
 72: TAO, XING, XV, HONGBO, DONG, XING, TAO, ANXIANG, TAO, LIANGFENG, ZHANG, WEIXING, LI, JIAN, SHAO, YUNLIANG

33: CN 31: 201911226989.7 32: 2019-12-04  
**54: UNDERWATER DISASSEMBLY AND ASSEMBLY MODULE FOR DEDICATED SHACKLE**

00: -  
 An underwater disassembly and assembly module for a dedicated shackle comprises: a lateral pin disassembly and assembly module (2) and a nut disassembly and assembly module (3). The lateral pin disassembly and assembly module (2) comprises a lateral pin sleeve (2-1), a ROV lateral pin handle (2-2), a lateral pin stopper pin (2-3), a ROV lateral pin retaining pin (2-4), a lateral pin (2-5), and a roller bearing (2-6). The nut disassembly and assembly module (3) comprises a nut (3-1), a ROV nut handle (3-2), a nut sleeve (3-3), a nut retaining pin (3-4), a guide rail (3-5), a ROV sliding block retaining pin (3-6), a sliding block (3-7), a ROV sliding block handle (3-8), a nut stopper pin (3-9). The present structure ensures that ROV robots achieve an underwater disassembly and assembly function, and meet requirements for connection performance and use performance while facilitating assembly and disassembly operations, thereby completing underwater installation tasks simply by pushing, pulling, and rotating operations, and are reusable.

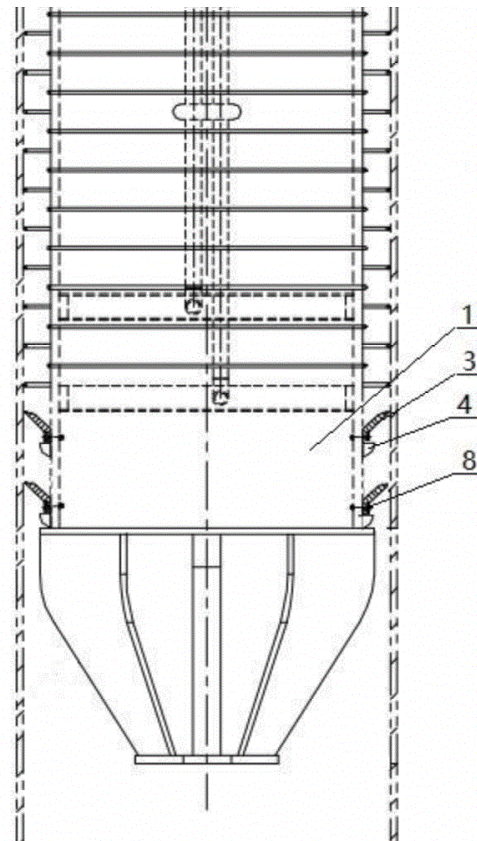


21: 2022/07689. 22: 2022/07/12. 43: 2022/11/02  
 51: E02B  
 71: Nantong Taisheng Blue Island Ocean Engineering Co., Ltd.  
 72: YIN, Liufeng, GUO, Wei  
 33: CN 31: 202210533816.5 32: 2022-05-17

**54: PROCESS FOR INSTALLING SEAL RING OF JACKET FOUNDATION OF FOUR-PILE WIND TURBINE**

00: -

The present invention relates to a process for installing a seal ring of a jacket foundation of a four-pile wind turbine, the process includes following steps: S1. Pre-drilling a plurality of evenly distributed first bolt holes on the base rod of the jacket foundation, and grinding positions of the first bolt holes on the outer surface of the base rod smoothly; S2. Prefabricating a seal ring and a plurality of support tables. The seal ring includes a circular part and an inclined opening part arranged at the upper end of the circular part. S3. Positioning a seal ring horizontal rotation mechanism on the base rod; S4. Lifting the seal ring onto a plurality of support tables, and sleeving the seal ring on the base rod; S5. Longitudinally inserting a plurality of gaskets between the inner wall of the circular part of the seal ring and the outer wall of the base rod in an even manner along the circumference; S7. Removing the seal ring horizontal rotation mechanism by cutting. The present invention has the following advantages: ensuring the alignment accuracy between the bolt holes of the base rod and the bolt holes of the seal ring and guaranteeing the stability of the connection between the seal ring and the base rod.



21: 2022/08516. 22: 2022/07/29. 43: 2022/11/16

51: H01H

71: PowerOptimal (Pty) Limited

72: THERON, Jacob Johannes

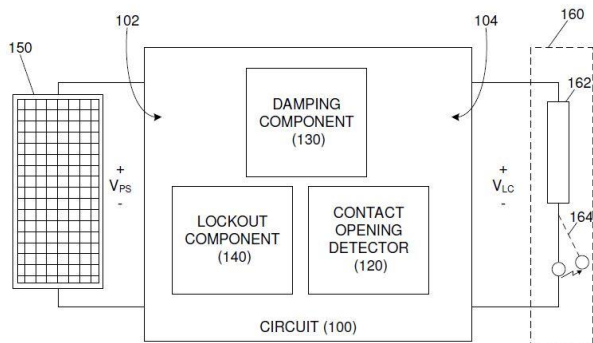
33: GB 31: 2001707.5 32: 2020-02-07

**54: METHOD AND CIRCUIT FOR ENABLING A DIRECT CURRENT SOURCE TO POWER A LOAD CIRCUIT DESIGNED FOR ALTERNATING CURRENT INPUT**

00: -

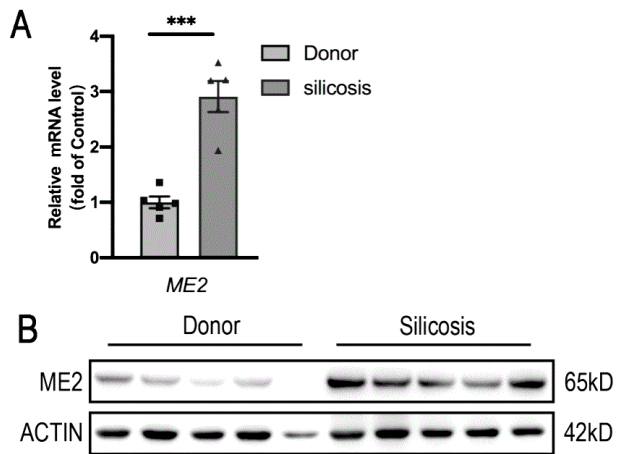
A circuit and method is disclosed enabling a direct current (DC) power source to power a load circuit designed for alternating current (AC) input. The circuit is arranged to be connected between a DC power source and a load circuit in which the load circuit includes an electric load and a switch with a mechanical contact in series with the load. The circuit comprises a contact opening detector arranged to detect an opening event of the switch contact and a damping component arranged to be triggered in response to the contact opening detector detecting a contact opening event. The triggered damping component causes a momentary lowering of a load circuit input voltage, such that the

momentary lowering of the load circuit input voltage prevents the sustaining of an electric arc across the opened switch contact.



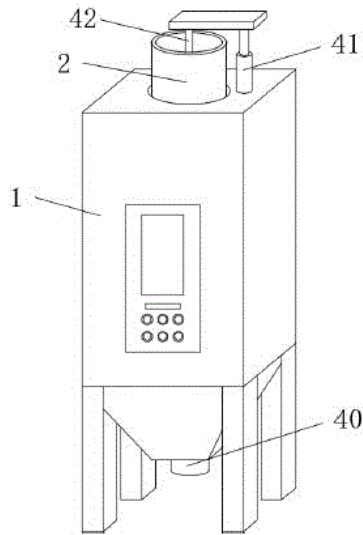
21: 2022/09808. 22: 2022/09/02. 43: 2022/10/25  
 51: A61K; C07D; A61P  
 71: Institute of Basic Medical Sciences of Chinese Academy of Medical Sciences  
 72: WANG, Jing, ZHANG, Tiantian, SUN, Youliang, QI, Xianmei  
 33: CN 31: 202210703092.4 32: 2022-06-21  
**54: USE OF MALIC ENZYME 2 IN PREPARATION OF DIAGNOSTIC REAGENT OR MEDICAMENT FOR SILICOSIS OR PULMONARY FIBROSIS-RELATED DISEASE**

00: -  
 The present disclosure provides use of malic enzyme 2 (ME2) in preparation of a diagnostic reagent or a medicament for silicosis or pulmonary fibrosis-related diseases, and belongs to the technical fields of medical treatment and medicine. Research results of the present disclosure show that ME2 knockout significantly alleviates inflammatory response and fibrotic lesions in mice with silicosis. Based on the above research results, the present disclosure provides use of ME2 in treatment of pulmonary inflammatory responses and pulmonary fibrotic lesions of silicosis or pulmonary fibrosis-related diseases. Expression of ME2 is inhibited to alleviate the inflammatory response and fibrotic lesions of the silicosis, providing support for exploring a targeted drug for treating pulmonary inflammatory responses and pulmonary fibrosis of silicosis or pulmonary fibrosis-related diseases



21: 2022/09887. 22: 2022/09/05. 43: 2022/10/27  
 51: B02C  
 71: China Construction Second Engineering Bureau Shenzhen Construction Investment Development Co., Ltd., The First Construction Engineering Company Ltd. of China Construction Second Engineering Bureau  
 72: LIU, Ziqiang, LONG, Jiayu, PAN, Yangming, HUANG, Bo  
 33: CN 31: 202210610087.9 32: 2022-05-31  
**54: CRUSHING DEVICE WITH LARGE-VOLUME CONCRETE AGGLOMERATION SCREENING AND CRUSHING FUNCTIONS**

00: -  
 Disclosed is a crushing device with large-volume concrete agglomeration screening and crushing functions, comprising a processing box, a screening tank is rotatably installed on the top of the processing box and the bottom of the screening tank extends into the processing box, a screening mechanism is provided in the screening tank; the screening mechanism comprises a semi-conical cover plate, a plurality of coarse holes, a plurality of fine holes, a cylinder, a plurality of blanking holes, a first outer gear ring, a first motor, a driving rod and a first gear; the semi-conical cover plate is fixedly installed in the screening tank, the plurality of the coarse holes are all provided on the semi-conical cover plate, the plurality of the fine holes are all provided on the bottom of the semi-conical cover plate.



21: 2022/09888. 22: 2022/09/05. 43: 2022/10/27  
51: C07K

71: Shenzhen Fairy Lake Botanical Garden  
72: LI, Lingfei, REN, Guiping, LI, Na

**54: GENE FOR CONTROLLING THE SIZE OF PLANT PETAL AND USE THEREOF**

00: -

The present disclosure relates to the field of plant genetic engineering, and discloses a gene for controlling the size of plant petals and use thereof. Wherein, the present disclosure provides a GhPS1 gene for controlling the size of plant petals, the nucleotide sequence of which is shown in SEQ ID NO. 1, the present disclosure also provides a recombinant vector and an engineered strain for controlling the size of plant petals. The present disclosure also provides a recombinant expression vector and an engineering strain. The GhPS1 gene, the recombinant vector or the engineered strain for controlling the size of plant petals provided by the present disclosure controls size of the petals by controlling cell expansion, thereby improving flower production. The present disclosure clones a GhPS1 gene from Gerbera, and verifies that the gene has the function of controlling the size of plant petals. By experimental verification, overexpression or silencing of the gene can obtain transgenic plants smaller or larger than wild-type plant petals. The gene of the present disclosure can provide theoretical basis and gene source for cultivating new flower varieties.

21: 2022/10285. 22: 2022/09/16. 43: 2022/11/04  
51: F16G

71: SHAW-ALMEX INDUSTRIES

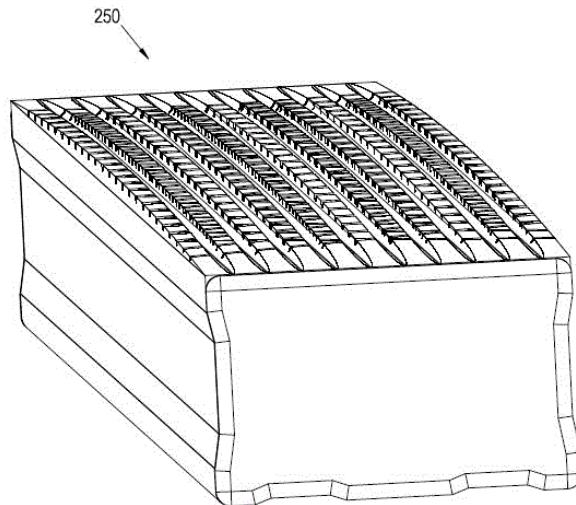
72: SHAW, Timothy Glen

33: ZA 31: 2021/06822 32: 2021-09-17

**54: A Clamp Assembly for a Conveyor Belt**

00: -

A clamp assembly is for a conveyor belt and includes a pair of elongate beams defining opposing clamping faces configured to accommodate the conveyor belt there-between and a pair of clamps configured to be provided respectively at each end of the beams, operable to impart a clamping force to the beams. The opposed clamping faces are convexly curved to compensate, at least partially, for bending in the beams caused by the clamping force. The clamps may comprise interlocking parts.



21: 2022/10444. 22: 2022/09/21. 43: 2022/11/21  
51: A61K; A61P

71: "CHEMIMMUNE THERAPEUTICS" LIMITED LIABILITY COMPANY

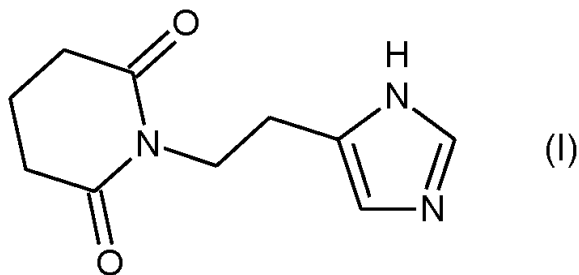
72: NEBOLSIN, Vladimir Evgenievich

33: RU 31: 2018141291 32: 2018-11-23

**54: USE OF GLUTARIMIDE DERIVATIVE FOR OVERCOMING STEROID RESISTANCE AND TREATING DISEASES ASSOCIATED WITH ABERRANT INTERFERON GAMMA SIGNALING**

00: -

The present invention relates to medicine, particularly to a novel drug that is effective for treating patients suffering from a cough, by using a 1-(2-(1H-imidazol-4-yl)ethyl)piperidine-2,6-dione compound (formula I).



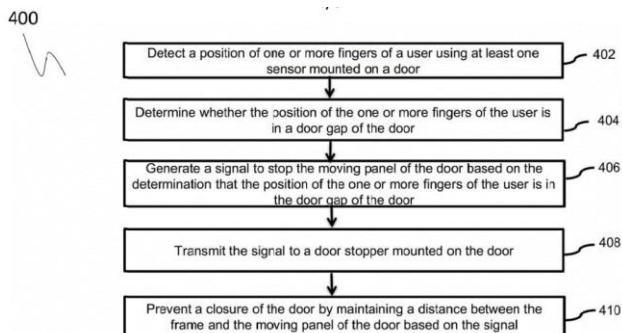
21: 2022/10453. 22: 2022/09/21. 43: 2022/11/21  
 51: E05D; E06B  
 71: Mirza Faizan

72: Mirza Faizan, Ayat Faizan, Vihan Yerubandi  
 33: US 31: 17902948 32: 2022-09-05

**54: PREVENTING FINGER OF A USER FROM PINCH IN A DOOR GAP**

00: -

Embodiments of the present disclosure provide a method for preventing a finger of a user from pinch in a door gap. The method comprises detecting a position of one or 5 more fingers of a user using at least one sensor mounted on a door, determining whether the position of the one or more fingers of the user is in a door gap of the door, generating a signal to stop the moving panel of the door based on the determination that the position of the one or more fingers of the user is in the door gap of the door, transmitting the signal to a door stopper mounted on the door, and 10 preventing a closure of the door by maintaining a distance between the frame and the moving panel of the door based on the signal. The corresponding system and computer-readable storage medium is also disclosed.



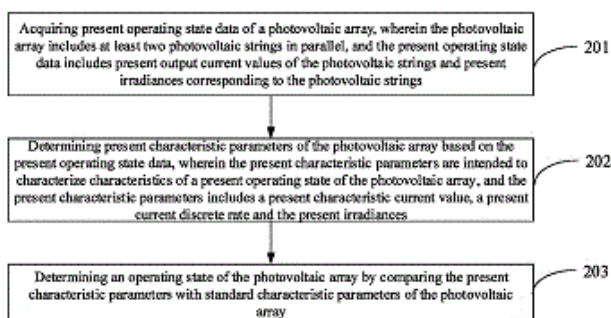
21: 2022/10573. 22: 2022/09/23. 43: 2022/11/03  
 51: H02S  
 71: ENVISION DIGITAL INTERNATIONAL PTE. LTD. , SHANGHAI ENVISION DIGITAL CO., LTD.  
 72: YANG, JINLIN, CHANG, JING, SUN, JIE, JIAN, KANG, LI, ZHOUSHENG, JIANG, HUIRONG

33: CN 31: 202010177188.2 32: 2020-03-13

**54: METHOD AND APPARATUS FOR DETERMINING OPERATING STATE OF PHOTOVOLTAIC ARRAY, DEVICE AND STORAGE MEDIUM**

00: -

Embodiments of the present disclosure disclose a method and an apparatus for determining an operating state of a photovoltaic array, a device and a storage medium thereof, which belong to the field of photovoltaic technologies. The method includes: acquiring present operating state data of a photovoltaic array, wherein the photovoltaic array includes at least two photovoltaic strings in parallel, and the present operating state data includes present output current values of the photovoltaic strings and present irradiances corresponding to the photovoltaic strings; determining present characteristic parameters of the photovoltaic array based on the present operating state data, wherein the present characteristic parameters include a present characteristic current value, a present current discrete rate and the present irradiances; and determining an operating state of the photovoltaic array by comparing the present characteristic parameters with standard characteristic parameters of the photovoltaic array. Determining a present operating state of a photovoltaic array by comparing present characteristic parameters determined based on real-time operating state data with standard characteristic parameters may improve the accuracy of determining the operating state of the photovoltaic array.



21: 2022/10699. 22: 2022/09/27. 43: 2022/11/03  
 51: G06N; H02S  
 71: ENVISION DIGITAL INTERNATIONAL PTE. LTD. , SHANGHAI ENVISION DIGITAL CO., LTD.

72: YANG, JINLIN, CHANG, JING, SUN, JIE, JIAN, KANG, LI, ZHOUSHENG, JIANG, HUIRONG  
 33: CN 31: 202010177887.7 32: 2020-03-13

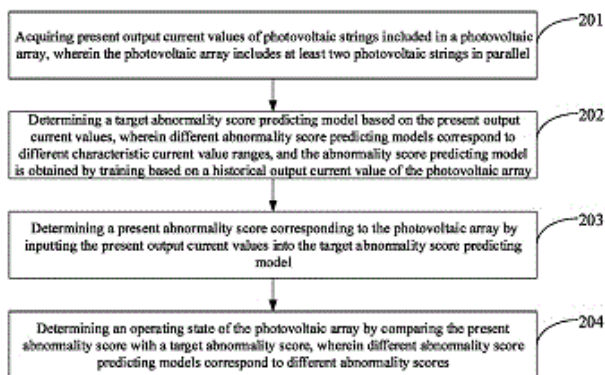
**54: METHOD AND APPARATUS FOR DETERMINING OPERATING STATE OF PHOTOVOLTAIC ARRAY, DEVICE AND STORAGE MEDIUM**

00: -  
 Embodiments of the present disclosure disclose a method and an apparatus for determining an operating state of a photovoltaic array, a device and a storage medium thereof, which belong to the field of photovoltaic technologies. The method includes: acquiring present output current values of photovoltaic strings included in a photovoltaic array, wherein the photovoltaic array includes at least two photovoltaic strings in parallel; determining a target abnormality score predicting model based on the present output current values; determining a present abnormality score corresponding to the photovoltaic array by inputting the present output current values into the target abnormality score predicting model; and determining the operating state of the photovoltaic array by comparing the present abnormality score with a target abnormality score. The present abnormality score is output by inputting the present output current values acquired in real-time into the abnormality score predicting model, so as to determine the operating state of the photovoltaic array. Compared to a method for determining an operating state through an infrared image in the related arts, the interference of the ambient temperature on the infrared image can be avoided, thereby improving the accuracy of determining the operating state of the photovoltaic array.

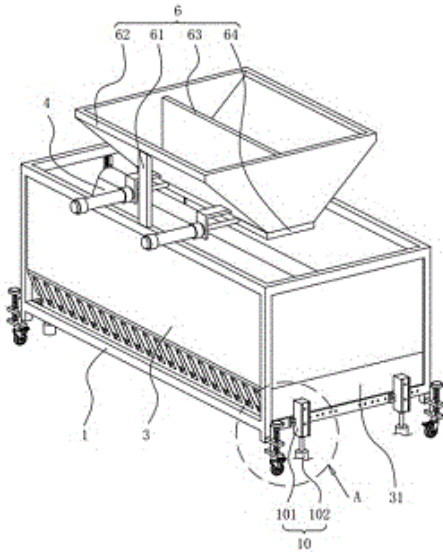
21: 2022/10824. 22: 2022/09/30. 43: 2022/11/03  
 51: E01C

71: CHINA RAILWAY FIRST GROUP CO.,LTD., CHINA RAILWAY FIRST GROUP BUILDING & INSTALLATION ENGINEERING CO.,LTD.  
 72: ZHANG , HAILIANG , ZHANG , FENGCHAO , YANG, DONGLEI, YANG, ZHIMING, ZHANG, WEI, ZHANG, MING, ZENG, TING, FENG, XIAOPENG  
**54: DRAINAGE DITCH CONSTRUCTION TECHNOLOGY AND POURING APPARATUS FOR CONSTRUCTION**

00: -  
 Disclosed are a drainage ditch construction technology and pouring apparatus for construction, which related to the field of drainage ditch construction, including a frame body, a sliding plate, an enclosing frame and two discharging devices; the enclosing frame is arranged on the frame body and the sliding plate is arranged on the inner side of the enclosing frame; the sliding plate is inclined downward from the middle to both sides; a highest edge of the sliding plate is set as a receiving edge and two lowest edges of the sliding plate are set as discharging edges; a discharging gap is formed between each of the discharging edges and the bottom of the enclosing frame; the two discharging devices are provided at the discharging gaps correspondingly; each of the discharging devices includes two guiding plates, and one of the guiding plates is hinged with the enclosing frame and the other guiding plate is hinged with the enclosing frame; during construction, after digging out the ditch groove, pouring concrete into the ditch groove with the pouring apparatus. The present application has an effect of reducing the waste of concrete.







21: 2022/10975. 22: 2022/10/06. 43: 2022/11/21  
 51: B64D  
 71: AEROSPACE LIFE-SUPPORT INDUSTRIES LTD

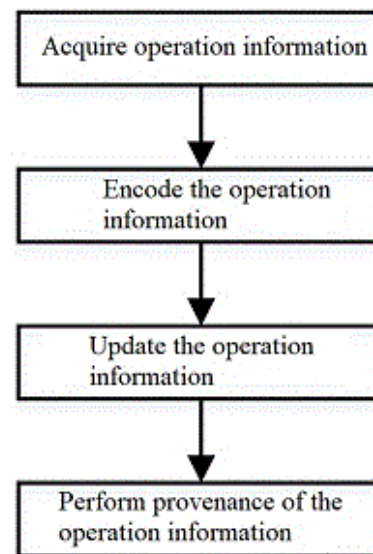
72: LI, GAOCHAO, MA, JINGUI, FU, TAIHUA  
**54: METHOD FOR CONTROLLING EJECTION OVERLOAD OF ROCKET EJECTION SEAT**

00: -  
 A method for controlling the ejection overload of a rocket ejection seat, the method comprising: step 1, by means of calculating ballistic performance, obtaining a stroke of a dynamic response index (DRI) at 21°C and the minimum ejection mass; step 2, preliminarily determining the diameter of a vent hole, and respectively calculating, before the obtained stroke in step 1 and after a venting condition is added, the ballistic performance at 70°C and 21°C and the minimum ejection mass; and step 3, by taking the DRI not exceeding 17.5 at 21°C, the DRI not exceeding 21.5 at 70°C, and an initial speed meeting an index requirement as the standard, determining, by means of iteration, the diameter of the vent hole and a stroke where the vent hole is located. During the serialized development process of a rocket ejection seat, the solutions and structures, which are related to the ballistic performance, of a projectile and an ejection gun remain unchanged; and when the range of an ejection mass changes, it is guaranteed that an initial ejection speed and a DRI of the physiological tolerance limit of a human body meet requirements.

21: 2022/10976. 22: 2022/10/06. 43: 2022/11/21  
 51: G06T  
 71: NANJING NORMAL UNIVERSITY  
 72: LUO, WEN, YU, ZHAOYUAN, YUAN, LINWANG, LV, GUONIAN, HU, JINGYAO  
 33: CN 31: 202010423447.5 32: 2020-05-19

**54: IMAGE OPERATION INFORMATION HIERARCHICAL CODING AND TRACING METHOD**

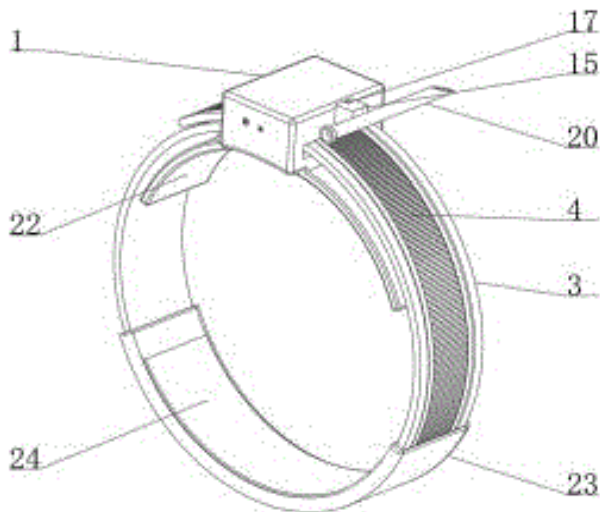
00: -  
 An image operation information hierarchical coding and traceability method, comprising the following steps: (1) acquisition of operation information; (2) encoding of operation information; (3) updating of operation information; and (4) tracing of operation information. In the present method, image data operation information having a hierarchical structure is obtained, an outer product operation and multiple vector structure of geometric algebra is used, achieving the unified expression and encoding of image data operation information; on the basis of the encoding update of an operation information node and an operation link, an intersection operator and a dimension operator are used to complete operations such as operation information tracing, reducing the memory usage of tracing information and improving tracing efficiency.



21: 2022/11040. 22: 2022/10/10. 43: 2022/11/29  
 51: A61B  
 71: Jiangxi provincial People's Hospital The First Affiliated Hospital of Nanchang Medical College  
 72: Liu Yang, Hong Wang, Bin Li, Lin Hu

**54: AN ARTERIOGRAPHY PUNCTURE DEVICE FOR CARDIOVASCULAR DEPARTMENT**

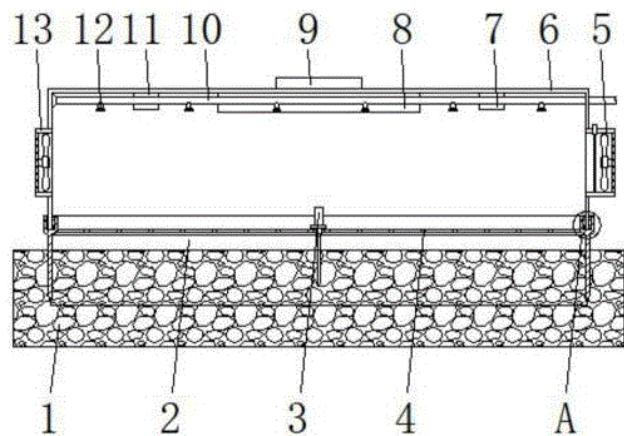
00: -  
 The invention discloses an arteriography puncture device for cardiovascular department, which relates to the technical field of medical instruments. It includes the body. One side of the body is fixedly connected with a fixed rod, and one side of the fixed rod is movably connected with a tightening band. The inner side of the tightening band is provided with a groove, and the internal top of the body is fixedly connected with a fixing strip. The internal side of the body is fixedly connected with a finite pole, and one side of the limit pole is movably connected with a self-locking block. The bottom end of the self-locking block is compatible with the groove, and a plurality of springs are fixedly connected between the fixing strip and the self-locking block. The plurality of springs are equally spaced. The invention can realize the connection between the main body and the tightening band by a fixed rod. The tool can be connected with the card slot at one end of the second rotary rod, so as to drive the ratchet to rotate and match with the tooth slot, so as to realize the tightening of the tightening band. The self-locking block can be extruded by a plurality of springs with a fixed strip and the self-locking block so that it is always compatible with the groove.



21: 2022/11052. 22: 2022/10/10. 43: 2023/01/13  
 51: A01G  
 71: Shanghai Academy of Agricultural Sciences  
 72: Sun Pingdong, Zheng Hongjian, Lin Jinyuan,  
 Wang Hui, Hu Yingxiong, Yu Diansi, Guan Yuan, Gu  
 Wei, Wei Jihui, Qin Tao, Shi Biao, Kuang Huiyun

**54: THERMAL INSULATION CULTIVATION DEVICE FOR WAXY CORN BREEDING AND CULTIVATION METHOD THEREOF**

00: -  
 The invention discloses a thermal insulation cultivation device for waxy corn breeding and a cultivation method thereof, which comprises a thermal insulation cultivation device for waxy corn breeding, comprising breeding base soil, a positioning groove, a humidity sensor, an air inlet pipe, a protective cover, a controller, an air outlet pipe, a clamping groove and an electric heating wire; the positioning groove is inserted into the breeding base soil; the upper end of the positioning groove is sleeved with a protective cover; the outer walls of both sides of the protective cover are respectively provided with an air inlet pipe and an air outlet pipe; a grid plate is arranged in the positioning groove; through holes are arranged at the middle position of the grid plate; a humidity sensor is arranged in the through hole; a water pipe is inserted into the upper end of the protective cover; the lower surface of the water pipe is embedded with nozzles distributed at equal intervals; a first lampshade, a second lampshade, a first temperature sensor and a second temperature sensor are symmetrically installed on the inner wall of the top of the protective cover. According to the invention, the air inlet pipe and the air outlet pipe are arranged to control the internal temperature of the protective cover, which is conducive to the breeding work.



21: 2022/11055. 22: 2022/10/10. 43: 2023/01/04  
 51: C07H  
 71: Leshan Normal University  
 72: Chen Fengzheng, Li Shuhua

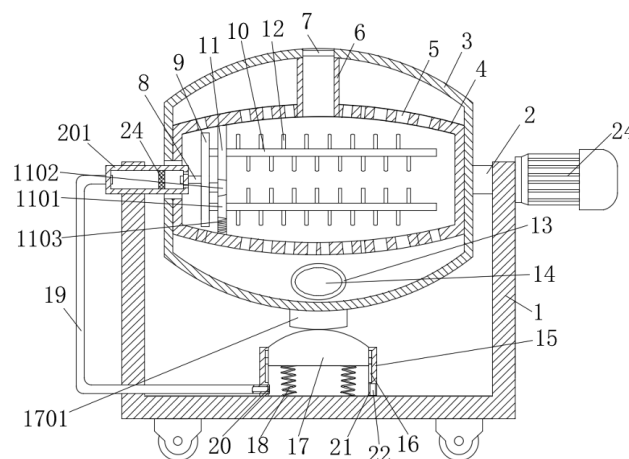
**54: NEW GLYCOSIDE COMPOUND AS WELL AS SEPARATION AND EXTRACTION METHOD AND APPLICATION THEREOF**

00: -  
 The invention discloses a novel glycoside compound as well as a separation and extraction method and an application thereof. The compound is obtained by separating whole grass of red-spotted stonecrop which is used as a raw material, soaking and extracting the whole grass of red-spotted stonecrop at room temperature through ethanol. The compound was identified as a new glucoside compound by <sup>1</sup>H NMR and <sup>13</sup>C NMR. Pharmacological laboratory shows that the new glycoside compound has strong bacteriostatic activity on a variety of bacteria.

21: 2022/11203. 22: 2022/10/13. 43: 2023/01/09  
 51: A01F  
 71: ZHEJIANG INSTITUTE OF LANDSCAPE PLANTS AND FLOWERS (ZHEJIANG XIAOSHAN INSTITUTE OF COTTON AND BAST FIBER CROPS RESEARCH), HANGZHOU AGRICULTURAL TECHNOLOGY PROMOTION CENTER, ZHANGJIAJIE RESEARCH INSTITUTE OF AGRICULTURAL SCIENCES AND TECHNOLOGY, LU'AN ACADEMY OF AGRICULTURAL SCIENCES, XINYANG ACADEMY OF AGRICULTURAL SCIENCES  
 72: AN, Xia, WEI, Jiqian, DONG, Guoyun, HU, Wanqun, ZHANG, Lixia, LUO, Xiahong, ZOU, Lina, LI, Wenlue, LIU, Tingting, ZHU, Guanlin, CHEN, Changli

**54: SMALL SUNFLOWER THRESHING DEVICE**

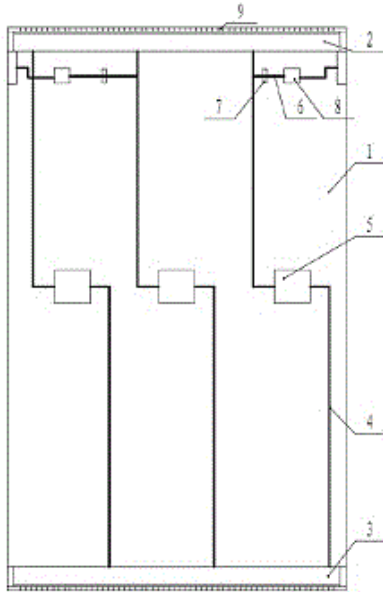
00: -  
 The present disclosure discloses a small sunflower threshing device, belonging to the field of sunflower threshing devices. The small sunflower threshing device includes a support frame, a first rotating rod is rotatably connected to one side of the support frame, a storage cylinder is fixedly connected to one side of the first rotating rod, a second rotating rod is rotatably connected to one side of the storage cylinder, and the second rotating rod is fixedly mounted on one side of the support frame. A threshing cylinder is fixedly connected between the two sides of the inner wall of the storage cylinder, a filter hole penetrates through the surface of the threshing cylinder, and a feeding cylinder penetrates through one side of the threshing cylinder.



21: 2022/11346. 22: 2022/10/17. 43: 2022/11/21  
 51: B66B  
 71: MOUTAI INSTITUTE  
 72: PENG, TIAN, WEI, HUANG, LANG, LI, YUN, LIU, SHIXUN, SHEN, KE, ZHOU, HUAZHONG, FENG, XINYU, AN

**54: FLOW GUIDE DEVICE AND METHOD FOR AUTOMATIC AIR INTAKE AND DISCHARGE OF ELEVATOR**

00: -  
 Disclosed are a flow guide device and method for automatic air intake and discharge of an elevator. The flow guide device comprises an elevator car (1), wherein an upper air collection box (2) and a lower air collection box (3) are disposed on an upper side and a lower side of the elevator car (1) respectively, the upper air collection box (2) is communicated with the lower air collection box (3) through multiple flow guide pipes (4), and a bidirectional exhaust fan (5) is mounted on each flow guide pipe (4). The upper air collection box and the lower air collection box are disposed at the upper end and the lower end of the elevator, the air flow accumulated on one side is guided to the other side through pipes communicated with the upper and lower air collection boxes, as well as the bidirectional exhaust fans to avoid an influence on the elevator, such that the air flow on the two sides of the elevator is balanced to avoid a turbulent flow that may affect air in the elevator, and passengers can take the elevator more comfortably.



21: 2022/11347. 22: 2022/10/17. 43: 2022/11/21  
51: A01G

71: MOUTAI INSTITUTE

72: PENG, TIAN, WEI, HUANG, KE, ZHOU, XIANCHEN, WANG, YU, GAO, GUIQUAN, SHEN, YUANZHAO, YU, BO, XIONG, XINYUE, HU, XUAN, LIU, ZHENGCAI, DING, FAHENG, XU, DAYAO, ZHAO, CHUN, QU, YUANYUAN, LI

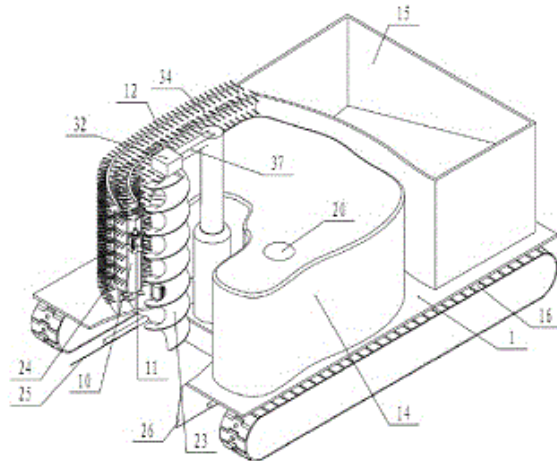
33: CN 31: 202210580311.4 32: 2022-05-25

**54: SOIL COVERING DEVICE FOR TREE PLANTING ROBOT**

00: -

A soil covering device for a tree planting robot comprises a left cover plate and a right cover plate, wherein a lower end of the left cover plate is fixedly connected to an end of a left rotary support rod, a lower end of the right cover plate is fixedly connected to an end of a right rotary support rod, the left rotary support rod and the right rotary support rod are rotatably connected to a left support seat and a right support seat respectively, an inner end of the left support seat and an inner end of the right support seat are fixedly connected to a left sliding bar and a right sliding bar respectively, a lower side of the left sliding bar and a lower side of the right sliding bar are connected into a lifting box through a slider guide rail pair, the left sliding bar and the right sliding bar are connected to a sixth driving motor through a change gear pair, the left rotary support rod is connected to a seventh driving motor through a belt transmission mechanism, and an inner end of the left cover plate and an inner end of the right

cover plate are both of a U-structure. The soil covering device can fulfill a better soil compaction effect and is suitable for soil compaction under different conditions.



21: 2022/11348. 22: 2022/10/17. 43: 2022/11/21  
51: A01G

71: MOUTAI INSTITUTE

72: PENG, TIAN, WEI, HUANG, KE, ZHOU, XIANCHEN, WANG, YU, GAO, GUIQUAN, SHEN, YUANZHAO, YU, BO, XIONG, XINYUE, HU, XUAN, LIU, ZHENGCAI, DING, FAHENG, XU, DAYAO, ZHAO, CHUN, QU, YUANYUAN, LI

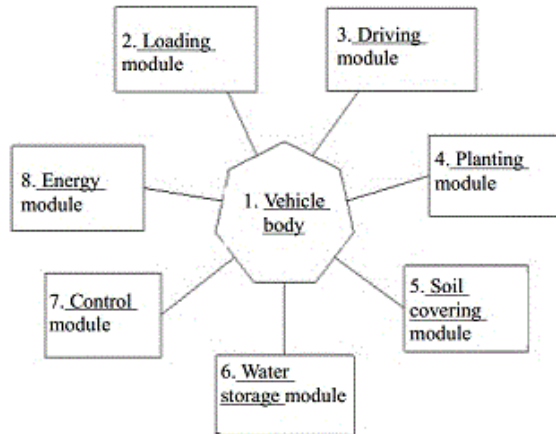
33: CN 31: 202210580298.2 32: 2022-05-25

**54: AUTOMATIC TREE PLANTING ROBOT**

00: -

An automatic tree planting robot comprises a vehicle body, a loading module, a driving module, a planting module, a soil covering module and a water storage module, wherein the loading module, the driving module, the planting module and the water storage module are mounted on the vehicle body; the loading module is used for storing a large quantity of seedlings and conveying the seedlings to the planting module; the driving module is used for driving the vehicle body to travel; the planting module is used for drilling soil and planting the seedlings conveyed from the loading module; the soil covering module is used for covering the planted seedlings with soil; and the water storage module is used for containing water for irrigating the seedlings and a nutrient solution. The robot can travel stably, and can adapt to tree planting within a wide range and adapt to various terrains. The caterpillar design ensures that the robot has the capacity to advance,

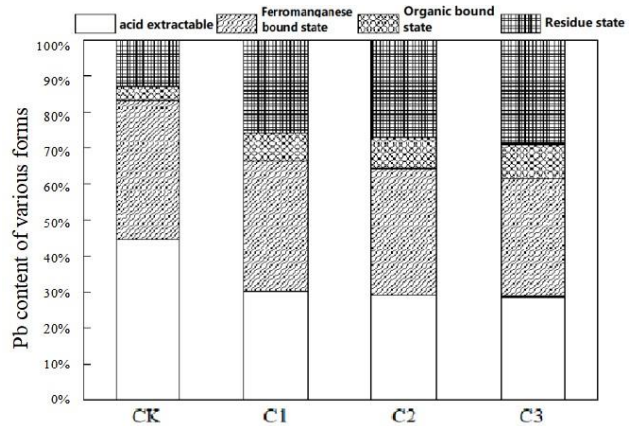
retreat, and turn on the spot, and has the advantage of high maneuverability.



21: 2022/11769. 22: 2022/10/28. 43: 2022/11/30  
 51: A01G; B09C  
 71: CENTRAL SOUTH UNIVERSITY OF FORESTRY & TECHNOLOGY  
 72: SU, Rongkui, LI, Jianfeng, LUO, Yiting, CHEN, Yonghua, OU, Qiqi

**54: A REMEDIATION METHOD OF LEAD AND ZINC CONTAMINATED SOIL WITH INORGANIC MODIFIERS AND PLANTS**

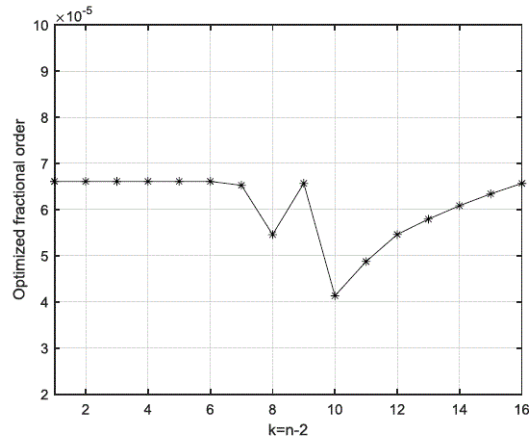
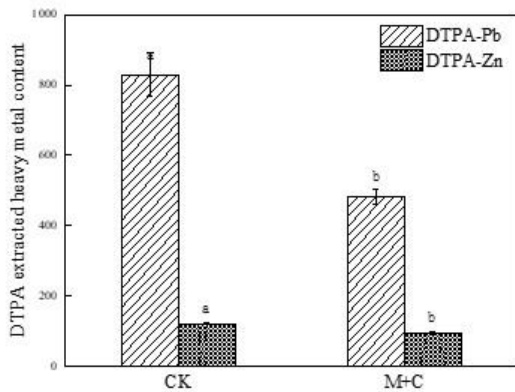
00: -  
 The invention discloses a method for jointly restoring lead zinc polluted soil with inorganic improve and plants, which comprises the following steps: (1) Calcium carbonate is selected and grind with a grinder to obtain calcium carbonate improve (2) According to the mixing ratio of 5-15%, calcium carbonate improve is added to the lead zinc tailing soil, repeatedly plow evenly, fully mix, and activate for 7-30 days to obtain the mixed tailing soil (3) Planting woody plants in mixed tailing soil to realize restore plant of heavy metals in soil and (4) The soil is regularly tilled to increase the looseness of the soil and improve the soil environment.



21: 2022/11770. 22: 2022/10/28. 43: 2022/11/30  
 51: A01G; B09C  
 71: CENTRAL SOUTH UNIVERSITY OF FORESTRY & TECHNOLOGY  
 72: SU, Rongkui, MU, Yue, LUO, Yiting, CHEN, Yonghua, OU, Qiqi

**54: A METHOD OF PROMOTING PLANT RESTORATION IN LEAD-ZINC CONTAMINATED SOIL WITH A COMPOUND MODIFIER**

00: -  
 The invention discloses a method for promoting plant restoration of lead-zinc tailing with composite improver, which comprises the following steps: (1) Selecting mushroom residue and calcium carbonate, grinding and crushing. (2) Mix the mushroom residue and calcium carbonate in the proportion of 2:1-1:2 to get a composite modifier. (3) Add composite improver to the heavy metal contaminated soil, repeatedly plow evenly, fully mix the heavy metal contaminated soil, and obtain the mixed heavy metal contaminated soil. (4) The fast-growing woody plants resistant to heavy metals were selected and planted in the mixed heavy metal contaminated soil, and the soil was plowed regularly.

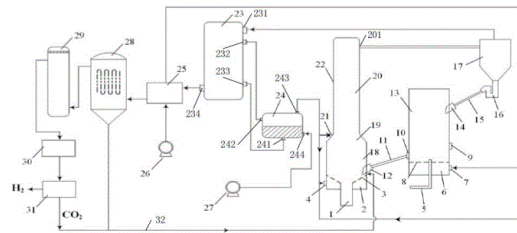
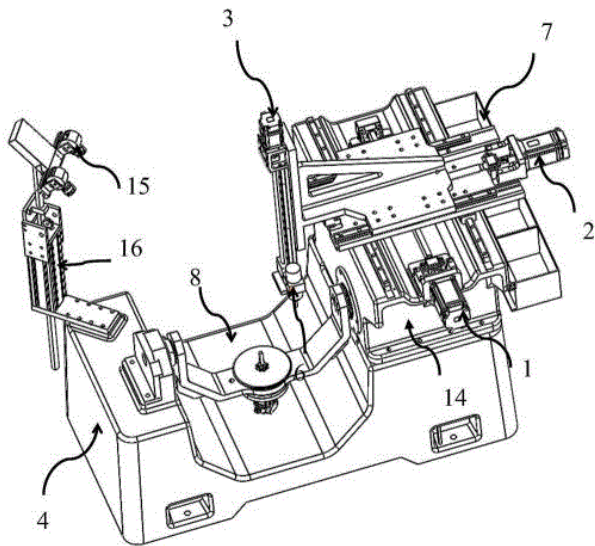


21: 2022/11904. 22: 2022/11/02. 43: 2023/01/06  
 51: G06F  
 71: Changchun University of Technology  
 72: LIAN, Yufeng, LI, Binglin, LI, Yan, LIU, Shuaishi,  
 SUN, Zhongbo, LIU, Keping, SUN, Hongliang  
 33: CN 31: 202111364777.2 32: 2021-11-17  
**54: MODELING METHOD OF FORECASTING  
 MODEL FOR REPRESENTING INTENTION OF  
 DRIVER**

00: -  
 The present invention belongs to the field of active safety of electric vehicles, and specifically relates to a modeling method of a forecasting model for representing intention of a driver. The modeling method includes the following steps: step I, determining a mapping relation of disturbance bounds of an integer order discrete Grey model; determining a mapping relation of disturbance bounds of a fractional order discrete Grey model according to the mapping relation of the disturbance bounds of the integer order discrete Grey model; step II, optimizing fraction orders based on the disturbance bounds and a Gamma function, and optimizing the mapping relation of the disturbance bounds of the fractional order discrete Grey model to obtain an optimal value of the fractional order; and step III, establishing an optimized fractional order discrete Grey forecasting model representing the intention of the driver.

21: 2022/11909. 22: 2022/11/02. 43: 2023/01/06  
 51: B29C; B33Y  
 71: WUXI YOUTINN WUWEI ADDITIVE  
 TECHNOLOGY CO., LTD.  
 72: XIAO, Guodong, YU, Qian  
 33: CN 31: 202111362273.7 32: 2021-11-17  
**54: FIVE-AXIS LINKED 3D PRINTER**

00: -  
 Provided is a five-axis linked three-dimensional (3d) printer. A base material driving unit is configured to drive and control a base material to rotate on a base; a printhead driving unit is configured to control a position of a printhead of the 3D printer in horizontal and vertical directions; a scanning unit is configured to scan and photograph a motion track of the base material and transmit motion track information to an electronic control system; and the electronic control system is configured to collect information of the scanning unit and control motion of the printhead driving unit and the base material driving unit. The printer controls a position of the printhead, a rotary table is placed in a recess of the base, a trapezoidal swing arm is used, therefore a rotation center is lower than a swing arm rotation center, and the rotary table is lowered, thereby reducing cost.

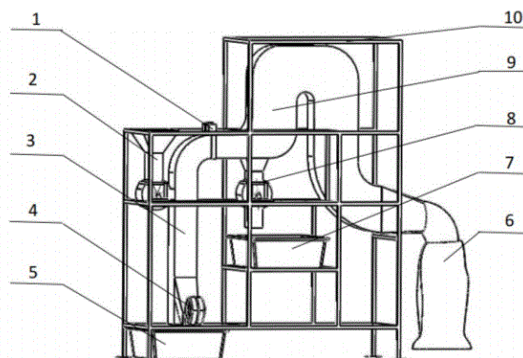


21: 2022/11910. 22: 2022/11/02. 43: 2023/01/06  
 51: C10B  
 71: North China University of Science and Technology  
 72: LIU, Yun, ZHANG, Yuan, TIAN, Yaqiang, LI, Haiying, YAO, Xin, JI, Aimin, WANG, Hongli, CHEN, Liansheng  
 33: CN 31: 202221484113.X 32: 2022-06-15  
**54: PYROLYSIS AND GASIFICATION HYDROGEN PRODUCTION DEVICE WITH LOW TAR CONTENT AND HIGH GAS PURIFICATION**

00: -  
 The present application discloses a pyrolysis and gasification hydrogen production device with a low tar content and a high gas purification, comprising a fluidized bed gasification furnace, a gasification furnace hearth of the fluidized bed gasification furnace comprising a strong mixing zone, a transition zone and a quasi-plug flow zone arranged from bottom to top, and the fluidized bed gasification furnace comprising a feed inlet, a gasification agent inlet, a secondary air inlet and an upper outlet, the feed inlet being configured for receiving a solid product containing semicoke and a gaseous product containing pyrolysis gas, tar or water vapour generated by an upstream pyrolysis furnace, the gasification agent inlet being configured for inputting preheated air into the strong mixing zone as a catalyst, the secondary air inlet being configured for inputting preheated air to the quasi-plug flow zone as a catalyst.

21: 2022/11911. 22: 2022/11/02. 43: 2023/01/06  
 51: B07B  
 71: Donghua University  
 72: LI, Jie, NI, Ping, YU, Yingjia, LI, Lei, FENG, Pei, BAO, Jinsong  
 33: CN 31: 202210821770.7 32: 2022-07-12  
**54: SORTING MECHANISM FOR CRUSHED WASTE SHOE PRODUCTS**

00: -  
 Disclosed is a sorting mechanism for crushed waste shoe products. The sorting mechanism includes a winnowing mechanism and an air vibration sorting mechanism, where the winnowing mechanism comprises a support and a feeding hopper, an I-level winnowing chamber is mounted at the feeding hopper and provided with an air blower, a rubber particle collecting box is arranged below the I-level winnowing chamber, an II-level winnowing chamber is mounted at one end of the I-level winnowing chamber and provided with a fabric collecting bag, a discharging port is provided in the II-level winnowing chamber, a mixture collecting box is arranged under the discharging port, and the air vibration sorting mechanism includes a rack and a vibrating screen. According to the present invention, it is ensured that multi-stage sorting of crushed waste shoe products is achieved, and higher sorting degree and more detailed classification are ensured.



21: 2022/11914. 22: 2022/11/02. 43: 2023/01/03

51: C05G

71: Nanchang Institute of Technology

72: Zhang Jie, Hou Jiexi, Zhao Jiao, Liu Jia, Liu Ming, Zhang Beihong, Xiao Changlong, Jin Zhinong

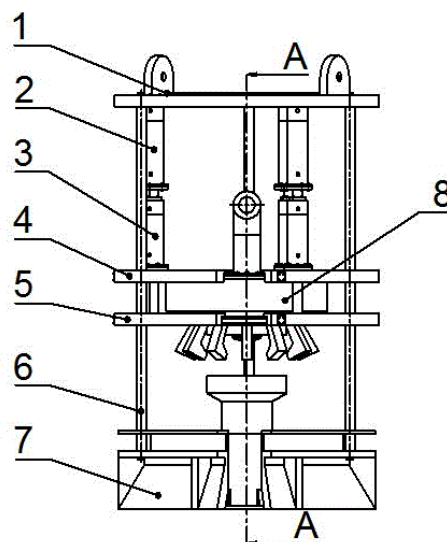
33: CN 31: 202210358318.1 32: 2022-04-06

**54: ORGANIC FERTILIZER FOR REDUCING NITRATE CONTENT OF LETTUCE LEAVES AND PREPARATION METHOD THEREOF**

00: -

The invention provides an organic fertilizer for reducing nitrate content of lettuce leaves, which is comprised of the following raw materials by weight: 100 parts of biogas slurry fermentate, 1 to 5 part of extract of branches and leave of Lauraceae plants; The Lauraceae plant extract and the biogas slurry fermentation product are used in combination to play a synergistic role, so that the growth of chemoautotrophic bacteria (including nitrite bacteria) can be inhibited to a great extent, and ammonium salts or ammonia in soil can be inhibited from being converted into nitrous acid and nitric acid under the action of the nitrite bacteria, thereby playing a better nitrification inhibition role and improving the quality of lettuce leaves; This method can realize one-time fertilization, thereby labor force was greatly saved and the nitrate content of the lettuce leaves significantly reduced.

direction, and the upper and lower bearing ring is provided with a hydraulic oil hole, and the hydraulic oil is injected to make the locking piston rod exit from the reserved slot. Thus, the upper and lower bearing rings are separated from the top cover and the driving ring, so as to realize the recovery of the machine and tool. The invention relates to a deep-sea pipeline automatic connecting machine and tool which can be connected efficiently and realize the recovery and reuse of the machine and tool.



21: 2022/11916. 22: 2022/11/02. 43: 2023/01/06

51: F16L

71: Southwest Petroleum University

72: Zhixu Zhou, Kun Hu, Wenjie Xie, Jie Qiu, Xian Qin

**54: A CLAMPING CLAW TYPE DEEP-SEA PIPELINE AUTOMATIC CONNECTING MACHINE**

00: -

The invention discloses a clamping claw type deep-sea pipe automatic connecting machine. It includes: lifting plate, hydraulic cylinder, guide positioning device, bearing ring, hydraulic locking device, top cover, driving ring, claw mechanism, upper flange, lower flange, metal lens sealing ring; The upper flange is provided with an inclined boss, and a groove is evenly arranged along the boss circumferential direction, and the claw mechanism is hung in the groove. Driven by the driving ring, it can rotate around the contact point of the driving ring and the upper flange until the locking state. The hydraulic locking device is arranged in the upper and lower bearing ring along the circumferential

21: 2022/11918. 22: 2022/11/02. 43: 2023/01/06

51: A61B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MAHAJAN, Chandrashekhar, MANDE, Smita S., BIRLA, Shrivinayak, MANGRULE, Shubham, SHAH, Shubham, DHAKAR, Siddharth, SINDHKHEDE, Shubham

**54: SYSTEM FOR DETECTION OF COLOUR BLINDNESS**

00: -

Accordingly following invention provides a system for detection of colour blindness console application that is designed with the sole purpose of providing an interactive application which will detect colour blindness. A feature of the application is that it includes a color perception test inspired by the Ishihara method. The overall aim of the project is to provide a convenient and interactive application to allow users to extract the blended numbers in the test images used for colour blindness. In the



process, planning out the application detail format. Creation of the detection project using Python and its various modules. Debugging of errors to check if the program flow can extract the blended number. Setting up the blindness test to display the extent of blindness in a systematic manner is performed.

21: 2022/11923. 22: 2022/11/02. 43: 2023/01/06  
51: A01D

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SHINDE, Sandip, MAHAJAN, Chandrashekhar, JALNEKAR, Rajesh M., BHOSALE, Pranav D., BHURUK, Tanushri S., BHOSALE, Karan B., BHOSALE, Vedant L., BHANDARI, Shantanu N.

**54: SOLAR POWERED GRASS CUTTER**

00: -

Accordingly following invention provides solar powered grass cutter mainly comprising of 2 DC motors of 200 RPM for rotating wheels, 1 DC motor of 3000 RPM to rotate blade, 4 wheels to move the robot, 6V solar panel to provide power supply, 1 collapsible blade for cutting grass, 1 switch of 6 pin for controlling robot.

21: 2022/11924. 22: 2022/11/02. 43: 2023/01/06  
51: A01G

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MAHAJAN, Chandrashekhar, MANDE, Smita S., CHAVAN, Sumedh, CHAVAN, Siddhi, CHAVAN, Akshay, CHAVAN, Kunal, CHAVAN, Paritosh, CHAVAN, Pradnya

**54: AUTOMATIC IRRIGATION SYSTEM USING SOLAR ENERGY**

00: -

Accordingly following invention provides automatic irrigation system using solar energy comprising of Arduino Uno R3 to control the motor (Water Pump). The moisture sensors measure the level of moisture in terms of resistance. During simulation, instead of a moisture sensor, we've used a potentiometer to vary the input signal to Arduino. In this project, Motor is controlled by Arduino Uno R3. The moisture sensors measure the level of moisture in terms of resistance During simulation, instead of the moisture sensor we've used a potentiometer to vary the input signal to Arduino.

21: 2022/11925. 22: 2022/11/02. 43: 2023/01/06  
51: A01G

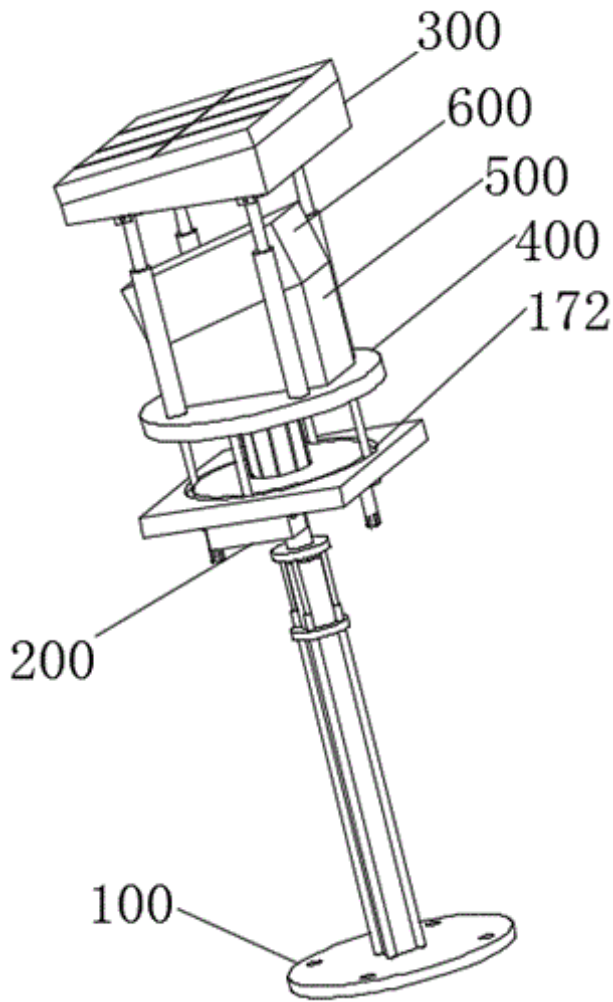
71: Minle Forestry and Grassland Bureau, Gansu Province Academy of Qilian Water Resource Conservation Forests Research Institute

72: Zhijin Liang, Wanqi Zeng, Wanlin Tang, Dong He, De Deng

**54: EARLY-WARNING SYSTEM DEVICE FOR FOREST AND GRASSLAND FIRE PREVENTION**

00: -

The present disclosure discloses an early-warning system device for forest and grassland fire prevention, and relates to the technical field of forest and grassland fire prevention. The early-warning system device of the present disclosure includes an early-warning assembly, and the middle part of a top surface of the early-warning assembly is fixedly connected with a rotating assembly; a top surface of the rotating assembly is fixedly connected with a power supply assembly, and the power supply assembly includes a trapezoidal block and movable seats; the movable seats are fixedly connected to four bottom corners of the trapezoidal block, and electric telescopic rods are arranged among the movable seats; rotating rods are rotationally connected among the middle parts of surfaces of the movable seats, and the middle part of a side surface of the trapezoidal block is fixedly connected with a photosensor; and a top end of the trapezoidal block is fixedly connected with solar panels. Through arrangement of the power supply assembly, the present disclosure solves the problem that an existing early-warning system device for forest and grassland fire prevention is generally powered on by related solar panels, however, the angular position of the existing solar panels cannot be adjusted with intensity of sunlight, and consequently the electric energy conversion efficiency of the solar panels is lower.



payment is made, person receives online receipt of the payment. Additionally, the person also receives certificate of donation from the respective organization so that he can be assured that the donation has reached to appropriate place. Also the donor is provided with a feedback form at the end which can be filled in a prescribed time so that donor's feedback can be used by other donors for their donations.

21: 2022/11927. 22: 2022/11/02. 43: 2023/01/06  
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: JOSHI, Kalpesh, JOSHI, Anita S., PAWAR, Vedant, PAWAR, Varun, PAWAR, Tanishka, PAWAR, Shantanu, PAWAR, Tejas

**54: ARDUINO BASED ANTI- THEFT FACE RECOGNITION SYSTEM**

00: -

Accordingly following invention provides Arduino based anti- theft face recognition system providing security with real-time access and control via mobile phone and Arduino as the control unit. Based on the open-source platforms Arduino and OpenCV, the prototype is intended to work with web cameras for the face detection and tracking system. Using OpenCV, a program is created that can detect people's faces and track them using the web camera. An alarm system with a webcam that is activated when the PIR sensor detects motion. When the webcam detects an unknown face, the Arduino microcontroller reads the data and activates the buzzer, as well as sending a short message service to the system's designated Mobile number. The AT command is used in this study to communicate between the mobile phone and the GSM modem. It can communicate with mobile phones, computers, and Arduino microcontrollers using this. To complete this project, every component must function properly. The GSM modem serves as a conduit for the microcontroller's instructions. Following invention is described in detail with the help of Figure 1 of sheet 1 showing architecture of proposed invention.

21: 2022/11926. 22: 2022/11/02. 43: 2023/01/06  
51: G06Q

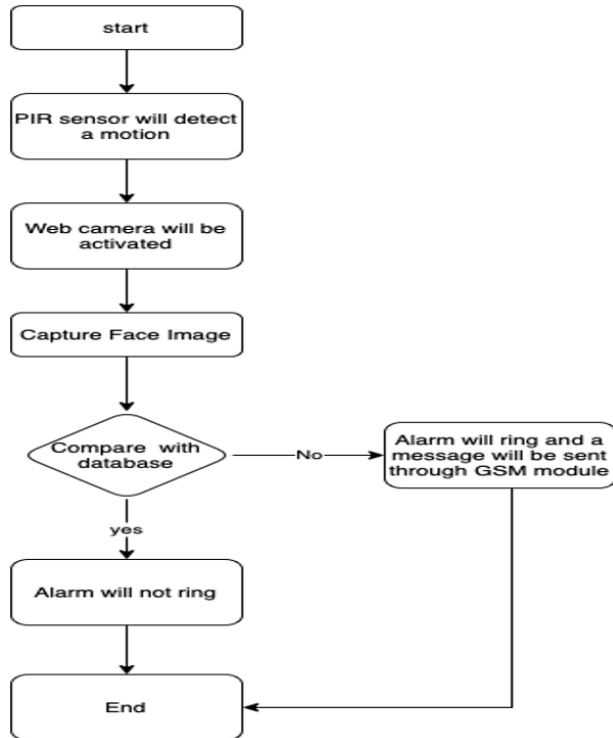
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SONDKAR, Shilpa, MAHAJAN, Chandrashekhar, POL, Madhumati, RATHI, Chetanya A., CHHAJED, Ashish A., CHAVHAN, Nishant S., CHAWARE, Aman N., CHAWARE, Bhushan P.

**54: PROCESS TO ASSESS THE VIABILITY AND FEASIBILITY OF ONLINE FUND RAISING**

00: -

Accordingly following invention provides process to assess the viability and feasibility of online fundraising. Wherein whenever a person comes to donate online, list of institutions and their work is displayed to donor so that he can make appropriate choice. Once choice is made he can directly make payment online to the respective organization. Once



Arduino Control Unit or the Controller will pull the commands to control the Motor Driver Unit, which here is Dual H-Bridge Motor Drivers L298. The Motor Driver will then be Responsible for the Movement of the Wheelchair.

21: 2022/11930. 22: 2022/11/02. 43: 2023/01/03  
51: G06F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: GAIKWAD, Vijay D., POL, Madhumati, DUBE, Suhas, DUDUL, Aryan, DONGE, Aditya, DUGAD, Raj, DOSHI, Harsh

**54: SYSTEM FOR THE VISUALLY IMPAIRED PEOPLE WITH VOICE ASSISTANT**

00: -

Accordingly following invention provides a System for the Visually Impaired People with Voice Assistant comprising smartphone to capture real-time input data. The app's camera is automatically accessed and it starts capturing the surrounding objects and texts if there is any present. Data is sent to the cloud where it is processed using machine learning. The system is implemented by combing various technological stacks which includes Android studio used for the development of the application as it is the official integrated development environment (IDE) designed specifically for android application development. OpenCV library used for image processing since it provides support to real time applications. Python programming language used for build the machine learning model. Following invention is described in detail with the help of Figure 1 of sheet 1 showing architecture of proposed invention.

21: 2022/11929. 22: 2022/11/02. 43: 2023/01/03  
51: A61G

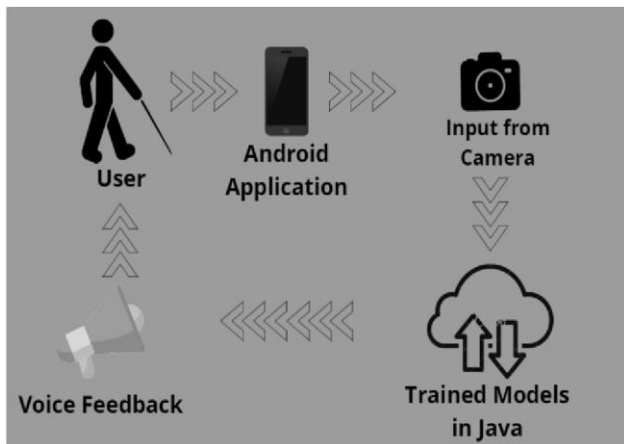
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: GAIKWAD, Vijay D., THOPATE, Kaushalya, SAWANT, Sahil, SAWANT, Yashraj, SAWANT, Avadhut, SAWARKAR, Sanchit, SAWANT, Atharvsinh

**54: BLUETOOTH CONTROLLED WHEELCHAIR**

00: -

The present invention relates to mainly comprising of Bluetooth wherein captures data is transmitted to the Arduino UNO R3 via the Bluetooth in the form of the Data Packets. The Bluetooth used here is HC-05 bluetooth Module. The readings are communicated by the neuro-sensors to the Arduino by the means of bluetooth packets. The Data Packets are decoded in the Arduino and via the Signal Processing Unit or the Logistics Units, the signal is measured in the form of percent of Attentive and Meditative states, where At the start, the Signal Programming has to be done manually for the Initialization purposes, so that it will convey the following instructions to the Machine Learning Interface. The Processed Signal will then be transferred to the main Machine Learning Algorithm or the Interface and both are driven in the Arduino UNO R3. Under the Machine Learning Algorithm, the code embedded in the



21: 2022/11931. 22: 2022/11/02. 43: 2023/01/03  
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: GAIKWAD, Vijay D., POL, Madhumati, GATKE, Mandar R., MOONA, Gaurav P., GAVALI, Vishal H., GAVADE, Vikram V., GAVHANE, Swapnil, GAVIT, Chinmay V.

**54: A SYSTEM FOR DONATING OLD GOODS**

00: -  
Accordingly following invention provides a system for donating goods which is a admin based system in which there are account on site and account holders can donate and receive the stuff on site and to donate one have to post an add on site which will be available to all who fulfill the requirements and one who wants to receive the stuff has to accept request from donner and donor can donate the person and accordingly contacts of donor and receiver will be exchanged and they can contact each other about the item admin can control the process and keep functioning of this good . With this everyone will get a chance to donate and receive things they need instead of buying them for small reasons.

21: 2022/11932. 22: 2022/11/02. 43: 2023/01/03  
51: H04L

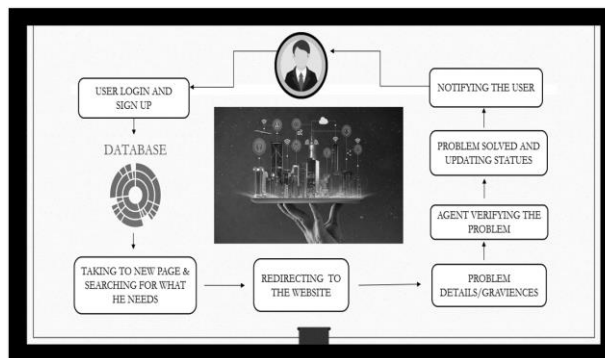
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MANE, Vijay M., MORE, Manisha M., SHAIKH, Al-Hussain, ALDAR, Prathamesh, AKOTKAR, Soham, ALEKAR, Pratham, JADHAV, Akshay

**54: A SYSTEM FOR SMART CITY MANAGEMENT**

00: -  
Accordingly following invention provides a system for smart city management working on six pillars or factors namely Social, Management, Economy,

Legal, Technology and Sustainability making the system economically intelligent by taking into account the social conditions of their citizens. Following invention is described in detail with the help of Figure 1 of sheet 1 showing architecture of proposed invention.



21: 2022/11933. 22: 2022/11/02. 43: 2023/01/03  
51: G06F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MANE, Vijay M., MORE, Manisha, MALI, Yash, MALANI, Himani, MAHORE, Nishad, MALI, Rushikesh

**54: A VIRTUAL MOUSE CONTROL SYSTEM ENABLED WITH HAND GESTURES**

00: -  
The present invention relates a virtual mouse control system enabled with hand gestures mainly working on four modules namely Hand-tracking Module which enable the webcam for video capturing, Volume Control which controls the volume of the computer using hand gestures, Virtual Painter which enables the user to draw on the screen using their fingers and Mouse Control which controls the mouse of the computer and perform basic mouse functions using just our first two fingers.

21: 2022/11934. 22: 2022/11/02. 43: 2023/01/03  
51: G06F

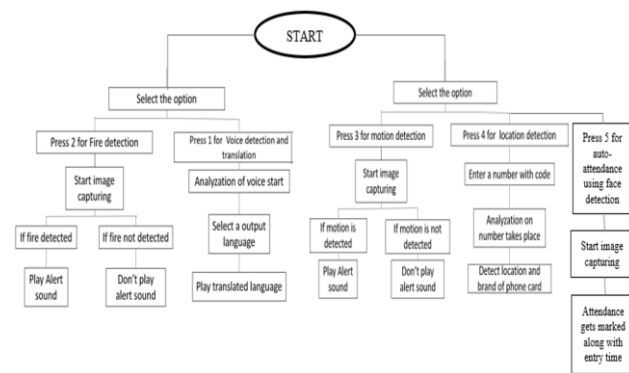
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MANE, Vijay M., MORE, Manisha, MANE, Vaishnavi S., MANE, Shruti S., P., Umesh, MANE, Vedant R., MANGLE, Shrihari K.

**54: AUTOMATIC DETECTION SYSTEM USING PYTHON**

00: -  
Accordingly following invention provides an automatic detection system using python which is

capable to perform multiple tasks like fire detection, motion detection, voice detection, language detection, location detection. It improves the security of nearby area and increase alertness in nearby area. It is operating on the images capture by camera. Following invention is described in detail with the help of Figure 1 of sheet 1 showing flow chart of proposed invention.

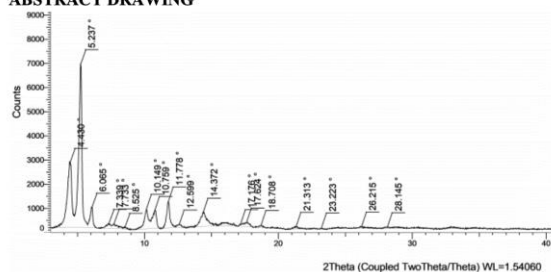


21: 2022/11938. 22: 2022/11/02. 43: 2023/01/06  
 51: A61K  
 71: JINING UNIVERSITY  
 72: XIAO, Chuan, LI, Mingli  
**54: BETAMETHASONE SODIUM PHOSPHATE CRYSTAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF**  
 00: -

**ABSTRACT OF THE DISCLOSURE**

The present invention belongs to the technical field of pharmaceutical polymorphism, and particularly relates to a betamethasone sodium phosphate crystal, and a preparation method therefor and the use thereof. Provided in the present invention is a betamethasone sodium phosphate crystal, wherein the X-ray powder diffraction of the betamethasone sodium phosphate crystal has characteristic absorption peaks at points where  $2\theta$  is  $4.430\pm 0.2^\circ$ ,  $5.237\pm 0.2^\circ$ ,  $6.065\pm 0.2^\circ$ ,  $10.149\pm 0.2^\circ$ ,  $11.778\pm 0.2^\circ$ ,  $14.372\pm 0.2^\circ$  and  $17.624\pm 0.2^\circ$ . The betamethasone sodium phosphate crystal provided by the present invention has the characteristics of high purity and a large particle size, and has good acetylenic crystals and can be stored for a long time. Further provided in the present invention is a method for preparing the betamethasone sodium phosphate crystal as described in the above-mentioned technical solution. The preparation method provided in the present invention has a simple process, is easy to operate and suitable for large-scale production.

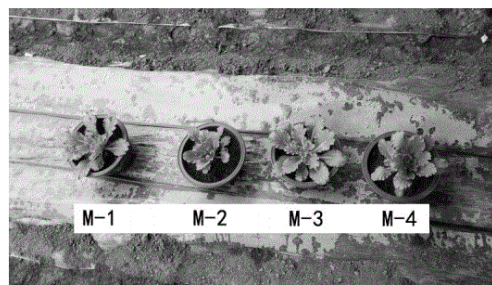
**ABSTRACT DRAWING**



21: 2022/11973. 22: 2022/11/03. 43: 2023/01/03  
 51: A01H; C12N

71: Economic Crop Research Institute of Hebei Academy of Agriculture and Forestry Sciences  
 72: LIU, Xiaodong, WANG, Mingqiu, MENG, Chuan, WU, Fang, WANG, Yuhai, MU, Jingui, CHEN, Zhanliang, MA, Lei  
**54: METHOD FOR CREATING DIPLOID GERmplasm RESOURCES BY USING TETRAPLOID CHINESE CABBAGE**

00: -  
 The present invention relates to the technical field of Chinese cabbage breeding, and in particular to a method for creating diploid germplasm resources by using tetraploid Chinese cabbage. Isolated microspore culture is conducted on tetraploid Chinese cabbage, the obtained tetraploid isolated microspores are subjected to heat shock treatment and dark culture (temperature-regulating culture) to obtain embryoids, and tissue culture, and acclimatization and transplanting are performed to obtain regeneration plantlets and germplasm resources. By virtue of an advantage that the number of chromosomes of tetraploid Chinese cabbage is multiplied, the frequency of genetic crossover among the chromosomes is significantly higher than that of crossover among diploid genes, and the formed microspores are more enriched in genotype, so that a novel diploid material with more variation traits can be obtained.

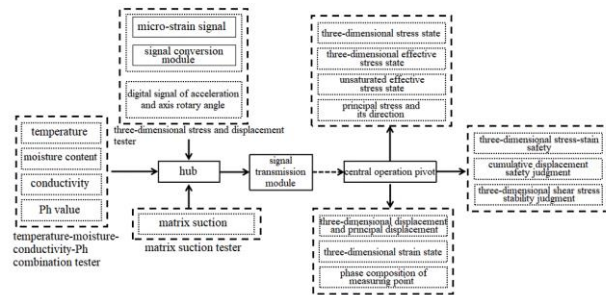


21: 2022/11975. 22: 2022/11/03. 43: 2023/01/03  
 51: G01N  
 71: Institute of Nanfan and Seed Industry, Guangdong Academy of Sciences  
 72: WANG, Qinnan, LING, Qiuping, CHANG, Hailong, WU, Jiayun, ZHANG, Wei, QIU, Yongsheng, CHEN, Junlv, XIE, Jing  
**54: METHOD FOR PREPARING CHROMOSOME SPECIMEN OF ERIANTHUS ARUNDINACEUS (RETZ.) JESWIET. ROOT TIP MERISTEM**  
 00: -

The present disclosure provides a method for preparing a chromosome specimen of Erianthus

arundinaceus (Retz.) Jeswiet. root tip meristem, comprising the following steps: Root tip culture; Root tip sampling and pretreatment; Enzymatic hydrolysis of the root tip; Preparation of chromosome section, and Microscopic examination, etc. The method is characterized by cultivation of the whole plant in a barrel; the root tip is treated with 0.002M 8-hydroxyquinoline aqueous solution at 25~28 degrees centigrade for 3~4 hours, and the enzymatic hydrolysis hypotension method is used for the preparation of sections. The method has strong operability; it is easy to obtain root tips of highly active meristem, saving the time for root tip culture, saving manpower and material resources, and having a high production efficiency.

measuring points, which facilitate safety assessment of the geotechnical structure of the landfill.



21: 2022/11985. 22: 2022/11/03. 43: 2023/01/06  
 51: G01D  
 71: INSTITUTE OF ROCK AND SOIL MECHANICS, CHINESE ACADEMY OF SCIENCES  
 72: WAN Yong, CHEN Zhixiang, XUE Qiang, HE Xingxing, LUO Rui, YU Huayue, LIU Lei  
 33: CN 31: 202210042067.6 32: 2022-01-14  
**54: METHOD FOR MONITORING GEOTECHNICAL STRUCTURE OF LANDFILL**  
 00: -

Disclosed is a method for monitoring a geotechnical structure of a landfill, and a monitoring system used by the method comprises a three-dimensional stress and displacement tester, a temperature-moisture-conductivity-Ph combination tester, a matrix suction tester, a signal conversion module, a hub and a signal transmission module. Meanwhile, there is also provided an application method for analyzing displacement and geotechnical parameter of the geotechnical structure of the landfill. The effect of the present disclosure is to be capable of completely determining the three-dimensional stress state, three-dimensional effective stress state, three-dimensional displacement and strain state, temperature, moisture content, conductivity, Ph value of the measuring points of the geotechnical structure of the landfill by three testers, and providing the values for use in stability analysis, transient deformation analysis, cumulative deformation analysis, and temperature field and moisture field analysis of the geotechnical structure of the landfill based on the test values of different

21: 2022/11986. 22: 2022/11/03. 43: 2023/01/06  
 51: B08B; C23C; C23G

71: North China University of Science and Technology

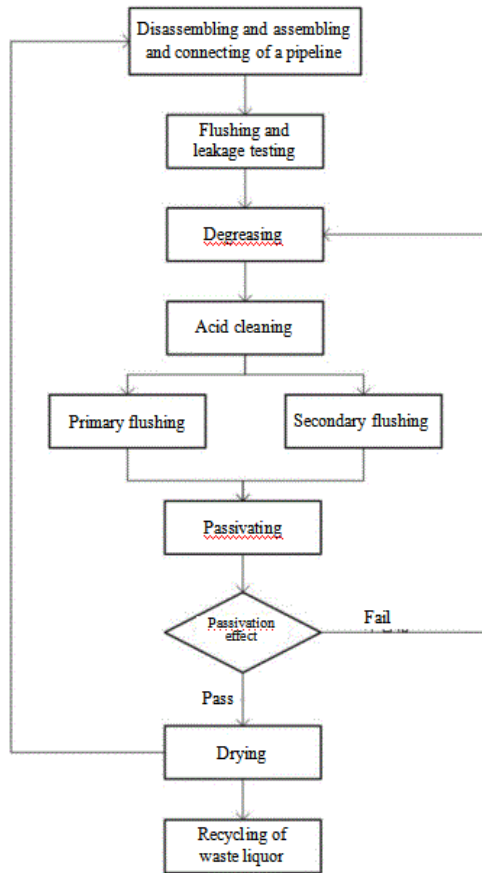
72: JI, Hongchao, CAI, Shuo, ZHU, Fengyun, PEI, Weichi, CUI, Zhe, LIU, Boxuan, LONG, Haiyang, WU, Jiatong

33: CN 31: 202111385509.9 32: 2021-11-22

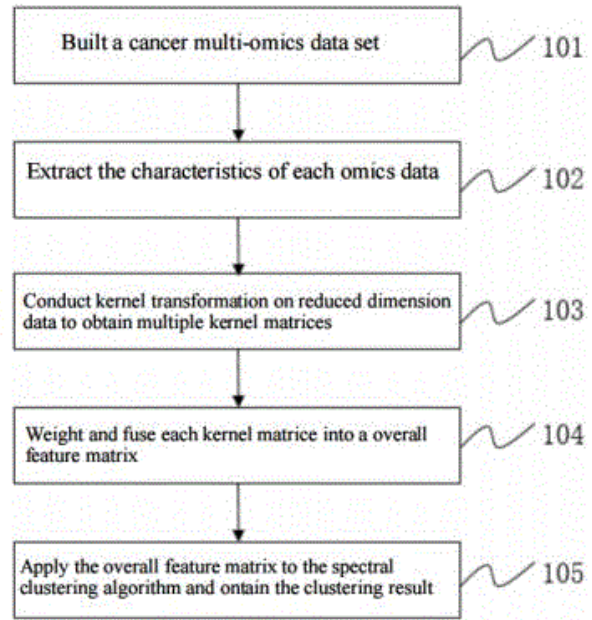
**54: CLEANING PROCESS FOR MEDIUM PIPELINE OF CONTINUOUS CASTING EQUIPMENT**

00: -

The present disclosure relates to design of a pipeline cleaning process, and is mainly used for cleaning a medium pipeline of continuous casting equipment in the production process of steel. The pipeline cleaning process mainly includes the procedures of the pipeline such as disassembling and assembling and connecting, flushing, leakage testing, degreasing, primary acid cleaning, secondary acid cleaning, passivating, drying, recycling of waste liquor and remounting. Acid cleaning and passivating processes of the medium pipeline are combined in the present disclosure, and degreasing and dual cleaning are performed in the acid cleaning process, thereby solving the problems such as difficult cleaning, low cleaning quality and nonuniform cleaning caused by many medium varieties and complex media in the medium pipeline in the continuous casting equipment. The cleaning efficiency of existing processes is improved, the cleaning cost is saved and the burden of environmental protection is relieved.



the clustering results obtained represent the different subtypes of cancer; The invention solves the problem of identifying cancer subtypes and adopting a multi-core clustering method based on kernel PCA for prediction, thereby obviously improving the prediction ability.



21: 2022/11987. 22: 2022/11/03. 43: 2023/01/06  
 51: G06F  
 71: Central South University  
 72: Fei GUO

**54: A METHOD FOR IDENTIFYING CANCER SUBTYPES BASED ON MULTI-OMICS DATA**

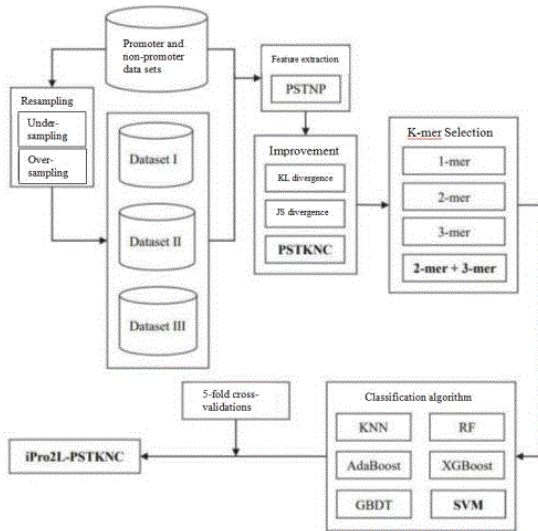
00: -  
 The invention discloses a method for identifying cancer subtypes based on multi-omics data. The method is a multi-core clustering prediction model based on kernel principal component analysis (KpcaMKL). The prediction model is generated by the following steps: Step 1: Build a cancer multi-omics data set through The Cancer Genome Atlas (TCGA); Step 2: Extract the characteristics of each omics data in the cancer data set by the kernel principal component analysis algorithm; Step 3: Use the Gaussian kernel function to conduct kernel transformation on the reduced-dimensional data to obtain the corresponding kernel matrix; Step 4: The average weight and fuse each kernel matrix into an overall feature matrix; Step 5: Apply the overall feature matrix to the spectral clustering algorithm,

21: 2022/11988. 22: 2022/11/03. 43: 2023/01/06  
 51: G01N  
 71: Central South University  
 72: Fei GUO

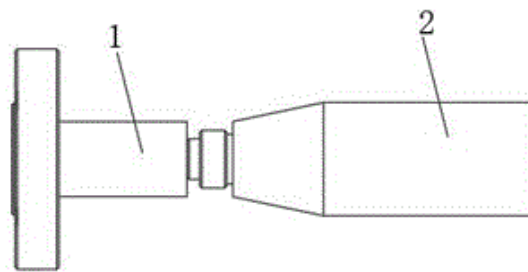
**54: A METHOD FOR IDENTIFYING DNA PROMOTER ELEMENTS BASED ON INFORMATION THEORY**

00: -  
 The invention discloses a method for identifying DNA promoter elements based on information theory, which is based on a double-layer recognition model for judging different types of promoters. The two-layer recognition model performs promoter sequence recognition by the following steps: Step 101: Obtain the promoter sequence data set from the E. coli database; Step 102: Use the PSTNP algorithm to extract the position-specific frequency of trinucleotide composition information and dinucleotide composition information from DNA promoter sequence data; Step 103: Optimize the position-specific frequency information of trinucleotide and dinucleotide composition information; The promoter element type recognition layer uses the SMOTE algorithm to resample the

data sets of different promoter types; The invention solves the prediction problem of DNA promoter and its specific type, adopts the method of information theory to optimize the features of the extracted sequence frequency information, and improves the prediction accuracy.



core by the electroformed layer, four-axis clampings locating at  $\phi 10 \pm 0.01$  position, and a top of a thimble resisting on the end face of  $\phi 4 \pm 0.01$ , and dragging a table to align; S5, after processing is completed, the corrugated groove and electroformed aluminum core are dissolved by acid and alkali solution, and the corrugated groove tooth waveguide cavity is retained; S6, loading the corrugated groove tooth waveguide cavity into an inside of the square-circle conversion waveguide cavity, and then locked, after the assembly is completed, the soldering area is soldered according to a welding area.



21: 2022/12/16. 22: 2022/11/07. 43: 2022/12/14  
 51: H04R  
 71: NANJING CHIYUN TECHNOLOGY DEVELOPMENT CO., LTD  
 72: XU, FU, KUANG, SIFENG, ZHANG, SHUAI, SHI, YONG, WANG, WEI  
**54: TERAHERTZ FREQUENCY BAND FEED HORN**

00: -  
 A processing method for a terahertz frequency band feed horn includes steps of: S1, splitting the entire workpiece into a corrugated toothed waveguide cavity and a square-circle converted waveguide cavity to formed into two parts, and then two parts can be formed by soldering; S2, converting the corrugated toothed waveguide cavity into a corrugated groove and electroformed aluminum core; S3, taking out the corrugated groove and electroforming aluminum core, and fixing the corrugated groove and the electroforming aluminum core on the electroforming tool via screws positioning on both ends of the corrugated groove and the electroforming aluminum core, so as to prevent the deformation of the parts during electroformin; S4, when electroforming is completed, peeling off the protective glue, covering the corrugated groove and the electroformed aluminum

21: 2022/12/16. 22: 2022/11/08. 43: 2022/12/05  
 51: C04B  
 71: Langfang Xubo Tulide New Material Technology Co., Ltd.  
 72: BOWEI SUN, GUOXU LI  
**54: A MULTIFUNCTIONAL CERAMIC POWDER COATING WITH INORGANIC MATERIAL AS THE MAIN BODY**

00: -  
 The invention discloses a multifunctional ceramic powder coating with inorganic matter as the main body, including the following raw materials according to the mass fraction: small molecule fluorosilicon material 40-50%, organic resin 5-20%, inorganic hardening material 15-20%, wear-resisting agent 5-10%, surface adjustment agent 1-5%, pigment 1-20%, and auxiliary agent 1-10%. The invention adopts a multifunctional ceramic powder coating with the inorganic substance as the main body. A large amount of inorganic hardening materials are added to improve the overall hardness, abrasion resistance and surface scratch resistance of the coating, which has excellent impact resistance and other flexible properties. At the same time, the surface modifiers are added to assist in film formation to enhance the adhesion of the entire coating, salt spray resistance, acid and alkali resistance and chemical resistance.



The coating function is increased, and the application range is wider.

21: 2022/12217. 22: 2022/11/09. 43: 2022/12/13  
51: G06F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: RAIKWAR, Rajesh G., BHATELE, Priyanka, DALVI, Manas Manoj, MANALWAR, Manthan, MALI, Tejas, KULKARNI, Manas Amrish, MANAKSHE, Aman

**54: A SYSTEM FOR VIRTUAL GAME CONTROL USING HAND GESTURES**

00: -

A game controller has a significant impact on the gaming experience of the user. Overall gaming experience plays a major role and contributes significantly to user satisfaction. We have studied and explored the framework of interaction between humans and computers to design and evaluate controller usage in games. The objective of this project is to provide the user with phenomenal gaming experience and show how a computer game can be played by using hand gestures and without any physical controller. In this project a camera attached to the computer will be used to recognize the hand gestures, based on which the system will analyze the movement and operation will be performed accordingly.

21: 2022/12254. 22: 2022/11/10. 43: 2023/01/03  
51: C25B

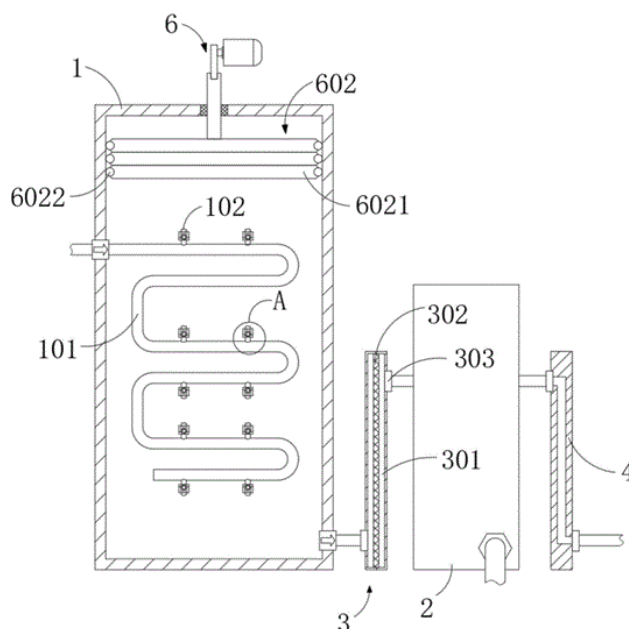
71: Kunming University of Science and Technology  
72: CHEN, Shiyi

**54: ELECTROLYTIC REDUCTION DEVICE OF CARBON DIOXIDE AND REDUCTION METHOD THEREOF**

00: -

The present invention discloses a carbon dioxide electrolytic reduction device, which comprises a cathode treatment tank, an anode treatment tank and a circulation plate, wherein the cathode treatment tank and the anode treatment tank are fixedly communicated with each other through the circulation plate; one side of the anode treatment tank is provided with a slow flow plate; an air guide pipe is arranged between an air inlet and an air outlet of the cathode treatment tank; the air guide pipe is arranged in a spiral spiral structure in the cathode treatment tank; a first one-way valve is

fixedly communicated with the wall of the air guide pipe; the air outlet of the first one-way valve is covered with a film, and the central position of the film is provided with an air hole. By arranging the air guide pipe with a spiral spiral structure in the cathode treatment tank, when carbon dioxide gas is injected, the flow stroke of the air flow is increased, and it is released through a plurality of groups of first one-way valves, so that the reaction gas can be directly injected, the gas flow field and residence time are increased, the contact area is increased, the liquid leakage phenomenon is reduced, and the catalytic reaction efficiency is greatly enhanced.



21: 2022/12256. 22: 2022/11/10. 43: 2023/01/03  
51: C02F

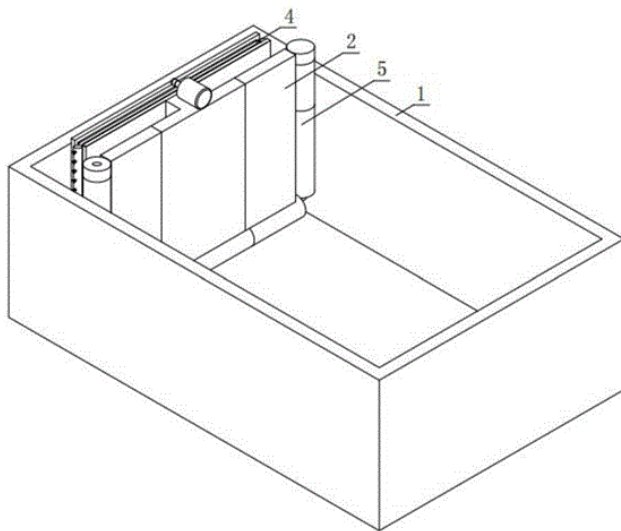
71: Liaoning Institute of Science and Technology  
72: ZHANG, Danfeng

**54: CLEANING EQUIPMENT FOR BIOLOGICAL POLLUTANTS**

00: -

Cleaning equipment for biological pollutants belongs to the technical field of water reservoir cleaning. In order to solve the problem of existing water reservoir cleaning, most of them are cleaned manually, which takes a lot of time, and people are easy to contact with biological pollutants in the cleaning process, which may be harmful to people. Secondly, the existing reservoir cleaning equipment can only clean the single inner wall, and the cleaning efficiency is poor, resulting in unsatisfactory cleaning results.

Through the repeated rotation of the driving motor, multiple groups of high-pressure nozzles are driven to move back and forth, so as to ensure the comprehensiveness of washing, prevent washing residues, improve the washing efficiency and effectively change the washing position. By cleaning the inner walls of the lateral ends of the reservoir body, the cleaning limitation period is reduced, and the convenience of adjustment is increased, so that the biological pollutants attached to its surface can be cleaned in advance, which is convenient for later washing and improves the cleaning degree.

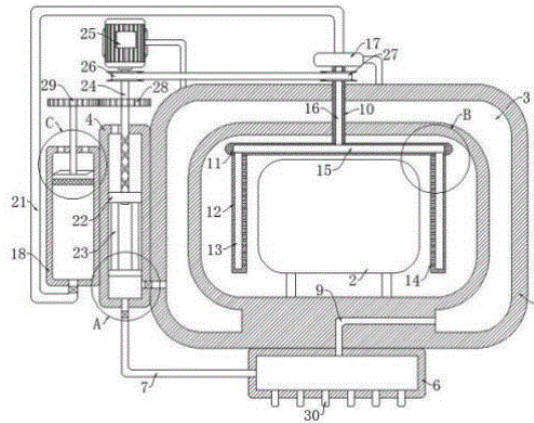


21: 2022/12259. 22: 2022/11/10. 43: 2023/01/05  
 51: B08B; G01V; H05K  
 71: Xi'an Zhongdi Borui Detection Technology Co., Ltd.

72: HE, Liang, ZHANG, Qiang  
 33: CN 31: 202210174230.4 32: 2022-02-25  
**54: ADVANCED DETECTION APPARATUS FOR MINE TUNNEL**

00: -  
 Disclosed is an advanced detection apparatus for a mine tunnel. The advanced detection apparatus includes a shell. A detector is arranged on the shell. A cooling mechanism is arranged on the shell and includes a cooling trough. A liquid pumping tank is connected to the shell and a sliding plunger. The shell is connected to a liquid storage tank. The liquid pumping tank is connected to a liquid inlet pipe and a liquid pumping pipe. The cooling trough communicates with the liquid storage tank through a liquid outlet pipe. The shell is provided with a dust removal mechanism. In the present invention, a

motor is driven to rotate to pump cooling liquid into the cooling trough to cool the shell, thereby reducing a temperature of the detector, and avoiding damaging components and parts in the detector and shortening the service life of the detector.

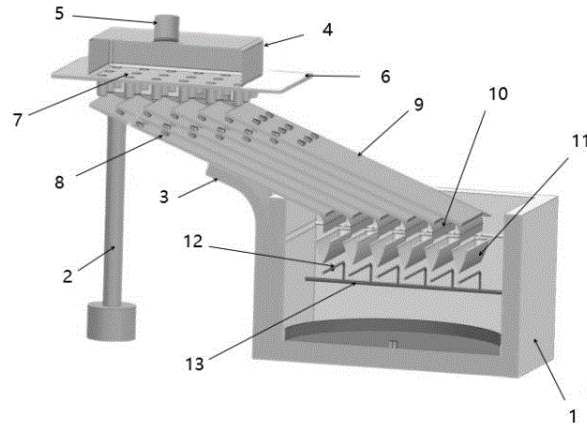
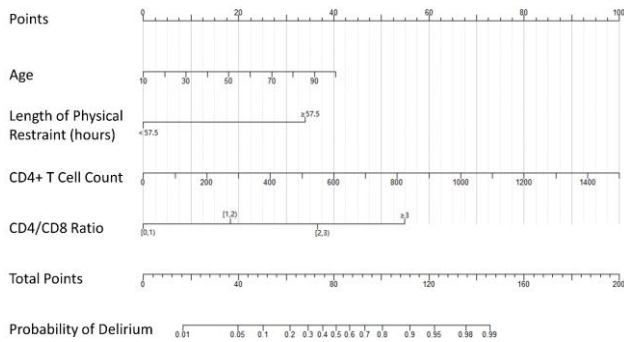


21: 2022/12260. 22: 2022/11/10. 43: 2023/01/05  
 51: A61B

71: Peking Union Medical College Hospital, Chinese Academy of Medical Sciences  
 72: Cui Na, Li Xiao, Du Bin, Luo HongBo, Cheng Wei, Long Yun, Zhang JiaHui, Li DongKai

**54: PREDICTION MODEL OF DELIRIUM IN CRITICAL PATIENTS AFTER CARDIAC SURGERY AND ITS CONSTRUCTION METHOD**

00: -  
 The invention provides the prediction model of delirium in critical patients after cardiac surgery and its construction method, which relates to the technical field of biomedicine. And the prediction model of delirium in critical patients after cardiac surgery includes the multi-step verification of nomogram, model training set and model verification set. In addition, through statistical methods such as nomogram, the invention successfully visualizes the complex prediction model simply, which is convenient for clinicians to quickly and accurately predict the risk of delirium of critical patients after cardiac surgery, thus effectively carrying out the intervention and prevention.



21: 2022/12262. 22: 2022/11/10. 43: 2023/01/05  
51: B01D

71: Jiangsu Ocean University

72: Zi Keming, Chen Na, Wang Huabing, Zhang Chi, Wang Feifan, Sun Zheng

33: CN 31: 202211039794.3 32: 2022-08-29

**54: EFFICIENT VIBRATING SCREEN FOR FILTERING NORI WASTE WATER**

00: -

The present invention discloses an efficient vibrating screen for filtering nori waste water, comprising a filtering box, wherein a material storage tray is disposed at the inner bottom end of the filtering box, and a rotating motor is mounted on the middle portion of the bottom end of the material storage tray. The vibrating screen has high filtration efficiency and is very comprehensive in filtration, and can realize flow dividing filtration and improve the filtration quality; the waste water flows from a flow divider pipeline into filter screen pockets via slopes in order to decrease the water velocity thereof and uniformly distribute the water flow, which plays a buffering role on lower filter screens; and the soft slope is used for assisting the waste water in flowing into the filter screen. The filter screen in the filter screen pocket is in a shape of a parallelogram, so when the waste water flows into the filter screen pocket, the place which is greatly influenced by the weight of the nori waste water will make the parallelogram deform and become a thin quadrilateral, so that the loss of fine crushing nori can be reduced and the water can flow out smoothly, thus improving the efficiency of filtering nori; and after filtering, the nori can also be automatically taken out from the filter screen, so that automatic discharging can be achieved, which is convenient for people to use.

21: 2022/12263. 22: 2022/11/10. 43: 2023/01/05  
51: B01D

71: Jiangsu Ocean University

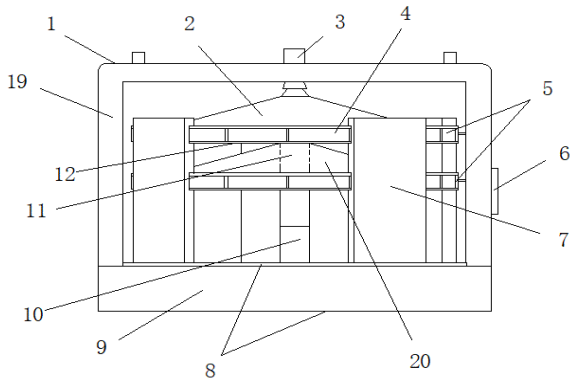
72: Zi Keming, Chen Na, Li Hongwen, Zhang Chi, Wang Feifan, Sun Zheng

33: CN 31: 202211183251.9 32: 2022-09-27

**54: ALL-AROUND MULTI-LAYER HIGH-EFFICIENCY CONICAL VIBRATING SCREEN FOR FILTERING NORI WASTE WATER**

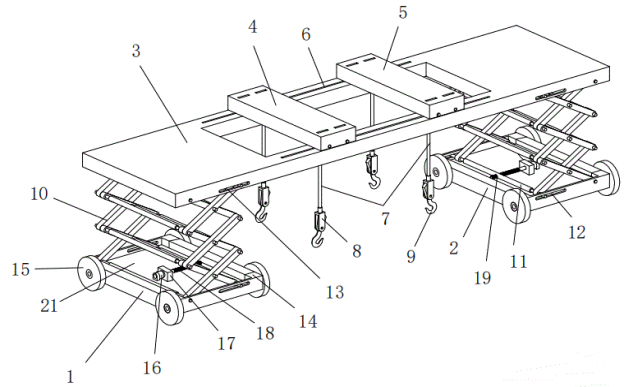
00: -

The present invention discloses an all-around multi-layer high-efficiency conical vibrating screen for filtering nori waste water, comprising a vibrator, wherein a machine base is disposed at the bottom of the vibrator, several arc-shaped fixing plates are disposed on the top of the machine base, an isolation frame is mounted on the outer side of the machine base, a support frame is mounted on the top of the isolation frame, a feed pipe is mounted in the middle of the support frame, a first flow divider is mounted at the bottom of the feed pipe, a second flow divider is connected to the bottom of the first flow divider via a second sleeve, a first sleeve is connected to the bottom of the second flow divider, a filter screen sieve is disposed on the outer side of both the first flow divider and the second flow divider, and a waste tank is disposed on the inner side of the filter screen sieve. The filtering area of the vibrating screen of the present invention is significantly increased compared with that of a slope-type vibrating screen, and the filtering efficiency is improved; and the vibrating screen adopts a double-layer filtering screen structure, and can perform secondary filtration after primary filtration, so that the treated waste water is closer to the ideal effect.



21: 2022/12264. 22: 2022/11/10. 43: 2023/01/05  
 51: B62J  
 71: Jiangsu Ocean University  
 72: Zi Keming, Zhang Chi, Chen Na, Liu Xiaoyan, Sun Zheng  
 33: CN 31: 202210988118.4 32: 2022-08-17  
**54: AUTOMATIC MOUNTING DEVICE FOR CABIN COVER TARPULIN OF WIND POWER GENERATOR**

00: -  
 The invention discloses an automatic mounting device for a cabin cover tarpaulin of a wind power generator. The automatic mounting device includes a first brake trolley, a second brake trolley and a lifting plate; a top of the first brake trolley and a top of the second brake trolley are each provided with a lifting mechanism mounting groove; a lifting mechanism is installed on each of the corresponding lifting mechanism mounting grooves; tops of the lifting mechanisms are connected with the lifting plate; driving boxes are correspondingly installed at four corners of the first brake trolley and the second brake trolley; and each of the driving boxes is connected with a driving wheel. The automatic mounting device is compact in structure, reasonable in design and convenient to operate, can meet the need of automatic installation of a cabin cover tarpaulin by means of motor driving, can realize position adjustment by random movement of lifting hooks, can be used for mounting tarpaulins of different types and sizes, achieves high flexibility, can achieve automatic movement and automatic unhooking, alleviates labor intensity of a worker, greatly improves installation efficiency, saves time, realizes high overall stability, achieves great simplicity and convenience in operation, and solves the problem about external connection of a power supply by using a backup power supply.



21: 2022/12270. 22: 2022/11/10. 43: 2023/01/05  
 51: G06F  
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY  
 72: JANOKAR, Sagar, JOSHI, Anita S., RATNAPARKHI, Soham, RATHI, Manas, RATHOD, Alkesh, RATHOD, Chaitanya, RATHOD, Payal  
**54: A SYSTEM FOR TEXT TO SPEECH AND SPEECH TO TEXT CONVERTING**

00: -  
 According to the International Agency for Prevention of Blindness's Vision, an article there are around 32 million people who live with avoidable blindness and a further 259 million with preventable visual impairment that is decent to acute. Though there may be few existing solutions to this problem, none of the solutions provide an all-in-one experience like this project does. This Voice Assistant can not only be used to read a Word document or a PDF file but also to search content on Google or Wikipedia. Along with the Voice Assistant, the project includes a website with comprehensive documentation, a guide to using the Voice Assistant, certain prerequisites to use the Voice Assistant on the device, and the links to download the source code and setup of this Voice Assistant.

21: 2022/12271. 22: 2022/11/10. 43: 2023/01/05  
 51: C02F  
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY  
 72: DONGRE, Ganesh G., MANDE, Smita, MORE, Aniket. P., OSWAL, Mokshit, MORE, Aniket, BULCHUNDE, Mohit  
**54: A WASTE DECAYING AND RECYCLING SYSTEM**

00: -  
 Environmental pollution control and resource recycling is an important factor for humans. So, to

make people aware about the importance of environmental care and make decomposition industry contact feasible to people. So we are making a website which will provide feasibility to contact the industries and will show the most authentic ways to recycle the waste at home. And also there will be some crafts individuals contact who can make the Best out of waste for client in minimal amount of fees. So, all things, like authentic contacts and methods, to recycle and decomposition of waste will be at one place which will make these recycling and decomposition processes feasible.

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21: 2022/12272. 22: 2022/11/10. 43: 2023/01/05  
 51: F24H  
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY  
 72: RAIKWAR, Rajesh, GOKHALE, Dhruwa, DHUMAL, Om, DHUMAL, Shivani, DHUMAL, Siddhi, DHURVE, Durgesh

**54: GAS LEAKAGE DETECTION SYSTEM FOR DOMESTIC PURPOSES**

00: -  
 According to the study of Council on Energy, Environment and Water(CEEW) more than 70% of Indian households use LPG as their primary cooking fuel and around 85% have LPG connections. With this bigger percentage of LPG usage comes a bigger risk of Gas Leakage accidents. Our project is aimed to build and design a device that would help to prevent the disasters caused by these Gas leakages. On detecting Gas Leakage, the designed system uses GSM technology to send an alert message to the user’s mobile phone as well as it simultaneously turns on a buzzer and a red LED to alert him. In case if the user is not at home, he can reply with a message “ALERT” which will allow the device to send similar alert messages to the predefined contact numbers of his neighbors.

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21: 2022/12273. 22: 2022/11/10. 43: 2023/01/05  
 51: E05B  
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY  
 72: MAHAJAN, Chandrashekhar, MANDE, Smita S., PATIL, Isha T., PATIL, Harsh D., PATIL, Dijasmith J., PATIL, Hitashri T., PATIL, Hitesh M., PATIL, Komalesh D.

**54: A SYSTEM FOR ALCOHOL DETECTION WITH ENGINE LOCKING SYSTEM USING ARDUINO**

00: -  
 Initially, there were no technologies to lock the vehicle engine after detection of the alcohol consumed by the driver, which is one of the substantial causes of road accidents. There was manual examination after certain distance on the roads or the highways but still these inspections proved to be insufficient and inadequate to prevent the occurrence of the catastrophes. To avoid these challenges, our project, alcohol detection with engine locking system is developed. The main aim of this project is to reduce casualties caused by road accidents, and to provide mandatory protection to the automobile, driver, and commuters. It is also intended to make people use public transport instead of private transport when they are not in their sense to drive.

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21: 2022/12274. 22: 2022/11/10. 43: 2023/01/05  
 51: G06N  
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY  
 72: MAHAJAN, Chandrashekhar, MANDE, Smita S., PATEL, Krishna M., PATEL, Aayushi R., PATANGE, Pravin P., PATANKAR, Akarsh A., PATE, Samruddhi P.

**54: A SYSTEM FOR AGE AND GENDER PREDICTION USING PYTHON AND DEEP LEARNING**

00: -  
 This invention is about predicting the age range and gender of a person by passing an image/video into a python program. It uses the OpenCV library for image processing and a CNN model trained and tested by the Adience Dataset to predict the age range and gender. The user has to enter the name of the image or video into the program. This image/video is then processed and passed through the CNN model that predicts the age range and gender of the person in it. Age and gender information is very important for various real-world applications such as human-computer interaction, suggest camera filters, online advertisement, prevent access for unsupervised purchases, item recommendation, restrict underage from accessing some websites. This python program can be used for the above-mentioned purposes.

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21: 2022/12275. 22: 2022/11/10. 43: 2023/01/05

51: C14B

71: Dr. Shelley Oberoi, K.C. College of Engineering and Management Studies and Research

72: Dr. Shelley Oberoi

**54: DYEING OF GOAT SKIN LEATHER WITH MIXTURE OF NATURAL DYES-BUTEA MONOSPERMA AND CASSIA AURICULATA**

00: -

The invention relates to herbal dyeing of animal skin leather. The invention specifically relates to the developing, formulating and testing of an eco-friendly and non toxic naturally dyed goat skin leather. The invention discloses a pre mordanting process for preparing such formulation using mixture of nature dyes i.e., butea monosperma and cassia auriculata. It also comprises of natural, metallic, and combination of natural and metallic mordants. The leather samples were subjected to dip-dyeing with hot water extract (30°C) of the mixture of equal amounts of both the dyes (1gm/100 ml of water). The sample was further optimized by ELICO SL-159 UV-Visible Spectrophotometer. The invention produces at least 16 shades of yellow, green, mustard and brown colors on goat skin leather. The leather sample when treated with 2% formic acid shows the high durability.

21: 2022/12276. 22: 2022/11/10. 43: 2023/01/05

51: A62B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: DESHPANDE, Rupali S., MANDE, Smita, NANDRE, Hetan, JAIN, Naman, NAKIL, Shivdas, NAIKWADE, Mayuresh, NALAWADE, Shrawani, NAIK, Sayali

**54: A SYSTEM FOR ACCIDENT LIFESAVER**

00: -

A Road accident is an unpredictable event that can occur to an individual at any given time. Despite several important measures taken to reduce facilities, accidents continue to claim a large number of lives. The important step in saving a victim's life is to provide prompt medical support. In this research paper, a smartphone-based application has been designed in Android Studio that has ability to observe, record, and take important actions for an immediate emergency response to the victims. This application has the ability to detect the occurrence of a road accident based on the accelerometer data of the victim's smartphone. Once the road accident is confirmed, our android application sends SOS alerts to the emergency medical services, ambulance

services, registered contacts, and also to the nearby associates.

21: 2022/12277. 22: 2022/11/10. 43: 2023/01/05

51: B41J

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SAWANT, Sachin S., MAHAJAN, Chandrashekhar, CHAKURKAR, Atharv, BUVA, Paras, CHAFEKAR, Aditya, SHARMA, Chaitanya, CHAHANDE, Krunjanvee

**54: A MACHINE VISION BASED AERIAL STYLUS**

00: -

The invention reports an intuitive and simple method to work with your personal computer. It provides a means of using a pen/marker as an input device. With the use of Python language, a Webcam along with OpenCV and NumPy library the computer is able to track any pen/marker. An easy to use front end layout was designed keeping in mind drawing, highlighting and writing on the computer. The back end has been optimized to run on easily available hardware. With the help of the presented solution, the paper aims to enhance the experience of interacting with the computer.

21: 2022/12279. 22: 2022/11/10. 43: 2023/01/05

51: G06N

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SAWANT, Sachin S., MAHAJAN, Chandrashekhar, CHOUDHARI, Gauri R., CHOUGULE, Ojas S., CHOUDHARI, Vedant A., CHOUDHARI, Mahesh N., CHOPKAR, Paras A., CHORGHAE, Vaishnavi R.

**54: MACHINE LEARNING BASED SYSTEM FOR PHYSICAL HEALTH IMPROVEMENT**

00: -

The proposed invention aims to improve the physical health of the user by giving personalized recommendations on exercises and diet based on the user data. Using web technology, a website has been created which allows the user to create an account and fill their profile. A machine learning model has been built using Decision Tree Algorithm for assigning a health category to the user based on the data received from the profile. According to this health category and some more details collected from the user, the website recommends appropriate diet and exercises to the user for health

improvement. A database has been built to store and maintain the profile, food and exercise data. The recommendations are updated when the user updates their profile. Also, the website displays general nutritional and disease information for the purpose of creating health awareness. The proposed project enables the user to find their health category, get tailored suggestions on health improvement and also get information about general nutrition and human health.

21: 2022/12281. 22: 2022/11/10. 43: 2023/01/05  
51: A61B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SAWANT, Sachin S., RAI, Prakhar, RAKTE, Ishan, RAJANDEKAR, Rugved, RANADE, Nishad, RAJPUROHIT, Subhash, RAIKAR, Tushar

**54: A SYSTEM FOR PERSONALISED HEALTHCARE**

00: -

This modern era serves many Healthcare Applications to the users but are of complex nature and the features are restricted to one particular application so, the purpose of Sprint: The Personalised Healthcare app is to offer all the features at one particular place which is not complex in nature for the user, the application serves all the features effortlessly due to the basic design. The other purpose which this app holds is the present COVID-19 scenario which is the reason this application is integrated with several APIs which provide Vaccine tracking, Oxy-pulse, symptoms and precautions of COVID-19, Sleep info, calorie intake, BMI value with the help of weight and height along with suggestions on the same which reflects the research in mHealth1 applications.

21: 2022/12290. 22: 2022/11/10. 43: 2022/12/14  
51: B61L

71: XI'AN RAILWAY SIGNAL CO., LTD., CRSC (XI'AN) RAIL TRANSIT INDUSTRY GROUP CO., LTD., TIANJIN RAILWAY SIGNAL CO., LTD.

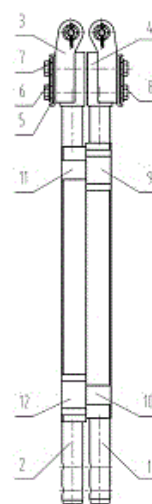
72: NING, ZONGXIA, TANG, YIMING, ZHANG, ZHEN, HE, JIANFENG, GAO, XIAOWEI, CAI, PENGXIANG, CHEN, LEI, WANG, PURU, ZOU, CHAORONG, QIAO, CHENXUAN

33: CN 31: 202010525938.0 32: 2020-06-10

**54: TRANSFER DETECTION ROD FOR CONVERSION EQUIPMENT, AND REVERSING METHOD**

00: -

A transfer detection rod for conversion equipment, and a reversing method. The transfer detection rod comprises: a first rod (1), a second rod (2) and connector irons (3) of each of a transfer locking rod (15) and a transfer indication rod (16); middle parts of the first rod (1) and the second rod (2) are of a square rod structure, the first rod and the second rod are respectively provided with a detection port (10, 11) and an adjustment port (9, 12), and the first rod (1) and the second rod (2) are round rods having two ends provided with threaded mounting holes; the first rod (1) and the second rod (2) are parallel in opposite directions so that the positions of the square rods are aligned and combined with each other, and insulating tubes (4) are respectively sleeved on ends of the first rod and the second rod; and two connector irons (3) are provided, and are correspondingly connected to the first rod (1) and the second rod (2) respectively. The present invention has beneficial effects that the structure is simple, and when the conversion equipment is reversed, the transfer detection rod does not need to be pulled out, and only the connector iron (3) assembly of the transfer detection rod is reversed.

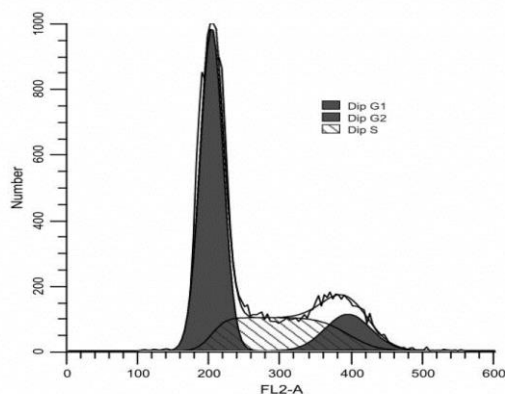


21: 2022/12321. 22: 2022/11/11. 43: 2023/01/06  
51: A61P

71: China-Japan Union Hospital Of Jilin University  
72: WANG, Yue, WANG, Zhenxing, HUANG, Yuxin, GAO, Haicheng, LIU, Shenhe, MAI, Shixiong

**54: DEVELOPMENT AND PREPARATION OF RUTIN-CISPLATIN SYNERGISTIC ANTI-LUNG CANCER NANOEMULSION INJECTION**

00: -  
 The development and preparation of a rutin-cisplatin synergistic anti-lung cancer nanoemulsion injection is provided. The rutin-cisplatin synergistic anti-lung cancer nanoemulsion injection of the invention is prepared by rutin and cisplatin in volume ratio: rutin (2 ml, multiply (10 to 60) by 10<sup>-2</sup> mol/L) : cisplatin (1 ml, multiply 1.25 by 10<sup>-2</sup> mol/L). The nanoemulsion is capable of releasing rutin and cisplatin into the body one by one, playing roles in protecting other organs and enhancing the effect of cisplatin on getting rid of lung cancer cells.

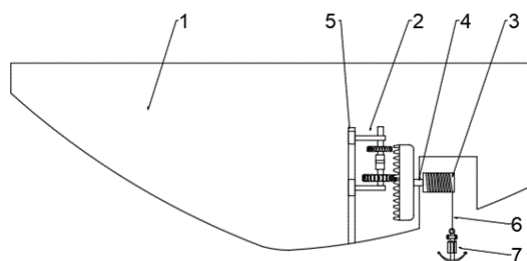


21: 2022/12322. 22: 2022/11/11. 43: 2023/01/06  
 51: B63B  
 71: Zhejiang International Maritime College  
 72: YE, Mingjun

**54: ANCHORING DEVICE FOR SHIPS**

00: -  
 The present invention discloses an anchoring device for ships, which belongs to the technical field of ship equipment, and the technical key points are as follows: the device comprises a hull and also comprises a power mechanism, which is arranged in the hull; wherein an output end of the power mechanism is connected with a second mounting rod; the power mechanism comprises a power piece, a first transmission assembly and a second transmission assembly; the power piece is arranged at one side of limiting pieces; the first transmission assembly is connected with an output end of the power piece; one side of the first transmission assembly is connected with an adjusting assembly; the adjusting assembly is connected with the limiting

pieces; the second transmission assembly is movably connected with the first transmission assembly; one side of the second transmission assembly is connected with the second mounting rod; the second transmission assembly is used for driving the second mounting rod to rotate; the anchoring device for ships also comprises a winding mechanism, wherein one end of the second mounting rod is fixedly connected with the winding mechanism; the winding mechanism is used for winding an anchor rope; and one end of the anchor rope is connected with an anchor, so that the anchor unwinding speed can be adjusted.



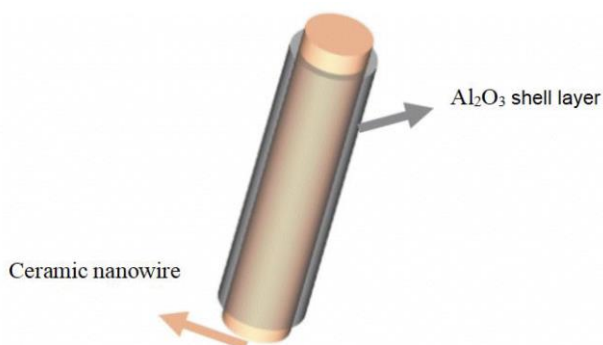
21: 2022/12324. 22: 2022/11/11. 43: 2023/01/06  
 51: C09K  
 71: Shanghai Polytechnic University (SSPU)  
 72: Xu Haiping, Li Guan, Gao Ying, Guo Lihe, Wang Jingrong

**54: CORE-SHELL STRUCTURED NANOWIRE AND POLYMER-BASED HIGH THERMAL CONDUCTIVITY COMPOSITE MATERIAL AND ITS PREPARATION METHOD**

00: -  
 The invention provides a core-shell structured nanowire and polymer-based high thermal conductivity composite material and its preparation method, which relates the technical field of nano-composite materials. The core-shell structured nanowire filler is prepared by coating metal oxide Al<sub>2</sub>O<sub>3</sub> on the surface of the ceramic nanowire, and then the core-shell structured nanowire filler is compounded with the polymer to prepare the composite material. The composite material prepared by this method can effectively improve its thermal conductivity. In addition, the thermal conductivity of the composite material increases with the increase of the thickness of the core-shell structure coating layer. In addition, the preparation process of the method is mature, simple, low in cost,



green and environment-friendly, the process parameters are easy to control, and the scale-up production is easy to realize.



21: 2022/12325. 22: 2022/11/11. 43: 2023/01/06  
51: A61L

71: XU, JIN'GUO

72: XU, JIN'GUO

**54: FIBRIN-CHITOSAN ELECTROSPUN HEMOSTATIC PATCH AND PREPARATION METHOD THEREOF**

00: -  
The invention discloses a fibrin-chitosan electrospun hemostatic patch and preparation method thereof. The hemostatic patch includes the chitosan fiber membrane containing fibrinogen and thrombin, and the chitosan fiber membrane containing transglutaminase, and then the two layers of chitosan fiber membrane are bonded to prepare the hemostatic patch. The patch has excellent hemostatic effect. Fibrinogen is cut by thrombin and further cross-linked under the action of transglutaminase to form stable blood clots. The patch can be completely degraded in the body without secondary debridement, avoiding secondary injury to the injured, and can be used for postoperative hemostasis and hemostasis of the injured in various emergencies. It has significant clinical advantages, good commercial value and broad application prospects.

21: 2022/12330. 22: 2022/11/11. 43: 2023/01/06  
51: A61B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: DHAKE, Rajesh J., Kakade, Surabhi, DAVANGE, Pratik, DASHETWAR, Isha, DATEROA, Shoumik, DAVARI, Vaishnavi, DEOKAR, Om, DEORE, Yash

**54: A NOVEL METHOD FOR TESTING COVID - 19 INFECTION RATE**

00: -  
Coronavirus unwellness 2019 (COVID-19), caused by severe acute metabolism syndrome coronavirus a pair of (SARS-CoV-2), has become associate unexampled public health crisis. The first case was detected in late 2019 in China and it before long unfold across the globe eventually declared pandemic by the World Health Organization. thus the Infection hindrance and management (IPC) Assessment Framework (IPCAF) tool is introduced to support the implementation of WHO's pointers on core elements of IPC programs. IPCAF is undertaken as a self-assessment, its quality depends on being completed objectively and as accurately as doable. distinctive existing strengths and achievements, building confidence and convincing decision-makers that success and progress is feasible. once assessing the form the IPCAF offers a score which might be used as associate indicator of the amount of progress from associate improvement perspective. . we've programmed this web site victimization HTML, JavaScript, CSS, Bootstrap to resolve realize the covid infection rate once respondent the queries asked.

21: 2022/12379. 22: 2022/11/14. 43: 2022/11/30  
51: B24B

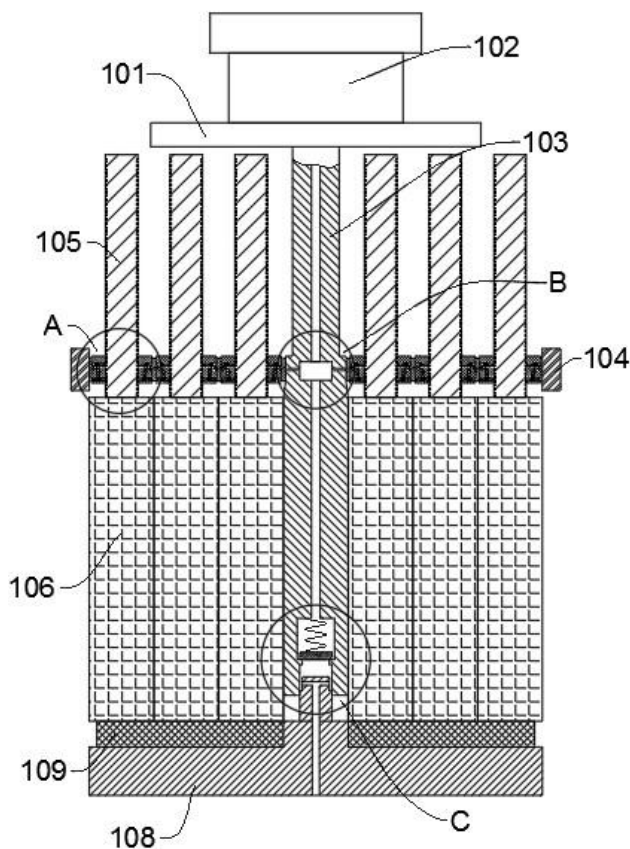
71: JIANGXI HUAPAI OPTOELECTRONICS TECHNOLOGY CO., LTD.

72: TANG, Zhangxiang, TIAN, Jun

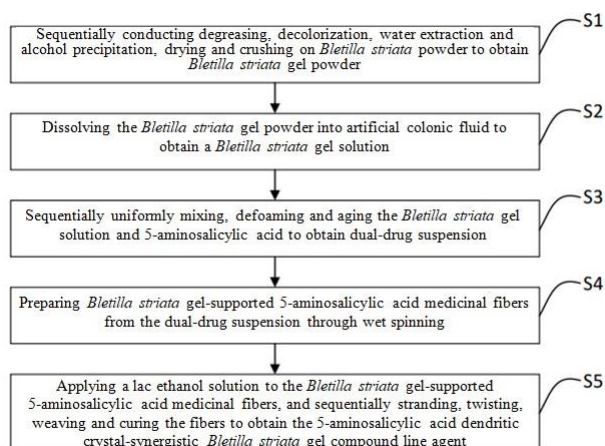
**54: DOUBLE-SIDED FLAT GRINDING AND POLISHING MACHINE**

00: -  
Disclosed is a double-sided flat grinding and polishing machine comprising a top plate of polishing machine, a hydraulic press and a base. The top plate engages the hydraulic press; a lower end of the top plate connected with a central rod; movable rods are arranged at the lower end of the top plate; the movable rods are annularly expanded and distributed around the central rod and is externally sleeved with a limiting ring sleeves which are connected with one another by a connecting rod. Each ring grinding rod is separately replaceable; the flatness of all grinding rods can be calibrated; when a workpiece to be ground is mounted, the grinding

rods are separated from the upper surface of the base; an exhaust top plate seals an exhaust port; air pressure causes the limiting ring sleeves to lock the movable rods, thereby locking the grinding rods and achieving uniform flatness.



crushing on *Bletilla striata* powder to obtain *Bletilla striata* gel powder; dissolving the *Bletilla striata* gel powder into artificial colonic fluid to obtain a *Bletilla striata* gel solution; sequentially uniformly mixing, defoaming and aging the *Bletilla striata* gel solution and 5-aminosalicylic acid to obtain dual-drug suspension; preparing *Bletilla striata* gel-supported 5-aminosalicylic acid medicinal fibers from the dual-drug suspension through wet spinning; and applying a lac ethanol solution to the *Bletilla striata* gel-supported 5-aminosalicylic acid medicinal fibers, and sequentially stranding, twisting, weaving and curing the fibers to obtain the 5-aminosalicylic acid dendritic crystal-synergistic *Bletilla striata* gel compound line agent.



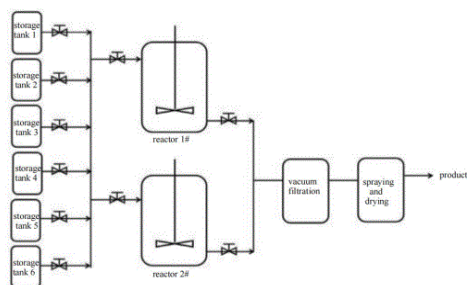
21: 2022/12380. 22: 2022/11/14. 43: 2022/11/30  
 51: A61K; C08J  
 71: CHONGQING HOSPITAL OF TRADITIONAL CHINESE MEDICINE  
 72: ZHANG, Ling, LENG, Jing  
**54: PREPARATION METHOD AND APPLICATION OF 5-AMINOSALICYLIC ACID DENDRITIC CRYSTAL-SYNERGISTIC BLETILLA STRIATA GEL COMPOUND LINE AGENT**

00: -  
 The present invention relates to the technical field of biological medicine, and particularly relates to a preparation method and an application of a 5-aminosalicylic acid dendritic crystal-synergistic *Bletilla striata* gel compound line agent. The preparation method includes: sequentially conducting degreasing, decolorization, water extraction and alcohol precipitation, drying and

21: 2022/12470. 22: 2022/11/16. 43: 2023/01/11  
 51: B01J; C10L  
 71: Inner Mongolia University, Inner Mongolia Zhongtai Intelligent Chemical Technology Co., Ltd.  
 72: HAO, Haigang, WANG, Zhenyu, LU, Wenhui, CAO, Cheng, JIA, Min  
**54: COAL-WATER SLURRY ADDITIVE PRODUCTION SYSTEM AND PROCESS**

00: -  
 The coal-water slurry additive production system is consisted of several raw material tanks, two enamel reactors with a stirring device, a vacuum filtration system and a spray dryer. The raw material tanks are connected to two main pipes through the branch pipes, the two main pipes are connected with the two enamel reactors (reactor1 and reactor2), respectively. Further, the raw materials are measured by weighing modules and the feed rates are controlled by regulating valves. After reaction, the liquid products produced in reactors were

transferred by pipe to the vacuum filtration system and then furthered transferred to spray dryer where dry powder products were produced.



21: 2022/12471. 22: 2022/11/16. 43: 2023/01/11  
51: A01G

71: TaiShan University

72: LIU, Changyou, LI, Lei, YAO, Qi, LIU, Min, ZHANG, Ting, ZHANG, Dameng, JIN, Jie

**54: RAPID SURVIVAL METHOD FOR GRAFTING OF THICK BRANCH OF ACER TRUNCATUM FOR LANDSCAPE ENGINEERING**

00: -

The present invention is based on traditional grafting methods, a thick branch trunk of Acer truncatum is creatively used as a scion, an Acer truncatum seedling with a complete root system is grafted onto a truncated thick branch section of Acer truncatum through bark grafting or grooving grafting methods, the seedling and thick branch section grow together, nutrients absorbed by a thick branch are supplied, the thick branch grows into an Acer truncatum thick branch stub landscape, and then an Acer truncatum stub potted landscape blank is made through pruning and art processing, so the purpose of rapidly forming the Acer truncatum stub potted landscape is achieved, with a period of 2-3 years. Main materials include a waste branch pruned from an Acer truncatum big tree or a thick branch trunk reasonably cut from an Acer truncatum big seedling, and a 1-2-year-old Acer truncatum seedling with a complete root system.

21: 2022/12472. 22: 2022/11/16. 43: 2023/01/11  
51: A01G

71: Taishan University

72: LIU, Xia, SHI, Weidong, YAO, Qi, LI, Shan, ZHANG, Ting, LI, Kai, YUE, Junsheng

**54: METHOD FOR MAKING ANTIQUE STUB BONSAI BY DRILLING GRAFTING OF THICK BRANCH OF GINKGO BILOBA**

00: -

The present invention is based on traditional grafting methods, a thick branch trunk of Ginkgo biloba is creatively used as a scion, a Ginkgo biloba seedling with a complete root system is grafted onto a truncated thick branch segment of Ginkgo biloba through a drilling grafting method, the seedling and thick branch segment grow together, nutrients absorbed by a thick branch are supplied, the thick branch grows into a Ginkgo biloba thick branch stub bonsai, and then a Ginkgo biloba stub bonsai blank is made through pruning and art processing, so the purpose of rapidly forming the Ginkgo biloba stub bonsai is achieved, with a period of 2-3 years. Main materials include a waste branch pruned from a Ginkgo biloba big tree or a thick branch trunk reasonably cut from a Ginkgo biloba big seedling, and a 1-2-year-old Ginkgo biloba seedling with a complete root system.

21: 2022/12473. 22: 2022/11/16. 43: 2023/01/11  
51: A61K; C07K; C12N; A61P

71: Xinxiang Medical University

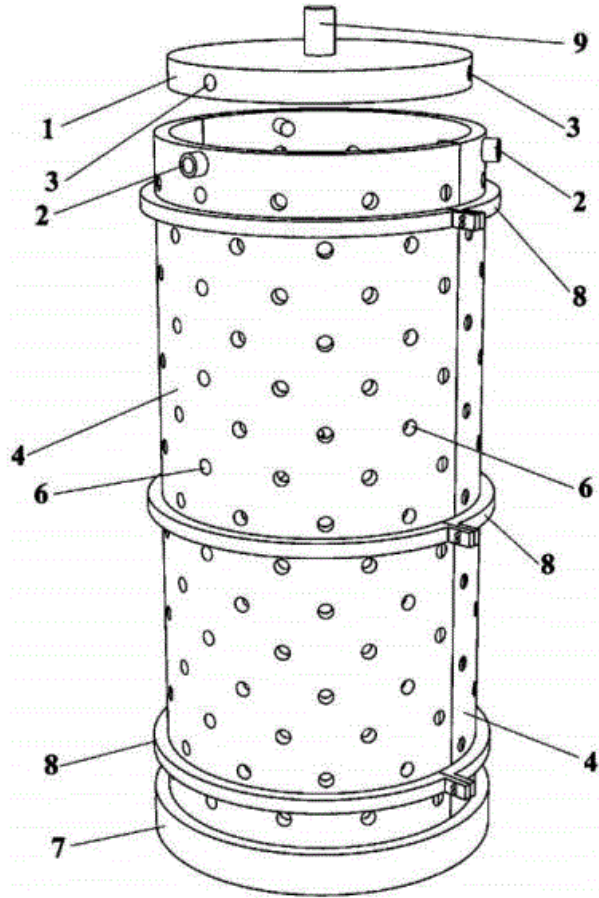
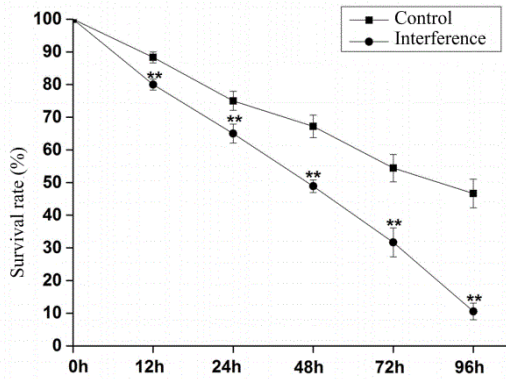
72: DU, Juan, TANG, Yuanyuan, GUAN, Liping, HU, Lixia, JIN, Yan

33: CN 31: 202211208726.5 32: 2022-09-30

**54: C-TYPE LECTIN DERIVED FROM EXOSKELETON OF MACROBRACHIUM NIPPONENSE, AND ENCODING GENE AND USE THEREOF**

00: -

The present disclosure provides a C-type lectin derived from exoskeleton of Macrobrachium nipponense, and an encoding gene and use thereof, and belongs to the technical field of gene engineering. The C-type lectin has an amino acid sequence shown in SEQ ID NO: 1. The present disclosure discovers a new C-type lectin and an encoding gene thereof in the exoskeleton of Macrobrachium nipponense, and demonstrates roles thereof in improving immunity and survival rate of the Macrobrachium nipponense. In the present disclosure, after injection of the C-type lectin into the abdomen of the Macrobrachium nipponense and Aeromonas hydrophila infection, the survival rate of the Macrobrachium nipponense increases significantly, and reaches sixty percent at 96 h after challenge.



21: 2022/12477. 22: 2022/11/16. 43: 2023/01/11  
51: G01N

71: Henan University of Urban Construction  
72: REN, Mingyang, WU, Xuyang, LIU, Heng, LIU, Jiahui, WANG, Qingguo, ZHAI, Panpan, SHEN, Tong, CHU, Yapei, MA, Yabing

**54: TRUE THREE-DIMENSIONAL GEOMECHANICAL MODEL TEST ANCHOR ROD PRE-EMBEDDING DEVICE AND OPERATION METHOD**

00: -

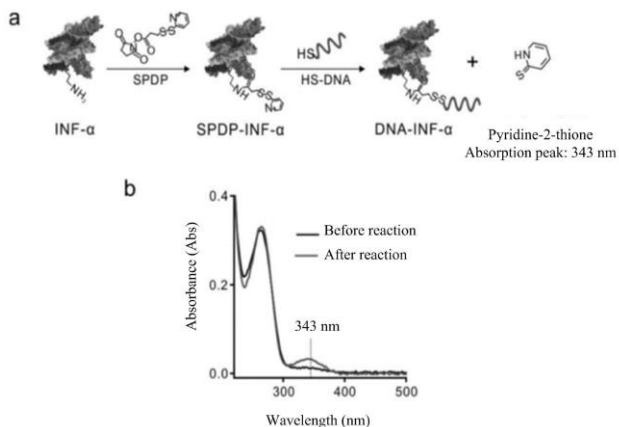
The present invention discloses a true three-dimensional geomechanical model test anchor rod pre-embedding device and operation method, wherein the device comprises a base, a top cover, a connecting piece, a sleeve and a hoop; the sleeve is composed of two semi-circular cylinders, the sleeve is provided with an anchor rod positioning hole, and when in use, the sleeve is inserted into the base clamping groove and fixed as one with a hoop. The present invention solves the technical problems of difficulty in embedding a system anchor rod, difficulty in fixing the position and direction of the anchor rod, and limited embedding range in a true three-dimensional geomechanical model test.

21: 2022/12482. 22: 2022/11/16. 43: 2023/01/11  
51: A61K; C12N; A61P

**54: DRUG-LOADED DNA ORIGAMI RAFT AND PREPARATION METHOD AND USE THEREOF**

00: -

The present disclosure relates to the field of biomedicine, in particular to a drug-loaded DNA origami raft and a preparation method and use thereof. In the present disclosure, IFN-a is accurately and quantitatively loaded on a DNA origami raft by a DNA nanotechnology, thereby achieving a highly controllable drug-loading capacity and sustained-release of the IFN-a.



21: 2022/12485. 22: 2022/11/16. 43: 2023/01/11  
51: A61K

71: Anhui Huangshan capsule co., ltd  
72: Liu Songlin, Liu Guopan, Wei Yaoling, Zhang Zhiqiang

**54: A DOUBLE-LAYER HOLLOW CAPSULE AND A MULTILAYER ENTERIC HOLLOW CAPSULE**

00: -

A bilayer hollow capsule comprising a Gelatin layer characterised by: a gastric-soluble hollow capsule comprising a barrier layer formed of a gastric-soluble film-forming material on the inner wall of the Gelatin layer. A multilayer enteric hollow capsule comprising a Gelatin layer, characterized in that: an enteric hollow capsule comprising an isolation layer formed of an enteric-soluble film-forming material on the inner wall of at least the Gelatin layer. The barrier layer is resistant to pharmaceutical acids and alkalis to protect the Gelatin layer and ensure that the capsule does not deteriorate during storage.

21: 2022/12486. 22: 2022/11/16. 43: 2023/01/11  
51: G06T

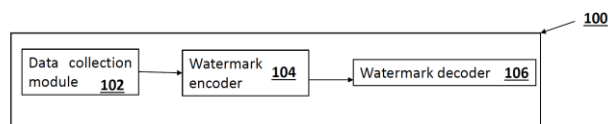
71: Dr. Amit Phadikar, Dr. Himadri Mandal, Dr. Tien-Lung Chiu, Mr. Aniruddha Ghosh, MCKV Institute of Engineering, Calcutta Institute of Technology, BRAINWARE UNIVERSITY, Dr.Subhalaxmi Chakraborty, Dr. Angshuman Majumdar, Ramkrishna Rakshit, Priyanath Mahanti  
72: Dr. Amit Phadikar, Dr. Himadri Mandal, Dr. Tien-Lung Chiu

**54: A SYSTEM AND METHOD TO IMPLEMENT DATA HIDING FOR QUALITY ACCESS CONTROL OF GRAYSCALE IMAGE**

00: -

A data hiding system (100) for quality access control of grayscale image based on FPGA, wherein the system (100) comprises of: a data collection module

(102) for collecting a plurality of host image to represent internal data bit for inherent calculation of encoding and decoding; a watermark encoder (104) to store original image pixel and a watermark, wherein the encoder fetches watermark during watermarking process, wherein the host image is divided into a plurality of non-overlapping blocks of a defined size, wherein a discrete cosine transform (DCT) is performed on each of the non-overlapping blocks; and a watermark decoder (106) to decode the embedded watermark bit, wherein encoded image pixels are taken block-by-block to calculate the variance, select the step-size and generates the different dither sequences depending on the step size.



21: 2022/12488. 22: 2022/11/16. 43: 2023/01/05  
51: A23L

71: NORTHWEST A&F UNIVERSITY  
72: ZHOU, Jie, YU, Youben, YAN, Manzhao, XIAO, Yao, LI, Wengang

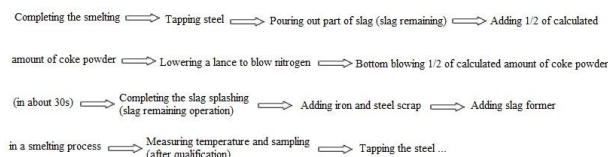
**54: PREPARATION METHOD FOR GRANULAR BLACK TEA OF ALBINO-INDUCED YELLOW TEA CULTIVARS**

00: -

A preparation method for granular black tea of albino-induced yellow tea cultivars and belongs to the technical field of black tea processing including the steps: harvesting of fresh leaves; indoor withering; rolling; separating of the leaves; fermenting; primary drying; first cooling and dampening; first shaping; second cooling and dampening; second shaping; third cooling and dampening; and re-drying. In the present invention, the granular black tea is processed through procedures of picking, withering, rolling, fermenting, primary drying, shaping and drying by taking two and three leaves of one bud of the albino-induced yellow tea cultivars in summer and autumn as raw materials. Categories of yellow tea cultivars are enriched; a problem of product homogeneity is avoided; and a problem that a utilization ratio of summer and autumn tea of albino-induced yellow tea trees is insufficient is solved, so that economic advantages of the cultivars are maximized.

21: 2022/12489. 22: 2022/11/16. 43: 2022/11/30  
 51: C21C  
 71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY  
 72: XUE, Yuekai, WANG, Shuhuan, LI, Chenxiao, ZHAO, Dingguo, AI, Liqun, ZHOU, Chaogang, HAO, Huaqiang, CHEN, Jianjun  
**54: SLAG-REMAINING GASIFICATION DEPHOSPHORIZATION METHOD AND RECYCLING SMELTING METHOD FOR CONVERTER SLAG**

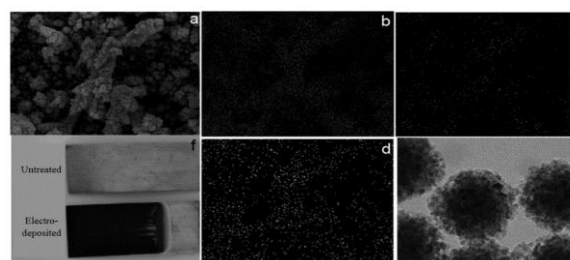
00: -  
 Disclosed is a slag-remaining gasification dephosphorization method and recycling smelting method for converter slag, which includes: after converter smelting and tapping of steel and slag, keeping part of slag in a converter; determining a use amount of reducing agent according to quantity of FeO and P<sub>2</sub>O<sub>5</sub>; adding 1/2 of reducing agent before top blowing of nitrogen for slag splashing protection; bottom blowing nitrogen in a whole process of the slag; using a circular-beam bottom-blowing gas supply element on a bottom of the converter; adding 1/2 of reducing agent after the beginning of nitrogen blowing by lowering a lance, adding the reducing agent at a slag conditioning agent, obtaining the slag after the gasification dephosphorization; adding iron and steel scrap into the converter for the smelting of next heat, adding new slag former in the process; carrying out steel tapping operation after the smelting, carrying out the cyclic smelting.



21: 2022/12491. 22: 2022/11/16. 43: 2023/01/11  
 51: B01J; C25B  
 71: Henan University of Urban Construction  
 72: BAO, Yun, WU, Xuyang, XU, Kaidong, WANG, Jina, XIE, Zhenyu, WANG, Yuan  
**54: PREPARATION METHOD OF TRANSITION METAL CARBONITRIDE**

00: -  
 The present invention relates to the field of electrocatalysis, and discloses a preparation method of a transition metal carbonitride. The method comprises: weighing a nitrogen source to prepare

solution A1; weighing boric acid, Na<sub>2</sub>SO<sub>4</sub>, a transition metal salt, sodium dodecyl benzene sulfonate, and ammonium citrate to prepare copper plating electrolytic solution A2; mixing solution A1 and solution A2 equivalently, and stirring uniformly to prepare solution A3; and carrying out composite electrodeposition, rinsing, drying and other steps, that is, a series of efficient, cheap and stable catalysts based on iron, cobalt, nickel, copper, etc. for the electrolysis of water for hydrogen and oxygen evolution can be prepared by electrodeposition.



21: 2022/12494. 22: 2022/11/16. 43: 2023/01/11  
 51: A01G  
 71: Dezhou Academy of Agricultural Sciences  
 72: Han Meimei, Duan Qingqing, Zhang Zikun, Chang Peipei, Li Tengfei, Wang Jingjing, Zhang Shaoli, Zhang Luqi, Li Hua  
 33: CN 31: 202210325657.X 32: 2022-03-30  
**54: A THREE-DIMENSIONAL CULTIVATION METHOD OF CAPSICUM ANNUUM INTERPLANTING HIGH-STALK CROPS**

00: -  
 The invention provides the three-dimensional cultivation method of Capsicum annuum interplanting high-stalk crops, which relates to the technical field of Capsicum annuum cultivation. And the three-dimensional cultivation method of Capsicum annuum interplanting high-stalk crops includes seedling raising, land preparation, field planting, interplanting, water and fertilizer management and field management. What's more, in the invention, by arranging big ridges and small ridges in the east-west direction at intervals, and matching with corn high-stalk crops staggered on the small ridges, wavy shadows can be formed at the big ridges, which can block the strongest midday sunlight; and by matching with the movement of the sun, Capsicum annuum plants can make use of the movement of wavy shadows, and under the condition of obtaining sufficient photosynthesis, the Capsicum annuum plants will not be directly

exposed to sunlight for a long time, thus avoiding the occurrence of sunburn disease, and strengthening the practicability of the invention.

21: 2022/12495. 22: 2022/11/16. 43: 2023/01/11  
51: C04B

71: RAO, Vedula Venkata Naga Prabhakara

72: RAO, Vedula Venkata Naga Prabhakara

**54: A METHOD FOR CALOTROPIS PROCERA FIBRE REINFORCEMENT FOR FLEXURAL STRENGTH ENHANCEMENT OF CONCRETE BEAMS**

00: -

Concrete was most widely used material in the construction field. But over the decades there has been significant increase of adding the Fibres to the concrete, which increases the mechanical properties like toughness, flexural strength, compressive strength, fatigue stiffness & fire resistance. Experimental evidence shows the extensive use of Fibre reinforced concrete in earthquake prone regions and blast resistance structures. In concrete the following types of Fibres can be used to enhance the properties. They are acrylic, asbestos, cotton, glass natural Fibres, nylon polyester polyethylene rayon, Rockwool & steel. In above Fibres, natural Fibres has a special advantage of moulding into any shape & color resistance & weather. The present study involves the determination of optimum % of Calotropis procera Fibre reinforcement (weight/weight ratio) for M50 grade concrete such that its flexural strength get enhanced. The optimum percentage of Calotropis procera stem Fibre as per the present study was 0.9% when curing done by the conventional method. The flexural strength of the concrete beam was increased by 30% when 0.9% Calotropis procera stem Fibres with aspect ratio 30 are added to the concrete and cured by conventional method.

21: 2022/12496. 22: 2022/11/16. 43: 2023/01/11  
51: H02J

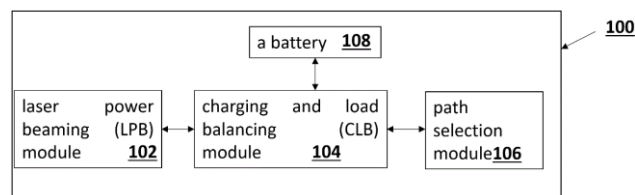
71: Khalsa College of Engineering and Technology, Dr. Mohit Angurala, Dr. Manju Bala, Dr. Nipun Chhabra, Dr. Harmeet Singh, Anupriya Kaushal

72: Dr. Mohit Angurala, Dr. Manju Bala, Dr. Nipun Chhabra, Dr. Harmeet Singh, Anupriya Kaushal

**54: A SYSTEM TO FIND OPTIMUM MODULATION SCHEME IN WIRELESS RECHARGEABLE SENSOR NETWORKS AND A METHOD THEREOF**

00: -

A system (100) and a method (200) to find optimum modulation scheme in wireless rechargeable sensor networks, comprises of: a LPB module (102) for transmitting the power or energy using laser light from one point to other, wherein the LPB module comprises of an UAV (102a), transmitter (102b) and receiver (102c); a CLB module (104) to increase life span of the WSNs upon combining charging and load balancing, wherein the WSNs are charged based on the LPB module and the load is balanced based on MAODV protocol; and a path selection module (106) for planning a pre-trajectory for the UAV to choose anchor points in a way that UAV halts for few seconds for recharging the nodes positioned at various locations and within its coverage range.



21: 2022/12499. 22: 2022/11/16. 43: 2023/01/11  
51: F24F

71: Ms. Gopali Dayal, Prof.(Dr.) Divya J Thakur, Dr. Seema Mahlawat, Dr Aditi Sharma, Mr. Manjeet Sharma, Dr. Savita, Dr. Danish Iqbal Raina, Ms. Kiran Chawla

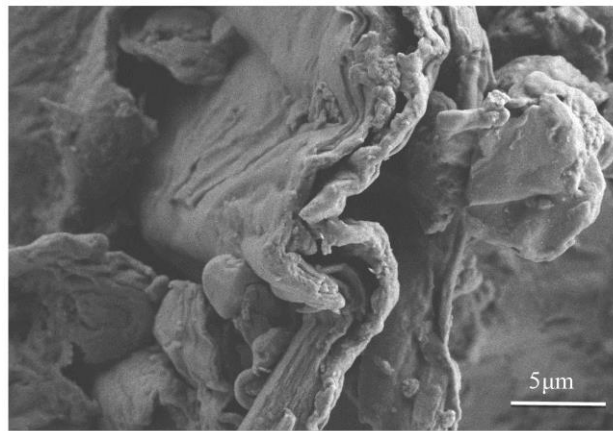
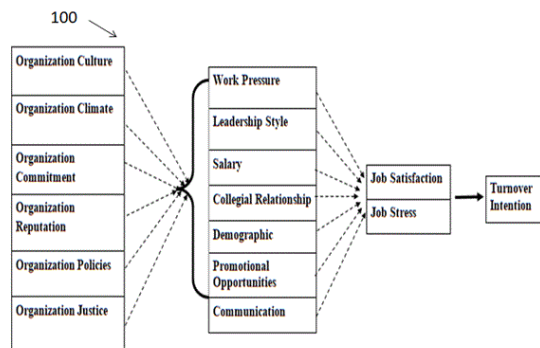
72: Ms. Gopali Dayal, Prof.(Dr.) Divya J Thakur, Dr. Seema Mahlawat, Dr Aditi Sharma, Mr. Manjeet Sharma, Dr. Savita, Dr. Danish Iqbal Raina, Ms. Kiran Chawla

**54: A METHOD FOR ANALYZING FACTORS THAT AFFECT EMPLOYEES' FOR TURNOVER INTENTION**

00: -

The present invention relates to a method (100) for analyzing factors that affect employees' for turnover intention. The method (100) comprises a processor and a display unit. The processor is operably connected with the memory unit. The processor obtaining the machine-readable instructions from the memory unit. The processor is configured to: determine factors that affect employees' for turnover intention; divide determined factors affect employees' for turnover intention; analyze the determined the factors affect employees' for turnover intention. The display unit is operationally connected with the processor. The display unit is configured to

user interface unit and display factors that affect employees' for turnover intention.



21: 2022/12535. 22: 2022/11/17. 43: 2023/01/11  
 51: C08B  
 71: Kunming University of Science and Technology, Yunnan Tobacco Company, Yuxi Branch  
 72: GU, Lili, HUANG, Zhihua, TANG, Xuyu, LI, Zengliang, PENG, Jian, LI, Jiangzhou, ZHANG, Limeng, YANG, Hailin

**54: METHOD FOR EXTRACTING PECTIN FROM TOBACCO STEMS BY MEANS OF ULTRASONIC WAVES AND MIXED ACID**

00: -  
 Provided is a method for extracting pectin from tobacco stems by means of ultrasonic waves and a mixed acid, and belongs to the technical field of recycling of waste in tobaccos. According to the present invention, the mixed acid comprised of an organic acid and an inorganic acid is used as a pH value adjusting fluid. The mixed acid features mild acidity, and can prevent pectin from being hydrolyzed due to hyperacidity while damaging cell walls, such that the yield of pectin is improved. By adopting ultrasonic-assisted extraction, cavitation and wall breaking effects of ultrasonic waves are enhanced, and the ultrasonic waves can act on raw materials to enhance damage to the cell walls, so as to provide assistance for an extracting solution to subsequently better enter the cell walls and dissolve pectin out, such that the yield of pectin is effectively improved.

21: 2022/12540. 22: 2022/11/17. 43: 2023/01/11  
 51: A01N

71: Dezhou University  
 72: Naiqin ZHANG, Mingyou WANG, Shiping LI, Fangsheng GAO, Lei WANG, Haihui JIA, E MENG

**54: PESTICIDE SYNERGIST AND ITS PREPARATION METHOD**

00: -  
 The invention discloses a microbial pesticide synergist. The microbial pesticide synergist comprises the following components: soybean extract, copper sulfate, dihydrocapsaicin, an epoxy vegetable oil pesticide stabilizer and an emulsifier. By adopting the wheat microbial pesticide synergist, the pesticide effect of a pesticide can be greatly improved, the dosage of effective components of the pesticide is reduced, the pollution of the pesticide to wheat and the environment is reduced, and the yield of the wheat is increased.

21: 2022/12546. 22: 2022/11/17. 43: 2023/01/11  
 51: G06K

71: Dr Pramod Kumar Naik, Dr. Sindhu. P. Menon, Dr Basavaraj N Hiremath, Prof Baskar Venugopalan, Dr. Kiran B. Malagi, Arun Khannur, Dr Ravinder Singh Kuntal, Mr Naveen Kulkarni, Mr Pratham V Kamat, Mr Gangesh Gunjan, Mr Yogesh Sirvi, Nachiketh U Ujjainimath

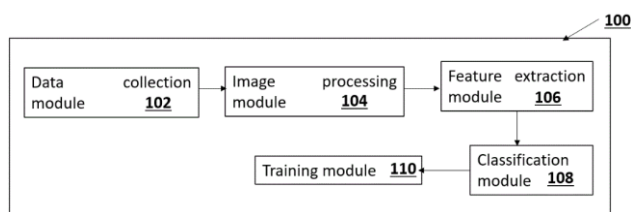
72: Dr Pramod Kumar Naik, Dr. Sindhu. P. Menon, Dr Basavaraj N Hiremath, Prof Baskar Venugopalan, Dr. Kiran B. Malagi, Arun Khannur, Dr Ravinder Singh Kuntal, Mr Naveen Kulkarni, Mr Pratham V Kamat, Mr Gangesh Gunjan, Mr Yogesh Sirvi, Nachiketh U Ujjainimath

**54: A NOVEL HARDWARE PROTOTYPE FOR CROWD MONITORING SYSTEM AND A METHOD THEREOF**

00: -



A crowd monitoring system (100) and a method (200), comprises of: a dataset collection module (102) for capturing either an image or a video from a plurality of category as input; an image processing module (104) associated with the dataset collection module (102) for processing and denoising the captured images or videos; a feature extraction module (106) associated with the image processing module (104) for extracting a plurality of features relevant to classify the crowd; and a classification module (108) associated with the feature extraction module (106) for classifying the plurality of extracted features into a plurality of classes based on a training module (110).



21: 2022/12555. 22: 2022/11/17. 43: 2023/01/11  
 51: A01N; A01P  
 71: SZEWCZYK, Roman  
 72: SZEWCZYK, Roman, WOZNICA, Zenon, WOS, Kazimierz  
 33: PL 31: P.433649 32: 2020-04-23

**54: ADJUVANT FOR AGROCHEMICALS**

00: -  
 An adjuvant for agrochemicals, in particular plant protection agents, comprising an oil component which is a substance selected from the group of: vegetable oil, vegetable fatty acid methyl ester, vegetable fatty acid ethyl ester, vegetable fatty acid butyl ester or mixtures thereof and a wetting component, alkalizing-compatibilizing agent comprising: an alkaline non-ionic surfactant consisting of a mixture of ethoxylated alkyl amines with a C13-15 alkyl chain length and a non-ionic surfactant from the group of vegetable polyglycerol esters of vegetable fatty acids with a carbon chain length of C12-22. The invention also relates to a foliar spray composition comprising: a plant protection agent selected from the group of herbicides, biostimulants, growth regulators or fertilizers or mixtures thereof, water and an adjuvant according to the invention. The adjuvant according to the invention is characterized by high biodegradability, is used to obtain a spray liquid with

high service life and ensures high solubility of the active substances used and their high retention on the sprayed surface.

21: 2022/12679. 22: 2022/11/22. 43: 2023/01/11  
 51: C22C  
 71: Shenyang University of Technology  
 72: ZHANG, Siqian, ZHANG, Zhipeng, WANG, Xin, ZHANG, Haoyu, ZHOU, Ge, HE, Zhenghua, LIN, Li, CHE, Xin, CHEN, Lijia

**54: HIGH-STRENGTH AL-CU-MG-CE WROUGHT ALUMINIUM ALLOY AND PREPARATION METHOD THEREOF**

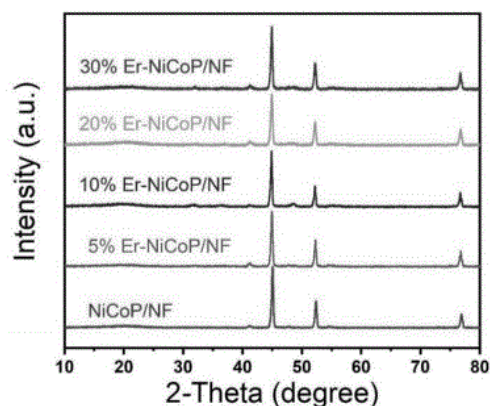
00: -  
 The present invention discloses a high-strength Al-Cu-Mg-Ce wrought aluminium alloy and a preparation method thereof. The wrought aluminium alloy includes the following components in percentage by weight: 4.3-4.5 percent of Cu, 0.2-0.6 percent of Mg, 0.1-0.3 percent of Ce and a remaining amount of Al. The Al-Cu-Mg-Ce wrought aluminium alloy has high toughness and further has high tensile strength and yield strength. Because the rare earth element Ce is adopted, the best toughening effect can be obtained while microalloying is achieved, and impurities and inclusions generated by alloying can be minimized. Because Ce element is added to Al-Ce intermediate alloy, accurate control over alloying constituents is guaranteed, and the preparation process of the alloy is high in universality and easy to operate.

21: 2022/12680. 22: 2022/11/22. 43: 2023/01/11  
 51: C25B  
 71: Yunnan University  
 72: HU, Guangzhi, ZHANG, Hua, CHEN, Anran, JIA, Xiuxiu

**54: FOAMED NICKEL-BASED ERBIUM-DOPED NICKEL-COBALT BIMETALLIC PHOSPHIDE NANO ARRAY AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF**

00: -  
 The present invention provides a foamed nickel-based erbium-doped nickel-cobalt bimetallic phosphide nano array as well as a preparation method and an application thereof, and belongs to the technical field of functional materials and electrocatalytic decomposition of water. The preparation method includes the following steps: mixing soluble trivalent erbium salt, soluble divalent

nickel salt, soluble divalent cobalt salt, urea, ammonium fluoride and water to obtain a mixed solution; carrying out hydrothermal reaction on the mixed solution and foamed nickel to obtain a hydrothermal product; and calcining a phosphorus source and the hydrothermal product in a protective atmosphere to obtain the foamed nickel-based erbium-doped nickel-cobalt bimetallic phosphide nano array. Introduction of the rare earth element erbium in the present invention is a promising strategy that can be used to regulate and control the micro-morphology and electronic structure of the catalyst, so that the electrocatalytic reaction kinetics are accelerated.



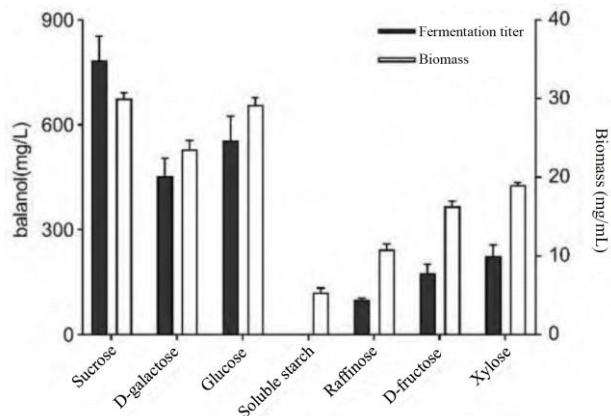
21: 2022/12681. 22: 2022/11/22. 43: 2023/01/11  
 51: B09B  
 71: Xi'an Jiaotong University  
 72: Duan Peigao, Wang Zhicong, Hou Xiaoke, Wang Yibo, Lian Dongjin  
**54: METHOD FOR PREPARING HYDROTHERMAL CARBON-BASED FUNCTIONAL NUTRIENT SUBSTRATE BY STEAM EXPLOSION COMBINED WITH HYDROTHERMAL CARBONIZATION AND AEROBIC FERMENTATION AND ITS APPLICATION**

00: -  
 The invention discloses the method for preparing hydrothermal carbon-based functional nutrient substrate by steam explosion combined with hydrothermal carbonization and aerobic fermentation and its application, and it belongs to the technical field of resource preparation of solid wastes. Firstly, perform steam explosion combined with hydrothermal carbonization on the mixture of distiller's grains and straws to obtain hydrothermal carbon with rich oxygen-containing functional groups on the surface; and then perform aerobic

fermentation and rapid humification on the hydrothermal carbon to prepare the hydrothermal carbon-based functional nutrient substrate finally. In addition, the invention has the following technical advantages: the method of the invention can make the best use of raw materials, reduce the loss of nutrient elements in the treatment process, overcome the deficiency of preparing substrate with single raw materials of distiller's grains or straws; and greatly shorten the aerobic fermentation and decomposition time; In addition, the substrate has rich pore structure and strong water and fertilizer retention capacity; The substrate has high maturity and humic acid content, and strong fertilizer efficiency. And it can effectively reduce the use of pesticides and fertilizers, and it has the advantages of low cost, low energy consumption and no environmental pollution.

21: 2022/12684. 22: 2022/11/22. 43: 2023/01/11  
 51: C12N; C12P; C12R  
 71: Zhejiang University  
 72: CHEN, Xin-ai, LI, Yong-quan, ZHANG, Min  
 33: CN 31: 202111412818.0 32: 2021-11-25  
**54: CULTURE MEDIUM FOR PRODUCING PROTEIN KINASE C INHIBITOR BALANOL AND METHOD THEREOF**

00: -  
 The present disclosure provides a culture medium for producing a protein kinase C (PKC) inhibitor balanol and a method thereof. The culture medium is used for producing the PKC inhibitor balanol by a biological fermentation method. The culture medium consists of sucrose, yeast powder, polypeptone, magnesium sulfate and potassium dihydrogen phosphate. According to this method, a seed fermentation broth is inoculated into high-yield culture medium according to an inoculum size of two percent, that is, a broth content of a 250 ml conical flask is 75 ml, and the strain is cultured at 26 degree Celsius and a rotational speed of 150 rpm for 12 days. The fermentation method in the present disclosure includes strain activation, fermentation seed culture and fermentation optimization. The culture medium provided by the present disclosure is used for producing the balanol by fermentation, which greatly improves fermentation titer of the PKC inhibitor balanol.



21: 2022/12685. 22: 2022/11/22. 43: 2023/01/11  
51: C09K; E21B

71: China Oilfield Services Limited

72: FENG, Qing, LI, Xiaonan, LI, Dan, LI, Shengsheng, SHE, Yuehui, ZHANG, Fan

**54: AUGMENTED INJECTION FLUID AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF**

00: -

The application discloses an augmented injection fluid as well as a preparation method and an application thereof. The augmented injection fluid includes a carrier fluid and a nano-silicon material, wherein the carrier fluid includes the following raw materials in percentage by weight: 0.1 percent-1 percent of biosurfactant, 0.1 percent-2 percent of bio-enzyme, 0.5 percent-2 percent of cosolvent, 0.01 percent-0.1 percent of microbial polysaccharide and a remaining amount of water; and a weight ratio of the carrier fluid to the nano-silicon material is 100:(0.01-10). According to the augmented injection fluid, microbial metabolites are used as a disperse system, synthesis and performance of a nano resistance-reducing augmented injection material are utilized, the technical mechanisms such as wetting reversal, adsorption, erosion resistance, and porosity and permeability enhancement of the nanomaterial are comprehensively applied to reduce the seepage resistance near the wellbore, so that the validity period of the measure is greatly improved.

21: 2022/12686. 22: 2022/11/22. 43: 2023/01/11  
51: E21F

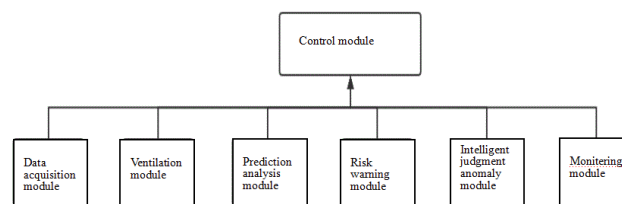
71: Anhui University of Science and Technology, CCTEG CHONGQING RESEARCH INSTITUTE

72: Xuezhao XU, Kequan WANG, Sheng XUE, Qinghua ZHANG, Qingming LONG, Yahu YAO, Haomin DONG, Xijun ZHANG, Fei LIU, Ruofei ZHANG

**54: A RISK WARNING SYSTEM OF MINE CONSTRUCTION BASED ON MINE VENTILATION DETECTION**

00: -

A risk warning system of mine construction based on mine ventilation detection includes a monitoring module, a data acquisition module, a ventilation module, a prediction analysis module, and a risk warning module; The monitoring module monitors the concentration inside the mine through a gas concentration detector; The data acquisition module collects the gas concentration data of the monitoring module; The prediction analysis module determines whether there is a high risk of gas concentration in the current mine by analyzing the data of gas concentration data change in the preset time and the current gas concentration data; A risk warning system of mine construction based on mine ventilation detection, the personnel can know whether there is a gas leakage quickly through a monitoring module, a data acquisition module, a prediction analysis module, and a risk warning module, the ventilation fan in this area will operate to reduce the gas concentration caused by the gas leakage.



21: 2022/12689. 22: 2022/11/22. 43: 2023/01/11  
51: G06F

71: Hunan Women's University

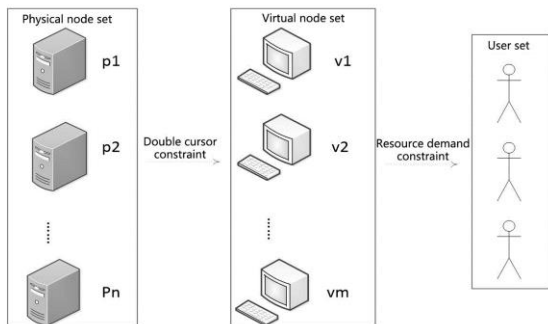
72: Liu Shukun, Pan Xianmin

**54: A RESOURCE ALLOCATION METHOD OF VIRTUAL MACHINE BASED ON DOUBLE CURSOR CONTROL MECHANISM**

00: -

A resource allocation method of virtual machine based on double cursor control mechanism, the specific scheme is as follows: S1: Build constraints; S2: Two line integrals are added; S3: The following conclusions are obtained: S4: According to Green's formula, two-dimensional resources are determined,

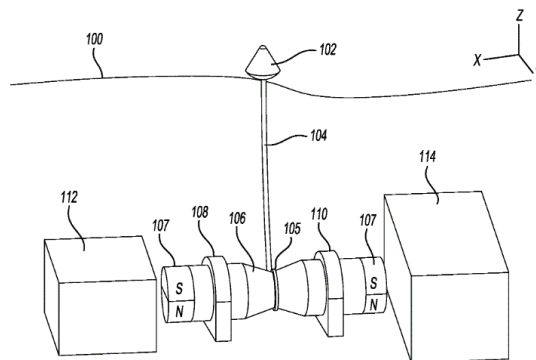
and the unique value of resource indicators is obtained on the integral curve. This application focuses on the problem of virtual machine deployment and proposes a double cursor control method based on the double cursor dynamic coordination mechanism. The dual cursor mechanism is a dynamic measurement and adjustment mechanism, focusing on specific resources (such as CPU and memory). Through the cursor mechanism, the CPU and memory can be dynamically adjusted to a coordinated state of resources hybrid, which can effectively improve the resource utilization rate. The dual cursor two-dimensional resource control mechanism plays an important role in the virtual machine deployment of personalized resource integration and virtual machine migration.



21: 2022/12694. 22: 2022/11/22. 43: 2023/01/11  
 51: F03B  
 71: IYER, Narayan R.  
 72: IYER, Narayan R.  
 33: US 31: 63/065,779 32: 2020-08-14  
 33: US 31: 63/136,284 32: 2021-01-12  
 33: US 31: 63/200,015 32: 2021-02-09  
 33: US 31: 63/201,173 32: 2021-04-15  
 33: US 31: 17/388,599 32: 2021-07-29

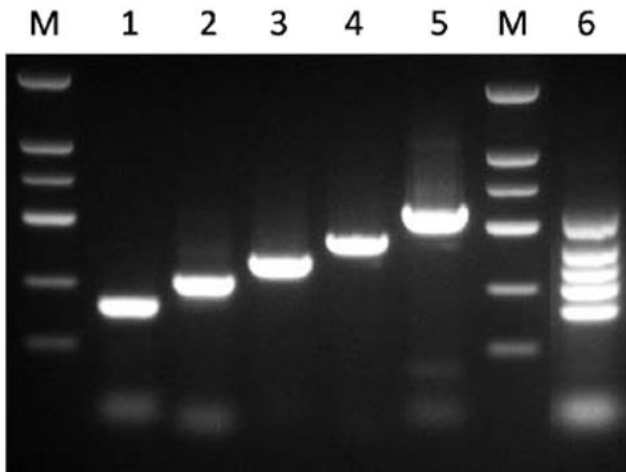
**54: SYSTEM AND METHOD OF CAPTURING AND LINEARIZING OCEANIC WAVE MOTION USING A BUOY FLOTATION DEVICE AND AN ALTERNATING-TO-DIRECT MOTION CONVERTER**

00: -  
 A method and system are disclosed which provides for power generation from oceanic wave motion which utilize: a double concave sided buoy flotation device, a recoil mechanism, an alternating-to -direct motion converter with gears having gravitational unidirectional collapsible teeth thereon and an underwater ramp to direct waves toward the buoy.



21: 2022/13082. 22: 2022/12/02. 43: 2023/01/09  
 51: C12N; C12Q; C12R  
 71: JIANGSU XUHUI DISTRICT XUZHOU INSTITUTE OF AGRICULTURAL SCIENCES (JIANGSU XUZHOU SWEET POTATO RESEARCH CENTER)  
 72: ZHAO, Yongqiang, LIU, Canyu, ZHANG, Biwei, GE, Jie, YANG, Qingqing, YANG, Feng, FAN, Jide, LU, Xinjuan, SHI, Xinmin, LI, Yong  
 33: CN 31: 202111255823.5 32: 2021-10-27  
**54: MULTIPLEX PCR DETECTION KIT FOR GARLIC VIRUSES**

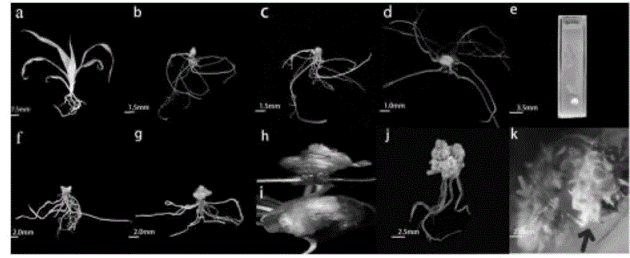
00: -  
 The present invention provides a multiplex PCR detection kit for garlic viruses. The kit includes totally 5 groups of primer pairs of SLV, GCLV, LYSV, OYDV and Allxiviruses, of which nucleotide sequences are shown as SEQ ID NO: 1-10. The garlic viruses are at least one of the SLV, the GCLV, the LYSV, the OYDV and the Allxivirus. The detection kit for the garlic viruses, provided by the present invention, can simultaneously detect 12 viruses, such as the SLV, the GCLV, the LYSV, the OYDV and the Allxivirus, which infect the garlic, through one-time PCR reaction. Therefore, the detection efficiency is improved, and the detection cost is reduced. The primers used in the present invention are high in specificity, and the target bands are rational in size and distribution. The types of infectious viruses can be effectively identified while the accuracy of the detection results is ensured.



21: 2022/13140. 22: 2022/12/05. 43: 2023/01/09  
 51: A01H  
 71: LU DONG UNIVERSITY  
 72: GUO, Xiaotong, LI, Bei, CHEN, Lele, YANG, Shuaiwei, ZHANG, Shuhao, ZHANG, Hongxia  
 33: CN 31: 202210498092.5 32: 2022-05-09

**54: A METHOD OF PINEAPPLE SEEDLINGS REGENERATION AND AXILLARY BUDS GROWTH POINT TRANSFORMATION**

00: -  
 The present invention provides a Method of Pineapple Seedlings Regeneration and Axillary Buds Growth Point Transformation, the method comprise steps: selecting a complete pineapple seedling plant growing in the prime of life, peeling all leaves of pineapple seedlings one by one in the sterile operating platform; cutting the new pineapple seedlings until the growth point is exposed, and then cutting lightly at the growth point, put it into 1ml of infection bacteria solution to soak for 20min; Wash the soaked pineapple seedlings with sterile water for 2-3 times, and put them in an empty dish with filter paper to dry; putting the new pineapple seedlings into the regeneration medium for culture, and cultivate them under light, small round white protrusions will grow at the original growth points 14 days later, which are new clustered buds; the original growth point will grow callus in the regeneration medium 19 days later; the callus will grow new pineapple seedlings in the regeneration medium 70 days later.



21: 2022/13253. 22: 2022/12/07. 43: 2023/01/09  
 51: A61K  
 71: EJIN HORO QI WENBING AGRICULTURAL MACHINERY SERVICE ENTERPRISE  
 72: LIU, Heping, WANG, Yongrong, LIU, Yaoxian, ZI, Zhanfei, WANG, Zeping, ZHANG, Chongzhi, SUN, Haizhou, WANG, Dongbing, LIANG, Haixia, HAN, Wenbing, LIU, Haifeng, WANG, Peng, LIU, Peng, FENG, Haoda, AOTEGENG, Dalai, LIU, Heyu

**54: A CATTLE AND SHEEP APHRODISIAC PREGNANCY-PROMOTING PREPARATION**

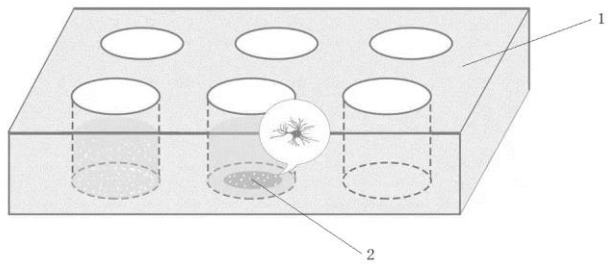
00: -  
 The present invention relates to the field of animal husbandry preparations, in particular to a cattle and sheep aphrodisiac pregnancy-promoting preparation, which is prepared by the following raw material components: 90g of Epimedium herb; 60g of Semen Cuscutae; 80g of rhizoma cyperi parched by vinegar; 80g of herba leonuri; 100g of Angelica sinensis; 50g of Fructus psoraleae; 50g of boschniakia rossica; 40g of radix rehmanniae preparata; 20g of lycium barbarum; 20g of radix glycyrrhizae. The present invention adopts a pure Chinese medicinal formula with no toxic or side effects and can realize cattle and sheep estrus on the farm at the same period. And it changes the existing breeding methods, fully utilizes animal seed resources to maximize the resource utilization and has good social benefits.

21: 2022/13298. 22: 2022/12/08. 43: 2023/01/09  
 51: A61K  
 71: FU, Xiaoli, LIU, Yanjie, ZHOU, Xiao  
 72: FU, Xiaoli, LIU, Yanjie, ZHOU, Xiao

**54: AN IMPROVED ASTROCYTE CULTURE METHOD**

00: -  
 The present invention discloses an improved astrocyte culture method, relates to the technical field of cell culture, and solved the problems of a high number of samples consumed during primary extraction because of slow growth of astrocytes,

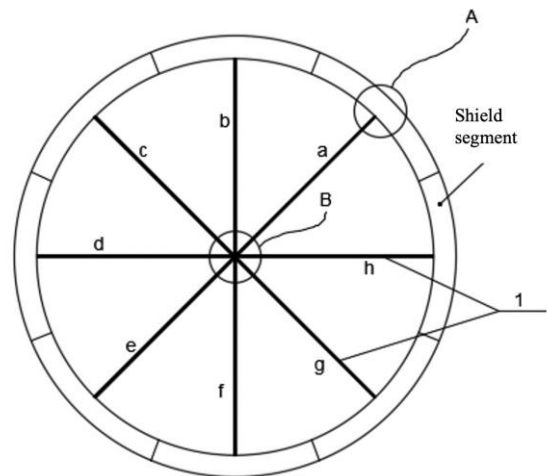
high manpower and material resource consumption and high cost, comprising the following steps: Coating a cell culture plate with L-polylysine overnight, and placing a slide in each well before coating the cell culture plate; Planting an astrocyte suspension in the cell culture plate, and then placing the cell culture plate in an incubator for culture; And after culturing for 3-6 days, taking out the slide, putting the slide into a new cell culture plate, then adding a glial cell culture medium, and simultaneously putting the cell culture plate with the slide taken out and the new cell culture plate with the slide into the incubator for continuous culture. According to the present invention, the number of the obtained cells is twice that of the previous cells, so that the time required for culturing the cells is greatly shortened, the cost required for culturing nerve cells is reduced, and the cost is reduced.



21: 2022/13468. 22: 2022/12/13. 43: 2023/01/09  
51: E21D  
71: YICHUN COLLEGE, JIANGXI FENGQIANG TECHNOLOGY DEVELOPMENT CO., LTD.  
72: LIN, Chao, RAO, Li, TAN, Xianjun, YANG, Diansen, ZHAO, Baofeng, AN, Bin, SHI, Chenghua, CHEN, Jiehua, WU, Guojun, LIU, Xiang-e, XIAO, Hongxu, ZHANG, Haiping  
33: CN 31: 202211453534.0 32: 2022-11-21  
**54: FASTENING CONTROL STRUCTURE FOR SECONDARY GROUTING OF PROXIMITY TUNNEL SHIELD SEGMENT AND GROUTING CONSTRUCTION METHOD**  
00: -

The present invention relates to a fastening control structure for secondary grouting of a proximity tunnel shield segment, the structure including a plurality of support tubes and a connecting member, where one end of the support tube is detachably connected to the connecting member, the other end is supported on a shield segment, and the plurality of support tubes and the connecting member are arranged on

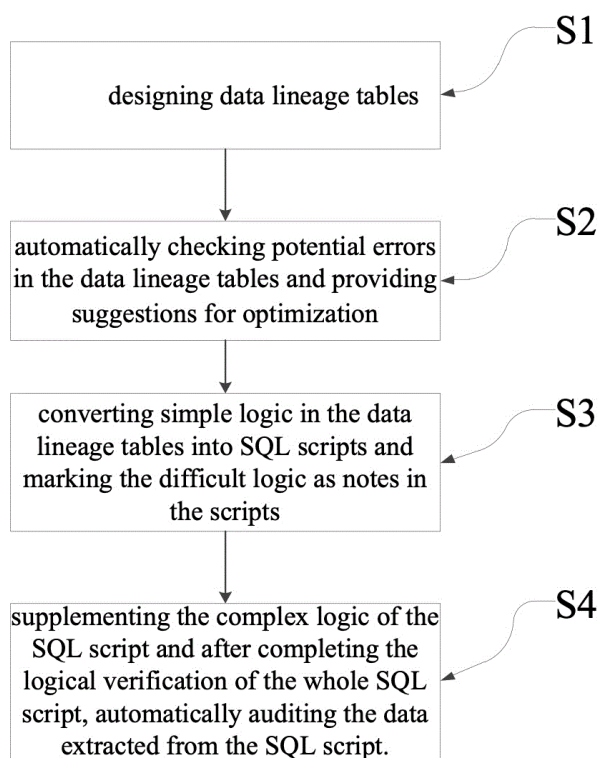
the same section to jointly support to surround and form a shield segment of a ring. An integrated fixed grouting system is composed of a support system and a grouting pipeline of the fastening control structure for secondary grouting of a proximity tunnel shield segment according to the present invention, and synchronous secondary grouting of surrounding rocks at outer sides of segments at different positions may be implemented simultaneously, such that problems of grout runout and grout leaking in a grouting and filling reinforced area caused by an outer side of the proximity shield segment due to large stratum disturbance and uneven bearing forces of the segments at different positions are avoided.



21: 2022/13533. 22: 2022/12/14. 43: 2023/01/09  
51: G06F  
71: COSCO SHIPPING TECHNOLOGY (BEIJING) CO., LTD.  
72: ZHAN, Haolin  
33: CN 31: 202211038594.6 32: 2022-08-26  
**54: METHOD FOR SEMIAUTOMATICALLY BUILDING DATABASE, COMPUTER-READABLE MEDIUM**  
00: -

A method for semi-automatically building database includes: S1, designing data lineage tables; S2, automatically checking potential errors in the data lineage tables and providing suggestions for optimization; S3, converting simple logic in the data lineage tables into SQL scripts and marking the difficult logic as notes in the scripts; S4, after supplementing the complex logic of the SQL script and completing the logical verification of the whole SQL script, automatically auditing the data extracted

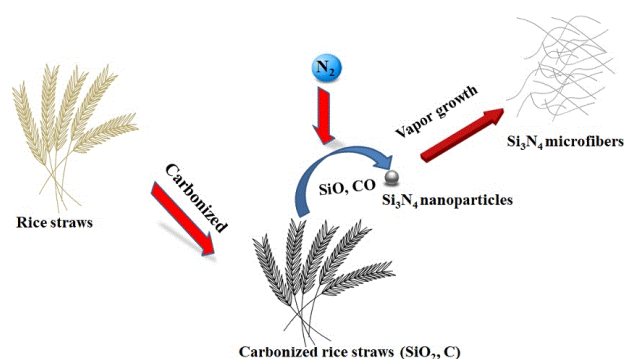
from the SQL script. The method for semi-automatically building database disclosed in this embodiment of the invention processes data lineage information, reprocesses lineage information of non-identical association condition fields based on rigorous nature of SQL syntax specification and content similarity judging techniques in natural language processing, and building the database manually with the help of algorithms based on the processed lineage information, thereby achieving the beneficial technical effects of streamlining process, standardizing code format, improving code correctness, reducing difficulty of data auditing, and improving efficiency.



21: 2022/13590. 22: 2022/12/15. 43: 2023/01/09  
 51: A61K  
 71: XINJIANG INSTITUTE OF TECHNOLOGY  
 72: LI, Shouzhu, YAO, Li, MA, Xin, ZHANG, Jiarun, MA, Xiaomei, NIE, Shengjie, WANG, Yue  
**54: A METHOD OF PREPARING SELF-SEPARATING ULTRAFINE SILICON NITRIDE FIBERS BY USING RICE STRAW**

00: -  
 The present invention relates to a preparation method of self-separation superfine silicon nitride (Si<sub>3</sub>N<sub>4</sub>) fiber, which takes agricultural waste-rice straw as raw material, and obtains superfine silicon

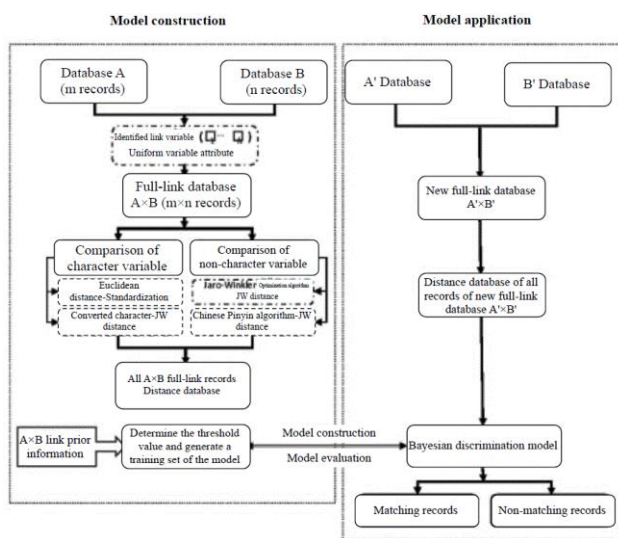
nitride fiber with α-Si<sub>3</sub>N<sub>4</sub> crystal structure by carbothermal reduction and nitridation. The diameter of the prepared silicon nitride fiber is 200-2000nm, the length can reach several centimeters, and it has the advantages of smooth surface and self-separation, which is an ideal structural and functional ceramic fiber. Self-separation is achieved through a specific collection method. In addition, the present invention can make full use of the inorganic silicon source in rice straw, which is complementary to the existing technology of preparing gas and liquid energy products using organic components of biomass energy, and is convenient for industrial promotion to realize the full use of rice straw.



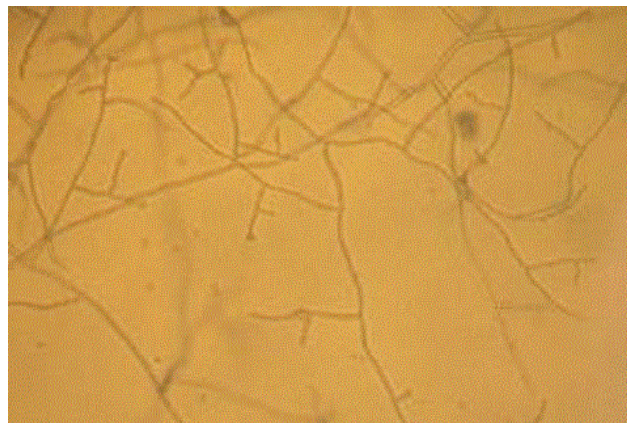
21: 2022/13665. 22: 2022/12/19. 43: 2023/01/09  
 51: G06F  
 71: SHANGHAI MUNICIPAL CENTER FOR DISEASE CONTROL AND PREVENTION  
 72: YU, Huiting, WANG, Chunfang, ZANG, Jiajie, CUI, Xin, CHEN, Guowu, LIANG, Zhou, CAI, Renzhi, QIAN, Naisi  
**54: METHOD FOR REALIZING MULTI-SOURCE DATA LINK PROCESSING BASED ON THE BAYESIAN PROBABILITY MODEL**

00: -  
 The present invention relates to a method for realizing multi-source data link processing based on the Bayesian probability model, comprising the following steps: Preprocessing data of source data, and analyzing comparable fields; Comparing the character type variable and the non-character type variable of the full-link data set; Setting a threshold value, and constructing a Bayesian prior probability model; Evaluating the model. The method for realizing multi-source data link processing based on the Bayesian probability model of the present invention is suitable for links of different sources and different types of databases, and can be used in the

fields of medicine, business management, official statistics and the like. The present invention can identify duplicate records, improve data quality, quickly and conveniently identify the duplicate records, and greatly reduce the manual checking cost; It also can improve the data integration efficiency, which will tremendously improve the data link efficiency, expand data dimension and facilitate the cross-domain researches. Therefore, the data dimension can be expanded, and great help is provided for promoting the quality and efficiency of cross-domain researches in China.



Phytophthora sojae. The culture medium of the present invention can effectively inhibit the growth of bacteria and mould, and has a good isolating effect, simple composition and low cost. Accordingly, the culture medium of the present invention can be used for large-scale isolation of Phytophthora sojae.



21: 2022/13669. 22: 2022/12/19. 43: 2023/01/09  
51: C08G

71: QINGYUAN HUAYUAN INSTITUTE OF SCIENCE AND TECHNOLOGY COLLABORATIVE INNOVATION CO., LTD.

72: MA, Xiaoyang, LI, Jiaqiang, LIANG, Weijian, GUO, Xiaoyao, WU, Yanru, HOU, Wenjun

33: CN 31: 202111680436.6 32: 2021-12-30

**54: POLYURETHANE (PU) ACCELERATOR AND PREPARATION METHOD AND USE THEREOF**  
00: -

The present disclosure discloses a polyurethane (PU) accelerator, and a preparation method and use thereof, and belongs to the field of PU catalysts. The PU accelerator of the present disclosure is prepared by mixing a dihydroxy compound and methylhexahydrophthalic anhydride (MHHPA) in a molar ratio of 1:1 and subjecting a resulting mixture to a reaction at 90°C to 120°C for 1 h to 5 h. A carboxyl group in the PU accelerator of the present disclosure can significantly accelerate a reaction of PU and improve a drying speed of a PU coating without affecting the chemical resistance of a polymer and reducing the mechanical properties such as hardness of a polymer system. In addition, the PU accelerator has a low viscosity; and when used as a part of a film-forming substance, the PU accelerator can improve a non-volatile content of a PU coating, reduce an organic solvent consumption, and reduce a volatile organic compound (VOC) emission. The acidic PU accelerator of the present

21: 2022/13667. 22: 2022/12/19. 43: 2023/01/09  
51: A01H

71: NORTHEAST AGRICULTURAL UNIVERSITY  
72: ZHANG, Shuzhen, XU, Pengfei, WU, Junjiang, LIU, Shanshan, SONG, Bo, HE, Shengfu, ZHAO, Ming, FANG, Xin, SUN, Yan

**54: A SPECIAL CULTURE MEDIUM FOR ISOLATING PHYTOPHTHORA SOJAE**

00: -

The present invention discloses a special culture medium for isolating Phytophthora sojae, which is a culture medium obtained by adding 3-Hydroxy-5-methylisoxazole and [6R[6a,7β(Z)]]-3-[[[(1,2,5,6-tetrahydro-2-Methyl-5,6-dioxo-1,2,4-triazine-3-yl)thio]methyl]-7-[[[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid disodium salt triple hemihydrate in a CA culture medium, and the final concentration of the above added substance is 0.3-0.6g/L and 0.1-0.3g/L, respectively in the culture medium for isolating



disclosure does not have a heavy metal component and a pungent odor, and can meet various strict environmental protection requirements.

21: 2022/13671. 22: 2022/12/19. 43: 2023/01/09  
51: C12Q

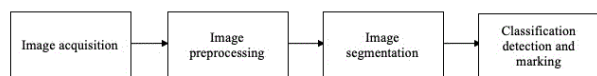
71: TIANJIN SINO-GERMAN UNIVERSITY OF APPLIED SCIENCES

72: ZHANG, Zhili, ZHAO, Xiangbin, MA, Xiaoming, GAO, Huimin, WAN, Jun, ZHANG, Zhiqiang, FAN, Qiming, LIU, Chunping, SUN, Peng, LI, Yufei, DONG, Zhehao

**54: A DEFECT DETECTION METHOD OF BLOOD LANCET BASED ON A CLASSIFICATION NETWORK**

00: -

The present invention provides a defect detection method of blood lancet based on a classification network, belongs to the technical field of defect detection. Single targeted blood lancet extraction is performed on the collected blood lancet images by the image segmentation technology and a dataset of a single blood lancet is established, which is subject to convolutional neural network model training to obtain a classification model for detecting blood lancet products and realize defect detection of blood lancets. The present invention is simple to operate, and the operator can quickly master and use the method, the labor cost is reduced, at the same time the outgoing quality of the products is improved. The defect detection technology based on a classification network can accurately detect the defect types and count the detected data.



21: 2022/13672. 22: 2022/12/19. 43: 2023/01/09  
51: A61K

71: CHINA JILIANG UNIVERSITY, XINJIANG ACADEMY OF AGRICULTURAL RECLAMATION SCIENCES

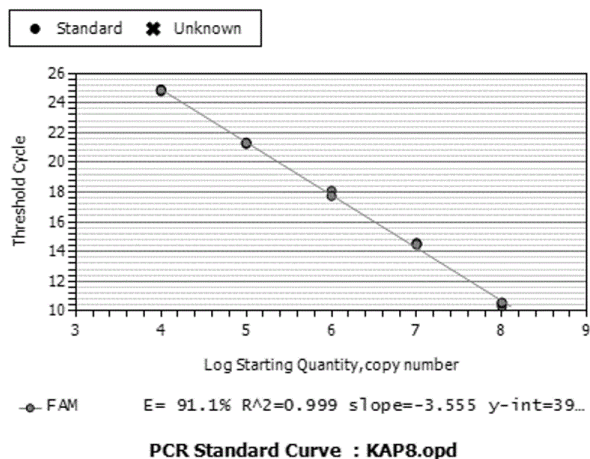
72: GUAN, Feng, WAN, Pengcheng, SHI, Guoqing, HU, Xinyu, LIU, Yucheng, DAI, Rong, YAO, Yian, YANG, Yang

**54: A MOLECULAR MARKER AND APPLICATION METHOD FOR ASSISTED BREEDING OF FINE-WOOL SHEEP**

00: -

This invention discloses a molecular marker for the assisted breeding of fine-wool sheep and an

application method thereof. The molecular marker is STR marker, the core sequence is (CA) n repeat, and the number of repeat n is between 5 and 24. The (CA) n repeat number can be obtained by PCR amplification of genomic DNA of sheep individuals and sequencing of PCR product with the primers shown in SEQ ID NO.1 and SEQ ID NO.2. When the repeat number of (CA) n in the sequencing results is 17 or 18, the sheep is fine-wool breed, and when n is 23 or 24, sheep is non-fine-wool breed; When the number of CA repeat is discontinuous, i.e., the CA repeat is divided into two segments by two bases TA or GA, and when the number is 12+11 or 13+11, it is a hybrid breed of fine-wool sheep and non-fine-wool sheep. The technical advantage of this invention lies in that it can realize the identification of fine-wool sheep breeds and the early assisted selection of individuals, can be used as the assisted molecular marker for the breeding of fine-wool sheep hybrid breeds, and realize the efficient and accurate selection of fine-wool sheep from a large number of groups or the hybrid offspring of fine-wool sheep, so as to improve the breeding efficiency.



21: 2022/13758. 22: 2022/12/20. 43: 2023/01/09  
51: E21F

71: CHINA RAILWAY 12TH BUREAU GROUP CO., LTD., CHINA RAILWAY 12TH BUREAU GROUP 7TH CORPORATION LIMITED

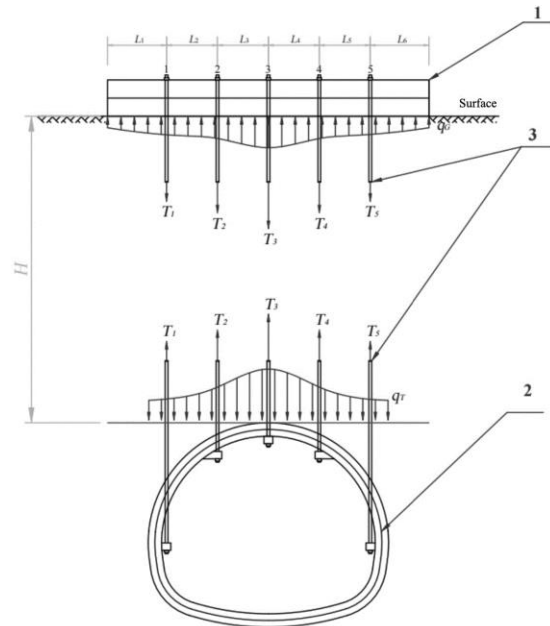
72: ZHANG, Nijin, CHEN, Zhi, SHEN, Hanming, ZENG, Xianping, LIU, Yuanjie, YANG, Zhigang, LI, Jianjun, LI, Tiansheng, HU, Jianguo, BAO, Yeming, GAO, Yanpeng

33: CN 31: 202210470461.X 32: 2022-04-28

**54: DESIGN METHOD FOR COMBINED SUBSIDENCE SUPPRESSION APPARATUS WITH**

**GROUND BEAMS AND TIE BARS FOR SHALLOW-BURIED TUNNEL, AND SYSTEM**

00: - Disclosed are a design method for a combined subsidence suppression apparatus with ground beams and tie bars for a shallow-buried tunnel and a system. The method includes: building a mechanical model of a combined subsidence suppression apparatus, and determining initial state parameters of the mechanical model; and performing calculation and determining, according to a deformation amount of an anchor point of each ground beam, a deformation amount of each ground tie bar, and a deformation amount of an anchor point of each arch frame in the mechanical model, whether there is deformation compatibility among each ground tie bar, the anchor point of the ground beam connected to the ground tie bar, and the anchor point of the arch frame connected to the ground tie bar, and when it is determined that there is deformation incompatibility, adjusting the state parameters of the mechanical model until there is the deformation compatibility among each ground tie bar, the anchor point of the ground beam connected to the ground tie bar, and the anchor point of the arch frame connected to the ground tie bar in the mechanical model with the state parameters adjusted. The combined subsidence suppression apparatus designed by the present disclosure not only can improve the load bearing capacity and anti-subsidence capability of a lining arch frame via a support structure including the ground beams and the ground tie bars, but also has higher stability and safety in application due to the deformation compatibility.



21: 2022/13798. 22: 2022/12/21. 43: 2023/01/12  
51: B21D; C21D

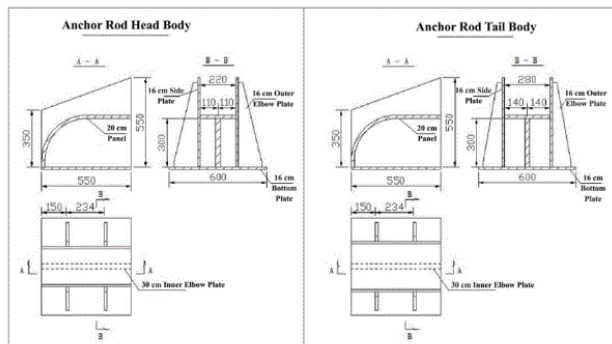
71: Zhejiang International Maritime College  
72: Huihua Xu, Zailiang Liu, Zhen Shen, Jianqiang Wu

33: CN 31: 202210234724.7 32: 2022-03-11

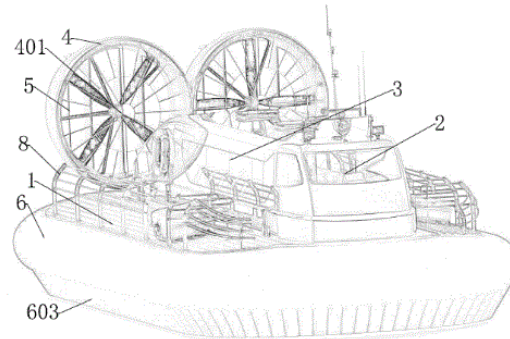
**54: SHIP ANCHOR ROD DEFORMATION CORRECTING AND REPAIRING METHOD**

00: - The invention discloses a ship anchor rod deformation correcting and repairing method, comprising the following steps: (1) unloading the anchor; (2) removing the anchor rod from the anchor, and feeding the anchor rod into a heating hopper; (3) heating the heating hopper; (4) hoisting the anchor rod out of the heating hopper, wrapping the entire anchor rod with asbestos cloth for heat preservation, and hoisting and fixing the anchor rod on the anchor rod tooling; (5) slowly pressing down the hydraulic press to straighten it, and then turning the anchor rod to apply pressure again slowly; (6) observing the material changes of the correction area by naked eyes after correction; (7) feeding the corrected anchor rod into the heating hopper again for heating; (8) hoisting out the asbestos cloth covered on the anchor rod to cool it slowly to 50C ; (9) cooling to normal temperature in the air; (10) conducting flaw detection on the circular curved surface of the anchor rod, measuring the anchor rod after deformation correcting again, and recording the state data of the anchor rod. The ship can be re-

operated in a very short time with a very low economic cost and a quick deformation correcting construction process.



achieve the effect of energy saving, emission reduction and green environmental protection.

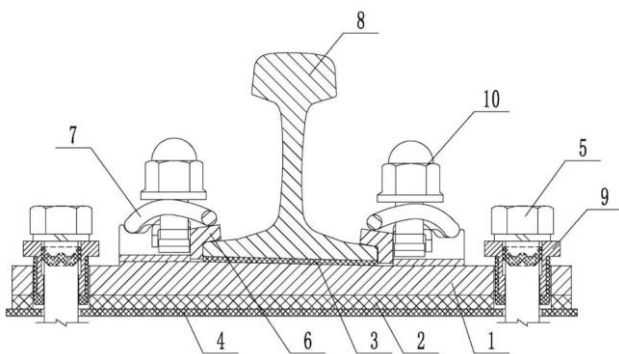


21: 2022/13799. 22: 2022/12/21. 43: 2023/01/12  
 51: B63B  
 71: Zhejiang International Maritime College  
 72: Mingwei Xu, Feijun Guo, Xuefeng Wang, Zailiang Liu, Minghai Dong, Yongsheng Guo, Meng Liu, Jun Pang, Tianming Yan, Sheng Ye  
 33: CN 31: 202211390777.4 32: 2022-11-07  
**54: A KIND OF HIGH-SPEED PASSENGER ELECTRIC HOVERCRAFT**

00: -  
 The invention relates to the technical field of hovercraft, in particular to a kind of high-speed passenger electric hovercraft, comprising a hull provided with a pilot room, a viewing room and two power fans and located fore and aft, and the power fans are provided with a rudder on the rear side; the hull is provided with an air cushion at the bottom; the air cushion comprises a flexible skirt airbag located at the bottom of the hull with the surrounding design around the hull; the flexible skirt airbag is provided with a number of air-outlet holes at the bottom, and the flexible skirt airbag is provided in connection with an air-charging device, and the air-charging device is located in the hull; the flexible skirt airbag is provided with a flexible skirtboard around the flexible skirt airbag and provided on the outside of the flexible skirt airbag, and the flexible skirtboard is provided to intercept the gas blown out of the flexible skirt airbag and to maintain the gas between the hull and the water surface and to lift the hull. The invention with reasonable structure and good stability, adopts new carbon fiber polymer material to produce hull framing structure to reduce operating loss, and adopts electric device to realize the operation of power fans and air-charging device, to

21: 2022/13849. 22: 2022/12/21. 43: 2023/01/09  
 51: E01B  
 71: CHINA RAILWAY BAOJI BRIDGE GROUP CO., LTD  
 72: WANG, Ali, LI, Wenbo, YUAN, Baojun, ZHANG, Haihua, CHAI, Wenbo  
 33: CN 31: 202010488902.X 32: 2020-06-02  
**54: BALLASTLESS TURNOUT FASTENER SYSTEM**

00: -  
 The present disclosure relates to a ballastless turnout fastener system, including a railroad tie plate, which is of a flat plate structure and provided with an iron seat on an upper surface; an elastic cushion under tie plate, which is of a flat plate structure and located below the railroad tie plate; a sub-rail elastic cushion, located between the upper surface of the railroad tie plate and a steel rail; a raising tie plate, which is of a flat plate structure and located below the elastic cushion under tie plate; switch sleeper bolts, fixed with a switch sleeper after passing through through holes in two ends of the railroad tie plate, the elastic cushion under tie plate and the raising tie plate in sequence, the stiffness of the sub-rail elastic cushion being greater than the stiffness of the elastic cushion under tie plate; a gauge block, arranged between the iron seat and a rail limb of the steel rail; and a clip, fixed on the iron seat and buckled on the gauge block. The fastener system meets the requirement for low stiffness of a switch area, and can ensure safe and reliable operation of a line, and the manufacturing cost and later maintenance cost of the fastener system are also reduced.



21: 2023/00109. 22: 2023/01/03. 43: 2023/01/09  
 51: E04B  
 71: JIWEI ZHUGONG (HEBEI) BUILDING MATERIALS TECHNOLOGY CO., LTD  
 72: Shaohua GU, Shilin SUN, Shaoqing GUO, Hao LI, Shihao SUN, Liheng SUN  
**54: A GREEN, ENERGY-SAVING, LOW-CARBON AND ENVIRONMENT-FRIENDLY T SERIES INNOVATIVE INTEGRATED FORMWORK FOR WALL INSULATION STRUCTURE AND A PREPARATION METHOD THEREOF**

00: -  
 The present invention relates to a green, energy-saving, low-carbon and environment-friendly T series innovative integrated formwork for wall insulation structure, which comprises a T series non-combustible insulation board, a T series innovative and multifunctional viscous drag adhesive cement and enhanced alkali-resisting fiberglass mesh cloth. The present invention also discloses a preparation method of the integrated formwork, comprising the steps of coating a layer of T series innovative and multifunctional viscous drag adhesive cement on the upper and lower surfaces of the T series non-combustible insulation board and coating a layer of enhanced alkali-resisting fiberglass mesh cloth on the surfaces of the two layers of the innovative and multifunctional viscous drag adhesive cement. According to the present invention, a plurality of major technical safety problems that high-efficiency energy-saving insulation and class A fire prevention cannot be achieved at the same time, high-efficiency energy-saving insulation and high-efficiency water prevention and water resistance cannot be achieved at the same time, and high-efficiency energy-saving insulation and never falling cannot be achieved at the same time in an existing insulation structure integrated building system are solved.

Embodiment 1		
Component	T series novel water-based special glue	Polystyrene foam particles
Mass percentage	91%	9%

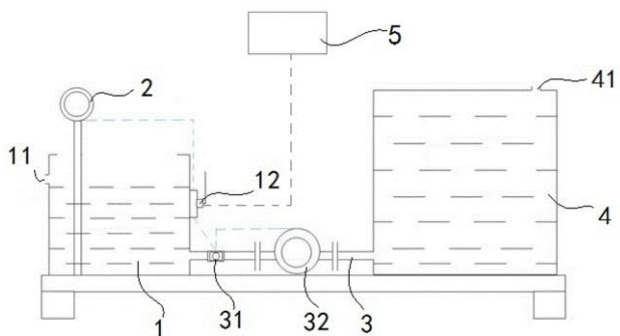
21: 2023/00111. 22: 2023/01/03. 43: 2023/01/09  
 51: C05G  
 71: XIONG, Wanguo  
 72: XIONG, Wanguo  
**54: A FERTILIZER OBTAINED BY FERMENTATION OF ORGANIC MATTERS AND A PREPARATION METHOD THEREOF**

00: -  
 The present invention discloses a method for preparing a fertilizer obtained by fermenting organic matters, comprising the following steps: Mixing rice grains, wheat bran and pleurotus geesteranus mushroom residue by a mass ratio 1: 1: 20, steaming for 25-40min under 100-110°C, adding an acidifying microbial inoculum stock seed and a nutrient solution to obtain a fermentation initiator; wherein, the additive amounts of the acidifying microbial inoculum stock seed and the nutrient solution are respectively one thousandth and one tenth of the mass of the wheat bran; steaming the auxiliary materials for 120-140min under 100-110°C, adding urea with a concentration of 2wt% to mix with the fermentation initiator with a concentration of 1wt%, obtaining a to-be-fermented material, placing the to-be-fermented material in an environment between aerobic and anaerobic to be subject to standing fermentation for 2-4 days, obtaining the fertilizer obtained through fermentation of organic matters; wherein, the additive amounts of the 2wt% urea and the 1wt% fermentation initiator are one ten-thousandth of the mass of the auxiliary materials. The temperature rise in the fermentation process is fast, and the temperature is between 85°C and 90°C, so that the fermentation process is smoothly and stably carried out; The fertilizer maturation time is short and reduced by about a half, and the treatment rate of roundworm, E. coli and grass seed reaches 100%.

21: 2023/00112. 22: 2023/01/03. 43: 2023/01/09  
 51: A01B  
 71: WEIFANG UNIVERSITY  
 72: JI, Hongliang, CAO, Hui, JI, Chao, XU, Ruirui, LIU, Caiyun, YANG, Yuejuan  
**54: PROTECTION DEVICE FOR TREES IN SALINE-ALKALI LAND**

00: -

The present utility model relates to the technical field of protection for nursery stock in saline-alkaline land, and provides a protection device for trees in saline-alkali land. The protection device includes a support frame and a plastic film. The support frame includes at least three hoops, a hoop ribbon that is adjusted and fixed by a ribbon locking device is connected between two adjacent hoops, an articulated portion of a hoop articulated lug on each hoop is hinged with a support rod, each support rod includes an internal support rod and an external support rod that are sleeved, an upper end of each external support rod is provided with a directional locking device, the lower end of each external support rod is hinged with a support rod base, each support rod base is provided with a water injection pipe in a penetrating way, an output end of each water injection pipe is communicated with a seepage ventilation pipe network, the outer side of each base platform is sleeved with a plastic film tightening clamp, and the outer side of a tree base is sleeved with a plastic film band. According to the protection device for trees in saline-alkali land, the support height and encircling diameter thereof can be automatically adjusted with the growth of the tree, which effectively supports and protects the tree, can meet the breathing needs of roots, facilitates watering, fertilization and medicine application to the tree, and can also effectively protect the plastic film.



21: 2023/00113. 22: 2023/01/03. 43: 2023/01/09  
51: G01R

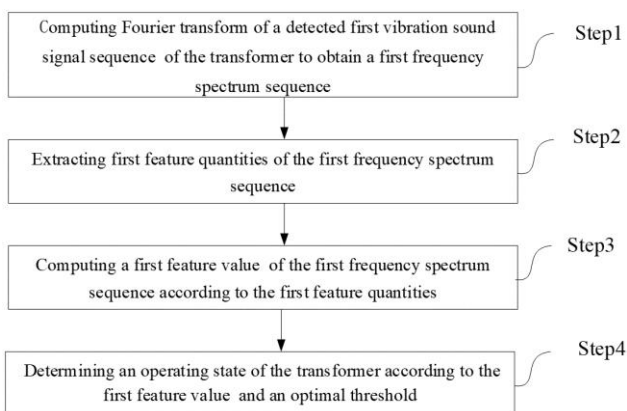
71: GUANGDONG UNIVERSITY OF PETROCHEMICAL TECHNOLOGY

72: ZHAI, Mingyue

**54: METHOD AND DEVICE FOR DETECTING ABNORMAL-STATE VIBRATION SOUND OF TRANSFORMER**

00: -

Embodiments of the invention disclose a method and device for detecting abnormal-state vibration sound of a transformer. The method includes: step 1, computing Fourier transform of a detected first vibration sound signal sequence of the transformer to obtain a first frequency spectrum sequence; step 2, extracting first feature quantities of the first frequency spectrum sequence; step 3, computing a first feature value of the first frequency spectrum sequence according to the first feature quantities; and step 4, determining an operating state of the transformer according to the first feature value and an optimal threshold.



21: 2023/00114. 22: 2023/01/03. 43: 2023/01/09  
51: A61K

71: WANG, Taihu, GUO, Yongfeng

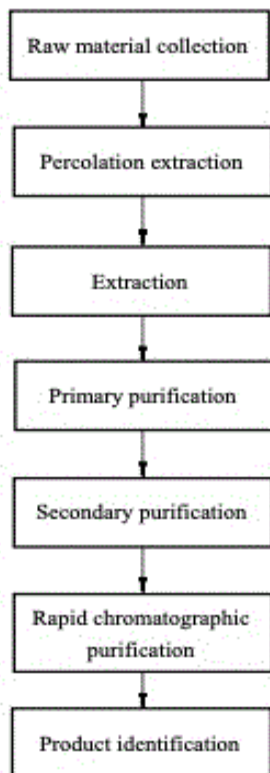
72: WANG, Taihu, GUO, Yongfeng

**54: A PROCESS FOR EXTRACTING RESVERATROL FROM ROSELLE LEAVES**

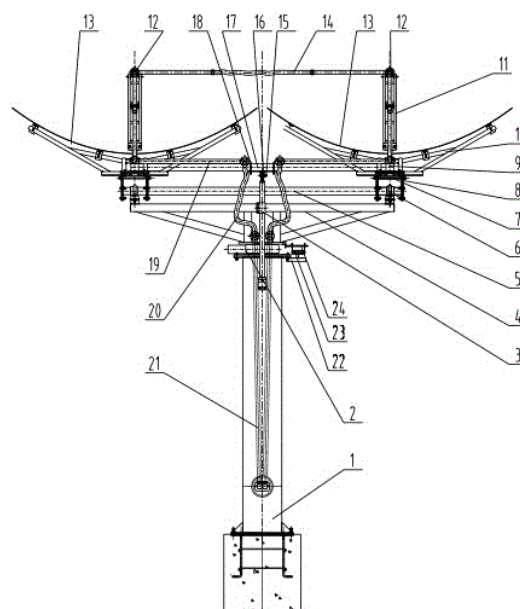
00: -

The present invention discloses a process for extracting resveratrol from roselle leaves, comprising the following steps: S1. Raw material collection: Selecting roselle leaves which naturally fall off in a roselle production process and are manually knocked off during a planting period, cleaning the collected roselle leaves, airing, and storing in a dark place; S2. Raw material pretreatment: Taking the roselle leaves, performing mechanical crushing, adding 20-22 times of ethanol, performing extraction for 3 days, taking out the crushed roselle leaves, performing filtration, performing rotary evaporation concentration to obtain an extract, performing freeze drying, performing extraction with ethyl acetate for 3 times, performing rotary evaporation concentration

again, performing freeze drying, and performing weighing and obtaining an ethyl acetate extract of resveratrol leaves. According to the present invention, the resveratrol is extracted from the roselle for the first time by adopting the processes of ethanol extraction, multi-step chromatographic purification and the like, the extraction is efficient, and the obtained product is high in yield, green, environment-friendly and easy to recover.



unit for driving the heat collecting reflector unit arranged in parallel to rotate around the sun during the day, so that the sunlight is incident on the reflector surface; An elevating angle driving unit for adjusting the height of the azimuth driving unit to rotate around the sun during the day, so that the sunlight is incident on the reflector surface; A supporting unit for supporting the heat collecting reflector unit arranged in parallel for mounting the elevating angle driving unit and the azimuth driving unit; The azimuth driving unit and the elevating angle driving unit drive the heat collecting reflector unit arranged in parallel to rotate around the azimuth of the sun. The present invention improves the heat collecting efficiency of the vacuum heat collecting tube.



21: 2023/00115. 22: 2023/01/03. 43: 2023/01/09  
 51: F24S  
 71: HEBEI ZHUFENG APPARATUS & METER CO., LTD.

72: WEI, Lifen, LI, Botao, YANG, Xiuli, GAO, Xianghong

**54: AN ALL-DIMENSIONAL TRACKING PARABOLIC MIRROR HEAT ENERGY ABSORPTION SYSTEM**

00: -  
 The present invention relates to an all-dimensional tracking parabolic mirror heat energy absorption system, which is characterized by comprising at least: a heat collecting reflector unit arranged in parallel for reflecting sunlight through the reflector to the vacuum heat collecting tube; An azimuth driving

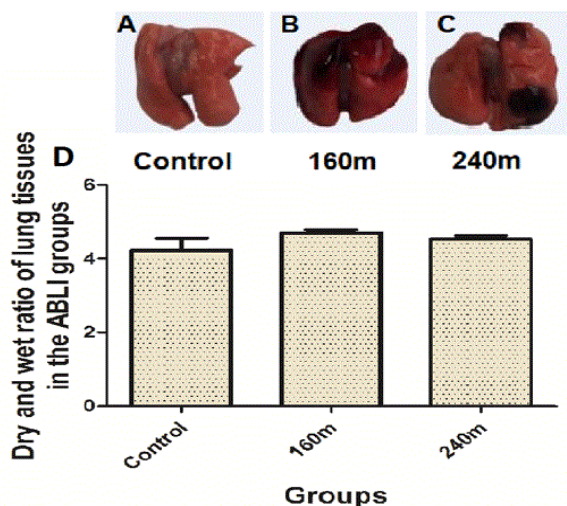
21: 2023/00117. 22: 2023/01/03. 43: 2023/01/09  
 51: A61K

71: XINXIANG MEDICAL UNIVERSITY  
 72: DONG, Xinwen, REN, Wenjie, YAO, Sanqiao, WU, Weidong, WANG, Tianyun, CAO, Jia, YAO, Wu, LI, Haibin, LI, Juan, TIAN, Linqiang

**54: A GAS EXPLOSION LUNG INJURY DIAGNOSIS SYSTEM, A SERUM MARKER SCREENING METHOD, AND A LUNG INJURY MECHANISM RESEARCH METHOD**

00: -  
 The present invention relates to the technical field of medical diagnosis mathematical modeling, in particular to a gas explosion lung injury diagnosis

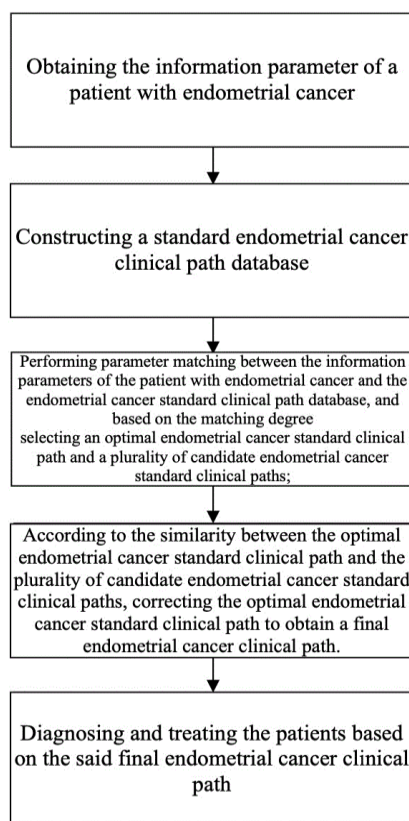
system, a serum marker screening method, and a lung injury mechanism research method. According to the present invention, a serum metabolomics analysis model is constructed based on LC-MS to obtain a PLS-DA model; and 9 specific biomarkers with the effect of causing gas explosion lung injury are obtained by screening through a metabolomic research method, so that the diagnosis and treatment efficiency of coal mine full-gas explosion injured people is effectively improved, which has important clinical value and social significance.



21: 2023/00118. 22: 2023/01/03. 43: 2023/01/09  
 51: A61P  
 71: QIQIHAR MEDICAL UNIVERSITY  
 72: ZHANG, Yingyan, CAO, Lin, TANG, Meiling, LI, Qiang, ZHANG, Weixin  
 33: CN 31: 202211481782.6 32: 2022-11-24  
**54: AN ENDOMETRIAL CANCER NURSING METHOD BASED ON THE CLINICAL PATH AND A SYSTEM**  
 00: -

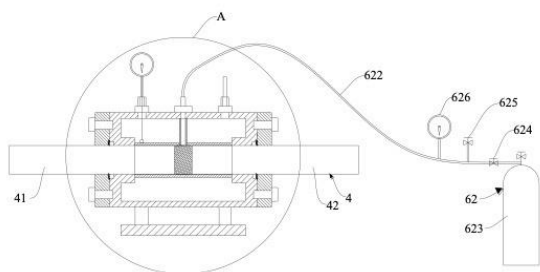
The present invention discloses an endometrial cancer nursing method based on clinical path and a system, relates to the technical field of medical informatization, which comprising the steps of first obtaining the information parameter of a patient with endometrial cancer; Constructing a standard endometrial cancer clinical path database; Performing parameter matching between the information parameters of the patient with endometrial cancer and the standard endometrial cancer clinical path database, selecting an optimal endometrial cancer standard clinical path and a

plurality of candidate endometrial cancer standard clinical paths; According to the similarity between the optimal endometrial cancer standard clinical path and the plurality of candidate endometrial cancer standard clinical paths, correcting the optimal endometrial cancer standard clinical path to obtain a final endometrial cancer clinical path for diagnosing and treating the patients. The present invention can rapidly, scientifically and accurately adapt to the clinical path of the target patients with endometrial cancer, facilitate the management for hospitals, while improving the diagnosis efficiency and medical resource utilization rate.



21: 2023/00160. 22: 2023/01/03. 43: 2023/01/16  
 51: A61K  
 71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY  
 72: Sheng XUE, Xin GAO, Weiyu LI, Yidan HAN, Guangcheng LIU  
 33: CN 31: 202211525000.4 32: 2022-11-30  
**54: GAS PRESSURE MAINTAINING SPLIT HOPKINSON PRESSURE BAR CONFINING PRESSURE DEVICE AND USAGE METHOD THEREFOR**

00: -  
 Disclosed herein is a gas pressure maintaining split Hopkinson pressure bar confining pressure device, including a metal housing, wherein a cavity is formed in the metal housing, and penetrating through holes are formed in two sides respectively; a rubber sleeve arranged in the metal housing and used to accommodate a coal briquette sample to be tested; and a Hopkinson pressure bar including an incidence bar and a transmission bar which penetrate through the through holes on the two sides and the rubber sleeve respectively to abut against two sides of a coal briquette to be tested. In the present invention, a confining pressure assembly is arranged, hydraulic oil is injected into the cavity and can act on the rubber sleeve to form a confining pressure effect on the sample, oil pressure and gas pressure can be separated by means of an arranged metal tube, injected gas enters the rubber sleeve and can be gradually adsorbed by the coal briquette sample, and the stable pressure maintaining effect can be achieved, so that a test can be facilitated.



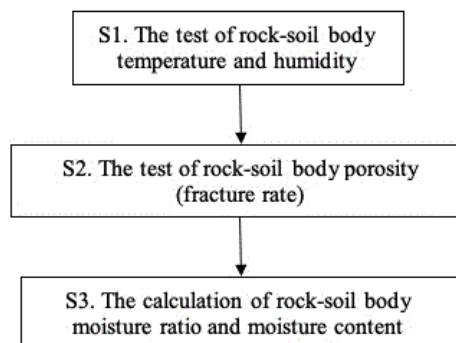
21: 2023/00172. 22: 2023/01/03. 43: 2023/01/09  
 51: A61K; C07K; C12N; A61P  
 71: BEIJING KAWIN TECHNOLOGY SHARE-HOLDING CO., LTD.  
 72: XU, Zheng, CHANG, Hongyan, LI, Xiang, SONG, Rui, LIU, Ying, LI, Feng  
 33: CN 31: 202010659026.2 32: 2020-07-09  
 33: CN 31: 202010659828.3 32: 2020-07-10  
**54: ANTIBODY BINDING TO HEPATITIS B VIRUS SURFACE ANTIGEN AND APPLICATION OF ANTIBODY**

00: -  
 Provided are an antibody or antigen-binding fragment thereof that specifically binds to hepatitis B virus surface antigen (HBsAg), a pharmaceutical composition containing the antibody or antigen-binding fragment, and use thereof. Further provided

are a nucleic acid molecule encoding the antibody, a vector and a host cell containing the nucleic acid molecule, and a method for preparing the antibody.

21: 2023/00200. 22: 2023/01/04. 43: 2023/01/09  
 51: C04B  
 71: CHINA UNIVERSITY OF GEOSCIENCES (WUHAN)  
 72: ZHOU, Jianwei, SU, Danhui, FENG, Haibo, WANG, Xingjie, ZHENG, Xiaoming, HOU, Qingqiu, HAN, Xu, LI, Ran  
**54: A METHOD FOR TESTING MOISTURE RATIO AND MOISTURE CONTENT OF A ROCK-SOIL BODY BASED ON THERMODYNAMIC EQUILIBRIUM**

00: -  
 The present invention provides a method for testing moisture ratio and moisture content of a rock-soil body based on thermodynamic equilibrium, mainly comprising the following steps: (1) The test of rock-soil body temperature and humidity; (2) The test of rock-soil body porosity (fracture rate); (3) The calculation of rock-soil body moisture ratio and moisture content. The method provided by the present invention can test and calculate the moisture ratio and moisture content of a rock-soil body by virtue of the properties of liquid water and gaseous water under thermodynamic equilibrium. The method has the advantages of simple operation, accurate test results and integration of soil and rock test methods. It can be widely used in the testing of moisture ratio and moisture content in various rock-soil bodies, and has important significance in accurately predicting the moisture ratio and moisture content in agricultural planting, mine greening and land reclamation.

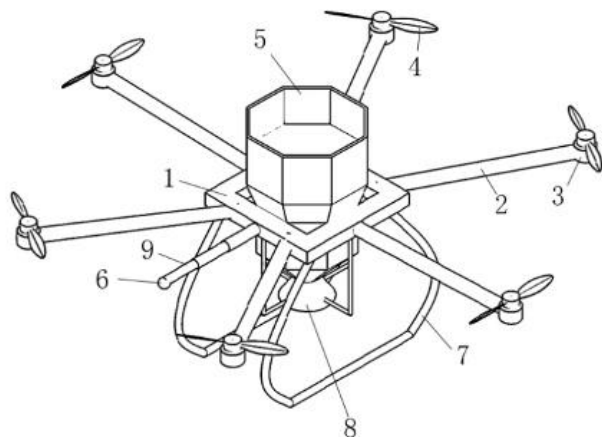


21: 2023/00312. 22: 2023/01/06. 43: 2023/01/13



51: G06K  
 71: ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY  
 72: LI, Xinwei, SU, Xiangxiang, LIU, Jikai, QUAN, Ling, ZHU, Yongji, NIAN, Ying, YUE, Hu, LI, Jun, ZHU, Xueqing  
 33: CN 31: 202211246356.4 32: 2022-10-12  
**54: A SIX-ROTOR MULTISPECTRAL UNMANNED AERIAL VEHICLE VARIABLE TOPDRESSING DEVICE AND A USE METHOD THEREOF**

00: -  
 The present invention discloses a six-rotor multispectral unmanned aerial vehicle variable topdressing device and a use method thereof, relates to the technical field of unmanned aerial vehicles (UVA). A UVA and a topdressing tank; The UVA is provided with a multispectral sensor; The topdressing tank is fixedly connected with the UVA, and the multispectral sensor is fixedly connected with the UVA; The port of the multispectral sensor is electrically connected with the UVA. On the basis of monitoring crop growth vigor and diagnosing the nutrient conditions in real time with the sensing data of a UVA, the variable topdressing device is guided and controlled to realize online variable topdressing in real time; The manpower input in the topdressing process is reduced and the fertilization efficiency is improved; The intelligent, real-time and precise fertilization is realized based on the demand of fertilizers.

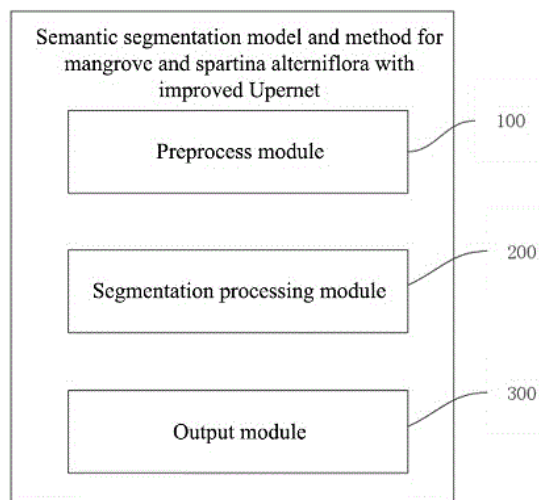


21: 2023/00419. 22: 2023/01/10. 43: 2023/01/13  
 51: G06T  
 71: SHANGHAI OCEAN UNIVERSITY, SHANGHAI LAN GUIQI TECHNOLOGY DEVELOPMENT CO., LTD

72: WANG, Zhenhua, TAN, Zhilian, CHEN, Ming, GONG, Chen, LIANG, Lei, LI, Jing, ZHEN, Zongsheng

**54: SEMANTIC SEGMENTATION MODEL AND METHOD FOR MANGROVE AND SPARTINA ALTERNIFLORA WITH IMPROVED UPERNET**

00: -  
 The present invention relates to a technical field of image processing, in particular to a semantic segmentation model and method for mangrove and spartina alterniflora with improved Upernet. The model comprises a preprocess module, a segmentation processing module and an output module; the preprocess module is used for acquiring remote sensing images and preprocessing the remote sensing images; the segmentation processing module is used for combined calculation with different wavebands for the preprocessed remote sensing images, to obtain NDVI, FDI and DVI index result datas, and to segment the index result data, the segmentation processing module has a Swing-transformer backbone network, a loss function of the segmentation processing module is composed of a cross entropy loss function and a lovasz softmax loss function; the output module is used for outputting processed result images; the present invention enhances difference between the mangrove and other vegetation; improves detection accuracy of the model for the mangrove and the spartina alterniflora; simplifies network model, which reduces the number of calculation iterations, and improves detection efficiency.

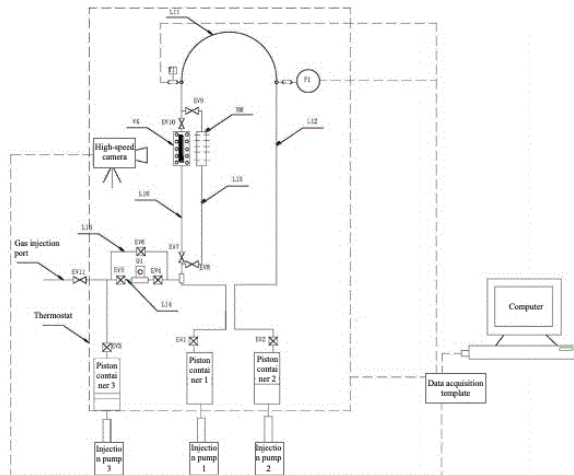


21: 2023/00482. 22: 2023/01/11. 43: 2023/01/13  
 51: C09D  
 71: CHINA UNIVERSITY OF PETROLEUM-BEIJING  
 AT KARAMAY, XINJIANG UYGUR AUTONOMOUS  
 REGION SPECIAL EQUIPMENT INSPECTION AND  
 RESEARCH INSTITUTE

72: YANG, Yuqi, GUO, Jixiang, CHEN, Siyu,  
 ZHANG, Haipeng, XU, Ming, MIAO, Rui, SONG,  
 Wei, LIU, Jian, YANG, Zuguo

**54: A FLOW FORM OBSERVING DEVICE FOR  
 HIGH-TEMPERATURE AND HIGH-PRESSURE  
 VERTICAL PIPE FLOW AND A METHOD**

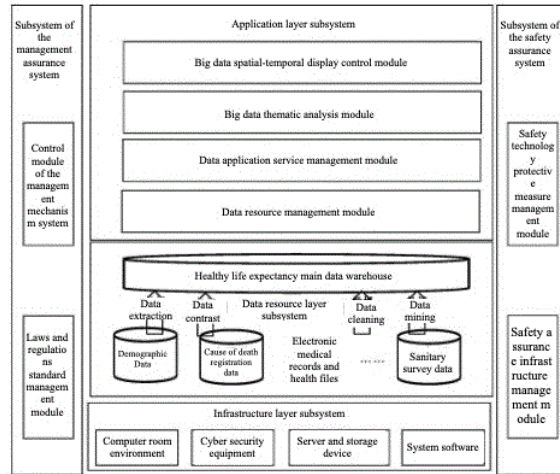
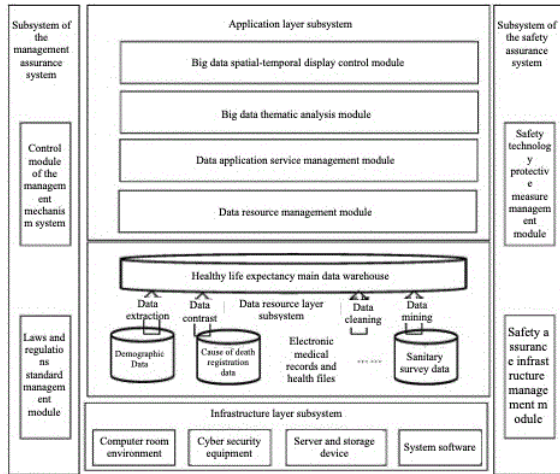
00: -  
 The present application provides a flow form  
 observing device for high-temperature and high-  
 pressure vertical pipe flow and a method. The device  
 comprises: a fluid driving mechanism, comprising a  
 first injection pump, a second injection pump, a  
 vertical pipeline, a first piston container, a second  
 piston container, a third piston container, a third  
 injection pump and a gas injection port. The vertical  
 pipeline is provided with a vertical ascending section  
 and a vertical descending section; the first piston  
 container, the second piston container and the third  
 piston container are respectively connected with the  
 inlet of the vertical ascending section, the outlet of  
 the vertical descending section and the gas injection  
 port; the gas injection port converges with the outlet  
 of the third piston container and is connected with  
 the inlet of the vertical ascending section; A visible  
 mechanism arranged on the vertical ascending  
 section; the fluid driving mechanism forms a phase  
 interface in the visible mechanism to facilitate the  
 observation of fluid flow; A phase distribution  
 measuring mechanism, comprising a measuring  
 pipeline connected with the vertical ascending  
 section in parallel and a plurality of resistivity  
 measuring devices arranged on the measuring  
 pipeline; And a data acquisition mechanism and a  
 temperature control mechanism. The present  
 application can be used to study the flow law of a  
 multiphase mixture in a vertical shaft.



21: 2023/00529. 22: 2023/01/12. 43: 2023/01/16  
 51: G06Q  
 71: SHANGHAI MUNICIPAL CENTER FOR  
 DISEASE CONTROL AND PREVENTION  
 72: FU, Chen, XIA, Tian, WANG, Chunfang, YU,  
 Huiting, XIA, Han, CUI, Xin, CAI, Renzhi, FANG, Bo,  
 CHEN, Lei

**54: A SUPPORT INFORMATION SYSTEM FOR  
 HEALTHY LIFE EXPECTANCY APPLICATION  
 BASED ON HEALTH CARE BIG DATA AND A  
 METHOD**

00: -  
 The present invention relates to a support  
 information system for healthy life expectancy  
 application based on health care big data and a  
 method, comprising an infrastructure layer  
 subsystem for installing hardware and software  
 equipment required for the system; A data resource  
 layer subsystem connected with said infrastructure  
 layer subsystem and used for collecting and storing  
 data and constructing a healthy life expectancy main  
 body data warehouse; An application layer  
 subsystem connected with both the said  
 infrastructure layer subsystem and the data resource  
 layer subsystem and used for calculating, analyzing  
 and displaying the data. With the above structure  
 adopted, a unified and standardized automatic  
 measurement and intelligent analysis system can be  
 provided for the measurement of healthy life  
 expectancy in Shanghai, so that medical and health  
 information resources related to healthy life  
 expectancies can be effectively grasped and  
 managed, and a foundation can be laid for the  
 thorough utilization of medical and health information  
 resources.



21: 2023/00529. 22: 2023/01/12. 43: 2023/01/16  
 51: G06Q  
 71: SHANGHAI MUNICIPAL CENTER FOR DISEASE CONTROL AND PREVENTION  
 72: FU, Chen, XIA, Tian, WANG, Chunfang, YU, Huiting, XIA, Han, CUI, Xin, CAI, Renzhi, FANG, Bo, CHEN, Lei  
**54: A SUPPORT INFORMATION SYSTEM FOR HEALTHY LIFE EXPECTANCY APPLICATION BASED ON HEALTH CARE BIG DATA AND A METHOD**

00: -  
 The present invention relates to a support information system for healthy life expectancy application based on health care big data and a method, comprising an infrastructure layer subsystem for installing hardware and software equipment required for the system; A data resource layer subsystem connected with said infrastructure layer subsystem and used for collecting and storing data and constructing a healthy life expectancy main body data warehouse; An application layer subsystem connected with both the said infrastructure layer subsystem and the data resource layer subsystem and used for calculating, analyzing and displaying the data. With the above structure adopted, a unified and standardized automatic measurement and intelligent analysis system can be provided for the measurement of healthy life expectancy in Shanghai, so that medical and health information resources related to healthy life expectancies can be effectively grasped and managed, and a foundation can be laid for the thorough utilization of medical and health information resources.

**HYPOTHECATIONS**

No records available

**JUDGMENTS**

No records available

**OFFICE PRACTISE NOTICES**



**PRACTICE NOTICE NO.01 of 2023: PATENTS AND DESIGNS STAKEHOLDERS**

**PROOF OF THE TITLE OR AUTHORITY OF THE APPLICANT TO APPLY FOR A PATENT AND PROOF OF THE APPLICANT'S RIGHT TO CLAIM PRIORITY.**

1. This Practice Notice supersedes the Practice Notice published in the Patent Journal in April 2009.
2. For the national phase of an international PCT application:
  - (a) proof of assignment or transfer of rights where the applicant is not the inventor and has acquired the right to apply from the inventor, may be satisfied if the corresponding declaration has been made in accordance with PCT Rule 4.17 (ii).
  - (b) for all other instances where the applicant is not the inventor and has acquired the right to apply from the inventor, the registrar shall require proof to his satisfaction of the applicant's title or authority to apply for a patent.
3. For the national phase of an international PCT application:
  - (a) proof by the applicant concerning his right to claim priority of an earlier application, if he was not himself an applicant of that earlier application, may be satisfied if the corresponding declaration has been made in accordance with PCT Rule 4.17 (iii).
  - (b) for all other instances where the applicant claims priority of an earlier application of which he was not himself an applicant of that earlier application, the registrar shall require proof to his satisfaction of the applicant's right to claim priority.
4. Where in terms of PCT Rule 92bis.1, the International Bureau, on the request of the applicant, recorded a change in the person or name of the applicant, and issued Form PCT/IB/306, the registrar shall not require further proof of the change in person.

5. Where the applicant is not the inventor, the registrar shall accept any of the following proof of the applicant's title or authority to apply for a patent:
  - (a) an assignment document or proof of an assignment from the inventor to the applicant or a predecessor of the applicant.
  - (b) where the rights to the invention have been transferred from the inventor to the applicant by virtue of operation of law, a statement by the applicant on form P3 that the rights to the invention made by the inventor have been transferred to the applicant by virtue of the provisions of the relevant Act.
  - (c) other proof to the satisfaction of the registrar.
  
6. Where the applicant claims priority of an earlier application, and the applicants of the earlier application are/were not the same as the applicants of the application claiming priority, the registrar shall accept any of the following proof of the applicant's right to claim priority:
  - (a) an assignment document.
  - (b) other proof to the satisfaction of the registrar.



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**Adv Rory Voller**  
**CIPC Commissioner**  
18 Jan 2023

# 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 2022/12/19 -

F2022/01667 - SIZWE NHLANHLA ZWANE, THUTHUKA ZWANE Class 21. TRU DYCE

A2022/01670 - ThulaSizwe Clothing (Pty) Ltd Class 06. ARTISTIC MOTIF

A2022/01669 - ThulaSizwe Clothing (Pty) Ltd Class 06. ARTISTIC MOTIF

A2022/01668 - Zeta Amenities Pty Ltd Class 09. DISPENSER

A2022/01666 - ThulaSizwe Clothing (Pty) Ltd Class 06. ARTISTIC MOTIF

. - APPLIED ON 2022/12/20 -

F2022/01675 - RORSCHACH INNOVATION SERVICES (PTY) LTD Class 02. SHOULDER PAD

A2022/01673 - FERRARI S.P.A. Class 21. TOY CAR

A2022/01674 - RORSCHACH INNOVATION SERVICES (PTY) LTD Class 02. SHOULDER PAD

F2022/01671 - JJ Govender Class 25. THE STALACTITE'S ARCH

A2022/01672 - FERRARI S.P.A. Class 12. CAR

. - APPLIED ON 2022/12/21 -

A2022/01676 - Caterpillar Inc. Class 15. CYLINDERS

A2022/01677 - Caterpillar Inc. Class 15. CYLINDERS

. - APPLIED ON 2022/12/22 -

A2022/01689 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

A2022/01690 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

A2022/01699 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2022/01685 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

F2022/01679 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT FRAME

A2022/01687 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

A2022/01688 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

F2022/01698 - Turlen Holding SA Class 10. WATCH MECHANISMS



A2022/01683 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT

A2022/01691 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

F2022/01682 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT

A2022/01678 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT FRAME

A2022/01686 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

A2022/01693 - ILLUMINA SINGAPORE PTE. LTD., ILLUMINA, INC. Class 24. REAGENT CARTRIDGE

A2022/01694 - ILLUMINA, INC. Class 24. FLOW CELL CARTRIDGE

A2022/01695 - ILLUMINA SINGAPORE PTE. LTD., ILLUMINA, INC. Class 24. REAGENT CARTRIDGE

A2022/01696 - Turlen Holding SA Class 10. WATCH MECHANISMS

A2022/01697 - Soci&#233;t&#233; des Produits Nestl&#233; S.A. Class 7. COFFEE MACHINES

A2022/01681 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT

A2022/01684 - PHILIP MORRIS PRODUCTS S.A. Class 27. SNUS CAN

A2022/01700 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2022/01692 - ILLUMINA SINGAPORE PTE. LTD., ILLUMINA, INC. Class 24. SEQUENCING INSTRUMENT

F2022/01680 - GAMALETOS, Alexandros Class 6. MODULAR KITCHEN UNIT

. - APPLIED ON 2023/01/03 -

F2023/00002 - GRAND PLASTICS (PTY) LTD Class 09. A PACKAGING CONTAINER

A2023/00010 - NEWTON, John Stuart Class 02. A PAIR OF SOLES

A2023/00007 - NEWTON, John Stuart Class 02. BOOT

A2023/00003 - GRAND PLASTICS (PTY) LTD Class 09. A PACKAGING CONTAINER

A2023/00012 - TRELLEBORG WHEEL SYSTEMS ITALIA S.P.A. Class 12. TYRE TREAD

A2023/00009 - NEWTON, John Stuart Class 02. A PAIR OF SOLES

A2023/00006 - Philips Domestic Appliances Holding B.V. Class 07. ELECTRIC STEAM IRON

A2023/00017 - ZHUHAI PANTUM ELECTRONICS CO., LTD. Class 14. PROCESSING CARTRIDGE

F2023/00014 - EDDY PUMP CORPORATION Class 23. FLOAT DEVICE

A2023/00005 - Philips Domestic Appliances Holding B.V. Class 07. ELECTRIC STEAM IRON

A2023/00001 - GRAND PLASTICS (PTY) LTD Class 09. A PACKAGING CONTAINER

F2023/00015 - EDDY PUMP CORPORATION Class 13. FLOAT DEVICE

F2023/00013 - EDDY PUMP CORPORATION Class 13. FLOAT DEVICE

A2023/00011 - NEWTON, John Stuart Class 05. TEXTILE

A2023/00008 - NEWTON, John Stuart Class 02. A PAIR OF SOLES

F2023/00016 - EDDY PUMP CORPORATION Class 23. FLOAT DEVICE

F2023/00004 - GRAND PLASTICS (PTY) LTD Class 09. A PACKAGING CONTAINER

- APPLIED ON 2023/01/05 -

A2023/00022 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00026 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00021 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00020 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00025 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00023 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00019 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

A2023/00018 - Chery Automobile Co., Ltd. Class 12. CARS

A2023/00024 - Joint Stock Company "BIOCAD" Class 09. PACKAGING CONTAINERS FOR MEDICINAL PRODUCTS

- APPLIED ON 2023/01/06 -

A2023/00029 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00028 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00031 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00032 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00033 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00027 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

A2023/00030 - Caterpillar Inc. Class 15. RETENTION COMPONENTS

- APPLIED ON 2023/01/09 -

A2023/00041 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00035 - BALANCED BODY, INC. Class 21. PILATES CHAIR EXERCISE APPARATUS

A2023/00039 - PURAFIL, INC. Class 15. HAZARDOUS GAS SCRUBBER

A2023/00040 - HMD Global Oy Class 14. MOBILE PHONES

A2023/00034 - BALANCED BODY, INC. Class 21. PILATES CHAIR EXERCISE APPARATUS

A2023/00036 - BALANCED BODY, INC. Class 21. PILATES CHAIR EXERCISE APPARATUS

A2023/00037 - BALANCED BODY, INC. Class 21. PILATES CHAIR EXERCISE APPARATUS

A2023/00038 - PURAFIL, INC. Class 15. HAZARDOUS GAS SCRUBBER

- APPLIED ON 2023/01/10 -

A2023/00050 - BYD COMPANY LIMITED Class 12. AUTOMOBILE

A2023/00049 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00048 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00045 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00044 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00042 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00043 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00046 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

A2023/00047 - Essity Hygiene and Health Aktiebolag Class 2. PANTS

- APPLIED ON 2023/01/11 -

A2023/00053 - ESCO Group LLC Class 15. WEAR MEMBERS

A2023/00054 - Chery Automobile Co., Ltd. Class 12. CARS

A2023/00052 - ESCO Group LLC Class 15. WEAR MEMBERS

A2023/00051 - ESCO Group LLC Class 15. WEAR MEMBERS

- APPLIED ON 2023/01/12 -

A2023/00056 - HANSGROHE SE Class 23. WASHBASIN

A2023/00058 - HANSGROHE SE Class 23. WASHBASIN

A2023/00059 - HANSGROHE SE Class 23. WASHBASIN

A2023/00057 - HANSGROHE SE Class 23. WASHBASIN

A2023/00055 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

- APPLIED ON 2023/01/13 -

A2023/00070 - DART INDUSTRIES INC. Class 7. STORAGE CONTAINER SEAL

A2023/00061 - Philips Domestic Appliances Holding B.V. Class 07. AIR FRYER

A2023/00067 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00060 - Philips Domestic Appliances Holding B.V. Class 07. AIR FRYER

A2023/00065 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00063 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00066 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00068 - DART INDUSTRIES INC. Class 7. STORAGE CONTAINER SEAL

A2023/00064 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00062 - LEGRAND FRANCE, LEGRAND SNC Class 13. ELECTRICAL SWITCH

A2023/00069 - DART INDUSTRIES INC. Class 7. STORAGE CONTAINER SEAL

- APPLIED ON 2023/01/16 -

F2023/00072 - ADAMS, Frederik Jacobus Class 8. STEP DRILL BITS

A2023/00074 - HANSGROHE SE Class 23. WASHBASIN

A2023/00073 - GIN RUNNERS, LLC Class 9. BOTTLE

A2023/00075 - HANSGROHE SE Class 23. WASHBASIN

A2023/00076 - HANSGROHE SE Class 23. WASHBASIN

F2023/00071 - ADAMS, Frederik Jacobus Class 8. LEG BRACKETS

- APPLIED ON 2023/01/17 -

A2023/00079 - Hubble Lithium (Pty) Ltd Class 13. BATTERY ENCLOSURE

F2023/00080 - Hubble Lithium (Pty) Ltd Class 13. BATTERY ENCLOSURE

A2023/00077 - B. BRAUN AVITUM AG Class 9. CONTAINER

A2023/00078 - B. BRAUN AVITUM AG Class 9. CAP FOR A CONTAINER

- APPLIED ON 2023/01/18 -

A2023/00081 - GIFT DINEO PALE Class 06. BED

F2023/00082 - GIFT DINEO PALE Class 06. BED

- APPLIED ON 2023/01/19 -

A2023/00083 - Omni United (S) PTE Ltd. Class 12. TYRES AND TYRE TREADS

- APPLIED ON 2023/01/20 -

A2023/00085 - SUPERCART SOUTH AFRICA (PTY) LTD Class 12. TROLLEY ARRANGEMENT

A2023/00084 - SUPERCART SOUTH AFRICA (PTY) LTD Class 12. TROLLEY

A2023/00086 - SUPERCART SOUTH AFRICA (PTY) LTD Class 12. TROLLEY

**CHANGE OF NAME IN TERMS OF REGULATION 24**

No records available

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

No records available

**APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION**

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.

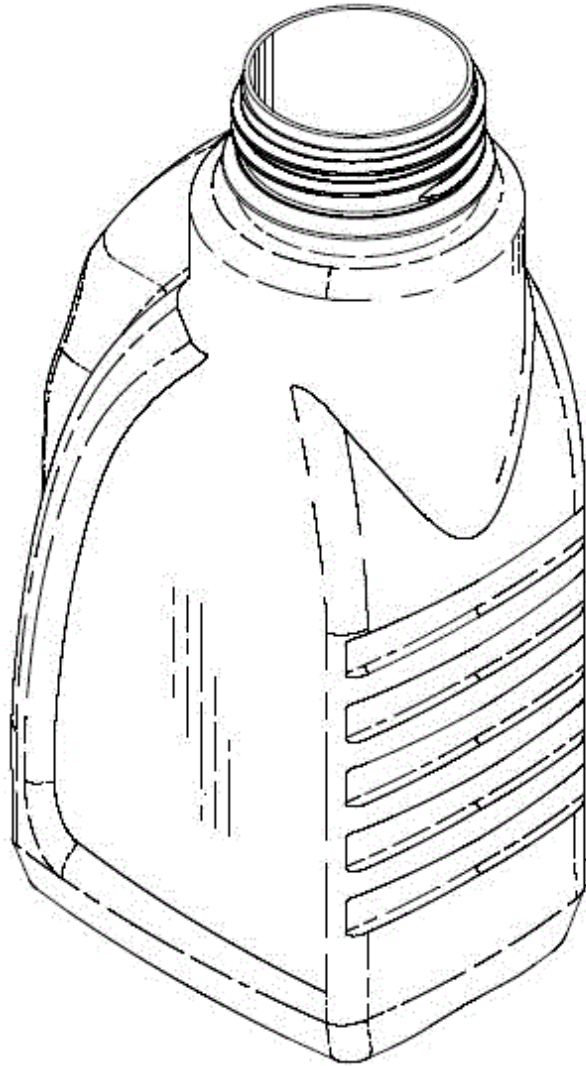
**N.B.:** Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

**Registrar of Designs**

21: A2019/00165 22: 2019-02-01 23:  
 43: 2019-02-01  
 52: Class 9 24: Part A  
 71: VERIGREEN PROPRIETARY LIMITED

**54: Containers**

57: The design relates to a container. The container has a neck formation at an upper region of the container terminating in an opening. The container has a slanted handle formation at the upper region of the container. The handle formation is in the form of an elongate ridge which slants downwardly from a location adjacent the neck formation. An end region of the container below the handle formation has a number of vertically-spaced rectangular grooves, while an opposite end of the container has vertically-spaced rectangular projecting ribs. Central regions of opposite sides of the container have flat faces.

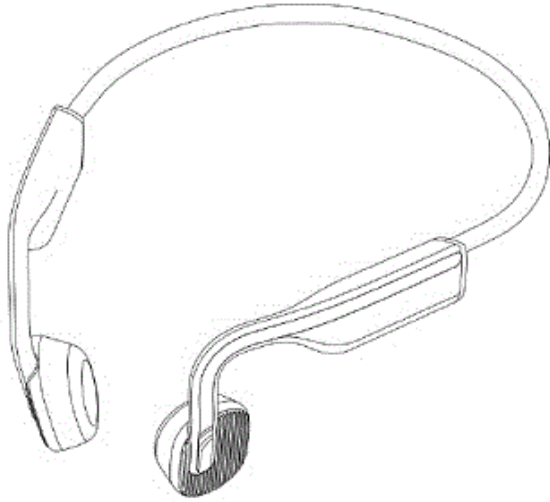


Three-dimensional view

21: A2020/01108 22: 2020-08-13 23:  
 43: 2022-11-29  
 52: Class 14. 24: Part A  
 71: SHENZHEN SHOKZ CO., LTD.

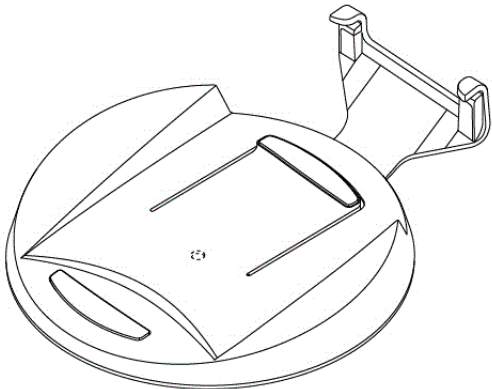
**54: Earphone**

57: The design relates to an earphone. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

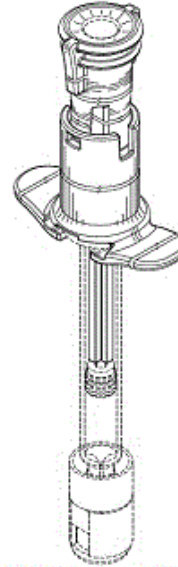


FIRST PERSPECTIVE VIEW

21: A2020/01474 22: 2020-11-12 23:  
43: 2022-09-19  
52: Class 14 24: Part A  
71: SONY INTERACTIVE ENTERTAINMENT INC.  
33: JP 31: 2020-010089 32: 2020-05-22  
**54: STAND FOR ELECTRONIC DEVICE**  
57: The design is applied to a stand for an electronic device and is shown in perspective front, top, and right side view in the drawing showing the overall appearance thereof.



21: A2021/00547 22: 2021-05-21 23:  
43: 2022-11-07  
52: Class 24. 24: Part A  
71: REGENERON PHARMACEUTICALS, INC.  
33: US 31: 29/760,796 32: 2020-12-03  
**54: Dose Delivery Device**  
57: The design relates to a dose delivery device. The features of the design are those of shape and/or configuration and/or ornamentation.



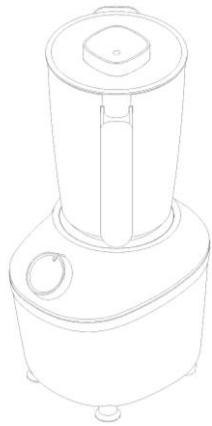
FRONT RIGHT PERSPECTIVE VIEW

21: A2021/01184 22: 2021-09-29 23:  
43: 2022-10-19  
52: Class 31 24: Part A  
71: KONINKLIJKE PHILIPS N.V.  
33: EU 31: 008484729-0001 32: 2021-04-01  
**54: BLENDER**  
57: The article of the design consists substantially of a blender. The features of the design for which protection is claimed reside in the shape and/or configuration of the blender substantially as shown in the accompanying representations.

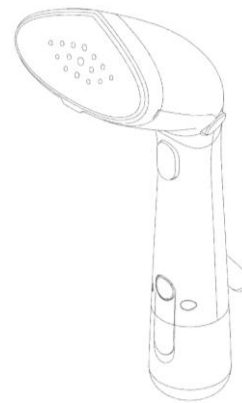


21: A2021/01185 22: 2021-09-29 23:  
43: 2022-10-19  
52: Class 31 24: Part A  
71: KONINKLIJKE PHILIPS N.V.  
33: EU 31: 008484729-0002 32: 2021-04-01  
**54: BLENDER**  
57: The article of the design consists substantially of a blender. The features of the design for which

protection is claimed reside in the shape and/or configuration of the blender substantially as shown in the accompanying representations.



shape and/or configuration of the handheld garment steamer substantially as shown in the accompanying representations.



21: A2021/01288 22: 2021-10-13 23:  
43: 2022-10-19

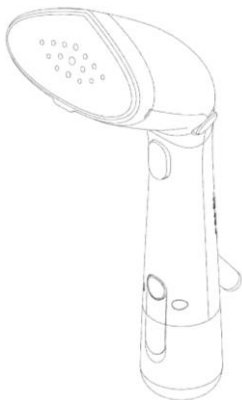
52: Class 07 24: Part A

71: KONINKLIJKE PHILIPS N.V.

33: EU 31: 008498620-0001 32: 2021-04-13

**54: HANDHELD GARMENT STEAMER**

57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation of the handheld garment steamer substantially as shown in the accompanying representations.



21: A2021/01290 22: 2021-10-13 23:  
43: 2022-10-19

52: Class 07 24: Part A

71: KONINKLIJKE PHILIPS N.V.

33: EU 31: 008498620-0003 32: 2021-04-13

**54: HANDHELD GARMENT STEAMER**

57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation of the handheld garment steamer substantially as shown in the accompanying representations.



21: A2021/01289 22: 2021-10-13 23:  
43: 2022-10-19

52: Class 07 24: Part A

71: KONINKLIJKE PHILIPS N.V.

33: EU 31: 008498620-0002 32: 2021-04-13

**54: HANDHELD GARMENT STEAMER**

57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the

21: A2021/01291 22: 2021-10-13 23:  
43: 2022-10-19

52: Class 07 24: Part A

71: KONINKLIJKE PHILIPS N.V.

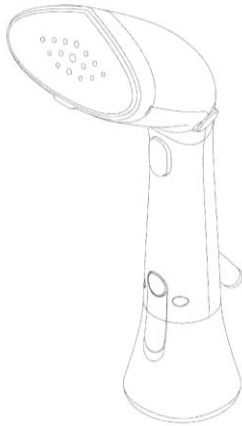
33: EU 31: 008498620-0004 32: 2021-04-13

**54: HANDHELD GARMENT STEAMER**

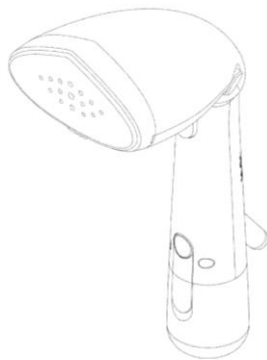
57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the



shape and/or configuration of the handheld garment steamer substantially as shown in the accompanying representations.

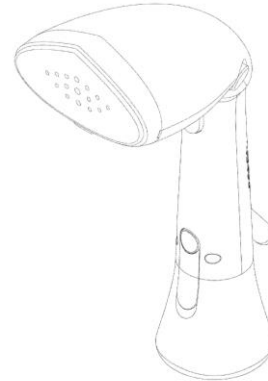


21: A2021/01292 22: 2021-10-13 23: 43: 2022-10-19  
 52: Class 07 24: Part A  
 71: KONINKLIJKE PHILIPS N.V.  
 33: EU 31: 008498620-0005 32: 2021-04-13  
**54: HANDHELD GARMENT STEAMER**  
 57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation of the handheld garment steamer substantially as shown in the accompanying representations.

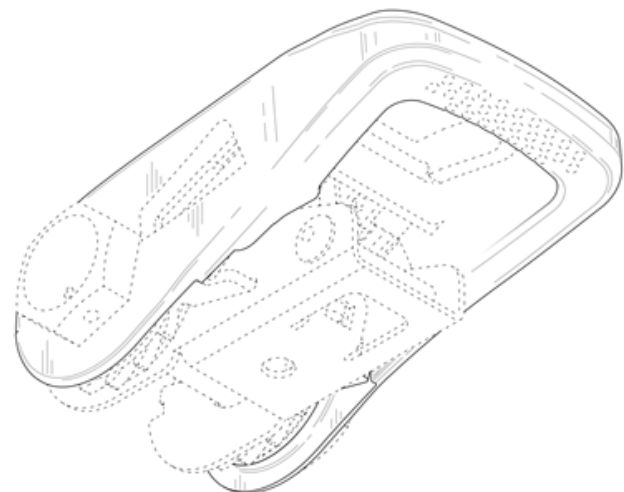


21: A2021/01293 22: 2021-10-13 23: 43: 2022-10-19  
 52: Class 07 24: Part A  
 71: KONINKLIJKE PHILIPS N.V.  
 33: EU 31: 008498620-0006 32: 2021-04-13  
**54: HANDHELD GARMENT STEAMER**  
 57: The article of the design consists substantially of a handheld garment steamer. The features of the design for which protection is claimed reside in the shape and/or configuration and/or ornamentation of

the handheld garment steamer substantially as shown in the accompanying representations.



21: A2022/00367 22: 2022-04-07 23: 43: 2022-12-06  
 52: Class 08 24: Part A  
 71: WINSTON PRODUCTS, LLC  
 33: US 31: 29/810,707 32: 2021-10-07  
**54: RATCHET HANDLE**  
 57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.

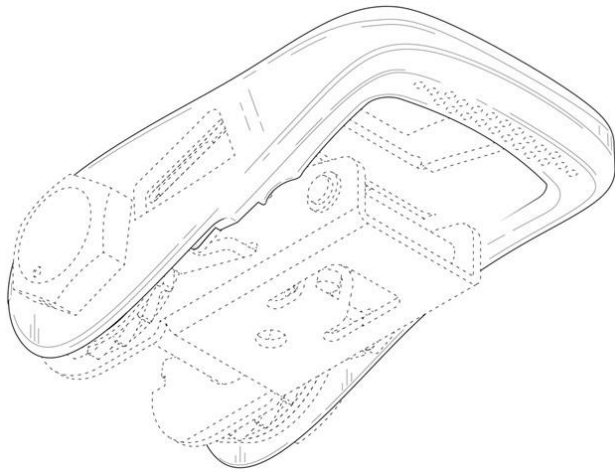


21: A2022/00368 22: 2022-04-07 23: 43: 2022-12-06  
 52: Class 08 24: Part A  
 71: WINSTON PRODUCTS, LLC

33: US 31: 29/810,707 32: 2021-10-07

**54: RATCHET HANDLE**

57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.



21: A2022/00369 22: 2022-04-07 23:

43: 2022-12-06

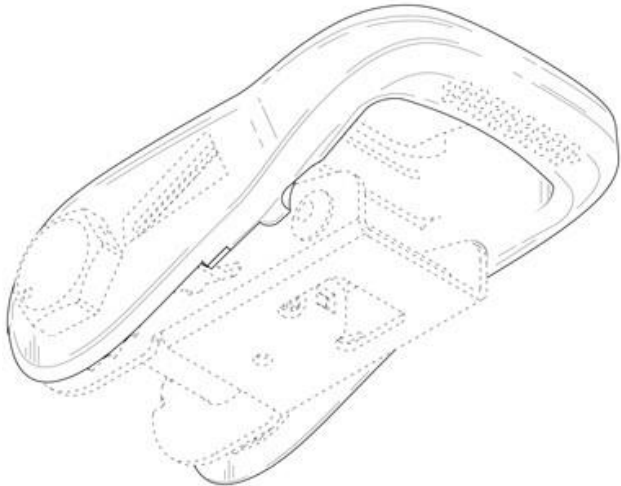
52: Class 08 24: Part A

71: WINSTON PRODUCTS, LLC

33: US 31: 29/810,704 32: 2021-10-07

**54: RATCHET HANDLE**

57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.



21: A2022/00370 22: 2022-04-07 23:

43: 2022-12-08

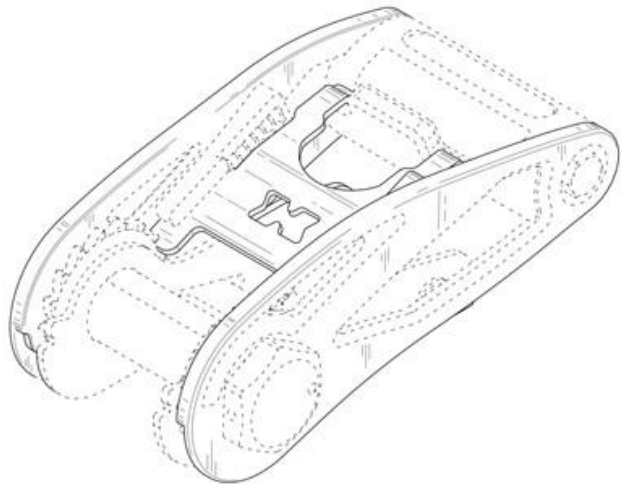
52: Class 08 24: Part A

71: WINSTON PRODUCTS, LLC

33: US 31: 29/810,705 32: 2021-10-07

**54: RATCHET HANDLE**

57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.



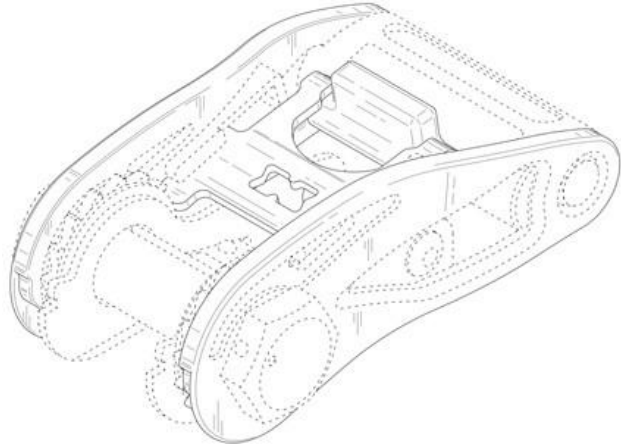
21: A2022/00371 22: 2022-04-07 23:

43: 2022-12-06

52: Class 08 24: Part A

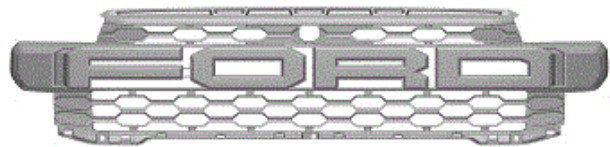
71: WINSTON PRODUCTS, LLC  
 33: US 31: 29/810,706 32: 2021-10-07  
**54: RATCHET HANDLE**

57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.



21: A2022/00420 22: 2022-04-20 23:  
 43: 2022-11-03  
 52: Class 12. 24: Part A  
 71: FORD GLOBAL TECHNOLOGIES, LLC  
 33: US 31: 29/814,474 32: 2021-11-05  
**54: Front Centre Grille for a Vehicle**

57: The design relates to a front centre grille for a vehicle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



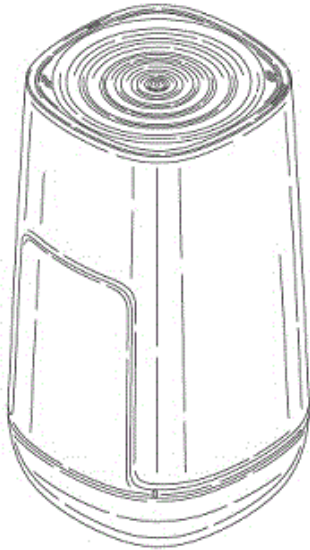
FRONT VIEW

21: A2022/00372 22: 2022-04-07 23:  
 43: 2022-12-06  
 52: Class 08 24: Part A  
 71: WINSTON PRODUCTS, LLC  
 33: US 31: 29/810,706 32: 2021-10-07  
**54: RATCHET HANDLE**

57: The design is applied to ratchet handle. 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 ratchet handle, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading are provided to indicate the surface character and contours but do not form part of the design and are also disclaimed.

21: A2022/00431 22: 2022-04-22 23:  
 43: 2022-11-03  
 52: Class 23. 24: Part A  
 71: DART INDUSTRIES INC.  
 33: US 31: 29/816,158 32: 2021-11-19  
**54: Water Filter Housing**

57: The design relates to a water filter housing. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND LEFT SIDE PERSPECTIVE VIEW

21: A2022/00432 22: 2022-04-22 23:  
43: 2022-11-03

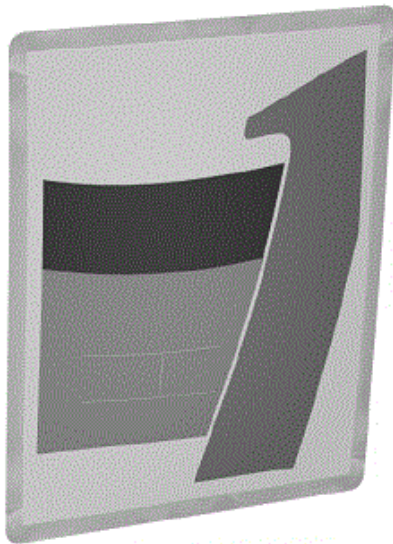
52: Class 9. 24: Part A

71: CJ CHEILJEDANG CORPORATION

33: KR 31: 30-2021-0062238 32: 2021-12-24

**54: Packaging Bag**

57: The design relates to a packaging bag. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2022/00444 22: 2022-04-26 23:  
43: 2022-11-03

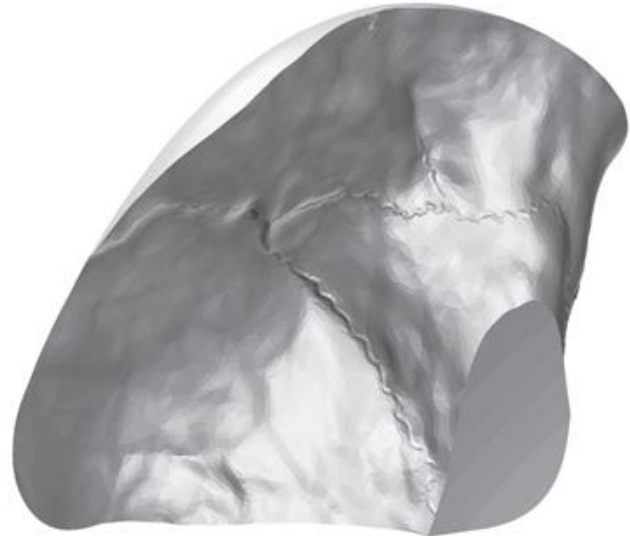
52: Class 24 24: Part A

71: CRANIUS LLC

33: US 31: 29/813,973 32: 2021-11-02

**54: CRANIAL IMPLANT**

57: The design is applied to a cranial implant. 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 cranial implant, substantially as illustrated in the accompanying representation.



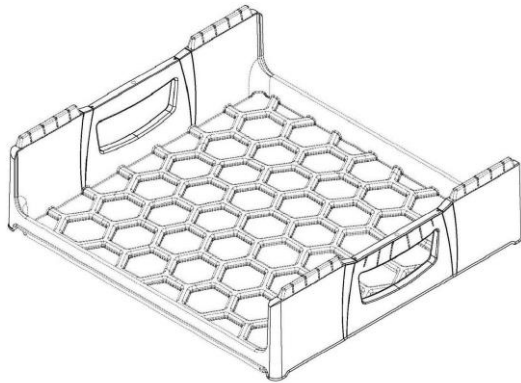
21: A2022/00446 22: 2022-04-26 23:  
43: 2022-04-26

52: Class 9 24: Part A

71: PIMMS Group (PTY) Ltd.

**54: CRATES**

57: The crate has a pair of opposed major sidewalls which project upwardly from a base. The sidewalls are rectangular and upright. The sidewalls have smooth inwardly- and outwardly-directed faces. In other words, the faces lack ribs, grooves, and general reinforcing structures common to handheld crates. This makes an impact in cleaning and sterilizing the crate for food producers.



21: A2022/00448 22: 2022-04-26 23:  
 43: 2021-11-11  
 52: Class 12 24: Part A  
 71: Scania CV AB  
 33: EM(SE) 31: 008918445 32: 2022-03-25

**54: VEHICLE ACCESSORIES**

57: The design is for a vehicle accessory in the form of a vehicle badge comprising linearly arranged spaced-apart capital letters spelling out the word "SUPER". A horizontal member extends longitudinally and centrally between the letters. The letters P and R include an open gap in the letter formation. A short cylindrical connecting element or lug protrudes rearwardly from the letters S, P, E and R. In side view, the letters are gently convexly curved.



Figure 1  
 Three-dimensional view

21: A2022/00453 22: 2022-04-28 23:  
 43: 2021-12-08  
 52: Class 1 24: Part A  
 71: United Biscuits (UK) Limited  
 33: GB 31: 6180125 32: 2021-12-08  
 33: GB 31: 6180127 32: 2021-12-08

**54: BISCUITS**

57: The design is for a biscuit having a unique embossed pattern across the lid, and the arrangement of openings in the lid through which the filling is visible inside the filled biscuit, combined with the circumferential gap between the lid of the biscuit and the top of the upstanding sides forming the base

of the biscuit (through which the filling is again visible).



Figure 1  
 Three-dimensional view

21: A2022/00454 22: 2022-04-28 23:  
 43: 2021-12-08  
 52: Class 1 24: Part A  
 71: United Biscuits (UK) Limited  
 33: GB 31: 6180126 32: 2021-12-08  
 33: GB 31: 6180128 32: 2021-12-08

**54: BISCUITS**

57: The design is for a biscuit having a unique embossed pattern across the top of the biscuit, and the arrangement of openings in the biscuit, combined with a unique shaped circumferential edge of the biscuit.



Figure 1  
 Three-dimensional view

21: A2022/00455 22: 2022-04-28 23:  
 43: 2021-10-28  
 52: Class 10 24: Part A  
 71: Turlen Holding SA  
 33: HSIRID(CH) 31: DM/217310 32: 2021-10-28

**54: WATCHES**

57: The design is for a watch. The watch has a case that has front convex and rear concave faces. Each face has parallel top and bottom edges and convex side edges extending therebetween. Edges of the case define spaced apart trapezium-shaped formations with mechanical fasteners therebetween; the fasteners extend between the front and rear faces. Sidewalls extend between the front and rear faces. A large circular crown is fitted on one of the lateral side walls. A first rectangular button projects from the side wall above the crown and a second rectangular button projects from the side wall diametrically opposed to the first button. Front and rear windows are provided over the front and rear faces and reveal mechanical innards of the watch. A dial is shown on the front face. Hands which define openings are visible through the front window.

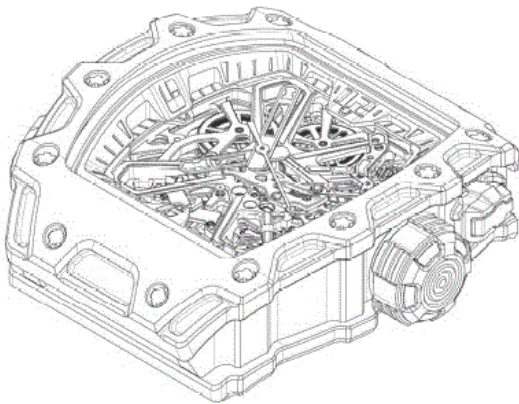


Figure 1

Three dimensional view

21: A2022/00456 22: 2022-04-28 23: 43: 2021-10-28  
 52: Class 10 24: Part A  
 71: Turlen Holding SA  
 33: HSIRID(CH) 31: WIPO109767 32: 2021-10-28

**54: WATCHES**

57: The design is for a watch. The watch is barrel shaped having parallel top and bottom edges and convex side edges extending therebetween. The watch has a front face that includes three circular windows spaced side-by-side in a top row. A left window is smaller and accommodates a technical mechanism while the other two windows are larger and accommodate watch mechanisms. A fourth window is provided on a left of a bottom row, the fourth window accommodating a technical mechanism like the window above it. The left windows of the first and second rows extend through

to a rear of the watch where the technical mechanisms are visible. A peripheral groove extends around the edges of the watch.

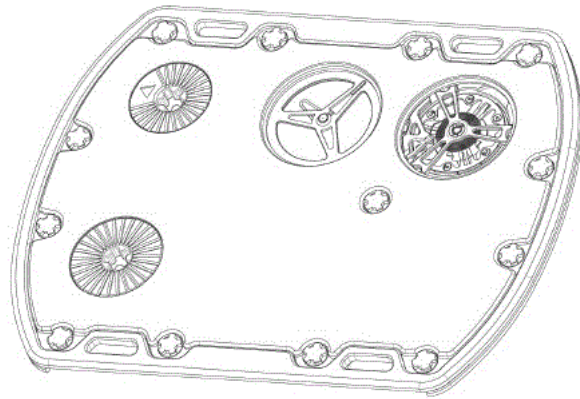


Figure 1

Three-dimensional view

21: A2022/00457 22: 2022-04-28 23: 43: 2021-10-28  
 52: Class 10 24: Part A  
 71: Turlen Holding SA  
 33: HSIRID(CH) 31: DM/218272 32: 2021-10-28

**54: WATCHES**

57: The design is for a watch. The watch has a case that has front convex and rear concave faces. Top and bottom edges of the case define spaced apart trapezium-shaped formations with mechanical fasteners therebetween; the fasteners extend between the front and rear faces. A large, ornate round crown is fitted on a lateral side wall, the crown featuring a series of geometric shapes both on its outer and side surfaces. Front and rear windows are provided over the front and rear faces and reveal mechanical innards of the watch. A watch mechanism is visible through both windows. The case is horizontally symmetrical but vertically asymmetrical: top edges of the face and cases are parallel to each other and slightly horizontally offset in one direction while the bottom edges of the face and case are parallel to each other and slightly horizontally offset in the other direction.

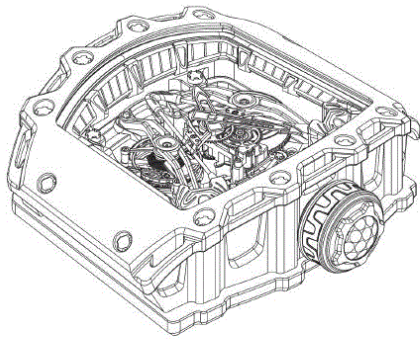
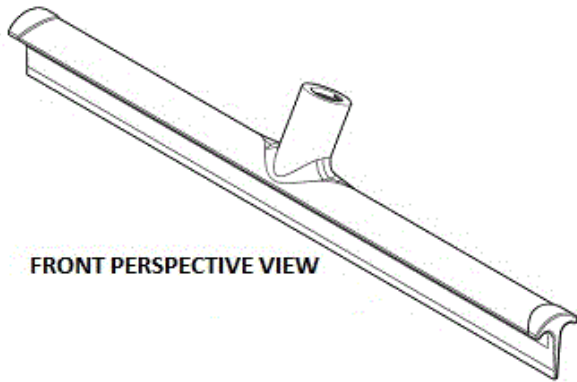


Figure 1  
Three-dimensional view

21: A2022/00458 22: 2022-04-28 23:  
43: 2022-11-03  
52: Class 7. 24: Part A  
71: AFRICA FLOORCARE AND PROMOP (PTY)  
LTD.

**54: Cleaning Instrument**

57: The design relates to a cleaning instrument. The features of the design are those of shape and/or configuration and/or ornamentation.

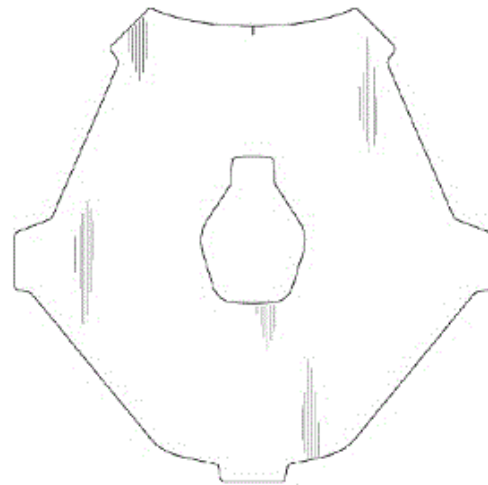


FRONT PERSPECTIVE VIEW

21: A2022/00464 22: 2022-04-29 23:  
43: 2022-11-03  
52: Class 29. 24: Part A  
71: AMERICAN PILLAR, INC.  
33: US 31: 29/813,931 32: 2021-11-02

**54: Liner for a Respirator Mask**

57: The design relates to a liner for a respirator mask. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT VIEW

21: A2022/00472 22: 2022-05-04 23:  
43: 2022-11-14  
52: Class 7. 24: Part A  
71: STASHER, INC.  
33: US 31: 29/814,511 32: 2021-11-05

**54: Container**

57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2022/00473 22: 2022-05-04 23:  
43: 2022-11-14  
52: Class 7. 24: Part A  
71: STASHER, INC.

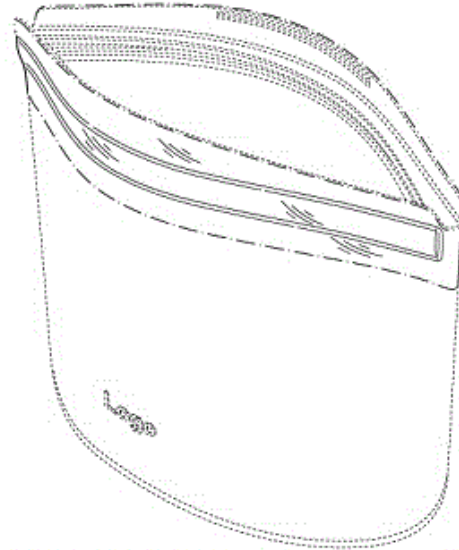
33: US 31: 29/814,514 32: 2021-11-05

**54: Container**

57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2022/00474 22: 2022-05-04 23:

43: 2022-11-14

52: Class 7. 24: Part A

71: STASHER, INC.

33: US 31: 29/814,513 32: 2021-11-05

**54: Container**

57: The design relates to a container. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

21: A2022/00475 22: 2022-05-04 23:

43: 2022-11-14

52: Class 7. 24: Part A

71: STASHER, INC.

33: US 31: 29/814,516 32: 2021-11-05

**54: Set of Containers**

57: The design relates to a set of containers. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2022/00476 22: 2022-05-04 23:

43: 2022-05-04

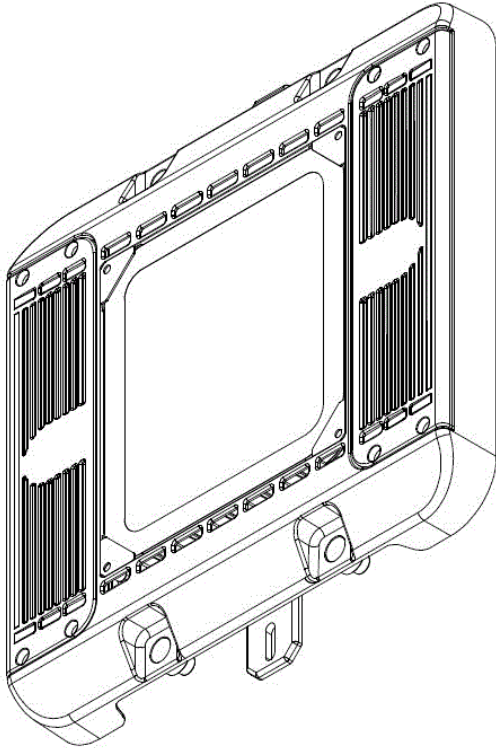
52: Class 26 24: Part A

71: SCHREDER S.A.

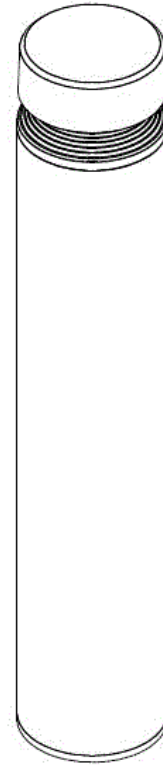


**54: LUMINAIRE HOUSING**

57: The design is applied to a luminaire housing. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a luminaire housing, substantially as illustrated in the accompanying representations.



Three-dimensional view



Three-dimensional view

21: A2022/00477 22: 2022-05-04 23:  
43: 2022-05-04  
52: Class 26 24: Part A  
71: SCHREDER S.A.

**54: LIGHTING BOLLARD**

57: The design is applied to a lighting bollard. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of a lighting bollard, substantially as illustrated in the accompanying representations.

21: A2022/00494 22: 2022-05-09 23:  
43: 2022-11-14

52: Class 24 24: Part A  
71: ICU MEDICAL, INC.

33: US 31: 29/815,385 32: 2021-11-12

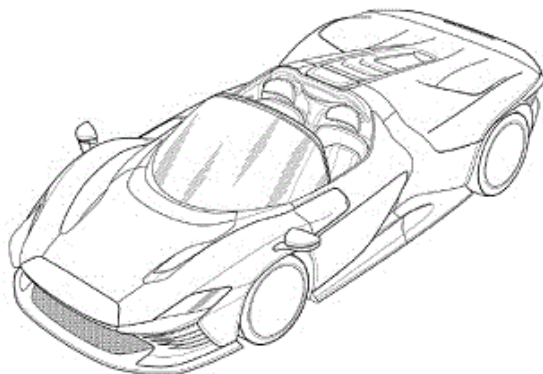
**54: MEDICAL FLUID INFUSION PUMP**

57: The design is applied to a medical fluid infusion pump. 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 medical fluid infusion pump, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2022/00502 22: 2022-05-11 23:  
43: 2022-11-14  
52: Class 12. 24: Part A  
71: FERRARI S.P.A.  
33: IB 31: DM/217524 32: 2021-11-12  
**54: Car**

57: The design relates to a car. The features of the design are those of shape and/or configuration and/or ornamentation.



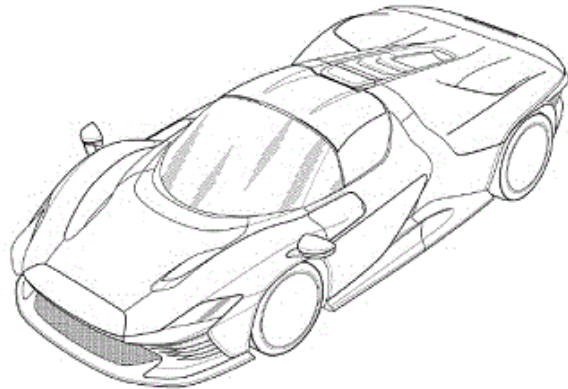
FRONT PERSPECTIVE VIEW

21: A2022/00503 22: 2022-05-11 23:  
43: 2022-11-14  
52: Class 12. 24: Part A  
71: FERRARI S.P.A.

33: IB 31: DM/217524 32: 2021-11-12

**54: Car**

57: The design relates to a car. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2022/00504 22: 2022-05-11 23:

43: 2022-11-14

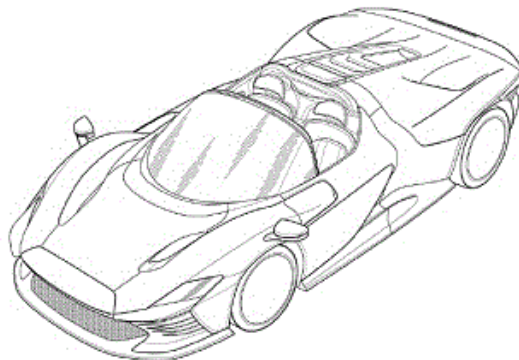
52: Class 21. 24: Part A

71: FERRARI S.P.A.

33: IB 31: DM/217367 32: 2021-11-12

**54: Toy Car**

57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2022/00505 22: 2022-05-11 23:

43: 2022-11-14

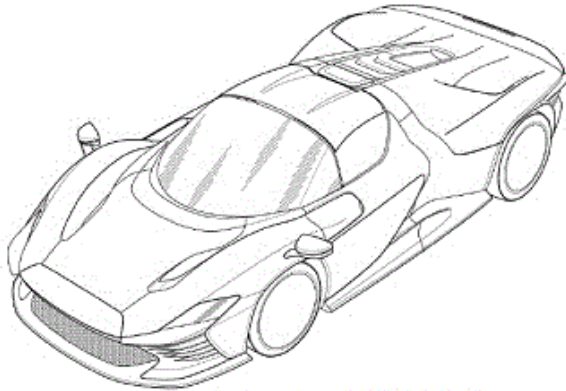
52: Class 21. 24: Part A

71: FERRARI S.P.A.

33: IB 31: DM/217367 32: 2021-11-12

**54: Toy Car**

57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or ornamentation.

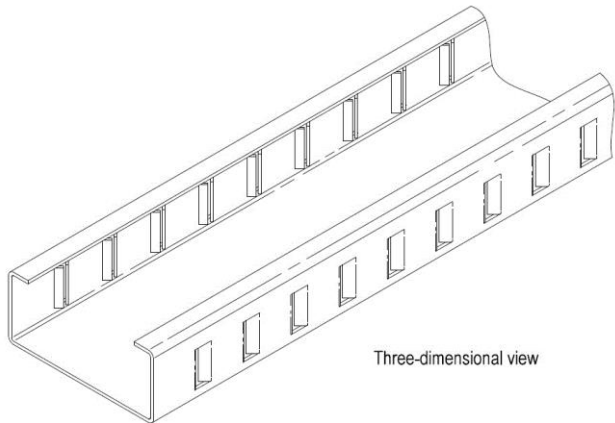


FRONT PERSPECTIVE VIEW

21: A2022/00507 22: 2022-05-12 23:  
43: 2022-05-12  
52: Class 25 24: Part A  
71: VAN DAM, Rodney Cornel

**54: Building units and construction elements**

57: The design is for a channel. The channel is a lip c-channel made of steel, including a web, two opposite, parallel flanges and two lips. Along each flange is a series of elongate, transverse perforations each defining on the inside of the channel a slot disposed perpendicularly to the web.

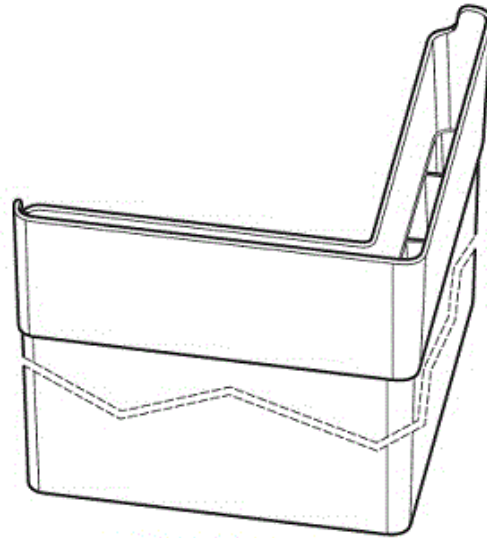


Three-dimensional view

21: A2022/00509 22: 2022-05-12 23:  
43: 2022-11-14  
52: Class 6. 24: Part A  
71: RESTONIC (PROPRIETARY) LIMITED

**54: Leg for a Bed Base**

57: The design relates to a leg for a bed base. The features of the design are those of shape and/or configuration.

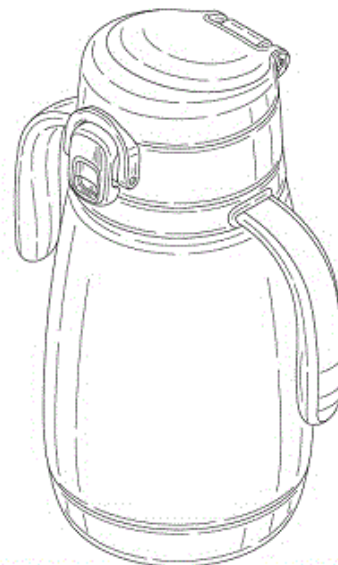


FRONT PERSPECTIVE VIEW

21: A2022/00510 22: 2022-05-12 23:  
43: 2022-11-14  
52: Class 9. 24: Part A  
71: DART INDUSTRIES INC.  
33: US 31: 29/818,129 32: 2021-12-07

**54: Drinking Flask**

57: The design relates to a drinking flask. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP, FRONT AND RIGHT SIDE PERSPECTIVE VIEW

21: A2022/00511 22: 2022-05-12 23:  
43: 2021-11-12  
52: Class 7 24: Part A  
71: Persan S.A.

33: EM(ES) 31: 008755573-0001 32: 2021-11-12

**54: CAPSULES**

57: The design shows a capsule containing detergent which is provided with a central chamber, which houses detergent, in the shape of a four-pointed star. The capsule is also provided with four partially oval outer chambers, which house detergent, and that are arranged radially around the central chamber. Each chamber is closed and independent of the rest of the chambers. The central chamber and the outer chambers are connected by a square foil. The foil extends from half the height of each capsule. The capsule is symmetrical

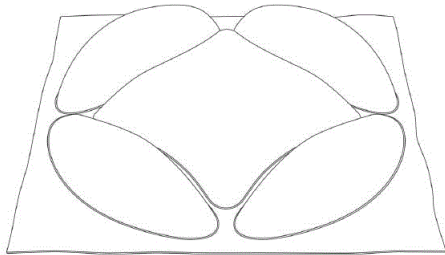


Figure 1  
Three-dimensional view



21: A2022/00520 22: 2022-05-13 23:

43: 2022-11-14

52: Class 14 24: Part A

71: HMD GLOBAL OY

33: EM 31: 008758460 32: 2021-11-15

**54: MOBILE PHONE**

57: The drawing shows a front view of a mobile phone showing the overall appearance thereof.

21: A2022/00521 22: 2022-05-13 23:

43: 2022-11-14

52: Class 14 24: Part A

71: HMD GLOBAL OY

33: EM 31: 008758460 32: 2021-11-15

**54: MOBILE PHONE**

57: The drawing shows a front view of a mobile phone showing the overall appearance thereof.



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21: A2022/00535 22: 2022-05-17 23:  
43: 2022-12-06  
52: Class 02 24: Part A  
71: Tianjin Litai Shoes Science And Technology Co.,  
Ltd.

**54: BOOTS**

57: The design is applied to footwear, more particularly to a boot or pair of boots. The design is applied to the body of the boot as well as the sole thereof.



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21: F2022/00125 22: 2022-02-09 23:  
43: 2022-09-15  
52: Class 08 24: Part F  
71: M E & E McWade Engineered Products (Pty) Ltd  
**54: BRACKET**  
57: The features for which protection is claimed reside in the shape or configuration of a bracket as shown in the accompanying drawings.

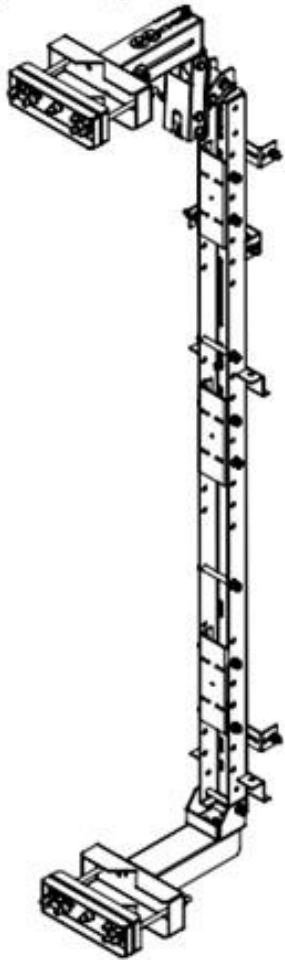


Figure 1

Three-dimensional view

21: F2022/00434 22: 2022-04-25 23:  
 43: 2021-10-26  
 52: Class 25 24: Part F  
 71: TOFTEGAARD BYG ApS  
 33: EM(DK) 31: 008736151-0001 32: 2021-10-26

**54: MOULDINGS**

57: The design is for a moulding, and in particular for an architectural moulding, comprising an elongate body formed by a metal sheet arranged in spaced-apart folds. A first fold forms a flat base at a first end, the sheet folding upwardly inwardly and outwardly in a zigzag pattern to an upwardly protruding second end. A side profile of the body is generally zigzag in shape.

21: F2022/00435 22: 2022-04-25 23:  
 43: 2021-10-26  
 52: Class 25 24: Part F  
 71: TOFTEGAARD BYG ApS  
 33: EM(DK) 31: 008736151-0002 32: 2021-10-26

**54: MOULDINGS**

57: The design is for a moulding and in particular for an architectural moulding comprising an elongate body formed by a metal sheet arranged in spaced-apart folds. A first fold forms a flat base at a first end, the sheet folding upwardly inwardly and outwardly in a zigzag pattern to a second flat portion. The sheet folds further upwardly inwardly and outwardly to an upwardly protruding second end. A side profile of the body is generally zigzag in shape.

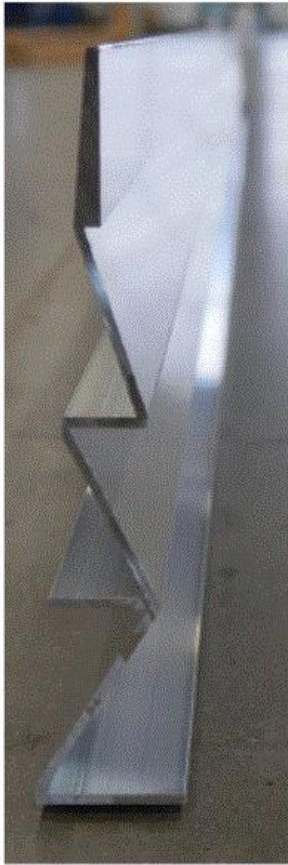


Figure 1

Three-dimensional view

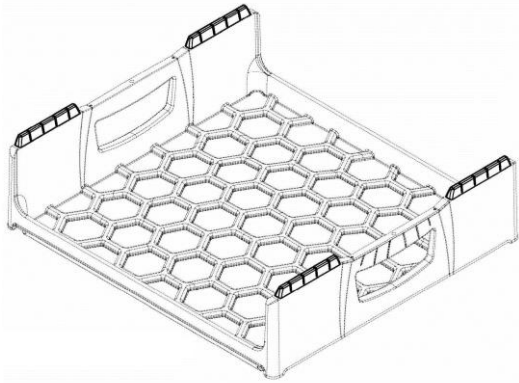
21: F2022/00436 22: 2022-04-25 23:  
 43: 2021-10-26  
 52: Class 25 24: Part F  
 71: TOFTEGAARD BYG ApS  
 33: EM(DK) 31: 008736151-0003 32: 2021-10-26  
**54: MOULDINGS**  
 57: The design is for a moulding and in particular an architectural moulding comprising an elongate body formed by a metal sheet arranged in spaced-apart folds. A first fold forms a flat base at a first end, the sheet folding upwardly inwardly and outwardly repeatedly in a zigzag pattern to an upwardly protruding second end, with each fold decreasing in size. A side profile of the body is generally zigzag in shape.



Figure 1

Three-dimensional view

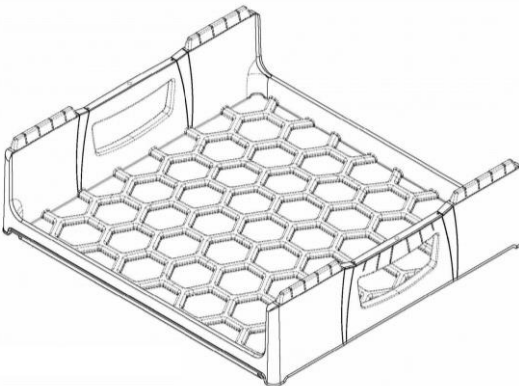
21: F2022/00445 22: 2022-04-26 23:  
 43: 2022-04-26  
 52: Class 9 24: Part F  
 71: PIMMS Group (PTY) Ltd.  
**54: CRATES**  
 57: The crate has a pair of spaced apart turrets provided on each of the major sidewalls. The turrets project upwardly from tops of the sidewalls. The major sidewalls define complementary sockets underneath for accommodating the turrets of an underlying crate (not illustrated). The turrets and sockets thus provide aligned stacking of plural crates.



21: F2022/00447 22: 2022-04-26 23:  
43: 2022-04-26  
52: Class 9 24: Part F  
71: PIMMS Group (PTY) Ltd.

**54: CRATES**

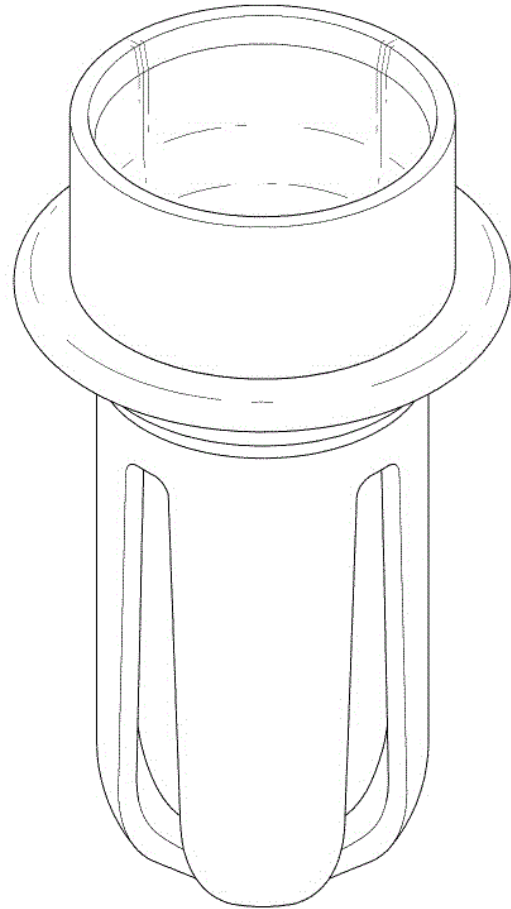
57: The crate has a pair of opposed major sidewalls interspaced by a pair of minor sidewalls. The major sidewalls are about four times taller than the minor ones. The spacing between the major sidewalls is slightly longer than that between the minor sidewalls, allowing for condensed alternating stacking as illustrated in the representations with plural crates.



21: F2022/00452 22: 2022-04-28 23:  
43: 2022-11-03  
52: Class 8 24: Part F  
71: iKAMPER CO., LTD.  
33: KR 31: 30-2021-0051507 32: 2021-10-29

**54: FITTINGS FOR AIR PUMP**

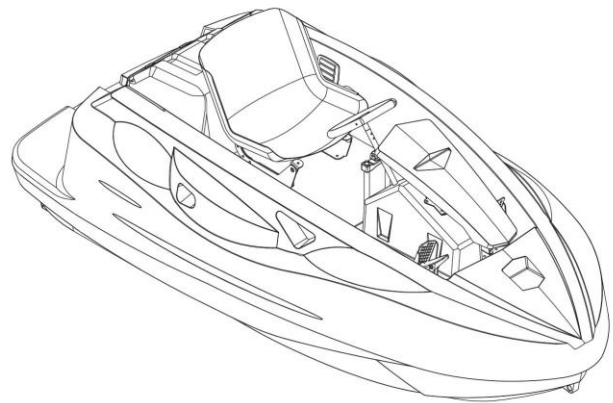
57: The drawing shows a perspective view of a fitting for an air pump in accordance with the present design showing the overall appearance thereof.



21: F2022/00489 22: 2022-05-09 23:  
43: 2022-11-14  
52: Class 12 24: Part F  
71: PARIS DAKART AREA RECREATIVA S.A

**54: WATERCRAFT**

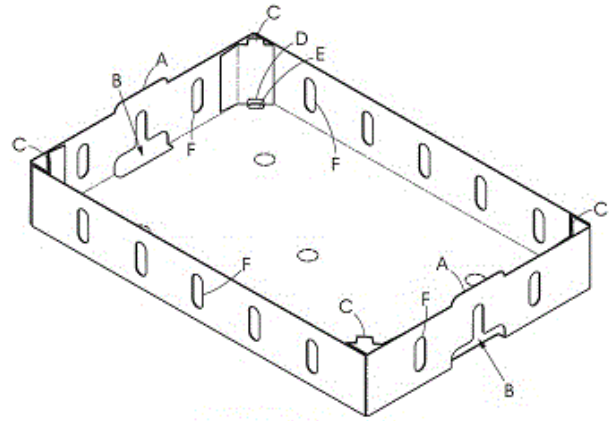
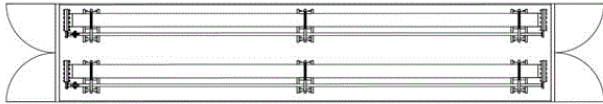
57: The design is for a watercraft with a mono-hull and with a single seat cockpit



21: F2022/00490 22: 2022-05-09 23:

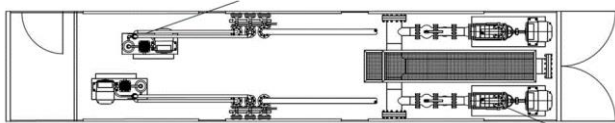


43: 2022-11-14  
 52: Class 23 24: Part F  
 71: PAINTED WOLF CONSULTING (PTY) LTD,  
 PETREDEC INTERNATIONAL PTE. LTD.  
**54: CONTAINERIZED PETROLEUM PIPING**  
 57: The design provides containerized petroleum piping. The design provides for storage, transportation and deployment of petroleum piping for the discharge of petroleum products from ship to shore.



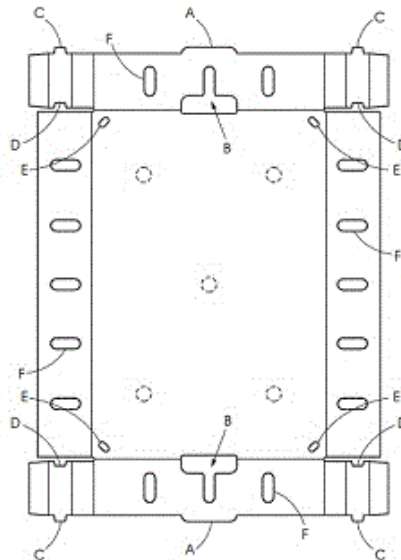
PERSPECTIVE VIEW

21: F2022/00491 22: 2022-05-09 23:  
 43: 2022-11-14  
 52: Class 23 24: Part F  
 71: PAINTED WOLF CONSULTING (PTY) LTD,  
 PETREDEC INTERNATIONAL PTE. LTD.  
**54: CONTAINERIZED LPG DISCHARGE FACILITY**  
 57: The design provides a containerized LPG discharge facility. The design provides for storage, transportation and deployment of an LPG discharge facility for the discharge of petroleum products from ship to shore.



21: F2022/00499 22: 2022-05-10 23:  
 43: 2022-11-14  
 52: Class 9. 24: Part F  
 71: EVEREST CORRUGATED (PTY) LTD.  
**54: Blank for a Punnet**  
 57: The design relates to a blank for a punnet. The features of the design are those of shape and/or configuration and/or pattern.

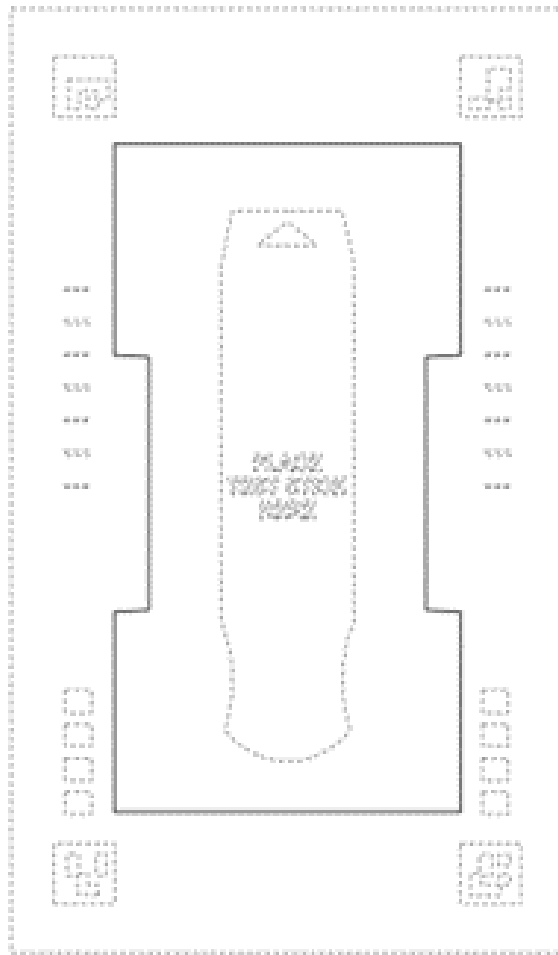
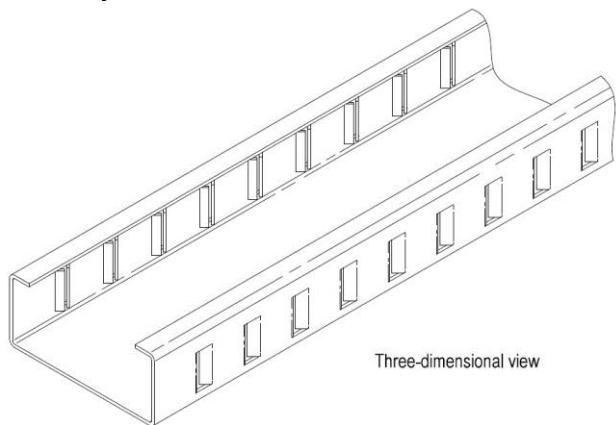
21: F2022/00498 22: 2022-05-10 23:  
 43: 2022-11-14  
 52: Class 9. 24: Part F  
 71: EVEREST CORRUGATED (PTY) LTD.  
**54: Punnet**  
 57: The design relates to a punnet. The features of the design are those of shape and/or configuration and/or pattern.



PLAN VIEW OF THE BLANK FOR A PUNNET

21: F2022/00508 22: 2022-05-12 23:  
 43: 2022-05-12  
 52: Class 25 24: Part F  
 71: VAN DAM, Rodney Cornel  
**54: Building units and construction elements**  
 57: The design is for a channel. The channel is a lip c-channel made of steel, including a web, two opposite, parallel flanges and two lips. Along each

flange is a series of elongate, transverse perforations each defining on the inside of the channel a slot disposed perpendicularly to the web. The channel may serve as both a formwork member and a reinforcement member for a cast in-situ beam or a precast beam. The slots permit limited passage of wet concrete during casting of the beam so as to enhance interlock bonding between the concrete and the channel. The longitudinal pitch spacing between the slots is greater than 45mm and is preferably 50mm.



21: F2022/00512 22: 2022-05-12 23:  
43: 2022-11-14

52: Class 24 24: Part F  
71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

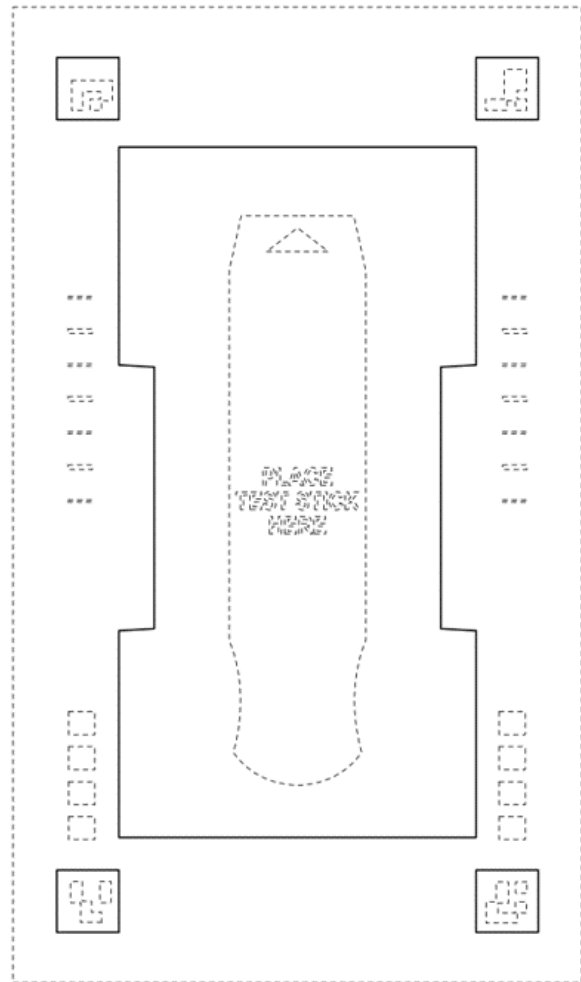
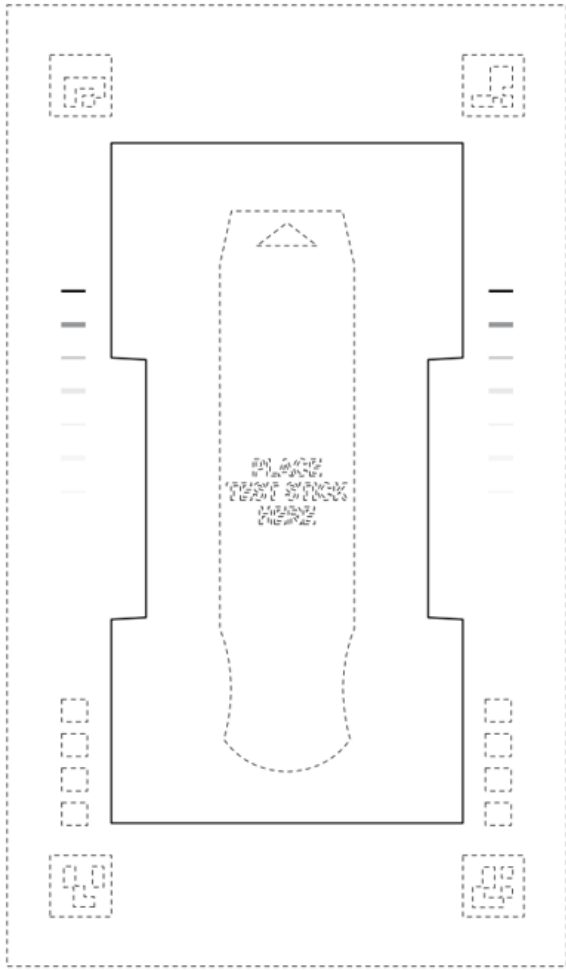
21: F2022/00513 22: 2022-05-12 23:  
43: 2022-11-14

52: Class 24 24: Part F  
71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2022/00514 22: 2022-05-12 23:  
43: 2022-11-14

52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

21: F2022/00515 22: 2022-05-12 23:  
43: 2022-11-14

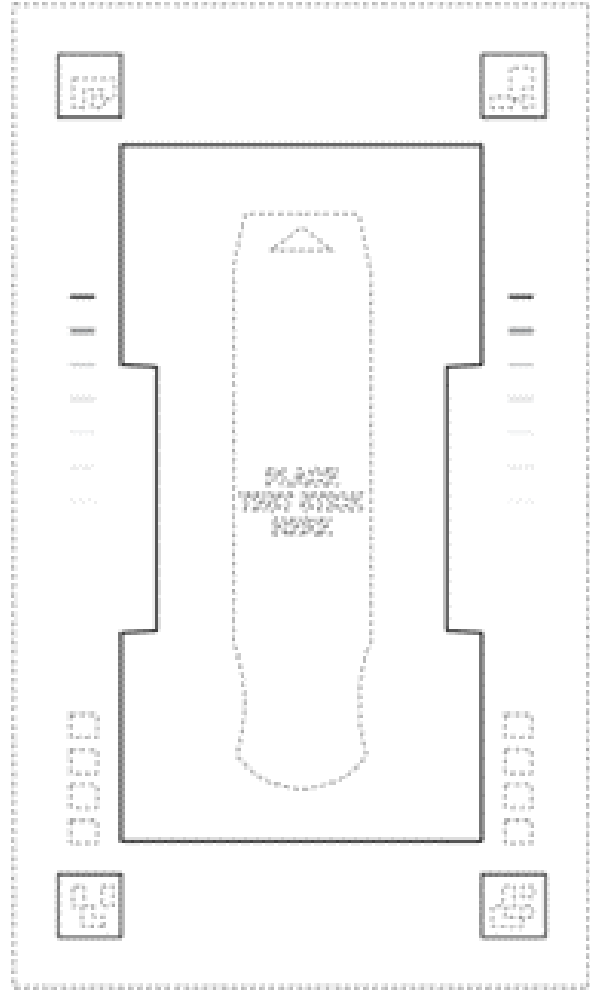
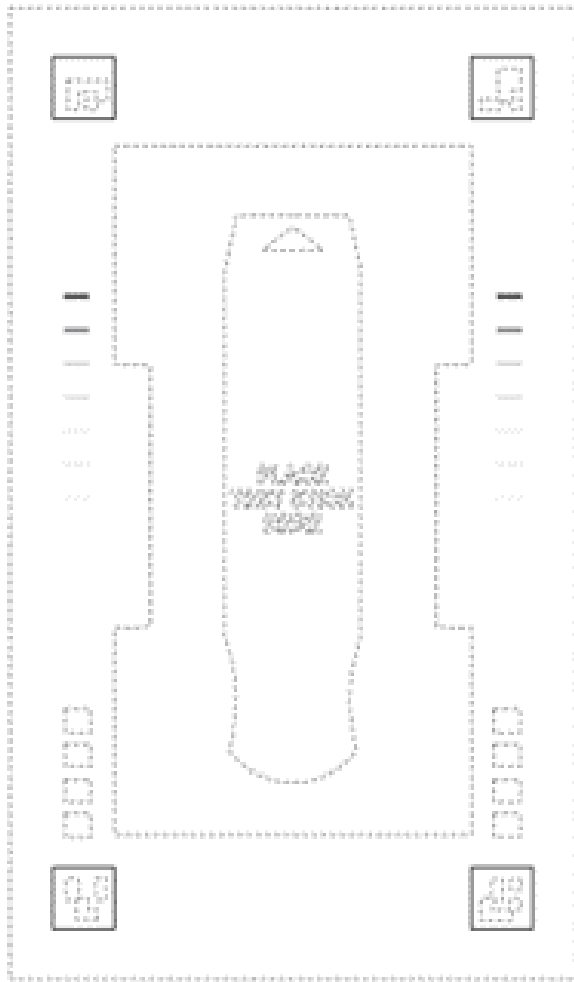
52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2022/00516 22: 2022-05-12 23:  
43: 2022-11-14

52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

21: F2022/00517 22: 2022-05-12 23:  
43: 2022-11-14

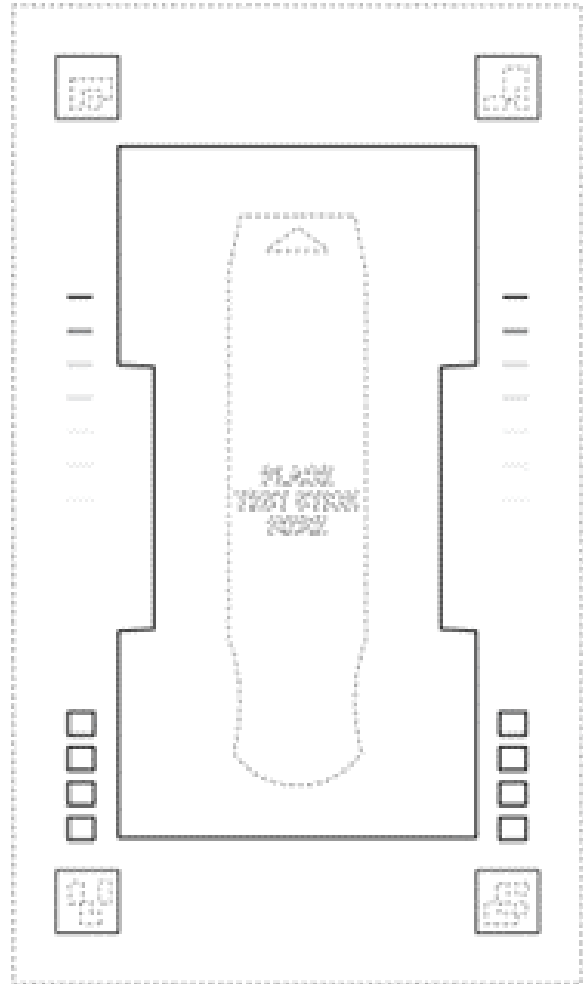
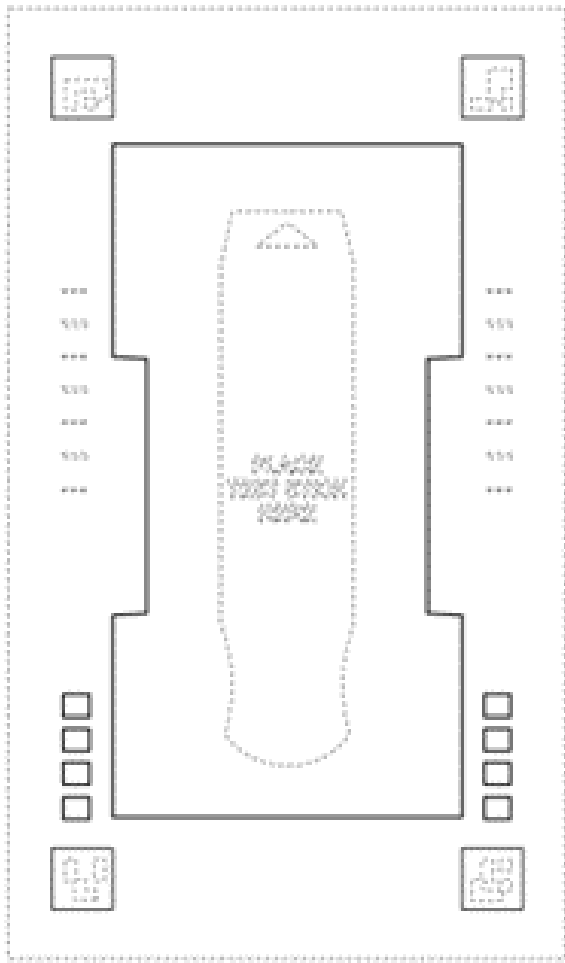
52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2022/00518 22: 2022-05-12 23:  
43: 2022-11-14

52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

21: F2022/00519 22: 2022-05-12 23:  
43: 2022-11-14

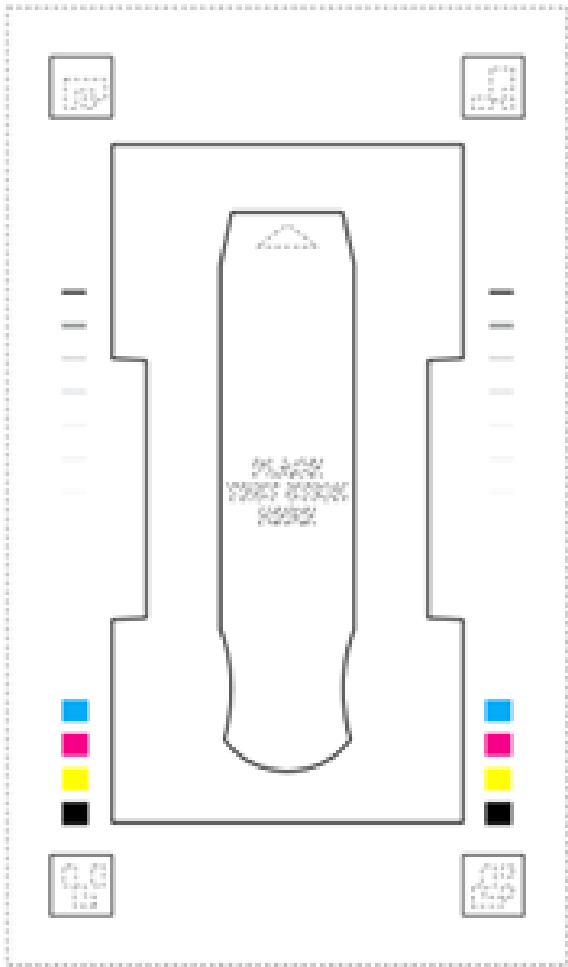
52: Class 24 24: Part F

71: SCANWELL HEALTH, INC.

33: US 31: 29/816279 32: 2021-11-19

**54: SCAN CARD FOR IN VITRO ASSAY**

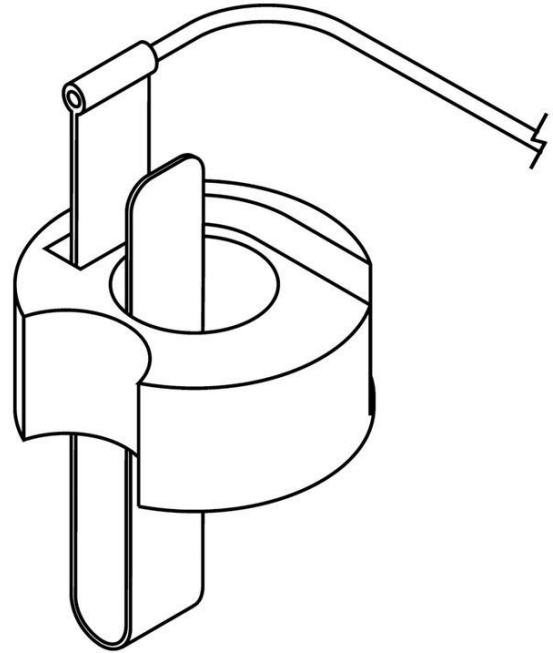
57: The design is applied to a scan card for in vitro assay. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scan card for in vitro assay, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2022/00550 22: 2022-05-20 23:  
43: 2022-12-06  
52: Class 13 24: Part F  
71: SYMION AUTOMATION AND ENERGY (PTY)  
LTD

**54: ADAPTER**

57: The design is applied to an adapter. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the adapter, substantially as illustrated in the accompanying representations. Separations depicted by break lines indicate an indeterminate length and any portions between the break lines do not form part of the design and are disclaimed.



21: F2022/00560 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

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21: F2022/00561 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00562 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00570 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00571 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.





FIRST PERSPECTIVE VIEW

---

21: F2022/00572 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00573 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00574 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

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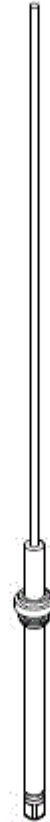
21: F2022/00576 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW

---

21: F2022/00577 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



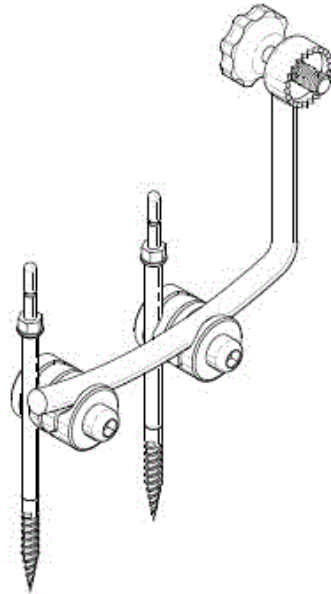
FIRST PERSPECTIVE VIEW

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21: F2022/00578 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus  
**54: SURGICAL GUIDE PIN**  
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin, substantially as illustrated in the accompanying representations.



FIRST PERSPECTIVE VIEW



FIRST PERSPECTIVE VIEW

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21: F2022/00579 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL MOUNT**

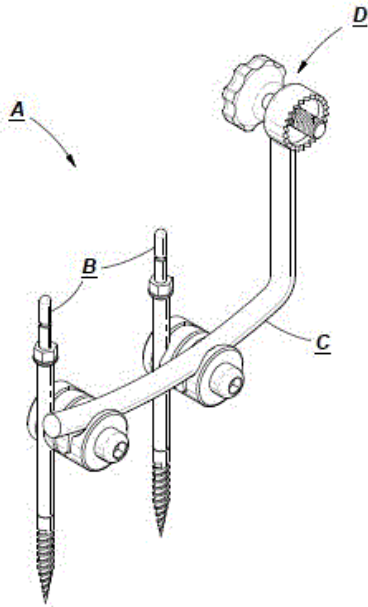
57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical mount, substantially as illustrated in the accompanying representations.

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21: F2022/00580 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL MOUNT**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical mount A (comprising legs B, a crossbeam C and a connector D for apparatus to be mounted) substantially as illustrated in the accompanying representations, irrespective of the shape and/or configuration of the crossbeam C and the connector D.

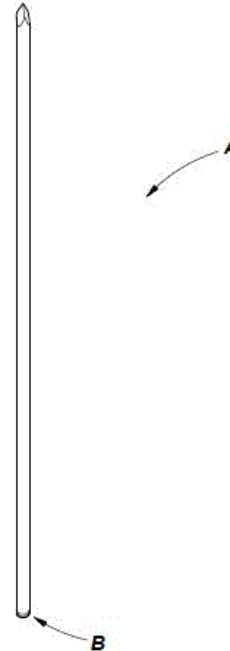


FIRST PERSPECTIVE VIEW

21: F2022/00581 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin A (having a threaded end region B) substantially as illustrated in the accompanying representations, irrespective of the length of the threaded end region B.

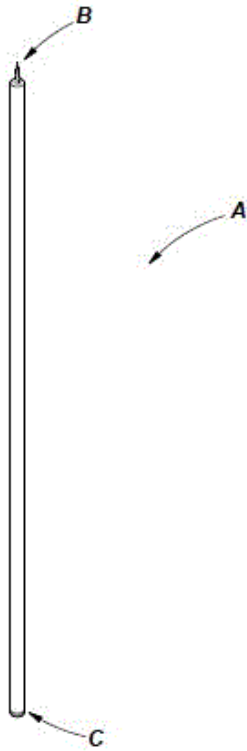


FIRST PERSPECTIVE VIEW

21: F2022/00582 22: 2022-05-24 23:  
43: 2022-12-06  
52: Class 24 24: Part F  
71: BECKER, Gert Stephanus

**54: SURGICAL GUIDE PIN**

57: The features of the design for which protection is claimed comprise the shape and/or configuration of a surgical guide pin A (having threaded end regions B and C) substantially as illustrated in the accompanying representations, irrespective of the length of threaded end regions B and C.



FIRST PERSPECTIVE VIEW

21: F2022/01522 22: 2022-11-24 23:  
43: 2022-12-02  
52: Class 25 24: Part F  
71: John William Cussons

**54: SOLAR TRACKING ARRAY FRAME**

57: The design relates to a Solar tracking array frame. The features of the design are those of shape and/or pattern and/or configuration.

**HYPOTHECATIONS**

No records available

**JUDGMENTS**

No records available

**OFFICE PRACTISE NOTICES**

No records available

# 4. COPYRIGHT



## COPYRIGHT IN CINEMATOGRAPH FILMS

## NOTICES OF ACCEPTANCE

**(Applications filed in terms of Act No. 62 of 1977)**

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2023/00001. 22: 2023/01/13 43: 2023/01/13

24: 2019/06/30 to 2020/07/30; JOHANNESBURG

25: 2020/07/31; NETFLIX

71: BURNT ONION PRODUCTIONS

471 JAN SMUTS AVENUE, RANDBURG, 2194,  
South Africa

75: LWAZI MVUSI1 HERBET RD, PETERVALE, ZA,  
2191, Email: LWAZI02@GMAIL.COM

76: RETHABILE RAMAPHAKELA; KATLEHO  
RAMAPHAKELA; TSHEPO  
RAMAPHAKELA

77: RETHABILE RAMAPHAKELA; KATLEHO  
RAMAPHAKELA

54: SERIOUSLY SINGLE

78: FULU MUGOVHANI; TUMI MORAKE; BOHANG  
MOEKO; YONDA THOMAS

26: N/A

55: Specimen lodged/Not lodged.

56: Preview Requested/Not requested

57: Serial monigamist, Dineo's fantasy that she has finally met the love of her life is shattered when he marries another woman and she has to face what she dreads the most - life as a single woman.

**58: CO**

**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**

No records available

**COPYRIGHT CORRECTION NOTICES**

No records available

## PATENTS

## Advertisement List for January 2023

Number of Advertised Patents: 510

Application Number	Patent Title	Filing Date
2013/01709	HUMANIZED ANTI-FACTOR D ANTIBODIES AND USES THEREOF	2013/03/06
2014/04401	METHOD FOR EXPANDING THE DIAMETER OF A METAL CONTAINER	2014/06/13
2014/05356	METHOD AND DEVICE FOR MOISTURE DETERMINATION AND CONTROL	2014/07/21
2014/05618	OLIGONUCLEOTIDES AND METHODS FOR DETERMINING A PREDISPOSITION TO SOFT TISSUE INJURIES	2014/07/29
2015/05813	BIOLOGICALLY ACTIVE MOLECULES, CONJUGATES THEREOF, AND THERAPEUTIC USES	2015/08/13
2015/06438	GAMMA-DIKETONES AS WNT/BETA - CATENIN SIGNALING PATHWAY ACTIVATORS	2015/09/02
2015/06800	TRANSFER DEVICE VALVE	2015/09/14
2015/08847	SERINE/THREONINE KINASE INHIBITORS	2015/12/03
2016/01967	NOVEL PEPTIDES AND ANALOGS FOR USE IN THE TREATMENT OF ORAL MUCOSITIS	2016/03/22
2016/07068	METHODS FOR TREATING HYPERSOMNIA	2016/10/13
2016/08103	METHOD AND DEVICE FOR CALIBRATING POSITIONING AND ORIENTATION SYSTEM OF COAL MINING MACHINE BASED ON LASER SCAN	2016/11/23
2017/03939	INTERNALLY HOLLOW BODY, MOULD AND MANUFACTURING METHOD THEREOF	2017/06/08
2017/04839	DETECTION AND TREATMENT OF MALIGNANT TUMOURS IN THE CNS	2017/07/17
2017/05176	MAGNESIUM-CONTAINING OXYTOCIN FORMULATIONS AND METHODS OF USE	2017/07/31
2017/05297	METHODS AND SYSTEMS FOR THE DETECTION AND REMOVAL OF PATHOGENS FROM BLOOD	2017/08/04
2017/05873	BACTERIA ENGINEERED TO TREAT DISEASES THAT BENEFIT FROM REDUCED GUT INFLAMMATION AND/OR TIGHTENED GUT MUCOSAL	2017/08/29

Application Number	Patent Title	Filing Date
	BARRIER	
2017/08311	FOLDABLE CONTAINER	2017/12/07
2018/01872	USE OF TRIENTINE TO DELIVER COPPER TO ISCHEMIC TISSUE	2018/03/20
2018/01906	ROCK BOLT INSTALLATION TOOL	2018/03/22
2018/02149	ADAPTIVE SHARPENING FILTER FOR PREDICTIVE CODING	2018/04/03
2018/02498	OZONOLYSIS FOR ACTIVATION OF COMPOUNDS AND DEGRADATION OF OZONE	2018/04/16
2018/02874	COATED GRANULAR FERTILIZERS, METHODS OF MANUFACTURE THEREOF, AND USES THEREOF	2018/05/02
2018/02957	ROCK BOLT ASSEMBLY WITH FAILURE ARRESTOR	2018/05/07
2018/03354	INOSITOL DERIVATIVES FOR USE IN PATHOLOGICAL CRYSTALLIZATION	2018/05/21
2018/03551	PERSONAL CARE COMPOSITION COMPRISING TAURINE, ARGININE, GLYCINE	2018/05/29
2018/03626	ROCK BOLT WITH WATER IMPENETRABLE SHEATH	2018/05/31
2018/03680	POLYELECTROLYTE-LAYER FORMING BLOCK COPOLYMERS AND COMPOSITIONS AND USES THEREOF	2018/06/01
2018/03962	GENE THERAPY FOR RECESSIVE DYSTROPHIC EPIDERMOLYSIS BULLOSA USING GENETICALLY CORRECTED AUTOLOGOUS KERATINOCYTES	2018/06/13
2018/05158	CARBAPENEM COMPOUNDS	2018/07/31
2018/05346	METHODS AND DEVICES TO REDUCE DAMAGING EFFECTS OF CONCUSSIVE OR BLAST FORCES ON A SUBJECT	2018/08/10
2018/05351	IMPROVED TREATMENT OF IMPLANTS WITH PHOSPHONIC ACID COMPOUNDS	2018/08/10
2018/05516	MOUNTING BRACKET ASSEMBLIES AND METHODS	2018/08/17
2018/05524	POLYMERIC COMPOSITIONS WHICH MINIMIZE PHOSPHATE FIXATION	2018/08/17
2018/05547	NOVEL ANTIGEN FOR USE IN MALARIA VACCINE	2018/08/20
2018/05575	FACTOR 1 INDUCTIVE SENSOR DEVICE	2018/08/21
2018/05648	TARGETED THERAPEUTIC LYSOSOMAL ENZYME FUSION PROTEINS, ASSOCIATED FORMULATIONS AND USES THEREOF	2018/08/23
2018/05811	HYPERSENSITIVE RESPONSE	2018/08/29

Application Number	Patent Title	Filing Date
	ELICITOR-DERIVED PEPTIDES AND USE THEREOF	
2018/05813	A METHANOL SYNTHESIS PROCESS LAYOUT FOR LARGE PRODUCTION CAPACITY	2018/08/29
2018/05853	SPECIFIC CONJUGATION LINKERS, SPECIFIC IMMUNOCONJUGATES THEREOF, METHODS OF MAKING AND USES SUCH CONJUGATES THEREOF	2018/08/30
2018/05876	LATERALLY EXPANDABLE PHOTOVOLTAIC DEVICE AND SOLAR POWERED AUTOMOBILE	2018/08/31
2018/05990	NOVEL ANTI-LAM AND ANTI-PIM6/LAM MONOCLONAL ANTIBODIES FOR DIAGNOSIS AND TREATMENT OF MYCOBACTERIUM TUBERCULOSIS INFECTIONS	2018/09/06
2018/06006	ADAPTED GROUT DELIVERY SLEEVE	2018/09/07
2018/06060	EXCISION OF RETROVIRAL NUCLEIC ACID SEQUENCES	2018/09/10
2018/06135	METHOD FOR CONTINUOUSLY CONVERTING NICKEL-CONTAINING COPPER SULPHIDE MATERIALS	2018/09/13
2018/06214	METHOD FOR PRODUCING LOW MOLECULAR WEIGHT AROMATIC LIGNIN-DERIVED COMPOUNDS	2018/09/14
2018/06449	INTEGRAL MEMBRANE PROTEIN DISPLAY ON POXVIRUS EXTRACELLULAR ENVELOPED VIRIONS	2018/09/27
2018/07030	BEAM FORMING USING AN ANTENNA ARRANGEMENT	2018/10/22
2018/07427	BLAST BARRICADE	2018/11/06
2018/07745	PERSONAL DENTAL CARE PRODUCT FOR CARIES TREATMENT	2018/11/16
2018/08639	PYRAZOLE DERIVATIVES AS PLASMA KALLIKREIN INHIBITORS	2018/12/20
2019/02119	PROCESS FOR THE PREPARATION OF FREEZE-DRIED 2-[(3-AMINOPROPYL)AMINO]ETHANETHIOL FORMULATION	2019/04/04
2019/02276	HEAT ENGINE WITH A DYNAMICALLY CONTROLLABLE HYDRAULIC OUTLET	2019/04/10
2019/03016	MOLECULAR RHEOSTAT FOR COFACTOR BALANCE	2019/05/14
2019/04013	TWO-PART MEDIATOR PROBE	2019/06/20
2019/04386	S-ARRESTIN PEPTIDES AND THERAPEUTIC USES THEREOF	2019/07/03
2019/04666	VALVE FOR FILLING AND EMPTYING A PRESSURISED PET CONTAINER	2019/07/16

Application Number	Patent Title	Filing Date
2019/05937	MULTIPLE SCLEROSIS ASSOCIATED AUTOANTIGENS, AND USE THEREOF IN THERAPY AND DIAGNOSIS	2019/09/09
2019/06677	360-DEGREE VIDEO CODING USING FACE CONTINUITIES	2019/10/09
2019/06851	ASSEMBLY OF AN INLINER AND A TANK CONTAINER	2019/10/17
2019/07284	MODULAR SYSTEM FOR INVENTORY AND TRANSPORT EFFICIENCY OF PACKAGING	2019/11/01
2019/08082	CIRCUIT BREAKER	2019/12/05
2019/08137	A DISPLAY FRAME	2019/12/09
2020/00097	METHODS OF TREATING TUMOR METASTASIS	2020/01/07
2020/00462	APPARATUS FOR GENERATING ENERGY	2020/01/23
2020/00955	METHOD OF PREPARING CONTAINERS FOR BLOOD-DERIVED PRODUCTS	2020/02/14
2020/00963	DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA	2020/02/14
2020/01253	LEAKPROOF AND LIQUID-TIGHT PACKAGING BOX OF CORRUGATED BOARD AND METHOD FOR FABRICATING IT	2020/02/27
2020/01419	METHOD FOR STITCHING A MULTI-LAYER GARMENT LINING	2020/03/05
2020/01506	METHOD AND DEVICE FOR EFFICIENTLY DISTRIBUTING A BIT-BUDGET IN A CELP CODEC	2020/03/10
2020/02029	BINDER FOR CELLULOSE-CONTAINING MATERIALS	2020/05/04
2020/02141	ANTI-TRANSTHYRETIN ANTIBODIES	2020/05/04
2020/02305	METHOD OF DIAGNOSIS OF ADRENAL INSUFFICIENCY	2020/05/04
2020/02331	REMOTELY CONTROLLABLE AERONAUTICAL ORDNANCE	2020/05/04
2020/02395	METHOD FOR REDUCING LOW SPEED PRE-IGNITION	2020/05/04
2020/02831	ACTIVE COMPOUND COMBINATIONS HAVING INSECTICIDAL/ACARICIDAL PROPERTIES	2020/05/15
2020/02849	N4-HYDROXYCYTIDINE AND DERIVATIVES AND ANTI-VIRAL USES RELATED THERETO	2020/05/15
2020/02877	USING TELEMATICS DATA TO IDENTIFY A TYPE OF A TRIP	2020/05/18
2020/02917	COLORLED FIBER CEMENT PRODUCTS AND METHODS FOR THE PRODUCTION THEREOF	2020/05/19
2020/03372	ANIMAL FEED MATERIAL	2020/06/05



Application Number	Patent Title	Filing Date
2020/03387	ANTIMICROBIAL PEPTIDES AND METHODS OF USING SAME	2020/06/05
2020/03483	5-(2-(2,5-DIFLUOROPHENYL)PYRROLIDIN-1-YL)-3-(1H-PYRAZOL-1-YL)PYRAZOLO[1,5-A]PYRIMIDINE DERIVATIVES AND RELATED COMPOUNDS AS TRK KINASE INHIBITORS FOR TREATING CANCER	2020/06/10
2020/03529	QUASI-RESONANT FLYBACK CONVERTER FOR AN INDUCTION-BASED AEROSOL DELIVERY DEVICE	2020/06/12
2020/03683	ENANTIOMERIC SEPARATION OF RACEMIC NICOTINE BY ADDITION OF AN O,O'-DISUBSTITUTED TARTARIC ACID ENANTIOMER	2020/06/18
2020/03695	ANTI-NEUROFILIN ANTIGEN-BINDING PROTEINS AND METHODS OF USE THEREOF	2020/06/19
2020/03899	DOSAGE FORMS COMPRISING A PLASMA KALLIKREIN INHIBITOR	2020/06/26
2020/03938	BATTERY SWAPPING STATION AND CONTROL METHOD THEREFOR	2020/06/29
2020/03998	EXTRACTION FITTING FOR LIQUID CONTAINERS	2020/06/30
2020/04040	SUBSTITUTED PYRAZOLO[1,5-A]PYRIDINE COMPOUNDS AS RET KINASE INHIBITORS	2020/07/02
2020/04155	ISOXAZOLINE PARASITICIDE FORMULATIONS AND METHODS FOR TREATING BLEPHARITIS	2020/07/07
2020/04256	SYSTEM AND METHOD FOR MULTI-PARTY GENERATION OF BLOCKCHAIN-BASED SMART CONTRACT	2020/07/10
2020/04459	PERSONAL HYGIENE PRODUCT WITH A DIGITAL ELEMENT	2020/07/20
2020/04497	PROCESS OF MAKING SOMATOSTATIN MODULATORS	2020/07/21
2020/04538	INFLUENZA VIRUS VACCINES AND USES THEREOF	2020/07/22
2020/04582	LONG-ACTING INJECTABLE FORMULATIONS AND CRYSTALLINE FORMS OF BUPRENORPHINE DERIVATIVES	2020/07/23
2020/04854	HVS AND PAP SMEAR TESTING APPARATUS	2020/08/05
2020/04985	SYSTEMS AND METHODS FOR UNDERGROUND PIPE INSTALLATION	2020/08/12
2020/06089	HIGH-RELEASE BARRIER COATED PAPER WRAPPER FOR CANDIES AND GUM WHICH EXCLUDE THE USE	2020/10/01

Application Number	Patent Title	Filing Date
	OF HOT WAX AND A METHOD FOR PREPARATION THEREOF	
2020/06262	STABLE ANTIBODY FORMULATION	2020/10/08
2020/06441	PROCESS FOR PREPARING MODULATORS OF P300 AND/OR CBP	2020/10/16
2020/06444	SYSTEMS AND METHODS FOR GENERATING AND UPDATING DYNAMIC DIGITAL TICKETS WITHIN A DIGITAL BOARD	2020/10/16
2020/06506	ROOF TILE AND METHOD FOR PRODUCING A ROOF TILE	2020/10/20
2020/06639	METHOD AND SYSTEM FOR USE IN COLOURISATION OF A POINT CLOUD	2020/10/26
2020/06681	TRACKING DEVICE	2020/10/27
2020/07183	COMPOSITIONS AND METHODS FOR TREATING THE EYE	2020/11/18
2020/07307	NLRP3 MODULATORS	2020/11/24
2020/07357	LIPOLYTIC ENZYME VARIANTS	2020/11/25
2020/07405	SMART DISPERSION SYSTEM	2020/11/27
2020/07487	RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME	2020/12/01
2020/07697	A SYNTHESIS METHOD OF CARBON NITRIDE-METAL CHALCOGENIDE COMPOSITE	2020/12/09
2020/07811	FLAT SHEET POROUS MEMBRANE	2020/12/15
2021/00620	SYSTEM AND METHOD FOR DETECTING AND IDENTIFYING POWER LINE CARRIER CONTROLLED DEVICES WITHIN AN IRRIGATION SYSTEM	2021/01/28
2021/01199	COCKTAIL BEVERAGE CHILLING AND DISPENSING SYSTEM	2021/02/23
2021/01320	METHOD FOR PRODUCTION OF AT LEAST ONE TANNIC PRODUCT AND A BARK PRODUCT WITH ENHANCED FUEL VALUE	2021/02/26
2021/01517	MITORIBOSCINS: MITOCHONDRIAL-BASED THERAPEUTICS TARGETING CANCER CELLS, BACTERIA, AND PATHOGENIC YEAST	2021/03/05
2021/01610	WAVE POOL AND WAVE GENERATOR FOR BI-DIRECTIONAL AND DYNAMICALLY-SHAPED SURFING WAVES	2021/03/10
2021/01761	GRAVITY FED SMOKER	2021/03/16
2021/01781	PROCESS FOR PRODUCING CYCLOHEXANOL AND CYCLOHEXANONE BY CYCLOHEXANE OXIDATION	2021/03/17
2021/01782	PROCESS FOR PRODUCING CYCLOHEXANOL AND	2021/03/17

Application Number	Patent Title	Filing Date
	CYCLOHEXANONE BY CYCLOHEXANE OXIDATION	
2021/02152	VIDEO PICTURE PREDICTION METHOD AND APPARATUS	2021/03/30
2021/02236	CONSTANT TEMPERATURE CIRCULAR ACCELERATED AND COMPACTED TESTING SYSTEM	2021/04/01
2021/02281	APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS	2021/04/06
2021/02283	APPARATUS AND METHOD FOR COATING SUBSTRATES WITH WASHCOATS	2021/04/06
2021/02322	OROMUCOSAL SOLUTIONS OF ZOLPIDEM OR PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF	2021/04/08
2021/02326	PROCESS FOR THE RECOVERY OF LITHIUM	2021/04/08
2021/02361	COMPACT HEARING AIDS	2021/04/09
2021/02424	SYSTEM FOR THE TRANSMISSION OF LIQUIDS IN A ROTATABLE BUILDING	2021/04/13
2021/02493	A HOOK FOR A TUFTING MACHINE	2021/04/15
2021/02494	NEW COMBINATION SOLUTION FOR TREATING CHEMOTHERAPY REFRACTORY CANCER	2021/04/15
2021/02548	ONION FLAVOUR COMPOSITION AND METHOD FOR THE PREPARATION THEREOF	2021/04/16
2021/02550	DETERGENT COMPOSITION	2021/04/16
2021/02551	DETERGENT COMPOSITION	2021/04/16
2021/02579	NOVEL TRIPLE-HELICAL POLYPEPTIDES LACKING BINDING AFFINITY FOR THE FC DOMAIN OF IMMUNOGLOBULIN AND USES THEREOF	2021/04/19
2021/02581	DETERGENT COMPOSITION	2021/04/19
2021/02590	CAST-IN TRACK SYSTEM COMPONENT BUSHING	2021/04/19
2021/03094	IMPROVEMENTS ON HISTORY- BASED MOTION VECTOR PREDICTOR	2021/05/07
2021/03232	COMPOSITION THAT ATTRACTS THE SPECIES DELOTTOCOCCUS ABERIAE AND METHODS FOR DETECTING, MONITORING AND/OR CONTROLLING THE PEST	2021/05/12
2021/03260	PYRIDAZINONE COMPOUNDS AND USES THEREOF	2021/05/13
2021/03266	FOOD COMPOSITION	2021/05/13
2021/03283	BATCH INLET AND CLEANING DEVICE FOR GLASS MELTER	2021/05/14

Application Number	Patent Title	Filing Date
2021/03288	DEVICE AND METHOD FOR OBSERVING A SCENE COMPRISING A TARGET	2021/05/14
2021/03427	SYRINGE SUITABLE FOR HYDROGEN PEROXIDE SOLUTION AND KIT THEREOF	2021/05/20
2021/03456	ANTI-ALPHA-SYNUCLEIN ANTIBODIES	2021/05/21
2021/03497	24-EPIBRASSINOLIDE (EBL) AND ENVIRONMENTALLY-FRIENDLY EBL-CONTAINING PREPARATION FOR PREVENTING AND TREATING CAMELLIA SINENSIS ANTHRACNOSE	2021/05/24
2021/03498	TEBIPENEM PIVOXIL CRYSTALLINE FORMS, COMPOSITIONS INCLUDING THE SAME, METHODS OF MANUFACTURE, AND METHODS OF USE	2021/05/24
2021/03554	AGENT FOR INHIBITING IRON UPTAKE INTO CELLS	2021/05/25
2021/03559	A PUMP ASSEMBLY	2021/05/25
2021/03562	METHOD FOR CONSTRUCTION OF SUGARCANE BROWN RUST RESISTANCE GENE MAPPING GENETIC SEGREGATION COLONY	2021/05/25
2021/03584	COAL POWDER PRETREATMENT METHOD AND COAL POWDER GASIFICATION METHOD	2021/05/26
2021/03585	DRINKING CUP	2021/05/26
2021/03586	SYNCHRONIZATION OF CONVEYOR BELT AND DRIVE BELT OF AN INCLINED CONVEYOR	2021/05/26
2021/03598	GAS FLOW AND SOUND CONTROL VALVE AND EXHAUST GAS SYSTEM	2021/05/26
2021/03601	FILTER ASSEMBLY, KIT AND METHODS	2021/05/26
2021/03730	APPARATUS FOR SERVICING A STRUCTURE	2021/05/31
2021/03791	AMINO-ACID ANILIDES AS SMALL MOLECULE MODULATORS OF IL-17	2021/06/02
2021/03792	DRILL BIT ASSEMBLY FOR PERCUSSION DRILL TOOLS	2021/06/02
2021/03825	AGGLOMERATED COMPOSITION COMPRISING AN EDIBLE SOLID PARTICULATE COMPONENT AND A POTATO STARCH	2021/06/03
2021/03826	DEPOSITION SYSTEM FOR HAIR	2021/06/03
2021/03827	LIQUID HAND DISHWASH FORMULATION COMPRISING FATTY ACIDS AND POLYMER	2021/06/03
2021/03869	A CAP FOR A CONTAINER, COMBINATION OF A CAP AND A	2021/06/04

Application Number	Patent Title	Filing Date
	NECK OF THE CONTAINER AND ITS PRODUCTION METHOD	
2021/03909	SYSTEM FOR SCREENING VEHICLES AND METHOD OF RADIOSCOPIC CONTROL OF MOVING OBJECTS	2021/06/07
2021/04010	LIGANDS FOR PRODUCTION OF 1-OCTENE IN CHROMIUM ASSISTED ETHYLENE OLIGOMERIZATION PROCESS	2021/06/10
2021/04020	AN APPARATUS FOR ASSESSING, CONTROLLING AND TRANSPORTING CONSTRUCTION MATERIALS	2021/06/10
2021/04083	VIRAL INACTIVATION METHODS FOR CONTINUOUS MANUFACTURING OF ANTIBODIES	2021/06/14
2021/04148	APPARATUS WITH MULTI-STAGE CROSS FLOW MEMBRANE FILTRATION	2021/06/17
2021/04185	MECHANICAL DISC METER WITH VARIABLE ASSEMBLY ARTICULATION POINT	2021/06/18
2021/04198	METHOD FOR PATINATING ZINC SURFACES AND SYSTEM THEREFOR	2021/06/18
2021/04253	MEDICAL FASTENING DEVICE FOR THE FASTENING OF GRAFTS	2021/06/21
2021/04254	TRIPLE COMBINATION THERAPIES FOR ANTI-AGING	2021/06/21
2021/04255	TRIPLE COMBINATION THERAPIES FOR TARGETING MITOCHONDRIA AND KILLING CANCER STEM CELLS	2021/06/21
2021/04331	SMALL-SCALE ROBOTS FOR BIOFILM ERADICATION	2021/06/23
2021/04332	CALCINEURIN INHIBITOR RESISTANT IMMUNE CELLS FOR USE IN ADOPTIVE CELL TRANSFER THERAPY	2021/06/23
2021/04334	PICTURE CODING DEVICE, PICTURE CODING METHOD, PICTURE DECODING DEVICE, AND PICTURE DECODING METHOD	2021/06/23
2021/04344	NUT-CRACKING APPARATUS	2021/06/24
2021/04358	PRODUCTION OF LITHIUM CHEMICALS AND METALLIC LITHIUM	2021/06/24
2021/04359	CONVEYING DEVICE, PROCESSING INSTALLATION, METHOD FOR CONVEYING AND/OR PROCESSING OBJECTS	2021/06/24
2021/04360	IMMUNOGLOBULIN BINDING PROTEINS FOR AFFINITY PURIFICATION	2021/06/24
2021/04362	ITACONATE SURFACTANTS	2021/06/24
2021/04363	A COMPOSITION FOR THE	2021/06/24

Application Number	Patent Title	Filing Date
	TREATMENT OF PERIODONTITIS AND REGENERATION OF INTERDENTAL PAPILLA	
2021/04402	HETEROCYCLIC COMPOUND	2021/06/25
2021/04403	TABLET AND METHOD OF PREPARING SAME	2021/06/25
2021/04407	POWER GENERATION SYSTEM	2021/06/25
2021/04457	A METHOD AND ARRANGEMENT IN A CONTINUOUS PULP PRODUCTION PROCESS	2021/06/28
2021/04494	NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS	2021/06/29
2021/04518	CD3 ANTIBODY AND PHARMACEUTICAL USE THEREOF	2021/06/29
2021/04520	RECOMBINANT HUMAN 2IG-B7-H3 PROTEIN CODING GENE, RECOMBINANT VECTOR, HOST CELL COMPRISING THE SAME, PHARMACEUTICAL COMPOSITION AND USE THEREOF	2021/06/29
2021/04521	ARTIFICIAL PROMISCUOUS T HELPER CELL EPITOPES AS IMMUNE STIMULATORS FOR SYNTHETIC PEPTIDE IMMUNOGENS	2021/06/29
2021/04523	URBAN PERFORMANCE VENUE FOR THE PROVISION OF ENTERTAINMENT TO AN AUDIENCE IN A BEACH THEMED SETTING	2021/06/29
2021/04525	TRANSFORMATION AND CONSTRUCTION METHOD FOR CREATING A TROPICAL STYLE SWIMMING LAGOON AT THE INFIELD OF RACING AND/OR ACTIVITY CIRCUITS	2021/06/29
2021/04550	CONTROL DEVICE FOR CONTROLLING REAL OR VIRTUAL AIRBORNE OBJECTS	2021/06/30
2021/04566	ROCK DRILLING ARRANGEMENT AND MACHINE	2021/06/30
2021/04575	PERMANENT ECO-FERTILIZER AGAINST FRUIT PHYSIOLOGICAL DISORDERS AND PESTS	2021/06/30
2021/04605	TRIAL INSERT ASSEMBLY	2021/07/01
2021/04628	HANDLING RADIO RESOURCE CONTROL REJECTIONS	2021/07/02
2021/04676	COMPOSITIONS AND METHODS FOR TREATING HEMOGLOBINOPATHIES	2021/07/05
2021/04677	BREATH ALCOHOL CONTENT DEVICE SECURITY AND SENSING	2021/07/05
2021/04693	IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION	2021/07/06

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	OPTIMIZATION	
2021/04708	CLEANING DEVICE FOR AN APPLICATION DEVICE	2021/07/06
2021/04709	METHODS OF TREATING DISEASE WITH MAGL INHIBITORS	2021/07/06
2021/04710	PLUG CLOSURE	2021/07/06
2021/04711	BATTERY PARTS HAVING SOLVENTLESS ACID BARRIERS AND ASSOCIATED SYSTEMS AND METHODS	2021/07/06
2021/04719	A PROBIOTIC FEED COMPOSITION AND A PROCESS FOR MAKING THE COMPOSITION	2021/07/06
2021/04743	RECYCLABLE CONTAINER VERIFICATION SYSTEM	2021/07/07
2021/04749	METHOD FOR ROASTING COFFEE BEANS	2021/07/07
2021/04750	METHOD FOR ROASTING COFFEE BEANS	2021/07/07
2021/04787	PRESERVATIVE SYSTEMS AND COMPOSITIONS COMPRISING THEM	2021/07/08
2021/04815	FIRING METHOD FOR A SET OF ELECTRONIC DETONATORS	2021/07/09
2021/04816	INORGANIC FIBER FORMED BODY, MAT FOR EXHAUST GAS PURIFICATION DEVICE, AND EXHAUST GAS PURIFICATION DEVICE	2021/07/09
2021/04819	HIGH WATER HARD BARS COMPRISING COMBINATION OF TYPE AND AMOUNT OF ELECTROLYTES	2021/07/09
2021/04866	GRINDING DISC AND USE OF SUCH A GRINDING DISC	2021/07/12
2021/04870	METHODS AND COMPOSITIONS FOR TREATING CANCER	2021/07/12
2021/04888	FURNITURE PIECE WITH PLASTIC SPACERS FOR DRAWER SLIDES	2021/07/12
2021/04889	PURIFICATION OF OIL	2021/07/12
2021/04890	A METHOD AND SYSTEM FOR CIRCULAR USE OF INDUSTRIAL OIL	2021/07/12
2021/04921	METHOD FOR THE MANUFACTURING OF CHITIN DERIVATIVES THROUGH TREATMENT WITH ULTRASOUNDS	2021/07/13
2021/04969	COMPOSITIONS COMPRISING 15-HEPE AND METHODS OF USING THE SAME	2021/07/15
2021/04973	BRAKE SYSTEM FOR A VEHICLE	2021/07/15
2021/04989	MONOCLONAL ANTIBODIES SPECIFIC FOR THE PB2 ANTIGEN OF THE HUMAN INFLUENZA VIRUS (FLU), NUCLEOTIDE SEQUENCES, METHOD	2021/07/15

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	AND DIAGNOSTIC KIT FOR FLU INFECTION	
2021/04990	MONOCLONAL ANTIBODY OR ANTIGEN BINDING FRAGMENT THEREOF THAT BINDS TO THE L PROTEIN OF THE HUMAN PARAINFLUENZA VIRUS (PIV); METHOD AND KIT FOR DETECTING PIV	2021/07/15
2021/04991	SENSOR ARRANGEMENT AND OPTIMIZED TRACKING FOR CSP SYSTEMS	2021/07/15
2021/04992	TRIM STRUCTURE FOR A DOOR	2021/07/15
2021/04993	COMPLEX OF GADOLINIUM AND A CHELATING LIGAND DERIVED OF A DIASTEREOMERICALLY ENRICHED PCTA AND SYNTHESIS METHOD	2021/07/15
2021/05029	BELL PLATE, ATOMIZER-TYPE CLEANING DEVICE, AND ASSOCIATED OPERATING METHOD	2021/07/16
2021/05030	A SOAP BAR WITH IMPROVED PERFUME IMPACT AND DEPOSITION OF ACTIVES	2021/07/16
2021/05031	FLEXIBLE ALLOCATION OF REGULAR BINS IN RESIDUAL CODING FOR VIDEO CODING	2021/07/16
2021/05032	SMART SURVEILLANCE SYSTEM FOR SWIMMING POOLS	2021/07/16
2021/05034	COUNTERCURRENT CONTACTING DEVICES	2021/07/16
2021/05060	A DRUG MONITORING TOOL	2021/07/19
2021/05083	METHODS AND PRODUCTS FOR CONVERTING CARBON DIOXIDE TO ONE OR MORE SMALL ORGANIC COMPOUNDS	2021/07/19
2021/05104	PROCESS FOR THE RECOVERY OF METALS FROM POLYMETALLIC NODULES	2021/07/20
2021/05106	IMAGE CODING METHOD AND DEVICE FOR CARRYING OUT MRL-BASED INTRA PREDICTION	2021/07/20
2021/05108	BAR COMPOSITIONS COMPRISING C10 SOAP WHILE MINIMIZING RATIO OF UNSATURATED C18 SOAP TO CAPRATE	2021/07/20
2021/05140	SEALING SYSTEM FOR A TRACK	2021/07/21
2021/05150	CONJUGATE COMPRISING LIGAND AND CEACAM5 ANTIBODY FAB FRAGMENT	2021/07/21
2021/05151	CONJUGATE COMPRISING LIGAND, SPACER, PEPTIDE LINKER, AND	2021/07/21



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	BIOMOLECULE	
2021/05152	ANTI-ELASTIN ANTIBODIES AND METHODS OF USE	2021/07/21
2021/05154	CD31 COMPETITORS AND USES THEREOF	2021/07/21
2021/05183	BETA-LACTAM COMPOUNDS OR SALTS THEREOF FOR USE IN LONG-ACTING PREVENTION OR TREATMENT OF A GLUCOSE METABOLISM DISORDER	2021/07/22
2021/05194	METHOD FOR PRODUCING LOW-CARBON FERROMANGANESE	2021/07/22
2021/05195	SIGNALING OF IN-LOOP RESHAPING INFORMATION USING PARAMETER SETS	2021/07/22
2021/05198	AN EXTRUDED SOAP BAR WITH HIGH WATER CONTENT	2021/07/22
2021/05220	CELL PENETRATING ANTIBODIES	2021/07/23
2021/05238	BUFFER MANAGEMENT FOR INTRA BLOCK COPY IN VIDEO CODING	2021/07/23
2021/05239	CONSTRUCTION METHOD FOR CREATING A RESTRICTED ACCESS SWIMMING LAGOON WITH BEACHES AT A RETAIL SITE	2021/07/23
2021/05240	SEAL INTEGRITY INSPECTION	2021/07/23
2021/05242	KEY COMBINATION ELEMENT IN KEY BLANK AND KEY	2021/07/23
2021/05270	DRILL STRING ROD	2021/07/26
2021/05284	AN EXTRUDED SOAP BAR WITH HIGH WATER CONTENT	2021/07/26
2021/05306	FIBER FOR ARTIFICIAL HAIRS, ARTIFICIAL HAIR, METHOD FOR PRODUCING FIBER FOR ARTIFICIAL HAIRS, AND METHOD FOR PRODUCING ARTIFICIAL HAIR	2021/07/27
2021/05307	BOTTLE CAP	2021/07/27
2021/05310	PROBIOTIC COMPOSITIONS COMPRISING LACTOBACILLUS REUTERI STRAINS AND METHODS OF USE	2021/07/27
2021/05311	FELINE FOOD COMPOSITION	2021/07/27
2021/05312	A GENETICALLY MODIFIED LACTOBACILLUS AND USES THEREOF	2021/07/27
2021/05315	SYSTEM AND METHOD OF MANAGING CARRYBACK IN SURFACE HAULAGE	2021/07/27
2021/05316	SYSTEM AND METHOD FOR DETERMINING CARRYBACK IN SURFACE HAULAGE	2021/07/27
2021/05344	SULCARDINE SALTS	2021/07/28
2021/05356	NEIGHBOURING SAMPLE SELECTION	2021/07/28

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	FOR INTRA PREDICTION	
2021/05404	INTERACTIONS BETWEEN IN-LOOP RESHAPING AND INTER CODING TOOLS	2021/07/29
2021/05405	COSMETIC/DERMATOLOGICAL COMPOSITION	2021/07/29
2021/05511	METHOD FOR AUTOMATED PRODUCTION OF A VASCULAR ENDOPROSTHESIS	2021/08/03
2021/05588	FOOD SUPPLEMENT	2021/08/06
2021/05624	RESOURCE DETERMINATION FOR COMMUNICATING UPLINK CONTROL SIGNAL IN WIDE BANDWIDTH DEPLOYMENTS	2021/08/10
2021/05632	BREATHABLE ADHESIVE BANDAGES	2021/08/10
2021/05687	AN ELECTRIC POWER MACHINE WITH A ROTOR MEMBER COMPRISING MAGNETITE	2021/08/11
2021/05697	VIEWING OPTIC WITH ROUND COUNTER SYSTEM	2021/08/11
2021/05698	NEW N-BENZYL-2-PHENOXYBENZAMIDE DERIVATIVES AS PROSTAGLANDIN E2 (PGE2) RECEPTORS MODULATORS	2021/08/11
2021/05801	IMPROVED ROD SEAL ASSEMBLIES FOR MACHINES WITH CROSSHEADS AND SEALED OSCILLATING RODS	2021/08/13
2021/05890	ORDER PICKING SYSTEM COMPRISING A PATERNOSTER CONVEYOR AND METHOD OF USING SUCH A SYSTEM	2021/08/17
2021/05953	CROP DISEASE RECOGNITION AND YIELD ESTIMATION	2021/08/19
2021/06006	LIGHT-EMITTING DIODE	2021/08/20
2021/06099	BLOW MOULDING TOOL FOR A BLOW MOULDING MACHINE	2021/08/24
2021/06266	APPARATUS AND METHOD FOR SPRAY DRYING	2021/08/30
2021/06267	APPARATUS AND METHOD FOR SPRAY DRYING	2021/08/30
2021/06319	TWO-STAGE METHOD FOR RECOVERING HALOGENATED HYDROCARBONS	2021/08/30
2021/06338	RAPIDLY IMPROVING ENDOTHELIAL FUNCTION, REDUCING ARTERIAL STIFFNESS AND REVERSING CALCIFICATION OF BLOOD VESSELS BY ADMINISTERING VITAMIN K	2021/08/27
2021/07073	PECAN NUT KERNEL EXTRACTION METHOD	2021/09/22
2021/07166	AN ELECTRONIC CABLE TAG	2021/09/27
2021/07413	PROTECTIVE HEADGEAR	2021/10/01

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2021/07434	A MULTICHAMBERED URINE COLLECTION DEVICE	2021/10/01
2021/07513	COMPOUNDS AND COMPOSITIONS COMPRISING THE SAME FOR TREATING HYPERTENSION OR HEART FAILURE	2021/10/06
2021/07557	HIGH-DENSITY OPTICAL DATA RECORDING	2021/10/07
2021/07558	ADAPTABLE REAL-TIME COMMUNICATIONS PLUGIN FOR VIRTUAL DESKTOP INFRASTRUCTURE SOLUTIONS	2021/10/07
2021/07559	MITIGATION OF RANSOMWARE IN INTEGRATED, ISOLATED APPLICATIONS	2021/10/07
2021/07562	TECHNIQUES TO SET FOCUS IN CAMERA IN A MIXED-REALITY ENVIRONMENT WITH HAND GESTURE INTERACTION	2021/10/07
2021/07669	EXHAUST SYSTEM AND FEATURES THEREOF	2021/10/11
2021/07916	PULSE DELIVERY CLEANING SYSTEMS AND METHODS	2021/10/18
2021/07946	METHODS FOR THE DIAGNOSIS OF LUNG CANCER	2021/10/18
2021/08201	METHOD FOR PRODUCING A MULTI-LAYER COMPOSITE FILM, MULTI-LAYER COMPOSITE FILM, AND USE THEREOF	2021/10/25
2021/08297	PROCESS FOR PRODUCING A HIGHLY ACTIVATED, MONOLITHIC NET-SHAPED BIOCHAR ELECTRODE	2021/10/27
2021/08298	PROCESS FOR PRODUCING HIGHLY ACTIVATED ELECTRODE THROUGH ELECTRO-ACTIVATION	2021/10/27
2021/08300	SUSTAINED-RELEASE MICROPARTICLES CONTAINING DESLORELIN, AND PREPARATION METHOD THEREFOR	2021/10/27
2021/08302	TRANSFERRING MONITORING EVENT INFORMATION DURING A MOBILITY PROCEDURE	2021/10/27
2021/08303	METHOD, APPARATUS FOR SYNCHRONIZATION OF STATUS OF QOS FLOW IN COMMUNICATION SYSTEM	2021/10/27
2021/08515	METHOD FOR PRODUCING A METASTABLE CRYSTAL MODIFICATION OF N-(AMINOIMINOMETHYL)-2-AMINOETHANOIC ACID (III)	2021/11/02
2021/08532	MODULAR CONVEYOR BELT LINK	2021/11/02

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2021/08968	ROTARY KILN SEALING SYSTEM AND ROTARY KILN EQUIPMENT	2021/11/11
2021/09070	IMATINIB FORMULATIONS, MANUFACTURE, AND USES THEREOF	2021/11/15
2021/09639	ACTIVE AND PASSIVE HUMIDIFICATION DEVICE FOR MOUNTING IN A PATIENT VENTILATION CIRCUIT	2021/11/26
2021/09736	THIN-LAYER TREATMENT DEVICE	2021/11/29
2021/09745	IMPROVED OPHTHALMIC APPARATUS	2021/11/29
2021/09797	PROGESTOGEN FOR USE IN THE TREATMENT OF CYTOKINE RELEASE SYNDROME	2021/11/30
2021/10335	INFLATABLE NECK TRACTION DEVICE	2021/12/13
2021/10506	SYSTEMS AND METHODS FOR AQUEOUS RECOVERY OF LEAD FROM LEAD ACID BATTERIES WITH REDUCED ELECTROLYTE DEMAND	2021/12/15
2022/01882	SUPPRESSION OF WATER EVAPORATION USING FLOATING LATTICE-LIKE STRUCTURES	2022/02/14
2022/02193	A PUZZLE CASE	2022/02/18
2022/03029	TAPE DISPENSER	2022/03/14
2022/03348	APPLICATION OF TRANSPORT CARRIER GENE WHICH IMPROVES L-TRYPTOPHAN PRODUCTION EFFICIENCY IN ESCHERICHIA COLI	2022/03/22
2022/03710	A PORTABLE CROP DISEASE DETECTION DEVICE	2022/03/31
2022/04008	OPTIC FIBER CONNECTOR	2022/04/08
2022/04031	REFRIGERATION RECOVERY FROM REACTOR FEED IN A PROPANE DEHYDROGENATION SYSTEM	2022/04/08
2022/04073	A MEDICAL THERAPEUTIC DEVICE	2022/04/11
2022/04125	ADJUSTABLE TOW BAR LOAD STABILISER	2022/04/12
2022/04252	METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-TIM3 ANTIBODIES	2022/04/14
2022/04358	ELECTRIC POWER FACILITY EMERGENCY REPAIR TOOL VEHICLE	2022/04/19
2022/04423	METHODS OF CANCER TREATMENT USING ANTI-OX40 ANTIBODIES IN COMBINATION WITH ANTI-PD1 OR ANTI-PDL1 ANTIBODIES	2022/04/20
2022/04522	TANNIN-BASED CLOUDING AGENTS	2022/04/22
2022/04542	PROCESS FOR THE PRODUCTION OF 5-(4-((2 S,5 S)-5-(4-CHLOROBENZYL)-	2022/04/22

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	2-METHYLMORPHOLINO)PIPERIDIN-1-YL)-1 H-1,2,4-TRIAZOL-3-AMINE	
2022/04562	CONSTRUCTION ELEMENT	2022/04/22
2022/04678	D-AMPHETAMINE COMPOUNDS, COMPOSITIONS, AND PROCESSES FOR MAKING AND USING THE SAME	2022/04/26
2022/04679	COMPOUND HAVING ANTI-AGING AND DISCOLORATION RESISTANCE EFFECTS AND PREPARATION METHOD THEREFOR	2022/04/26
2022/04705	SKI ROPE RETAINER	2022/04/28
2022/04738	CONTROL OF AN AMMONIA SYNTHESIS LOOP AT PARTIAL LOAD	2022/04/28
2022/04842	A SOLAR POWER PLANT	2022/05/03
2022/04881	AN INTELLIGENT COCONUT HARVESTING SYSTEM	2022/05/04
2022/04902	METHOD FOR DIAGNOSING HUMAN T-CELL LEUKEMIA VIRUS TYPE 1 (HTLV-1)-RELATED DISEASE	2022/05/04
2022/04910	TIMER HANDLING IN MULTIPLE ACTIVE GRANT CONFIGURATIONS	2022/05/04
2022/05010	HIGH SALT LOAD CONDITIONING DURING CATION EXCHANGE CHROMATOGRAPHY TO REMOVE PRODUCT-RELATED IMPURITIES	2022/05/06
2022/05074	A COUNTING BLOOM FILTER	2022/05/09
2022/05107	REFRACTORY FILTER	2022/05/09
2022/05110	TRPV4 RECEPTOR LIGANDS	2022/05/09
2022/05216	METHOD FOR PRODUCING A BODY PROTECTION ITEM AND RESULTING BODY PROTECTION ITEM	2022/05/11
2022/05220	METHOD FOR PREPARING AN ALUMINA SUPPORTED PEROVSKITE TYPE OXIDE COMPOSITION, ALUMINA SUPPORTED PEROVSKITE TYPE OXIDE COMPOSITION AND ITS USE	2022/05/11
2022/05222	COMBINATION OF ENCAPSULATED PHENOTHRIN AND EMULSIFIED PRALLETHRIN	2022/05/11
2022/05263	SOLID PHARMACEUTICAL FORMS OF PERAMPANEL	2022/05/12
2022/05279	WAKEUP COMMUNICATION IN A WIRELESS COMMUNICATION SYSTEM	2022/05/12
2022/05300	MANUFACTURING OF PROTECTED DO3A	2022/05/12
2022/05322	An Endcap for a Roofing Element and Associated Assembly and Method	2022/05/13
2022/05424	AGRICULTURAL SPRAYER	2022/05/17
2022/05435	HOT-EXTRACTION PAPER	2022/05/17
2022/05436	A SYSTEM FOR DETERMINING A	2022/05/17

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	TYPE OF CANCER	
2022/05441	A FLOW MEASURING DEVICE	2022/05/17
2022/05445	THERMOFORMED COMPONENT HAVING EXCELLENT COATING ADHESION, AND MANUFACTURING METHOD THEREFOR	2022/05/17
2022/05478	A CYCLONE SEPARATOR FOR SEPARATING CONTAMINANTS FROM COMPRESSED GAS	2022/05/18
2022/05487	PARTICLE SEPARATION BY DENSITY	2022/05/18
2022/05488	GASEOUS MATTER CAPTURE SYSTEM AND METHOD	2022/05/18
2022/05491	HOT ROLLED AND STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2022/05/18
2022/05587	GENE ENGINEERING BACTERIA FOR PRODUCING L-ARGININE AND CONSTRUCTION METHOD AND APPLICATION OF GENE ENGINEERING BACTERIA	2022/05/20
2022/05596	RADIOLABELLED (LYS3)BN-IP SMA FOR THE DUAL RECOGNITION OF THE PSMA AND GRPR PROTEINS IN VIVO	2022/05/20
2022/05598	METAL POWDER FOR ADDITIVE MANUFACTURING	2022/05/20
2022/05608	HEAT TREATED COLD ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2022/05/20
2022/05609	AIR CONDITIONING AND FILTRATION SYSTEM	2022/05/20
2022/05648	CANNABINOID NANOMICELLE PREPARATION AND METHOD FOR PREPARING SAME	2022/05/23
2022/05649	HEAT TREATED COLD ROLLED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF	2022/05/23
2022/05675	PROCESS FOR PREPARING CHROMAN COMPOUNDS	2022/05/23
2022/05722	METAL POWDER FOR ADDITIVE MANUFACTURING	2022/05/24
2022/05723	PROCESS FOR THE ADDITIVE MANUFACTURING OF MARAGING STEELS	2022/05/24
2022/05724	METAL POWDER FOR ADDITIVE MANUFACTURING	2022/05/24
2022/05725	LASER CUTTING OF A PRE-COATED STEEL BLANK AND ASSOCIATED BLANK	2022/05/24
2022/05736	MEASURING DEVICE FOR MEASURING THE LENGTH OF SEALING PROFILES	2022/05/24

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2022/05738	TUMOR-SPECIFIC CLAUDIN 18.2 ANTIBODIES	2022/05/24
2022/05799	SUBSTITUTED NUCLEOSIDE ANALOGS AS PRMT5 INHIBITORS	2022/05/25
2022/05809	METHOD FOR TREATING A PART MADE OF FERROUS METAL, AND PART MADE OF FERROUS METAL	2022/05/25
2022/05867	SYNERGISTIC COMBINATIONS OF SYNTHETIC LYSINE ANALOGS, DERIVATIVES, MIMETICS, OR PRODRUGS AND PHARMACEUTICAL AGENTS FOR ENHANCED EFFICACY	2022/05/26
2022/05868	TAMPER-PREVENTING LIQUID DISPENSING TAP WITH AUTOMATIC OPENING	2022/05/26
2022/06113	REINFORCED CARRIER DEVICE FOR A BATTERY PACK AND PROCESS FOR THE ASSEMBLING OF A REINFORCED BATTERY PACK	2022/06/01
2022/06159	DEVICE FOR REDUCTION OF MOISTURE IN POROUS MATERIALS	2022/06/02
2022/06160	DEVICE FOR REDUCTION OF MOISTURE IN POROUS MATERIALS	2022/06/02
2022/06163	METHODS OF TREATING CORONAVIRUS	2022/06/02
2022/06197	BREEDING METHOD USING RICE INDICA-JAPONICA INTERSUBSPECIFIC TETRAPLOID RECOMBINANT INBRED LINES	2022/06/03
2022/06214	ACCELERATED TISSUE DISSOLUTION	2022/06/03
2022/06237	VEHICLE	2022/06/06
2022/06251	RADIO NETWORK NODE, USER EQUIPMENT (UE) AND METHODS PERFORMED THEREIN	2022/06/06
2022/06253	SUBSTITUTED TRICYCLIC COMPOUNDS	2022/06/06
2022/06391	PROTECTIVE ELEMENT FOR A BATTERY PACK OF A HYBRID OR ELECTRIC VEHICLE AND PROCESS FOR THE ASSEMBLING OF A REINFORCED BATTERY PACK	2022/06/08
2022/07334	UNDERWATER DISASSEMBLY AND ASSEMBLY MODULE FOR DEDICATED SHACKLE	2022/07/01
2022/07689	PROCESS FOR INSTALLING SEAL RING OF JACKET FOUNDATION OF FOUR-PILE WIND TURBINE	2022/07/12
2022/08516	METHOD AND CIRCUIT FOR ENABLING A DIRECT CURRENT SOURCE TO POWER A LOAD CIRCUIT DESIGNED FOR	2022/07/29

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	ALTERNATING CURRENT INPUT	
2022/09808	USE OF MALIC ENZYME 2 IN PREPARATION OF DIAGNOSTIC REAGENT OR MEDICAMENT FOR SILICOSIS OR PULMONARY FIBROSIS-RELATED DISEASE	2022/09/02
2022/09887	CRUSHING DEVICE WITH LARGE-VOLUME CONCRETE AGGLOMERATION SCREENING AND CRUSHING FUNCTIONS	2022/09/05
2022/09888	GENE FOR CONTROLLING THE SIZE OF PLANT PETAL AND USE THEREOF	2022/09/05
2022/10285	A Clamp Assembly for a Conveyor Belt	2022/09/16
2022/10444	USE OF GLUTARIMIDE DERIVATIVE FOR OVERCOMING STEROID RESISTANCE AND TREATING DISEASES ASSOCIATED WITH ABERRANT INTERFERON GAMMA SIGNALING	2022/09/21
2022/10453	PREVENTING FINGER OF A USER FROM PINCH IN A DOOR GAP	2022/09/21
2022/10573	METHOD AND APPARATUS FOR DETERMINING OPERATING STATE OF PHOTOVOLTAIC ARRAY, DEVICE AND STORAGE MEDIUM	2022/09/23
2022/10699	METHOD AND APPARATUS FOR DETERMINING OPERATING STATE OF PHOTOVOLTAIC ARRAY, DEVICE AND STORAGE MEDIUM	2022/09/27
2022/10824	DRAINAGE DITCH CONSTRUCTION TECHNOLOGY AND POURING APPARATUS FOR CONSTRUCTION	2022/09/30
2022/10975	METHOD FOR CONTROLLING EJECTION OVERLOAD OF ROCKET EJECTION SEAT	2022/10/06
2022/10976	IMAGE OPERATION INFORMATION HIERARCHICAL CODING AND TRACING METHOD	2022/10/06
2022/11040	AN ARTERIOGRAPHY PUNCTURE DEVICE FOR CARDIOVASCULAR DEPARTMENT	2022/10/10
2022/11052	THERMAL INSULATION CULTIVATION DEVICE FOR WAXY CORN BREEDING AND CULTIVATION METHOD THEREOF	2022/10/10
2022/11055	NEW GLYCOSIDE COMPOUND AS WELL AS SEPARATION AND EXTRACTION METHOD AND APPLICATION THEREOF	2022/10/10
2022/11203	SMALL SUNFLOWER THRESHING DEVICE	2022/10/13
2022/11346	FLOW GUIDE DEVICE AND METHOD	2022/10/17



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	FOR AUTOMATIC AIR INTAKE AND DISCHARGE OF ELEVATOR	
2022/11347	SOIL COVERING DEVICE FOR TREE PLANTING ROBOT	2022/10/17
2022/11348	AUTOMATIC TREE PLANTING ROBOT	2022/10/17
2022/11769	A REMEDIATION METHOD OF LEAD AND ZINC CONTAMINATED SOIL WITH INORGANIC MODIFIERS AND PLANTS	2022/10/28
2022/11770	A METHOD OF PROMOTING PLANT RESTORATION IN LEAD-ZINC CONTAMINATED SOIL WITH A COMPOUND MODIFIER	2022/10/28
2022/11904	MODELING METHOD OF FORECASTING MODEL FOR REPRESENTING INTENTION OF DRIVER	2022/11/02
2022/11909	FIVE-AXIS LINKED 3D PRINTER	2022/11/02
2022/11910	PYROLYSIS AND GASIFICATION HYDROGEN PRODUCTION DEVICE WITH LOW TAR CONTENT AND HIGH GAS PURIFICATION	2022/11/02
2022/11911	SORTING MECHANISM FOR CRUSHED WASTE SHOE PRODUCTS	2022/11/02
2022/11914	ORGANIC FERTILIZER FOR REDUCING NITRATE CONTENT OF LETTUCE LEAVES AND PREPARATION METHOD THEREOF	2022/11/02
2022/11916	A CLAMPING CLAW TYPE DEEP-SEA PIPELINE AUTOMATIC CONNECTING MACHINE	2022/11/02
2022/11918	SYSTEM FOR DETECTION OF COLOUR BLINDNESS	2022/11/02
2022/11923	SOLAR POWERED GRASS CUTTER	2022/11/02
2022/11924	AUTOMATIC IRRIGATION SYSTEM USING SOLAR ENERGY	2022/11/02
2022/11925	EARLY-WARNING SYSTEM DEVICE FOR FOREST AND GRASSLAND FIRE PREVENTION	2022/11/02
2022/11926	PROCESS TO ASSESS THE VIABILITY AND FEASIBILITY OF ONLINE FUND RAISING	2022/11/02
2022/11927	ARDUINO BASED ANTI- THEFT FACE RECOGNITION SYSTEM	2022/11/02
2022/11929	BLUETOOTH CONTROLLED WHEELCHAIR	2022/11/02
2022/11930	SYSTEM FOR THE VISUALLY IMPAIRED PEOPLE WITH VOICE ASSISTANT	2022/11/02
2022/11931	A SYSTEM FOR DONATING OLD GOODS	2022/11/02
2022/11932	A SYSTEM FOR SMART CITY	2022/11/02

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	MANAGEMENT	
2022/11933	A VIRTUAL MOUSE CONTROL SYSTEM ENABLED WITH HAND GESTURES	2022/11/02
2022/11934	AUTOMATIC DETECTION SYSTEM USING PYTHON	2022/11/02
2022/11938	BETAMETHASONE SODIUM PHOSPHATE CRYSTAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF	2022/11/02
2022/11973	METHOD FOR CREATING DIPLOID GERMLASM RESOURCES BY USING TETRAPLOID CHINESE CABBAGE	2022/11/03
2022/11975	METHOD FOR PREPARING CHROMOSOME SPECIMEN OF ERIANTHUS ARUNDINACEUS (RETZ.) JESWIET. ROOT TIP MERISTEM	2022/11/03
2022/11985	METHOD FOR MONITORING GEOTECHNICAL STRUCTURE OF LANDFILL	2022/11/03
2022/11986	CLEANING PROCESS FOR MEDIUM PIPELINE OF CONTINUOUS CASTING EQUIPMENT	2022/11/03
2022/11987	A METHOD FOR IDENTIFYING CANCER SUBTYPES BASED ON MULTI-OMICS DATA	2022/11/03
2022/11988	A METHOD FOR IDENTIFYING DNA PROMOTER ELEMENTS BASED ON INFORMATION THEORY	2022/11/03
2022/12116	TERAHERTZ FREQUENCY BAND FEED HORN	2022/11/07
2022/12162	A MULTIFUNCTIONAL CERAMIC POWDER COATING WITH INORGANIC MATERIAL AS THE MAIN BODY	2022/11/08
2022/12217	A SYSTEM FOR VIRTUAL GAME CONTROL USING HAND GESTURES	2022/11/09
2022/12254	ELECTROLYTIC REDUCTION DEVICE OF CARBON DIOXIDE AND REDUCTION METHOD THEREOF	2022/11/10
2022/12256	CLEANING EQUIPMENT FOR BIOLOGICAL POLLUTANTS	2022/11/10
2022/12259	ADVANCED DETECTION APPARATUS FOR MINE TUNNEL	2022/11/10
2022/12260	PREDICTION MODEL OF DELIRIUM IN CRITICAL PATIENTS AFTER CARDIAC SURGERY AND ITS CONSTRUCTION METHOD	2022/11/10
2022/12262	EFFICIENT VIBRATING SCREEN FOR FILTERING NORI WASTE WATER	2022/11/10
2022/12263	ALL-AROUND MULTI-LAYER HIGH-EFFICIENCY CONICAL VIBRATING SCREEN FOR FILTERING NORI	2022/11/10

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	WASTE WATER	
2022/12264	AUTOMATIC MOUNTING DEVICE FOR CABIN COVER TARPAULIN OF WIND POWER GENERATOR	2022/11/10
2022/12270	A SYSTEM FOR TEXT TO SPEECH AND SPEECH TO TEXT CONVERTING	2022/11/10
2022/12271	A WASTE DECAYING AND RECYCLING SYSTEM	2022/11/10
2022/12272	GAS LEAKAGE DETECTION SYSTEM FOR DOMESTIC PURPOSES	2022/11/10
2022/12273	A SYSTEM FOR ALCOHOL DETECTION WITH ENGINE LOCKING SYSTEM USING ARDUINO	2022/11/10
2022/12274	A SYSTEM FOR AGE AND GENDER PREDICTION USING PYTHON AND DEEP LEARNING	2022/11/10
2022/12275	DYEING OF GOAT SKIN LEATHER WITH MIXTURE OF NATURAL DYES-BUTEA MONOSPERMA AND CASSIA AURICULATA	2022/11/10
2022/12276	A SYSTEM FOR ACCIDENT LIFESAVER	2022/11/10
2022/12277	A MACHINE VISION BASED AERIAL STYLUS	2022/11/10
2022/12279	MACHINE LEARNING BASED SYSTEM FOR PHYSICAL HEALTH IMPROVEMENT	2022/11/10
2022/12281	A SYSTEM FOR PERSONALISED HEALTHCARE	2022/11/10
2022/12290	TRANSFER DETECTION ROD FOR CONVERSION EQUIPMENT, AND REVERSING METHOD	2022/11/10
2022/12321	DEVELOPMENT AND PREPARATION OF RUTIN-CISPLATIN SYNERGISTIC ANTI-LUNG CANCER NANOEMULSION INJECTION	2022/11/11
2022/12322	ANCHORING DEVICE FOR SHIPS	2022/11/11
2022/12324	CORE-SHELL STRUCTURED NANOWIRE AND POLYMER-BASED HIGH THERMAL CONDUCTIVITY COMPOSITE MATERIAL AND ITS PREPARATION METHOD	2022/11/11
2022/12325	FIBRIN-CHITOSAN ELECTROSPUN HEMOSTATIC PATCH AND PREPARATION METHOD THEREOF	2022/11/11
2022/12330	A NOVEL METHOD FOR TESTING COVID - 19 INFECTION RATE	2022/11/11
2022/12379	DOUBLE-SIDED FLAT GRINDING AND POLISHING MACHINE	2022/11/14
2022/12380	PREPARATION METHOD AND APPLICATION OF 5-AMINOSALICYLIC ACID DENDRITIC CRYSTAL-	2022/11/14

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	SYNERGISTIC BLETILLA STRIATA GEL COMPOUND LINE AGENT	
2022/12470	COAL-WATER SLURRY ADDITIVE PRODUCTION SYSTEM AND PROCESS	2022/11/16
2022/12471	RAPID SURVIVAL METHOD FOR GRAFTING OF THICK BRANCH OF ACER TRUNCATUM FOR LANDSCAPE ENGINEERING	2022/11/16
2022/12472	METHOD FOR MAKING ANTIQUE STUB BONSAI BY DRILLING GRAFTING OF THICK BRANCH OF GINKGO BILOBA	2022/11/16
2022/12473	C-TYPE LECTIN DERIVED FROM EXOSKELETON OF MACROBRACHIUM NIPPONENSE, AND ENCODING GENE AND USE THEREOF	2022/11/16
2022/12477	TRUE THREE-DIMENSIONAL GEOMECHANICAL MODEL TEST ANCHOR ROD PRE-EMBEDDING DEVICE AND OPERATION METHOD	2022/11/16
2022/12482	DRUG-LOADED DNA ORIGAMI RAFT AND PREPARATION METHOD AND USE THEREOF	2022/11/16
2022/12485	A DOUBLE-LAYER HOLLOW CAPSULE AND A MULTILAYER ENTERIC HOLLOW CAPSULE	2022/11/16
2022/12486	A SYSTEM AND METHOD TO IMPLEMENT DATA HIDING FOR QUALITY ACCESS CONTROL OF GRAYSCALE IMAGE	2022/11/16
2022/12488	PREPARATION METHOD FOR GRANULAR BLACK TEA OF ALBINO-INDUCED YELLOW TEA CULTIVARS	2022/11/16
2022/12489	SLAG-REMAINING GASIFICATION DEPHOSPHORIZATION METHOD AND RECYCLING SMELTING METHOD FOR CONVERTER SLAG	2022/11/16
2022/12491	PREPARATION METHOD OF TRANSITION METAL CARBONITRIDE	2022/11/16
2022/12494	A THREE-DIMENSIONAL CULTIVATION METHOD OF CAPSICUM ANNUUM; INTERPLANTING HIGH-STALK CROPS	2022/11/16
2022/12495	A METHOD FOR CALOTROPIS PROCERA FIBRE REINFORCEMENT FOR FLEXURAL STRENGTH ENHANCEMENT OF CONCRETE BEAMS	2022/11/16
2022/12496	A SYSTEM TO FIND OPTIMUM MODULATION SCHEME IN WIRELESS	2022/11/16

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	RECHARGEABLE SENSOR NETWORKS AND A METHOD THEREOF	
2022/12499	A METHOD FOR ANALYZING FACTORS THAT AFFECT EMPLOYEES' FOR TURNOVER INTENTION	2022/11/16
2022/12535	METHOD FOR EXTRACTING PECTIN FROM TOBACCO STEMS BY MEANS OF ULTRASONIC WAVES AND MIXED ACID	2022/11/17
2022/12540	PESTICIDE SYNERGIST AND ITS PREPARATION METHOD	2022/11/17
2022/12546	A NOVEL HARDWARE PROTOTYPE FOR CROWD MONITORING SYSTEM AND A METHOD THEREOF	2022/11/17
2022/12555	ADJUVANT FOR AGROCHEMICALS	2022/11/17
2022/12679	HIGH-STRENGTH AL-CU-MG-CE WROUGHT ALUMINIUM ALLOY AND PREPARATION METHOD THEREOF	2022/11/22
2022/12680	FOAMED NICKEL-BASED ERBIUM-DOPED NICKEL-COBALT BIMETALLIC PHOSPHIDE NANO ARRAY AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	2022/11/22
2022/12681	METHOD FOR PREPARING HYDROTHERMAL CARBON-BASED FUNCTIONAL NUTRIENT SUBSTRATE BY STEAM EXPLOSION COMBINED WITH HYDROTHERMAL CARBONIZATION AND AEROBIC FERMENTATION AND ITS APPLICATION	2022/11/22
2022/12684	CULTURE MEDIUM FOR PRODUCING PROTEIN KINASE C INHIBITOR BALANOL AND METHOD THEREOF	2022/11/22
2022/12685	AUGMENTED INJECTION FLUID AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF	2022/11/22
2022/12686	A RISK WARNING SYSTEM OF MINE CONSTRUCTION BASED ON MINE VENTILATION DETECTION	2022/11/22
2022/12689	A RESOURCE ALLOCATION METHOD OF VIRTUAL MACHINE BASED ON DOUBLE CURSOR CONTROL MECHANISM	2022/11/22
2022/12694	SYSTEM AND METHOD OF CAPTURING AND LINEARIZING OCEANIC WAVE MOTION USING A BUOY FLOTATION DEVICE AND AN ALTERNATING-TO-DIRECT MOTION CONVERTER	2022/11/22
2022/13082	MULTIPLEX PCR DETECTION KIT FOR	2022/12/02

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	GARLIC VIRUSES	
2022/13140	A METHOD OF PINEAPPLE SEEDLINGS REGENERATION AND AXILLARY BUDS GROWTH POINT TRANSFORMATION	2022/12/05
2022/13253	A CATTLE AND SHEEP APHRODISIAC PREGNANCY-PROMOTING PREPARATION	2022/12/07
2022/13298	AN IMPROVED ASTROCYTE CULTURE METHOD	2022/12/08
2022/13468	FASTENING CONTROL STRUCTURE FOR SECONDARY GROUTING OF PROXIMITY TUNNEL SHIELD SEGMENT AND GROUTING CONSTRUCTION METHOD	2022/12/13
2022/13533	METHOD FOR SEMIAUTOMATICALLY BUILDING DATABASE, COMPUTER-READABLE MEDIUM	2022/12/14
2022/13590	A METHOD OF PREPARING SELF-SEPARATING ULTRAFINE SILICON NITRIDE FIBERS BY USING RICE STRAW	2022/12/15
2022/13665	METHOD FOR REALIZING MULTI-SOURCE DATA LINK PROCESSING BASED ON THE BAYESIAN PROBABILITY MODEL	2022/12/19
2022/13667	A SPECIAL CULTURE MEDIUM FOR ISOLATING PHYTOPHTHORA SOJAE	2022/12/19
2022/13669	POLYURETHANE (PU) ACCELERATOR AND PREPARATION METHOD AND USE THEREOF	2022/12/19
2022/13671	A DEFECT DETECTION METHOD OF BLOOD LANCET BASED ON A CLASSIFICATION NETWORK	2022/12/19
2022/13672	A MOLECULAR MARKER AND APPLICATION METHOD FOR ASSISTED BREEDING OF FINE-WOOL SHEEP	2022/12/19
2022/13758	DESIGN METHOD FOR COMBINED SUBSIDENCE SUPPRESSION APPARATUS WITH GROUND BEAMS AND TIE BARS FOR SHALLOW-BURIED TUNNEL, AND SYSTEM	2022/12/20
2022/13798	SHIP ANCHOR ROD DEFORMATION CORRECTING AND REPAIRING METHOD	2022/12/21
2022/13799	A KIND OF HIGH-SPEED PASSENGER ELECTRIC HOVERCRAFT	2022/12/21
2022/13849	BALLASTLESS TURNOUT FASTENER SYSTEM	2022/12/21
2023/00109	A GREEN, ENERGY-SAVING, LOW-CARBON AND ENVIRONMENT-	2023/01/03

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	FRIENDLY T SERIES INNOVATIVE INTEGRATED FORMWORK FOR WALL INSULATION STRUCTURE AND A PREPARATION METHOD THEREOF	
2023/00111	A FERTILIZER OBTAINED BY FERMENTATION OF ORGANIC MATTERS AND A PREPARATION METHOD THEREOF	2023/01/03
2023/00112	PROTECTION DEVICE FOR TREES IN SALINE-ALKALI LAND	2023/01/03
2023/00113	METHOD AND DEVICE FOR DETECTING ABNORMAL-STATE VIBRATION SOUND OF TRANSFORMER	2023/01/03
2023/00114	A PROCESS FOR EXTRACTING RESVERATROL FROM ROSELLE LEAVES	2023/01/03
2023/00115	AN ALL-DIMENSIONAL TRACKING PARABOLIC MIRROR HEAT ENERGY ABSORPTION SYSTEM	2023/01/03
2023/00117	A GAS EXPLOSION LUNG INJURY DIAGNOSIS SYSTEM, A SERUM MARKER SCREENING METHOD, AND A LUNG INJURY MECHANISM RESEARCH METHOD	2023/01/03
2023/00118	AN ENDOMETRIAL CANCER NURSING METHOD BASED ON THE CLINICAL PATH AND A SYSTEM	2023/01/03
2023/00160	GAS PRESSURE MAINTAINING SPLIT HOPKINSON PRESSURE BAR CONFINING PRESSURE DEVICE AND USAGE METHOD THEREFOR	2023/01/03
2023/00172	ANTIBODY BINDING TO HEPATITIS B VIRUS SURFACE ANTIGEN AND APPLICATION OF ANTIBODY	2023/01/03
2023/00200	A METHOD FOR TESTING MOISTURE RATIO AND MOISTURE CONTENT OF A ROCK-SOIL BODY BASED ON THERMODYNAMIC EQUILIBRIUM	2023/01/04
2023/00312	A SIX-ROTOR MULTISPECTRAL UNMANNED AERIAL VEHICLE VARIABLE TOPDRESSING DEVICE AND A USE METHOD THEREOF	2023/01/06
2023/00419	SEMANTIC SEGMENTATION MODEL AND METHOD FOR MANGROVE AND SPARTINA ALTERNIFLORA WITH IMPROVED UPERNET	2023/01/10
2023/00482	A FLOW FORM OBSERVING DEVICE FOR HIGH-TEMPERATURE AND HIGH-PRESSURE VERTICAL PIPE FLOW AND A METHOD	2023/01/11
2023/00529	A SUPPORT INFORMATION SYSTEM FOR HEALTHY LIFE EXPECTANCY	2023/01/12

Application Number	Patent Title	Filing Date
2023/00529	APPLICATION BASED ON HEALTH CARE BIG DATA AND A METHOD A SUPPORT INFORMATION SYSTEM FOR HEALTHY LIFE EXPECTANCY APPLICATION BASED ON HEALTH CARE BIG DATA AND A METHOD	2023/01/12

## DESIGNS

## Advertisement List for January 2023

Number of Advertised Designs: 87

Application Number	Design Articles	Filing Date
A2019/00165	Containers	2019/02/01
A2020/01108	Earphone	2020/08/13
A2020/01474	STAND FOR ELECTRONIC DEVICE	2020/11/12
A2021/00547	Dose Delivery Device	2021/05/21
A2021/01184	BLENDER	2021/09/29
A2021/01185	BLENDER	2021/09/29
A2021/01288	HANDHELD GARMENT STEAMER	2021/10/13
A2021/01289	HANDHELD GARMENT STEAMER	2021/10/13
A2021/01290	HANDHELD GARMENT STEAMER	2021/10/13
A2021/01291	HANDHELD GARMENT STEAMER	2021/10/13
A2021/01292	HANDHELD GARMENT STEAMER	2021/10/13
A2021/01293	HANDHELD GARMENT STEAMER	2021/10/13
A2022/00367	RATCHET HANDLE	2022/04/07
A2022/00368	RATCHET HANDLE	2022/04/07
A2022/00369	RATCHET HANDLE	2022/04/07
A2022/00370	RATCHET HANDLE	2022/04/07
A2022/00371	RATCHET HANDLE	2022/04/07
A2022/00372	RATCHET HANDLE	2022/04/07
A2022/00420	Front Centre Grille for a Vehicle	2022/04/20
A2022/00431	Water Filter Housing	2022/04/22
A2022/00432	Packaging Bag	2022/04/22
A2022/00444	CRANIAL IMPLANT	2022/04/26
A2022/00446	CRATES	2022/04/26
A2022/00448	VEHICLE ACCESSORIES	2022/04/26
A2022/00453	BISCUITS	2022/04/28
A2022/00454	BISCUITS	2022/04/28
A2022/00455	WATCHES	2022/04/28
A2022/00456	WATCHES	2022/04/28
A2022/00457	WATCHES	2022/04/28
A2022/00458	Cleaning Instrument	2022/04/28
A2022/00464	Liner for a Respirator Mask	2022/04/29
A2022/00472	Container	2022/05/04
A2022/00473	Container	2022/05/04



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A2022/00474	Container	2022/05/04
A2022/00475	Set of Containers	2022/05/04
A2022/00476	LUMINAIRE HOUSING	2022/05/04
A2022/00477	LIGHTING BOLLARD	2022/05/04
A2022/00494	MEDICAL FLUID INFUSION PUMP	2022/05/09
A2022/00502	Car	2022/05/11
A2022/00503	Car	2022/05/11
A2022/00504	Toy Car	2022/05/11
A2022/00505	Toy Car	2022/05/11
A2022/00507	Building units and construction elements	2022/05/12
A2022/00509	Leg for a Bed Base	2022/05/12
A2022/00510	Drinking Flask	2022/05/12
A2022/00511	CAPSULES	2022/05/12
A2022/00520	MOBILE PHONE	2022/05/13
A2022/00521	MOBILE PHONE	2022/05/13
A2022/00535	BOOTS	2022/05/17
F2022/00125	BRACKET	2022/02/09
F2022/00434	MOULDINGS	2022/04/25
F2022/00435	MOULDINGS	2022/04/25
F2022/00436	MOULDINGS	2022/04/25
F2022/00445	CRATES	2022/04/26
F2022/00447	CRATES	2022/04/26
F2022/00452	FITTINGS FOR AIR PUMP	2022/04/28
F2022/00489	WATERCRAFT	2022/05/09
F2022/00490	CONTAINERIZED PETROLEUM PIPING	2022/05/09
F2022/00491	CONTAINERIZED LPG DISCHARGE FACILITY	2022/05/09
F2022/00498	Punnet	2022/05/10
F2022/00499	Blank for a Punnet	2022/05/10
F2022/00508	Building units and construction elements	2022/05/12
F2022/00512	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00513	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00514	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00515	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00516	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00517	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00518	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00519	SCAN CARD FOR IN VITRO ASSAY	2022/05/12
F2022/00550	ADAPTER	2022/05/20
F2022/00560	SURGICAL GUIDE PIN	2022/05/24
F2022/00561	SURGICAL GUIDE PIN	2022/05/24
F2022/00562	SURGICAL GUIDE PIN	2022/05/24
F2022/00570	SURGICAL GUIDE PIN	2022/05/24
F2022/00571	SURGICAL GUIDE PIN	2022/05/24
F2022/00572	SURGICAL GUIDE PIN	2022/05/24
F2022/00573	SURGICAL GUIDE PIN	2022/05/24
F2022/00574	SURGICAL GUIDE PIN	2022/05/24
F2022/00576	SURGICAL GUIDE PIN	2022/05/24

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F2022/00577	SURGICAL GUIDE PIN	2022/05/24
F2022/00578	SURGICAL GUIDE PIN	2022/05/24
F2022/00579	SURGICAL MOUNT	2022/05/24
F2022/00580	SURGICAL MOUNT	2022/05/24
F2022/00581	SURGICAL GUIDE PIN	2022/05/24
F2022/00582	SURGICAL GUIDE PIN	2022/05/24
F2022/01522	SOLAR TRACKING ARRAY FRAME	2022/11/24

**OTHER NOTICES**



**NOTICE TO COMPANIES AND INTELLECTUAL PROPERTY COMMISSION CUSTOMERS**

**2023 SCHEDULE FOR ONLINE PUBLICATION OF THE PATENT JOURNAL**

Please take note of the below dates regarding XML and online submissions for purposes of publishing in the Patent Journal. Further take note of the Patent Journal publication dates.

Month	Opening dates	Cut-off dates	Journal Publication Dates
January	03-January-2023	16-January-2023	25-January-2023
February	26-January-2023	13-February-2023	22-February-2023
March	23-February-2023	20-March-2023	29-March-2023
April	30-March-2023	17-April-2023	26-April-2023
May	28-April-2023	22-May-2023	31-May-2023
June	01-June-2023	19-June-2023	28-June-2023
July	29-June-2023	17-July-2023	26-July-2023
August	27-July-2023	21-August-2023	30-August-2023
September	31-August-2023	18-September-2023	27-September-2023
October	28-September-2023	16-October 2023	25-October-2023
November	26-October-2023	20-November-2023	29-November-2023
December	30-November-2023	11-December-2023	20-December-2023
January	02-January-2024	22-January-2024	31-January-2024

The above dates may be changed without a notice.

12 January 2023

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