

PATENT JOURNAL

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2. PATENTS

PATENTS

APPLICATIONS FOR PATENTS

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

THE PARTICULARS APPEAR IN THE FOLLOWING SEQUENCE:

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

- APPLIED ON 2021/10/26 -

2021/08229 ~ Provisional ~54:A BATTERY CHARGING SYSTEM ~71:LEIBRANDT, Stephen, Johannes, 1175 MARKET STREET, BOOYSENS, PRETORIA, 0082, South Africa ~72: LEIBRANDT, Stephen, Johannes~

2021/08247 ~ Complete ~54:A COMPUTER IMPLEMENTED SYSTEM FOR MEASURING GREENHOUSE GAS EMITTING ACTIVITIES OF A USER ~71:DISCOVERY LIMITED, One Discovery Place, corner of Rivonia and Katherine Street, Sandton, 2196, South Africa ~72: ANDRE NEPGEN;DAN JONATHAN GINSBERG;LEZETTE CARINA PIENAAR~ 33:ZA ~31:2020/06495 ~32:20/10/2020

2021/08254 ~ Complete ~54:IL-2/IL-15R β Y AGONIST DOSING REGIMENS FOR TREATING CANCER OR INFECTIOUS DISEASES ~71:CYTUNE PHARMA, 3, Chemin du Pressoir Chênaie, France ~72: David BÉCHARD;Irena ADKINS;Nada PODZIMKOVÁ;Ulrich MOEBIUS~ 33:EP ~31:19175436.5 ~32:20/05/2019;33:EP ~31:19177064.3 ~32:28/05/2019

2021/08271 ~ Complete ~54:A PROCESS FOR THE MANUFACTURE OF (2S,3S,4S,5R,6S)-3,4,5-TRIHYDROXY-6-(((4AR,10AR)-7-HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-PYRAN-2-CARBOXYLIC ACID AND INTERMEDIATE THEREOF ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500, Valby, Denmark ~72: LISBET KVÆRNØ;MARTIN JUHL;MIKKEL FOG JACOBSEN~ 33:DK ~31:PA201900598 ~32:20/05/2019

2021/08248 ~ Complete ~54:BACILLUS SUBTILIS, PREPARATION FOR PREHARVEST TREATMENT ON EDIBLE FUNGI AND APPLICATION THEREOF ~71:QINGDAO AGRICULTURAL UNIVERSITY, No. 700 Changcheng Road, Chengyang District, Shandong, People's Republic of China ~72: CHENG, Fan-Sheng~ 33:CN ~31:202011228256.X ~32:06/11/2020

2021/08230 ~ Complete ~54:AUTOMATIC BEAN CURD SKIN ROLL-PRESSING DEVICE AND ROLLING METHOD THEREOF ~71:Taiyuan University of Technology, No.79 West Street Yingze, Wanbolin District, Taiyuan, Shanxi, 030024, People's Republic of China ~72: GAO, Guijun;GONG, Baoliang;JING, Yi;WANG, Yan~ 33:CN ~31:202110389799.8 ~32:12/04/2021

2021/08244 ~ Complete ~54:FRAGRANCE COMPOSITIONS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: ARNOUX , Pierre;FINN, Clare~ 33:GB ~31:2017025.4 ~32:27/10/2020

2021/08251 ~ Complete ~54:NUMERICAL SIMULATION METHOD FOR FOOTPRINT-GUIDED HIGH-EFFICIENCY AIRBORNE ELECTROMAGNETIC SURVEY ~71:CENTRAL SOUTH UNIVERSITY, No.932 South Lushan Road , Changsha, Hunan , 410083, People's Republic of China ~72: GUO, Rongwen;LIU, Jianxin;LIU, Rong;LIU, Zhuo;WANG, Jianxin~ 33:CN ~31:201910966894.2 ~32:12/10/2019

2021/08255 ~ Complete ~54:COLD ROLLED AND COATED STEEL SHEET AND A METHOD OF MANUFACTURING THEREOF ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Dongwei FAN;Hyun Jo JUN;Narayan POTTORRE;Oleg YAKUBOVSKY;Xiang (Frank) CHEN~ 33:IB ~31:PCT/IB2019/054577 ~32:03/06/2019

2021/08267 ~ Complete ~54:GRADIENT CEMENTED CARBIDE BODY AND METHOD OF MANUFACTURING THEREOF ~71:Sandvik Mining and Construction Tools AB, Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: KESSON, Leif;ARVANITIDIS, Ioannis;BORGH, Ida;HAI, Xueying;LILJA, Mirjam;NORGREN, Susanne~ 33:EP ~31:19185452.0 ~32:10/07/2019

2021/08273 ~ Complete ~54:AMINO QUINAZOLINE DERIVATIVES AS P2X3 INHIBITORS ~71:CHIESI FARMACEUTICI S.P.A., Via Palermo, 26/A, 43122, Parma, Italy ~72: CHARLES BAKER-GLENN;CLAUDIO FIORELLI;DANIELA PIZZIRANI;DANIELE PALA;HERVÉ;VAN DE POEL;KIM LOUISE HIRST;MATTEO BIAGETTI;PAOLO BRUNO;PAOLO RONCHI~ 33:EP ~31:19177604.6 ~32:31/05/2019;33:EP ~31:19201168.2 ~32:02/10/2019

2021/08231 ~ Complete ~54:MULTI-STAGE VIBRATORY SCREENING DEVICE SUITABLE FOR HEAVY METAL POLLUTION CONTROL ~71:Sichuan Huatu Technology Co., Ltd., (Room 1202, University Internship Training Building, Sichuan University of Science and Engineering) , No. 180, Huixing Road, Xueyuan Street, Ziliujing District, Zigong City, Sichuan Province, 643002, People's Republic of China ~72: BI, Yuzhang;DING, Zehao;FENG, Zhen;GAO, Xi'an;GONG, Zihan;GUO, Yi;HE, Shenglan;HUANG, Hua;LIU, Yu;LUO, Yaqiong;SHAN, Yu;SUN, Xinpo;TUO, Xianguo;XU, Ao~ 33:CN ~31:202110911095.2 ~32:10/08/2021

2021/08233 ~ Complete ~54:AUTOMATIC REFILL-RETRACTING NIB PROTECTION PEN ~71:Wu Yuqian, No. 36, Yanzishan Road, Jinan City, Shandong Province, People's Republic of China ~72: Wu Chengge;Wu Yuqian~

2021/08258 ~ Complete ~54:IMPROVED FORMWORK PANEL ~71:PERI AG, Rudolf-Diesel-Str. 19, Germany ~72: CHALLA, Sitarama Rao Naga Venkata;DONGARE, Mahesh;KUNNATHALLY SOMASUNDARAM, Arun;RAJU, Vinothkumar;RATHOD, Ankush;ROUTH, Anibrata~ 33:IN ~31:201911018268 ~32:07/05/2019

2021/08262 ~ Complete ~54:UNDERGROUND DRILL RIG AND SYSTEMS AND METHODS OF USING SAME ~71:BLY IP INC., 2455 S. 3600 W., United States of America ~72: BARRETT, David;CLAUSEN, Paul;CORBOY, Steve;FOX, Shane;GAGNE, Lee;MORONEY, Geoff~ 33:US ~31:62/826,377 ~32:29/03/2019

2021/08260 ~ Complete ~54:SYSTEM FOR GENERATING A LINEAR MOVEMENT ~71:GENERGO S.R.L., Via Luigi Cador-na 5, 22100 Como, Italy ~72: BRUNETTI, Simone;TIRELLA, Vincenzo~ 33:IB ~31:PCT/IB2019/052799 ~32:05/04/2019

2021/08259 ~ Complete ~54:SYSTEM FOR GENERATING A LINEAR MOVEMENT ~71:GENERGO S.R.L., Via Luigi Cador-na 5, 22100 Como, Italy ~72: BRUNETTI, Simone;TIRELLA, Vincenzo~

2021/08266 ~ Complete ~54:ANTI-BCMA ANTIBODY CONJUGATE, COMPOSITIONS COMPRISING THE SAME, AND METHODS OF MAKING AND USING THE SAME ~71:Celgene Corporation, 86 Morris Avenue, SUMMIT 07901, NJ, USA, United States of America ~72: GAKHAL, Amandeep;LEE, John;LI, Xiaofan;STAFFORD, Ryan;YAM, Alice;YU, Abigail~ 33:US ~31:62/843,226 ~32:03/05/2019

2021/08237 ~ Complete ~54:DOUBLE-CHAMBER MEMBRANE CAPACITIVE DEIONIZATION DEVICE ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: LIU, Yong;YUAN, Xun~

2021/08235 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF IRON-CONTAINING CARBON-BASED COMPOSITE MATERIAL BASED ON COAGULATION SLUDGE OF DYE CHEMICAL WASTEWATER ~71:Hefei University of Technology, No. 193 Tunxi Road, Baohe District, Hefei City, Anhui Province, People's Republic of China ~72: Chen Xing;Chen Yihan;Cui Kangping;Guo Zhi;Liu Huilai;Liu Xu;Yang Qinqin~

2021/08242 ~ Complete ~54:RECIPROCATING WATER BLOWING DEVICE FOR ELECTROPLATED PENDANT ~71:Yancheng Institute of Technology, No. 1 Mid. Xiwang Avenue, Tinghu District, Yancheng City, Jiangsu Province, 224000, People's Republic of China ~72: XIA, Wensheng;XU, Tongtong~

2021/08256 ~ Complete ~54:A WEDGE-CLIP CONNECTOR ASSEMBLY ~71:PERI AG, Rudolf-Diesel-Str. 19, Germany ~72: CHALLA, Sitarama Rao Naga Venkata;DONGARE, Mahesh;KUNNATHALLY SOMASUNDARAM, Arun;RAJU, Vinothkumar;RATHOD, Ankush;ROUTH, Anibrata~ 33:IN ~31:201911018268 ~32:07/05/2019

2021/08268 ~ Complete ~54:PHARMACEUTICAL COMBINATION PREPARATION COMPRISING EZETIMIBE AND LOSARTAN ~71:HANMI PHARM. CO., LTD., 214, Muha-ro, Paltan-myeon, Hwaseong-si, Gyeonggi-do, 18536, Republic of Korea ~72: HO TAEK IM;HYUK JUN CHO;MIN WOOK KIM;YONG IL KIM~ 33:KR ~31:10-2019-0045295 ~32:18/04/2019

2021/08261 ~ Complete ~54:COMPOSITIONS COMPRISING BACTERIAL STRAINS ~71:4D PHARMA RESEARCH LIMITED, Life Sciences Innovation Building, Cornhill Road, United Kingdom ~72: CHETAL, Sasha;STEVENSON, Alex~ 33:EP ~31:19173945.7 ~32:10/05/2019

2021/08263 ~ Complete ~54:IMIDAZOLONYLQUINOLINE COMPOUNDS AND THERAPEUTIC USES THEREOF ~71:Merck Patent GmbH, Frankfurter Strasse 250, DARMSTADT 64293 , GERMANY, Germany ~72: BECKER, Axel;FUCHSS, Thomas;GRAEDLER, Ulrich;KUBAS, Holger~ 33:EP ~31:19165664.4 ~32:27/03/2019

2021/08234 ~ Complete ~54:A SPORTS TRAINING SYSTEM AND METHOD BASED ON VR TECHNOLOGY ~71:Zhengzhou University of Aeronautics, No.15 Wenyuan West Road, Zhengdong New District, Zhengzhou, Henan, 450000, People's Republic of China ~72: LI, Gaixin;WANG, Chenyu;WANG, Yongqiang;WANG, Zhikun;WEI, Qin~ 33:CN ~31:202111096109.6 ~32:15/09/2021

2021/08246 ~ Complete ~54:A SAMPLE DISPLAY DEVICE FOR LANDSCAPE DESIGN ~71:Southwest University of Science and Technology, No. 59, Middle Section of Qinglong Avenue, Fucheng District, Mianyang City, Sichuan, People's Republic of China ~72: XIAN, Qingsong;ZENG, Mingying~ 33:CN ~31:202110262051.1 ~32:10/03/2021

2021/08253 ~ Complete ~54:A COMPENSATION WALER ASSEMBLY ~71:PERI AG, Rudolf-Diesel-Str. 19, Germany ~72: CHALLA, Sitarama Rao Naga Venkata;DONGARE, Mahesh;KUNNATHALLY SOMASUNDARAM, Arun;RAJU, Vinothkumar;RATHOD, Ankush;ROUTH, Anibrata~ 33:IN ~31:201911018268 ~32:07/05/2019

2021/08265 ~ Complete ~54:CODON OPTIMIZED SYNTHETIC NUCLEOTIDE SEQUENCES ENCODING CRY2AI PROTEIN AND USES THEREOF ~71:DCM Shriram Limited, 2nd Floor, (West Wing), Worldmark 1, Aerocity, NEW DELHI 110037, INDIA, India ~72: Balakrishnan, N.;MANGENA, Geetha Lakshmi;Mohankumar, S.;PARIHAR, Dwarkesh Singh;Sudhakar, D.;Udayasuriyan, V.;VERMA, Paresh~ 33:IN ~31:201911016327 ~32:24/04/2019

2021/08272 ~ Complete ~54:INTEGRATED PROCESS OF PYROLYSIS, ELECTRODE ANODE PRODUCTION AND ALUMINUM PRODUCTION AND JOINT PLANT ~71:BASF SE, Carl-Bosch-Str. 38, 67056, Ludwigshafen am Rhein, Germany;THYSSENKRUPP AG, ThyssenKrupp Allee 1, 45143 Essen, Germany;THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, ThyssenKrupp Allee 1, 45143, Essen, Germany ~72: ANDREAS

BODE;FREDERIK SCHEIFF;GRIGORIOS KOLIOS;KARSTEN BUEKER;MARC LEDUC;NICOLAI ANTWEILER;WILLIAM DALOZ~ 33:EP ~31:19178445.3 ~32:05/06/2019

2021/08275 ~ Complete ~54:GENERATION OF CHIMERIC ANTIGEN RECEPTOR (CAR)-PRIMARY NK CELLS FOR CANCER IMMUNOTHERAPY USING A COMBINATION OF CAS9/RNP AND AAV VIRUSES ~71:RESEARCH INSTITUTE AT NATIONWIDE CHILDREN'S HOSPITAL, 700 Children's Drive, W-148, Columbus, Ohio, 43205, United States of America ~72: DEAN ANTHONY LEE;KATHRIN CHRISTINE MEYER;MEISAM NAEIMI KARAROUDI;SHIBI LIKHITE~ 33:US ~31:62/825,007 ~32:27/03/2019

2021/08228 ~ Provisional ~54:MULTI-PURPOSE EXTENDABLE TROLLEY ~71:MASINGI, Thomas Tommy, Section A, 428 Duck Street, Palm Springs, STRETFORD 1950, Gauteng, SOUTH AFRICA, South Africa ~72: MASINGI, Thomas Tommy~

2021/08241 ~ Complete ~54:EFFICIENT AND ENVIRONMENTALLY-FRIENDLY LONG SPIRAL ROCK-SOCKETED PILE DRIVER ~71:Ocean University of China, No. 238 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266000, People's Republic of China;Qingdao Geological Engineering Survey Institute (Qingdao Geological Exploration Development Bureau), No. 73, Weisi Road, Keyuan District, Laoshan District, Qingdao City, Shandong Province, 266000, People's Republic of China;Qingdao Geology and Minerals Rock and Soil Engineering Co., Ltd, No. 79 Xuzhou Road, Shinan District, Qingdao City, Shandong Province, 266000, People's Republic of China ~72: Jia, Shixiang;Liu, Honghua;Liu, Hongjun;Liu, Kai;Wang, Tonghong;Wang, Zhongsheng;Xu, Hongbing;Yan, Jun~ 33:CN ~31:202011231420.2 ~32:06/11/2020

2021/08243 ~ Complete ~54:AGRICULTURAL SPRAYER AND WIND DEFLECTOR THEREFOR ~71:RAS CONSULT (PTY) LTD, 6 Deneysen Street, South Africa ~72: RAS, Marthinus Christoffel David~ 33:ZA ~31:2020/07795 ~32:15/12/2020

2021/08250 ~ Complete ~54:PRIMER AND PROBE FOR DETECTING ECHINOCOCCUS AND KIT THEREOF ~71:TIANTECH INSTITUTE OF BIOTECHNOLOGY (ZHUHAI) CO., LTD., Zone C, Third Floor, West 2# Plant, Shuanghu Road, North Side of Zhuhai Avenue, Hongqi Town, Jinwan District, Guangdong, People's Republic of China ~72: CHEN, Shengyou;JIANG, Xiaoxia;LI, Hanxue;LI, Xiong;LI, Yuquan;LUO, Baozheng;XU, Bowen;ZHAO, Fuzhen;ZHAO, Hongjie;ZHOU, Aobaixue~

2021/08274 ~ Complete ~54:PEST CONTROL INCLUDING COMBINED MATING DISRUPTION AND TRAPPING ~71:TRECE, INC., 7569 Highway 28 W, Adair, Oklahoma, 74330, United States of America ~72: BILL LINGREN;VALERIE MCKINNEY;VINCENT CHEBNEY~ 33:US ~31:62/839,141 ~32:26/04/2019;33:US ~31:PCT/US2019/031386 ~32:08/05/2019;33:US ~31:62/956,891 ~32:03/01/2020;33:US ~31:16/800,821 ~32:25/02/2020

2021/08240 ~ Complete ~54:ALL-IN-ONE SENSOR FOR UNDERGROUND EXPLORATION ~71:Anhui University Science and Technology, No.168 Taifeng Road, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China ~72: Bai Fangyan;Guo Laigong;Liang Zhe;Ouyang Mingsan;Zhu Chengjie~

2021/08245 ~ Complete ~54:OPERATING MECHANISM FOR OPENING AND CLOSING AT LEAST TWO CONTACTS SIMULTANEOUSLY ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: POSTMUS, Albert~ 33:GB ~31:2017719.2 ~32:10/11/2020

2021/08252 ~ Complete ~54:METHOD FOR CHARGING A CONTAINER FOR USE WITH A MEDICATION DELIVERY APPARATUS, CONTAINER FOR SUCH AN APPARATUS AND METHOD FOR TREATING A PATIENT ~71:MEXICHEM FLUOR S.A. DE C.V., Eje 106, Zona Industrial, Mexico ~72: CORR, Stuart;GARDNER, Simon~ 33:GB ~31:1908348.4 ~32:11/06/2019

2021/08238 ~ Complete ~54:PHOTO-ASSISTED SILVER NANOCUSTER-BIOMACROMOLECULE COMPOSITE ANTIBACTERIAL AGENT ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: DOU, Xinyue;FAN, Xiaofan;GUO, Chenyu;YUAN, Xun~

2021/08257 ~ Complete ~54:AN ALIGNMENT CLAMP AND TIE ROD CONNECTOR ASSEMBLY FOR FORMWORK PANELS ~71:PERI AG, Rudolf-Diesel-Str. 19, Germany ~72: CHALLA, Sitarama Rao Naga Venkata;DONGARE, Mahesh;KUNNATHALLY SOMASUNDARAM, Arun;RAJU, Vinothkumar;RATHOD, Ankush;ROUTH, Anibrata~ 33:IN ~31:201911018268 ~32:07/05/2019

2021/08269 ~ Complete ~54:CARTON BLANK ERECTOR AND FEEDING AND SHUTTLE MACHINE ~71:KLIKLOK LLC, 5224 Snapfinger Woods Drive, Decatur, Georgia, 30035, United States of America ~72: JOHN PATE;KEVIN GODDEN~ 33:US ~31:62/840,066 ~32:29/04/2019

2021/08232 ~ Complete ~54:FLEXIBLE TRANSPARENT DISPLAY SCREEN ~71:Zhengzhou University of Aeronautics, No.15, Wenyuan West Road, Zhengdong New District, Zhengzhou, Henan, 450046, People's Republic of China ~72: Chen, Leiming;Duan, Xiangyang;Fu, Lin Jie;Li, Yan;Liu, Yang;Wang, Yanyan;Wang, Yumei;Xu, Kun;Yu, Zhanjun;Zhong, Facheng~

2021/08236 ~ Complete ~54:MOLECULAR SIEVE CATALYST AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University, 85 Minglun Street, Kaifeng City, Henan Province, 475000, People's Republic of China ~72: HE, Xinyu;QIAO, Congzhen;TIAN, Yajie;WANG, Tao;YANG, Hao~

2021/08239 ~ Complete ~54:TRAFFIC CALMING ~71:FOURIE, Jacobus Antonie, 6 Phobos Avenue, Sterpark, Polokwane 0699, Limpopo, SOUTH AFRICA, South Africa ~72: FOURIE, Jacobus Antonie~ 33:ZA ~31:2020/04750 ~32:31/07/2020

2021/08249 ~ Complete ~54:INTELLIGENT LIFTING TYPE GRASSLAND ECO-HYDROLOGY MULTI-FACTOR MEASUREMENT DEVICE ~71:INSTITUTE OF WATER SCIENCE IN PASTORAL AREA, MINISTRY OF WATER RESOURCES, No. 128, East Daxue Street, Saihan District, Inner Mongolia, People's Republic of China ~72: CUI, Wei;GUO, Jianying;LIU, Jing;MIAO, Ping;TANG, Guodong;XU, Bing;YANG, Zhenqi;ZHANG, Tiegang;ZHENG, Ying~

2021/08264 ~ Complete ~54:PROCESS OF DISPOSAL IN PILES OF TAILINGS STEMMING FROM THE IRON ORE PROCESSING METHOD ~71:Vale S.A., Torre Oscar Niemeyer, Praia de Botafogo no 186, sala 701 a sala 1901, Botafogo, RIO DE JANEIRO 22250-145, RJ, BRAZIL, Brazil ~72: DA SILVA, Washington Pirete;TORQUATO, Nilton Carlos~ 33:BR ~31:BR1020190107120 ~32:24/05/2019

2021/08270 ~ Complete ~54:TETRAHYDRO-1H-CYCLOPENTA[CD]INDENE DERIVATIVES AS HYPOXIA INDUCIBLE FACTOR-2(ALPHA) INHIBITORS ~71:NIKANG THERAPEUTICS, INC., 200 Powder Mill Road, BLDG E500, Wilmington, Delaware, 19803, United States of America ~72: JIPING FU;YAN LOU;YIGANG HE~ 33:US ~31:62/836,019 ~32:18/04/2019;33:US ~31:62/946,191 ~32:10/12/2019

2021/08276 ~ Complete ~54:DIAGNOSTIC REAGENTS ~71:THE PENN STATE RESEARCH FOUNDATION, 304 Old Main University Park, United States of America;THE SECRETARY OF STATE FOR ENVIRONMENT, FOOD AND RURAL AFFAIRS, acting through the Animal and Plant Health Agency, Woodham Lane Addlestone, United Kingdom ~72: JONES, Gareth;KAPUR, Vivek;SRINIVASAN, Sreenidhi;VORDERMEIER, Hans~ 33:US ~31:62/832,034 ~32:10/04/2019;33:GB ~31:1906193.6 ~32:02/05/2019

- APPLIED ON 2021/10/27 -

2021/08281 ~ Complete ~54:TECHNIQUE FOR DETECTING GEOTHERMAL WATER ENRICHMENT AREA OF SANDSTONE GEOTHERMAL RESERVOIR ~71:801 Institute of Hydrogeology and Engineering Geology, SPBGM, No. 13632 Jingshi Road, Lixia District, Jinan City, Shandong Province, People's Republic of China;Dizi New Energy Technology Co. LTD, No. 6596 Dongfanghong East Road, Economic and technological development zone, Dezhou City, Shandong Province, People's Republic of China;Second Institute of Hydrogeology and Engineering Geology, SPBGM, No.1499 Daxue East Road, Decheng District, Dezhou City, Shandong Province, People's Republic of China;Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), No.74 Lishan Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Huang Xing;Kang Fengxin;Liu Zhitao;Sui Haibo;Wang Xuepeng;Yang Xunchang;Yang Yabin;Zhao Jichu;Zheng Tingting;Zhou Qundao~

2021/08304 ~ Complete ~54:SPRAY DEVICE AND METHODS OF ASSEMBLY AND USE ~71:ALTERNATIVE PACKAGING SOLUTIONS, LLC, 641 Lexington Avenue, c/o Essex Management, United States of America ~72: BARRON, Brad;EDWARDS, Matthew, James;HARVEY-COOK, Adam, Moyo;JAMES, Aled, Meredydd;THOMPSON LOUTH, Thomas, Henry~ 33:US ~31:62/843,625 ~32:06/05/2019

2021/08286 ~ Complete ~54:ROD-SHAPED MEMBRANE CAPACITIVE DEIONIZATION ARRAY ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: LIU, Yong;YUAN, Xun~

2021/08307 ~ Complete ~54:ANTIFUNGAL COMPOSITIONS ~71:UNIVERSITY OF EXETER, NORTHCOTE HOUSE, THE QUEEN'S DRIVE, EXETER EX4 4QJ, GB, United Kingdom ~72: GURR, Sarah;STEINBERG, Gero;WOOD, Mark~ 33:GB ~31:1904744.8 ~32:04/04/2019

2021/08280 ~ Complete ~54:PREPARATION METHOD OF "GUANXIMIYOU" POMELO PEEL PECTIN WITH ANTIOXIDANT CAPACITY, MODIFICATION AND APPLICATION ~71:HEILONGJIANG BAYI AGRICULTURAL UNIVERSITY, No. 5, Xinfeng Road, High-tech Zone, Daqing City, Heilongjiang Province, 163319, People's Republic of China ~72: DU, Chao;QIAN, Lili;ZANG, Yanqing;ZHU, Lei;ZUO, Feng~

2021/08303 ~ Complete ~54:METHOD, APPARATUS FOR SYNCHRONIZATION OF STATUS OF QOS FLOW IN COMMUNICATION SYSTEM ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: CHEN, Qian;GAN, Juying;HEDMAN, Peter;ROMMER, Stefan;WASS, Mikael~ 33:CN ~31:PCT/CN2019/080612 ~32:29/03/2019

2021/08318 ~ Complete ~54:TIGIT AND PD-1/TIGIT-BINDING MOLECULES ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: FENG, Yiqing;KUMAR, Naresh;PANCOOK, James David;TRUHLAR, Stephanie Marie;ZHAO, Yang~ 33:US ~31:62/853,816 ~32:29/05/2019

2021/08277 ~ Provisional ~54:ELECTRICALLY DRIVEN GENERATOR ~71:KONIG, Derick, Wilhelm, c/o OR TAMBO AND GORDON STREET, EMALAHLENI, MPUMALANGA (WITBANK), 1039, SOUTH AFRICA, South Africa;THOMPSON, Dick, 13A KEURBOOM STRAAT, HARTENBOS HEUWELS, HARTENBOS, 6520, SOUTH AFRICA, South Africa ~72: KONIG, Derick, Wilhelm;THOMPSON, Dick~

2021/08283 ~ Complete ~54:AN IOT ENABLED SAND AIR JET MACHINING SYSTEM ~71:Bhuprabha Bharti, Assistant Professor, Hindustan College of Science & Technology, Agra-Delhi Highway, NH-2 Churmura, , Farah, Uttar Pradesh , 281122, India;Donika Umesh Chaudhari, Head of Department, Electronics and Communication Engineering, Diploma Studies, Parul University, P.O.Limda, Ta.Waghodia, Vadodara, Gujarat, 391760, India;Dr. Kshama Pandey, Associate Professor, Department of B. Ed./ M.Ed, MJP Rohilkhand University, Pilibhit Bypass Rd, M.J.P Rohilkhand University,, Bareilly, Uttar Pradesh, 243006, India;Dr. Priyanka Bobade, Associate Professor, Finance Management, Dr.D.Y.Patil Vidyapeeth, Global Business School and Research

Centre,, Survey No. 87, 88, Bangalore - Mumbai Bypass Road, Tathawade, Pune, Maharashtra, 411033, India;Dr. Sapna Katiyar, Professor, Electronics and Communication Engineering , ABES Institute of Technology, Campus 2, 19th Km, Stone, NH 24, Ghaziabad, Uttar Pradesh , 201009, India;Dr. Shalu, Assistant Professor, Manav Rachna University, Gadakhori Basti Village, Sector 43, Faridabad, Haryana, 121004, India;Dr. Tayyab Khan, Lecturer, Jawaharlal Nehru University , New Mehrauli Road, JNU Ring Rd, New Delhi, Delhi , 110067, India;Intyaz alam, Lecturer, Jawaharlal Nehru University, New Mehrauli Road, JNU Ring Rd, New Delhi, Delhi , 110067, India;Monika Sharma, Sunderdeep Group of Institution, NH-24, Delhi, Hapur Rd, Dasna,, Ghaziabad , Uttar Pradesh, 201001, India;Ms. Aakansha Garg, Research Scholars, Electronics and Communication Engineering, National Institute of Technology, Patna University Campus, , Patna, Bihar, 800005, India;Ms. Anchal Tyagi, Assistant Professor, Electronics and Communication Engineering, Indraprastha Engineering College, Plot No 63, Site IV, Surya Nagar Flyover Road, Sahibabad Industrial Area, Sahibabad, Ghaziabad, Uttar Pradesh, 201010, India;Prof. Ramesh Chandra Panda, Chief Scientist, Wegrow Private Limited, Bhubsneswar, Odisha, 751001, India ~72: Bhuprabha Bharti;Donika Umesh Chaudhari;Dr. Kshama Pandey;Dr. Priyanka Bobade;Dr. Sapna Katiyar;Dr. Shalu;Dr. Tayyab Khan;Intyaz alam;Monika Sharma;Ms. Aakansha Garg;Ms. Anchal Tyagi;Prof. Ramesh Chandra Panda~

2021/08300 ~ Complete ~54:SUSTAINED-RELEASE MICROPARTICLES CONTAINING DESLORELIN, AND PREPARATION METHOD THEREFOR ~71:INVENTAGE LAB INC., #101, #601, #612, 24, DUNCHON-DAERO 388BEON-GIL, JUNGWON-GU, SEONGNAM-SI, GYEONGGI-DO 13403, REPUBLIC OF KOREA, Republic of Korea ~72: KIM, Ju Hee;KIM, Se Yeon~ 33:KR ~31:10-2019-0050437 ~32:30/04/2019

2021/08316 ~ Complete ~54:CIGARILLO ~71:British American Tobacco (Investments) Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: KANG, In Hong;SANTOS, Sani Monteiro~ 33:GB ~31:1907802.1 ~32:31/05/2019

2021/09264 ~ Complete ~54:BLAST CURTAIN ~71:Clear Creek Trading 167 (Pty) Ltd., 11 Brammer Street, South Africa ~72: VAN DER MERWE, Lukas Cornelius~ 33:ZA ~31:2020/05731 ~32:16/09/2020

2021/08296 ~ Complete ~54:REMOTE MANAGEMENT OF A USER DEVICE ~71:TRINOMIAL GLOBAL LTD, 20-22 Wenlock Road, United Kingdom ~72: ARACHCHILAGE, Kasun Mallika;CAMPBELL, Thomas~

2021/08314 ~ Complete ~54:RELEASE MECHANISM DEVICE, PARACHUTE SYSTEMS AND PARACHUTE STABILIZATION ~71:P.D. of Miami, Inc., Suite 7 1300 East International Speedway Blvd., DELAND 32724, FL, USA, United States of America ~72: COE, William John;KAPP, Ignatius~ 33:US ~31:62/853,841 ~32:29/05/2019;33:US ~31:62/853,863 ~32:29/05/2019;33:US ~31:62/704,736 ~32:26/05/2020;33:US ~31:16/886,726 ~32:28/05/2020

2021/08292 ~ Complete ~54:METHOD FOR ANALYZING SUGARCANE LIVING PLANT TYPE BASED ON PLANT 3D IMAGING ~71:GUANGXI ACADEMY OF AGRICULTURAL SCIENCES, 174 Daxue Road, Nanning 530007, People's Republic of China;NANNING NO.39 MIDDLE SCHOOL, 1 Wuli, Changgang Road, Nanning 530002, People's Republic of China ~72: CHEN, Yan;CHEN, Zhongliang;HUANG, Dongliang;LI, Aomei;LI, Yangrui;LIAO, Fen;QIN, Cuixian;WANG, Miao;XIE, Xiaoling;ZHOU, Li~

2021/08308 ~ Complete ~54:TREATMENT OF INTERVERTEBRAL DISC DEGENERATION ~71:KOLON TISSUEGENE, INC., 9713 KEY WEST AVE., SUITE 300, ROCKVILLE, MD 20850, USA, United States of America ~72: BAE, Hyun;KANG, Sung, Woo;LEE, Kwan, Hee;NOH, Moon, Jong~ 33:US ~31:62/826,676 ~32:29/03/2019

2021/08289 ~ Complete ~54:ON-SITE EXTRACTION METHOD FOR NUCLEIC ACID IN ANIMAL TISSUES ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China ~72: Cao Zhi;Yin Dehua~

2021/08306 ~ Complete ~54:IMMUNOTHERAPY FOR THE TREATMENT OF CANCER ~71:TARGIMMUNE THERAPEUTICS AG, HOCHBERGERSTR. 60C, 4057 BASEL, SWITZERLAND, Switzerland ~72: BAJIC, Davor;BROKA, Derrick;COLECCHIA, David;D'AMICO, Lucia;JARZEBINSKA, Anita;KITAS, Eric;LEVITZKI, Alexander;POMBO-VILLAR, Esteban;SHIR, Alexei;ZIGLER, Maya~ 33:EP ~31:19167141.1 ~32:03/04/2019

2021/08319 ~ Complete ~54:EXTREME THERMOPHILIC BACTERIA OF THE GENUS CALDICELLULOSIRUPTOR SUITABLE FOR THE CONVERSION OF CELLULOSIC AND STARCHY BIOMASS ~71:BLUCON BIOTECH GMBH, Nattermannallee 1, Köln, 50829, Germany ~72: KRÄMER, Marco;SVETLICHNAYA, Tatiana;SVETLICHNY, Vitaly~ 33:EP ~31:PCT/EP2019/060092 ~32:18/04/2019;33:EP ~31:PCT/EP2020/050508 ~32:10/01/2020

2021/08313 ~ Complete ~54:METHODS AND COMPOSITIONS FOR MODULATING SPLICING AND TRANSLATION ~71:STOKE THERAPEUTICS, INC., 45 Wiggins Avenue, United States of America ~72: AZNAREZ, Isabel;SCHARNER, Juergen~ 33:US ~31:62/838,010 ~32:24/04/2019

2021/08298 ~ Complete ~54:PROCESS FOR PRODUCING HIGHLY ACTIVATED ELECTRODE THROUGH ELECTRO-ACTIVATION ~71:CONTROLAMATICS CORPORATION, 3 PARKSIDE DRIVE, CEDAR KNOLLS, NJ 07927, USA, United States of America ~72: BOON, Eric, P.;CHEN, Tao;FAVETTA, Dino~ 33:US ~31:62/826,038 ~32:29/03/2019

2021/08315 ~ Complete ~54:SUBSCRIPTION BASED TRAVEL SERVICE ~71:Inspirato, 1544 Wazee Street, DENVER 80202, CO, USA, United States of America ~72: GANDARILLA, Jesus;HANDLER, Brad;HANDLER, Brent;HOLLOWAY, Cody;RODRIGUEZ, Rodolfo;ROYBAL, Ashley;SMITH, Christopher~ 33:US ~31:16/390,752 ~32:22/04/2019

2021/08287 ~ Complete ~54:THIN LOW-FREQUENCY QUENCHING TRANSFORMER ~71:Heatking Induction Technology(Shiyan)Co.,Ltd., No. 6, Pulin 1st Road, Pulin Industrial Park, Shiyan City, Hubei Province, People's Republic of China ~72: Guang FENG;Meihua WAN;Xiangcheng ZHOU~ 33:CN ~31:202022936444.X ~32:10/12/2020

2021/08293 ~ Complete ~54:TENSIONING SYSTEM ~71:MOHLALEFI (PTY) LTD., 18 Tongani Street, Bryanston Ext 45, Sandton, Gauteng, 2191, South Africa ~72: MARTIN NARE MASITISE~ 33:ZA ~31:2020/06665 ~32:27/10/2020

2021/08310 ~ Complete ~54:METHOD OF ENHANCING THE THERAPEUTIC EFFICACY OF FEXAPOTIDE TRIFLUTATE IN TREATING LUTS ~71:NYMOX CORPORATION, 777 Terrace Avenue, Hasbrouck Heights, United States of America ~72: AVERBACK, Paul~ 33:US ~31:16/410,639 ~32:13/05/2019

2021/08295 ~ Complete ~54:A COLD ROLLED MARTENSITIC STEEL AND A METHOD OF MARTENSITIC STEEL THEREOF ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Aurélie ESNAUT;Matthieu SIEBENTRITT;Vincent LHOIST~ 33:IB ~31:PCT/IB2019/054901 ~32:12/06/2019

2021/08321 ~ Complete ~54:SYSTEM AND METHOD FOR PRODUCING MEDICAL PACKAGING ~71:FRESENIUS KABI DEUTSCHLAND GMBH, Else-Kröner-Strasse 1, 61352, Bad Homburg, Germany ~72: ALEXANDER STOJMANOVSKI;BENJAMIN FRITZ;GERALD WEGNER;MARKO KRENZLIN;STEFAN FABER;THOMAS BRÜCKNER~ 33:EP ~31:19175636.0 ~32:21/05/2019

2021/08278 ~ Provisional ~54:RESISTANCE EXERCISE APPARATUS ~71:FORTUIN, Newton Buchanon, 12 Jonkershoek Street, South Africa;VAN NIEKERK, Johannes Hermanus, 70 Firmount Road, Briza Estate, South Africa ~72: FORTUIN, Newton Buchanon;VAN NIEKERK, Johannes Hermanus~

2021/08284 ~ Complete ~54:SPECTRUM TESTING DEVICE FOR FARMING AREA ~71:Shihezi University, Shihezi University 221 BeiSi Road, Shihezi City, Xinjiang Province, People's Republic of China;Xinjiang Agricultural and Reclamation Science, Cotton Research Institute Xinjiang Academy Agricultural and Reclamation Science 221 Wuyi Road, Shihezi City, Xinjiang Province, People's Republic of China;Xinjiang Shihezi Vocational College, Water Conservancy And Construction Institute Xinjiang Shihezi Vocational College 185 Beiwu Road, Shihezi City, Xinjiang Province, People's Republic of China ~72: CHEN Bing;CHEN Zijie;HAN Huanyong;MA Xiaomei;SUN Lexin;WANG Fangyong;WANG Jing;WANG Xin;YU Yu;ZHAO Jing~

2021/08301 ~ Complete ~54:METHOD AND DEVICE FOR A NON-INVASIVE DETERMINATION AND/OR MONITORING OF INTRACRANIAL COMPLIANCE ~71:SONOVUM GMBH, PERLICKSTR. 5, D-04103 LEIPZIG, GERMANY, Germany ~72: WROBEL, Mirosław ~ 33:EP ~31:19166970.4 ~32:03/04/2019

2021/08322 ~ Complete ~54:YARN FEED MODULE ~71:VANDEWIELE NV, Michel Vandewielestraat 7, 8510, Kortrijk/Marke, Belgium ~72: FRANK CALLENS;VINCENT LAMPAERT~ 33:BE ~31:BE2019/5373 ~32:12/06/2019

2021/08279 ~ Complete ~54:NON-CONTRAST CT SCANNING IMAGE-BASED AORTIC DISSECTION SEGMENTATION METHOD AND APPARATUS ~71:PEKING UNION MEDICAL COLLEGE HOSPITAL, No.1, Shuaifuyuan, Wangfujing, Dongcheng District, Beijing , 100070, People's Republic of China ~72: GUO, Yubo;JIN, Zhengyu;LI, Xiuli;WANG, Cheng;WANG, Yining;XU, Cheng;YI, Yan;YU, Yizhou~ 33:CN ~31:202011442642.9 ~32:08/12/2020

2021/08285 ~ Complete ~54:PREPARATION METHOD AND USE OF CARBODIPY CATIONIC DYE ~71:Shanxi University, No. 92, Wucheng Road, Xiaodian District, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: GUO, Wei;LIU, Jing;ZHANG, Hongxing~

2021/08302 ~ Complete ~54:TRANSFERRING MONITORING EVENT INFORMATION DURING A MOBILITY PROCEDURE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: LU, Yunjie;XU, Wenliang;YANG, Yong~ 33:CN ~31:PCT/CN2019/080136 ~32:28/03/2019

2021/08317 ~ Complete ~54:GUIDE ADAPTER ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: BJÖRK, Fredrik;NORMAN, Andreas;YASSERI, Ali~ 33:EP ~31:19180284.2 ~32:14/06/2019

2021/08294 ~ Complete ~54:WARP KNITTING TOOL BAR FOR A WARP KNITTING MACHINE ~71:KARL MAYER STOLL R&D GMBH, Industriestraße 1, 63179 Obertshausen, Germany ~72: JONAS WEISMANTEL;MARTIN SCHORLEMMER~ 33:EP ~31:20206076.0 ~32:06/11/2020

2021/08312 ~ Complete ~54:PAYMENT PROCESSING ~71:MX TECHNOLOGIES INC., 3401 North Thanksgiving Way Ste 500, United States of America ~72: CALDWELL, John Ryan~ 33:US ~31:62/962,172 ~32:16/01/2020;33:US ~31:62/980,899 ~32:24/02/2021

2021/08320 ~ Complete ~54:SYSTEM AND METHOD FOR PRODUCING A MEDICINAL PACKAGING ~71:FRESENIUS KABI DEUTSCHLAND GMBH, Else-Kröner-Strasse 1, 61352, Bad Homburg, Germany ~72: ALEXANDER STOJMANOVSKI;BENJAMIN FRITZ;GERALD WEGNER;MARKO KRENZLIN;STEFAN FABER;THOMAS BRÜCKNER~ 33:EP ~31:19175636.0 ~32:21/05/2019;33:EP ~31:19218386.1 ~32:20/12/2019

2021/08288 ~ Complete ~54:QUENCHING INDUCTOR FOR NO-SOFT-ZONE LARGE RING PIECE AND DEVICE HAVING THE SAME ~71:Heatking Induction Technology(Shiyan)Co.,Ltd., No. 6, Pulin 1st Road, Pulin

Industrial Park, Shiyan City, Hubei Province, People's Republic of China ~72: Guang FENG;Meihua WAN;Xiangcheng ZHOU~ 33:CN ~31:202022936456.2 ~32:10/12/2020

2021/08305 ~ Complete ~54:UPLINK CONTROL INFORMATION ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LIU, Hao;MASO, Marco;NHAN, Nhat-Quang;TOSATO, Filippo~

2021/08282 ~ Complete ~54:QUICK-CURING FOAM FILLING EQUIPMENT FOR UNDERGROUND GOAF AND CONSTRUCTION METHOD THEREOF ~71:Xijing University, No. 1 Xijing Road, Chang'an District, Xi'an City, Shaanxi Province, People's Republic of China ~72: Fu Shaojun;Li Wanlu;Liu Kaide;Xi Yu;Yang Shasha;Yu Benhui;Yuan Kekuo;Zhang Hao;Zhang Jingxian~

2021/08290 ~ Complete ~54:BIG DATA ANALYSIS SYSTEM ~71:YUAN, Guang, Room 501, Gate 1, 11th Floor, Honghui Garden, Xicheng District, People's Republic of China ~72: YUAN, Guang~

2021/08299 ~ Complete ~54:MULTICOMPONENT THERMOPLASTIC PRODUCT ~71:PK MED, 53 RUE DE TURBIGO, 75003 PARIS, FRANCE, France ~72: ALOUI DALIBEY, Madiha;GUILLAMOT, Frédérique~ 33:EP ~31:19305397.2 ~32:28/03/2019

2021/08311 ~ Complete ~54:LIGHT-SHIELDING GEL EYE PROTECTION PATCH ~71:HANGZHOU JUJIU SCIENCE AND BIOTECHNOLOGY CO.,, Floor 1, Building 3, No. 9, Haishu Road, Yuhang District, Hangzhou, Zhejiang, 310000, People's Republic of China ~72: SHU, Chaofeng;TIAN, Fu Bo;YU, Rui Jun~ 33:CN ~31:201910420063.5 ~32:20/05/2019

2021/08323 ~ Complete ~54:MODIFIED PLURIPOTENT CELLS ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street, 12th Floor, Oakland, California, 94607, United States of America ~72: SONJA SCHREPFER;TOBIAS DEUSE~ 33:US ~31:62/846,399 ~32:10/05/2019;33:US ~31:62/855,499 ~32:31/05/2019

2021/08291 ~ Complete ~54:RARE EARTH METAL AND ALLOY DISCHARGING DEVICE AND METHOD ~71:Leshan Griem Advanced Materials Ltd., No. 13, Yangzhuba Road, Shaping Town, Ebian County, Leshan City, Sichuan Province, People's Republic of China ~72: DENG, Yao;DENG, Zhijin;LI, Juan;WEN, Tao;XIAO, Yin;YAN, Hao;YAN, Jun;YANG, Guilin;YANG, Hongbo~ 33:CN ~31:202011583106.0 ~32:28/12/2020

2021/08297 ~ Complete ~54:PROCESS FOR PRODUCING A HIGHLY ACTIVATED, MONOLITHIC NET-SHAPED BIOCHAR ELECTRODE ~71:CONTROLAMATICS CORPORATION, 3 PARKSIDE DRIVE, CEDAR KNOLLS, NJ 07927, USA, United States of America ~72: BOON, Eric, P.;CHEN, Tao;FAVETTA, Dino~ 33:US ~31:62/826,005 ~32:29/03/2019

2021/08309 ~ Complete ~54:ENGINEERED CAS9 WITH BROADENED DNA TARGETING RANGE ~71:THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, Office of the General Counsel Building 170, 3rd Floor, Main Quad,, United States of America ~72: CONG, Le~ 33:US ~31:62/838,498 ~32:25/04/2019

- APPLIED ON 2021/10/28 -

2021/08332 ~ Complete ~54:WESTERN MEDICINE GRANULE FORMING DEVICE ~71:Henan Medical College Hospital Workers, No.8 Shuanghu Avenue, Longhu Town,Xinzheng City, Zhengzhou City, Henan Province, People's Republic of China ~72: Li Qian~

2021/08340 ~ Complete ~54:RAPID STERILIZATION DEVICE FOR ASEPTIC OPERATION INOCULATION APPARATUS AND APPLICATION METHOD THEREOF ~71:Zhejiang Academy of Agricultural Sciences, 198

Shiqiao Road, Jianqiao Street, Shangcheng District, Hangzhou City, Zhejiang Province, People's Republic of China ~72: Chen Yue;Sun Chongbo;Wang Yunzhu;Yan Ziling;Zhao Kunkun~

2021/08356 ~ Complete ~54:HONEYCOMB MESH COMBINED PACKING MATERIAL ~71:PINGXIANG FXSINO PETROCHEMICAL PACKING CO., LTD, Nearby National Highway 319, Dongbi Administration Division, Pingxiang Economic and Technological Development Zone, Pingxiang City, Jiangxi, 337000, People's Republic of China ~72: XU, Zhe~ 33:CN ~31:201910449595.1 ~32:28/05/2019

2021/08327 ~ Complete ~54:NON-AUTOCLAVED BAKING-FREE BRICK AND PREPARATION METHOD THEREOF ~71:Chinese Research Academy of Environmental Sciences, No. 8 Dayangfang, Anwai Beiyuan, Chaoyang District, Beijing, 100012, People's Republic of China ~72: DANG, Chungge;FANG, Gang;GUO, Yajing;HAN, Guimei~

2021/08326 ~ Provisional ~54:EV THRIFT PUMP / LIQUID DISPLACEMENT DEVICE ~71:Leon Harmsen, 18 Trevor Street, South Africa ~72: Leon Harmsen~ 33:ZA ~31:A ~32:27/10/2021

2021/08329 ~ Complete ~54:CERAMSITE AND PREPARATION AND METHOD THEREOF ~71:Chinese Research Academy of Environmental Sciences, No. 8 Dayangfang, Anwai Beiyuan, Chaoyang District, Beijing, 100012, People's Republic of China ~72: DANG, Chungge;FANG, Gang;GUO, Yajing;HAN, Guimei~

2021/08352 ~ Complete ~54:TRANSPORT ARRANGEMENT ~71:Nimalux (Pty) Ltd., 66 Silverpine Avenue, Moret, RANDBURG 2194, Gauteng, SOUTH AFRICA, South Africa ~72: BOS, Louis Westra~ 33:ZA ~31:2020/06785 ~32:30/10/2020

2021/08357 ~ Complete ~54:POLYMERIC FILLER ~71:PINGXIANG FXSINO PETROCHEMICAL PACKING CO., LTD, Nearby National Highway 319, Dongbi Administration Division, Pingxiang Economic and Technological Development Zone, Pingxiang City, Jiangxi, 337000, People's Republic of China ~72: XU, Zhe~ 33:CN ~31:201910449606.6 ~32:28/05/2019

2021/08367 ~ Complete ~54:METHOD AND APPARATUS FOR DERIVING INTERPOLATION FILTER INDEX FOR CURRENT BLOCK ~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;CHEN, Huanbang;CHERNYAK, Roman Igorevich;IKONIN, Sergey Yurievich;KARABUTOV, Alexander Alexandrovich;SOLOVYEV, Timofey Mikhailovich~ 33:US ~31:62/836,072 ~32:19/04/2019;33:US ~31:62/845,938 ~32:10/05/2019;33:US ~31:62/909,761 ~32:02/10/2019;33:US ~31:62/909,763 ~32:02/10/2019

2021/08372 ~ Complete ~54:TRANSVERSE PLUNGER-TYPE VARIABLE-HEIGHT VALVE BRIDGE ASSEMBLY ~71:DONGFENG COMMERCIAL VEHICLE COMPANY LIMITED, No. 10 Dongfeng Road, Wuhan Economical and Technology Development Zone Wuhan,, People's Republic of China ~72: FAN, Yu;LI, Qinghua;WAN, Hu;WU, Youlin;ZHANG, Fang~ 33:CN ~31:202010334819.7 ~32:24/04/2020

2021/08330 ~ Complete ~54:NUMERICAL CONTROL INCREMENTAL FORMING METHOD BASED ON SELF-RESISTANCE ELECTRIC HEATING AND INTELLIGENT ALGORITHM ~71:Nanjing University of Aeronautics and Astronautics, 29 Yudao Street, Qinhuai District, Nanjing, Jiangsu, 210016, People's Republic of China;Suzhou Research Institute of NUAU, Building 6, Suzhou Software Technology Park, No.78 Kelong Road, Suzhou Science and Technology Town, Suzhou, Jiangsu, 215010, People's Republic of China ~72: Peihuang LOU;Qiang LI;Shihong LU;Zhengfang LI~ 33:CN ~31:202011177416.2 ~32:29/10/2020

2021/08360 ~ Complete ~54:CELLULOSE CASING, METHOD FOR PRODUCING SAME AND PRODUCT STUFFED IN SAID CASING ~71:VISCOFAN, S.A., C/ Berroa n°176; 15 4ª pl. Poligono Industrial Berroa,

31192, Spain ~72: GARCIA MARTINEZ, Ion, Iñaki;JIMENEZ FUENTES, Joana;LONGO ARESO, Carlos, María;RAZQUIN ONGAY, Alfonso~ 33:ES ~31:P201930380 ~32:30/04/2019

2021/08362 ~ Complete ~54:NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS ~71:Galapagos NV, Generaal De Wittelaan L11/A3, MECHELEN 2800, BELGIUM, Belgium ~72: AKKARI, Rhalid;BRYSS, Reginald Christophe Xavier;JARY, Hélène Marie;KOMAC, Marijana;MAMMOLITI, Oscar;ORSULIC, Mislav;VRBAN, Denana~ 33:GB ~31:1904373.6 ~32:29/03/2019

2021/08371 ~ Complete ~54:AAV CARDIAC GENE THERAPY FOR CARDIOMYOPATHY IN HUMANS ~71:University of Florida Research Foundation, Incorporated, 223 Grinter Hall, GAINESVILLE 32611, FL, USA, United States of America ~72: SWEENEY, Hugh Lee~ 33:US ~31:62/876,540 ~32:19/07/2019

2021/08377 ~ Complete ~54:AUTOMATED POLYMER ANALYZING SYSTEM AND ITS USE ~71:LENZING AKTIENGESSELLSCHAFT, Werkstraße 2, 4860, Lenzing, Austria ~72: CHRISTOPH RAMSAUER;FRANZ KEMPTNER;HELMUT LEITNER;ROLF YALDEZ~ 33:EP ~31:19176296.2 ~32:23/05/2019

2021/08458 ~ Provisional ~54:BIOMIMETIC VERTICAL-AXIS WIND TURBINE ~71:Joshua Adrian, 74 La Riviera 2, Constantia Street, South Africa ~72: Joshua Adrian~

2021/08339 ~ Complete ~54:ENRICHED DOUBLE-LAYER PLATFORM FERMENTATION BED BREEDING SYSTEM ~71:Northeast Agricultural University, 600 Changjiang Road, Xiangfang District, Harbin, Heilongjiang Province, People's Republic of China ~72: Bao Jun;Cheng Zheng;Fu Qin;Ji Wenbo;Li Xin;Liu Honggui;Shu Yufu;Zeng Xiangyin;Zhang Xiaohong;Zhou Sitong~

2021/08345 ~ Complete ~54:ELECTROSURGICAL APPARATUS FOR TISSUE ABLATION ~71:CREO MEDICAL LIMITED, Creo House Unit 2, Beaufort Park, Beaufort Park Way, United Kingdom ~72: BURN, Patrick;CAMPION, Charlie;HANCOCK, Christopher Paul;TURNER, Louis~ 33:GB ~31:1707112.7 ~32:04/05/2017

2021/08347 ~ Complete ~54:A SYSTEM FOR GENERATING ELECTRIC POWER ~71:YEDWA HOLDINGS (PTY) LTD, 13451 Simunye Street, Ward 4 Mandlazini, Richards Bay, Kwazulu Natal, 3900, South Africa ~72: YEDWA ERICK NDLOVU~ 33:ZA ~31:2020/04648 ~32:28/07/2020

2021/08370 ~ Complete ~54:MODULATING ANTIBODY EFFECTOR FUNCTIONS ~71:Amgen Inc., One Amgen Center Drive, Law - Patent Operations, M/S 28-5-A, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: BRETZLAFF, William S.;KUHNS, Scott Thomas;PADAKI, Rupa;ZHANG, Qingchun~ 33:US ~31:62/843,919 ~32:06/05/2019

2021/08380 ~ Complete ~54:METHOD AND SYSTEM FOR SUPPRESSING AN ELECTRIC LOCOMOTIVE FROM GENERATING HIGH-ORDER HARMONICS AFTER AXLE ISOLATION ~71:CRRC DALIAN CO., LTD., No. 51, Zhongchang Street, Shahekou District, Dalian, Liaoning, 116022, People's Republic of China ~72: HONGJIE TAO;HUORAN LIU;QIANG HOU;TIANXIANG ZHOU;YANMIN ZHANG;YUYANG CHEN~ 33:CN ~31:202011325503.8 ~32:24/11/2020

2021/08331 ~ Complete ~54:A METHOD FOR IMPROVING CYCLE STABILITY OF CATHODE MATERIAL FOR LITHIUM-ION BATTERY ~71:Hunan Qixian New Material Technology Co., Ltd., No. 3 Chuangye Road, Xiangxiang Economic Development Zone, Xiangtan, Hunan, 411400, People's Republic of China ~72: LIN, Shanyu;PENG, Zhixiong;ZHU, Jiao~

2021/08341 ~ Complete ~54:CHITOSAN NANOPARTICLES FOR DELIVERING FISH OIL AND PREPARATION METHOD THEREOF ~71:Qingdao Agriculture University, No.700 Changcheng Road, Chengyang District, Qingdao, Shandong, People's Republic of China ~72: Li Xiaodan;Liu Hongcai;Mu Hongyan;Wang Xin~

2021/08324 ~ Provisional ~54:BOREHOLE JACK-LOCK ~71:HERMANUS RICHARD VAN SCHALKWYK, 150 IXIA AVENUE, South Africa ~72: HERMANUS RICHARD VAN SCHALKWYK~

2021/08337 ~ Complete ~54:SAPONIFIED COLLECTOR FOR USE IN HIGH CARBON FLY ASH FLOTATION, PREPARATION METHOD AND APPLICATION THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: GUO, Yuanxin;KONG, Zhe;LI, Qiuyi;ZHENG, Shidong~ 33:CN ~31:202110468833.0 ~32:28/04/2021

2021/08369 ~ Complete ~54:WOUND IRON CORE AND METHOD FOR PRODUCING SAME ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: MIZOKAMI, Masato;MIZUMURA, Takahito;MOGI, Hisashi;TAKAHASHI, Fumiaki~ 33:JP ~31:2019-084634 ~32:25/04/2019

2021/08338 ~ Complete ~54:PREPARATION METHOD OF A CATALYST FOR PREPARING CYCLOALKANE BY PHENOL HYDRODEOXYGENATION ~71:China University of Petroleum, No.66, West Changjiang Road, Huangdao District, Qingdao, Shandong Province, 266580, People's Republic of China;Shandong University of Science and Technology, No.579 Qianwangang Road, Huangdao District, Qingdao, Shandong Province, 266590, People's Republic of China ~72: Du Zhenyu;Jiao Tiantian;Li Xiangping;Liang Peng;Zhang Jianguang;Zhang Yaqing~

2021/08361 ~ Complete ~54:PROCESS FOR MODIFYING THE SURFACE POLARITY OF RUBBER SUBSTRATES ~71:Henkel AG & Co. KGaA, Henkelstrasse 67, DÜSSELDORF 40589, GERMANY, Germany ~72: MONESI, Alessio;SALMOIRAGHI, Eleonora;SIGNORILE, Marco;ZAFFARONI, Giorgio~ 33:EP ~31:19166067.9 ~32:29/03/2019

2021/08376 ~ Complete ~54:ONCOLYTIC ADENOVIRUS AND CHECKPOINT INHIBITOR COMBINATION THERAPY ~71:TILT BIOTHERAPEUTICS OY, c/o Haartman Instituutti, Haartmaninkatu 3 C, 00290 Helsinki, Finland ~72: AINO KALERVO;AKSELI HEMMINKI;JOAO VIEIRA LOURENCO DOS SANTOS;RIIKKA HAVUNEN;VICTOR CERVERA-CARRASCON~ 33:US ~31:62/861,339 ~32:14/06/2019;33:US ~31:62/988,422 ~32:12/03/2020

2021/08379 ~ Complete ~54:METHODS FOR OPTIMIZING GAS UTILIZATION ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: ALLAN HAIMING GAO;MICHAEL ANTHONY SCHULTZ;ROBERT JOHN CONRADO;SEBASTIAN MICHAL BERNASEK~ 33:US ~31:62/872,869 ~32:11/07/2019

2021/08335 ~ Complete ~54:OIL CONTAMINATION DETECTOR ~71:Shandong University of Science and Technology, No.579, Qianwangang Road, Huangdao District, Qingdao City, Shandong Province, People's Republic of China ~72: Feng Long;Su Jinpeng;Tian Ying;Yin Yibing;Zang Wanshun;Zhang Qiang~

2021/08355 ~ Complete ~54:METHOD FOR HARMLESS DISPOSAL OF CYANIDE TAILINGS BY SURFACE CRYSTALLIZATION PROCESS OF MICROCRYSTALLINE GLASS GRANULES ~71:BGRIMM TECHNOLOGY GROUP, BGRIMM R&D Center, No. 22, Bexing Road East, Daxing District, People's Republic of China ~72: LI, Weiguang;LI, Yong;YANG, Hang;ZHAO, Qingchao;ZHU, Yangge~ 33:CN ~31:202011289201.X ~32:17/11/2020

2021/08373 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING DIRECT REDUCED METAL
~71:GREENIRON H2 AB, Edsängsvägen 5B, Sweden ~72: MURRAY, Hans~ 33:SE ~31:1950403-4
~32:01/04/2019

2021/08378 ~ Complete ~54:A METHOD FOR EXTRACTING HYDROLYSATE, A BATCH COOKING SYSTEM
AND A HYDROLYSATE EXTRACTING ARRANGEMENT ~71:VALMET AB, 851 94 Sundsvall, Sweden ~72:
BERDINE COETZEE;HUNPHREY LANDMAN;JOHANN WAUTS;JUONI KARVONEN;LARI LAMMI;SUSANNA
MINNAAR~ 33:SE ~31:1950606-2 ~32:22/05/2019

2021/08334 ~ Complete ~54:EARLY WARNING METHOD OF GROUND SETTLEMENT DUE TO SUBWAY
CONSTRUCTION BASED ON CASE-BASED REASONING AND SYSTEM DYNAMICS ~71:Qingdao Agricultural
University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's
Republic of China ~72: LIU, Yan~

2021/08348 ~ Complete ~54:ANGIOTENSINOGEN (AGT) IRNA COMPOSITIONS AND METHODS OF USE
THEREOF ~71:ALNYLAM PHARMACEUTICALS, INC., 675 West Kendall Street, Henri A. Termeer Square,
Cambridge, Massachusetts, 02142, United States of America ~72: DONALD FOSTER;GREGORY
HINKLE;MARK K SCHLEGEL~ 33:US ~31:62/671,094 ~32:14/05/2018;33:US ~31:62/727,141
~32:05/09/2018;33:US ~31:62/816,996 ~32:12/03/2019

2021/08353 ~ Complete ~54:A METHOD AND A SYSTEM FOR SIMULATING A SOLID ANGLE OF AN
ACOUSTIC RAY IN AN ACOUSTIC FREE FIELD ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, 777
Jialingjiang Road, Huangdao District, People's Republic of China ~72: HU, Yong;LI, Xue;LIU, Dingdang;QIAN,
Cheng;SONG, Zhonghua;ZHANG, Shengquan~

2021/08354 ~ Complete ~54:INTEGRATED MACHINE AND HEAT EXCHANGE SYSTEM ~71:QINGDAO
UNIVERSITY OF TECHNOLOGY, 777 Jialingjiang Road, Huangdao District, People's Republic of China ~72: LI,
Wenjie;LI, Xue;LIU, Luheng;LIU, Wenjing;QIAN, Cheng;REN, Yanchao;ZHANG, Gaowei~

2021/08363 ~ Complete ~54:METHOD FOR PRODUCING CHROMIUM-CONTAINING MOLTEN IRON
~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan
~72: ASAHARA, Norifumi;FUTAKA, Mikio;KANEKO, Naoki;KATO, Katsuhiko;NAKAGAWA, Junichi;TANAKA,
Yasuhiro~ 33:JP ~31:2019-080179 ~32:19/04/2019

2021/08364 ~ Complete ~54:NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF
FOR THE TREATMENT OF INFLAMMATORY DISORDERS ~71:Galapagos NV, Generaal De Wittelaan L11/A3,
MECHELEN 2800, BELGIUM, Belgium ~72: BABEL, Marielle Gilles;BRYNS, Reginald Christophe
Xavier;MAMMOLITI, Oscar;NEWSOME, Gregory John Robert~ 33:GB ~31:1904374.4 ~32:29/03/2019

2021/08368 ~ Complete ~54:METHOD AND DEVICE FOR DEPOSITING A FIBER MATERIAL LAYER ON A
CARRIER ~71:Vivolta B.V., Van Dijklaan 6, WAALRE 5581 WG , THE NETHERLANDS, Netherlands ~72:
JANSSEN, Paul Johannes Franciscus Maria;SOLBERG, Ramon Hubertus Mathijs~ 33:NL ~31:2023085
~32:08/05/2019

2021/08328 ~ Complete ~54:METHOD FOR TREATING NATURAL GAS DRILLING SHALLOW WASTE AND
APPLICATION ~71:Chinese Research Academy of Environmental Sciences, No. 8 Dayangfang, Anwai Beiyuan,
Chaoyang District, Beijing , 100012, People's Republic of China ~72: GUO, Yajing;HAN, Guimei;YAN, Jialin~

2021/08343 ~ Complete ~54:FLUORESCENT PROBE, PREPARATION METHOD AND APPLICATION
THEREOF ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong
Province, 276000, People's Republic of China ~72: DAI, Zhichao;TIAN, Lu~

2021/08349 ~ Complete ~54:SLURRY PUMPING SYSTEM ~71:SPLITEQ (PTY) LTD., 6 St. Francis Drive, St. Francis, 6312, EASTERN CAPE, SOUTH AFRICA, South Africa ~72: HARRIS, Brett Earnest;KOOIKER, Bouke Johannes~ 33:ZA ~31:2020/06365 ~32:14/10/2020

2021/08366 ~ Complete ~54:SECURITY SYSTEMS AND PROCESSES INVOLVING BIOMETRIC AUTHENTICATION ~71:Active Witness Corp., 15543 Oxenham Ave., WHITE ROCK V4B 2J2, B.C., CANADA, Canada ~72: BAKSHI, Rajeev Kumar;BLACK, David Allan;WEIL, Joseph P.~ 33:US ~31:62/839,968 ~32:29/04/2019;33:US ~31:62/893,368 ~32:29/08/2019;33:US ~31:63/009,381 ~32:13/04/2020

2021/08346 ~ Complete ~54:ELECTROSURGICAL APPARATUS FOR TISSUE ABLATION ~71:CREO MEDICAL LIMITED, Creo House Unit 2, Beaufort Park, Beaufort Park Way, United Kingdom ~72: BURN, Patrick;CAMPION, Charlie;HANCOCK, Christopher Paul;TURNER, Louis~ 33:GB ~31:1707112.7 ~32:04/05/2017

2021/08351 ~ Complete ~54:MANAGED PRINT SERVICES (MPS) CONNECTOR ~71:INNOVATIVE PRINTING SERVICES (PTY) LTD., 253 Coral Tree Street, Greenstone Drive, BUSHWILLOW PARK, 1609, Gauteng, SOUTH AFRICA, South Africa ~72: BARTER, Leroy;ROTHERHAM, Nigel~ 33:ZA ~31:2020/06524 ~32:21/10/2020

2021/08365 ~ Complete ~54:NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF INFLAMMATORY DISORDERS ~71:Galapagos NV, Generaal De Wittelaan L11/A3, MECHELEN 2800, BELGIUM, Belgium ~72: BABEL, Marielle Gilles;BRYN, Reginald Christophe Xavier;MAMMOLITI, Oscar;NEWSOME, Gregory John Robert~ 33:GB ~31:1904375.1 ~32:29/03/2019

2021/08375 ~ Complete ~54:PUMP ASSEMBLY AND SYSTEM FOR INDUCING NEGATIVE PRESSURE IN A PORTION OF A URINARY TRACT OF A PATIENT ~71:ROIVOS LIMITED, c/o Delaney Corp. (Bahamas) Ltd., Lyford Manor, Western Road, Lyford Cay, P.O. Box CB-13007, Nassau, N.P., Bahamas ~72: ALAN HOANG;ANDREW CAHILL;DAVID E ORR;JACOB L UPPERCO;JENNY ZANG;JOHN R ERBEY II;OLIVIA SERGENT~ 33:US ~31:62/837,513 ~32:23/04/2019

2021/08325 ~ Provisional ~54:COMMUNICATION METHOD AND SYSTEM ~71:MARINOS STENOS, 92 FOREST AVENUE, NUMBER 14 BOBBY'S PLACE, South Africa ~72: MARINOS STENOS~

2021/08333 ~ Complete ~54:WOOD DEFECT DETECTION METHOD BASED ON COMPUTER IMAGE TECHNOLOGY AND TRANSFER LEARNING ~71:Jiangxi College of Applied Technology, No.25 Hongqi Avenue, Ganzhou City, Jiangxi, People's Republic of China ~72: Lai Yuwei;Ling Weiwei;Liu Chenlu;Luo Wenqiang;Xiao Wenbo;Zhan Zhiliang~ 33:CN ~31:202110955654X ~32:19/08/2021

2021/08336 ~ Complete ~54:THREE-STAGE TUBULAR T-SHAPED DEGASSING DEVICE WITH MICROBUBBLE AXIAL FLOW AND SPIRAL FLOW FIELDS ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao City, Shandong, 266525, People's Republic of China ~72: CHEN, Ji;HAO, Aigang;HAO, Zhongxian;LIU, Xinfu;SHI, Yongjun;WANG, Jianfeng;WANG, Xiaolei;WU, Xiaoming;XING, Wen;YU, Chaoyong;YU, Guanghai;ZHANG, Ruiqiang~

2021/08358 ~ Complete ~54:ANTIBODY DRUG CONJUGATES WITH CLEAVABLE LINKERS ~71:HEIDELBERG PHARMA RESEARCH GMBH, Gregor-Mendel-Strasse 22, Germany ~72: Andreas PAHL;Christoph MUELLER;Francesca GALLO;Michael KULKE;Susanne WERNER-SIMON;Torsten HECHLER;Werner SIMON~ 33:EP ~31:19176278.0 ~32:23/05/2019

2021/08344 ~ Complete ~54:SPAT LAND-SEA RELAY TRANSPORTATION METHOD ~71:South China Sea Fisheries Research Institute, Chinese Academy of Fishery Sciences, 27 Zhongshan Road, Xincun Town, Lingshui

County, Hainan Province, 572426, People's Republic of China ~72: MA, Zhenhua;MENG, Xiangjun;WEN, Weigeng;YU, Gang;ZHAO, Wang~ 33:CN ~31:202110312329.1 ~32:24/03/2021

2021/08342 ~ Complete ~54:DIGITAL TWIN EVOLUTION MECHANISM AND METHOD FOR INTELLIGENT MINE SCENES ~71:SINOSTEEL MAANSHAN GENERAL INSTITUTE OF MINING RESEARCH CO.,LTD, No. 666, Xitang Road, Economic and Technological Development Zone, Maanshan City, Anhui Province, 243000, People's Republic of China ~72: DAI, Bibo;LUO, Minghua;NIE, Wen;WANG, Xing;XU, Hanhua;ZHOU, Yuxin~ 33:CN ~31:202110513144.7 ~32:11/05/2021

2021/08350 ~ Complete ~54:USE OF A SURFACE ACTIVE INGREDIENT COMPOSITION IN A FIRE EXTINGUISHING AND FIRE DEVICES ~71:SPLITEQ (PTY) LTD., 6 St. Francis Drive, St. Francis, 6312, EASTERN CAPE, SOUTH AFRICA, South Africa ~72: HARRIS, Brett Earnest;KOOIKER, Bouke Johannes~ 33:ZA ~31:2020/06366 ~32:14/10/2020

2021/08359 ~ Complete ~54:NETWORK NODE, USER EQUIPMENT (UE), AND ASSOCIATED METHODS FOR SCHEDULING OF THE UE BY THE NETWORK NODE ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), 164 83, Sweden ~72: MALEKI, Sina;NADER, Ali;NIMBALKER, Ajit;REIAL, Andres~ 33:US ~31:62/828,218 ~32:02/04/2019

2021/08374 ~ Complete ~54:PYRROLOHETEROCYCLIC DERIVATIVE, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF IN MEDICINE ~71:JIANGSU HENGRUI MEDICINE CO., LTD., No. 7 Kunlunshan Road, Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China;SHANGHAI HENGRUI PHARMACEUTICAL CO., LTD., No. 279 Wenjing Road Minhang District, Shanghai, 200245, People's Republic of China ~72: FANG YANG;FENG HE;GUODONG CAI;WEIKANG TAO;XIN LI~ 33:CN ~31:201910247297.4 ~32:29/03/2019;33:CN ~31:202010194720.1 ~32:19/03/2020

- APPLIED ON 2021/10/29 -

2021/08435 ~ Complete ~54:PLASTIC GRANULATION PRODUCTION LINE AND MATERIAL ROD COOLING FLUME EQUIPPED THEREFOR ~71:HIGHER TECHNOLOGY CO., LTD, NO.29 INDUSTRIAL ROAD, HAIRUN STREET, SANMEN TAIZHOU, People's Republic of China ~72: CHEN, Bainian;LAI, Zhenhong;LI, Junfeng;LIN, Ying;MEI, Zhong;XU, Bin;XU, Suping~ 33:CN ~31:202111203925.2 ~32:15/10/2021

2021/08407 ~ Complete ~54:INTERFACIAL REINFORCED CARBON NANOTUBE SIZING AGENT FOR CARBON FIBER AND PREPARATION METHOD THEREOF ~71:Shandong University, No.180 Wenhua West Road, Weihai City, Shandong Province, People's Republic of China;Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial Park, Lingang District, Weihai city, Shandong Province, People's Republic of China ~72: Di Chengrui;Qiao Kun;Yu Junwei;Zhu Bo~

2021/08392 ~ Complete ~54:AL₂O₃-CBN-BASED COMPOSITE CERAMIC CUTTER MATERIAL AND THE PREPARATION METHOD THEREOF ~71:Zhengzhou University of Aeronautics, No.2, Daxue Middle Road, Erqi District, Zhengzhou, Henan, 450015, People's Republic of China ~72: Fan, Lei;Yang, Lutong;Yang, Shoulei;Zhang, Mengwen~

2021/08412 ~ Complete ~54:METHOD FOR CALCULATING SEMANTIC RELATIVITY BY CONSIDERING RELATIONSHIP BETWEEN CONCEPTS ~71:SHANDONG FIRST MEDICAL UNIVERSITY & SHANDONG ACADEMY OF MEDICAL SCIENCES, NO. 6699, QINGDAO ROAD, People's Republic of China;SHANDONG INSTITUTE OF MEDICINE AND HEALTH INFORMATION, NO. 6699, QINGDAO ROAD, People's Republic of China ~72: DUAN, YONGXUAN;FAN, JUN;GUO, LEI;JIN, XU;SONG, YAN;XI, MIN;YANG, XIUYUN;YUE, YUAN;ZHANG, RUI;ZHAO, WU~

2021/08425 ~ Complete ~54:PARTIAL INSULATION WITH DIAGNOSTIC PICKUP COILS ~71:TOKAMAK ENERGY LTD, 173 Brook Drive, Milton, Abingdon, United Kingdom ~72: BATEMAN, Rod;SLADE, Robert;VAN NUGTEREN, Bas~ 33:GB ~31:1904528.5 ~32:01/04/2019

2021/08382 ~ Provisional ~54:BIOMETRIC VEHICLE ACTIVATION ~71:Duan Tupper, 21 Tambotie Street, South Africa;Rayford Tupper, 21 Tambotie Street, South Africa ~72: Duan Tupper~ 33:ZA ~31:25102021 ~32:25/10/2021

2021/08398 ~ Complete ~54:RAPID SEPARATION AND CULTURE METHOD OF TUBER INDICUM COOKE ET MASSEE HYPHAE ~71:Qingdao Agricultural University, No. 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China ~72: Li Shuwen~

2021/08381 ~ Provisional ~54:PROTECTIVE MATERIAL AND PRODUCT MADE THEREFROM ~71:DE HARDE, Barend Hendrik, 123 Road Number 3, Victory Park, South Africa ~72: DE HARDE, Barend Hendrik~

2021/08399 ~ Complete ~54:SURGICAL OPERATION DEMONSTRATION TRAINING SYSTEM ~71:The Second Affiliated Hospital of Kunming Medical University, No. 374 Dianmian Road, Wuhua District, Kunming City, Yunnan Province, People's Republic of China ~72: Ke Yang;Li Long;Li Yuehua;Lv Juntao;Wang Jiaping;Wu Yushan;Yang Xiaoyan;Yin Yanlu;Zheng Kai;Zu Shaoqi~

2021/08418 ~ Complete ~54:FLEXIBLE ANTENNA STRUCTURE AND ELECTRONIC DEVICE ~71:ETHETA COMMUNICATION TECHNOLOGY (SHENZHEN) CO., LTD., FLOOR 4, INDEPENDENT BUILDING, NO 6, ZHANGFENG RD, ORIENTAL COMMUNITY, SONGGANG ST., BAO'AN DISTRICT, GUANGDONG PROVINCE, People's Republic of China ~72: GAO, Dasong;HUANG, Huan-Chu;LIN, Hong;QI, Zhixing;ZHOU, Yanchao~ 33:CN ~31:202111140115.7 ~32:28/09/2021

2021/08439 ~ Complete ~54:ASSEMBLY AND METHOD FOR ATTACHING A HELIOSTAT TO A FOUNDATION ~71:VAST SOLAR PTY LTD, 226 Liverpool Street, Darlinghurst, New South Wales, 2010, Australia ~72: BENJAMIN CHARLES PLANT;BRUCE ALEXANDER LESLIE~ 33:AU ~31:2019901160 ~32:04/04/2019

2021/08446 ~ Complete ~54:DEUTERATED CAFFEINE AND USES THEREOF ~71:Lennham Pharmaceuticals, Inc., 200 Newtown Road, ACTON 01720, MA, USA, United States of America ~72: SIPPY, Bradford C.~ 33:US ~31:62/861,517 ~32:14/06/2019;33:US ~31:16/452,316 ~32:25/06/2019;33:US ~31:16/752,407 ~32:24/01/2020

2021/08456 ~ Complete ~54:INTEGRATED SEWAGE TREATMENT EQUIPMENT AND SEWAGE TREATMENT METHOD BASED ON A/O-MBBR PROCESS ~71:JIANGSU CRRC ENVIRONMENT CO., LTD., Zhengwen Road, Yushan High Tech Industrial Park, Changshu City, Suzhou, People's Republic of China ~72: GE, Huichao;HUA, Ziwen;MU, Dandan;REN, Liang;SUN, Hongqin;ZHANG, Kang;ZHANG, Lichao~ 33:CN ~31:202010555017.9 ~32:17/06/2020

2021/08384 ~ Provisional ~54:A SEALING DEVICE ~71:VAN DEN BERG, Jan, Dirk, Johannes, 22 CYPRESS CRESCENT, JIM FOUCHEPARK, WELKOM, SOUTH AFRICA, South Africa ~72: VAN DEN BERG, Jan, Dirk, Johannes~

2021/08451 ~ Complete ~54:THYRISTOR CIRCUIT AND THYRISTOR PROTECTION METHOD ~71:ABB Schweiz AG, Bruggstrasse 66, BADEN 5400, SWITZERLAND, Switzerland ~72: BAECHLE, Ralf;STADLER, Raeto~ 33:EP ~31:19173822.8 ~32:10/05/2019

2021/08437 ~ Complete ~54:FUSION POLYPEPTIDE COMPRISING FC REGION OF IMMUNOGLOBULIN AND GDF15 ~71:LG CHEM, LTD., 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea ~72: JI A

PARK;JI HO HONG;KYEONGSIK MIN;KYUBONG NA;MYUNG WON JIN;SAEM JUNG;SOOMIN NOH;YEONCHUL KIM;YOUNG DOK SON~ 33:KR ~31:10-2019-0047558 ~32:23/04/2019

2021/08447 ~ Complete ~54:INJECTION FLUIDS COMPRISING ANIONIC SURFACTANTS AND ALKOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS IN CHEMICAL ENHANCED OIL RECOVERY PROCESSES ~71:Sasol Chemicals GmbH, Anckelmannsplatz 1, HAMBURG 20537, GERMANY, Germany ~72: FERNANDEZ, Jorge M.;MORGAN, Carla A.;NGUYEN, Thu~ 33:US ~31:62/842,663 ~32:03/05/2019

2021/08448 ~ Complete ~54:NON-AQUEOUS DEFOAMER COMPOSITIONS AND THEIR USE TO CONTROL FOAMING OF NON-AQUEOUS FOAMS ~71:Sasol Chemicals GmbH, Anckelmannsplatz 1, HAMBURG 20537, GERMANY, Germany ~72: JAMES, Ollie;LANDRY, Dustin;VARADARAJ, Ramesh~ 33:US ~31:62/842,665 ~32:03/05/2019

2021/08402 ~ Complete ~54:PREMIXED FEED FOR IMPROVING ODOR OF PIG FECES AND APPLICATION THEREOF ~71:Sichuan Animal Science Academy, No.7 Niussha Street, Chengdu, Sichuan Province, 610066, People's Republic of China ~72: Jiayou, Yan;Shengyao, Kuang;Shuwei, Li;Wenjie, Tang~ 33:CN ~31:CN202110033328.3 ~32:12/01/2021

2021/08428 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING DIRECT REDUCED METAL ~71:GREENIRON H2 AB, Edsängsvägen 5B, Sweden ~72: MURRAY, Hans~ 33:SE ~31:1950403-4 ~32:01/04/2019

2021/08444 ~ Complete ~54:CERIUM (III) CARBONATE FORMULATIONS ~71:The Regents of the University of California, 1111 Franklin Street, 12th Floor, OAKLAND 94607, CA, USA, United States of America ~72: KATZ, Alexander;MISHRA, Manish~ 33:US ~31:62/837,657 ~32:23/04/2019

2021/08401 ~ Complete ~54:THREE-DIMENSIONAL BRAIDED THERMOPLASTIC COMPOSITE MATERIAL AUTOMOBILE RIM AND PREPARATION AND APPLICATION THEREOF ~71:Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial Park, Lingang District, Weihai city, Shandong Province, People's Republic of China ~72: Di Chengrui;Qiao Kun;Zhu Anping;Zhu Bo~

2021/08419 ~ Complete ~54:FLEXIBLE CO-AXIAL SENSOR ARRANGEMENT ~71:ARCPRO INDUSTRIES (PTY) LTD., Unit 4 Cranberry Industrial Park, Cranberry Street, Laser Park, HONEYDEW, Johannesburg 1724, Gauteng, SOUTH AFRICA, South Africa ~72: JACKSON, Jude Gerard~ 33:ZA ~31:2021/01513 ~32:05/03/2021

2021/08422 ~ Complete ~54:ANTI-CD25 FOR TUMOUR SPECIFIC CELL DEPLETION ~71:Cancer Research Technology Limited, 2 Redman Place, LONDON E20 1JQ, UNITED KINGDOM, United Kingdom;Tusk Therapeutics Ltd, 6 Falcon Way, Shire Park, WELWYN GARDEN CITY AL7 1TW, HERFORDSHIRE, UNITED KINGDOM, United Kingdom ~72: BROWN, Mark;GEOGHEGAN, James;GOUBIER, Anne;GOYENECHEA CORZO, Beatriz;MERCHIER, Pascal;MOULDER, Kevin;PRINZ, Bianka;QUEZADA, Sergio;SALIMU, Josephine~ 33:GB ~31:1804027.9 ~32:13/03/2018;33:GB ~31:1804028.7 ~32:13/03/2018;33:GB ~31:1804029.5 ~32:13/03/2018;33:IB ~31:2018/056312 ~32:13/03/2018;33:US ~31:62/642,218 ~32:13/03/2018;33:US ~31:62/642,230 ~32:13/03/2018;33:US ~31:62/642,232 ~32:13/03/2018;33:US ~31:62/642,243 ~32:13/03/2018;33:US ~31:62/642,248 ~32:13/03/2018

2021/08430 ~ Complete ~54:WIND TURBINE ~71:BOIKO, Valentin Vasilevitch, Mescherini-1, 5, apt. 23 Moscow region, Stupenskii district., Russian Federation;CHUFISTOV, Sergey Viktorovitch, Novoryazanskaya str., d. 30 A, apt. 73, Russian Federation;KRIULIN, Yuri Valentinovitch, Piskunova str., 137/3, apt. 38 g., Russian Federation ~72: BOIKO, Valentin Vasilevitch;CHUFISTOV, Sergey Viktorovitch;KRIULIN, Yuri Valentinovitch~ 33:RU ~31:2019110206 ~32:05/04/2019

2021/08445 ~ Complete ~54:ANTAGONISTS OF THE COMPLEMENT SYSTEM FOR USE IN METHODS OF TREATING PARAPROTEINEMIC NEUROPATHIES ~71:argenx BVBA, Industriepark Zwijnaarde 7, GENT 9052, BELGIUM, Belgium ~72: BLANCHETOT, Christophe;BOROSS, Peter;BUDDING, Kevin;HACK, Erik;SILENCE, Karen;VAN DE WALLE, Inge;VAN DER POL, Ludo~ 33:GB ~31:1907153.9 ~32:21/05/2019

2021/08403 ~ Complete ~54:METHOD FOR RECYCLING FIBER REINFORCED COMPOSITE SUCKER ROD ~71:Shandong University Weihai Industrial Technology Research Institute, No.180 Wenhua West Road, Weihai City, Shandong Province, People's Republic of China;Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial Park, Lingang District, Weihai city, Shandong Province, People's Republic of China ~72: Ci Shengzong;Di Chengrui;Qiao Kun;Zhu Anping;Zhu Bo~

2021/08408 ~ Complete ~54:3D PRINTER AND ITS PRINTING METHOD ALLOWING FOR INFINITE PRINT LENGTH ~71:Shandong University Weihai Industrial Technology Research Institute, No.180 Wenhua West Road, Weihai City, Shandong Province, People's Republic of China;Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial Park, Lingang District, Weihai City, Shandong Province, People's Republic of China ~72: Di Chengrui;Qiao Kun;Sun Yue;Zhu Anping;Zhu Bo~

2021/08416 ~ Complete ~54:AUTOMATED MANAGEMENT SYSTEM FOR ASSET FINANCE INSURANCE ~71:MONARD CAPITAL AG, Birkenstrasse 47, Switzerland ~72: DAVIS, Richard Peter Duncan;VOS, Marius~

2021/08424 ~ Complete ~54:INTRATHECAL AND INTRAVENOUS COMBINATION GENE THERAPY FOR THE TREATMENT OF INFANTILE BATTEN DISEASE ~71:MILLER, Timothy J., c/o Abeona Therapeutics, Inc., 1330 Avenue of the Americas, 33rd Floor, United States of America;THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, 109 Church Street, Chapel Hill, United States of America ~72: GRAY, Steven J.;MILLER, Timothy J.~ 33:US ~31:62/840,360 ~32:29/04/2019

2021/08455 ~ Complete ~54:LENS COVER HAVING LENS ELEMENT ~71:HGCI, INC., 3993 Howard Hughes Parkway, United States of America ~72: CAI, Dengke;HUO, Yongfeng~ 33:WO ~31:PCT/CN2020/132703 ~32:30/11/2020

2021/08386 ~ Provisional ~54:MULTIFUNCTIONAL CUTTING AND HAMMERING MINING DEVICE ~71:Drilling Technical Services (Pty) Ltd., 4 Bosman Street, FOCHVILLE, 2515, Gauteng, SOUTH AFRICA, South Africa ~72: JORDAAN, Barend Jacobus;ROOTHMAN, Willem Hermanus~

2021/08397 ~ Complete ~54:EVALUATION METHOD OF COW FEED INTAKE BASED ON BP NEURAL NETWORK OPTIMIZED BY GENETIC ALGORITHM ~71:Northeast Agricultural University, No.600 Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Dai Baisheng;Fu Qiang;Shen Weizheng;Wei Xiaoli;Xiong Benhai;Zhang Yonggen~

2021/08420 ~ Complete ~54:WEAR ASSEMBLY ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR, USA, United States of America ~72: CONKLIN, Donald M.;JOHNSTON, Christopher A.;ROSKA, Michael B.;ROSSI, William D.;STANGELAND, Kevin S.~ 33:US ~31:61/563,448 ~32:23/11/2011;33:US ~31:61/720,928 ~32:31/10/2012

2021/08432 ~ Complete ~54:COPPER EXTRUDATE CATALYST AND APPLICATIONS FOR HYDROGENATION AND HYDROGENOLYSIS ~71:BASF CORPORATION, 100 PARK AVENUE, FLORHAM PARK, NEW JERSEY 07932, USA, United States of America ~72: ANGEL, Matthew;CHEN, Jian-Ping;KUNDU, Arunabha~ 33:US ~31:62/827,498 ~32:01/04/2019

2021/08436 ~ Complete ~54:IMPROVED METHOD FOR PURGING PAINT CIRCUITS AND WATERBORNE PURGE CLEANER ~71:CHEMETALL GMBH, TRAKEHNER STRASSE 3, 60487 FRANKFURT, GERMANY,

Germany ~72: CASAMOR, Jose, M.;GIRBAU, Jordi;JAEN FRANCO, Miguel, Angel~ 33:EP ~31:19167026.4 ~32:03/04/2019

2021/08434 ~ Complete ~54:METHOD AND APPARATUS FOR CELLULAR INTERNET OF THINGS (CIOT) DATA TRANSFER OVER A CONTROL PLANE IN A WIRELESS COMMUNICATION SYSTEM ~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: LIU, Jennifer~ 33:US ~31:62/828,223 ~32:02/04/2019;33:US ~31:62/833,334 ~32:12/04/2019

2021/08383 ~ Provisional ~54:HELMET ~71:DE HARDE, Barend Hendrik, 123 Road Number 3, Victory Park, South Africa ~72: DE HARDE, Barend Hendrik~

2021/08390 ~ Complete ~54:METHOD FOR OBTAINING HIGH-QUALITY SILKWORM COCOONS AND APPLICATION OF HIGH-QUALITY SILKWORM COCOONS ~71:Bijie Huijiang Sericulture Development Co., Ltd., The First Pioneer Park of Small and Micro Enterprises, Qixingguan District, Bijie City, Guizhou Province, 551799, People's Republic of China;Guizhou Canlayuan Technology Co., Ltd., No.14 Wujiang East Road, Xipu New District, Zunyi City, Guizhou Province, 563000, People's Republic of China;Guizhou Sericulture Research Institute (Guizhou Pepper Research Institute), Jinzhu Town, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China;SOUTHWEST UNIVERSITY, No.2 Tiansheng Road, Beibei District,, Chongqing, 400700, People's Republic of China ~72: DAI, Fangyin;LIU, Zhongming;LUO, Chaobin;QING, Zhuo;REN, Xiaoxiao;SUN, Yunpeng;YANG, Wanjun;ZHANG, Yingxiang~

2021/08394 ~ Complete ~54:IDENTIFYING AND PROCESSING METHOD OF FLOWING WATER WEAK BROKEN SURROUNDING ROCK HIGH-PRESSURE GROUTING RHEOLOGICAL DATA ~71:CHINA RAILWAY 11TH BUREAU GROUP FOURTH ENGINEERING CO., LTD., Guanghua Road, Donghu High Tech Development Zone, Wuhan, Hubei, People's Republic of China;NANNING SURVEY AND DESIGN INSTITUTE CO., LTD. OF CHINA RAILWAY SIYUAN GROUP, No. 3, Gaoxin Fifth Road, Nanning, Guangxi, People's Republic of China;Wujiu Railway Passenger Dedicated Line Hubei Co., Ltd., No. 399, Wenhua Avenue, Jiangxia District, Wuhan, Hubei, People's Republic of China ~72: CHEN, Zhiming;GAO, Jun;GAO, Yuxin;HUANG, Zhengkai;LI, Jianhua;LIN, Xiao;WANG, Zhengyi;WENG, Xiaochuan;XIONG, Xiaohui;XU, Dan;XUE, Huiling;ZHANG, Yuanzheng~

2021/08410 ~ Complete ~54:THERMOPLASTIC COMPOSITE MATERIAL DIRECTLY FORMED BY LASER AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Shandong University, No.180 Wenhua West Road, Weihai City, Shandong Province, People's Republic of China;Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial Park, Lingang District, Weihai City, Shandong Province, People's Republic of China ~72: Di Chengrui;Qiao Kun;Yu Junwei;Zhu Anping;Zhu Bo~

2021/08417 ~ Complete ~54:EFFICIENT COMBINED COLLECTOR FOR MICRO-FINE RUTILE, AND PREPARATION METHOD AND USE THEREOF ~71:CENTRAL SOUTH UNIVERSITY, Hunan Province, People's Republic of China ~72: HUANG, Hongjun;LIU, Fangfang~ 33:CN ~31:202110570245.8 ~32:25/05/2021

2021/08421 ~ Complete ~54:COMPOUNDS FOR IMPROVING MRNA SPLICING ~71:The General Hospital Corporation, 55 Fruit Street, BOSTON 02114, MA, USA, United States of America;The United States of America, as represented by the Secretary, Department of Health and Human Services, Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, BETHESDA 20892-7660, MD, USA, United States of America ~72: JOHNSON, Graham;MARUGAN, Juan;PAQUETTE, William D.;SLAUGENHAUPT, Susan A.;ZHANG, Wei~ 33:US ~31:62/104,547 ~32:16/01/2015;33:US ~31:62/180,380 ~32:16/06/2015

2021/08429 ~ Complete ~54:CARBAMOYL CYCLOHEXANE DERIVATIVES FOR TREATING AUTISM SPECTRUM DISORDER ~71:RICHTER GEDEON NYRT., H-1103 Budapest, Hungary ~72: ADHAM-PARANGI,

Nika;PO-JEN YEUNG, Paul;ROGER EARLEY, Willie;ROMÁN, Viktor~ 33:HU ~31:P1900121
~32:10/04/2019

2021/08449 ~ Complete ~54:ALCOHOL ALKOXYLATE MIXTURES AS CONCENTRATED AQUEOUS
DEFOAMERS ~71:Sasol Chemicals GmbH, Anckelmannsplatz 1, HAMBURG 20537, GERMANY, Germany ~72:
DIARRA, Alpha;FERNANDEZ, Jorge M.;JAMES, Ollie;LANDRY, Dustin;STANCIU, Cornell~ 33:US
~31:62/842,669 ~32:03/05/2019

2021/08454 ~ Complete ~54:PHARMACEUTICAL FORMULATIONS OF FCRN INHIBITORS SUITABLE FOR
SUBCUTANEOUS ADMINISTRATION ~71:argenx BVBA, Industriepark Zwijnaarde 7, ZWIJNAARDE B-9052,
BELGIUM, Belgium ~72: BORGIONS, Filip;LEMOULT, Stephanie;MEERSCHAERT, Kris~ 33:US
~31:62/858,806 ~32:07/06/2019

2021/08409 ~ Complete ~54:DOUBLE-TARGET-SURFACE MULTI-LATTICE DISTRIBUTED ACOUSTIC
PRECISION TARGET AND WARHEAD SHOCK WAVE MACH ANGLE TESTING METHOD ~71:Xi'an
Technological University, No. 2, Xuefu Middle Road, Weiyang District, Xi'an City, Shaanxi Province, 710021,
People's Republic of China ~72: CAI, Rongli;TAN, Linqiu;ZHANG, Jiawei~ 33:CN ~31:202110389526.3
~32:12/04/2021

2021/08405 ~ Complete ~54:RECOVERY METHOD FOR FIBER-REINFORCED COMPOSITE MATERIAL
SUCKER ROD ~71:Shandong University, No.73 Jingshi Road, Jinan City, Shandong Province, People's Republic
of China;Weihai Junwei Composite Material Co., LTD, No.5 Dedicated Research Building, Carbon Fiber Industrial
Park, Lingang District, Weihai city, Shandong Province, People's Republic of China ~72: Di Chengrui;Fu
Yunguo;Qiao Kun;Wang Baoming;Yu Junwei;Zhu Bo~

2021/08414 ~ Complete ~54:FLAMEPROOF JUNCTION BOX ~71:PRATLEY INVESTMENTS (PTY) LTD, 14
Jackson Street, Fatoria, South Africa ~72: BREEDT, Sven Johann;ROOS, Aldo Juan~ 33:ZA ~31:2020/07515
~32:03/12/2020

2021/08423 ~ Complete ~54:A METHOD FOR BIODIVERSITY ASSESSMENT AND BIOLOGICAL PROFILING
OF THE PERENNIAL PLANT SPECIES ON THE BASIS OF FOREST PLOT ~71:GUPTA, Ajay Kumar,
University Institute of Pharmacy, CSJM University, UP, India;KATIYAR, Shaswat, University Institute of
Pharmacy, CSJM University, UP, India;SINGH, Anju, University Institute of Pharmacy, CSJM University, UP,
India;TILAK, Vijay Kumar, Apex Professional University, Gumin Nagar, Pasighat East Siang, India;TIWARI,
Gaurav, Institute of Pharmacy, Pranveer Singh Institute of Technology, Bhauti, UP, India ~72: GUPTA, Ajay
Kumar;KATIYAR, Shaswat;SINGH, Anju;TILAK, Vijay Kumar;TIWARI, Gaurav~

2021/08431 ~ Complete ~54:CIRCULATION COOLING DEVICE FOR COMPOSITE FOOT PAD PRODUCTION
WORKSHOP AND PRODUCT COLLECTION METHOD ~71:HIGHER TECHNOLOGY CO., LTD., NO.29
INDUSTRIAL ROAD, HAIRUN STREET, People's Republic of China ~72: LI, JUNFENG;LIN, XIAO;QU,
TIANBIN;SHI, CHONG~ 33:CN ~31:202110906601.9 ~32:09/08/2021

2021/08440 ~ Complete ~54:CYTOPLASMIC MALE STERILE PLANT OF GENUS LACTUCA HAVING
IMPROVED LOW TEMPERATURE GROWTH ABILITY ~71:SAKATA SEED CORPORATION, 2-7-1,
Nakamachidai, Tsuzuki-ku Yokohama-shi, Kanagawa, 2240041, Japan ~72: ATSUSHI IZUMIDA;SHINGO
HORIUCHI;TAKAO SUZUKI;YASUO TANAKA~ 33:JP ~31:2019-078905 ~32:17/04/2019

2021/08404 ~ Complete ~54:THE APPLICATION OF ORAL BACTERIA LIQUID CARRIER ~71:The Second
Affiliated Hospital of Wenzhou Medical University (Yuying Children's Hospital affiliated to Wenzhou Medical
University), No.1111 East Wenzhou Dadao, Longwan District, Wenzhou City, Zhejiang Province, People's

Republic of China ~72: Chen Yaoxuan;Pan Binhui;Shi Jiangmin;Wang Fangyan;Xu Changlong;Xu Sheng;Xu Zhihua~ 33:CN ~31:202111115108.1 ~32:23/09/2021

2021/08441 ~ Complete ~54:ULTRA LOW PERMEABILITY AND HIGH SEAM STRENGTH FABRIC AND METHODS OF MAKING THE SAME ~71:INVISTA TEXTILES (U.K.) LIMITED, One St. Peter's Square, Manchester, M2 3DE, United Kingdom ~72: NEIL HUNT~ 33:US ~31:62/840,427 ~32:30/04/2019

2021/08415 ~ Complete ~54:TELECOMMUNICATIONS ENCLOSURE AND ORGANIZER ~71:COMMSCOPE CONNECTIVITY BELGIUM BVBA, DIESTSESTEENWEG 692, B-3010 KESSEL-LO, BELGIUM, Belgium ~72: AZNAG, Mohamed;COENEGRACHT, Philippe;DE GROE, Emilie;DOULTREMONT, Pieter;FREDERICKX, Maddy, Nadine;HOUBEN, Diederik;KEUSTERMANS, Eric, Marcel, M.;MICHIELS, Maarten;VAN GENECHTEN, Geert~ 33:US ~31:61/619,747 ~32:03/04/2012;33:US ~31:61/766,514 ~32:19/02/2013

2021/08389 ~ Complete ~54:RESOURCE TREATMENT TECHNOLOGY OF PICKLING WASTE LIQUOR IN IRON AND STEEL INDUSTRY ~71:Shanghai Urban Construction Vocational College, No.2360 Jungong Road, Yangpu District, Shanghai, People's Republic of China ~72: Bao Jingyao;Jiang Chunhua;Zhai Jian~

2021/08385 ~ Provisional ~54:A BATTERY CHARGING SYSTEM ~71:LEIBRANDT, Stephen, Johannes, 1175 MARKET STREET, BOOYSENS, PRETORIA, 0082, South Africa ~72: LEIBRANDT, Stephen, Johannes~

2021/08393 ~ Complete ~54:METHOD FOR SIMULATING GEOTHERMAL TAILWATER REINJECTION AND TRACER TEST ~71:801 Institute of Hydrogeology and Engineering Geology, SPBGM, 13632 Jingshi Road, Lixia District, Jinan City, Shandong Province, People's Republic of China;Dizi New Energy Technology Co. LTD, 6596 Dongfanghongdong Road, Economic and technological development zone, Dezhou City, Shandong Province, People's Republic of China;Second Institute of Hydrogeology and Engineering Geology, SPBGM, No.1499 Daxuedong Road, Decheng District, Dezhou City, Shandong Province, People's Republic of China;Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), No.74 Lishan Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Bai Tong;Kang Fengxin;Sui Haibo;Sun Xiaoxiao;Wang Xuepeng;Wei Shanming;Yang Xunchang;Yang Yabin;Zheng Tingting;Zhou Qundao~

2021/08426 ~ Complete ~54:ADJUSTMENT DEVICE AND METHOD FOR FLEXIBLE WALL SURFACE UNDER DROPLET IMPACTION ~71:BINZHOU UNIVERSITY, No. 391, Huanghe 5th Road, Binzhou City, Shandong Province, 256600, People's Republic of China ~72: Guo, Ruichao~ 33:CN ~31:202122078745.8 ~32:31/08/2021

2021/08433 ~ Complete ~54:INHIBITORS OF ALDOSE REDUCTASE ~71:APPLIED THERAPEUTICS INC., 545 FIFTH AVENUE, SUITE 1400, NEW YORK, NEW YORK 10017, USA, United States of America ~72: WASMUTH, Andrew~ 33:US ~31:62/827,362 ~32:01/04/2019;33:US ~31:62/928,735 ~32:31/10/2019

2021/08391 ~ Complete ~54:BIOMARKERS FOR PREDICTING PROGRESSION OF INTRAVENOUS LEIOMYOMATOSIS ~71:PEKING UNION MEDICAL COLLEGE HOSPITAL, No.1, Shuaifuyuan, Wangfujing, Dongcheng District, Beijing , 100070, People's Republic of China ~72: FENG, Penghui;GE, Zhitong;LI, Jianchu;YU, Qi;ZHANG, Zijuan~ 33:CN ~31:202110715015.6 ~32:25/06/2021;33:CN ~31:202110811846.3 ~32:19/07/2021

2021/08400 ~ Complete ~54:ADAPTIVE FITTING DEVICE FOR MAIN SHAFT OF PERMANENT MAGNET SUSPENSION TYPE GRINDING ROBOT ~71:Anhui University of Science & Technology, No.168, Taifeng Road, Huainan, Anhui, 232001, People's Republic of China ~72: JING, Peng;WANG, Cunyi;WANG, Pengyu;YANG, Wenlong~

2021/08411 ~ Complete ~54:VEHICLE ORIENTED PUBLIC NURSING FACILITY ~71:Hefei University of Technology, 193 Tunxi Road, Hefei, Anhui, 230009, People's Republic of China;North Minzu University, No. 204,

Wenchang North Street, Xixia District, Yinchuan City, Ningxia, 750021, People's Republic of China ~72: LI, Maoqiang;LIU, Zhifeng;MU, Chunyang;ZHANG, Qinwei~

2021/08427 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING DIRECT REDUCED METAL
~71:GREENIRON H2 AB, Edsängsvägen 5B, Sweden ~72: MURRAY, Hans~ 33:SE ~31:1950403-4
~32:01/04/2019

2021/08438 ~ Complete ~54:OPTIMIZED CELL-FREE SYNTHESIS OF INVASION PLASMID ANTIGEN B AND RELATED COMPOSITIONS AND METHODS OF USE ~71:VAXCYTE, INC., 353 Hatch Drive, Foster City, California, 94404, United States of America ~72: JEFFERY FAIRMAN;NEERAJ KAPOOR~ 33:US
~31:62/828,364 ~32:02/04/2019

2021/08443 ~ Complete ~54:PROTEIN TYROSINE PHOSPHATASE INHIBITORS ~71:Array BioPharma Inc., 3200 Walnut Street, BOULDER 80301, CO, USA, United States of America ~72: BLAKE, James F.;BOYS, Mark Laurence;CHICARELLI, Mark Joseph;COOK, Adam W.;ELSAIED, Mohamed S.A.;FELL, Jay Bradford;FISCHER, John P.;HINKLIN, Ronald Jay;JIANG, Yutong;MCNULTY, Oren T.;MEJIA, Macedonio J.;RODRIGUEZ, Martha E.;WONG, Christina E.~ 33:US ~31:62/828,356 ~32:02/04/2019;33:US ~31:62/992,558 ~32:20/03/2020

2021/08450 ~ Complete ~54:FOCUSSED CHARGE ELECTROSPINNING SPINNERET ~71:Vivolta B.V., Van Dijklaan 6, WAALRE 5581 WG , THE NETHERLANDS, Netherlands ~72: JANSSEN, Paul Johannes Franciscus Maria;SIMONET, Marc;SOLBERG, Ramon Hubertus Mathijs~ 33:NL ~31:2023086 ~32:08/05/2019

2021/08453 ~ Complete ~54:COMPOSITIONS USEFUL IN TREATMENT OF METACHROMATIC LEUKODYSTROPHY ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd., 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: HORDEAUX, Juliette;WILSON, James~ 33:US
~31:62/843,091 ~32:03/05/2019

2021/08413 ~ Complete ~54:REVERSE CHARGE CALLING SYSTEM AND METHOD AND CONNECTING SWITCH ~71:COUVOIR COMMUNICATIONS (PTY) LTD, 410 JAN SMUTS AVENUE UNIT 14 BURNSIDE ISLAND OFFICE PARK, South Africa ~72: BALDWIN NHLANHLA DAKILE~

2021/08388 ~ Complete ~54:INDOOR CIRCULATING FEEDING DEVICE AND FEEDING METHOD OF MACROCHELES MUSCAEDOMESTICAE ~71:Shandong Agricultural University, No.61, Daizong Street, Taian City, Shandong Province, People's Republic of China ~72: Jing Qinmei;Liu Kai;Qin Xifeng;Wan Zixuan;Wang Lina;Xie Lixia;Yan Yi;Zhang Na;Zhang Qian;Zhang Shuo;Zhao Qiuyu~

2021/08406 ~ Complete ~54:TENSILE FASTENING DEVICE FOR A WOOD FRAME STRUCTURE ~71:Hunan Construction Engineering Group, No. 788, Section 1 of Furong South Road, Tianxin Dist., Changsha, Hunan, People's Republic of China;Hunan University, Lushan South Road, Yuelu Dist., Changsha, Hunan, People's Republic of China ~72: CHEN, Jian;FENG, Yupu;LI, Zhenlai;PAN, Hongwei;YAO, Xi;YIN, Yue;ZHONG, Yangming~ 33:CN ~31:202120713807.5 ~32:08/04/2021

2021/08387 ~ Provisional ~54:UNDERGROUND INVERT CUTTER ~71:Drilling Technical Services (Pty) Ltd., 4 Bosman Street, FOCHVILLE, 2515, Gauteng, SOUTH AFRICA, South Africa ~72: JORDAAN, Barend Jacobus;ROOTHMAN, Willem Hermanus~

2021/08395 ~ Complete ~54:DYNAMIC STABILITY MONITORING AND MEASURING METHOD FOR HIGH-OSMOTIC-PRESSURE GROUTING WATER PLUGGING CURTAIN ~71:CHINA RAILWAY 11TH BUREAU GROUP FOURTH ENGINEERING CO., LTD., Guanghua Road, Donghu High Tech Development Zone, Wuhan, Hubei, People's Republic of China;NANNING SURVEY AND DESIGN INSTITUTE CO., LTD. OF CHINA RAILWAY SIYUAN GROUP, No. 3, Gaoxin Fifth Road, Nanning, Guangxi, People's Republic of China;Wujiu

Railway Passenger Dedicated Line Hubei Co., Ltd., No. 399, Wenhua Avenue, Jiangxia District, Wuhan, Hubei, People's Republic of China ~72: CHEN, Zhiming;GAO, Jun;GAO, Yuxin;HUANG, Zhengkai;LI, Jianhua;LIN, Xiao;WANG, Zhengyi;WENG, Xiaochuan;XIONG, Xiaohui;XU, Dan;XUE, Huiling;ZHANG, Yuanzheng~

2021/08452 ~ Complete ~54:DRILL BIT ~71:Sandvik Mining and Construction Tools AB, Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: HAMMARGREN, John~ 33:EP
~31:19184793.8 ~32:05/07/2019

2021/08396 ~ Complete ~54:MULTIFUNCTIONAL GRAPE PLANTING RACK ~71:Shanxi Agriculture University, Pomology Institute, No.79 Longcheng North Street, Xiaodian District, Taiyuan City, Shanxi Province, People's Republic of China ~72: Huang Liping;Zhao Qifeng~

2021/08442 ~ Complete ~54:ALLOGENEIC CELL THERAPY OF B CELL MALIGNANCIES USING GENETICALLY ENGINEERED T CELLS TARGETING CD19 ~71:CRISPR THERAPEUTICS AG, Baarerstrasse 14, 6300, Zug, Switzerland ~72: DEMETRIOS KALAITZIDIS;EWELINA MORAWA;JONATHAN ALEXANDER TERRETT;MARK BENTON;TONY HO~ 33:US ~31:62/840,913 ~32:30/04/2019

2021/08457 ~ Complete ~54:VARIOUS USES OF THE NANOPARTICULATE COMPOUND OF TITANIUM DIOXIDE FUNCTIONALIZED ~71:GABRIELA LEÓN GUTIÉRREZ, Fernando Celada No. 8, Mexico;INMOLECULE INTERNATIONAL LIMITED, Great Queen St. 16, Covent Garden, United Kingdom ~72: LEÓN GUTIÉRREZ, Gabriela;LEÓN GUTIÉRREZ, Sergio Manuel~ 33:MX
~31:MX/a/2019/003969 ~32:04/04/2019

- APPLIED ON 2021/11/02 -

2021/08549 ~ Complete ~54:KIT FOR RAPID DETECTION OF YERSINIA PESTIS ~71:CHINESE ACADEMY OF INSPECTION AND QUARANTINE, NO.11, RONGHUA SOUTH ROAD, People's Republic of China ~72: CI, YING;LI, LI;LIU, WEI;NIE, CONG;SHI, QI;WANG, JING;YANG, YU;ZHANG, QIAO;ZOU, DAYANG~

2021/08552 ~ Complete ~54:AUTOMATIC SPEED-ADJUSTING DISCHARGING APPARATUS OF RED DATE PICKUP MACHINE BASED ON SINGLE CHIP MICROPROCESSOR ~71:TARIM UNIVERSITY, NO.705, HONGQIAO SOUTH ROAD, People's Republic of China ~72: LI, JINJIN;LI, PING;RAN, JUNHUI;SHEN, YUKE;SHI, BIJIAN;ZHANG, FENGKUI~

2021/08459 ~ Provisional ~54:NEAR FIELD COMMUNICATION TAG READER TELEVISION BOX RECEIVER FOR HIGH END TELEVISIONS. ~71:Ahmed Waseef Saib, 24 Park avenue, Desainagar Tongaat Beach, 4399, South Africa ~72: Ahmed Waseef Saib~

2021/08472 ~ Complete ~54:HIGHLAND BARLEY GRAIN MEAL REPLACEMENT MILKSHAKE POWDER CAPABLE OF ASSISTING IN LOWERING HYPERTENSION, HYPERLIPEMIA AND HYPERGLYCAEMIA AND PREPARATION METHOD THEREOF ~71:Qinghai Huashi Highland Barley Biological Technology Development Co., Ltd., No. 14, North Section of Jing'er Road, Biotechnology Industrial Park, Chengbei District, Xining, Qingha, 810016, People's Republic of China;Qinghai Huashi Technology Investment Management Co., Ltd., No. 17 South Street, Chengzhong District, Xining, 810000, People's Republic of China ~72: CHEN, Danshuo;DU, Yan;HAO, Jing;JI, Chengjun;LIU, Yu;MA, Ping;ZHANG, Chengping;ZHANG, Chengping;ZHANG, Falin~ 33:CN
~31:202110462796.2 ~32:28/04/2021

2021/08477 ~ Complete ~54:STRUCTURE OF REINJECTION WELL FOR IMPROVING REINJECTION ABILITY ~71:801 Institute of Hydrogeology and Engineering Geology, SPBGM, 13632 Jingshi Road, Lixia District, Jinan City, Shandong Province, People's Republic of China;Dizi New Energy Technology Co. LTD, 6596 Dongfanghongdong Road, Economic and technological development zone, Dezhou City, Shandong Province,

People's Republic of China;Shandong No.3 Exploration Institute of Geology and Mineral Resources, 271 Jichang Road, Zhifu District, Yantai City, Shandong Province, People's Republic of China;Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), No.74 Lishan Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Bai Tong;Kang Fengxin;Shi Meng;Sui Haibo;Sun Xiaoxiao;Wang Xuepeng;Yang Xunchang;Yang Yabin;Zheng Tingting;Zhou Qundao~

2021/08494 ~ Complete ~54:LOOP-MEDIATED ISOTHERMAL AMPLIFICATION (LAMP) PRIMERS FOR VALSA MALI, AND VALSA MALI DETECTION KIT ~71:Northwest A and F University, No. 3, Taicheng Road, Yangling Demonstration Zone, Xi'an City, Shaanxi Province, 712100, People's Republic of China ~72: HUANG, Lili;WANG, Yibo;XU, Liangsheng~

2021/08572 ~ Complete ~54:AN AIR-HEATING TYPE HEAT NOT BURN HEATING DEVICE, A CERAMIC HEATING ELEMENT AND A PREPARATION METHOD THEREOF ~71:XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10th Floor, No.1036, Xiahe Road, Siming District, Xiamen, People's Republic of China ~72: FU, ZENGXUE;LIU, MAOQI;XIONG, ZHAORONG;YU, XIANGYI;ZHU, XIAOHUA~ 33:CN ~31:201910409470.6 ~32:16/05/2019;33:CN ~31:201920703126.3 ~32:16/05/2019;33:CN ~31:201920703695.8 ~32:16/05/2019;33:CN ~31:201920707429.2 ~32:16/05/2019

2021/08467 ~ Complete ~54:ASPHALT CONCRETE MODIFIER ~71:Dongying Guangtong Technology Co., Ltd., 365 Weigao Road, Development Zone, Guangrao County, Dongying City, Shandong, 257300, People's Republic of China ~72: JIA, Chengguang;LIU, Guilan;LIU, Hangzhi;SONG, Liangyou;SONG, Yingxuan;ZHANG, Xingbo~

2021/08488 ~ Complete ~54:METHOD FOR IDENTIFYING FEEDING AND RUMINATION OF DAIRY COWS BASED ON TRIAXIAL ACCELERATION ~71:Northeast Agricultural University, No.600 Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Shen Weizhen;Wang Yan;Xiong Benhai;Yin Yanling;Zhang Yonggen;Zhang Yu~

2021/08496 ~ Complete ~54:METHOD FOR CREATING IN-SITU MODULUS MASTER CURVE OF ASPHALT LAYER OF ASPHALT PAVEMENT ~71:Tongji University, 1239 Siping Road, Yangpu District, Shanghai, 200092, People's Republic of China ~72: CHENG, Huailei;LIU, Liping;SUN, Lijun;YANG, Ruikang~

2021/08517 ~ Complete ~54:MATERIALS AND PROCESSES FOR RECOVERING PRECIOUS METALS ~71:CLEAN EARTH TECHNOLOGY PTY LTD, Suite 1, 96 Royal Street, Australia ~72: CHALKER, Justin Mark;MANN, Maximilian~ 33:AU ~31:2019901135 ~32:03/04/2019

2021/08537 ~ Complete ~54:POSITION-BIASED LOCKING PIN ASSEMBLY FOR A GROUND ENGAGING WEAR MEMBER ~71:HENSLEY INDUSTRIES, INC., 2108 Joe Field Road P.O. Box 29779 Dallas,, United States of America ~72: BILAL, Mohamad Youssef~ 33:US ~31:62/834,214 ~32:15/04/2019;33:US ~31:16/843,623 ~32:08/04/2020

2021/08492 ~ Complete ~54:FLUX SYSTEM FOR LIQUID-PHASE SINTERING OF CERAMIC BODY AND PREPARATION METHOD THEREOF ~71:Guangdong Sitong Group Co., Ltd, Block B11-4-1, South of Chaozhou Railway Station District, Chaozhou City, Guangdong Province, 521031, People's Republic of China ~72: LI, Xia;LIU, Xuguang;MA, Zheng;WANG, Hui;WANG, Zhiyi~

2021/08501 ~ Complete ~54:METHOD FOR PREPARING TRIBLOCK POLYMER-GRAFTED REDUCED GRAPHENE OXIDE COMPOSITE MATERIAL AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: LIU, Yong;YUAN, Xun;ZHU, Haiguang~

2021/08528 ~ Complete ~54: CORE-SHELL ENCAPSULATED COMPOSITION COMPRISING A BENEFIT AGENT ~71: Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: DEMBELE-KUNTZMANN, Fatimata; DENIGOT, Marion; HARRISON, Ian Michael ~ 33: GB ~31: 1907053.1 ~32: 20/05/2019

2021/08573 ~ Complete ~54: CERAMIC HEATING ELEMENT AND NON-CONTACT HEAT NOT BURN HEATING DEVICE WITH SAME ~71: XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10th Floor, No.1036, Xiahe Road, Siming District, Xiamen, People's Republic of China ~72: FU, ZENGXUE; LIU, MAOQI; XIONG, ZHAORONG; YU, XIANGYI; ZHU, XIAOHUA ~ 33: CN ~31: 201920703370.X ~32: 16/05/2019; 33: CN ~31: 201910851288.6 ~32: 10/09/2019; 33: CN ~31: 201921493371.2 ~32: 10/09/2019; 33: CN ~31: 201921496504.1 ~32: 10/09/2019

2021/08466 ~ Complete ~54: MIAO MEDICINE COMPOSITION, MIAO MEDICINE FUNCTIONAL FEED, AND PREPARATION METHOD AND APPLICATION THEREOF ~71: Guizhou Qianlishan Ecological Food Co., Ltd., Wenbi Street, Sansui County, Qiandongnan Miao and Dong Autonomous Prefecture, Guizhou Province, People's Republic of China; Guizhou University, Xiahui Road, Huaxi District, Guiyang, Guizhou Province, People's Republic of China ~72: Luo Linli; Yang Shenglin; Yang Shihao; Zhao Yongxiang; Zhou Xuan; Zhu Yongcai ~

2021/08476 ~ Complete ~54: EDIBLE FUNGUS CONTAINING ORGANIC SELENIUM AND PREPARATION METHOD THEREOF ~71: WU, Qingwang, No. 64, Group 1, Miaoliang Village, Xinglong County, Chengde City, Hebei Province, 067399, People's Republic of China ~72: WU, Qingwang ~

2021/08485 ~ Complete ~54: INDUSTRIAL ROBOT SORTING SYSTEM AND METHOD ~71: Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: LIU, Zhenyu; ZHAO, Bin ~

2021/08510 ~ Complete ~54: KIT AND METHOD FOR IDENTIFYING PERIODONTAL LIGAMENT STEM CELLS (PDLSCS) ~71: KYBioStem Co. Ltd, Room 402-5, Floor 4, Building 1, No. 38, Yongda Road, Daxing Biomedical Industry Base, Zhongguancun Science Park, Daxing District, Beijing, 102600, People's Republic of China ~72: DU, Hongwu; LEI, Tong; LIU, Yanyan; WANG, Jian; WANG, Zhishi; ZHANG, Xiaoshuang ~ 33: CN ~31: 202011431904.1 ~32: 10/12/2020

2021/08515 ~ Complete ~54: METHOD FOR PRODUCING A METASTABLE CRYSTAL MODIFICATION OF N-(AMINOIMINOMETHYL)-2-AMINOETHANOIC ACID (III) ~71: ALZCHEM TROSTBERG GMBH, Dr.-Albert-Frank-Strasse 32, Germany ~72: Franz THALHAMMER; Jürgen SANS; Thomas GÜTHNER ~ 33: DE ~31: 10 2019 118 893.8 ~32: 12/07/2019; 33: DE ~31: 10 2019 118 894.6 ~32: 12/07/2019

2021/08531 ~ Complete ~54: MULTI-RECEPTOR AGONIST AND MEDICAL USE THEREOF ~71: JIANGSU HANSOH PHARMACEUTICAL GROUP CO., LTD., Economic and Technological Development Zone, Lianyungang, Jiangsu, 222047, People's Republic of China; SHANGHAI HANSOH BIOMEDICAL CO., LTD., Building 2, No.3728 Jinke Road, Zhangjiang, Hi-Tech Park, Shanghai, 201203, People's Republic of China ~72: FANGZHOU WU; HAIQING HUA; LEI WANG; RAN WU; RUDI BAO; XIAO LIU; XIAOLEI WANG ~ 33: CN ~31: 201910290162.6 ~32: 11/04/2019; 33: CN ~31: 201911120906.6 ~32: 15/11/2019

2021/08535 ~ Complete ~54: MICROBIAL COMPOSITIONS AND METHODS FOR GREATER TOLERABILITY AND PROLONGED SHELF LIFE ~71: PENDULUM THERAPEUTICS, INC., 933 20th Street, San Francisco, California, 94107, United States of America ~72: ANDREW CHENG; BRENDON STONEBURNER; DAVID MORENO; JAIME HERNANDEZ; MARCUS SCHICKLBERGER ~ 33: US ~31: 62/836,929 ~32: 22/04/2019

2021/08539 ~ Provisional ~54: KSN GRAVESTONE ~71: Dennis Trout, 16 Emerald Crescent, Sharadon Park, South Africa; Denver Trout, 16 Emerald Crescent, Sharadon Park, South Africa ~72: Dennis Trout; Denver Trout ~

2021/08471 ~ Complete ~54:METHOD OF SYMBIOTIC GROWTH OF CYPERUS ESCULENTUS L. AND RHIZOPHAGUS INTRARADICES IN PLANT ROOTS AND DETERMINATION OF MOLD ACTIVITY ~71:Shanghai Jiaotong University, 800 Dongchuan Road, Minhang District, Shanghai Municipality, People's Republic of China ~72: Chen Jie;Liu Bingcheng;Qi Xing;Wang Caibo;Wang Jing;Wang Xinhua;Wang Yongkun;Wu Jiaying;Xu Baoping;Yang Shuo~

2021/08497 ~ Complete ~54:SOLVENT SUITABLE FOR RAT PLASMA PROTHROMBIN TIME (PT) IN VITRO ~71:Yunnan University of Chinese Medicine, No. 1076, Yuhua Area, Chenggong New City, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: CUI, Zhiying;HE, Xiaoshan;PENG, Shoujie;XU, Furong;ZHAO, Yanli~

2021/08513 ~ Complete ~54:A SERVICE MODELING METHOD WITH WORD EMBEDDING AND NON-NEGATIVE MATRIX FACTORIZATION INTEGRATED IN A CLOUD COMPUTING MODE ~71:CHINA JILIANG UNIVERSITY, No. 258, Xueyuan Street, Xiasha Higher Education Zone, Hangzhou, People's Republic of China;ZHEJIANG UNIVERSITY OF TECHNOLOGY, No. 18, Chaowang Road, Xiacheng District, Hangzhou, People's Republic of China ~72: CHENG, Zhenbo;FANG, Jingwen;LI, Duanni;LU, Jiawei;MEI, Hao;WANG, Qibing;WANG, Zhipeng;XIAO, Gang;XU, Jun;ZHANG, Yuanming;ZHAO, Wei;ZHENG, Jiahong~

2021/08514 ~ Complete ~54:A COMPOSITE PANEL FOR STRUCTURAL AND DECORATIVE SURFACES ~71:INSTITUTO POLITÉCNICO DE VISEU, Av. José Maria Vale Andrade, Portugal;SONAE - INDÚSTRIA DE REVESTIMENTOS, SA, Lugar Do Espido, Apartado 1129, Portugal;UNIVERSIDADE DO PORTO, Praça Gomes Teixeira, S/N, Portugal ~72: BRITO DA COSTA, Claudia;DE MONTENEGRO BAPTISTA MALHEIRO DE MAGALHÃES, Fernão Domingos;HORA DE CARVALHO, Luísa Maria;SANTOS SILVA MARTINS, Jorge Manuel;TAVARES DA SILVA VINHAS, Ana João~ 33:PT ~31:115478 ~32:29/04/2019

2021/08521 ~ Complete ~54:METHOD OF IMPROVING LOWER URINARY TRACT SYMPTOMS ~71:NYMOX CORPORATION, 777 Terrace Avenue, Hasbrouck Heights, United States of America ~72: AVERBACK, Paul~ 33:US ~31:16/410,685 ~32:13/05/2019

2021/08525 ~ Complete ~54:FURNITURE DEVICE FOR AN ITEM OF FURNITURE ~71:Sleep Smart Solutions GmbH, Neue Weyerstraße 2, KÖLN 50676, GERMANY, Germany ~72: HUBRIG, Jörg~

2021/08527 ~ Complete ~54:ACTUATION STRUCTURE OF BLOOD VESSEL CLIP APPLIER ~71:Medscope Biotech Co., Ltd., 2F., NO. 8, Keyi St., Guangyuan Technology Park, ZHUNAN TOWN, MIAOLI COUNTY, TAIWAN (R.O.C.), Taiwan, Province of China ~72: HUANG, Shin-Hao;WU, Chen-Xuan~ 33:CN ~31:201910266128.5 ~32:03/04/2019

2021/08532 ~ Complete ~54:MODULAR CONVEYOR BELT LINK ~71:AMMERAAL BELTECH MODULAR A/S, Hjulmagervej 21, 7100, Vejle, Denmark ~72: GERM BUTER;KENNETH WESTERGAARD ANDERSEN~ 33:DK ~31:PA 2019 70287 ~32:03/05/2019

2021/08534 ~ Complete ~54:ANTIBODY DRUG CONJUGATES ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-Chome Chuo-ku Osaka-shi, Osaka, 541-0045, Japan ~72: DYLAN BRADLEY ENGLAND;HE XU;HONG MYUNG LEE;JIANING WANG;LITING MA;STEPAN VYSKOCIL;STEVE P LANGSTON;YUMIKO ISHII;YUTAKA NISHIMOTO;ZHAN SHI~ 33:US ~31:62/846,494 ~32:10/05/2019;33:US ~31:62/855,367 ~32:31/05/2019;33:US ~31:62/952,768 ~32:23/12/2019;33:US ~31:63/016,682 ~32:28/04/2020

2021/08498 ~ Complete ~54:SILVER NANOCUSTER-BASED CHITOSAN HYDROGEL DRESSING AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology,

No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: WANG, Xiangyu;YUAN, Xun~

2021/08474 ~ Complete ~54:PROCESS OF PRODUCING FUNCTIONAL BEVERAGE FOR ENHANCING IMMUNITY ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: LIU, Xinli;TANG, Ke;ZHU, Wenxing~

2021/08526 ~ Complete ~54:PIECE OF FURNITURE FOR SITTING OR LYING ON ~71:Sleep Smart Solutions GmbH, Neue Weyerstra#223;e 2, KÖLN 50676, GERMANY, Germany ~72: HUBRIG, Jörg~ 33:EP ~31:PCT/EP2019/063130 ~32:21/05/2019

2021/08533 ~ Complete ~54:PHARMACEUTICALLY ACCEPTABLE SALTS OF [2-(3-FLUORO-5-METHANE-SULFONYLPHENOXY)ETHYL](PROPYL)AMINE AND USES THEREOF ~71:INTEGRATIVE RESEARCH LABORATORIES SWEDEN AB, Arvid Wallgrens Backe 20, 413 46, Göteborg, Sweden ~72: CLAS SONESSON;INESE REINE;JOAKIM MIHKEL TEDROFF;ROSS NICHOLAS WATERS~ 33:EP ~31:19176514.8 ~32:24/05/2019;33:EP ~31:20166361.4 ~32:27/03/2020

2021/08550 ~ Complete ~54:INTELLIGENT THERMOSTAT ~71:CHINESE ACADEMY OF INSPECTION AND QUARANTINE, NO.11, RONGHUA SOUTH ROAD, YIZHUANG ECONOMIC DEVELOPMENT ZONE, People's Republic of China ~72: CI, Ying;LI, Li;LIU, Wei;NIE, Cong;SHI, Qi;WANG, Jing;YANG, Yu;ZHANG, Qiao;ZOU, Dayang~

2021/08468 ~ Complete ~54:METHOD FOR ESTABLISHING TILLANDSIA SIMPLE SEQUENCE REPEAT (SSR) MARKER AND USE THEREOF ~71:Zhejiang Institute of Landscape Plants and Flowers, No. 508, Wangcun, Linpu Town, Xiaoshan District, Hangzhou City, Zhejiang Province, 311251, People's Republic of China ~72: CAO, Qunyang;GE, Yaying;JIN, Liang;LI, Xiaobai;ZHAN, Shuxia;ZHAO, Zhangjian~

2021/08512 ~ Complete ~54:A METHOD FOR INVESTIGATING THE MANIPULATED FINANCIAL STATEMENTS OF AVIATION COMPANY ~71:DUBEY, Suchi, School of Business, Manipal Academy of Higher Education, Dubai Campus, P.O. Box 345019, Dubai International Academic City, United Arab Emirates;JAIN, Gyanesh, NIIT UNIVERSITY, Neemrana, India;JHA, Shiv Swaroop, Amity College of Commerce, Amity University Haryana, Amity Education Valley Gurugram (Manesar), India;KALYANI, Sushil, NIIT UNIVERSITY, Neemrana, India;MEHTA, Kamakshi, Amity College of Commerce, Amity University Haryana, Amity Education Valley Gurugram (Manesar), India;MISHRA, Anil Kumar, Flat No. 7, Chanamma House, 8th Cross, India;PANDA, Ramesh Chandra, Wegrow Private Limited, Bhubaneswar, India;SHARMA, Monika, Sunderdeep group of institution, Ghaziabad, India;SHARMA, Monika, Sunderdeep group of institution, Ghaziabad, India;SHUKLA, Vinod Kumar, Amity University Dubai, AMITY UNIVERSITY DUBAI CAMPUS, P.O. Box 345019, Dubai International Academic City, United Arab Emirates ~72: DUBEY, Suchi;JAIN, Gyanesh;JHA, Shiv Swaroop;KALYANI, Sushil;MEHTA, Kamakshi;MISHRA, Anil Kumar;PANDA, Ramesh Chandra;SHARMA, Monika;SHUKLA, Vinod Kumar~

2021/08516 ~ Complete ~54:METHOD OF AMPLIFYING MRNAS AND FOR PREPARING FULL LENGTH MRNA LIBRARIES ~71:BASECLICK GMBH, Floriansbogen 2-4, Germany ~72: FRISCHMUTH, Thomas;GRAF, Birgit;SERDJUKOW, Sascha;SOBOTTA, Jessica~ 33:EP ~31:19219326.6 ~32:23/12/2019;33:EP ~31:20158810.0 ~32:21/02/2020

2021/08524 ~ Complete ~54:METHODS FOR PHYSICAL DOWNLINK CONTROL CHANNEL (PDCCH) BASED WAKE UP SIGNAL (WUS) CONFIGURATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ANDGART, Niklas;MALEKI, Sina;NADER, Ali;NIMBALKER, Ajit;REIAL, Andres;SUI, Yutao~ 33:US ~31:62/828,126 ~32:02/04/2019

2021/08540 ~ Provisional ~54:HAMMOCK STRAP CENTRE SUPPORT ~71:DDT MECHANISED MINING SERVICES (PTY) LTD, 34 PANNERS LANE, SANDTON, UNIT 2, HUMEWOOD LINKS, South Africa ~72: DENNIS VAN NIEKERK~

2021/08483 ~ Complete ~54:MIXING METHOD OF PLANT-MIX HOT RECYCLED ASPHALT MIXTURE ~71:Tongji University, 1239 Siping Road, Yangpu District, Shanghai, 200092, People's Republic of China ~72: LIU, Liping;QIN, Juzhe;SUN, Lijun;WANG, Huayu~

2021/08484 ~ Complete ~54:FEED FOR IMPROVING EGG LAYING PERFORMANCE AND HATCHABILITY OF POULTRY AND APPLICATION THEREOF ~71:SOUTH CHINA AGRICULTURAL UNIVERSITY, No.483 Wushan Road, Tianhe District, Guangzhou, Guangdong, 510642, People's Republic of China ~72: CHEN, Jianying;FENG, Yan;FU, Yang;JIANG, Huiquan;LI, Yu;LIU, Xiaoli;MA, Weiqing;WANG, Wence;XIA, Daiyang;YANG, Lin;YE, Hui;ZHU, Shanshan;ZHU, Yongwen~

2021/08495 ~ Complete ~54:MIXED CRYSTAL $\text{TiO}_2/\text{G-C}_3\text{N}_4$ HOLLOW NANOTUBE COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF ~71:Qingdao University of Science and Technology, 99 Songling Road, Laoshan District, Qingdao, Shandong province, People's Republic of China ~72: Mou Hongyu;Song Caixia;Wang Debao;Wang Xiao~

2021/08499 ~ Complete ~54:CARBON DOT/POLYURETHANE COMPOSITE MATERIAL AND PREPARATION METHOD AND APPLICATION THEREOF ~71:North China Electric Power University, No.2 Beinong Road, Changping District, Beijing, People's Republic of China ~72: Hu Dezhong;Tang Peijie;Wang Xiangke;Wang Zhe;Zheng Liyuan~

2021/08505 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF PHOSPHORIZED WS_2 NANOSPHERE CATALYST ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong Province, People's Republic of China ~72: Gao Mengyou;Lin Jianjian;Sun Lei;Xu Huizhong;Zheng Dehua~

2021/08523 ~ Complete ~54:METHOD AND COMPOSITION FOR THERAPEUTIC MANAGEMENT OF GLUTEN INTOLERANCE ~71:SAMI-SABINSA GROUP LIMITED, 19/1 & 19/2, I MAIN, II PHASE, PEENYA INDUSTRIAL AREA, KARNATAKA, BANGALORE 560058, INDIA, India ~72: ARUMUGAM, Sivakumar;BEEDE, Kirankumar;MAJEED, Muhammed;MAJEED, Shaheen;NAGABHUSHANAM, Kalyanam~ 33:US ~31:62/827,955 ~32:02/04/2019

2021/08464 ~ Provisional ~54:DOC CERTIFY ~71:Balungile Mnyaka, 17 Finch Street, Southernwood, South Africa ~72: Balungile Mnyaka~

2021/08465 ~ Complete ~54:QUANTITATIVE METHOD OF PROTEIN BASED ON NON-ISOTOPE LABELED PEPTIDE SEGMENT ADDITION COMBINED WITH MRM ~71:Guangxi Medical University, No.22 Shuangyong Road, Qingxiu District, Nanning City, Guangxi Province, People's Republic of China ~72: Huang Dongping;Long Jinghua;Qiu Xiaoqiang;Zang Ning;Zeng Xiaoyun~

2021/08518 ~ Complete ~54:SYSTEM AND METHOD FOR RECOVERING AND DIRECTLY REDUCING CASCADE WASTE HEAT OF IRON-CONTAINING METALLURGICAL SLAG PARTICLES ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, 11, Fushun Rd., Shibei District, Qingdao, Shandong, 266033, People's Republic of China ~72: LUO, Siyi;YU, Qingbo;ZHANG, Jingkui;ZUO, Zongliang~ 33:CN ~31:201911273625.4 ~32:12/12/2019

2021/08463 ~ Provisional ~54:A SYSTEM FOR DETECTING AND PREVENTING SIM SWAP FRAUD
~71:RITCHIE ROBINZ HOLDINGS (PTY) LTD, 1103 MANDALAY CT, South Africa ~72: MTHETHWA, Gcina Robin Mahlehlangehla~

2021/08470 ~ Complete ~54:PRE-MIXED COCKTAIL AND RELATED PREPARATION METHOD OF JAPANESE APRICOT ~71:Nanjing Agricultural University, No. 1 Weigang, Xuanwu District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Duan Chengrui;Gao Zhihong;Sun Yijin~

2021/08478 ~ Complete ~54:METHOD FOR INCREASING THE TITER OF BACTERIOPHAGE T4 BY SYNERGIZING 1, 3-DIGLYCERIDE AND COLLAGEN PEPTIDE WITH HIGH-VOLTAGE ELECTROSTATIC FIELD ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: GUO, Liping;HAO, Xiaojing;HUANG, He;HUANG, Ming;LAN, Tianchan;LI, Yan;SUN, Jingxin;WANG, Baowei;WANG, Shuling;YAO, Xianqi;ZHANG, Congxiang;ZHANG, Ming;ZHAO, Xiangjin;ZHENG, Yuandong~ 33:CN ~31:202111032027.5 ~32:03/09/2021

2021/08500 ~ Complete ~54:PNEUMATIC FISH CLEAVAGE GENERATING DEVICE AND SEEDLING INCUBATION METHOD AT CLEAVAGE STAGE ~71:Heilongjiang River Fisheries Research Institute, Chinese Academy of Fishery Sciences, No. 232 HeSong Street, Daoli District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Gu Wei;Huang Tianqing;Liu Enhui;Wang Bingqian;Wang Gaochao;Xu Gefeng~

2021/08481 ~ Complete ~54:TOBACCO LEAF HORIZONTAL STACKING TYPE CURING BARN ~71:TOBACCO RESEARCH INSTITUTE OF CHINESE ACADEMY OF AGRICULTURAL SCIENCES, 11 Keyuanjing 4th Road, Laoshan District, Qingdao, Shandong, 266000, People's Republic of China ~72: FANG, Song;LI, Xiaoli;LIN, Yingnan;NING, Yang;SUN, Peng;WANG, Dabin;YU, Weisong;ZHANG, Yizhi~

2021/08486 ~ Complete ~54:UNSATURATED SEEPAGE TEST DEVICE AND TEST METHOD FOR ROCK MASS FRACTURE ~71:Shaoxing College of Arts and Sciences, 508 Huancheng West Road, Shaoxing City, Zhejiang Province, 312000, People's Republic of China ~72: GAO, Huicai;HU, Yunjin;XIA, Jialong;YANG, Shendong;ZHANG, Tuowei;ZHONG, Zhen~

2021/08529 ~ Complete ~54:NEAR-INFRARED QUANTITATIVE ANALYSIS MODEL CONSTRUCTION METHOD BASED ON BIASED ESTIMATION ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, 579 Qianwangang Road, Huangdao District, Qingdao, Shandong Province, 266590, People's Republic of China ~72: HE, Kaixun;SU, Zhaoyang~ 33:CN ~31:201910806825.5 ~32:29/08/2019

2021/08507 ~ Complete ~54:FULL-PROCESS MECHANIZED HIGH-YIELD AND SYNERGISTIC PLANTING METHOD OF SUMMER CORN IN HUANG-HUAI-HAI FLUVO-AQUIC SOIL DISTRICT ~71:Shandong Academy of Agricultural Sciences, 202 Industrial North Road, Licheng District, Jinan City, Shandong, 250100, People's Republic of China ~72: LI, Hongjie;LI, Yan;LIU, Zhaohui;SUN, Ming;ZHANG, Yingpeng;ZHAO, Tongkai;ZHONG, Ziwen~

2021/08482 ~ Complete ~54:SPECIFIC DNA SEGMENT AND PRIMER FOR SPECIES IDENTIFICATION OF MULBERRY ~71:Hebei Agricultural University, No. 2596, Lekai South Street, Lianchi District, Baoding City, Hebei Province, 071001, People's Republic of China ~72: JIA, Xinyue;LAN, Qingkuo;LIU, Shuang;LIU, Ziwei;SANG, Yaxin;SHEN, Xiaoling;TAN, Jianxin;WANG, Yong~

2021/08508 ~ Complete ~54:METHOD AND SYSTEM FOR DETERMINING MULTI-TARGET VEHICLE DISTRIBUTION ROUTE BASED ON IMPROVED GENETIC ALGORITHM ~71:SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.579 Qianwangang Road, Huangdao District, Qingdao, Shandong Province, 266000, People's Republic of China;Shandong Junpeng Energy Saving Technology Co., Ltd., 5th Floor, Qiushi Building, No.195 Shengli East Street, Jinma Community, Xincheng Street,High-tech Zone, Weifang City,

Shandong , 261000, People's Republic of China ~72: FENG, Jun;FU, Yingjun;JIA, Shun;LI, Haoran;LI, Meiyang;LIU, Daoxing;LIU, Jian;LV, Chaochao;MA, Lingji;YAN, Wei;ZHANG, Duo;ZHAO, Hongxiang~ 33:CN ~31:202110215879.1 ~32:26/02/2021

2021/08520 ~ Complete ~54:APPARATUS AND METHOD FOR JOINTLY MEASURING SOOT PRECURSOR AND SOOT ON BASIS OF OPTICAL ENGINE ~71:Jiangsu University, No.301, Xuefu Road, Jingkou District, Zhenjiang, Jiangsu, 212013, People's Republic of China ~72: HE, Zhixia;JIANG, Peng;LIU, Qing;WANG, Qian;XIANG, Qilong;YAN, Feibin;YUAN, Qifei;ZHONG, Wenjun~ 33:CN ~31:201910778649.9 ~32:22/08/2019

2021/08530 ~ Complete ~54:SIDE SILL PART FOR AN AUTOMOTIVE VEHICLE ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Alexandre SOTTY;Elie GIBEAU;Kevin BARDIN;Nicolas SCHNEIDER~ 33:IB ~31:PCT/IB2019/053732 ~32:07/05/2019

2021/08570 ~ Complete ~54:NON-CONTACT HEAT NOT BURN HEATING DEVICE ~71:XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10th Floor, No.1036, Xiahe Road, Siming District, People's Republic of China ~72: FU, ZENGXUE;LIU, MAOQI;XIONG, ZHAORONG;YU, XIANGYI;ZHU, XIAOHUA~ 33:CN ~31:201920703370.X ~32:16/05/2019;33:CN ~31:201921496439.2 ~32:10/09/2019

2021/08571 ~ Complete ~54:NON-CONTACT HEAT NOT BURN HEATING DEVICE ~71:XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10th Floor, No.1036, Xiahe Road, Siming District, People's Republic of China ~72: FU, ZENGXUE;LIU, MAOQI;XIONG, ZHAORONG;YU, XIANGYI;ZHU, XIAOHUA~ 33:CN ~31:201920703370.X ~32:16/05/2019;33:CN ~31:201911397002.8 ~32:30/12/2019;33:CN ~31:201922439531.1 ~32:30/12/2019;33:CN ~31:201922448707.X ~32:30/12/2019;33:CN ~31:202020733034.2 ~32:07/05/2020;33:CN ~31:202020734040.X ~32:07/05/2020

2021/08479 ~ Complete ~54:QUANTITATIVE FERTILIZATION DEVICE FOR CAMELLIA SEMISERRATA ~71:Hangzhou Dazhan Agricultural Development Co., Ltd., No. 3, Hengpeng Road, Nanyang Street, Xiaoshan District, Hangzhou City, Zhejiang Province, 311227, People's Republic of China;Hangzhou Xiaoshan Agricultural (Forestry) Technology Extended Center, No. 546, Xiaoran South Road, Xiaoshan District, Hangzhou City, Zhejiang Province, 311203, People's Republic of China;Zhejiang Forestry Technology Extended Station, No. 226, Kaixuan Road, Hangzhou City, Zhejiang Province, 310020, People's Republic of China;Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton and Bast Fiber Crops Research), No. 508, Cunwang Village, Wangcun, Youhu Line, Linpu Town, Xiaoshan District, Hangzhou City, Zhejiang Province, 311251, People's Republic of China ~72: AN, Xia;CHEN, Changli;HE, Zhen;HONG, Fuying;LI, Wenlue;LIU, Tingting;LUO, Xiahong;YING, Jinyao;YU, Lijun;ZHANG, Jun;ZHU, Guanlin~

2021/08493 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF CUPROUS OXIDE MICRON PHOTOCATALYST WITH DIFFERENT MORPHOLOGIES ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Chen Ruixin;Han Jishu;Liu Yanru;Liu Yong;Wang Lei;Yang Yu~

2021/08502 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF COPPER VANADATE AS CATHODE MATERIAL FOR LITHIUM ION BATTERY ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Chen Ruixin;Han jishu;Liu Yanru;Sun Jing;Wang Lei;Zhao Ruiyang~

2021/08460 ~ Provisional ~54:CHOPPER MOBILE ~71:Karabo Edwin Makhura, 564 Lepelaar Street, South Africa ~72: Karabo Edwin Makhura~

2021/08469 ~ Complete ~54:NEEDLING TYPE GARLIC SPROUT HARVESTER ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: CHENG, Tao;CUI, Yuxia;WANG, Min;WANG, Xianlun~

2021/08473 ~ Complete ~54:DENDROBIUM HUOSHANENSE ENZYME AND PREPARATION METHOD THEREOF ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: LIU, Xinli;TANG, Ke;ZHU, Wenxing~

2021/08480 ~ Complete ~54:PREPARATION METHOD OF LACTIC ACID BACTERIA CELL-BOUND POLYSACCHARIDE CAPABLE OF IMPROVING NEMATODE ANTIOXIDANT CAPACITY ~71:Heilongjiang Bayi Agricultural University, No. 5, Xinfeng Road, high tech Zone, Daqing City, Heilongjiang Province, People's Republic of China ~72: Cui Suping;Gao Yongjiao;Li Dan;Lu Baoxin;Sun Jingchen;Wang Juntong;Wang Kun;Zhao Jing;Zheng Xiqun;Zuo Feng~

2021/08491 ~ Complete ~54:OCEAN EXPLORATION, TRANSMISSION, AND PROCESSING TEACHING APPARATUS ~71:HARBIN INSTITUTE OF TECHNOLOGY, WEIHAI, No. 2 Wenhua West Road, WeiHai City, Shandong Province, 264209, People's Republic of China ~72: LIU, Aijun;LIU, Gongliang;WANG, Tingyu;ZHANG, Min;ZHAO, Rui;ZHAO, Wanlong~

2021/08503 ~ Complete ~54:GRAPHENE THIN FILM AND PREPARATION METHOD AND APPLICATION THEREOF ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: WANG, Jiansheng;ZENG, Xiongfeng~

2021/08504 ~ Complete ~54:MAT CROSS-CUT SAW EQUIPMENT ~71:Shandong Sengong Machinery Manufacturing Co., Ltd, Zhoujingpu Village Industrial Park, Yitang Town, Lanshan District, Linyi City, Shandong, 276013, People's Republic of China ~72: HUANGFU, Lishui;LI, Yu;LI, Zhengchao;WANG, Kun;WEI, Benfu;WU, Yongxia;ZHANG, Wentao;ZHANG, Chenzi~

2021/08551 ~ Complete ~54:METHOD FOR SIMULTANEOUSLY DETERMINING 18 TRACE ELEMENTS IN SULFUR THROUGH MICROWAVE DIGESTION-INDUCTIVELY COUPLED PLASMA MASS SPECTROMETRY ~71:ALASHANKOU CUSTOMS TECHNOLOGY CENTER, NO. 58, JUNGGAR ROAD, People's Republic of China ~72: CHUNXIAO SUN;DONG WANG;JIANJIANG LU;LI YANG;XINMING LV;XINZHONG XU~

2021/08461 ~ Provisional ~54:A SYSTEM AND METHOD FOR PROCESSING A FINANCIAL TRANSACTION IN A FINANCIAL SYSTEM ~71:UAFRICA TECHNOLOGIES (PTY) LTD, Unit C-G01a, Menlyn Square Office Park, 116 Lois Avenue, Menlyn, Pretoria, Gauteng, 0181, South Africa ~72: ANDREW GORDON HIGGINS;CORNELIUS ABRAHAM RAUTENBACH~

2021/08489 ~ Complete ~54:ECOLOGICAL RESTORATION SYSTEM FOR BARREN AND DAMAGED MOUNTAINS ~71:801 Institute of Hydrogeology and Engineering Geology, SPBGM, 13632 Jingshi Road, Lixia District, Jinan City, Shandong Province, People's Republic of China;Lunan Geo-engineering Exploration Institute, 272 Jianshedong road, Yanzhou District, Jining City, Shandong Province, People's Republic of China;No.2 Hydrogeology and Engineering Geology Brigade, Shandong Exploration Bureau of Geology and Mineral Resources (Lubei Geo-engineering Exploration Institute), 1499 Daxuedong Road, Decheng District, Dezhou City, Shandong Province, People's Republic of China;Shandong No.3 Exploration Institute of Geology and Mineral Resources, 271 Jichang Road, Zhifu District, Yantai City, Shandong Province, People's Republic of China;Shandong No.5 Exploration Institute of Geology and Mineral Resources, 3 Changcheng Road, Tai'an District, Tai'an City, Shandong Province, People's Republic of China;Shandong Provincial Bureau of Geology and Mineral Resources (SPBGM), No.74 Lishan Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Bai Tong;Kang Fengxin;Li Shouchang;Ma Zhemin;Shi Meng;Shi Qipeng;Sui Haibo;Yang Yabin;Zhang Pingping;Zheng Tingting~

2021/08506 ~ Complete ~54:DEVICE AND METHOD FOR ANNUAL BREEDING WOOLLY APPLE APHID ~71:Qingdao Agricultural University, No.700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China ~72: Fan Yinjun;Guo Yi;Huang Feipeng;Li Huifang;Tan Xiumei;Teng Ziwen;Wang Lingyun;Zhou Hongxu~

2021/08519 ~ Complete ~54:PRIMER PROBE COMBINATION, KIT, DETECTION METHOD AND APPLICATION FOR DETECTING SEPARATE CANDIDA TYPES ~71:DYNAMIKER BIOTECHNOLOGY (TIANJIN) CO., LTD., No. 101-2, 14th (3B) Building, Eco Business Park, 2018 Zhongtian Road, Sino-Singapore Tianjin Eco-City, Tianjin, 300467, People's Republic of China ~72: SHENG, Changzhong;SU, Yan;WANG, Zhixian;YAN, Xiangyan;ZHOU, Zeqi~ 33:CN ~31:201910375345.8 ~32:07/05/2019

2021/08462 ~ Provisional ~54:SENSOR AND SENSING METHOD ~71:ADRIAN LANDMAN, 43 Maldon Street, South Africa;WERNER LANDMAN, 43 Maldon Street, South Africa ~72: ADRIAN LANDMAN~

2021/08475 ~ Complete ~54:METHOD FOR PREPARING CHONDROITIN SULFATE/DIACYLGLYCEROL NANOEMULSION TO PROMOTE EFFICIENT SECRETION OF MUCOPOLYSACCHARIDE FROM CARTILAGE ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: FENG, Yongsheng;GUO, Liping;HUANG, He;HUANG, Ming;LI, Fangfang;LI, Yan;SUN, Jingxin;WANG, Baowei;WANG, Shuling;YAO, Xianqi;ZHANG, Congxiang;ZHANG, Ming~39;ai;ZHAO, Xiangjin;ZHENG, Yuandong~ 33:CN ~31:202111032032.6 ~32:03/09/2021

2021/08487 ~ Complete ~54:METHOD FOR CREATING SALT-TOLERANT AND DROUGHT-TOLERANT CORN ~71:Xu Shaodong, No.66 Zhonglin Road, Lixia District, Jinan City, Shandong Province, People's Republic of China ~72: Cui Yueyong;Ding Jianguo;Liu Chunqiang;Xu Baojian;Xu Shaodong;Xu Weichen~

2021/08490 ~ Complete ~54:FLOTATION METHOD FOR RECOVERING FINE-GRAINED CASSITERITE FROM TAILINGS ~71:GUANGXI UNIVERSITY, No. 100, University East Road, Xixiangtang District, Nanning, Guangxi, 530004, People's Republic of China ~72: GAO, Yang;LIAO, Xingjin;SHEN, Fang;WEI, Xueyan;WEI, Zongwu~

2021/08509 ~ Complete ~54:REMOTE CONTROL HOLE DIGGER ~71:Institute of Agricultural Machinery Research, Chinese Academy of Tropical Agricultural Sciences, No. 3, Huxiu Road, Mazhang District, Zhanjiang City, Guangdong Province, 524091, People's Republic of China ~72: CHEN, Peimin;DENG, Yiguo;LIU, Qing;WANG, Yeqin;YAN, Bo;ZENG, Zhiqiang;ZHANG, Yuan~ 33:CN ~31:202011207226.0 ~32:03/11/2020

2021/08511 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF NICKEL-DOPED PYRRHOTITE FES NANOPARTICLES ~71:Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong Province, People's Republic of China ~72: Gao Mengyou;Jing Zhongxin;Lin Jianjian;Sun Lei;Zheng Dehua~

2021/08522 ~ Complete ~54:COMBINATION OF CHIR99021 AND VALPROIC ACID FOR TREATING HEARING LOSS ~71:FREQUENCY THERAPEUTICS, INC., 75 Hayden Avenue, Suite 300, United States of America ~72: BEAR, Moraye;HERBY, Jenna;HINTON, Ashley;LEBEL, Carl;LOOSE, Christopher;MCLEAN, Will~ 33:US ~31:62/831,167 ~32:08/04/2019;33:US ~31:62/831,169 ~32:08/04/2019;33:US ~31:62/831,170 ~32:08/04/2019

2021/08536 ~ Complete ~54:BNIP3 PEPTIDES FOR TREATMENT OF REPERFUSION INJURY ~71:BIMYO GMBH, Alfred-Nobel-Straße 10, 40789, Monheim, Germany ~72: TIENUSH RASSAF;ULRIKE HENDGEN-COTTA~ 33:EP ~31:19173715.4 ~32:10/05/2019

2021/08538 ~ Complete ~54:ARTIFICIAL DIELECTRIC MATERIAL AND FOCUSING LENSES MADE OF IT
~71:GUANGZHOU SIGTENNA TECHNOLOGY CO., LTD., Room 311, Floor 3rd, Main Building, No.5, 1st Street,
Gongye 1st Road, Nansha Street, Nansha District, People's Republic of China ~72: SLEDKOV, Victor
Aleksandrovich~ 33:NZ ~31:752944 ~32:26/04/2019

- APPLIED ON 2021/11/03 -

2021/08567 ~ Complete ~54:APPLICATION OF HIGH-SULFATED GALACTOSAN FUCOIDAN DERIVED FROM
BROWN ALGAE IN MEDICINES AND HEALTH PRODUCTS FOR PREVENTING AND TREATING
PULMONARY FIBROSIS ~71:Institute of Oceanology of the Chinese Academy of Sciences, 7 Nanhai Road,
Qingdao, Shandong Province, People's Republic of China ~72: Geng Lihua;Li Zhi;Wang Jing;Wu Ning;Yue
Yang;Zhang Quanbin~

2021/08576 ~ Complete ~54:SYSTEMS AND METHODS FOR HANDLING TELESCOPIC FQDNS
~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72:
CASTELLANOS ZAMORA, David;DE-GREGORIO-RODRIGUEZ, Jesus-Angel;KUJANEN, Juha~ 33:US
~31:62/830,999 ~32:08/04/2019

2021/08553 ~ Complete ~54:ANHYDRATION DEVICE AND ALGA COLLECTION BOAT USING SAME
~71:Zhejiang Coolkind Intelligent Technology Co., Ltd., Room 220-34, Comprehensive Office Building, No.222,
Lvyin Road, Qianjin Street, Qiantang New District, Hangzhou City, Zhejiang Province, 310000, People's Republic
of China ~72: HAN, Ji;HAN, Shuicheng~ 33:CN ~31:202110498111.X ~32:08/05/2021

2021/08545 ~ Provisional ~54:A FIREARM MONITORING DEVICE ~71:CEREBUS CYBER FORENSICS (PTY)
LTD., 17 Scott Street, Waverley, Johannesburg, 2090, South Africa ~72: PATHMANATHAN GOPAL
PATHER;SEYTON CARMEN HAYES;TRISTAN GARETH PARKES~

2021/08580 ~ Complete ~54:A BUILDING KIT ~71:LAMBERT, Dean, 224 A JULIUS JEPPE STREET,
WATERKLOOF, PRETORIA, 0181, SOUTH AFRICA, South Africa ~72: LAMBERT, Robert, William~ 33:ZA
~31:2019/02507 ~32:23/04/2019

2021/08586 ~ Complete ~54:ENHANCED PERFORMANCE OF AMORPHOUS SOLID AND SOLUBILIZED
FORMULATIONS FOR ACHIEVING THERAPEUTIC PLASMA CONCENTRATIONS ~71:Bristol-Myers Squibb
Company, Route 206 and Province Line Road, PRINCETON 08543, NJ, USA, United States of America ~72:
CHOWAN, Gajendra Singh;GARMISE, Robert J.;LEVONS, Jaquan Kalani;NARASIMHAMURTHY, Roopa;PAL,
Sharmistha;PANDURANGA, Narayan Swamy;PATTASSERI, Shabeerali;REDDY, Jay Poorna;SAXENA,
Ajay;SRIDHAR, Srikanth Koravady;STEFANSKI, Kevin J.;WAKNIS, Vrushali M.;ZIEMBA, Theresa M.~ 33:US
~31:62/832,606 ~32:11/04/2019

2021/08555 ~ Complete ~54:ROCK MASS MINING STRESS MONITORING DEVICE ~71:Anhui University of
Science and Technology, No.168 Shungeng Middle Road, Huainan City, Anhui Province, People's Republic of
China ~72: Geng Hengyi;Hao Hongjun;Wu Jiwen;Zhai Xiaorong;Zhang Xueli~

2021/08547 ~ Provisional ~54:BRAI-N-GRILL ~71:GIDEON JOHANNES HITCHCOCK, 10 STRAND STREET,
South Africa ~72: GIDEON JOHANNES HITCHCOCK~

2021/08556 ~ Complete ~54:AUTOMATIC DINNER TRAY RECYCLING DEVICE ~71:QINGDAO UNIVERSITY
OF TECHNOLOGY, No.777 Jialingjiang Road, Economic and Technological Development Zone, Qingdao,
Shandong, 266520, People's Republic of China ~72: LIU Qingyu;NI Tingting;SUN Shufeng;YANG Fazhan~

2021/08562 ~ Complete ~54:METHOD FOR BREWING TARTARY BUCKWHEAT SEEDLING BRANDY ~71:CUI, Naizhong, 405 Xingyun Street, Datong City, Shanxi Province, 037009, People's Republic of China;SHANXI DATONG UNIVERSITY, 405 Xingyun Street, Datong City, Shanxi Province, 037009, People's Republic of China ~72: CUI, Naizhong;LI, Hui;LIU, Lizhen;LIU, Rui;MI, Zhi;WANG, Runmei;WU, Juan~

2021/08578 ~ Complete ~54:TRISPECIFIC BINDING PROTEINS, METHODS, AND USES THEREOF ~71:SANOI, 54 rue La Boëtie, France ~72: BIRKENFELD, Joerg;CAMERON, Batrice;DABDOUBI, Tarik;LEMOINE, Cendrine;NABEL, Gary, J.;PRADES, Catherine;QIU, Huawei;REGULA, Joerg;SEUNG, Edward;WEI, Ronnie;WU, Lan;XING, Zhen;XU, Ling;YANG, Zhi-Yong~ 33:US ~31:62/831,572 ~32:09/04/2019;33:EP ~31:19306261.9 ~32:02/10/2019

2021/08587 ~ Complete ~54:NON-CONTACT HEAT NOT BURN HEATING DEVICE ~71:XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10TH FLOOR, NO.1036, XIAHE ROAD, People's Republic of China ~72: FU, ZENGXUE;LIU, MAOQI;XIONG, ZHAORONG;YU, XIANGYI;ZHU, XIAOHUA~ 33:CN ~31:201920703370.X ~32:16/05/2019;33:CN ~31:201910850981.1 ~32:10/09/2019;33:CN ~31:201921496546.5 ~32:10/09/2019

2021/08548 ~ Provisional ~54:BARRIER SYSTEM ~71:Jacques Pretorius, 1089 Regatta Road, Henley on Klip, Vaal Triangle, Gauteng, 1961, South Africa ~72: Jacques Pretorius~

2021/08564 ~ Complete ~54:GAS FILTERING SYSTEM FOR COMPOSTING ~71:Leshan Normal University, 778# Binhe Road, Shizhong District, Leshan City, Sichuan Province, People's Republic of China ~72: Chang Jiali;Huang Zhengxin;Jiang Tao;Li Guoxue;Liu Xudong;Luo Wenhai;Ma Xuguang;Tang Qiong~

2021/08582 ~ Complete ~54:SYSTEM, METHOD AND APPARATUS FOR RESTRICTING USE OF A NETWORK DEVICE THROUGH AUTOMATED POLICY ENFORCEMENT ~71:NoCell Technologies, LLC, 30 Journey, ALISO VIEJO 92656, CA, USA, United States of America ~72: MCKEFFERY, Donald;PATEL, Himanshu;THEIL, Frederick~ 33:US ~31:16/398,120 ~32:29/04/2019;33:US ~31:16/398,127 ~32:29/04/2019

2021/08563 ~ Complete ~54:DOUBLE-COLUMN BRIDGE STRUCTURE WITH ENERGY- DISSIPATING AND SELF-CENTERING FUNCTIONS AND CONSTRUCTION METHOD ~71:China Construction Fifth Engineering Bureau Co., LTD, No. 158 Zhongyi No. 1 Road, Yuhua District, Changsha, Hunan Province, 410004, People's Republic of China;Shijiazhuang Rongqiao Technology Co., LTD, C4, Floor 5 Chuangxin Building, No. 315 Changjiang Avenue, Shijiazhuang Hightech Zone, Hebei Province, 050081, People's Republic of China;Zhong Jiao Jian Ji Jiao Highway Investment Development Co. LTD, No. 6 Huaxing Road, Qiaoxi District, Shijiazhuang, Hebei Province, 050000, People's Republic of China ~72: Baojia HE;Changchun XU;Jianxin ZHANG;Jianyu ZHONG;Jitao LIN;Naihao TAN;Shuiquan ZENG;Xian RONG;Xiao LIU;Xiaojun JIANG;Xiaoyang LI;Yayun LONG;Yongli ZHANG;Yu WANG~ 33:CN ~31:202111202545.7 ~32:15/10/2021

2021/08569 ~ Complete ~54:HIGH-TEMPERATURE AND HIGH-PRESSURE PLASTICIZING DEVICE ~71:Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Di Chengrui;Gao Xueping;Lv Jianguo;Qiao Kun;Zhang Min;Zhang Ye;Zhu Anping;Zhu Bo~

2021/08577 ~ Complete ~54:TRISPECIFIC AND/OR TRIVALENT BINDING PROTEINS USING THE CROSS-OVER-DUAL-VARIABLE DOMAIN (CODV) FORMAT FOR TREATMENT OF HIV INFECTION ~71:SANOI, 54 rue La Boëtie, France;THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES, c/o National Institutes of Health, 6011 Executive Boulevard, Suite 325, United States of America ~72: ASOKAN, Mangaiarkarasi;BEIL, Christian;BENINGA, Jochen;BIRKENFELD, Joerg;CONNORS, Mark;KROUP, Richard, A.;KWON, Young Do;KWONG, Peter, D.;LIU, Qingbo;LUSSO, Paolo;MASCOLA, John, R.;NABEL, Gary, J.;PEGU, Amarendra;RAO, Ercole;WEI, Ronnie;XU, Ling;YANG, Zhi-Yong~ 33:US ~31:62/831,415 ~32:09/04/2019;33:EP ~31:19306312.0 ~32:08/10/2019

2021/08575 ~ Complete ~54:PHOSPHATE-FREE CLEANER FOR METALLIC SURFACES WITH REDUCED PICKLING EROSION ~71:CHEMETALL GMBH, TRAKEHNER STRASSE 3, 60487 FRANKFURT, GERMANY, Germany ~72: SCHAUS, Andre;WEIL, Dominic~ 33:EP ~31:19167342.5 ~32:04/04/2019

2021/08584 ~ Complete ~54:METHOD FOR PREDICTING EFFECTIVENESS OF TREATMENT OF HEMOGLOBINOPATHY ~71:EdiGene Inc., Floor 2, Building 2, No. 22 Kexueyuan Road, Changping District, BEIJING 102206, CHINA (P.R.C.), People's Republic of China ~72: FANG, Riguo;YANG, Huihui;YU, Lingling~ 33:IB ~31:2019/085116 ~32:30/04/2019

2021/08585 ~ Complete ~54:REACTION MIXER ~71:Philadelphia Mixing Solutions, Ltd., 1221 East Main Street, PALMYRA 17078, PA, USA, United States of America ~72: BOYER, Benjamin Aaron;GIACOMELLI, Jason Jon;GRENVILLE, Richard Kenneth;HUTCHINSON, Todd Michael~ 33:US ~31:62/842,824 ~32:03/05/2019

2021/08544 ~ Provisional ~54:INTERMEDIATE BULK CONTAINER ARRANGEMENT ~71:Vortex Innovation Worx (Pty) Ltd, 4 Paddy Close, South Africa ~72: Adrian STOVELL;Lourens GROBBELAAR;Ryan FOWLER~

2021/08590 ~ Provisional ~54:SKIP THE QUEUE APP ~71:Molefane Kenny Mphahlele, 101 Bavianspoort road Eastlynne, South Africa ~72: Molefane Kenny Mphahlele~

2021/08542 ~ Provisional ~54:LINE SUPPORT UNIT ~71:D'OLIVEIRA, Peter Edward, 21 Edwards Avenue, South Africa ~72: D'OLIVEIRA, Peter Edward~

2021/08583 ~ Complete ~54:SYSTEMS AND METHODS FOR MINING ON A PROOF-OF-WORK BLOCKCHAIN NETWORK ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: FLETCHER, John;MACKAY, Alexander Tennyson;WRIGHT, Craig Steven~ 33:GB ~31:1906893.1 ~32:16/05/2019;33:GB ~31:1912070.8 ~32:22/08/2019

2021/08557 ~ Complete ~54:MULTIDIMENSIONAL DYNAMIC SKI SIMULATOR ~71:Hebei Sports University, No.82 Xuefu Road, Chang'an District, Shijiazhuang City, Hebei Province, People's Republic of China ~72: Cao Chuanbao;Guo Xijun;Shi Donglin;Xie Fengling~

2021/08561 ~ Complete ~54:METHOD FOR BREWING DAYLILY BRANDY ~71:CUI, Naizhong, 405 Xingyun Street, Datong City, Shanxi Province, 037009, People's Republic of China;SHANXI DATONG UNIVERSITY, 405 Xingyun Street, Datong City, Shanxi Province, 037009, People's Republic of China ~72: CUI, Naizhong;LI, Hui;MI, Zhi;TAN, Jing;WU, Juan;ZHANG, Hongchi;ZHANG, Xun~

2021/08565 ~ Complete ~54:RAPID AND HIGHLY SENSITIVE DIFFERENTIAL DIAGNOSIS KIT FOR BRUCellosis VACCINE STRAIN AND WILD STRAIN AND USING METHOD THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China ~72: Cao Zhi;Zhang Qiaoya~

2021/08574 ~ Complete ~54:PROCESS FOR THE PRODUCTION OF AN ADDITIVE FOR BITUMINOUS CONGLOMERATES WITH HIGH MECHANICAL PERFORMANCES AND ADDITIVE COMPOSITION ~71:ITERCHIMICA S.P.A., Via G. Marconi, 21, Italy ~72: BERTULETTI, Elisa;CISANI, Sergio;GIANNATTASIO, Federica~ 33:IT ~31:102019000006600 ~32:07/05/2019

2021/08559 ~ Complete ~54:SYNTHETIC METHOD FOR PREPARING MICROSPHERE ZINC VANADATE AND ITS APPLICATION IN LITHIUM ION BATTERY ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Chen Ruixin;Han Jishu;Li Binjie;Sun Jing;Wang Lei~

2021/08581 ~ Complete ~54:FULLY AUTOMATIC COFFEE MACHINE ~71:JURA ELEKTROAPPARATE AG, Kaffeeweltstrasse 10, Switzerland ~72: Philipp BAUR~ 33:EP ~31:19188196.0 ~32:24/07/2019

2021/08589 ~ Complete ~54:METHODS OF ANTI-TUMOR THERAPY ~71:VASCULAR BIOGENICS LTD., 8 HaSatat St. 7178106, Israel ~72: BREITBART, Eyal;MENDEL, Itzhak;RACHMILEWITZ MINEI, Tamar;YACOV, Niva~ 33:US ~31:62/833,402 ~32:12/04/2019

2021/08558 ~ Complete ~54:ROCK-LIKE MATERIAL BIDIRECTIONAL PRESSURE TESTING DEVICE AND WORKING METHOD ~71:China University of Petroleum, No. 66, West Changjiang Road, Huangdao District, Qingdao, Shandong Province, 266580, People's Republic of China;Qingdao University of Technology, No.777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao City, Shandong Province, 266525, People's Republic of China ~72: CONG, Yu;HE, Keqiang;SUN, Linna;ZHANG, Liming;ZHANG, Yu;ZHAO, Tianyang~ 33:CN ~31:202011210161.5 ~32:03/11/2020

2021/08560 ~ Complete ~54:MANGANESE DIOXIDE/IRON-PLATINUM COMPOSITE NANOMATERIAL WITH SYNERGISTIC CATALYSIS FUNCTIONS, PREPARATION METHOD AND APPLICATION THEREOF ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: DAI, Zhichao;HU, Zunfu;KOU, Yunkai;SUN, Yunqiang;TIAN, Lu;ZHENG, Xiuwen~ 33:CN ~31:202110690429.8 ~32:22/06/2021

2021/08543 ~ Provisional ~54:A PORTABLE BEVERAGE CRATE ~71:ADAMS, Gail, 169 Bietou Road, Eastridge, South Africa ~72: ADAMS, Gail~

2021/08546 ~ Provisional ~54:WEBRAI ~71:GIDEON JOHANNES HITCHCOCK, 10 STRAND STREET, South Africa ~72: GIDEON JOHANNES HITCHCOCK~

2021/08541 ~ Provisional ~54:MEDICAL SERVICE ARRANGEMENT ~71:Giel Berdus KRÜGER, De Bruin street 10, South Africa ~72: Giel Berdus KRÜGER~

2021/08568 ~ Complete ~54:A DATA ANALYSIS METHOD AND SYSTEM FOR AI IDENTIFYING SPORTS TRAJECTORY ~71:Huaiyin Normal University, No.111 Changjiang West Road, Huai 'an City, Jiangsu Province, 223300, People's Republic of China ~72: CHEN, Jiandong;CHEN, Yan;FENG, Lei;REN, Yadong~

2021/08588 ~ Complete ~54:ASYMMETRIC MULTIROTOR ~71:COLUGO SYSTEMS LTD, 87 Haolim Street, Israel ~72: REGEV, Amit~ 33:IL ~31:265840 ~32:04/04/2019

2021/08852 ~ Provisional ~54:CONTACTLESS ORDERING SYSTEM ~71:Kyreen Ramklowan, 37 Zenith Drive Umhlanga Ridge, South Africa;Shanul Singh, 37 Zenith Drive Umhlanga Ridge, South Africa ~72: Kyreen Ramklowan;Shanul Singh~

2021/08566 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF CEMENTED BACKFILL MATERIAL FOR LEAD-ZINC TAILINGS ~71:China University of Geosciences (Beijing), No.29 Xueyuan Road, Haidian District, Beijing City, 100083, People's Republic of China;University of Science and Technology Beijing, No.30 Xueyuan Road, Haidian District, Beijing City, 100083, People's Republic of China ~72: Li Jia;Ni Wen;Teng Guoxiang;Yang Huifen;Yao Jun;Zhang Ge;Zhang Siqu;Zhao Tong~

2021/08579 ~ Complete ~54:INHIBITORS OF NOTCH SIGNALLING PATHWAY AND USE THEREOF IN TREATMENT OF CANCERS ~71:CELLESTIA BIOTECH AG, TECHNOLOGIEPARK BASEL, HOCHBERGERSTRASSE 60C, 4057 BASEL, SWITZERLAND, Switzerland ~72: BOLD, Guido;LEHAL, Rajwinder;URECH, Charlotte;ZOETE, Vincent~ 33:EP ~31:19168508.0 ~32:10/04/2019

2021/08554 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF A POLYPEPTIDE VACCINE ~71:Geyuan Zhishan (Shanghai) Biotechnology Co., LTD, Room 8B-2, 8th Floor, Building 33, No.680, Guiping Road, Xuhui District, Shanghai, People's Republic of China;The Second Affiliated Hospital and Yuying Children's Hospital of Wenzhou Medical University, No.268, Xueyuan West Road, Wenzhou, Zhejiang Province, People's Republic of China ~72: Cai Zhenzhai;Li Rui;Li Weiying;Lin Limiao;Pan Chenwei;Shan Na;Su Xiaoping;Yu Yaojun;Zhu Yuesheng~

- APPLIED ON 2021/11/04 -

2021/08592 ~ Provisional ~54:RAZOR WIRE ~71:COCHRANE INDUSTRIES UK LIMITED, 132 Hartlebury Trading Estate, Hartlebury, United Kingdom ~72: BUCARIZZA, Vlado~

2021/08612 ~ Complete ~54:ENHANCEMENT DEVICE AND METHOD BASED ON HIGH NONLINEAR PHOTONIC CRYSTAL FIBER RAMAN LASER ~71:Nanjing Tech University, No. 30, Puzhu South Road, Jiangbei New District, Nanjing, Jiangsu, 211800, People's Republic of China ~72: FENG, Chun;JIANG, Shubo~

2021/08624 ~ Complete ~54:A M-TYPE VENTILATION METHOD FOR GOB SIDE ENTRY RETAINING FACE IN GAS OUTBURST MINE ~71:GUIZHOU PAN JIANG COAL AND ELECTRICITY REFCO GROUP LTD, 95 Lincheng West Road, Guanshanhu District, Guiyang, Guizhou Province, 550081, People's Republic of China;Guizhou University, Huaxi District, Guiyang, Guizhou Province, 550025, People's Republic of China ~72: Dongyue Zhang;Hongfei Xie;Lang Zhou;Wei Yang;Xingxing Zheng;Zhenqian Ma~

2021/08630 ~ Complete ~54:CDK INHIBITORS ~71:QiLu Regor Therapeutics Inc., Building 10, No. 1206, Zhangjiang Road, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: HE, Hu;HU, Zhilong;ZHANG, Fei;ZHONG, Wenge;ZHU, Xiaotian~ 33:IB ~31:2019/085494 ~32:05/05/2019

2021/08639 ~ Complete ~54:COMPOSITIONS AND METHODS RELATING TO PLANT MESSENGER PACKS ~71:FLAGSHIP PIONEERING INNOVATIONS VI, LLC, 55 Cambridge Parkway, 8th Floor, Cambridge, Massachusetts, 02142, United States of America ~72: BARRY ANDREW MARTIN;DANIEL GARCIA CABANILLAS;JOHN PATRICK JR CASEY;MARIA HELENA CHRISTINE VAN ROOIJEN;NATALIYA VLADIMIROVNA NUKOLOVA;SIMON SCHWIZER;YAJIE NIU~ 33:US ~31:62/838,930 ~32:25/04/2019;33:US ~31:62/848,466 ~32:15/05/2019

2021/08640 ~ Complete ~54:DISPENSER AND METHOD OF USE THEREOF ~71:S. C. JOHNSON & SON, INC., 1525 Howe Street, Racine, Wisconsin, 53403, United States of America ~72: CAITLIN Y O'GARA;CALISTOR NYAMBO;CURTIS CONKLIN;JIA WANG;TODD ULRICH~ 33:US ~31:16/431,598 ~32:04/06/2019

2021/08746 ~ Complete ~54:NON-CONTACT HEAT NOT BURN HEATING DEVICE ~71:XIAMEN FENGTAO CERAMICS CO., LTD, I33, 10TH FLOOR, NO.1036, XIAHE ROAD, People's Republic of China ~72: FU, ZENGXUE;LIU, MAOQI;XIONG, ZHAORONG;YU, XIANGYI;ZHU, XIAOHUA~ 33:CN ~31:201920703370.X ~32:16/05/2019;33:CN ~31:201910851072.X ~32:10/09/2019;33:CN ~31:201921496300.8 ~32:10/09/2019;33:CN ~31:201921496320.5 ~32:10/09/2019;33:CN ~31:201921496452.8 ~32:10/09/2019

2021/08596 ~ Provisional ~54:VEHICLE CONTROL CONVERSION SYSTEM ~71:REDPRO Global (Pty) Ltd, Lynnwood Corporate Park, Building B, 26 Alkantrant Road, Lynnwood Ridge, South Africa ~72: CLAASSEN, Daniël Gerhardus~

2021/08601 ~ Complete ~54:ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF ~71:Tillotts Pharma AG, Baslerstrasse 15, RHEINFELDEN 4310, SWITZERLAND, Switzerland ~72: FURRER, Esther Maria;GUNDE, Tea;MEYER, Sebastian~ 33:EP ~31:16160907.8 ~32:17/03/2016

2021/08603 ~ Complete ~54:RIP1 INHIBITORY COMPOUNDS AND METHODS FOR MAKING AND USING THE SAME ~71:Rigel Pharmaceuticals, Inc., 1180 Veterans Boulevard, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: BHAMIDIPATI, Somasekhar;MASUDA, Esteban;SHAW, Simon;TAYLOR, Vanessa~ 33:US ~31:62/666,462 ~32:03/05/2018

2021/08611 ~ Complete ~54:BONE CHINA BODY WITH HIGH THERMAL STABILITY ~71:Qingdao Liangmeiyi Ceramic New Material Technology Co., Ltd., No.506 Huicheng Road, Chengyang Street, Chengyang District, Qingdao City, Shandong Province, 266000, People's Republic of China;Qingdao University of Science and Technology, 99 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: MA, Zheng;WANG, Lixin;WANG, Mingyue;WANG, Zhiyi;ZHANG, Jiajia~

2021/08625 ~ Complete ~54:NOVEL MEK-INHIBITOR FOR THE TREATMENT OF VIRAL AND BACTERIAL INFECTIONS ~71:ATRIVA THERAPEUTICS GMBH, Eisenbahnstrasse 1, Germany ~72: PLANZ, Oliver~ 33:LU ~31:LU101183 ~32:16/04/2019

2021/08629 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING HEPATITIS B VIRUS (HBV) INFECTION ~71:Vir Biotechnology, Inc., 499 Illinois Street, Suite 500, SAN FRANCISCO 94158, CA, USA, United States of America ~72: BAKARDJIEV, Anna;CONNOLLY, Lynne E.;PANG, Phillip S.~ 33:US ~31:62/846,927 ~32:13/05/2019;33:US ~31:62/893,646 ~32:29/08/2019;33:US ~31:62/992,785 ~32:20/03/2020;33:US ~31:62/994,177 ~32:24/03/2020;33:US ~31:63/009,910 ~32:14/04/2020

2021/08638 ~ Complete ~54:ENGINEERING OF AN ANTIBODY FOR TUMOR-SELECTIVE BINDING OF CD47 ~71:CELGENE CORPORATION, 86 Morris Avenue, Summit, New Jersey, 07901, United States of America ~72: DAN ZHU;HARALAMBOS HADJIVASSILIOU;HO CHO;JEFFREY JOHNSON;JEONGHOON SUN;KANDASAMY HARIHARAN;SHARMISTHA ACHARYA~ 33:US ~31:62/830,335 ~32:05/04/2019

2021/08604 ~ Complete ~54:PASTURE PROCESSING AND STORAGE SYSTEM FOR ANIMAL HUSBANDRY ~71:GRASS AND SCIENCE INSTITUTE OF HEILONGJIANG ACADEMY OF AGRICULTURAL SCIENCES, NO.368 XUEFU ROAD, NANGANG DISTRICT, People's Republic of China ~72: DONGMEI ZHANG;GUILI DI;JIA YOU;JIANLI WANG;LINLIN MU;PENG ZHONG;WEIBO HAN;ZHONGBAO SHEN~

2021/08615 ~ Complete ~54:HYDROGEL ELECTRODE DIAPHRAGM SUITABLE FOR USE AS MULTI-CHANNEL PHYSIOLOGICAL RECORD PROCESSING SYSTEM AND METHOD ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: CHEN, Honglei;JIANG, Weikun;LIU, Shuyun;LIU, Yu;LV, Gaojin;YANG, Mengru~ 33:CN ~31:202011625534.5 ~32:30/12/2020

2021/08598 ~ Complete ~54:METHOD FOR QUICKLY DELINEATING TARGET PROSPECTING AREA FOR GOLD DEPOSIT ~71:QINGHAI THIRD GEOLOGICAL SURVEY INSTITUTE, NO. 61, XICHUAN SOUTH ROAD, XINING CITY, People's Republic of China ~72: HE, SHUYUE;LIU, GUANGLIAN;LIU, YONGLE;LIU, ZHIGANG;MA, ZHONGYUAN;SUN, FEIFEI;ZHANG, AIKUI;ZHANG, DAMIN;ZHANG, YONG~ 33:CN ~31:202111188646.3 ~32:12/10/2021

2021/08602 ~ Complete ~54:ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF ~71:Tillotts Pharma AG, Baslerstrasse 15, RHEINFELDEN 4310, SWITZERLAND, Switzerland ~72: FURRER, Esther Maria;GUNDE, Tea;MEYER, Sebastian~ 33:EP ~31:16160907.8 ~32:17/03/2016

2021/08634 ~ Complete ~54:COMPOSITE MATERIAL BASED ON ALLOYS, MANUFACTURED IN SITU, REINFORCED WITH TUNGSTEN CARBIDE AND METHODS OF ITS PRODUCTION ~71:INNERCO SP. Z O.O, ul. Jadwigi Majówny 43A, Poland ~72: OLEJNIK, Ewa~

2021/08593 ~ Provisional ~54:FILTER ~71:Fluidra Waterlinx (Pty) Ltd, 5 Kruger Street, Denver, Johannesburg 2094, Gauteng, SOUTH AFRICA, South Africa ~72: BOTHA, Hermanus Johannes~

2021/08645 ~ Complete ~54:ACTIVE RESPONSE COLD TREATMENT FOR REFRIGERATED CARGO ~71:ARROWSPOT SYSTEMS LTD., 3 Hakerem St., 4069200 Kfar Hess, Israel ~72: RAN MENACHEM GRINSHTAIN~ 33:IT ~31:102019000005278 ~32:05/04/2019

2021/08748 ~ Complete ~54:RADIATIVE-HEATING CLOTHING FABRIC WITH COLOURS ~71:LIFELABS DESIGN, INC., 1153 Tasman Dr. Sunnyvale, United States of America ~72: CAI, Lili;CUI, Yi~ 33:US ~31:16/406,964 ~32:08/05/2019

2021/08610 ~ Complete ~54:PROCESS FOR PRODUCING FOAMED CERAMIC GREEN BUILDING MATERIAL BY USING MANGANESE SLAG ~71:Guizhou Weijie Technology Co., Ltd., 12 Floor, Block B, Qilong Business Port, 211 Yangguan Avenue, Guanshanhu District, Guiyang City, Guizhou Province, 550009, People's Republic of China ~72: WANG, Yonghong~ 33:CN ~31:202011542578.1 ~32:23/12/2020

2021/08617 ~ Complete ~54:MINE PRESSURE TRANSFER AND BEARING ROADWAY SUPPORT AND CONSTRUCTION METHOD ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, 168 Taifeng Street, Shannan New District, Huainan City, Anhui Province, 232001, People's Republic of China;Huaihe Energy Western Coal and Electricity Group Co., Ltd., Building 1, Fenghuang New City, Intersection of Ordos West Street and Wanzheng Road, Dongsheng District, Ordos City, Inner Mongolia Autonomous Region, 150602, People's Republic of China ~72: BU, Qingwei;DANG, Jiaxin;FU, Baojie;GAO, Xing;JIN, Ningping;LI, Jiawen;LIU, Jiegao;TU, Min;YUAN, Benqing;ZHAO, Gaoming;ZHAO, Qingchong~ 33:CN ~31:202111039266.3 ~32:06/09/2021

2021/08647 ~ Complete ~54:CONJUGATES OF AUXIN ANALOGS ~71:Ramot at Tel-Aviv University Ltd., P.O. Box 39296, Israel;The State of Israel, Ministry of Agriculture & Rural Development, Agricultural Research Organization (ARO) (Volcani Center), Volcani Center, P.O. Box 15159, Israel;Yissum Research Development Company of the Hebrew University of Jerusalem Ltd., Hi Tech Park, The Edmond J. Safra Campus, The Hebrew University of Jerusalem, Givat Ram, P.O. Box 39135, Israel ~72: ESHED-WILLIAMS Leor;RIOV Joseph;SADOT Einat;WEINSTAIN Roy~ 33:IL ~31:266136 ~32:18/04/2019;33:US ~31:62/885,840 ~32:13/08/2019

2021/08600 ~ Complete ~54:ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF ~71:Tillotts Pharma AG, Baslerstrasse 15, RHEINFELDEN 4310, SWITZERLAND, Switzerland ~72: FURRER, Esther Maria;GUNDE, Tea;MEYER, Sebastian~ 33:EP ~31:16160907.8 ~32:17/03/2016

2021/08605 ~ Complete ~54:PRODUCTION METHOD OF ZINC-RICH FLAXSEEDS ~71:GUYUAN BRANCH OF NINGXIA ACADEMY OF AGRICULTURAL AND FORESTRY SCIENCES, NO. 137, DANANSI LANE, YUANZHOU DISTRICT, People's Republic of China ~72: AIPING QIAN;QIANNAN ZHANG;WEI ZHANG;XIN ZHANG;XIUXIA CAO;ZHIWEI YANG~

2021/08613 ~ Complete ~54:BONE CHINA BODY WITH HIGH STRENGTH AND HIGH THERMAL STABILITY ~71:Guangdong Sitong Group Co., Ltd, Block B11-4-1, South of Chaozhou Railway Station District, Chaozhou City, Guangdong Province, 521031, People's Republic of China ~72: LI, Xia;LIU, Xuguang;MA, Zheng;WANG, Hui;WANG, Zhiyi~

2021/08619 ~ Complete ~54:QUASI-ISOSTATIC PRESSING ELECTRODE SEALING MECHANISM AND USING METHOD THEREOF ~71:Institute of Geochemistry, Chinese Academy of Sciences, 99 West Lincheng Road, Guanshanhu District, Guiyang, Guizhou Province, 550081, People's Republic of China;Shandong Gold Mining Co., Ltd., 2503 Jingshi Road, Licheng District, Jinan City, Shandong Province, 250101, People's Republic of

China;Shandong Institute of Geological Sciences, 1827 Shunhua Road, High-tech Zone, Jinan City, Shandong Province, 250100, People's Republic of China ~72: LI, Heping;LI, Zengsheng;LIN, Sen;LIU, Qingyou;WU, Min~

2021/08631 ~ Complete ~54:STABILIZED FORMULATIONS CONTAINING ANTI-ANGPTL3 ANTIBODIES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: LIU, Dingjiang;SKINNER, Andria~ 33:US ~31:62/852,643 ~32:24/05/2019

2021/08633 ~ Complete ~54:SMALL HAND-GUIDED SELF-PROPELLED GARLIC PLANTER ~71:JINAN HUAQING AGRICULTURAL MACHINERY TECHNOLOGY CO., LTD, Yuhuangmiao Town Government Residence, Shanghe County, Jinan, People's Republic of China ~72: CHONG, Jun;CHONG, Lu;LIU, Yong;SHEN, Yongshuai;ZHANG, Guanghui~ 33:CN ~31:201910770639.0 ~32:20/08/2019

2021/08642 ~ Complete ~54:PROJECTILE ALIGNMENT AND SECUREMENT DEVICE ~71:ULTRA ELECTRONICS FORENSIC TECHNOLOGY INC., Suite 200, 5757 Boulevard Cavendish, Montréal, Québec, H4W 2W8, Canada ~72: DANNY MARINA;LOUIS LAMARCHE;SERGE LABRECQUE;SERGE LEVESQUE;SIMON BONIN;VALENTIN DULHARIU~ 33:US ~31:62/849,517 ~32:17/05/2019

2021/08646 ~ Complete ~54:APPLICATION OF COMPOUNDS INHIBITING SYNTHESIS OF VERY LONG CHAIN FATTY ACIDS IN PREVENTING AND TREATING MICROBIAL PATHOGENS AND METHOD THEREOF ~71:Sichuan Agricultural University, No.211, Huimin Road, Wenjiang District, Chengdu, Sichuan, 611130, People's Republic of China ~72: CHEN, Jinhua;CHEN, Xuewei;HE, Min;LI, Weitao;SU, Jia;WANG, Jing;XU, Youpin;YIN, Junjie;ZHU, Xiaobo~ 33:CN ~31:2019103929830 ~32:13/05/2019

2021/08599 ~ Complete ~54:ANTI-TNFALPHA-ANTIBODIES AND FUNCTIONAL FRAGMENTS THEREOF ~71:Tillotts Pharma AG, Baslerstrasse 15, RHEINFELDEN 4310, SWITZERLAND, Switzerland ~72: FURRER, Esther Maria;GUNDE, Tea;MEYER, Sebastian~ 33:EP ~31:16160907.8 ~32:17/03/2016

2021/08606 ~ Complete ~54:USE OF N6-(2-HYDROXYETHYL) ADENOSINE IN PREPARING DRUG FOR PREVENTING OR TREATING MYOCARDIAL ISCHEMIA-REPERFUSION INJURY ~71:ZHEJIANG SUBTROPICAL CROPS RESEARCH INSTITUTE, NO.334 XUESHAN ROAD,OUHAI DISTRICT,WENZHOU, People's Republic of China ~72: CHAI, YiQiu;ZHANG, SiSi~

2021/08616 ~ Complete ~54:METHOD AND SYSTEM FOR ELIMINATING RANDOM NOISE OF SEISMIC DATA ~71:Hebei GEO University, No. 136 East Huai'an Road, Shijiazhuang, Hebei , 050000, People's Republic of China ~72: CAO, Jingjie~

2021/08621 ~ Complete ~54:METHOD FOR PREPARING POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE AND POLYPROPYLENE CARBONATE/POLYLACTIC ACID COMPOSITE FIBER MEMBRANE PREPARED USING SAME ~71:JIAXING UNIVERSITY, No.899 Guangqiong Road, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: CHENG, Fengmei;JIANG, Yang;LI, Haidong;XI, Man~

2021/08623 ~ Complete ~54:USE OF N6-(2-HYDROXYETHYL) ADENOSINE IN DRUG FOR TREATING HYPERTENSION ~71:ZHEJIANG SUBTROPICAL CROPS RESEARCH INSTITUTE, NO.334 XUESHAN ROAD,OUHAI DISTRICT,WENZHOU, People's Republic of China ~72: CHAI, YiQiu;ZHANG, MengLi~

2021/08627 ~ Complete ~54:AGE VERIFICATION WITH REGISTERED CARTRIDGES FOR AN AEROSOL DELIVERY DEVICE ~71:RAI STRATEGIC HOLDINGS, INC., 401 North Main Street, Winston-Salem, United States of America ~72: DAUGHERTY, Sean~ 33:US ~31:16/415,444 ~32:17/05/2019

2021/08628 ~ Complete ~54:DISPENSING APPARATUS ~71:The Oxygen Confectionery Corp., 3 Germay Dr., Suite 4-4379, WILMINGTON 19804, DE, USA, United States of America ~72: LI, Yang~ 33:US ~31:62/830,220 ~32:05/04/2019

2021/08637 ~ Complete ~54:MICROORGANISM FOR PRODUCING L-AMINO ACID HAVING INCREASED CYTOCHROME C ACTIVITY, AND L-AMINO ACID PRODUCTION METHOD USING SAME ~71:CJ CHEILJEDANG CORPORATION, 330, Dongho-ro, Jung-gu, Seoul, 04560, Republic of Korea ~72: BORAM LIM;HAN HYOUNG LEE;HYO JEONG BYUN;HYUN WON BAE;JAEWON JANG;MOO YOUNG JUNG;SANG MIN PARK;YONG UK SHIN;YUNJUNG CHOI~ 33:KR ~31:10-2019-0173087 ~32:23/12/2019;33:KR ~31:10-2019-0173088 ~32:23/12/2019

2021/08641 ~ Complete ~54:KITS FOR DETECTING ONE OR MORE TARGET NUCLEIC ACID ANALYTES IN A SAMPLE AND METHODS OF MAKING AND USING THE SAME ~71:MESO SCALE TECHNOLOGIES, LLC., 1601 Research Boulevard, Rockville, Maryland, 20850, United States of America ~72: ALEXANDER K TUCKER-SCHWARTZ;GALINA NIKOLENKO;GEORGE SIGAL;JOHN KENTEN;LAUKIK SARDESAI;LAURE MOLLER;ROBERT UMEK;SETH BEEBE HARKINS;SUDEEP KUMAR;TIMOTHY J BREAK~ 33:US ~31:62/843,153 ~32:03/05/2019;33:US ~31:62/866,512 ~32:25/06/2019;33:US ~31:62/963,415 ~32:20/01/2020

2021/08591 ~ Provisional ~54:AN EMERGENCY NOTIFICATION DEVICE ~71:ROESTOFF, Maryne, 11 NICKLAUS STREET, SILVERLAKES, PRETORIA 0081, SOUTH AFRICA, South Africa ~72: DE WET, Niel;DU PLESSIS, Barend, Jacobus;LOUW, Andre;ROESTOFF, Maryne~

2021/08594 ~ Provisional ~54:SYSTEM AND METHOD TO SHED LOADS TO PROTECT UNINTERRUPTED BACKUP POWER ~71:CIRCUIT BREAKER INDUSTRIES (PTY) LTD, Tripswitch Drive, Elandsfontein, Johannesburg, Gauteng, South Africa ~72: MANDLENKOSI MTUNGWA;ROGER HISLOP~

2021/08607 ~ Complete ~54:ROTATABLE UNIFORM AERATION APPARATUS FOR SEWAGE TREATMENT ~71:China University of Petroleum (East China), No. 271, Bei#39;er Road, Dongying City, Shandong Province, 257505, People's Republic of China;Karamay Hongfeng Technology Co., Ltd., 31-201, Junggar Road, Karamay District, Karamay City, Xinjiang 834099 (No. 215-064, Youlian Building), People's Republic of China;Shandong Zhongqiao Qidi Environmental Protection Equipment Co., Ltd., Southeast corner of the intersection of Tiancheng Street and Leshan Road, Lebushan Ecological Economic Development Zone, Weicheng District, Weifang City, Shandong Province, 261021, People's Republic of China ~72: DING, Xinghua;LIANG, Chuanyin;LIN, Aiguo;WANG, Kemin~

2021/08614 ~ Complete ~54:SYNTHETIC FLUX FOR SINTERING OF CERAMIC BODY AND PREPARATION METHOD THEREOF ~71:Qingdao Liangmeiyi Ceramic New Material Technology Co., Ltd., No.506 Huicheng Road, Chengyang Street, Chengyang District, Qingdao City, Shandong Province, 266000, People's Republic of China;Qingdao University of Science and Technology, 99 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: MA, Zheng;WANG, Lixin;WANG, Mingyue;WANG, Zhiyi;ZHANG, Jiajia~

2021/08620 ~ Complete ~54:BOARD LATTICE FABRICATED YURT AND CONSTRUCTION METHOD THEREOF ~71:Inner Mongolia University of Technology, 49 Aimin Street, Xincheng District, Hohhot, Inner Mongolia Autonomous Region, People's Republic of China ~72: Bai Lian;Li Yunwei;Liu Chunyan~

2021/08644 ~ Complete ~54:METHOD TO IRRIGATE USING HYDROGELS IN THE SOIL TO DRAW WATER FROM THE ATMOSPHERE ~71:A.I. INNOVATIONS N.V., 500 Tamal Plaza Suite 506 , Corte Madera, California, 94925, United States of America ~72: RODNEY RUSKIN~ 33:US ~31:62/848,467 ~32:15/05/2019

2021/08595 ~ Provisional ~54:TELECOMMUNICATIONS ~71:NORMAN MASIA, NORMAN MASIA, FIRST FLOOR BLOCK 9 BENTLEY OFFICE PARK CRN RIVONIA & WESSELS ROAD RIVONIA, South Africa;Tebogo Matatanya, 64 ALOU STREET KIBLER PARK, South Africa ~72: NORMAN MASIA;Tebogo Matatanya~

2021/08597 ~ Provisional ~54:CONVERTING A CURVED SIGN INTO THREE DIFFERENT CONFIGURATIONS ~71:Gregory Jay hatmore, No. 112, 10th Avenue , Edenvale , Gauteng, South Africa ~72: Gregory Jay Whatmore~

2021/08618 ~ Complete ~54:MODIFIED MIXTURE DRY MIXING PROCESS BASED ON BUTON ROCK ASPHALT PREHEATING ~71:TONGJI UNIVERSITY, 1239 Siping Road, Yangpu District, , Shanghai , 200092, People's Republic of China ~72: GAO, Jingwei;LI, Yi;LIU, Liping;SUN, Lijun;WANG, Ming~

2021/08626 ~ Complete ~54:TRIARYL COMPOUNDS FOR TREATMENT OF PD-L1 DISEASES ~71:CHEMOCENTRYX, INC., 835 Industrial Road, Suite 600, United States of America ~72: FAN, Pingchen;LANGE, Christopher;MALATHONG, Viengkham;MALI, Venkat Reddy;MCMURTRIE, Darren J.;PUNNA, Sreenivas;SINGH, Rajinder;YANG, Ju;ZENG, Yibin;ZHANG, Penglie~ 33:US ~31:62/848,114 ~32:15/05/2019

2021/08635 ~ Complete ~54:WHOLE-PROCESS PEANUT PRODUCTION LINE AND METHOD ~71:HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.263, Kaiyuan Avenue, Luoyang, Henan , 471000, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, Shandong , 266520, People's Republic of China;RESEARCH INSTITUTE OF AGRICULTURAL MECHANIZATION, XINJIANG ACADEMY OF AGRICULTURAL SCIENCES, No.403, Nanchang Road, Urumqi, Xinjiang , 830091, People's Republic of China ~72: FENG, Yitian;FU, Hui;GAO, Lianxing;HOU, Yali;JIA, Zhenming;LI, Changhe;LI, Mingchen;LI, Xinping;LIU, Mingzheng;LIU, Xiangdong;LU, Chunan;MA, Yannan;MIAO, Guangzhen;TULUHON•TURDI;WANG, Rong;WANG, Xiaoming;YANG, Huimin;ZHANG, Yanbin~ 33:CN ~31:202010285224.7 ~32:13/04/2020

2021/08608 ~ Complete ~54:PHASE-CHANGE NANOCOMPOSITE FOR PROMOTING DRUG RELEASE BY BUBBLES AND PREPARATION METHOD AND USE THEREOF ~71:Shanghai University, No. 99, Shangda Road, Baoshan District, Shanghai, 200444, People's Republic of China ~72: FU, Cuiping;LIU, Jinliang~

2021/08622 ~ Complete ~54:SYSTEM AND METHOD FOR REMOTE MONITORING OF LIVESTOCK HOUSE ENVIRONMENT BASED ON LORA WIRELESS WIDE AREA NETWORK TECHNOLOGY ~71:Northeast Agricultural University, No.600 Changjiang Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Fu Xiao;Gao Meng;Ma Wenchuan;Shen Weizheng;Xiong Benhai;Yan Shichao;Zhang Yi~

2021/08632 ~ Complete ~54:TRICYCLIC AKR1C3 DEPENDENT KARS INHIBITORS ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: ADAIR, Chris;CHEN, Tracy;DING, Jian;FRYER, Christy;ISOME, Yuko;LARRAUFIE, Marie-Helene;NAKAJIMA, Katsumasa;SAVAGE, Nik;TWOMEY, Ariel Sterling~ 33:US ~31:62/881,619 ~32:01/08/2019;33:US ~31:63/009,513 ~32:14/04/2020;33:US ~31:63/033,932 ~32:03/06/2020

2021/08643 ~ Complete ~54:COMPOSITIONS AND METHODS FOR USE OF CANNABINOIDS FOR NEUROPROTECTION ~71:INMED PHARMACEUTICALS INC., #310-815 West Hastings Street, Vancouver, British Columbia, V6C 1B4, Canada ~72: ERIC HSU;RISHI KUMAR SOMVANSHI;SHENGLONG ZOU;UJENDRA KUMAR~ 33:US ~31:62/838,216 ~32:24/04/2019

2021/08747 ~ Complete ~54:ANTI-CANCER NUCLEAR HORMONE RECEPTOR-TARGETING COMPOUNDS ~71:NUVATION BIO INC., 1500 Broadway Suite 1401 New York, United States of America ~72: BARDE, Anup;CHAKRAVARTY, Sarvajit;CHEN, Jiyun;HUNG, David;KANKANALA, Jayakanth;NAYAK, Anjan

Kumar;PETTIGREW, Jeremy D.;PHAM, Son Minh~ 33:US ~31:62/847,854 ~32:14/05/2019;33:US
~31:62/935,069 ~32:13/11/2019;33:US ~31:62/938,218 ~32:20/11/2019

2021/08609 ~ Complete ~54:MAGNETIC SUSPENSION LINEAR MOTION DRIVING DEVICE ~71:Beihua University, No. 3999, Binjiang East Road, Fengman District, Jilin City, Jilin Province, 132011, People's Republic of China ~72: LU, Yuxin;SUN, Jiyan;YUAN, Guangjun;ZHOU, Zhenxiong~

2021/08636 ~ Complete ~54:INTELLIGENT SEPARATION DEVICE AND SEPARATION METHOD FOR PEANUT KERNEL AND PEANUT RED COAT ~71:HENAN UNIVERSITY OF SCIENCE AND TECHNOLOGY, No.263, Kaiyuan Avenue, Luoyang, Henan, 471000, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang Road, Economic and Technological Development Zone, Qingdao, Shandong, 266520, People's Republic of China;RESEARCH INSTITUTE OF AGRICULTURAL MECHANIZATION, XINJIANG ACADEMY OF AGRICULTURAL SCIENCES, No.403, Nanchang Road, Urumqi, Xinjiang, 830091, People's Republic of China ~72: FENG, Yitian;FU, Hui;GAO, Lianxing;HOU, Yali;JIA, Zhenming;LI, Changhe;LI, Mingchen;LI, Xiping;LIU, Mingzheng;LIU, Xiangdong;LU, Chunan;MA, Yannan;MIAO, Guangzhen;TULUHON•TURDI;WANG, Rong;WANG, Xiaoming;YANG, Huimin;ZHANG, Yanbin~ 33:CN
~31:202010287365.2 ~32:13/04/2020

- APPLIED ON 2021/11/05 -

2021/08649 ~ Provisional ~54:VEHICLE EXIT CONTROL ~71:Turnstar Systems (Pty) Ltd, No. 18, 6th Street, Wynberg, South Africa ~72: SACKS, Craig~

2021/08676 ~ Complete ~54:DEVICE AND METHOD THEREOF FOR DRYING LUMP ORES IN STORAGE YARD BY USING WASTE GAS OF SINTERING RING COOLER ~71:KUNSHAN YUSHUN ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD., Room 502, Building 3, Tongda Plaza, Huaqiao Town, Kunshan, Jiangsu, 215332, People's Republic of China ~72: Jun LI;Yijing ZHAO;Zeyu LI~ 33:CN ~31:202010363359.0
~32:30/04/2020

2021/08670 ~ Complete ~54:PHARMACEUTICAL PREPARATION AND METHOD FOR PRODUCING SAME ~71:FUJI PHARMA CO., LTD., 5-7 Sanban-cho, Chiyoda-ku, Tokyo, 1020075, Japan;KINOPHARMA, INC., Nihonbashi Life Science Building 2, 3-11-5 Nihonbashi-honcho, Chuo-ku, Tokyo, 1030023, Japan ~72: HIROSHI ONOGI;RYOSEI KANAYAMA;TAKAKI SHIMODAIRA;TETSUO YAMAGUCHI;TOSHIYUKI INADA~ 33:JP
~31:2019-084695 ~32:25/04/2019

2021/08680 ~ Complete ~54:METHOD AND APPLICATOR FOR CONTINUOUS SEQUENTIAL APPLICATION OF TWO OR MORE VISCOUS MATERIALS OR FLUIDS ~71:ATN HÖLZEL GMBH, Brunnenstrasse 3, Germany ~72: Bernd SCHEIBE;Uwe HAASE;Uwe SCHMIDT~ 33:DE ~31:10 2019 112 361.5
~32:10/05/2019;33:DE ~31:10 2019 112 659.2 ~32:14/05/2019

2021/08683 ~ Complete ~54:MATERIALS AND METHODS FOR MODULATING T CELL MEDIATED IMMUNITY ~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 ~31:62/844,959 ~32:08/05/2019;33:US
~31:62/844,966 ~32:08/05/2019;33:US ~31:62/844,970 ~32:08/05/2019;33:US ~31:62/844,976
~32:08/05/2019;33:US ~31:62/844,995 ~32:08/05/2019

2021/08677 ~ Complete ~54:METHOD OF TREATING TUMOURS ~71:QBIOTICS PTY LTD, SUITE 3A, LEVEL 1, 165 MOGGILL ROAD, TARINGA, QUEENSLAND 4068, AUSTRALIA, Australia ~72: BOYLE, Glen, Mathew;CULLEN, Jason, Kingsley;GORDON, Victoria, Anne;PARSONS, Peter, Gordon;REDDELL, Paul, Warren~ 33:AU ~31:2019901280 ~32:12/04/2019

2021/08691 ~ Complete ~54:APPLICATOR FOR APPLYING A HAIR PRODUCT, AND ASSOCIATED APPLICATION METHOD ~71:L'OREAL, 14, rue Royale, France ~72: GIRON, Franck;SAMAIN, Henri~ 33:FR ~31:1905431 ~32:23/05/2019

2021/08650 ~ Complete ~54:PHARMACEUTICAL COMPOSITION WITH ANTI-TUMOR EFFICACY, PREPARATION METHOD AND USES THEREOF ~71:Sichuan Academy of Chinese Medicine Sciences, No. 51, Section 4, Renmin South Road, Chengdu City, Sichuan Province , 610041, People's Republic of China ~72: CHEN, Donghui;DAI, Shan;LI, Shuai;TAN, Zhenghuai;XIE, Gang;YANG, Jun;ZHANG, Aijun;ZHANG, Xiu;ZHANG, Zhimin~

2021/08652 ~ Complete ~54:METHOD FOR SIMULATING FIBER-FORMING VISCOSITY OF MOLTEN RED MUD BASED ON MOLECULAR DYNAMICS ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: CAO, Yaran;DU, Peipei;LI, Zhihui;LONG, Yue;REN, Qianqian;TIAN, Tielei;XING, Lei;XU, Bo;ZHAO, Pengyue~ 33:CN ~31:202111054285.3 ~32:09/09/2021

2021/08656 ~ Complete ~54:METHOD FOR SIMULATING STRUCTURAL STABILITY OF MOLTEN RED MUD FIBER-FORMING SYSTEM BASED ON MOLECULAR DYNAMICS ~71:North China University of Science and Technology, 21 Bohai Road, Caofeidian Xincheng, Tangshan, Hebei, 063210, People's Republic of China ~72: DU, Peipei;LI, Zhihui;LONG, Yue;QIU, Mingwei;REN, Qianqian;TIAN, Tielei;WANG, Zhengzheng;XING, Lei;XU, Bo;ZHANG, Jiansong~ 33:CN ~31:202111054288.7 ~32:09/09/2021

2021/08659 ~ Complete ~54:INTELLIGENT LIFTING COLUMN SYSTEM APPLIED TO TIDAL LANE AND CONTROL METHOD THEREOF ~71:ShanDong JiaoTong University, Haitang Road 5001, Changqing District, Jinan City, Shandong Province, People's Republic of China ~72: Zhang Lidong~

2021/08671 ~ Complete ~54:MOBILE LOCK ~71:ABUS AUGUST BREMICKER SÖHNE KG, Altenhofer Weg 25 Wetter-Volmarstein, 58300, Germany ~72: MANUEL BANSE~ 33:DE ~31:10 2019 113 163.4 ~32:17/05/2019

2021/08687 ~ Complete ~54:WEIGHT DETERMINATION OF AN ANIMAL BASED ON 3D IMAGING ~71:VIKING GENETICS FMBA, Ebeltoftvej 16 Drastrup, Denmark ~72: BORCHERSEN, Søren;LASSEN, Jan~ 33:EP ~31:19182740.1 ~32:26/06/2019

2021/08693 ~ Complete ~54:LOW PROFILE SUPPORT STRUCTURE FOR A ROTARY REGENERATIVE HEAT EXCHANGER ~71:ARVOS LJUNGSTROM LLC, 3020 Truax Road, United States of America;SOROCHIN, Adam, C., 63 Hill Street, United States of America;STARK, William, J. Jr., 55 Clark Street, United States of America ~72: O'BOYLE, Kevin;SOROCHIN, Adam, C.;STARK, William, J. Jr.~ 33:WO ~31:PCT/US2019/031701 ~32:10/05/2019

2021/08694 ~ Provisional ~54:SPOT MY CAR/FIND MY CAR MOBILE NETWORK PUBLIC ALERT SYSTEM ~71:MOGOMOTSI BOITSE, A409 PLATINUM PLACE, 32 VAN BEEK STREET, South Africa ~72: MOGOMOTSI BOITSE~

2021/08669 ~ Complete ~54:CRYSTAL POLYMORPHISM OF PI3K INHIBITOR AND METHOD FOR PREPARING SAME ~71:BORYUNG PHARMACEUTICAL CO., LTD, 136, Changgyeonggung-ro Jongno-Gu, Seoul, 03127, Republic of Korea ~72: JI HAN KIM;JOON KWANG LEE;SEONG HEON KIM;YONG HO SUN~ 33:KR ~31:10-2019-0054506 ~32:09/05/2019

2021/08675 ~ Complete ~54:REACTIVE ELECTROCHEMICAL MEMBRANE FOR WASTEWATER TREATMENT ~71:CALIFORNIA INSTITUTE OF TECHNOLOGY, 1200 E. California Blvd., M/C 6-32, Pasadena, California, 91125, United States of America;CLARKSON UNIVERSITY, 8 Clarkson Avenue, Potsdam, New York, 13699, United States of America ~72: MICHAEL R HOFFMANN;YANG YANG~ 33:US ~31:62/866,448 ~32:25/06/2019;33:US ~31:62/866,459 ~32:25/06/2019

2021/08690 ~ Complete ~54:A CLASS OF FUNCTIONAL IONIC LIQUIDS WITH BOTH SURFACE ACTIVITY AND DOUBLE BASICITIES AND THEIR PREPARATIONS ~71:ZAOZHUANG UNIVERSITY, No. 1 Beian Road, Shizhong District, Shandong Province, People's Republic of China ~72: CUI, Yinghang;LIU, Changde;YIN, Xinzhe;ZHANG, Wenzhi;ZHAO, Yuliang;ZHOU, Fengyan~ 33:CN ~31:201910244446.1 ~32:28/03/2019

2021/08657 ~ Complete ~54:EFFECTIVE AND PRACTICAL MATCHING METHOD FOR CLOUD MANUFACTURING TASKS AND SERVICE RESOURCES ~71:Shandong University of Science and Technology, Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao District, Qingdao, Shandong, 266590, People's Republic of China ~72: JIA, Shun;LI, Meiyan;LIU, Jiakun;ZHANG, Sujie;ZHENG, Yujie~

2021/08664 ~ Complete ~54:THREE-DEGREE-OF-FREEDOM CLEANING WORKING DEVICE FOR UNDERWATER WALL SURFACE CLEANING ROBOT ~71:ShanDong JiaoTong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250357, People's Republic of China ~72: WANG, Yongjuan~

2021/08668 ~ Complete ~54:CRASH ATTENUATOR WITH RELEASE PLATE HINGE ASSEMBLY, RELEASE PLATE HINGE ASSEMBLY AND METHOD FOR THE USE THEREOF ~71:TRINITY HIGHWAY PRODUCTS LLC, 2525 N. Stemmons Freeway, Dallas, Texas, 75207, United States of America ~72: MICHAEL J BUEHLER~ 33:US ~31:62/848,262 ~32:15/05/2019

2021/08692 ~ Complete ~54:DISPENSING APPARATUS ~71:THE OXYGEN CONFECTIONERY CORP., 3 Gernay Dr., Suite 4-4379, United States of America ~72: LI, Yang~ 33:US ~31:62/830,220 ~32:05/04/2019

2021/08666 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING BIOFILM-RELATED LUNG CONDITIONS ~71:LOCUS IP COMPANY, LLC, 30600 Aurora Road, Suite 180, United States of America ~72: ALIBEK, Ken;FARMER, Sean~ 33:US ~31:62/846,084 ~32:10/05/2019

2021/08679 ~ Complete ~54:METHOD FOR ENCODING/DECODING IMAGE SIGNAL AND DEVICE THEREFOR ~71:XRIS CORPORATION, 508-3ho, Bdong, 230, Pangyoyeok-ro Bundang-gu, Seongnam-si, Republic of Korea ~72: LEE, Bae Keun~ 33:KR ~31:10-2019-0067888 ~32:10/06/2019;33:KR ~31:10-2019-0073784 ~32:20/06/2019;33:KR ~31:10-2019-0073786 ~32:20/06/2019

2021/08682 ~ Complete ~54:COFFEE COMPOSITION AND PROCESS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: DAVIDEK, Tomas;ELSBY, Kevan Arthur;MILO, Christian;MURPHY, Sean Mackay;POISSON, Luigi;SPRENG, Stefan~ 33:EP ~31:19169747.3 ~32:17/04/2019;33:RU ~31:2019121839 ~32:11/07/2019

2021/08684 ~ Complete ~54:A SYSTEM FOR ELIMINATING BAD-SMELLING EMISSIONS FROM INDUSTRIAL PROCESSES ~71:Valli Zabban S.p.A., Via di Le Prata, 103, CALENZANO I-50041, ITALY, Italy ~72: OLMI, Eugenio~ 33:IT ~31:102019000006601 ~32:07/05/2019

2021/08660 ~ Complete ~54:HIGH STRENGTH, HIGH TOUGHNESS RARE EARTH MAGNESIUM ALLOY ~71:Shenyang University of Technology, 111 Shenliao West Road, Economic and Technological Development

Zone, Shenyang City, Liaoning Province, 110870, People's Republic of China ~72: CHE, Xin;CHEN, Lijia;HE, Zhenghua;WANG, Xin;ZHANG, Haoyu;ZHANG, Siqian;ZHANG, Zhipeng;ZHOU, Ge~

2021/08685 ~ Complete ~54:OLIGOSACCHARIDE COMPOSITIONS AND METHODS OF USE ~71:Kaleido Biosciences, Inc., 65 Hayden Avenue, LEXINGTON 02421, MA, USA, United States of America ~72: HECHT, Max;LAWRENCE, Jonathan;LIU, Christopher Matthew;ROSINI, Madeline;YATSUNENKO, Tatyana~ 33:US ~31:62/845,305 ~32:08/05/2019;33:US ~31:62/910,179 ~32:03/10/2019

2021/08686 ~ Complete ~54:CONVEYANCE CATCH APPARATUS ~71:FLSmidt A/S, Vigerslev Alle 77, VALBY 2500, DENMARK, Denmark ~72: THIESEN, Marcus~ 33:US ~31:62/844,626 ~32:07/05/2019

2021/08655 ~ Complete ~54:A FUZZY KEYWORDS ENABLED RANKED SEARCHABLE SCHEME IN CLOUD ENVIRONMENTS ~71:Zhejiang Gongshang University, No.18 Xuezheng Str Zhejiang Gongshang University, Xiasha University Town Hangzhou, Zhejiang Province, 310018, People's Republic of China ~72: Hong Haibo;Shu Gangqi~

2021/08665 ~ Complete ~54:MODIFIED ADENO-ASSOCIATED VIRUS (AAV) PARTICLES FOR GENE THERAPY ~71:EUROPEAN MOLECULAR BIOLOGY LABORATORY, Meyerhofstrasse 1, Germany ~72: DE CASTRO REIS, Fernanda;HEPPENSTALL, Paul;MAFFEI, Mariano;POUW, Kanyn Morris~ 33:EP ~31:19173365.8 ~32:08/05/2019

2021/08681 ~ Complete ~54:BI-DIRECTIONAL SHUTTLE ~71:STORAGE MANAGEMENT SYSTEMS (PTY) LTD, 105 Sovereign Drive, Route 21, Corporate Park, Irene, 0157, Pretoria, South Africa ~72: PRETORIUS, Theunis Jacobus~ 33:ZA ~31:2019/03593 ~32:05/06/2019

2021/08658 ~ Complete ~54:EFFICIENT MANGANESE REMOVAL METHOD ~71:Qingdao University of Technology, No. 11 Fushun Road, Shibei District, Qingdao, Shandong, 266033, People's Republic of China ~72: BAI, Jichi;CHEN, Guowei;KONG, Qiaoping;LAN, Yunlong;SHEN, Baohua;TAO, Guiqing;WANG, Dongxue;XIAO, Liping~

2021/08667 ~ Complete ~54:CARTRIDGE, ATTACHMENT, AND MOUNTING KIT ~71:CANON KABUSHIKI KAISHA, 30-2, Shimomaruko 3-chome, Ohta-ku, Japan ~72: KAMOSHIDA, Shigemi;KOISHI, Isao;KOMATSU, Noriyuki;KUBO, Yukio;OZAKI, Goshi;UESUGI, Tetsuo~ 33:JP ~31:2019-109672 ~32:12/06/2019;33:JP ~31:2019-180284 ~32:30/09/2019

2021/08661 ~ Complete ~54:METHOD FOR REMOVING ACRYLAMIDE BY ADSORPTION OF LACTIC ACID BACTERIA ~71:Northeast Agricultural University, Mucai Street, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Jiang Yujun;Lyu Mengling;Shao Meili;Tang Zhenyue;Zhang Yusong~

2021/08673 ~ Complete ~54:ROTATABLE MAGNETIC KEY COMBINATION ELEMENT ~71:MUL-T-LOCK TECHNOLOGIES LTD., PO Box 637, 8110400, Yavne, Israel ~72: ASAF BORTMAN;EFFI BEN-AHARON~ 33:IL ~31:266258 ~32:28/04/2019

2021/08648 ~ Provisional ~54:DRIVING WHEEL ~71:VAN ZYL, Nicolaas Johannes, (Farm) Arran, Bethlehem, South Africa ~72: VAN ZYL, Nicolaas Johannes~

2021/08654 ~ Complete ~54:CORING SAMPLING BIOPSY NEEDLE ~71:Chongqing Jiaotong University, No.66 Xuefu Road, Nan'an District, Chongqing City, People's Republic of China;Second Affiliated Hospital of Chongqing Medical University, No.76 Linjiang Road, Yuzhong District, Chongqing City, People's Republic of China ~72: Li Jun;Li Shengjin~

2021/08662 ~ Complete ~54:MAGNETORHEOLOGICAL DAMPER WITH TWO RING DAMPING GAPS
~71:Xi'an Jiaotong University, No. 28, Xianning West Road, Beilin District, Xi'an City, Shaanxi Province, 710049, People's Republic of China ~72: DONG, Longlei;GUAN, Wei;OUYANG, Qinshan;YAN, Jian;ZHOU, Jiaming~

2021/08674 ~ Complete ~54:MEDICAL PACKAGING IN THE FORM OF AN INFUSION BAG AND METHOD FOR TRANSFERRING LIQUID FROM A VIAL TO AN INFUSION BAG ~71:FRESENIUS KABI DEUTSCHLAND GMBH, Else-Kröner-Strasse 1, 61352, Bad Homburg, Germany ~72: ALEXANDER DEGEN;BEATRIX HEUEL-Hömmen;CHRISTIAN NITSCHKE;ISMAEL RAHIMY;JANINE BERG;JUNDA LIU;TORSTEN BRANDENBURGER~ 33:EP ~31:19178711.8 ~32:06/06/2019

2021/08689 ~ Complete ~54:NUCLEIC ACID SEQUENCE FOR DETECTING SOYBEAN PLANT DBN8002 AND DETECTION METHOD THEREFOR ~71:BEIJING DABEINONG BIOTECHNOLOGY CO., LTD., No. 49 Building, Institute for Application of Atomic Energy, Chinese Academy of Agricultural Sciences, People's Republic of China ~72: BAO, Xiaoming;CUI, Guangdong;HAN, Chao;KANG, Yuejing;WANG, Dengyuan;XIE, Xiangting;YANG, Shujing;YU, Caihong~

2021/08651 ~ Complete ~54:INTELLIGENT TRANSACTION RECOMMENDATION SYSTEM BASED ON BIG DATA ~71:Anhui University of Science & Technology, No.168 Taifeng Road, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China ~72: Fang Xianwen;Lu Ke;Wang Lili~

2021/08663 ~ Complete ~54:PROPELLER WITH THREE HOOKE HINGES AND TWO SPHERICAL HINGES ~71:ShanDong JiaoTong University, 5001 Haitang Road, University Science Park, Changqing, Jinan City, Shandong Province, 250357, People's Republic of China ~72: GUAN, Zhiguang;LIN, Mingxing;SUN, Qin;WANG, Baoping;ZHANG, Dong;ZHANG, Lin;ZHAO, Lingyan~

2021/08672 ~ Complete ~54:MOBILE ELECTRONIC LOCK ~71:ABUS AUGUST BREMICKER S&HNE KG, Altenhofer Weg 25 Wetter-Volmarstein, 58300, Germany ~72: MANUEL BANSE~ 33:DE ~31:10 2019 113 184.7 ~32:17/05/2019

2021/08678 ~ Complete ~54:VACUUM MICROWAVE DRYING OF HIGH SUGAR CONTENT LIQUIDS ~71:ENWAVE CORPORATION, 1668 Derwent Way, Unit 5, Delta, Canada ~72: AHMED, Shafique;KNIGHTS, Braden;ZHANG, Guopeng~ 33:WO ~31:PCT/CA2019/050850 ~32:14/06/2019

2021/08653 ~ Complete ~54:METALLURGICAL SLAG GRANULATION-CATALYST PREPARATION AND MODIFICATION INTEGRATED DEVICE SYSTEM AND METHOD ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 11 Fushun Road, Shibei District, Qingdao, Shandong, 266033, People's Republic of China ~72: DONG, Xinjiang;LUO, Siyi;QI, Chuanjia;REN, Dongdong;WANG, Jinmeng;XIE, Haojie;YANG, Qianhui;YU, Qingbo;ZHANG, Jingkui;ZUO, Zongliang~ 33:CN ~31:202110371732.1 ~32:07/04/2021

2021/08688 ~ Complete ~54:ADC FOR A TREATMENT CONCOMITANT WITH OR SUBSEQUENT TO DOCETAXEL ~71:PIERRE FABRE MEDICAMENT, 45, place Abel Gance, France ~72: GOETSCH, Liliane;JOUHANNEAUD, Alexandra~ 33:EP ~31:19305578.7 ~32:06/05/2019

- APPLIED ON 2021/11/08 -

2021/08696 ~ Provisional ~54:CHESTOUT.CO.ZA ~71:Ofentse Sonford, Z1A 372 Tafelkop, GA kopa, South Africa ~72: Ofentse Sonford~

2021/08707 ~ Complete ~54:METHOD FOR CONSTRUCTING COMPREHENSIVE MULTIDIMENSIONAL ENERGY INDEX CMEI ~71:Guochang FANG, No. 128, Tielu North Street, Gulou District, Nanjing, Jiangsu, 210003, People's Republic of China ~72: Guochang FANG;Lixin TIAN;Zili YANG~

2021/08718 ~ Complete ~54:PNEUMATIC PRECISION SEEDER ~71:Qingdao Agricultural University, Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: LIU, Xinghua;WANG, Fangyan~

2021/08742 ~ Complete ~54:METHOD FOR RAPID FERMENTATION AND INDUSTRIALIZED PRODUCTION OF BACTERIAL CELLULOSE ~71:SHAN DONG NAMEIDE BIOTECHNOLOGY CO., LTD., Chengda Group Industrial Park, The South Site of No.33588, Jingshi East Road, Licheng District, Shandong, People's Republic of China ~72: CHAI, Qian;FANG, Lili;LIANG, He;LING, Zexing;LIU, Jingjun;SHANG, Bo;TANG, Zhigang;ZHANG, Xuehong~ 33:CN ~31:202011599494.1 ~32:29/12/2020

2021/08758 ~ Complete ~54:PLANT-GROWING TRAY AND METHOD ~71:INTERNATIONAL PLANT PROPAGATION TECHNOLOGY LIMITED, 48A High Street, Gargrave, United Kingdom ~72: COOLEY, John~ 33:GB ~31:2002603.5 ~32:25/02/2020;33:GB ~31:2007835.8 ~32:26/05/2020

2021/08721 ~ Complete ~54:MULTIPLEX PCR METHOD FOR SIMULTANEOUSLY DETECTING CDV, CPV, CCOV-I AND CCOV-II ~71:Institute of Animal Science, Chinese Academy of Agricultural Sciences, No.2 Yuanmingyuan West Road, Haidian District, Beijing, People's Republic of China ~72: Chen Xin;Li Shaohan;Qin Tong;Zhang Guangzhi~

2021/08762 ~ Complete ~54:SURFACE-TREATED MAGNESIUM OR CALCIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS ~71:OMYA INTERNATIONAL AG, Baslerstrasse 42, 4665, Oftringen, Switzerland ~72: SAMUEL RENTSCH;TANJA BUDDE;TOBIAS KELLER~ 33:EP ~31:19172523.3 ~32:03/05/2019;33:EP ~31:20164389.7 ~32:20/03/2020

2021/08766 ~ Complete ~54:A WATER FILTER UNIT ~71:BLUEWATER SWEDEN AB, Danderydsgatan 11, 114 26, Stockholm, Sweden ~72: PETER HAGQVIST~ 33:SE ~31:1950446-3 ~32:10/04/2019

2021/08784 ~ Complete ~54:COMPUTER-IMPLEMENTED SYSTEM AND METHOD ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: COUGHLAN, Steven Patrick;MEE, Andrew James~ 33:GB ~31:1907180.2 ~32:21/05/2019;33:GB ~31:2002285.1 ~32:19/02/2020

2021/08787 ~ Complete ~54:METHOD OF MANUFACTURING MOLTEN IRON CONTAINING CHROMIUM ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: ASAHARA, Norifumi;FUTAKA, Mikio;KANEKO, Naoki;KATO, Katsuhiko;NAKAGAWA, Junichi;TANAKA, Yasuhiro~ 33:JP ~31:2019-081179 ~32:22/04/2019

2021/08703 ~ Complete ~54:WATER-PERMEABLE BOX FOR MEASURING DENSITY OF CABLE FILLING CORD ~71:BAO TOU CITY SUN MANDULA CABLE CO., LTD., No. 8, South Road, Equipment Manufacturing Industrial Park, Qingshan District, Baotou City, Inner Mongolia, 014000, People's Republic of China ~72: YU, Jianfang~

2021/08726 ~ Complete ~54:ELECTROMAGNETIC INDUCTION STEAM CAR WASHING APPARATUS ~71:Qingdao University of Technology, 777, Jialingjiang Road, Huangdao District, Qingdao, Shandong, 266525, People's Republic of China ~72: LI, Hongsheng;LI, Liangguo;LIU, Zunnian;LU, Yihong;REN, Aige;SHEN, Meili;SONG, Yipei;WANG, Shumei;WANG, Yuchen~

2021/08734 ~ Complete ~54:BIOCHAR SOIL CONDITIONER FOR HEAVY METAL POLLUTION AND PREPARATION METHOD THEREOF ~71:Jiangxi Agricultural University, No.1101 Zhimin Road, Nanchang City, Jiangxi Province, People's Republic of China ~72: Huang Chunlun;Shang Qingyin;Wang Qiuju;Wen Yangping;Yang Xiuxia~

2021/08740 ~ Complete ~54:HIGH-REHYDRATION AND HIGH-SWELLING-PROPERTY BACTERIAL CELLULOSE HALF-DRY FILM AS WELL AS PREPARATION METHOD THEREFORE AND APPLICATION THEREOF ~71:SHAN DONG NAMEIDE BIOTECHNOLOGY CO., LTD., Chengda Group Industrial Park, The South Site of No.33588, Jingshi East Road, Licheng District, Shandong, People's Republic of China ~72: LI, Yuping;LIANG, He;LIU, Jingjun;SU, Hongxia;ZHANG, Xuehong~ 33:CN ~31:202111226886.8 ~32:21/10/2021

2021/08777 ~ Complete ~54:STEAM CRACKING CONTROL FOR IMPROVING THE PCI OF BLACK GRANULES ~71:Europeenne de Biomasse, 12 rue de la Chaussée d'Antin, PARIS 75009, FRANCE, France ~72: DESPRES, Jean-Luc;HABAS, Thomas;MARTEL, Frédéric;QUINTERO-MARQUEZ, Adriana~ 33:FR ~31:1904682 ~32:03/05/2019

2021/08781 ~ Complete ~54:AFFINE LINEAR WEIGHTED INTRA PREDICTION IN VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: KARCZEWICZ, Marta;PHAM VAN, Luong;RAMASUBRAMONIAN, Adarsh Krishnan;VAN DER AUWERA, Geert~ 33:US ~31:62/845,790 ~32:09/05/2019;33:US ~31:62/864,320 ~32:20/06/2019;33:US ~31:16/867,208 ~32:05/05/2020

2021/08704 ~ Complete ~54:DEVICE FOR DETERMINING LIMIT SIZE POSITION OF OUTER DIAMETER OF CABLE ~71:BAO TOU CITY SUN MANDULA CABLE CO., LTD., No. 8, South Road, Equipment Manufacturing Industrial Park,, Qingshan District, Baotou City, Inner Mongolia, 014000, People's Republic of China ~72: YU, Jianfang~

2021/08716 ~ Complete ~54:PREDICTION METHOD OF CHANNEL SILTATION CAUSED BY HYDRODYNAMIC CHANGE OF DREDGED TRENCH ~71:ChangJiang Waterway Institute of Planning and Design, 620 Linkonggang Dadao, Dongxihu District, Wuhan city, Hubei Province, People's Republic of China;Shanghai Estuarine and Coastal Science Research Center, No. 1045, Xingsheng Road, Pudong New District, Shanghai, People's Republic of China;Tianjin Research Institute for Water Transport Engineering, Ministry of Transport, 37 Xingang 2nd Road, Tanggu District, Tianjin, People's Republic of China ~72: Li Wangsheng;Li Youwei;Liu Wanli;Shen Qi;Wang Jianjun;Yang Yunping~

2021/08749 ~ Complete ~54:NOVEL CANCER ANTIGENS AND METHODS ~71:ENARA BIO LIMITED, Magdalen Centre The Oxford Science, Park 1 Robert Robinson Avenue, United Kingdom;THE FRANCIS CRICK INSTITUTE LIMITED, 1 Midland Road, United Kingdom ~72: ATTIG, Jan;KASSIOTIS, George;MARINO, Fabio;YOUNG, George~ 33:EP ~31:19183396.1 ~32:28/06/2019

2021/08750 ~ Complete ~54:NOVEL CANCER ANTIGENS AND METHODS ~71:ENARA BIO LIMITED, Magdalen Centre The Oxford Science, Park 1 Robert Robinson Avenue, United Kingdom;THE FRANCIS CRICK INSTITUTE LIMITED, 1 Midland Road, United Kingdom ~72: ATTIG, Jan;KASSIOTIS, George;MARINO, Fabio;YOUNG, George~ 33:EP ~31:19183318.5 ~32:28/06/2019;33:EP ~31:20170163.8 ~32:17/04/2020

2021/08774 ~ Complete ~54:HETEROARYLAMINOPYRIMIDINE AMIDE AUTOPHAGY INHIBITORS AND METHODS OF USE THEREOF ~71:Deciphera Pharmaceuticals, LLC, 200 Smith Street, WALTHAM 02451, MA, USA, United States of America ~72: AHN, Yu Mi;CALDWELL, Timothy;FLYNN, Daniel L.;VOGETI, Lakshminarayana~ 33:US ~31:62/846,260 ~32:10/05/2019;33:US ~31:62/846,264 ~32:10/05/2019;33:US ~31:62/911,733 ~32:07/10/2019;33:US ~31:62/911,736 ~32:07/10/2019

2021/08702 ~ Complete ~54:INTERACTIVE COGNITION RECOGNITION ATHLETIC TRAINING METHOD ~71:LI, Xiangjun, Henan Institute of Science and Technology, East Section of Hualan Avenue, Hongqi District, Xinxiang City, Henan Province , 453000, People's Republic of China ~72: LI, Xiangjun~

2021/08731 ~ Complete ~54:LIQUID MATERIAL PLASMA SPRAY DEVICE ~71:Chinese Academy of Agricultural Mechanization Sciences, NO.1 Beishatan, Deshengmen Wai, Beijing, People's Republic of China;Qingdao Yongzhao New Material Science & Technology CO.LTD, 204, Building D, No.36 Jinshui Road, Laoshan District, Qingdao City, Shandong Province, People's Republic of China ~72: Bao Manyu;Du Dexin;Li Zhendong;Lyu Mingli;Wang Ruijun;Wang Yiqi;Zhan Hua~

2021/08710 ~ Complete ~54:INTERNAL COOLING/EXTERNAL COOLING-SWITCHING MILLING MINIMUM-QUANTITY-LUBRICATION INTELLIGENT NOZZLE SYSTEM AND METHOD ~71:Qingdao University of Technology, No.777, Jialingjiang East Road, Huangdao District,, Qingdao City, Shandong Province, 266525, People's Republic of China;Shaanxi Jinzhao Aviation Technology Co., Ltd, 36 Hangkong 3rd Road, Xi'an Aviation Base, Shaanxi Province , 710000, People's Republic of China;Shanghai Jinzhao Energy Saving Technology Co., Ltd, Room 414, Building 2, No. 1006, Jinshajiang Road, Putuo District, Shanghai , 200333, People's Republic of China ~72: CAO, Huajun;CUI, Xin;GAO, Teng;HAN, Yixue;JIA, Dongzhou;LI, Changhe;LIU, Mingzheng;LU, Bingheng;MA, Hao;WU, Qidong;WU, Xifeng;YANG, Min;YANG, Yuying;ZHANG, Naiqing;ZHANG, Xiaowei;ZHANG, Yanbin;ZHAO, Xufeng~ 33:CN ~31:202011240160.5 ~32:09/11/2020

2021/08757 ~ Complete ~54:ORGANIC-INORGANIC HYBRID FEMNZN SINGLE CRYSTAL FERRITE WITH HIGH INITIAL PERMEABILITY AND PREPARATION METHOD THEREOF ~71:CHINA JILIANG UNIVERSITY, 258 Xueyuan Street, Jianggan District, Hangzhou, Zhejiang, 310018, People's Republic of China;ZHEJIANG CHUNHUI MAGNETOELECTRICITY TECHNOLOGY CO., LTD, 268 Chunhui Gongye Avenue, Shangyu District, Shaoxing, Zhejiang, 312300, People's Republic of China ~72: JIN, Yihan;LI, Weixia;LOU, Chaoyan;WU, Bin;YAN, Jie;ZHANG, Pengyue;ZHAO, Liming;ZHAO, Wuqi~ 33:CN ~31:202110648958.1 ~32:10/06/2021

2021/08773 ~ Complete ~54:CLAUDIN-6 BINDING MOLECULES AND USES THEREOF ~71:Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, TOKYO 1158543, JAPAN, Japan ~72: ISHII, Shinya;KAMIKAWA, Takayuki;KIMURA, Naoki;KODAMA, Tatsushi;MURAOKA, Masaru~ 33:JP ~31:2019-128727 ~32:10/07/2019

2021/08760 ~ Complete ~54:METHODS AND SYSTEMS FOR PROVIDING PERSONALISED MEDICINE TO A PATIENT ~71:CLOSED LOOP MEDICINE LTD, Babraham Research Campus, United Kingdom ~72: COX, David;GOLDSMITH, Paul;O'REGAN, David;RICHARDS, Andrew John McGlashan;SARTAIN, Felicity Kate;YADI, Hakim Adam~ 33:US ~31:62/841,967 ~32:02/05/2019

2021/08708 ~ Complete ~54:AERONAUTICAL ALUMINUM ALLOY MINIMUM-QUANTITY-LUBRICATION MILLING MACHINING DEVICE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Huangdao District, Qingdao City, Shandong Province , 266525, People's Republic of China;Shaanxi Jinzhao Aviation Technology Co., Ltd, 36 Hangkong 3rd Road, Xi'an Aviation Base, Shaanxi Province, 710000, People's Republic of China ~72: CUI, Xin;GAO, Teng;HAN, Yixue;JIA, Dongzhou;LI, Changhe;LIU, Mingzheng;LU, Bingheng;MA, Hao;WANG, Xiaoming;WU, Qidong;WU, Xifeng;YANG, Min;YANG, Yuying;ZHANG, Naiqing;ZHANG, Xiaowei;ZHANG, Yanbin;ZHAO, Xufeng~ 33:CN ~31:202011529027.1 ~32:22/12/2020

2021/08722 ~ Complete ~54:CONTROL MECHANISM FOR SWINGING ANGLE OF HEADER IN COMBINED RICE HARVESTING EQUIPMENT ~71:JINHUA POLYTECHNIC, 1188 Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: DAI, Sujiang;JIN, Rendiao;LI, Hongyang;TANG, Zhong;WANG, Jinshuang;WANG, Zhiming;XIONG, Yongsan;XU, Zhongwei~

2021/08737 ~ Complete ~54:JUDGMENT METHOD AND SYSTEM FOR SIMILAR EVENTS ~71:SHANDONG EVAYINFO TECHNOLOGY CO., LTD, 4th Floor, Block B, Yinhe Building, Xinluo Street, High-tech Zone, Shandong, People's Republic of China ~72: CHEN, Tong;LI, Zhao;WANG, Ruishuang;WU, Shiwei;XIN, Guomao;ZHANG, Chao~ 33:CN ~31:202111137753.3 ~32:27/09/2021

2021/08744 ~ Complete ~54:DUAL INTERFACE METAL SMART CARD WITH BOOSTER ANTENNA ~71:COMPOSECURE, LLC, 500 Memorial Drive Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE;BRIAN NESTER;JOHN HERSLOW;LUIS DASILVA~ 33:US ~31:15/976,612 ~32:10/05/2018

2021/08772 ~ Complete ~54:GENETIC VARIANTS ASSOCIATED WITH RESPONSE TO TREATMENT OF NEUROLOGICAL DISORDERS ~71:VistaGen Therapeutics, Inc., 343 Allerton Avenue, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: SNODGRASS, H. Ralph~ 33:US ~31:62/831,417 ~32:09/04/2019;33:US ~31:62/878,433 ~32:25/07/2019

2021/08733 ~ Complete ~54:BALL-PIN TRANSVERSE STABILIZER BAR SUSPENDER, ASSEMBLING METHOD, AND TRANSVERSE STABILIZER BAR ASSEMBLY ~71:Shandong Detai Machinery Group CO., Ltd, East Side of South Section of Development Avenue, Xintai Development Zone, Wennan Town, Xintai City, Tai'an City, Shandong Province, 271200, People's Republic of China ~72: JIANG, Weijian;ZHANG, Guangjin;ZHANG, Guanglei~

2021/08783 ~ Complete ~54:PREDICTION SIGNAL FILTERING IN AFFINE LINEAR WEIGHTED INTRA PREDICTION ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: KARCZEWICZ, Marta;PHAM VAN, Luong;RAMASUBRAMONIAN, Adarsh Krishnan;VAN DER AUWERA, Geert~ 33:US ~31:62/845,839 ~32:09/05/2019;33:US ~31:16/868,982 ~32:07/05/2020

2021/08700 ~ Complete ~54:TIO2-X-BASED PHOTOCATALYST WITH FRUSTRATED LEWIS PAIRS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology, No.53 Zhengzhou Rd, Shibei District, Qingdao, Shandong, 266061, People's Republic of China ~72: GAO, Ailin;JIA, Changchao;LIN, Gang;WANG, Zhiyuan;ZHANG, Xia;ZHU, Shaoqi~

2021/08709 ~ Complete ~54:CORDYCEPS JAVANICA STRAIN BD01 AND APPLICATION THEREOF ~71:Fumin County Import and Export Co., Ltd., Liyang Building 17F, Yongding sub-district Office, Fumin County, Kunming City, Yunnan Province, People's Republic of China;Jacobs Douwe Egberts, Oosterdoksstraat 80, 1011 DK Amsterdam, Netherlands;Yunnan Agricultural University, No.452 Fengyuan Road, Panlong District, Kunming City, Yunnan Province, People's Republic of China ~72: Gao Xi;He Mingchuan;Jia Ben;Lan Mingxian;Li Jinliang;Liu Quanjun;Qin Xiaoping;Shi Chunlan;Tang Ping;Wu Guoxing;Yi jing~

2021/08725 ~ Complete ~54:HALF-FEED ROTARY CONCAVE THRESHING DEVICE TEST BED ~71:JINHUA POLYTECHNIC, 1188 Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: CHEN, Ni;DAI, Sujiang;LI, Hongyang;LIU, Zhenghuai;TANG, Han;TIAN, Liquan;WANG, Zhiming;XIONG, Yongsen~

2021/08738 ~ Complete ~54:METHOD, SYSTEM, MEDIUM AND ELECTRONIC EQUIPMENT FOR WEBPAGE MAIN TEXT ANALYSIS ~71:SHANDONG EVAYINFO TECHNOLOGY CO., LTD, 4th Floor, Block B, Yinhe Building, Xinluo Street, High-tech Zone, Shandong, People's Republic of China ~72: CHEN, Tong;LU, Feng;WANG, Ruishuang;WU, Shiwei;XIN, Guomao;YANG, Chun~ 33:CN ~31:202110719543.9 ~32:28/06/2021

2021/08756 ~ Complete ~54:REMOTE SENSING OF PLANT PHOTOSYNTHETIC CAPACITY ~71:MIGAL GALILEE RESEARCH INSTITUTE LTD., POB 831, Kiryat Shmona, Israel ~72: LIRAN, Oded~ 33:US ~31:62/830,733 ~32:08/04/2019

2021/08763 ~ Complete ~54:MAGNESIUM ION-CONTAINING MATERIALS AS WHITE PIGMENTS IN ORAL CARE COMPOSITIONS ~71:OMYA INTERNATIONAL AG, Baslerstrasse 42, 4665, Oftringen, Switzerland ~72: SAMUEL RENTSCH;TANJA BUDDE;TOBIAS KELLER~ 33:EP ~31:19172540.7 ~32:03/05/2019

2021/08767 ~ Complete ~54:DIRECT SYNTHESIS OF ALUMINOSILICATE ZEOLITIC MATERIALS OF THE IWR FRAMEWORK STRUCTURE TYPE AND THEIR USE IN CATALYSIS ~71:BASF SE, Carl-Bosch-Strasse 38, 67056, Ludwigshafen am Rhein, Germany ~72: ANDREI-NICOLAE PARVULESCU;BERND MARLER;DIRK DE VOS;FENG-SHOU XIAO;QINMING WU;TOSHIYUKI YOKOI;ULRICH MUELLER;UTE KOLB;WEIPING ZHANG;XIANGJU MENG;XIN HONG~ 33:CN ~31:PCT/CN2019/090361 ~32:06/06/2019

2021/08776 ~ Complete ~54:ANTI-TDP-43 BINDING MOLECULES AND USES THEREOF ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: AFROZ, Tariq;SEREDENINA, Tamara;ZIEHM, Tamar Magdalena~ 33:EP ~31:19176314.3 ~32:23/05/2019;33:EP ~31:19195916.2 ~32:06/09/2019;33:EP ~31:19207839.2 ~32:07/11/2019;33:EP ~31:20161060.7 ~32:04/03/2020

2021/08711 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF COATING AGENT FOR PREVENTING AND CONTROLLING POTATO BLACKLEG DISEASE ~71:Qinghai Academy of Agriculture and Forestry Sciences, No.253 Ningda Road, Chengbei District, Xi'ning City, Qinghai Province, People's Republic of China ~72: Ma Yongqiang~

2021/08714 ~ Complete ~54:RED CARBON NITRIDE PHOTOCATALYST WITH BROAD-SPECTRAL RESPONSE AND PRODUCT THEREOF ~71:Qingdao University of Science and Technology, No.53 Zhengzhou Rd, Shibei District, Qingdao, Shandong , 266061, People's Republic of China ~72: GAO, Ailin;HUA, Yutao;JIA, Changchao;LIU, Wengang;WAN, Bingjie;WANG, Zhiyuan~

2021/08724 ~ Complete ~54:BEDSTAND FOR WHOLE-FEED RICE-WHEAT COMBINE HARVESTER ~71:JINHUA POLYTECHNIC, 1188 Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: CHEN, Ni;GUO, Tiezheng;WANG, Zhiming;XIONG, Yongsen;ZHOU, Xuan~

2021/08729 ~ Complete ~54:ON-SITE RAPID AND HIGHLY SENSITIVE DIFFERENTIAL DIAGNOSIS KIT FOR PORCINE DIARRHEA VIRAL PATHOGENS AND APPLICATION METHOD THEREOF ~71:Qingdao Agricultural University, No. 700, Changcheng Road, Chengyang District, Qingdao, Shandong Province, People's Republic of China ~72: Yu Ying;Zhang Qiaoya~

2021/08739 ~ Complete ~54:METHOD AND SYSTEM FOR INTELLIGENT EXTRACTION OF KEY CONTENT OF TEXT BASED ON TOPIC WORD OPTIMIZATION ~71:SHANDONG EVAYINFO TECHNOLOGY CO., LTD, 4th Floor, Block B, Yinhe Building, Xinluo Street, High-tech Zone, Shandong, People's Republic of China ~72: CHEN, Tong;GONG, Chuanhua;HU, Chuanhui;LI, Huijuan;LI, Zhao;LU, Feng;SUN, Hao;WANG, Ruishuang;WU, Shiwei;XIN, Guomao~ 33:CN ~31:202110316125.5 ~32:24/03/2021

2021/08761 ~ Complete ~54:SYSTEM FOR STERILISING STERILISATION UNITS AND METHOD FOR OPERATING SUCH A SYSTEM ~71:BBF STERILISATIONSSERVICE GMBH, Willy-Röntgen-Str. 10/1, Germany;FRAMATOME GMBH, Paul-Gossen-Strasse 100, Germany ~72: BIEBER, Oswald;JANDL, Johannes;SIEGELIN, Steffen~

2021/08771 ~ Complete ~54:FLAVONOID POLYPHENOL DRUG SELF-EMULSIFYING COMPOSITION, PREPARATION METHOD THEREFOR, PHARMACEUTICAL COMPOSITION THEREOF AND APPLICATION THEREOF ~71:Beijing Wehand-Bio Pharmaceutical Co., Ltd, No. 30 Tianfu Street, Daxing Biomedical Industrial Base, Zhongguancun Science Park, BEIJING 102600, CHINA (P.R.C.), People's Republic of China;Institute of Materia Medica, Chinese Academy of Medical Science & Peking Union Medical College, No. 1 Xian Nong

Tan Street, Xicheng District, BEIJING 100050, CHINA (P.R.C.), People's Republic of China ~72: DONG, Wujun;FENG, Yu;GAO, Yue;LIAO, Hengfeng;LIU, Lu;LIU, Yuling;LIU, Zhihua;WANG, Bangyuan;XIA, Xuejun;YANG, Yanfang;YE, Jun;ZHANG, Yun;ZHOU, Junzhuo~ 33:CN ~31:201910278955.6 ~32:09/04/2019

2021/08779 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING BREXANOLONE, GANAXOLONE, OR ZURANOLONE, AND USE THEREOF ~71:Brii Biosciences, Inc., WeWork One City Ctr., Unit 05-130, 110 Corcoran St., DURHAM 27701, NC, USA, United States of America ~72: HONG, Zhi;STRICKLEY, Robert G.;XU, Lianhong~ 33:US ~31:62/846,576 ~32:10/05/2019;33:US ~31:63/018,815 ~32:01/05/2020

2021/08712 ~ Complete ~54:COAXIAL HOMODROMOUS DIFFERENTIAL RICE-WHEAT THRESHING AND SEPARATING CHAFFCUTTER ~71:JINHUA POLYTECHNIC, 1188 Wuzhou street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: HONG, Youjun;JIN, Rendiao;TIAN, Liquan;WANG, Jinshuang;WANG, Zhiming;XIONG, Yongsen;XU, Zhongwei;ZHANG, Hengjing;ZHAO, Runmao~

2021/08727 ~ Complete ~54:INORGANIC-ORGANIC HYBRID FLAME-RETARDANT MILDEW-PROOF COATING AND PREPARATION METHOD THEREOF ~71:Chengdu Hongrun Paint Co., Ltd, 66 Danqi South Road, Pengzhou Industrial Development Zone , Sichuan , 611930, People's Republic of China ~72: HUANG, Tao;JIANG, Hebing;JIANG, Yong;TANG, Zhaohong;XIONG, Lin;YANG, Fei;YANG, Ruliang;YANG, Zhongyun;YU, Weiju;ZHOU, Maoying~

2021/08764 ~ Complete ~54:HERBICIDAL COMPOSITION ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori 1-chome Nishi-ku Osaka-shi, Osaka, 5500002, Japan ~72: ATSUSHI ONISHI;TAKETO SUGANUMA~ 33:JP ~31:2019-100978 ~32:30/05/2019

2021/08775 ~ Complete ~54:NEW EGFR INHIBITORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: DOLENTE, Cosimo;GOERGLER, Annick;HEWINGS, David Stephen;JAESCHKE, Georg;KUHN, Bernd;NAGEL, Yvonne Alice;NORCROSS, Roger David;OBST-SANDER, Christa Ulrike;RICCI, Antonio;RUEHER, Daniel;STEINER, Sandra~ 33:EP ~31:19181772.5 ~32:21/06/2019

2021/08780 ~ Complete ~54:LAYERED APERTURED WOUND DRESSING, PROCESS OF MANUFACTURE AND USEFUL ARTICLES THEREOF ~71:Bio Med Sciences, Inc., 7584 Morris Court, Suite 218, ALLENTOWN 18106 , PA, USA, United States of America ~72: DILLON, Mark E.~ 33:US ~31:16/379,452 ~32:09/04/2019

2021/08723 ~ Complete ~54:STEPLESS THRESHING AND SEPARATION ROTARY DRUM DEVICE ~71:JINHUA POLYTECHNIC, 1188 Wuzhou Street, Wucheng District, Jinhua City, Zhejiang Province, 321000, People's Republic of China ~72: DING, Zhao;FANG, Hui;HU, Huadong;LI, Hongyang;WANG, Jinshuang;WANG, Zhiming;XIONG, Yongsen;ZHOU, Yanchun~

2021/08730 ~ Complete ~54:TEST DEVICE FOR EVALUATING THERMAL SHOCK LIFE OF THERMAL BARRIER COATINGS ~71:Chinese Academy of Agricultural Mechanization Sciences, NO.1 Beishatan, Deshengmen Wai, Beijing, People's Republic of China;Qingdao Yongzhao New Material Science & Technology CO.LTD, 204, Building D, No.36 Jinshui Road, Laoshan District, Qingdao City, Shandong Province, People's Republic of China ~72: Bao Manyu;Li Zhendong;Lyu Mingli;Ma Xiaobin;Wang Ruijun;Zhan Hua;Zhu Xiang~

2021/08745 ~ Complete ~54:TETRAHYDRO-PYRIDO[3,4-B]INDOLE ESTROGEN RECEPTOR MODULATORS AND USES THEREOF ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL CH-4070, SWITZERLAND, Switzerland ~72: GOODACRE, Simon Charles;LABADIE, Sharada;LAI, Tommy;LIANG, Jun;LIAO, Jiangpeng;LIU, Zhiguo;ORTWINE, Daniel Fred;RAY, Nicholas Charles;WAI, John;WANG, Tao;WANG,

Xiaojing;ZBIEG, Jason;ZHANG, Birong~ 33:US ~31:62/093,929 ~32:18/12/2014;33:US ~31:62/110,998
~32:02/02/2015;33:US ~31:62/142,077 ~32:02/04/2015

2021/08755 ~ Complete ~54:POUCH HAVING TRANSPARENT WINDOW WITH ANTI-COUNTERFEITING
FEATURE ~71:CHATURVEDI, Ashok, 305, Third Floor, Bhanot Corner, Pampoosh Enclave, GK-1, India ~72:
CHATURVEDI, Ashok~ 33:IN ~31:201911018899 ~32:11/05/2019

2021/08770 ~ Complete ~54:PROCESS AND INTEGRATED PLANT FOR THE TREATMENT OF THE CARBON
OXIDES FORMED IN THE PRODUCTION OF ALUMINUM ~71:BASF SE, Carl-Bosch-Strasse 38, 67056,
Ludwigshafen am Rhein, Germany;THYSSENKRUPP AG, ThyssenKrupp Allee 1, 45143 Essen,
Germany;THYSSENKRUPP INDUSTRIAL SOLUTIONS AG, ThyssenKrupp Allee 1, 45143, Essen, Germany
~72: ANDREAS BODE;FREDERIK SCHEIFF;KARSTEN BUEKER;MARC LEDUC;NICOLAI ANTWEILER~ 33:EP
~31:19178470.1 ~32:05/06/2019

2021/08695 ~ Provisional ~54:COMPOSITION OF READY-TO-EAT EXTRUDED FOODS CONTAINING
SUPERFOODS AND A PROCESS FOR THE PREPARATION THEREOF ~71:Superfood Group Inc., 200
Continental Drive, United States of America ~72: Shenai Bridglall~

2021/08699 ~ Complete ~54:REMOTE-CONTROLLED ELECTRIC UNLATCH DEVICE TO OPEN A TAILGATE
OF PICKUP TRUCK ~71:AEROKLAS COMPANY LIMITED, 111/1, 111/10, Moo 2, Makhamkhoo Sub-district,
Thailand ~72: VITOORAPAKORN, Ekawat;VITOORAPAKORN, Supawadee~ 33:TH ~31:2003003108
~32:16/11/2020

2021/08706 ~ Complete ~54:AIR CONDITIONER ENERGY-SAVING DEVICE FOR BASE STATION ROOM
~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong
Province, 266109, People's Republic of China ~72: GUO, Tieming;LI, Qingqing~

2021/08717 ~ Complete ~54:STABILIZING ROLL AND MANUFACTURE METHOD THEREOF ~71:Jiangsu
Huayang Xinsilu Energy Equipment Co., Ltd., No. 4, Weisan Road, Chengnan Park, Jingjiang Economic
Development Zone, Taizhou City, Jiangsu Province, 214500, People's Republic of China ~72: JIANG, Bin;ZHU,
Deyong;ZHU, Guanghua;ZHU, Xueqin~

2021/08741 ~ Complete ~54:LIQUID DRESSING, COMPOSITION FOR EXTERNAL USE ON SKIN AND
PREPARATION METHOD AND APPLICATION THEREOF ~71:SHAN DONG NAMEIDE BIOTECHNOLOGY
CO., LTD., Chengda Group Industrial Park, The South Site of No.33588, Jingshi East Road, Licheng District,
Shandong, People's Republic of China ~72: CAI, Yuwen;CHENG, Yu;LIU Jingjun;SU, Hongxia;SUN, Xin;WANG,
Xiaochen;ZHANG, Jie~ 33:CN ~31:202011636899.8 ~32:31/12/2020

2021/08751 ~ Complete ~54:PROCESSES FOR PREPARING ALPHA-CARBOXAMIDE PYRROLIDINE
DERIVATIVES ~71: BIOGEN INC., 225 Binney Street, United States of America ~72: ISHIZAKA,
Tomohiro;KAWAI, Takuya;NAKANISHI, Masafumi;USUI, Yoshihiko~ 33:US ~31:62/831,980 ~32:10/04/2019

2021/08753 ~ Complete ~54:HOLLOW-POINT CONDENSING-COMPACTION TOOL ~71:HUWAIS IP HOLDING,
LLC., 4645 EAGLE DRIVE, JACKSON, MI 49201, USA, United States of America ~72: HUWAIS, Salah~ 33:US
~31:62/831,303 ~32:09/04/2019

2021/08768 ~ Complete ~54:NEW SOLID FORMS OF (2S,3S,4S,5R,6S)-3,4,5-TRIHIDROXY-6-(((4AR,10AR)-7-
HYDROXY-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDROBENZO[G]QUINOLIN-6-YL)OXY)TETRAHYDRO-2H-
PYRAN-2-CARBOXYLIC ACID ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500, Valby, Denmark ~72: FRANS DENNIS
THERKELSEN;HEIDI LOPEZ DE DIEGO;KARIN FREDHOLT;KLAUS GJERVIG JENSEN;LISBET
KVÆRNØ;MARTIN JUHL;MIKKEL FOG JACOBSEN;MORTEN JØRGENSEN;TOBIAS GYLLING

FRIHED~ 33:DK ~31:PA201900598 ~32:20/05/2019;33:DK ~31:PA201900599 ~32:20/05/2019;33:DK
~31:PA201900612 ~32:21/05/2019;33:DK ~31:PA201900636 ~32:24/05/2019

2021/08788 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF ATPASE-MEDIATED DISEASES ~71:Duke University, 2812 Erwin Road, Suite 306, DURHAM 27705, NC, USA, United States of America ~72: ASOKAN, Aravind;HUNANYAN, Arsen;KANTOR, Boris;KOEBERL, Dwight;MIKATI, Mohamad;PURANAM, Ram~ 33:US ~31:62/847,416 ~32:14/05/2019

2021/08697 ~ Provisional ~54:AERIAL BELT ROPEWAY ~71:Paula Steyn, Rietfontein 274JT por 1, South Africa ~72: Paula Steyn;Theunis Steyn~ 33:ZA ~31:1 ~32:07/11/2021

2021/08698 ~ Complete ~54:AIRFLOW MANAGEMENT ~71:KEYADO (Pty) Ltd, 12 Wenning Road, Amanda Glen, South Africa ~72: VAN NUGTEREN, Carlette~

2021/08715 ~ Complete ~54:REMANUFACTURING ENGINEERING TECHNOLOGY OF WASTE RADIAL TIRE STEEL WIRE DISLOCATION FOR RETREADING ~71:Heilongjiang Institute of Technology, No.999 Hongqi Street, Daowai District, Harbin, Heilongjiang, People's Republic of China ~72: Jiang Li;Wang Guo Tian;Wang Qiang;Wu Biao;Zhang Peng~

2021/08719 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE PREPARATION FOR TREATING INSOMNIA AND PREPARATION METHOD THEREOF ~71:Zhejiang Chinese Medical University, No.548 Binwen Road, Binjiang District, Hangzhou, Zhejiang Province, People's Republic of China ~72: Ge Lijun;Yang Qing~

2021/08736 ~ Complete ~54:METHOD FOR PREPARING RUBBERY POLYMER BLEND MEMBRANE MODIFIED BY POLYETHERAMINE BLENDING AND APPLICATION THEREOF ~71:Shihezi University, No. 211, Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, 832000, People's Republic of China ~72: HUANG, Lu;LI, Xueqin;LV, Xia;ZHANG, Jinli~ 33:CN ~31:202011389620.0 ~32:02/12/2020

2021/08743 ~ Complete ~54:A METHOD OF GRAFTING PLANTS ~71:Hishtil South Africa (Pty) Ltd, Boschoek Farm, Houtboschdorp Road, MOOKETSI 0825, SOUTH AFRICA, South Africa ~72: ZUKER, Shlomo~ 33:ZA ~31:2020/07523 ~32:03/12/2020

2021/08754 ~ Complete ~54:DEVICE, SYSTEM AND METHOD FOR LUBRICATING A RAILWAY SWITCH ~71:RAILWAY ROBOTICS AS, GRANVEIEN 11, 1430 ÅS, NORWAY, Norway ~72: TORGERSEN, Jørgen~ 33:NO ~31:20190487 ~32:09/04/2019

2021/08701 ~ Complete ~54:AG-AGX NANOWIRE AND PREPARATION METHOD THEREOF ~71:Qingdao University of Science and Technology, No.53 Zhengzhou Rd, Shibei District, Qingdao, Shandong, 266061, People's Republic of China ~72: BAI, Jingwen;GAO, Ailin;JIA, Changchao;LIU, Wengang;WAN, Bingjie;WANG, Shuyi~

2021/08728 ~ Complete ~54:ON-SITE RAPID HIGHLY SENSITIVE DIFFERENTIAL DIAGNOSIS KIT FOR PORCINE CIRCOVIRUS (PCV) 2, PCV3 AND PCV4 AND APPLICATION METHOD THEREOF ~71:Qingdao Agricultural University, No. 700 Changcheng Road, Chengyang District, Qingdao, Shandong Province, People's Republic of China ~72: Cao Zhi;Yu Ying~

2021/08752 ~ Complete ~54:PROCESS FOR PREPARING ALPHA-CARBOXAMIDE PYRROLIDINE DERIVATIVES ~71:BIOTEN MA INC., 225 Binney Street, Cambridge, MA, United States of America ~72: ALBERICO, Dino;CLAYTON, Joshua;NAVULURI, Chandrasekhar;WALKER, Donald, G~ 33:US ~31:62/831,962 ~32:10/04/2019

2021/08786 ~ Complete ~54:SYSTEMS AND METHODS FOR NON-PARALLELISED MINING ON A PROOF-OF-WORK BLOCKCHAIN NETWORK ~71:nChain Holdings Limited, Fitzgerald House, 44 Church Street, ST. JOHN'S, ANTIGUA & BARBUDA, Antigua and Barbuda ~72: DAVIES, Jack Owen;MACKAY, Alexander Tennyson;TARTAN, Chloe Ceren;WRIGHT, Craig Steven;ZHANG, Wei~ 33:GB ~31:1906893.1 ~32:16/05/2019

2021/08720 ~ Complete ~54:ACID-TOLERANT STREPTOMYCES ALBULUS AND USE THEREOF IN EPSILON-POLY-L-LYSINE (EPSILON-PL) FERMENTATION ~71:Qilu University of Technology, No. 3501 Daxue Road, Changqing District, Jinan City, Shandong Province, 250353, People's Republic of China ~72: DONG, Yixian;DU, Chaofan;LIU, Xinli;REN, Xidong;SONG, Jing;WANG, Yiping~ 33:CN ~31:202110079151.0 ~32:21/01/2021

2021/08759 ~ Complete ~54:VARIANT DOMAINS FOR MULTIMERIZING PROTEINS AND SEPARATION THEREOF ~71:MERUS N.V., Yalelaan 62, Netherlands ~72: BONNEAU, Richard;DE KRUIF, Cornelis Adriaan;SILVERMAN, Peter Brian~ 33:EP ~31:19173633.9 ~32:09/05/2019

2021/08769 ~ Complete ~54:HERBICIDAL COMPOSITION ~71:ISHIHARA SANGYO KAISHA, LTD., 3-15, Edobori 1-chome Nishi-Ku Osaka-shi, Osaka, 5500002, Japan ~72: SHOTA FUKUDA;TAKETO SUGANUMA~ 33:JP ~31:2019-100981 ~32:30/05/2019

2021/08916 ~ Provisional ~54:MUSLIMGOTO.ORG ~71:Irfaan Sualaiman, Unit 289 Anfield Village, 243 Forest Drive Ext. Pinelands, South Africa ~72: Irfaan Sualaiman~

2021/08705 ~ Complete ~54:HYDRODYNAMIC WATER BLOCKING DEVICE FOR UNDERGROUND GARAGE AND METHOD ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No.777, Jialingjiang East Road, Economic and Technological Development Zone, Qingdao, Shandong, 266520, People's Republic of China ~72: CAO, Biao;CUI, Xin;GAO, Teng;LI, Changhe;LI, Yuji;LIU, Mingzheng;SUN, Haochen;WANG, Xiaoming;WEI, Long;YANG, Min;YANG, Yuying;ZHANG, Yanbin;ZHAO, Xufeng;ZHU, Fenglei~ 33:CN ~31:202110210753.5 ~32:25/02/2021

2021/08713 ~ Complete ~54:METHOD FOR REGULATING RAPID COLOR CONVERSION OF SUCCULENTS ~71:Guizhou Horticultural Institute (Guizhou Horticultural Engineering Technology Research Center), Guizhou Academy of Agricultural Sciences, No. 1 Jinnong Road, Jinxin Community, Jinzhu Town, Huaxi District, Guiyang City, Guizhou Province, 550006, People's Republic of China ~72: CHEN, Zhilin;DU, Zhihui;SHI, Lejuan;XU, Hongjuan;YANG, Haojie;YANG, Lan;ZHANG, Chaojun~

2021/08732 ~ Complete ~54:DUST FALL SAMPLING DEVICE FOR ARID AND SEMI-ARID AREAS ~71:Institute of Water Resources for Pastoral Area, Ministry of Water Resources, Institute of Water Resources for Pastoral Area, Ministry of Water Resources, No. 128, Daxue East Street, Hohhot, Inner Mongolia, 010020, People's Republic of China ~72: GUO, Jianying;LI, Jinrong;LIU, Tiejun;LIU, Yanping;SHAN, Dan;XING, Ende;XU, Bing;YANG, Zhenqi;ZHANG, Tiegang;ZHENG, Ying~

2021/08765 ~ Complete ~54:PYRIDONE DERIVATIVE CRYSTAL FORM AND PREPARATION METHOD AND APPLICATION THEREFOR ~71:JIANGXI CAISHI PHARMACEUTICAL TECHNOLOGY CO., LTD, Room 201, Building 2, No. 196 Qingfeng Avenue, Zhanggong District, Ganzhou, Jiangxi, 341000, People's Republic of China ~72: LI CHEN;LIBIN GAN;QING SHAO~ 33:CN ~31:201910381020.0 ~32:08/05/2019

2021/08785 ~ Complete ~54:A STABLE INSECTICIDE COMPOSITION ~71:UPL Limited, UPL Limited, UPL House, 610 B/2, Bandra Village, Off Western Express Highway, Bandra (East), MUMBAI 400 051, MAHARASHTRA, INDIA, India ~72: BHOGHE, Satish Ekanath;SARAPH, Sanjay~ 33:IN ~31:201921020716 ~32:24/05/2019

2021/08735 ~ Complete ~54:PUERARIAE RADIX CHAENOMELES SINENSIS TONIFYING POWDER ~71:Hubei Xianzhiling Food Co., Ltd., Group 3, Zhangfan Village, Zhangji Town, Zhongxiang City, Hubei Province, 431935, People's Republic of China ~72: DUAN, Guangzhi;DUAN, Wenjie;WANG, Xueping~

2021/08778 ~ Complete ~54:CLEANING COMPOSITIONS COMPRISING AMYLASE VARIANTS ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: ANDERSON, Carsten;GHADIYARAM, Chakshusmathi;MAHANKALI, Madhupriya;SAINATHAN, Rajendra Kulothungan;VASQUEZ VALDIVIESO, Montserrat Guadalupe~ 33:IN ~31:201911024935 ~32:24/06/2019;33:IN ~31:201911052910 ~32:19/12/2019

2021/08782 ~ Complete ~54:TRANSFER MACHINE AND USE THEREOF IN A POULTRY HOUSE FOR TRANSFERRING INCUBATED EGGS TO A FLOOR THEREOF ~71:Vervaeke-Belavi, Oude Kapellestraat 65, TIELT 8700, BELGIUM, Belgium ~72: VERVAEKE, Steven~ 33:BE ~31:2019/5343 ~32:24/05/2019

- APPLIED ON 2021/11/09 -

2021/08790 ~ Provisional ~54:EDUCATION BASED RECORD KEEPING SYSTEM ~71:JANSE VAN RENSBURG, Bernice, 237 SALIE STREET, CHANTELLE, AKASIA 0182, South Africa;PRETORIUS, Hannari, 237 SALIE STREET, CHANTELLE, AKASIA 0182, South Africa ~72: JANSE VAN RENSBURG, Bernice;PRETORIUS, Hannari~

2021/08813 ~ Complete ~54:SYSTEM AND METHOD FOR AIR GAS DETECTION BASED ON LOW TEMPERATURE HIGH SPEED CARBON ATOMS ~71:SHANDONG DAQI COMMUNICATION ELECTRONICS CO., LTD., No. 117 Daqiao Road, Licheng District, Jinan City, People's Republic of China ~72: HU Yaopeng;LIU Tongbao;MAN Juncui;MEN Xuesong;SHU Zhengyi;SONG Zhiyong;XIA Zengji;XU Chunying;YANG Xueliang~ 33:CN ~31:202111249610.1 ~32:26/10/2021

2021/08816 ~ Complete ~54:METHOD AND SYSTEM FOR UNMANNED AERIAL VEHICLE (UAV) AEROMAGNETIC MEASUREMENT BASED ON TILT PHOTOGRAPHY ~71:SHANDONG INSTITUTE OF GEOPHYSICAL AND GEOCHEMICAL EXPLORATION, No. 56, Lishan Road, Jinan City, People's Republic of China ~72: GUO, Peng;LI, Bin;QI, Kezhong;SUN, Peng;ZHAO, Faqiang;ZHU, Xiaowei~ 33:CN ~31:202111249153.6 ~32:26/10/2021

2021/08822 ~ Complete ~54:SYSTEM AND PROCESS FOR DETERMINING IN-LINE THE CHARACTERISTICS OF SPENT BALLS AND PIECES OF SAME ~71:ESTUDIO, ASESORÍAS CAPACITACIÓN ALTOYA LTDA, La Concepción 65, oficina 401, Chile;LMAGNE INGENIERÍA LTDA, Mardoqueo Fernáandez 128, oficina 902, Chile;SOCIEDAD DE INNOVACIÓN Y TRANSFERENCIA TECNOLÓGICA LTDA, Nueve y Medio Norte 939, Chile ~72: ALTAMIRANO CABRERA, Eduardo Lorenzo;CASTILLO PIZARRO, Patricio Alejandro;DÍAZ CID, Jaime Roberto;PERELLI BACIGALUPO, Ennio Carlo;SEPÚLVEDA VILLALOBOS, Germán Arnaldo;TITICHOCA AGUIRRE, Gilda Verónica~ 33:CL ~31:1231-2019 ~32:03/05/2019

2021/08839 ~ Complete ~54:DOSING OF KRAS INHIBITOR FOR TREATMENT OF CANCERS ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: CEE, Victor J.;HENARY, Haby;LIPFORD, James Russell~ 33:US ~31:62/847,862 ~32:14/05/2019;33:US ~31:62/867,747 ~32:27/06/2019

2021/08843 ~ Complete ~54:NOVEL PSMA SPECIFIC BINDING PROTEINS FOR CANCER DIAGNOSIS AND TREATMENT ~71:NAVIGO PROTEINS GMBH, Heinrich Damerow Str. 1, 06120, Halle/Saale, Germany ~72: ERIK FIEDLER;EVA BOSSE-DOENECKE;FLORIAN SETTELE;MANJA GLOSER-BRÄUNIG;ULRICH HAUPTS~ 33:EP ~31:19168525.4 ~32:10/04/2019

2021/08793 ~ Provisional ~54:POLLUTION CAPTURE ~71:SYMONS, Michael Windsor, 16 Luipaard Road, Monument Park, Pretoria 0181, Gauteng Province, SOUTH AFRICA, South Africa ~72: SYMONS, Michael Windsor~

2021/08814 ~ Complete ~54:DEVICE AND METHOD FOR DYNAMIC DETECTION AND FASTENING OF MOTOR BOLTS ~71:SHANDONG DAQI COMMUNICATION ELECTRONICS CO., LTD., No. 117 Daqiao Road, Licheng District, Jinan City, People's Republic of China ~72: HU, Yaopeng;LIU, Tongbao;MAN, Juncai;MEN, Xuesong;SHU, Zhengyi;SONG, Zhiyong;XIA, Zengji;XU, Chunying;YANG, Xueliang~ 33:CN ~31:202111247600.4 ~32:26/10/2021

2021/08817 ~ Complete ~54:SYSTEM AND METHOD FOR AEROMAGNETIC MEASUREMENT BASED ON UNMANNED HELICOPTER ~71:SHANDONG INSTITUTE OF GEOPHYSICAL AND GEOCHEMICAL EXPLORATION, No. 56, Lishan Road, Jinan City, People's Republic of China ~72: GUO, Peng;LI, Bin;LIU, Jingbing;ZHAO, Faqiang;ZHU, Xiaowei;ZOU, Ande~ 33:CN ~31:202111249155.5 ~32:26/10/2021

2021/08798 ~ Complete ~54:PROTEIN NANOCARRIER AND USE THEREOF, AND CARRIER LOADED WITH TARGETING SUBSTANCE AND PREPARATION METHOD THEREOF ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: CAO, Xiuping;GUO, Yingshu;SHANG, Xinxin~

2021/08815 ~ Complete ~54:METHOD AND SYSTEM FOR IRON REMOVAL IN COAL MINE BASED ON REFLECTED GRAYSCALE ~71:SHANDONG DAQI COMMUNICATION ELECTRONICS CO., LTD., No. 117 Daqiao Road, Licheng District, Jinan City,, People's Republic of China ~72: HU, Yaopeng;LIU, Tongbao;MAN, Juncai;MEN, Xuesong;SHU, Zhengyi;SONG, Zhiyong;XIA, Zengji;XU, Chunying;YANG, Xueliang~ 33:CN ~31:202111247885.1 ~32:26/10/2021

2021/08851 ~ Complete ~54:PDE9 INHIBITORS FOR TREATING THALASSEMIA ~71:IMARA INC., 116 Huntington Avenue, Suite 600, Massachusetts, United States of America ~72: BALLAL, Rahul Dilip;MACIEL, Thiago Trovati~ 33:US ~31:62/844,571 ~32:07/05/2019

2021/08828 ~ Complete ~54:AN AERIAL IMAGING SYSTEM AND METHOD ~71:AEROMETREX PTY LTD, 51-53 Glynburn Road, Australia ~72: BYRNE, David~ 33:AU ~31:2019901776 ~32:24/05/2019

2021/08844 ~ Complete ~54:PORTABLE COMMUNICATION DEVICE INCLUDING SEALING MEMBER ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: CHIJOON KIM;HYOSUNG LA;JINGOOK KIM;JUNGWON PARK;JUNYOUNG CHOI;SEUNGJOON LEE;SEUNGWHEE CHOI;SUMAN LEE;SUNGHUN KIM;YOUNGMIN KANG;YUNSIK KIM~ 33:KR ~31:10-2019-0064725 ~32:31/05/2019;33:KR ~31:10-2019-0087766 ~32:19/07/2019;33:KR ~31:10-2019-0108733 ~32:03/09/2019;33:KR ~31:10-2020-0002991 ~32:09/01/2020

2021/08821 ~ Complete ~54:COMMUNICATION TRANSMISSION DEVICE FOR HEAVY-WATER REACTOR CONTROL SYSTEM ~71:ATOMHORIZON ELECTRIC (JINAN) CO., LTD., Room 1610, 16th Floor, Building 5, Qisheng Building, No. 1666 Xinluo Street, High-tech Zone, Jinan City, People's Republic of China ~72: HUANG, Baozhong;LI, Hui;LI, Luya;LI, Su;SUN, Xingjian~ 33:CN ~31:202111078312.0 ~32:15/09/2021

2021/08823 ~ Complete ~54:METHOD OF TREATING LOWER URINARY TRACT SYMPTOMS WITH FEXAPOTIDE TRIFLUTATE ~71:NYMOX CORPORATION, 777 Terrace Avenue, Hasbrouck Heights, United States of America ~72: AVERBACK, Paul~ 33:US ~31:16/410,658 ~32:13/05/2019

2021/08804 ~ Complete ~54:UNSUPERVISED LEARNING-BASED DOCUMENT TERM SEGMENTATION METHOD IN FIELD OF IDEOLOGICAL AND POLITICAL EDUCATION AND SYSTEM THEREOF ~71:Qingdao

University of Science and Technology, No. 99, Songling Road, Qingdao City, Shandong Province, 266042, People's Republic of China ~72: LIU, Zizhao; SONG, Jiahui; YANG, Xinghai; ZANG, Wenjing; ZHANG, Yulin~

2021/08807 ~ Complete ~54:KANDELIA CANDEL PLANTING METHOD IN TIDAL FLATS OF HIGH-WIND-WAVE AND STRONG-TIDE AREA ~71:OCEAN AND FISHERY DEVELOPMENT RESEARCH CENTER OF DONGTOU DISTRICT, WENZHOU CITY, NO. 73-1, CHEZHAN ROAD, BEI'AO STREET, DONGTOU DISTRICT, WENZHOU CITY, People's Republic of China ~72: DONG, JIALING; GAN, JIANJUN; HU, XIAOMING; LI, CHANGDA; WU, JUANJIA~

2021/08809 ~ Complete ~54:METHOD AND SYSTEM FOR OPERATION AND MAINTENANCE MANAGEMENT BASED ON GRAPHICAL SEMANTIC STRATEGY PROGRAMMING ~71:SHANDONG TONGYUAN DIGITAL TECHNOLOGY CO., LTD., 9th Floor, A2-5 Building, Hanyu Jingu Financial Business Center, No. 7000, Jingshi Road, Jinan Area of China (Shandong) Pilot Free Trade Zone, Jinan, People's Republic of China ~72: HE, Xiao; LIU, Pengfei; ZHANG, Yubin~ 33:CN ~31:202111249603.1 ~32:26/10/2021

2021/08829 ~ Complete ~54:INTELLIGENT LAYER FRAME CIRCULATING CRAWLER SOLID STATE FERMENTATION EQUIPMENT AND AEROBIC SOLID STATE FERMENTATION METHOD ~71:Hunan Minkang Biotechnology Research Institute, Building 2, Shengkeyuan, Changsha University, No. 98, Hongshan Road, Kaifu District, Changsha City, Hunan Province, 410011, People's Republic of China ~72: JIANG, Xiaowen; LIU, Yingying; WANG, Huiming; XIAO, Bingnan; XIAO, Yi~ 33:CN ~31:201920682385.2 ~32:14/05/2019; 33:CN ~31:201910433292.0 ~32:23/05/2019

2021/08837 ~ Complete ~54:PHENYLAMINOPYRIMIDINE AMIDE AUTOPHAGY INHIBITORS AND METHODS OF USE THEREOF ~71:Deciphera Pharmaceuticals, LLC, 200 Smith Street, WALTHAM 02451, MA, USA, United States of America ~72: AHN, Yu Mi; CALDWELL, Timothy; FLYNN, Daniel L.; VOGETI, Lakshminarayana~ 33:US ~31:62/846,251 ~32:10/05/2019; 33:US ~31:62/846,258 ~32:10/05/2019; 33:US ~31:62/911,728 ~32:07/10/2019; 33:US ~31:62/911,730 ~32:07/10/2019

2021/08841 ~ Complete ~54:BOREHOLE SEALING AND IMPROVED FOAM PROPERTIES FOR CONTROLLED FOAM INJECTION (CFI) FRAGMENTATION OF ROCK AND CONCRETE ~71:CFI Technologies, LLC, P.O Box 772129, STEAMBOAT SPRINGS 80477, CO, USA, United States of America ~72: FRIAS, J. Roberto; YOUNG III, Chapman~

2021/08849 ~ Complete ~54:ALUMINUM ALLOYS FOR FLUXLESS BRAZING APPLICATIONS, METHODS OF MAKING THE SAME, AND USES THEREOF ~71:NOVELIS INC., 3560 Lenox Road Suite 2000, Atlanta, Georgia, 30326, United States of America ~72: JYOTHI KADALI~ 33:US ~31:62/849,938 ~32:19/05/2019

2021/08812 ~ Complete ~54:CULTURE METHOD FOR IMPROVING QUALITY OF WHEAT ~71:QINGDAO AGRICULTURAL UNIVERSITY, No. 700 Changcheng Road, Chengyang District, Qingdao, People's Republic of China ~72: GUO, Weiwei; HE, Zihan; LI, Ximei; LIU, Yinyu; WANG, Huifang; ZHANG, Yumei~ 33:CN ~31:202111251436.4 ~32:27/10/2021

2021/08826 ~ Complete ~54:FLAVOR ARTICLE FOR AN AEROSOL DELIVERY DEVICE ~71:RAI STRATEGIC HOLDINGS, INC., 401 North Main Street, United States of America ~72: HEJAZI, Vahid; REYNOLDS, Rebecca H.~ 33:US ~31:16/408,942 ~32:10/05/2019

2021/08832 ~ Complete ~54:GENE THERAPIES FOR LYSOSOMAL DISORDERS ~71:Prevail Therapeutics, Inc., 430 East 29th Street, Suite 940, NEW YORK 10016, NY, USA, United States of America ~72: ABELIOVICH, Asa; HECKMAN, Laura; HEFTI, Franz; LIN, Hsuan-Ni; RHINN, Herve; WONG, Li Chin~ 33:US ~31:62/831,846 ~32:10/04/2019; 33:US ~31:62/934,450 ~32:12/11/2019; 33:US ~31:62/954,089 ~32:27/12/2019; 33:US ~31:62/960,471 ~32:13/01/2020; 33:US ~31:62/988,665 ~32:12/03/2020

2021/08833 ~ Complete ~54:INDUCTOR COIL FOR AN AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: THORSEN, Mitchel;WARREN, Luke James~ 33:GB ~31:1907527.4 ~32:28/05/2019;33:GB ~31:1916297.3 ~32:08/11/2019

2021/08840 ~ Complete ~54:COMBINATION THERAPIES COMPRISING APREMILAST AND TYK2 INHIBITORS ~71:Celgene Corporation, 86 Morris Avenue, SUMMIT 07901, NJ, USA, United States of America ~72: ADAMS, Mary;BEEBE, Lisa;BUCHWALTER, Gilles;CARR, Tiffany;PLENGE, Robert;SCHAFFER, Peter Henry;TZENG, Te-Chen~ 33:IB ~31:2019/029772 ~32:30/04/2019

2021/08847 ~ Complete ~54:MODIFIED CLAY SORBENTS AND METHODS OF SORBING PFAS USING THE SAME ~71:SPECIALTY MINERALS (MICHIGAN) INC., 30600 Telegraph Road Bingham Farms, Michigan, 48025, United States of America ~72: MICHAEL DONOVAN~ 33:US ~31:62/851,431 ~32:22/05/2019

2021/08794 ~ Complete ~54:DRILL BIT FASTENING MECHANISM ~71:THE BÜHRMANN TRUST, Plot 33, The Riverside Estates, South Africa ~72: BÜHRMANN, Rudolph~ 33:ZA ~31:2020/06977 ~32:10/11/2020

2021/08830 ~ Complete ~54:MATERIAL CONVEYING DEVICE AND SCRAPER ~71:SHANDONG LINGXIYUAN SCI-TECH DEVELOPMENT CORPORATION, Building 2, No. 669, West of Yuxing Road, Chemical Industrial Park, Sangzidian Town, Tianqiao District, Jinan, Shandong, 250119, People's Republic of China ~72: MA, Lanying;QI, Peng;ZHANG, Xiaofeng;ZHANG, Xiaoqi~ 33:CN ~31:202010022714.8 ~32:09/01/2020

2021/08842 ~ Complete ~54:ANTI-ABETA VACCINE THERAPY ~71:AC Immune SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: MUHS (deceased), Andreas;PFEIFER, Andrea~ 33:EP ~31:19175810.1 ~32:21/05/2019;33:EP ~31:19185593.1 ~32:10/07/2019;33:EP ~31:20171549.7 ~32:27/04/2020;33:EP ~31:20172205.5 ~32:29/04/2020

2021/08799 ~ Complete ~54:CELL MEMBRANE-COATED AU-Fe₃O₄ TARGETED NANOMATERIAL, AND PREPARATION METHOD AND USE THEREOF ~71:Qilu University of Technology, No.3501, Daxue Road, Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: CAO, Xiuping;GUO, Yingshu~

2021/08801 ~ Complete ~54:DIRECT CURRENT MICRO-GRID CONTROL SYSTEM, CONTROL METHOD, STORAGE MEDIUM, DEVICE AND APPLICATION THEREOF ~71:China University of Petroleum (Huadong), No. 66, West Changjiang Road, Huangdao District, Qindao, 266580, People's Republic of China ~72: FENG, Xingtian;TIAN, Yongtao;ZHANG, Zhihua~ 33:CN ~31:202110640894.0 ~32:09/06/2021

2021/08803 ~ Complete ~54:FLOATING VERTICAL-AXIS WIND TURBINE ~71:Shaanxi Kerlimar Engineers Co., Ltd., 6-2707, Daduhui, No.305 Keji Road, Yanta District, Xi'an City, Shaanxi Province, 710061, People's Republic of China ~72: SUN, Ming~

2021/08811 ~ Complete ~54:SYSTEM AND METHOD FOR DIGITAL RESIDENTIAL SPECIFICATION BASED ON BIM ENGINE ~71:SHANDONG TONGYUAN DIGITAL TECHNOLOGY CO., LTD., 9th Floor, A2-5 Building, Hanyu Jingu Financial Business Center, No. 7000, Jingshi Road, Jinan Area of China (Shandong) Pilot Free Trade Zone, Jinan, People's Republic of China ~72: DONG, Baofang;LIU, Pengfei;WANG, Xiaobin;WANG, Xiaolei;XIAO, Shaohua~ 33:CN ~31:202111249630.9 ~32:26/10/2021

2021/08819 ~ Complete ~54:METHOD AND SYSTEM FOR MECHANICAL SYSTEM FAULT DIAGNOSIS BASED ON VISIBILITY GRAPH ~71:ATOMHORIZON ELECTRIC (JINAN) CO., LTD., Room 1610, 16th Floor, Building 5, Qisheng Building, No. 1666 Xinluo Street, High-tech Zone, Jinan City, People's Republic of China ~72: LI, Luya;LI, Su;LIU, Haitao;ZHANG, Wentao~ 33:CN ~31:202110825641.0 ~32:21/07/2021

2021/08831 ~ Complete ~54: GENE THERAPIES FOR LYSOSOMAL DISORDERS ~71: Prevail Therapeutics, Inc., 430 East 29th Street, Suite 940, NEW YORK 10016, NY, USA, United States of America ~72: ABELIOVICH, Asa; HECKMAN, Laura; HEFTI, Franz; RHINN, Herve ~ 33: US ~31: 62/831,840 ~32: 10/04/2019; 33: US ~31: 62/990,246 ~32: 16/03/2020

2021/08846 ~ Complete ~54: MCL-1 INHIBITOR ANTIBODY-DRUG CONJUGATES AND METHODS OF USE ~71: LES LABORATOIRES SERVIER, 35 rue de Verdun, Suresnes Cedex, 92284, France; NOVARTIS AG, Lichtstrasse 35, 4056, Basel, Switzerland ~72: G#193;NES PROSZENYÁK; ANA LETICIA MARAGNO; ANDRAS KOTSCHY; BING YU; ERIC MCNEILL; FRÉDÉRIC COLLAND; FRANCESCA ROCCHETTI; JÉRÔME STARCK; JEAN-MICHEL HENLIN; JOHN WILLIAM BLANKENSHIP; JOSEPH ANTHONY D'ALESSIO; KATSUMASA NAKAJIMA; LEA DELACOUR; MAIA CHANRION; MARK G PALERMO; MARTON CSEKEI; MATTHEW T BURGER; OLIVIER GENESTE; PATRICE DESOS; QIANG ZHANG; SZABOLCS SIPOS; VESELA KOSTOVA; ZHUOLIANG CHEN ~ 33: US ~31: 62/850,098 ~32: 20/05/2019

2021/09265 ~ Provisional ~54: STORAGE BATTERY ~71: Hermanus Christoffel Petrus Human, 10A CLIFFORD ROAD, CHANCLIFF, South Africa ~72: Hermanus Christoffel Petrus Human; Jan Petrus Human~

2021/08789 ~ Provisional ~54: FEEDING SYSTEM AND METHOD ~71: INTELLIFARM (PTY) LTD., First Floor, Wrigley Field, The Campus, C/o Sloane & Main Street, Bryanston, 2021, South Africa ~72: PIETER JACOBUS DE WET~

2021/08792 ~ Provisional ~54: A CONTAINER FOR AN/A AQUAPONIC/HYDROPONIC SYSTEM, A DRAINAGE ARRANGEMENT, AN/A AQUAPONIC/HYDROPONIC SYSTEM, AND A METHOD OF DRAINING FLUID FROM AN/A AQUAPONIC/HYDROPONIC SYSTEM ~71: BREMNER, Colin Derek, Plot 65, Donkerhoek, Rayton, 1001, SOUTH AFRICA, South Africa ~72: BREMNER, Colin Derek~

2021/08810 ~ Complete ~54: SYSTEM FOR INTELLIGENT WORK ORDER BASED ON GRAPHICAL STRATEGY PROGRAMMING ENGINE AND WORKING METHOD THEREOF ~71: SHANDONG TONGYUAN DIGITAL TECHNOLOGY CO., LTD., 9th Floor, A2-5 Building, Hanyu Jingu Financial Business Center, No. 7000, Jingshi Road, Jinan Area of China (Shandong) Pilot Free Trade Zone, Jinan, People's Republic of China ~72: HE, Xiao; LIU, Pengfei; ZHANG, Yubin ~ 33: CN ~31: 202111247925.2 ~32: 26/10/2021

2021/08820 ~ Complete ~54: DEVICE FOR CONTACTS SCANNING OF MULTI-CHANNEL NUCLEAR POWER EQUIPMENT AND WORKING METHOD THEREOF ~71: ATOMHORIZON ELECTRIC (JINAN) CO., LTD., Room 1610, 16th Floor, Building 5, Qisheng Building, No. 1666 Xinluo Street, High-tech Zone, Jinan City, People's Republic of China ~72: HUANG, Baozhong; LI, Hui; LI, Luya; LI, Su; WANG, Yanlei ~ 33: CN ~31: 202110955168.8 ~32: 19/08/2021

2021/08827 ~ Complete ~54: MONITORING SYSTEMS ~71: MULLINS, Scott Charles, 16622 Moss creek Street, United States of America ~72: MULLINS, Scott Charles ~ 33: US ~31: 62/831,955 ~32: 10/04/2019; 33: US ~31: 62/865,828 ~32: 24/06/2019; 33: US ~31: 62/907,484 ~32: 27/09/2019; 33: US ~31: 62/947,468 ~32: 12/12/2019

2021/08802 ~ Complete ~54: CMF-TIO2-PDMS COMPOSITE MATERIAL WITH SUPER-HYDROPHOBICITY AND PREPARATION METHOD AND APPLICATION THEREOF ~71: Qingdao University of Science and Technology, No. 99 Songling Road, Laoshan District, Qingdao, Shandong, 266061, People's Republic of China ~72: LIU, Yong; YUAN, Xun; ZHU, Haiguang~

2021/08808 ~ Complete ~54: COMPOSITION COMPRISING CYSTEINE, A PARTICULAR FATTY ACID TRIGLYCERIDE AND AN ADDITIONAL REDUCING AGENT ~71: L'OREAL, 14, rue Royale, France ~72: ATTWELL, Shannon; DONCK, Simon; EASON, Jason; MOLAMODI, Kwezikazi~

2021/08818 ~ Complete ~54:METHOD AND SYSTEM FOR UNDERWATER ARCHAEOLOGICAL TARGET IDENTIFICATION BASED ON UAV AEROMAGNETIC MEASUREMENT ~71:SHANDONG INSTITUTE OF GEOPHYSICAL AND GEOCHEMICAL EXPLORATION, No. 56, Lishan Road, Jinan City, People's Republic of China ~72: GUO, Peng;LI, Bin;LI, Dianchao;SUN, Huaifeng;ZHANG, Yanhui;ZHAO, Faqiang~ 33:CN ~31:202111263404.6 ~32:28/10/2021

2021/08835 ~ Complete ~54:METHODS FOR TREATING CANCER ~71:BicycleRD Limited, Building 900, Babraham Research Campus, CAMBRIDGE CB22 3AT , UNITED KINGDOM, United Kingdom ~72: BENNETT, Gavin;LAHDENRANTA, Johanna;LANGFORD, Gillian;PARK, Peter~ 33:US ~31:62/846,064 ~32:10/05/2019

2021/08836 ~ Complete ~54:ANTI-EPHA4 ANTIBODY ~71:Eisai R&D Management Co., Ltd., 4-6-10 Koishikawa, TOKYO 1128088, BUNKYO-KU, JAPAN, Japan ~72: DEGUCHI, Maki;IMAI, Toshio;INOUE, Eiji;KAWAKATSU, Tomomi;NAKATANI, Aki;YAMADA, Akio~ 33:JP ~31:2019-122982 ~32:01/07/2019

2021/08850 ~ Complete ~54:ELECTRICAL CONNECTION MOUNT SYSTEM ~71:MARECHAL ELECTRIC, 5 avenue du Chemin de Presles, 94410, Saint-Maurice, France ~72: FRANCIS ZAGROUN;JULIEN GALLAND;ROMAIN PILLARD~ 33:FR ~31:FR1904938 ~32:13/05/2019

2021/08796 ~ Complete ~54:BROADBAND SINGLE-POLARIZATION RESIDUAL DISPERSION COMPENSATION PHOTONIC CRYSTAL FIBER ~71:Tangshan University, No.9, West Daxue Road, Tangshan, Hebei, 063000, People's Republic of China ~72: JIANG, Linghong;TANG, Wanwei;WANG, Chao~ 33:CN ~31:202110796709.7 ~32:14/07/2021

2021/08806 ~ Complete ~54:INSECT-RAISING DEVICE AND USE METHOD THEREOF ~71:Shihezi University, NO.221 Beisi Road, Shihezi City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Chen Jing;He Wanjie;Li Lun;Meng Hanying;Yang Chen;Zhang Zhihu~

2021/08825 ~ Complete ~54:RESERVOIR CONFIGURATION FOR AEROSOL DELIVERY DEVICE ~71:RAI STRATEGIC HOLDINGS, INC., 401 North Main Street, United States of America ~72: HEJAZI, Vahid~ 33:US ~31:62/851,318 ~32:22/05/2019;33:US ~31:16/878,194 ~32:19/05/2020

2021/08824 ~ Complete ~54:CRYSTALLINE FORMS OF N- (5- (5- ((1R, 2S) -2-FLUOROCYCLOPROPYL) -1, 2, 4-OXADIAZOL-3-YL) -2-METHYLPHENYL) IMIDAZO [1, 2-A] PYRIDINE-3-CARBOXAMIDE ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: KORDIKOWSKI, Andreas;WANG, Xiaoyang~ 33:CN ~31:PCT/CN2019/086582 ~32:13/05/2019

2021/08834 ~ Complete ~54:NITRILE-CONTAINING ANTIVIRAL COMPOUNDS ~71:Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: OWEN, Dafydd Rhys;PETTERSSON, Martin Youngjin;REESE, Matthew Richard;SAMMONS, Matthew Forrest;TUTTLE, Jamison Bryce;VERHOEST, Patrick Robert;WEI, Liuqing;YANG, Qingyi;YANG, Xiaojing~ 33:US ~31:63/073,982 ~32:03/09/2020;33:US ~31:63/143,435 ~32:29/01/2021;33:US ~31:63/170,158 ~32:02/04/2021;33:US ~31:63/194,241 ~32:28/05/2021

2021/08845 ~ Complete ~54:BEAD-FREE EX-VIVO EXPANSION OF HUMAN REGULATORY T CELLS ~71:THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, 1111 Franklin Street, Twelfth Floor, Oakland, California, 94607-5200, United States of America ~72: FLAVIO VINCENTI;NIKOLAOS SKARTSIS;QIZHI TANG~ 33:US ~31:62/841,215 ~32:30/04/2019

2021/08848 ~ Complete ~54:CONCEALABLE WINDOW SPRINKLER ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, Easton, Pennsylvania, 18040-6714, United States of America ~72: JOHN

DESROSIER;KEVIN DESMOND MAUGHAN;STEPHEN J MEYER;THOMAS SANDBERG;THOMAS WANCHO~
33:US ~31:62/841,592 ~32:01/05/2019

2021/08791 ~ Provisional ~54:SYSTEMS AND METHODS FOR DYNAMIC CREDIT FACILITY FOR
WHOLESALE FUEL TO A TRANSPORT INDUSTRY ~71:Transact Company (Pty) Ltd, 42 Matrose Street,
South Africa ~72: Yoshihito Mavunga Yame~

2021/08795 ~ Complete ~54:HIGH-PRECISION SPINDLE ROTATION SYSTEM FOR A MACHINE TOOL AND
CONTROL METHOD ~71:Shandong University, No. 17923, Jingshi Road, Lixia District, Jinan City, Shandong
Province, 250061, People's Republic of China ~72: CHEN, Shujiang;WANG, Kang;XU, Chunwang~

2021/08797 ~ Complete ~54:BRICK-CONCRETE MIXED RECYCLED COARSE AGGREGATE CONCRETE
AND PREPARATION METHOD THEREOF ~71:Zhengzhou University, No. 100, science Avenue, high tech
Development Zone, Zhengzhou City, Henan Province, People's Republic of China;Zhengzhou gongtu
Construction Engineering Testing Co., Ltd, No.97 Wenhua Road, Jinshui District, Zhengzhou City, Henan
Province, People's Republic of China ~72: Chen Yang;Feng Hu;Qi Guofeng;Shen Lei;Sun Guangxin;Wang
Meng;Wang Mengnan;Wang Shibo;Xiao Wenxi;Xu Shiwen;Yuan Chengfang;Zhao Zhuo~

2021/08800 ~ Complete ~54:CELL MEMBRANE-COATED $Fe_3O_4@MnO_2$ TARGETED NANOMATERIAL AND
PREPARATION METHOD AND USE THEREOF ~71:Qilu University of Technology, No.3501, Daxue Road,
Changqing District, Jinan, Shandong Province, 250353, People's Republic of China ~72: GUO, Yingshu;ZHENG,
Xiaofei~

2021/08805 ~ Complete ~54:BACILLUS MEGATERIUM STRAIN MYB3 AND USE THEREOF IN FERMENTED
STRAW FEEDSTUFF ~71:Yanbian University, 977 Gongyuan Road, Yanji City, Yanbian Korean Autonomous
Prefecture, Jilin Province, 133002, People's Republic of China ~72: BAI, Bing;LI, Guangchun~

2021/08838 ~ Complete ~54:SKIN CARE OIL IN WATER EMULSION ~71:Beiersdorf AG, Unnastraße 48,
HAMBURG 20253, GERMANY, Germany ~72: SAURABH, Gupta;WANKHADE, Amar~ 33:IN
~31:201911031194 ~32:01/08/2019

- APPLIED ON 2021/11/10 -

2021/08884 ~ Complete ~54:AIR SUCTION TYPE PRECISION SEED-METERING DEVICE CAPABLE OF
ADJUSTING SUCTION HOLE SIZES ~71:SHANDONG UNIVERSITY OF TECHNOLOGY, Room 313, Tower A,
Gaochuang Park, Zibo National New&Hi-tech Industrial Development Zone, Zibo, Shandong, 255086,
People's Republic of China ~72: CHEN, Yulong;JIANG, Yeyuan;KANG, Wangcai;LAN, Yubin;LIU, Jiyuan;LIU,
Zeqi;YI, Lili;YIN, Xiang;ZHANG, Meng;ZHAO, Wenqi~ 33:CN ~31:202110429327.0 ~32:21/04/2021

2021/08854 ~ Provisional ~54:A CAP FOR A BOTTLE ~71:VAN IDDEKINGE, Jan Wim, 80 Monument Road,
KEMPTON PARK 1620, Gauteng Province, SOUTH AFRICA, South Africa ~72: VAN IDDEKINGE, Jan Wim~

2021/08888 ~ Complete ~54:A METHOD FOR ANALYZE MUTUAL FUND AND CAUSE OF ITS LOW
PENETRATION AMONG INDIVIDUAL INVESTORS ~71:Dr. Ajay Pratap Singh, Associate Professor, Mangalmay
Institute of Management and Technology, Knowledge Park II, Greater Noida, Uttar Pradesh, 201306, India;Dr.
Anita Sharma, Associate Professor, Department of Management Studies, Institute of Information Technology and
Management, GGSIP University, D- 29, Institutional Area, Janakpuri, New Delhi , Delhi, 110058, India;Dr. Debjani
Banerjee, Associate Dean Quality Assurance and Accreditation , Vivekanand Education Society's Institute of
Management Studies and Research, Chembur, Mumbai, Maharashtra, 400074, India;Dr. Indrajeet Ramdas
Bhagat, Head of Department and Assistant Professor in Commerce, Yeshwantrao Chavan College of
Engineering, Hingna Road, Wanadongri, Nagpur, Maharashtra, 441110, India;Dr. Mohammed Abdul Raffey,

Assistant Professor, UGC Human Resource Development Center, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra, 431001, India; Dr. Namita Mishra, Associate Professor, Tecnia Institute of Advanced Studies, 3PSP, Institutional Area, Madhuban Chowk, Bhagawan Mahavir Marg, Sec 14, Rohini, New Delhi, Delhi, 110085, India; Dr. Pradip Kumar Mitra, Associate Dean Finance, Vivekanand Education Society's Institute of Management Studies and Research, Chembur, Mumbai, Maharashtra, 400074, India; Dr. Rashmi Singel, Associate Professor, K.R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103, India; Dr. Sachin Deshmukh, Director, Vivekanand Education Society's Institute of Management Studies and Research, Chembur, Mumbai, Maharashtra, 400074, India; Dr. Sanjay Bhaskar Kalamkar, Vice Principal and Head, Department of Commerce and Management New Art's, Commerce & Science College (Autonomous), Ahmednagar, Maharashtra, 414001, India; Dr. Sayyad Mahejabin Dildar, Assistant Professor, Savitribai Phule Pune University, Ganeshkhind Rd, Ganeshkhind, Pune, Maharashtra, 411007, India; Prof. Ramesh Chandra Panda, Chief Scientist, Wegrow Private Limited, Bhubaneswar, Odisha, 751001, India ~72: Dr. Ajay Pratap Singh; Dr. Anita Sharma; Dr. Debjani Banerjee; Dr. Indrajeet Ramdas Bhagat; Dr. Mohammed Abdul Raffey; Dr. Namita Mishra; Dr. Pradip Kumar Mitra; Dr. Rashmi Singel; Dr. Sachin Deshmukh; Dr. Sanjay Bhaskar Kalamkar; Dr. Sayyad Mahejabin Dildar; Prof. Ramesh Chandra Panda~

2021/08902 ~ Complete ~54:A POLYMER AND A COSMETIC COMPOSITION COMPRISING THE POLYMER ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHISH ANANT VAIDYA; CHENZHI YAO; PRAFUL GULAB RAO LAHORKAR; RAJKUMAR PERUMAL; SHENGYU SHI; SHIYONG LIU; XIAOXIA YANG~ 33:CN ~31:PCT/CN2019/090001 ~32:04/06/2019; 33:EP ~31:19183810.1 ~32:02/07/2019

2021/08859 ~ Complete ~54:PREPARATION METHOD OF CORDIERITE CRUCIBLE ~71:Shandong Mingte Ceramic Material Co., LTD, Mingji Development Zone, Zouping County, Binzhou City, Shandong Province, 256600, People's Republic of China ~72: Cai Wei; Cai Yankun; Li Mingjing; Sun Huayun; Yin Peiru; Zhang Xin~

2021/08860 ~ Complete ~54:ERCP AUXILIARY MANIPULATOR DEVICE ~71:The First Affiliated Hospital of Zhengzhou University, No.1 Jianshe East Road, Erqi District, Zhengzhou City, Henan, People's Republic of China ~72: REN, Weiguo~ 33:CN ~31:202111130781.2 ~32:26/09/2021

2021/08893 ~ Complete ~54:DISPENSER FOR DISPENSING WEB MATERIAL FROM A ROLL ~71:ESSITY HYGIENE AND HEALTH AKTIEBOLAG, 405 03, Sweden ~72: BENGTSSON, Mattias; ENMALM, Johanna; GANDEMO, Tomas; JOHANSSON, Martina; KULLMAN, Marcus~ 33:WO ~31:PCT/EP2019/068088 ~32:05/07/2019

2021/08898 ~ Complete ~54:TIPPER ASSEMBLY ~71:CATERPILLAR SARL, Route de Frontenex 76, Switzerland ~72: LOWERSON, Julian; STOKER, Mark~ 33:GB ~31:1907390.7 ~32:24/05/2019

2021/08901 ~ Complete ~54:NEUROACTIVE STEROIDS AND COMPOSITIONS THEREOF ~71:SAGE THERAPEUTICS, INC., 215 First Street, Cambridge, Massachusetts, 02142, United States of America ~72: FRANCESCO G SALITURO; MARIA JESUS BLANCO-PILLADO; MARSHALL LEE MORNINGSTAR~ 33:US ~31:62/855,435 ~32:31/05/2019

2021/08876 ~ Complete ~54:WRAPPING MATERIAL FOR REDUCED CONTAMINATION ~71:Tama Group, Kibbutz Mishmar Ha'emek, Jezreel Valley, Israel ~72: Erez Shani; Gali Cantor Peled; Nachem Doron~ 33:US ~31:17/093,793 ~32:10/11/2020

2021/08883 ~ Complete ~54:PRIMER SET, KIT, AND METHOD FOR FLUORESCENT LAMP ASSAY FOR AFRICAN SWINE FEVER VIRUS ~71:Beijing Animal Disease Control Center, No. 19, Xiangrui Street, Biological Medicine Base, Daxing District, Beijing, 102629, People's Republic of China ~72: GAO, Xiaolong; LI, Yunpeng; SONG, Yanjun; WANG, Lin; WANG, Pei; WEI, Haitao; ZHANG, Wei~

2021/08910 ~ Complete ~54:FORMULATION FOR ORAL DELIVERY OF PROTEINS, PEPTIDES AND SMALL MOLECULES WITH POOR PERMEABILITY ~71:Biohaven Pharmaceutical Holding Company Ltd., 215 Church Street, NEW HAVEN 06510, CT, USA, United States of America;R.P. Scherer Technologies, LLC, 112 North Curry Street, CARSON CITY 89703, NV, USA, United States of America ~72: CONWAY, Charles M.;DUBOWCHIK, Gene M.;GALUS, Aurélien;HILBOLD, Benoit;MEISSONNIER, Julien;PLASSAT, Vincent;POINTEAUX, Thomas~ 33:US ~31:62/832,508 ~32:11/04/2019

2021/08911 ~ Complete ~54:NASAL PLUG ~71:Hogne AB, Högensås, Nacka 131 30, SWEDEN, Sweden ~72: HENBLAD, Peter;HENBLAD, Susanne~ 33:SE ~31:1950566-8 ~32:13/05/2019

2021/08913 ~ Complete ~54:A MECHANICAL TENSIONING DEVICE AND METHOD ~71:ADvMet (Pty) Ltd, 18 Milkwood Lane, Salt Rock, 4391,KZN, SOUTH AFRICA, South Africa ~72: BASSON, Christian Ivan;MISSIO, Lorenzo Andrea~ 33:ZA ~31:2019/03054 ~32:16/05/2019;33:ZA ~31:2020/00824 ~32:10/02/2020

2021/08863 ~ Complete ~54:NATURAL CHINESE HERBAL MEDICINE FORMULATION FOR IMPROVING PORK QUALITY ~71:College of Animal Science, Shanxi Agricultural University, 81 Longcheng Street, Xiaodian District, Taiyuan City, Shanxi Province, 030032, People's Republic of China ~72: CAO, Riliang;CAO, Xuanya;HU, Guangying~

2021/08868 ~ Complete ~54:MULTI-SEISMIC-PROOF SELF-RESETTING ASSEMBLED TYPE FRAMEWORK-SWING WALL ENERGY CONSUMPTION STRUCTURE ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 11, Fushun Road, Shibei District, Qingdao, Shandong, 266033, People's Republic of China ~72: FU, Wei;LIANG, Haizhi;MA, Zhehao;YAN, Lei;ZHANG, Chunwei;ZHANG, Jigang;ZHENG, Yongzheng~

2021/08874 ~ Complete ~54:COMPOUND CHINESE MEDICINE FOR TREATING CHICKEN COLIBACILLOSIS AND PREPARATION METHOD THEREOF ~71:Northeast Agricultural University, No. 600 Changjiang Road, Xiangfang District, Harbin, Heilongjiang, People's Republic of China ~72: Chen Hao;Huo Mohan;Jiang Xiaowen;Liu Si;Liu Zhihui;Ma Juan;Sun Mengqing;Wang Yao;Yu Wenhui~

2021/08887 ~ Complete ~54:ROCK DRILL GUIDE FRAME ~71:HYDRO POWER EQUIPMENT (PTY) LTD, 19 Precision Street, Kya Sands, South Africa ~72: BARMANN, Rudolph;CRONJE, Johan Marthinus;FRASER, Peter Duncan~ 33:ZA ~31:2020/06978 ~32:10/11/2020

2021/08900 ~ Complete ~54:MIC THERAPY FOR SPECIFIC IMMUNOSUPPRESSION IN TRANSPLANTATION ~71:TOLEROGENIXX GMBH, Im Neuenheimer Feld 162, Germany;UNIVERSITÄT HEIDELBERG, Seminarstr. 2, Germany ~72: Anita SCHMITT;Caner SÖZAL;Christian KLEIST;Christian MORATH;Gerhard OPELZ;Martin ZEIER;Matthias SCHAIER;Michael SCHMITT;Peter TERNESS;Volker DANIEL~

2021/08912 ~ Complete ~54:A MECHANICAL TENSIONING SYSTEM AND METHOD ~71:ADvMet (Pty) Ltd, 18 Milkwood Lane, Salt Rock, 4391,KZN, SOUTH AFRICA, South Africa ~72: BASSON, Christian Ivan;MISSIO, Lorenzo Andrea~ 33:ZA ~31:2019/03053 ~32:16/05/2019;33:ZA ~31:2020/00823 ~32:10/02/2020

2021/08866 ~ Complete ~54:COMPOUND RESERPINE TABLETS AND PREPARATION METHOD THEREOF ~71:Shanxi Tongda Pharmaceutical Co., Ltd., The First Medical Park, Datong Economic and Technological Development Zone, Datong City, Shanxi Province, 037000, People's Republic of China ~72: CHEN, Liqiong;LIU, Guang;SHUAI, Zhiming;XU, Chao;YANG, Junping~

2021/08877 ~ Complete ~54:FRAGRANT PEAR POSTURE CORRECTION DEVICE ~71:Tarim University, NO.1188 Junken Avenue, Alar City, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Lan Haipeng;Liu Yang;Ma Jiale;Tang Yurong;Zhang Yongcheng~

2021/08881 ~ Complete ~54:MULTIFUNCTIONAL AUTOMATIC GARLIC PEELING MACHINE ~71:Shanghai Ocean University, Shanghai Ocean University of No. 999, Huchenghuan Rd., Lingang New City, Shanghai, 201306, People's Republic of China ~72: Li Yongguo;Tang Xuan~

2021/08878 ~ Complete ~54:CATHODE MATERIAL MO-VS4/N-GNTS OF MAGNESIUM-ION BATTERY AND USE THEREOF ~71:Qingdao University of Science and Technology, No. 53, Zhengzhou Road, Shibei District, Qingdao City, Shandong Province, 266042, People's Republic of China ~72: DAI, Xin;DING, Shiqi;LI, Zhenjiang;MENG, Alan;SONG, Guanying~ 33:CN ~31:202011355673.0 ~32:27/11/2020

2021/08861 ~ Complete ~54:DEGASSING-FREE UNDERWATER DISSOLVED CARBON DIOXIDE DETECTION DEVICE AND DETECTION METHOD ~71:Ocean University of China, No.238, Songling Road, Laoshan District, Qingdao, Shandong, 266600, People's Republic of China ~72: HAO, Xijie;LIANG, Rui;WANG, Fupeng;WU, Jinghua;XUE, Qingsheng~ 33:CN ~31:202110915210.3 ~32:10/08/2021

2021/08869 ~ Complete ~54:AUTOMATIC FLOW REGULATING SYSTEM FOR BLACK AND ODOROUS WATER BODIES IN RIVER CHANNELS ~71:Ocean University of China, No.238 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266100, People's Republic of China ~72: CHE, Haohan;LIAO, Xinrui;LIN, Haoran;LIU, Yaxin;XING, Lei;ZHANG, Hongmao;ZHANG, Zixin~ 33:CN ~31:202011567708.7 ~32:25/12/2020

2021/08890 ~ Complete ~54:AUDIO DECODER, APPARATUS FOR DETERMINING A SET OF VALUES DEFINING CHARACTERISTICS OF A FILTER, METHODS FOR PROVIDING A DECODED AUDIO REPRESENTATION, METHODS FOR DETERMINING A SET OF VALUES DEFINING CHARACTERISTICS OF A FILTER AND COMPUTER PROGRAM ~71:FRAUNHOFER-GESELLSCHAFT ZUR FàRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., HANSASTRASSE 27C, 80686 MÜNCHEN, GERMANY, Germany ~72: FUCHS, Guillaume;KORSE, Srikanth;RAVELLI, Emmanuel~ 33:EP ~31:PCT/EP2019/059355 ~32:11/04/2019

2021/08856 ~ Provisional ~54:MANUFACTURING OF CHROMATOGRAPHY VIALS IN SOUTH AFRICA ~71:Alliance Analytical Services, 10 Morton Way, Stratford Green, South Africa ~72: Alliance Analytical Services~

2021/08872 ~ Complete ~54:PREFABRICATED PREFINISHED VOLUMETRIC CONSTRUCTION (PPVC) MODULAR BUILDING STRUCTURE SYSTEM AND ASSEMBLY METHOD THEREOF ~71:QINGDAO UNIVERSITY OF TECHNOLOGY, No. 11, Fushun Road, Shibei District, Qingdao, Shandong, 266033, People's Republic of China ~72: CHEN, Degang;CHEN, Pengfei;WANG, Sheng;WANG, Tao;XU, Weixiao;YU, Dehu;YU, Yousheng;ZHANG, Jigang~

2021/08889 ~ Complete ~54:ARBORIZED FRUIT TREE PLANTING METHOD APPLICABLE TO COASTAL SALINE-ALKALI LAND ~71:SHANDONG INSTITUTE OF POMOLOGY, 66 Longtan Road, Taishan District, Shandong Province, People's Republic of China ~72: FU, Zhaochang;GAO, Xiaolan;LI, Guixiang;LI, Miao;SUN, Jiazheng;ZHANG, Anning;ZHANG, Jun~ 33:CN ~31:202111220445.7 ~32:20/10/2021

2021/08904 ~ Complete ~54:METHODS AND COMPOSITIONS FOR REVERSING PLATELET CLUMPING ~71:TRUVIAN SCIENCES, INC., 10300 Campus Point Dr., Suite 190, San Diego, California, 92121, United States of America ~72: DENA C MARRINUCCI;FLORENCE Y LEE;JEFFREY A HAWKINS;RENEE L HIGGINS~ 33:US ~31:62/845,807 ~32:09/05/2019

2021/08909 ~ Complete ~54:FORMULATION FOR ORAL DELIVERY OF PROTEINS, PEPTIDES AND SMALL MOLECULES WITH POOR PERMEABILITY ~71:R.P. Scherer Technologies, LLC, 112 North Curry Street, CARSON CITY 89703, NV, USA, United States of America ~72: GALUS, Aurélien;HILBOLD,

Benoit;MEISSONNIER, Julien;PLASSAT, Vincent;POINTEAUX, Thomas~ 33:US ~31:62/832,508
~32:11/04/2019

2021/08915 ~ Complete ~54:INTERSECTING NOZZLES ARRANGEMENT ~71:VIVIANA LONDON LIMITED,
Suite 2 The Hive Bell Lane, United Kingdom ~72: Michael EDWARDS~ 33:GB ~31:1905645.6 ~32:23/04/2019

2021/08867 ~ Complete ~54:DIGITAL EDUCATION SOFTWARE APPLICATION TECHNOLOGY ~71:Xiangyang
Tejie Feiteng Software Development Co., Ltd., Group 3, Hengzhuang, Fancheng District, Xiangyang City, Hubei
Province, 441000, People's Republic of China ~72: ZHANG, Houpu~

2021/08871 ~ Complete ~54:DOUBLE-ENDED KIRSCHNER WIRE FOR PEDIATRIC HIP JOINT SURGERY
~71:Children's Hospital of Soochow University, No.92, Zhongnan Street, Industrial Park, Suzhou City,
Jiangsu Province, People's Republic of China ~72: Chen Mimi;Lin Juanjuan;Liu Yao;Shan Feng;Shen
Xiaofang;Su Guanghao;Tang Fei;Wang Lin;Wang Xiaodong;Wang Zixuan;Wu Hongmei;Yao Feng;Yu
Wentao;Yuan Quanwen;Zhang Fuyong;Zhang Zheng;Zhao Kai;Zhen Yunfang;Zhu Zhenhua;Zhuang Ting;Zou
Cheng~

2021/08873 ~ Complete ~54:LOW-COST AND ENVIRONMENTALLY-FRIENDLY AMENDMENT FOR COASTAL
SEVERELY SALINE-ALKALI LAND AND APPLICATION METHOD THEREOF ~71:Institute of Coastal
Agriculture, Hebei Academy of Agriculture and Forestry Sciences, 63 Binhai Street, Caofeidian District, Tangshan
City, Hebei Province, 063299, People's Republic of China ~72: LIU, Yahui;LV, Jingjing;SUN, Jianping;ZHAO,
Zijing~ 33:CN ~31:202110361033.9 ~32:02/04/2021

2021/08880 ~ Complete ~54:HSV-2 DNA VACCINE FOR INTRAMUCOSAL USE AND ITS PREPARATION
METHOD AND APPLICATION ~71:The Fifth People's Hospital of Wuxi, The Fifth People's Hospital of
Wuxi, Affiliated Hospital of Jiangnan University, Guangrui Road, Liangxi District, Wuxi, Jiangsu Province, People's
Republic of China ~72: Yan Yan~

2021/08899 ~ Complete ~54:THERMOPLASTIC COMPOSITE MATERIAL ~71:NABORE GMBH, Marktplatz 25,
Germany ~72: Ewald WILKA~ 33:DE ~31:10 2019 109 954.4 ~32:15/04/2019

2021/08855 ~ Provisional ~54:A CEILING ARRANGEMENT FOR A SUSPENDED CEILING ~71:VAN
IDDEKINGE, Jan Wim, 80 Monument Road, KEMPTON PARK 1620, Gauteng Province, SOUTH AFRICA, South
Africa ~72: VAN IDDEKINGE, Jan Wim~

2021/08886 ~ Complete ~54:A CENTRAL SPLIT NURSING BED ~71:University of Shanghai for Science and
Technology, No.516 Jungong road, Yangpu District, People's Republic of China ~72: Bingshan HU;Hongliu
YU;Hongyu ZHENG;Huarui ZHU;Ke CHENG;Qiaoling MENG~

2021/08891 ~ Complete ~54:WINDLASS TOURNIQUET ~71:TACTICAL MEDICAL SOLUTIONS, LLC, 1250
Harris Bridge Road, United States of America ~72: HESTER, Richard Alan;HUSLEY, Cory S.;JOHNSON, Ross
A.~ 33:US ~31:62/845,051 ~32:08/05/2019

2021/08894 ~ Complete ~54:METHODS OF DIAGNOSIS AND TREATMENT OF RHEUMATOID ARTHRITIS
~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of
America;SANOFI BIOTECHNOLOGY, 54, rue La Boetie, France ~72: BOYAPATI, Anita;MSIHID,
Jérôme;ZILBERSTEIN, Moshe E~ 33:US ~31:62/837,793 ~32:24/04/2019;33:EP ~31:20305193.3
~32:27/02/2020

2021/08864 ~ Complete ~54:LOW DENSITY AND LOW PRESSURE SHEET MOLDING COMPOUND AND
PREPARATION METHOD THEREOF ~71:Wuhan University of Technology, 122 Luoshi Road, Hongshan District,

Wuhan, Hubei, 430070, People's Republic of China ~72: DING, Jie;DONG, Chuang;HUANG, Zhixiong;MEI, Qilin;QIN, Yan;SHI, Minxian;WANG, Yanbing;YANG, Xueyuan~

2021/08875 ~ Complete ~54:ULTRASONIC STEREOSCOPIC IMAGING SCANNING DEVICE
~71:Children's Hospital of Soochow University, No.92,Zhongnan Street,Industrial Park, Suzhou City, Jiangsu Province, People's Republic of China ~72: Chen Junjun;Chen Mimi;Deng Shilin;Guo Zhixiong;Hu Xiaoling;Hua Yanli;Liang Peirong;Ma Lili;Shen Xiaofang;Su Guanghao;Sun Yuhua;Wang Lin;Wang Xiaodong;Wang Zixuan;Yao Feng;Yin Chunhua;Yu Wentao;Zhang Fuyong;Zhang Yiqun;Zhen Yunfang;Zhu Min~

2021/08857 ~ Complete ~54:METHOD FOR DETECTING QUIZALOFOP-P-ETHYL RESIDUAL QUANTITY IN VIGNA UMBELLATA ~71:HEILONGJIANG BAYI AGRICULTURAL UNIVERSITY, NO. 5, XINFENG ROAD, People's Republic of China ~72: CAO, DONGMEI;QU, JIANGLING;TANG, HUACHENG;WANG, WEIHAO~

2021/08906 ~ Complete ~54:AIRCRAFT ENGINE ADAPTER SYSTEM ~71:AERO INNOVATIONS LLC, 7750 East State Road 42, Terre Haute, Indiana, 47803, United States of America ~72: JAMES M MILLS~ 33:US ~31:62/832,655 ~32:11/04/2019

2021/08908 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF A WEAK ACID DRUG AND METHODS OF ADMINISTRATION ~71:Pharmosa Biopharm Inc., 3F-3, No. 66, Sanchong Rd., Nangang Dist., TAIPEI CITY 11560, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHEN, Ko Chieh;KAN, Pei;LIN, Yi Fong~ 33:US ~31:62/847,337 ~32:14/05/2019

2021/08882 ~ Complete ~54:PRIMER SET, RAPID VISUAL FLUORESCENT DETECTION KIT, AND METHOD FOR DETECTING AFRICAN SWINE FEVER VIRUS ~71:Beijing Animal Disease Control Center, No. 19, Xiangrui Street, Biological Medicine Base, Daxing District, Beijing, 102629, People's Republic of China ~72: CHENG, Rujia;DU, Juan;LI, Rui;SONG, Yanjun;WANG, Lin;WEI, Haitao;WU, Di;ZHANG, Qilong~

2021/08885 ~ Complete ~54:VEHICLE OVER-LIMITED EARLY WARNING SYSTEM AND METHOD ~71:ShanDong JiaoTong University, Haitang Road;5001, Changqing District, Jinan City, Shandong Province, People's Republic of China ~72: Zhang Lidong~

2021/08896 ~ Complete ~54:KCNT1 INHIBITORS AND METHODS OF USE ~71:PRAXIS PRECISION MEDICINES, INC., One Broadway, 16th Floor, Cambridge, United States of America ~72: CHARIFSON, Paul, S.;GRIFFIN, Andrew, Mark;KAHLIG, Michael, Kristopher, Mathieu;MARRON, Brian, Edward;MARTINEZ BOTELLA, Gabriel;REDDY, Kiran~ 33:US ~31:62/842,849 ~32:03/05/2019;33:US ~31:62/982,864 ~32:28/02/2020

2021/08897 ~ Complete ~54:KCNT1 INHIBITORS AND METHODS OF USE ~71:PRAXIS PRECISION MEDICINES, INC., One Broadway, 16th Floor, Cambridge, United States of America ~72: CHARIFSON, Paul, S.;GRIFFIN, Andrew, Mark;KAHLIG, Michael, Kristopher, Mathieu;MARRON, Brian, Edward;MARTINEZ BOTELLA, Gabriel;REDDY, Kiran~ 33:US ~31:62/842,855 ~32:03/05/2019;33:US ~31:62/842,858 ~32:03/05/2019;33:US ~31:62/842,861 ~32:03/05/2019;33:US ~31:62/982,858 ~32:28/02/2020

2021/08903 ~ Complete ~54:PEPTIDES AND NANOPARTICLES FOR INTRACELLULAR DELIVERY OF MOLECULES ~71:AADIGEN, LLC, 1343 Luna Vista Drive, Pacific Palisades, California, 90272, United States of America ~72: GILLES DIVITA;NEIL P DESAI~ 33:FR ~31:FR1904115 ~32:17/04/2019

2021/08905 ~ Complete ~54:TAGGED PLANT MATERIAL AND METHOD FOR IDENTIFYING SAME ~71:DOTZ NANO LTD., 2 Granit Street, Petach-Tikva, 4951446, Israel ~72: INNA SASSON;MICHAEL SHTEIN;TANYA DYSHEL;YONI ENGEL;YONIT BOGUSLAVSKY~ 33:IL ~31:266444 ~32:05/05/2019

2021/08907 ~ Complete ~54:COMBINATIONS OF ANTI-ILDR2 ANTIBODIES AND PD-1 ANTAGONISTS
~71:Bayer Aktiengesellschaft, Kaiser-Wilhelm-Allee 1, LEVERKUSEN 51373, GERMANY, Germany;Compugen Ltd., Azrieli Center, 26 Harokmim St., Bldg. D, HOLON 5885849, ISRAEL, Israel ~72: GRITZAN, Uwe;HUNTER, John;LEVY, Ofer;LIANG, Spencer;POW, Andrew;RÖSE, Lars;VAKNIN, Ilan~ 33:US ~31:62/832,320 ~32:11/04/2019

2021/08914 ~ Complete ~54:METHOD FOR PRODUCING POLYOXYMETHYLENE DIMETHYL ETHERS
~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E. V., Hansastrasse 27c, Germany ~72: Achim SCHAADT;Franz M. MANTEI;Mohamed OUDA~ 33:DE ~31:10 2019 207 540.1 ~32:23/05/2019

2021/08865 ~ Complete ~54:IRON SUCROSE INJECTION AND PREPARATION METHOD THEREOF
~71:Shanxi Weiqida Guangming Pharmaceutical Co., Ltd., The First Medical Park, Datong Economic and Technological Development Zone, Datong City, Shanxi Province, 037000, People's Republic of China ~72: CHEN, Jinzhao;CHEN, Liqiong;GUO, Qingshan;HAN, Feiyu;WANG, Zeshan~

2021/08879 ~ Complete ~54:FERMENTED KORLA FRAGRANT PEAR FRUIT VINEGAR BEVERAGE AND PREPARATION METHOD THEREOF ~71:Tarim University, No.1188 Junken Avenue, Alar city, Xinjiang Uygur Autonomous Region, People's Republic of China ~72: Lan Haipeng;Liu Yang;Ma Jiale;Tang Yurong;Zhang Yongcheng~

2021/08892 ~ Complete ~54:DISPENSER FOR DISPENSING WEB MATERIAL FROM A ROLL ~71:ESSITY HYGIENE AND HEALTH AKTIEBOLAG, 405 03, Sweden ~72: BENGTSSON, Mattias;ENMALM, Johanna;GANDEMO, Tomas;JOHANSSON, Martina;KULLMAN, Marcus~ 33:WO ~31:PCT/EP2019/068083 ~32:05/07/2019

2021/08895 ~ Complete ~54:USE OF BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND MUC16 AND CD3 IN COMBINATION WITH 4-1BB CO-STIMULATION ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CHIU, Danica;CRAWFORD, Alison;KIRSHNER, Jessica, R.~ 33:US ~31:62/864,960 ~32:21/06/2019

2021/08858 ~ Complete ~54:COMPOSITIONS FOR THERAPY AND HEALTH CONTAINING AMINO ACIDS WITH BITTER TASTE ~71:AXCELLA HEALTH INC., 840 Memorial Drive, 3rd Floor, Cambridge, Massachusetts, 02139, United States of America ~72: ANDREW M WOOD;THOMAS HANLON~ 33:US ~31:62/687,715 ~32:20/06/2018

2021/08862 ~ Complete ~54:SEISMIC-WHILE-DRILLING MULTI-CHANNEL CONTINUOUS ACQUISITION SYSTEM, DATA STORAGE AND DATA PROCESSING METHOD THEREOF ~71:Ocean University of China, No.238 Songling Road, Laoshan District, Qingdao City, Shandong Province, 266100, People's Republic of China;Sinopec Chongqing Fuling Shale Gas Exploration and Development Co., Ltd., No. 6, Hefeng Avenue, Xincheng District, Fuling District, Chongqing, People's Republic of China ~72: LI, Qianqian;LIU, Hongwei;LIU, Huaishan;WAN, Yunqiang;XING, Lei;XU, Xiang;YE, Xin~ 33:CN ~31:202110963944.9 ~32:21/08/2021

2021/08853 ~ Provisional ~54:TREATMENT OF TINNITUS ~71:COETZEE, Cornelis Jacobus, Unit 4B The Ridge Office Park, Off Corner Doordekraal and Durban Roads, South Africa ~72: COETZEE, Cornelis Jacobus~

2021/08870 ~ Complete ~54:INSPECTION ROBOT AND METHOD FOR MEASURING ROAD SURFACE FLATNESS ~71:Shandong Hi-Speed Construction Management Group CO.LTD., Floor 5-9, Block A1, Haier Greentown Central Plaza, No.0 Long Ding Avenue, Longdong Street, Lixia District, Jinan City, Shandong Province, People's Republic of China;Shandong University, C315, Expressway Building, Xinglongshan Campus,

Shandong University, No.12550 Erhuan East Road, Shizhong District, Jinan City, Shandong Province, People's Republic of China ~72: Han Wen;Li Tao;Li ZhouYuan;Liu Shijie;Sun Zhiping;Wang Guan;Wu Jianqing;Yu Miao~

- APPLIED ON 2021/11/11 -

2021/08919 ~ Complete ~54:PROPAGATION METHOD OF HELLEBORUS HYBRIDUS ~71:Hangzhou Landscaping Incorporated, No. 226 Kaixuan Road, Jianggan District, Hangzhou City, Zhejiang Province, 310016, People's Republic of China;Zhejiang Institute of Landscape Plants and Flowers, No. 508, Wangcun, Linpu Town, Xiaoshan District, Hangzhou City, Zhejiang Province, 311251, People's Republic of China ~72: FAN, Jing;MA, Guangying;MAO, Lihui;SHI, Xiaohua;ZHANG, Junlin~

2021/08958 ~ Complete ~54:TRICYCLIC COMPOUNDS ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: VENDEVILLE, Sandrine~ 33:US ~31:62/854,597 ~32:30/05/2019

2021/08967 ~ Complete ~54:DYNAMIZATION TABS PROVIDING COMPONENT INTERCONNECTIVITY FOR EXTERNAL FIXATION DEVICES ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy;TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, 2222 Welborn Street, United States of America ~72: CHERKASHIN, Alexander M.;OTTOBONI, Andrea;ROSS, John D.;SAMCHUKOV, Mikhail L.;STANDEFER, Karen D.;VENTURINI, Daniele~ 33:US ~31:16/448,794 ~32:21/06/2019

2021/08926 ~ Complete ~54:WAVE-DRIVEN PROFILER ~71:Ocean University of China, No.238, Songling Road, Laoshan District, Qingdao, Shandong, 266100, People's Republic of China ~72: CHEN, Ge;JIN, Pingping;MA, Chunyong;YANG, Jie~

2021/08927 ~ Complete ~54:LACTOBACILLUS CASEI (L. CASEI) 21 WITH THERAPEUTIC EFFECT ON DIARRHEA, AND USE THEREOF ~71:Shandong Zhongke-Jiayi Bioengineering Co.,Ltd, No. 9777 Qiwan Road, Qingzhou City, Weifang City, Shandong, 262500, People's Republic of China ~72: Chuan SUN;Cuihua LI;Jianliang HOU;Shicheng PAN;Shufeng SI;Weichao CAO;Wenhao ZHOU;Yulin PAN~

2021/08932 ~ Complete ~54:AUTOMATIC DISPENSING DEVICE FOR NASOPHARYNGEAL SWABS FOR DETECTING COVID-19 ~71:The Fifth People's Hospital of Wuxi, The Fifth People's Hospital of Wuxi, Affiliated Hospital of Jiangnan University, NO. 1215, Guangrui Road, Liangxi District, Wuxi, Jiangsu Province, People's Republic of China ~72: Yan Yan~

2021/08951 ~ Complete ~54:COMPOUNDS FOR TREATING HUNTINGTON'S DISEASE ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: ANTHONY R MAZZOTTI;ANTHONY TURPOFF;ANURADHA BHATTACHARYYA;CHRISTIE MORRILL;GANG WANG;GARY MITCHELL KARP;HONGYU REN;JANA NARASIMHAN;JIGAR S PATEL;LUKIANA AMEDZO;MATTHEW G WOLL;MD RAUFUL ALAM;MICHAEL A ARNOLD;NADIYA SYDORENKO;NANJING ZHANG;NATHANIEL T KENTON;NICHOLAS WALTER MSZAR;SURESH BABU;TOM TUAN LUONG;XIAOYAN ZHANG;YOUNG-CHOON MOON~ 33:US ~31:62/846,896 ~32:13/05/2019

2021/08924 ~ Complete ~54:CHINESE MEDICINAL COMPOSITION FOR PREVENTING AND TREATING OSTEOPOROSIS AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Luoyang Orthopedic-Traumatological Hospital of Henan Province (Henan Provincial Orthopedic Hospital), No.82, Qiming South Road, Luoyang, Henan Province, People's Republic of China ~72: Li Jitian;Qin Na;Wei Liwei;Zhang Hong;Zheng Xuxia~

2021/08934 ~ Complete ~54:TUMOR AIDED DIAGNOSIS SYSTEM BASED ON ARTIFICIAL INTELLIGENCE ~71:Guangdong Medical University, No. 1 Xincheng Road, Songshan Lake District, Dongguan 523808,

Guangdong Province, People's Republic of China ~72: Jie Ding;Longji Wu;Wenjing Pei;Xia Kong;Xin Liang;Zhiwei He~

2021/08939 ~ Complete ~54:ANTI-PCRV ANTIBODIES THAT BIND PCRV, COMPOSITIONS COMPRISING ANTI-PCRV ANTIBODIES, AND METHODS OF USE THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: COPPI, Alida;KYRATSOUS, Christos~ 33:US ~31:62/860,146 ~32:11/06/2019

2021/08947 ~ Complete ~54:EDIBLE COATING COMPOSITION FOR COATING FRESH HARVEST PRODUCTS ~71:LIQUIDSEAL HOLDING B.V., Schuttersveld 9, 2316 XG, Leiden, Netherlands ~72: EUGENE ROBERT VAN DEN BERG;GLENN GARETH GROENEWEGEN;VICTOR STEVEN MONSTER~ 33:EP ~31:19172838.5 ~32:06/05/2019

2021/08949 ~ Complete ~54:SEED ORIENTATION SYSTEM FOR AGRICULTURAL PLANTERS ~71:MK1 ENGINEERING LLC, 69570 305th Street, Litchfield, Minnesota, 55355, United States of America ~72: KEITH T STRANG;MITCHELL R DILLE~ 33:US ~31:62/845,093 ~32:08/05/2019;33:US ~31:62/885,965 ~32:13/08/2019

2021/08964 ~ Complete ~54:GUIDING MEMBER, MECHANICAL SYSTEM COMPRISING SUCH A GUIDING MEMBER, AND METHOD FOR PRODUCING SUCH A GUIDING MEMBER ~71:HYDROMECHANIQUE ET FROTTEMENT, 69 Avenue Benoît Fourneyron, France ~72: PAVALLIER, Pierrick;PROST, Fabrice~ 33:FR ~31:1905390 ~32:22/05/2019

2021/08954 ~ Complete ~54:MULTI-CHANNEL FCR: METHOD AND SYSTEM FOR PROVIDING CONTROL POWER FOR CONTROLLING A NETWORK FREQUENCY OF A POWER NETWORK AND POWER NETWORK ~71:TRIMET Aluminium SE, Aluminiumallee 1, ESSEN 45356, GERMANY, Germany ~72: HAUCK, Heribert~ 33:EP ~31:19174037.2 ~32:13/05/2019

2021/08961 ~ Complete ~54:AEROSOL GENERATION ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, GREATER LONDON, UNITED KINGDOM, United Kingdom ~72: BROOKBANK, Aaron~ 33:GB ~31:1907702.3 ~32:30/05/2019

2021/08965 ~ Complete ~54:CHEMICAL COMPOSITION FOR SEED TREATMENT ~71:YARA UK LIMITED, Harvest House, Origin Way, United Kingdom ~72: BROWN, Jonathan;QUIGNON, Caroline;WARD, Stuart~ 33:GB ~31:1908025.8 ~32:05/06/2019

2021/08968 ~ Complete ~54:ROTARY KILN SEALING SYSTEM AND ROTARY KILN EQUIPMENT ~71:HENAN LONGCHENG COAL HIGH EFFICIENCY TECHNOLOGY APPLICATION CO., LTD., Industry Cluster District, Hongshiqiao Village, Huiche Town, Xixia County, People's Republic of China ~72: LI, Fang;LI, Jinfeng;LV, Yanwu;WANG, Xibin;WANG, Yongxing;ZHU, Shucheng~ 33:CN ~31:202010253033.2 ~32:01/04/2020

2021/08925 ~ Complete ~54:FETAL MACROSOMIA-RELATED MIRNA MARKER AND USE THEREOF ~71:Nanjing Medical University, 101 Longmian Avenue, Jiangning District, Nanjing, Jiangsu, 211166, People's Republic of China ~72: CHEN, Liping;CHEN, Minjian;JIANG, Hua;LU, Chunheng;LU, Yiwen;TANG, Qiuqin;WU, Wei;XIA, Yankai~

2021/08918 ~ Complete ~54:PREPARATION METHOD OF HIGH TEMPERATURE CORUNDUM MULLITE CRUCIBLE ~71:Shandong Mingte Ceramic Material Co., LTD, Mingji Development Zone, Zouping County, Binzhou City, Shandong Province, 256600, People's Republic of China ~72: Cai Wei;Cai Yankun;Li Mingjing;Sun Huayun;Yin Peiru;Zhang Xin~

2021/08938 ~ Complete ~54:A METHOD FOR MANUFACTURING AN ASSEMBLY ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Astrid PERLADE;Celine MUSIK;Christine KACZYNSKI;Rami CAVALLOTTI;Yacine BENLATRECHE~ 33:IB ~31:PCT/IB2019/054667 ~32:05/06/2019

2021/08957 ~ Complete ~54:HERBICIDAL COMPOUNDS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: MATHEWS, Christopher John;WHITTINGHAM, William Guy;WILLIAMS, John~ 33:GB ~31:1907602.5 ~32:29/05/2019;33:GB ~31:1914260.3 ~32:03/10/2019;33:GB ~31:2002209.1 ~32:18/02/2020

2021/08966 ~ Complete ~54:QUICK ATTACHMENT CLAMP FOR EXTERNAL FIXATION SYSTEMS ~71:ORTHOFIX S.R.L., Via delle Nazioni, 9, Italy ~72: OTTOBONI, Andrea;VENTURINI, Daniele;ZANDONA, Enrico~ 33:IT ~31:102019000007314 ~32:27/05/2019

2021/08936 ~ Complete ~54:SOLID FORMS OF {6-[(2-AMINO-3-CHLOROPYRIDIN-4-YL)SULFANYL]-3-[(3S,4S)-4-AMINO-3-METHYL-2-OXA-8-AZASPIRO[4.5]DECAN-8-YL]- ~71:REVOLUTION MEDICINES, INC., 700 Saginaw Drive, Redwood City, United States of America ~72: BALLMER, Steven, G.;LI, Shaoling~ 33:US ~31:62/858,837 ~32:07/06/2019

2021/08943 ~ Complete ~54:FOLDABLE ELECTRONIC DEVICE INCLUDING DISPLAY PROTECTION STRUCTURE ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: CHIJOON KIM;DAEYOUNG KIM;DOORYONG KIM;HYOSANG AN;HYUNGGEUN LEE;JONGMIN KANG;JUNGWON PARK;JUNYOUNG CHOI;SEUNGJUN LEE;SEUNGWHEE CHOI;SUNGHUN KIM;YONGHEE JANG~ 33:KR ~31:10-2019-0064849 ~32:31/05/2019;33:KR ~31:10-2019-0087535 ~32:19/07/2019

2021/08941 ~ Complete ~54:HELICAL ANTENNA ~71:POYNTING ANTENNAS (PTY) LIMITED, Unit 4, N1 Industrial Park, Landmarks Avenue, South Africa ~72: FOURIE, Andries Petrus Cronje;NITCH, Derek, Colin~ 33:ZA ~31:2019/04391 ~32:04/07/2019

2021/08963 ~ Complete ~54:GROUND ENGAGING TOOL MONITORING SYSTEM ~71:CATERPILLAR INC., 100 NE Adams Street, Peoria, United States of America ~72: FINCH, Nolan S.;PLOUZEK, John M.;VLAMINCK, Mitchell C.~ 33:US ~31:16/412,553 ~32:15/05/2019

2021/08995 ~ Complete ~54:DEVICE SUITABLE FOR DISPENSING LIQUID SUBSTANCES ~71:BRILL ENGINES, S.L., Carrer Munner, 10, Spain ~72: BUISAN FERRER, Josep;NIETO CAVIA, Laura~ 33:EP ~31:19382382.0 ~32:16/05/2019

2021/08923 ~ Complete ~54:PREPARATION METHOD OF ZINC OXIDE/ZINC GERMANATE-COPPER NANOCOMPOSITE PHOTOCATALYST AND ITS APPLICATION ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Du Yunmei;Geng Yanling;Hou Zhenfei;Li Bin;Wang Lei;Zhang Yaping~

2021/08928 ~ Complete ~54:GRAVITY TRACTION BRACE FOR UPPER LIMBS ~71:Children's Hospital of Soochow University, No.92, Zhongnan Street, Industrial Park, Suzhou City, Jiangsu Province, People's Republic of China ~72: Chen Mimi;Fang Jianfeng;Hu Xiaoling;Li Mengxia;Liang Peirong;Lin Juanjuan;Liu Ya;Qiao Yi;Shan Binbin;Su Guanghao;Wang Xiaodong;Wang Zixuan;Xu Mengting;Yao Feng;Yuan Quanwen;Zhang Fuyong;Zhang Zheng;Zhao Kai;Zhen Yunfang;Zhu Li;Zhu Zhenhua~

2021/08937 ~ Complete ~54:ANTI-ANGPT2 ANTIBODIES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany ~72: BOUYSSOU, Thierry;DZIEGELEWSKI, Michael;FRYER, Ryan, Michael;GUPTA, Pankaj;NICKLIN, Paul;ZHENG, Chao~ 33:US ~31:62/867,253 ~32:27/06/2019;33:US ~31:63/013,022 ~32:21/04/2020

2021/08930 ~ Complete ~54:PREPARATION METHOD OF WO₃/ZN₂GEO₄ NON-NOBLE METAL BIMETALLIC OXIDE PHOTOCATALYST, AND ITS APPLICATION. ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Du Yunmei;Geng Yanling;Hou Zhenfei;Li Bin;Wang Lei;Zhang Yaping~

2021/08935 ~ Complete ~54:JAK INHIBITORS ~71:VIMALAN BIOSCIENCES, INC., 662 Encinitas Blvd., Suite 250, Encinitas, United States of America ~72: HARRIS, Jason;MOHAN, Raju;NUSS, John;YUAN, Shendong~ 33:US ~31:62/845,119 ~32:08/05/2019;33:US ~31:62/884,588 ~32:08/08/2019

2021/08933 ~ Complete ~54:PLANET SCREW EXTRUDER FOR PROCESSING PVC MATERIAL ~71:Qingdao University of Science and Technology, No.99 Songling , Laoshan district, Qingdao , shandong, People's Republic of China ~72: Bai Yang;Fu Ping;Wu Junfei;Wu Siyang;Yang Mingfei;Zhou Yuting~

2021/08960 ~ Complete ~54:HETEROBICYCLIC INHIBITORS OF MAT2A AND METHODS OF USE FOR TREATING CANCER ~71:Les Laboratoires Servier, 50 rue Carnot, SURESNES CEDEX 92284, FRANCE, France ~72: KONTEATIS, Zenon D.;LI, Mingzong;REZNIK, Samuel K.;SUI, Zhihua;TRAVINS, Jeremy M.~ 33:US ~31:62/855,395 ~32:31/05/2019

2021/08953 ~ Complete ~54:PROCESS AND APPARATUS FOR CRACKING HYDROCARBON GASES ~71:Synhelion AG, Via Cantonale 19, LUGANO 6900, SWITZERLAND, Switzerland ~72: AMBROSETTI, Gianluca;GEISSBÜHLER, Lukas;GOOD, Philipp~ 33:CH ~31:00506/19 ~32:12/04/2019;33:CH ~31:01407/19 ~32:07/11/2019

2021/08962 ~ Complete ~54:COMPOSITION AND METHOD OF TREATING BACTERIAL AND VIRAL PATHOGENS IN PLANTS ~71:Greening Be Gone, LLC, 242 Hillcrest Drive, FREDERICKSBURG 22401, VA, USA, United States of America ~72: EVELAND, Winsor Gebhard;FOTOPOULOS, Vasilios Peter~ 33:US ~31:62/874,555 ~32:16/07/2019

2021/08921 ~ Complete ~54:METHOD FOR IDENTIFYING FRESHNESS OF SQUID BASED ON COLOR SPACE TRANSFORM AND PIXEL CLUSTERING ~71:Zhejiang Academy of Agricultural Sciences, 198 Shiqiao Road, Shangcheng District, Hangzhou City, Zhejiang Province , 310000, People's Republic of China ~72: CHEN, Wenxuan;HU, Jun;ZHAO, Dandan;ZHOU, Chengquan~

2021/08952 ~ Complete ~54:MEMBER FOR GUIDING A MOBILE ELEMENT IN OSCILLATION OR ROTATION ~71:HYDROMECHANIQUE ET FROTTEMENT, 69 Avenue Benoît Fourneyron, France ~72: PAVALLIER, Pierrick;PROST, Fabrice~ 33:FR ~31:1905386 ~32:22/05/2019

2021/08917 ~ Complete ~54:SYSTEM FOR WARNING CONSTRUCTION PERSONNEL AND USING METHOD THEREOF ~71:SHANDONG HI-SPEED CONSTRUCTION MANAGEMENT GROUP CO., LTD, 5-9th Floor, Block A1, Haier Greentown Central Plaza, No. 0, Longding Avenue, Longdong Street, Lixia District, Jinan City, Shandong Province, 250014, People's Republic of China;Shandong University, Xinglongshan Campus, Shandong University, No. 12550, Second Ring East Road, Shizhong District, Jinan, 250061, People's Republic of China ~72: HOU, Fujin;JIANG, Qing;LI, Liping;LI, Tao;LIU, Shijie;LV, Chen;PI, Rendong;WU, Jianqing;YAN, Zongyao;YANG, Ziliang~ 33:CN ~31:202110479058.9 ~32:30/04/2021

2021/08931 ~ Complete ~54:PREPARATION METHOD OF BIMETALLIC NANO PHOSPHATE BASED ON METAL-ORGANIC FRAMEWORKS AND ITS APPLICATION ~71:Qingdao University of Science and Technology, 53 Zhengzhou Road Qingdao University of Science and Technology, Shibei District, Qingdao City, Shandong Province, People's Republic of China ~72: Du Yunmei;Li Bin;Wang Lei;Xiao Zhenyu;Zhang Jiaxin;Zhang Yaping~

2021/08948 ~ Complete ~54:SELF-STACKING SPIRAL BELT CONVEYOR WITH SMOOTH DIAMETER REDUCTION ~71:LAITRAM, L.L.C., 200 Laitram Lane, Harahan, Louisiana, 70123, United States of America ~72: CASPER FEDDE TALSMAN~ 33:US ~31:62/857,350 ~32:05/06/2019

2021/08959 ~ Complete ~54:ANTIGEN SPECIFIC CD19-TARGETED CAR-T CELLS ~71:Atara Biotherapeutics, Inc., 611 Gateway Blvd., Suite 900, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: AFTAB, Blake T.~ 33:US ~31:62/840,774 ~32:30/04/2019

2021/08920 ~ Complete ~54:CONSTRUCTION METHOD OF STEEL FIBER CONCRETE MODEL BASED ON CT SCANNING ~71:China University of Mining and Technology, No.1, Daxue Road, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Huang Jiahui;Yang Weihao;Yao Wenjie~

2021/08929 ~ Complete ~54:METHOD FOR REQUEST SCHEDULING IN UAV-ASSISTED MOBILE EDGE COMPUTING (MEC) NETWORK ~71:Dalian University of Technology, Dalian University of Technology, No.321, Tuqiang Street, Economic and Technological Development Zone, Dalian City, Liaoning Province, 116621, People's Republic of China ~72: QIAO, Haiyang;XIA, Qiufen;XU, Zichuan~ 33:CN ~31:202110629979.9 ~32:07/06/2021

2021/08946 ~ Complete ~54:CRUSHING DEVICE ~71:METSO OUTOTEC USA INC., 20965 Crossroads Circle, Waukesha, Wisconsin, 53186, United States of America ~72: KEITH HARBOLD;VADIM REZNITCHENKO~

2021/08945 ~ Complete ~54:CRUSHING DEVICE ~71:METSO OUTOTEC USA INC., 20965 Crossroads Circle, Waukesha, Wisconsin, 53186, United States of America ~72: KEITH HARBOLD;VADIM REZNITCHENKO~

2021/08950 ~ Complete ~54:OXYMETAZOLINE COMPOSITIONS AND METHODS FOR TREATING OCULAR DISORDERS ~71:RVL PHARMACEUTICALS, INC., 400 Crossing Boulevard, Bridgewater, New Jersey, 08807, United States of America ~72: DAVID JACOBS;TINA DEVRIES~ 33:US ~31:62/843,819 ~32:06/05/2019;33:US ~31:62/844,069 ~32:06/05/2019;33:US ~31:16/715,998 ~32:16/12/2019;33:US ~31:16/716,014 ~32:16/12/2019

2021/08940 ~ Complete ~54:METHODS FOR PRODUCTION OF STRICTOSIDINE AGLYCONE AND MONOTERPENOID INDOLE ALKALOIDS ~71:DANMARKS TEKNISKE UNIVERSITET, Anker Engelunds Vej 101 A, Denmark ~72: HANSEN, Lea Gram;JENSEN, Michael Krogh;KEASLING, Jay D.;ZHANG, Jie~ 33:US ~31:62/846,820 ~32:13/05/2019;33:EP ~31:19175969.5 ~32:22/05/2019

2021/08922 ~ Complete ~54:LOCKING MECHANISM ~71:GUNNEBO SOUTH AFRICA (PTY) LIMITED, Grand Prix Park - Unit 7, Cnr Van Riebeeck and Silverstone Street, Gosforth Park, South Africa ~72: SMITH, David John~

2021/08956 ~ Complete ~54:DEVICE AND METHOD FOR MEASURING DEFORMATION IN METALLIC BARS ~71:ThingWave AB, R&Dmansvägen 36, GAMMELSTAD 954 32, SWEDEN, Sweden ~72: ELIASSON, Jens~ 33:SE ~31:1950575-9 ~32:15/05/2019

2021/08944 ~ Complete ~54:MONITORING METHOD FOR AN APPLICATION PLANT AND CORRESPONDING APPLICATION PLANT ~71:DÜRR SYSTEMS AG, Carl-Benz-Straße 34, 74321, Bietigheim-

Bissingen, Germany ~72: PAUL THOMAS; TOBIAS WINTER~ 33:DE ~31:10 2019 112 099.3
~32:09/05/2019

2021/08942 ~ Complete ~54: WIRELESS DETONATOR ASSEMBLY ~71: DETNET SOUTH AFRICA (PTY) LTD,
AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: LIEBENBERG, Abraham
Johannes; MEYER, Tielman Christiaan; MULLER, Elmar Lennox~ 33:NA ~31:NA/P/2020/0010 ~32:29/04/2020

2021/08955 ~ Complete ~54: FLYWHEEL ENERGY STORAGE DEVICE ~71: KineticCore Solutions LLC, 2408
McKenzie Drive, LOVELAND 80537, CO, USA, United States of America ~72: CLEGERN, James B.~ 33:US
~31:62/857,088 ~32:04/06/2019

- APPLIED ON 2021/11/12 -

2021/08972 ~ Complete ~54: WATER-SAVING IRRIGATION SYSTEM FOR FRUIT TREES AND APPLICATION
THEREOF ~71: Shandong Academy of Grape, No. 1-27 Shanda South Road, Jinan City, Shandong Province,
People's Republic of China; Shandong Institute of Pomology, No.66 Longtan Road, Tai'an City, Shandong
Province, People's Republic of China ~72: Huang Jian; Pei Guangying; Tang Changxin; Tang Haixia; Wang
Zhongtang; Yin Yanlei~

2021/08977 ~ Complete ~54: PRIMARY PROCESSING METHOD OF ANEMARRHENAE ~71: ANHUI
SHENGHAITANG PHARMACEUTICAL CO., LTD, No. 211, Zhangliang Road, Qiaocheng District, Bozhou City,
Anhui Province, 236800, People's Republic of China ~72: CHEN, Zihai; TANG, Chao; TANG, Jie; TANG, Tao~

2021/09009 ~ Complete ~54: METHODS AND COMPOSITIONS COMPRISING STAPHYLOCOCCUS PROTEIN
A (SPA) VARIANTS ~71: The University of Chicago, 5801 South Ellis Avenue, CHICAGO 60637, IL, USA, United
States of America ~72: CHEN, Xinhai; KIM, Hwan Keun; MISSIAKAS, Dominique; SCHNEEWIND, Olaf; SHI,
Miaomiao; SUN, Yan~ 33:US ~31:62/847,832 ~32:14/05/2019

2021/08985 ~ Complete ~54: PREPARATION METHOD OF 2-METHYLQUINOLINE ~71: Linyi University, Science
and Technology Department of Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City,
Shandong Province, 276000, People's Republic of China ~72: CONG, Wenxia; LI, Jixing~

2021/09016 ~ Complete ~54: FULLY-HUMAN POST-TRANSLATIONALLY MODIFIED ANTIBODY
THERAPEUTICS ~71: REGENXBIO INC., 9600 Blackwell Road, Suite 210, Rockville, Maryland, 20850, United
States of America ~72: CHUNPING QIAO; DEVIN MCDOUGALD; FRANZ GERNER; JOSEPH BRUDER; JUSTIN
GLENN; OLIVIER DANOS; SHERRI VAN EVEREN; XU WANG; YE LIU; ZUCHUN WU~ 33:US ~31:62/838,165
~32:24/04/2019; 33:US ~31:62/967,472 ~32:29/01/2020

2021/09002 ~ Complete ~54: CANCER TREATMENT ~71: NeoTX Therapeutics Ltd., 2 Pekeris Street, REHOVOT
7670202, ISRAEL, Israel ~72: AZULAY, Meir; NATHAN, Asher; SHAHAR, Michal~ 33:US ~31:62/848,518
~32:15/05/2019

2021/09005 ~ Complete ~54: OXALAMIDO-SUBSTITUTED TRICYCLIC INHIBITORS OF HEPATITIS B VIRUS
~71: IRBM S.p.A., Via Pontina Km 30,600, POMEZIA 00071, ITALY, Italy; Istituto Nazionale di Genetica
Molecolare - INGM, Via Francesco Sforza, 35, MILANO 20122, ITALY, Italy; Ospedale San Raffaele S.r.l., Via
Olgettina, 60, MILANO 20132, ITALY, Italy; Promidis S.r.l., Via Olgettina, 60, MILANO 20132, ITALY, Italy ~72: DE
FRANCESCO, Raffaele; DE MATTEO, Marilena; DI FABIO, Romano; DONNICI, Lorena; FERRANTE,
Luca; GORNATI, Davide; GRILLO, Alessandro; GUIDOTTI, Luca; IANNAcone, Matteo; IVANOVA BENCHEVA,
Leda; PRANDI, Adolfo; RANDAZZO, Pietro; SUMMA, Vincenzo~ 33:EP ~31:19176238.4 ~32:23/05/2019; 33:EP
~31:19211249.8 ~32:25/11/2019

2021/08998 ~ Complete ~54:DEVICE AND METHOD FOR IDENTIFICATION OF A TARGET REGION
~71:Milestone Scientific Inc., 425 Eagle Rock Ave, ROSELAND 07068, NJ, USA, United States of America ~72:
BUCK, Richard K.;HOCHMAN, Mark N.~ 33:US ~31:16/414,499 ~32:16/05/2019

2021/09019 ~ Complete ~54:SIZING COMPOSITIONS FOR GLASS FIBER DIRECT ROVING FOR
PRODUCING MULTIAXIAL FABRICS, AND PREPARATION METHODS AND APPLICATIONS THEREOF
~71:JUSHI GROUP CO., LTD., Jushi Science & Technology Building, 669 Wenhua Road (South), Tongxiang
Economic Development Zone, Tongxiang City, Zhejiang, 314500, People's Republic of China ~72: BILONG
DAI;FENGLIN YE;HONGYA ZHOU;JUAN LIU;QIFENG FEI~ 33:CN ~31:202010507676.5 ~32:05/06/2020

2021/08980 ~ Complete ~54:PREPARATION METHOD OF AG/AGCL/IL/FeOOH/AC PHOTOCATALYTIC
MATERIAL AND ITS APPLICATION ~71:Zhou Yao, Zhengzhou Road 53#, Shibei District, Qingdao, Shan Dong
Province, People's Republic of China ~72: Liu Fusheng;Song Xiuyan;Zhou Yao~

2021/08988 ~ Complete ~54:BALLISTIC-RESISTANT ARTICLE BASED ON FILMS PROVIDED WITH MATRIX
~71:Teijin Aramid B.V., Velperweg 76, ARNHEM 6824 BM, THE NETHERLANDS, Netherlands ~72: CALIS,
Ruben;WILBERS, Dennis~ 33:EP ~31:19153440.3 ~32:24/01/2019

2021/09011 ~ Complete ~54:STABLE FORMULATIONS OF RECOMBINANT PROTEINS ~71:UNICHEM
LABORATORIES LTD, Unichem Bhavan, Prabhat Estate, Off. S.v. Road, Jogeshwari (West), Mumbai, India ~72:
JAIN, Anupam;MISHRA, Vivek;PADHI, Bijay;SATHE, Dhananjay~ 33:IN ~31:201921027358 ~32:09/07/2019

2021/08993 ~ Complete ~54:METHOD FOR CLASSIFICATION DESIGN OF SOIL-ROCK FOUNDATION PIT
SUPPORT BASED ON DEPTH AND BURIED DEPTH OF MODERATELY WEATHERED ROCK
~71:SHANDONG UNIVERSITY, No. 17923, Jingshi Road, Lixia District, Shandong, People's Republic of China
~72: CHEN, Jiakai;GUO, Longde;HAN, Zhixiao;HOU, Yingxue;LI, Lianxiang;LI, Shengqun;LI, Xiudong;ZHAO,
Shilei~ 33:CN ~31:202110285327.8 ~32:17/03/2021

2021/08994 ~ Complete ~54:PERMANENT SUPPORT STRUCTURE COMBINING ANTI FLOATING ANCHOR
ROD AND UNDERGROUND HORIZONTAL STRUCTURE AND CONSTRUCTION METHOD THEREOF
~71:SHANDONG UNIVERSITY, No. 17923, Jingshi Road, Lixia District, Shandong, People's Republic of China
~72: GUO, Longde;HAN, Zhixiao;HOU, Yingxue;LI, Lianxiang;LI, Shengqun;PAN, Yupo;SU, Baiji;ZHAO, Shilei~

2021/09021 ~ Complete ~54:APPARATUS AND METHODS FOR THE MANUFACTURE OF SYNTHETIC
DIAMONDS ~71:GULL CORPORATION LTD, Netpark Incubator, Thomas Wright Way, United Kingdom ~72:
GIBSON, Gary~ 33:GB ~31:1907655.3 ~32:30/05/2019

2021/09052 ~ Complete ~54:CHARACTERIZATION OF DOMAIN-SPECIFIC CHARGE VARIANTS OF
ANTIBODIES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United
States of America ~72: LIU, Sophia;NGUYEN, Jennifer;PYLES, Erica;ROSCONI, Michael~ 33:US
~31:62/852,220 ~32:23/05/2019

2021/08969 ~ Provisional ~54:METHOD OF PREPARING A WINE BLENDED WITH HONEY ~71:GM GLOBAL
(CHINA) LIMITED, Unit 604, 6/F Block A, Wingkut Industrial Building, 608 Castle Peak Road, Hong Kong;MIC
INDUSTRIES (PTY) LTD, No 6 Feiling Street, Island View, Western Cape, South Africa ~72: FRITH, Colin~

2021/08975 ~ Complete ~54:RV-TYPE GEAR RETARDER FOR SUBMERSIBLE SCREW PUMP ~71:Qingdao
University of Science and Technology, No.99 Songling Rd, Laoshan district, Qingdao, Shandong, People's
Republic of China ~72: Bai Yang;Bi Jie;Fu Ping;Wu Junfei;Wu Siyang;Zhou Yuting~

2021/09006 ~ Complete ~54:UBE3A GENES AND EXPRESSION CASSETTES AND THEIR USE ~71:The University of North Carolina at Chapel Hill, 109 Church Street, CHAPEL HILL 27516, NC, USA, United States of America ~72: GRAY, Steven James;JUDSON, Matthew;PHILPOT, Benjamin David;SHYNG, Charles~ 33:US ~31:62/851,411 ~32:22/05/2019

2021/09014 ~ Complete ~54:ANTENNA AND ELECTRONIC DEVICE INCLUDING THE SAME ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: KYUNGHOON MOON;NAMWOO KIM;SEONGBEOM HONG;SEUNGGIL JEON;YUNBUM LEE~ 33:KR ~31:10-2019-0056592 ~32:14/05/2019;33:KR ~31:10-2020-0031173 ~32:13/03/2020

2021/09049 ~ Complete ~54:EXPRESSION OF ANTIGEN-BINDING PROTEINS IN THE NERVOUS SYSTEM ~71:SANOFI, 54 rue La Boëtie, France ~72: ELMER, Bradford;NABEL, Gary;YANG, Zhi-Yong~ 33:US ~31:62/848,659 ~32:16/05/2019;33:EP ~31:19306310.4 ~32:08/10/2019

2021/09022 ~ Complete ~54:METHOD FOR OBTAINING LOW-MOLECULAR-WEIGHT HEPARINS BY MEANS OF TANGENTIAL FLOW FILTRATION ~71:LABORATORIOS FARMACUTICOS ROVI, S.A., Julián Camarillo, 35 E-28037, Spain ~72: FRANCO RODRIGUEZ, Guillermo;GUTIERRO ADURIZ, Ibon~ 33:ES ~31:P201930373 ~32:26/04/2019;33:CN ~31:202010078241.3 ~32:23/01/2020

2021/08976 ~ Complete ~54:PRODUCTION AND PROCESSING METHOD OF GENUINE MEDICINAL MATERIAL WHITE PEONY ROOT FOR REDUCING THE LOSS OF COMPONENT PAEONIFLORIN ~71:ANHUI SHENGHAITANG PHARMACEUTICAL CO., LTD, No. 211, Zhangliang Road, Qiaocheng District, Bozhou City, Anhui Province, 236800, People's Republic of China ~72: CHEN, Zihai;TANG, Chao;TANG, Jie;TANG, Tao~

2021/09010 ~ Complete ~54:COMPOUNDS AND METHODS FOR THE TREATMENT OF COVID-19 ~71:Pfizer Inc., 235 East 42nd Street, NEW YORK 10017, NY, USA, United States of America ~72: BEZAWADA, Padmavani;HAWKING, Emma Louise;HOFFMAN, Robert Louis;JAINI, Rohit;KANIA, Robert Steven;KULKARNI, Samir;LILLIS, Jonathan Richard;LUTHRA, Suman;O'BRIEN LARAMY, Matthew Nathan;OWEN, Dafydd Rhys;PENICHEVA, Klimentina Dimitrova;PETTERSSON, Martin Youngjin;RANE, Anil Mahadeo;SAMMONS, Matthew Forrest;SULLIVAN, Bradley Paul;THIEL, Andrew John;TICEHURST, Martyn David;TUTTLE, Jamison Bryce~ 33:US ~31:63/005,407 ~32:05/04/2020;33:US ~31:63/038,454 ~32:12/06/2020;33:US ~31:63/061,628 ~32:05/08/2020;33:US ~31:63/065,658 ~32:14/08/2020;33:US ~31:63/073,145 ~32:01/09/2020;33:US ~31:63/114,289 ~32:16/11/2020;33:US ~31:63/163,635 ~32:19/03/2021

2021/08996 ~ Complete ~54:VIRAL VECTOR ~71:VALO THERAPEUTICS OY, Viikinkaari 6 00790, Finland ~72: CAPASSO, Cristian;CERULLO, Vincenzo;FEOLA, Sara;TAHTINEN, Siri~ 33:GB ~31:1907413.7 ~32:24/05/2019

2021/09018 ~ Complete ~54:MODIFIED RELEASE FORMULATION OF A PYRIMIDINYLAMINO-PYRAZOLE COMPOUND, AND METHODS OF TREATMENT ~71:DENALI THERAPEUTICS INC., 161 Oyster Point Blvd., South San Francisco, California, 94080, United States of America ~72: ANANTHA SUDHAKAR;BRADLEY K WONG;HARISH RAVIVARAPU;TRAVIS REMARCHUK~ 33:US ~31:62/855,740 ~32:31/05/2019

2021/09050 ~ Complete ~54:HYDROGEL FOR IN-VIVO RELEASE OF MEDICATION ~71:BO-IP B.V., 18, Prinses Maximalaan, ZV ZEIST, Netherlands;SENTRYX B.V., 41, Woudenbergseweg, AUSTERLITZ, Netherlands;UMC UTRECHT HOLDING B.V., 40, Yalelaan, CM UTRECHT, Netherlands ~72: OOSTERMAN, Bas, Jeroen;PILUSO, Susanna;STEVERINK, Jasper, Gerard;VERLAAN, Joannes, Jacobus~ 33:NL ~31:2023291 ~32:11/06/2019;33:NL ~31:PCT/NL2019/050352 ~32:11/06/2019

2021/09003 ~ Complete ~54:SUBSTITUTED 1-OXO-ISOINDOLINE-5-CARBOXAMIDE COMPOUNDS, COMPOSITIONS THEREOF, AND METHODS OF TREATMENT THEREWITH ~71:Celgene Corporation, 86 Morris Avenue, SUMMIT 07901, NJ, USA, United States of America ~72: BACULI, Frans;CORREA, Matthew

D.;HANSEN, Joshua;LEBRUN, Laurie A.;LU, Chin-Chun;LU, Gang;NAGY, Mark A.;NORTHCOTE, Katherine;PENG, Sophie;PERRIN-NINKOVIC, Sophie~ 33:US ~31:62/855,619 ~32:31/05/2019

2021/09004 ~ Complete ~54:COMBINATION THERAPIES COMPRISING APREMILAST AND TYK2 INHIBITORS ~71: Celgene Corporation, 86 Morris Avenue, SUMMIT 07901, NJ, USA, United States of America ~72: ADAMS, Mary;BEEBE, Lisa;BUCHWALTER, Gilles;CARR, Tiffany;PLENGE, Robert;SCHAFER, Peter Henry;TZENG, Te-Chen~

2021/09007 ~ Complete ~54:METHOD OF DETERMINING A CONCENTRATION OF AN ANALYTE IN A BODILY FLUID AND MOBILE DEVICE CONFIGURED FOR DETERMINING A CONCENTRATION OF AN ANALYTE IN A BODILY FLUID ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: BERG, Max;HAILER, Fredrik;LIMBURG, Bernd;SKURIDINA, Daria;TUERCK, Volker;WINKELNKEMPER, Momme~ 33:EP ~31:19182555.3 ~32:26/06/2019

2021/08981 ~ Complete ~54:FAST AND INTELLIGENT MINING METHOD FOR LONGWALL IRREGULAR WORKING FACES IN COAL MINE ~71:China University of Mining and Technology, No. 1, University Road, Xuzhou City, Jiangsu Province, People's Republic of China;Kuche Yushuling Coal Mine Co., Ltd., Beishan mining area, Kuche, Akesu, Xinjiang Uygur Autonomous Region, People's Republic of China;No. 12 mine of Pingdingshan Tian'an Coal Industry Co., Ltd., North of Qingzhuang village, Donggaohuang Township, Weidong District, Pingdingshan City, Henan Province, People's Republic of China ~72: Deng Wuxian;Huang Peng;Li Yafeng;Ma Xiaohong;Shan Chengfang;Si Haitao;Wang Haiyang;Zhang Qi~

2021/08992 ~ Complete ~54:POSITIVE PRESSURE BREATHING CIRCUIT ~71:DAVID JOHN LOVE, 45 Kelvin Place, Durban North, 4051, South Africa ~72: DAVID JOHN LOVE~ 33:ZA ~31:2020/04960 ~32:12/08/2020

2021/08999 ~ Complete ~54:EFFICIENT IMPURITY REMOVAL USING A DIAFILTRATION PROCESS ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: ALAZI, Feras Nachmi;BHATIA, Ravinder;DIEPENBROEK, Bas;ERKENS, Guus Bjorn;KO, Hsu-Feng;KRISHNATHU, Soumya Mohanan;LANDAU, Jeffrey Edward;MEULENBROEK, Elisabeth;YANNONE, Vaishali~ 33:US ~31:62/847,420 ~32:14/05/2019

2021/08991 ~ Complete ~54:USE OF TELOMERASE INHIBITORS FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS AND MYELOPROLIFERATIVE NEOPLASMS ~71:GERON CORPORATION, 149 Commonwealth Drive, Menlo Park, California, 94025, United States of America ~72: MONIC J STUART;STEPHEN KELSEY~ 33:US ~31:61/734,941 ~32:07/12/2012;33:US ~31:13/841,711 ~32:15/03/2013;33:US ~31:61/799,069 ~32:15/03/2013;33:US ~31:61/900,347 ~32:05/11/2013

2021/09015 ~ Complete ~54:MONETIZATION OF ANIMAL DATA ~71:SPORTS DATA LABS, INC., 1919 Greenleaf Drive, Royal Oak, Michigan, 48067, United States of America ~72: MARK GORSKI;STANLEY MIMOTO;VIVEK KHARE~ 33:US ~31:62/834,131 ~32:15/04/2019;33:US ~31:62/912,210 ~32:08/10/2019

2021/09051 ~ Complete ~54:METHODS FOR IDENTIFYING AND QUANTITATING HOST CELL PROTEIN ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: LU, Kun;PALACKAL, Nisha;PYLES, Erica~ 33:US ~31:62/850,999 ~32:21/05/2019

2021/08970 ~ Provisional ~54:ANTENNA SYSTEM ~71:POYNTING ANTENNAS (PTY) LIMITED, Unit 4, N1 Industrial Park, Landmarks Avenue, South Africa ~72: FOURIE, Andries, Petrus, Cronje;FRONEMAN, Stephen, Joseph~

2021/08987 ~ Complete ~54:1-AMINO-1-CYCLOPROPANECARBOXYLIC ACID HUDROCHLORIDE FORMULATIONS ~71:Valent BioSciences LLC, 870 Technology Way, LIBERTYVILLE 60048, IL, USA, United

States of America ~72: DEVISETTY, Bala N.;SASAKAWA, Mitsuhiro;SHARMA, Parvesh~ 33:US
~31:62/479,524 ~32:31/03/2017

2021/08997 ~ Complete ~54:CABLE KNEE BRACE SYSTEM ~71:MOBIUS TECHNOLOGIES, LLC, 251
Northwood Way, Suite B, United States of America ~72: FLEMING, Darren~ 33:US ~31:16/436,716
~32:10/06/2019

2021/09001 ~ Complete ~54:MONITORING TOOL, SYSTEM AND METHOD FOR EARTH WORKING
EQUIPMENT AND OPERATIONS ~71:ESCO Group LLC, 2141 NW 25th Avenue, PORTLAND 97210-2578, OR,
USA, United States of America ~72: COWGILL, Noah D.~ 33:US ~31:62/847,842 ~32:14/05/2019

2021/08974 ~ Complete ~54:METHOD FOR INDUSTRIALLY EXTRACTING BO CHRYSANTHEMUM
~71:ANHUI SHENGHAITANG PHARMACEUTICAL CO., LTD, No. 211, Zhangliang Road, Qiaocheng District,
Bozhou City, Anhui Province, 236800, People's Republic of China ~72: CHEN, Zihai;TANG, Chao;TANG,
Jie;TANG, Tao~

2021/08979 ~ Complete ~54:SPECIAL CARBON-BASED FERTILIZER FOR COTTON FIELDS AND
PREPARATION METHOD THEREOF ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang
District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: CUI, Dejie;LIU,
Xinwei;SONG, Xiangyun;XU, Peijie;YU, Guiling;ZHANG, Xiaoguang~

2021/08983 ~ Complete ~54:A FACE RECOGNITION SYSTEM BASED ON CONVOLUTIONAL NEURAL
NETWORK ~71:Southwest university, Tiansheng Road 2, Beibei District, Chongqing, Sichuan province, People's
Republic of China ~72: Dong Tao;Ji Jingmin~

2021/08978 ~ Complete ~54:TECHNIQUE FOR DETECTING GEOTHERMAL WATER ENRICHMENT AREA IN
PIEDMONT KARST GEOTHERMAL RESERVOIR ~71:801 Institute of Hydrogeology and Engineering Geology,
SPBGM, No.13632 Jingshi Road, Lixia District, Jinan City, Shandong Province, People's Republic of China;Dizi
New Energy Technology Co., LTD, No.6596 Dongfanghong East Road, Economic and Technological
Development Zone, Dezhou City, Shandong Province, People's Republic of China;Shandong Lunan Geological
Engineering Survey Institute, No.272 Jianshe East Road, Yanzhou District, Jining City, Shandong Province,
People's Republic of China;Shandong No.3 Exploration Institute of Geology and Mineral Resources, No.271
Jichang Road, Zhifu District, Yantai City, Shandong Province, People's Republic of China;Shandong Provincial
Bureau of Geology and Mineral Resources (SPBGM), No.74 Lishan Road, Lixia District, Jinan City, Shandong
Province, People's Republic of China ~72: Jiang Lulu;Kang Fengxin;Ma Zhemin;Shi Meng;Shi Qipeng;Sui
Haibo;Wang Chengming;Wei Shanming;Zheng Tingting;Zhou Qundao~

2021/08982 ~ Complete ~54:UNCERTAINTY-AWARE FEDERATED LEARNING METHOD AND SYSTEM IN
MOBILE EDGE COMPUTING NETWORK ~71:Dalian University of Technology, Dalian University of Technology,
No.321, Tuqiang Street, Economic and Technological Development Zone, Dalian City, Liaoning Province,
116621, People's Republic of China ~72: LI, Dongrui;XIA, Qiufen;XU, Zichuan~ 33:CN ~31:202110629960.4
~32:07/06/2021

2021/08984 ~ Complete ~54:X-RAY PERSPECTIVE THREE-DIMENSIONAL POSITIONING AUXILIARY TOOL
~71:Children's Hospital of Soochow University, No.92 Zhongnan Street, Industrial Park, Suzhou City,
Jiangsu Province, People's Republic of China ~72: Chen Mimi;Jin Jie;Li Xiaoyan;Liang Peirong;Liu Wendong;Liu
Ya;Liu Yao;Liu Yicong;Su Guanghao;Tang Zizhen;Wang Xiaodong;Wang Zixuan;Wu Xinyan;Yao Feng;Yuan
Quanwen;Zhang Fuyong;Zhang Yiqun;Zhang Zheng;Zhen Yunfang;Zhu Lunqing;Zhu Zhenhua~

2021/08990 ~ Complete ~54:SPHERICAL STORAGE TANK MODEL FOR ANTI-SEISMIC DESIGN
EXPERIMENT ~71:China Special Equipment Inspection and Research Institute, Building 2, Heping Xiyuan,

Chaoyang District, Beijing, 100029, People's Republic of China; Dalian University of Technology, No. 2, Dagong Road, Liaodong Bay New District, Panjin City, Liaoning Province, 110002, People's Republic of China ~72: SHOU, Binan; SUN, Liang; WANG, Guojun; YANG, Zhirong; YU, Zhemin; YUE, Qianjin; ZHANG, Dayong~

2021/09017 ~ Complete ~54: ANIMAL DATA PREDICTION SYSTEM ~71: SPORTS DATA LABS, INC., 1919 Greenleaf Drive, Royal Oak, Michigan, 48067, United States of America ~72: MARK GORSKI; STANLEY MIMOTO; VIVEK KHARE~ 33:US ~31:62/833,970 ~32:15/04/2019; 33:US ~31:62/912,822 ~32:09/10/2019

2021/08973 ~ Complete ~54: ONLINE FRUIT AND VEGETABLE IDENTIFICATION SYSTEM BASED ON RGB-D VISION AND METHOD THEREOF ~71: Northwest A and F University, No. 22, Xinong Road, Yangling District, Xianyang City, Shaanxi Province, 712100, People's Republic of China ~72: LIU, Li; LIU, Wei; MA, Taian; QIU, Zhidong; SHI, Yinggang~

2021/09012 ~ Complete ~54: ONLINE PAYMENT SYSTEM ~71: SEMAFONE LIMITED, Pannell House, Park Street, Guildford, United Kingdom ~72: BALDWIN, Thomas; PREEDY, Graham; RAFFERTY, Ben~ 33:GB ~31:1906083.9 ~32:30/04/2019

2021/08986 ~ Complete ~54: METHOD FOR DEODORIZING AND ENHANCING FLAVOR OF MEAT AND MEAT PRODUCTS BY USING LACTOBACILLUS FERMENTATION BROTH ~71: Xiamen Sci-plus Biotech. Co., Ltd., Unit 702, Technical Service Center, No. 120, Xinyuan Road, Haicang District, Xiamen City, Fujian Province, 361026, People's Republic of China ~72: DENG, Honghui; LIU, Wenmei; YU, Chengzhuang; YU, Jinming; ZOU, Zehua~

2021/09008 ~ Complete ~54: LOUVER ASSEMBLY ~71: Mestek, Inc., 260 North Elm Street, WESTFIELD 01085, MA, USA, United States of America ~72: MOYER, Kenneth L.~ 33:US ~31:16/502,502 ~32:03/07/2019

2021/08971 ~ Provisional ~54: DETONATOR ASSEMBLY PLACEMENT ~71: DETNET SOUTH AFRICA (PTY) LTD, AECI Place, The Woodlands, Woodlands Drive, Woodmead, South Africa ~72: BOTHA, Marius Christo; LIEBENBERG, Abraham Johannes~

2021/09048 ~ Complete ~54: USE OF BISPECIFIC ANTIGEN-BINDING MOLECULES THAT BIND PSMA AND CD3 IN COMBINATION WITH 4-1BB CO-STIMULATION ~71: REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: CHIU, Danica; CRAWFORD, Alison; KIRSHNER, Jessica, R.~ 33:US ~31:62/864,999 ~32:21/06/2019

2021/09053 ~ Complete ~54: A DEVICE, SYSTEM AND METHOD FOR MONITORING CONDITIONS ON A RAILWAY TRACK ~71: HISWAY LABS (PTY) LTD, 10 Mannings Lane, Somerset West, South Africa ~72: KUNNEKE, Christian; STRUWIG, Franz Antony~ 33:NL ~31:1043288 ~32:10/06/2019

2021/09020 ~ Complete ~54: CASTING NOZZLE ~71: VESUVIUS GROUP, S.A., 17, rue de Douvrain., 7011, Ghlin, Belgium ~72: JOHAN RICHAUD; WALDEMAR HEINBICHNER~ 33:EP ~31:19176155.0 ~32:23/05/2019

2021/09000 ~ Complete ~54: COMPOSITIONS AND METHODS FOR TREATING CANCER ~71: Tyme, Inc., 1 Pluckemin Way, Suite 103, BEDMINSTER 07921, NJ, USA, United States of America ~72: HOFFMAN, Steven~ 33:US ~31:62/847,570 ~32:14/05/2019

2021/08989 ~ Complete ~54: MOLECULAR SENSOR WITH FLUORESCENCE DETECTION SIGNAL OF "OFF-ON-OFF" TO ACIDIC ENVIRONMENT AND APPLICATION THEREOF ~71: Dezhou University, No. 566 University Rd. West, Decheng District, Dezhou City, Shandong Province, 253023, People's Republic of China ~72: CHEN, Yuting; DONG, Yaru; FAN, Jinyong; HU, Kaili; WANG, Guangyin; ZHAO, Hongrui~ 33:CN ~31:202110406915.2 ~32:15/04/2021

2021/09013 ~ Complete ~54:LIGNIN-BASED FLEXIBLE FIBROUS ELECTRODE, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:QILU UNIVERSITY OF TECHNOLOGY, No.3501 Daxue Road, Changqing District, Jinan, Shandong, 250353, People's Republic of China ~72: CHEN, Jiachuan;JI, Xingxiang;JIA, Qianqian;LI, Fengfeng;YANG, Guihua;ZHANG, Zhili~ 33:CN ~31:202010191293.1 ~32:18/03/2020

- APPLIED ON 2021/11/15 -

2021/09027 ~ Complete ~54:A RAPID PERCEPTION AND PROTECTION METHOD FOR BLOCK FALLING AND SAND SLIDING IN EXCAVATION OF SANDY LOESS TUNNEL ~71:Northwest University, 229 Taibai North Road, Beilin District, Xi'an City, Shaanxi Province, 710069, People's Republic of China ~72: Dengfei Zhang;Jiading Wang;Qi Gu;Tianfeng Gu;Yuanjun Xu~

2021/09032 ~ Complete ~54:PHOTONIC CRYSTAL FIBER ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276005, People's Republic of China ~72: NING, Xuefeng~

2021/09083 ~ Complete ~54:MEANS TO MONITOR CLOSURE IN MINES ~71:Mining Product Developments (Pty) Ltd, 10 Vegkop Street Noordheuwel, South Africa ~72: HOWELL, Mark;PIENAAR, Frans Roelof Petrus~ 33:ZA ~31:2020/05033 ~32:14/08/2020

2021/09057 ~ Complete ~54:CURRENCY TRACKING AND ACCOUNTING SYSTEMS ~71:JCM AMERICAN CORPORATION, 925 PILOT ROAD, LAS VEGAS, NEVADA 89119, USA, United States of America ~72: KUBAJAK, David, C.~ 33:US ~31:62/852,013 ~32:23/05/2019;33:US ~31:16/855,089 ~32:22/04/2020

2021/09066 ~ Complete ~54:SYSTEMS, DEVICES, AND METHODS FOR TREATING HEART VALVES ~71:Edwards Lifesciences Corporation, One Edwards Way, IRVINE 92614, CA, USA, United States of America ~72: BETTENCOURT, Hannah Reed;CHAU, Jocelyn;CHOW, Sean;COOPER, Alexander H.;DU, Yuanlong;GROSS, Alyssa Joy;LAM, Jason Seng-Che;MARSHALL, Corey Maurice;NGUYEN, Ngoc Huong Thi;NGUYEN, Tram Ngoc;PATEL, Darshin S.;REED, Kurt Kelly;SCHWARTZ, Evan T.;TRAN, Tri D.~ 33:US ~31:62/858,875 ~32:07/06/2019;33:US ~31:62/908,402 ~32:30/09/2019

2021/09068 ~ Complete ~54:MDBK IRF3/IRF7 KNOCK OUT MUTANT CELL AND ITS USE FOR VACCINE PRODUCTION ~71:Intervet International B.V., Wim de Körverstraat 35, BOXMEER 5831 AN, THE NETHERLANDS, Netherlands ~72: DE GROOF, Ad;LANGEREIS, Martijn Alexander;SIMMELINK, Bartjan Willem;VERMEIJ, Paul~ 33:EP ~31:19178949.4 ~32:07/06/2019

2021/09025 ~ Complete ~54:A TRAFFIC DYNAMIC LOAD DEVICE FOR ROCK-SOIL AND UNDERGROUND ENGINEERING MODEL TEST ~71:Linyi University, Middle section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Jia Chuanyang;Liu Keming;Song Xiaoyuan;Sun Xizhen;Wang Hailong;Yu Xianbin;Zhang Guibin~ 33:CN ~31:202110013831.2 ~32:06/01/2021

2021/09035 ~ Complete ~54:PAPER MAKING MACHINE ~71:Guangning Zhengda Special Paper Co., Ltd., Hengshan Industrial Park, Guangning County, Zhaoqing City, Guangdong, 526300, People's Republic of China ~72: Fu Dong;Fudian Dong;Shangren Fang;Yeqing Dong~

2021/09059 ~ Complete ~54:STABILIZATION OF SUSPENSION CONCENTRATES BY HIGHLY SULFONATED LIGNOSULFONATE ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BENTON, Kara, Walden;XU, Wen~ 33:US ~31:62/842,670 ~32:03/05/2019

2021/09081 ~ Complete ~54:EXPERIMENTAL APPARATUS FOR MEASURING AND SEPARATING ROTATION ERRORS OF PRECISION SPINDLE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168

TAIFENG STREET, HUAINAN CITY, People's Republic of China ~72: HE, Jian;LIU, Yueqi;YANG, Hongtao;ZHANG, Shuangshuang;ZHANG, Yilong~

2021/09026 ~ Complete ~54:A DEMONSTRATION DEVICE OF ROCK FRACTURE EVOLUTION ~71:Linyi University, Middle section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Sun Xizhen;Zhan Xucai;Zhang Ce~ 33:CN ~31:202110062691.8 ~32:18/01/2021

2021/09034 ~ Complete ~54:SMALL PAPER MACHINE ~71:Guangning Zhengda Special Paper Co., Ltd., Hengshan Industrial Park, Guangning County, Zhaoqing City, Guangdong, 526300, People's Republic of China ~72: Fudian Dong;Shangren Fang;Yeqing Dong~

2021/09037 ~ Complete ~54:AN OUTAGE PROBABILITY PERFORMANCE PREDICTION METHOD FOR MOBILE COMMUNICATION SYSTEM ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, Qingdao City, Shandong Province, People's Republic of China ~72: Lingwei Xu;Xinpeng Zhou;Yanyan Duan;Zhe Chen;Zhihe Gao~

2021/09039 ~ Complete ~54:METHOD AND DEVICE FOR GENERATING NUMERICAL VALUE OF CRITICAL PHOTON DETECTOR OPERATOR ~71:Tsinghua University, Tsinghua University, No.30 Shuangqing Road, Haidian District, Beijing City, People's Republic of China ~72: Long Guilu;Pan Dong;Ye Zhangdong;Zhu Kuntuo~

2021/09047 ~ Complete ~54:BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg 1-35, 1101 CN, Amsterdam Zuidoost, Netherlands ~72: HEIKO PURNHAGEN;LARS VILLEMOES;PER EKSTRAND~ 33:US ~31:62/475,619 ~32:23/03/2017

2021/09064 ~ Complete ~54:METHODS AND REAGENTS FOR DIAGNOSIS OF SARS-COV-2 INFECTION ~71:Charité - Universitätmedizin Berlin, Charitéplatz 1, BERLIN 10117, GERMANY, Germany;EUROIMMUN Medizinische Labordiagnostika AG, Seekamp 31, LÜBECK 23560, GERMANY, Germany ~72: CORMAN, Victor;LATTWEIN, Erik;LINDHORST, Fabian;MÜLLER, 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

2021/09082 ~ Complete ~54:INTELLIGENT MONITORING, PREVENTION AND CONTROL METHOD AND SYSTEM FOR ECOLOGICAL REGION ~71:BEIJING NORMAL UNIVERSITY, NO.19, XINJIEKOU OUTER, HAIDIAN DISTRICT, People's Republic of China ~72: JINBO ZHAO;LEI CHEN;XUEHUI ZHOU~

2021/09046 ~ Complete ~54:BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg 1-35, 1101 CN, Amsterdam Zuidoost, Netherlands ~72: HEIKO PURNHAGEN;LARS VILLEMOES;PER EKSTRAND~ 33:US ~31:62/475,619 ~32:23/03/2017

2021/09041 ~ Complete ~54:METHOD FOR PREPARING FLUORESCENT POLYMER FOR SIMULTANEOUSLY DETECTING TRIVALENT CHROMIUM IONS AND HEXAVALENT CHROMIUM IONS ~71:Linyi University, West Side of North Section of Industrial Avenue, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: LU, Hongzhi;XU, Shoufang~

2021/09055 ~ Complete ~54:NOVEL CANCER ANTIGENS AND METHODS ~71:ENARA BIO LIMITED, Magdalen Centre The Oxford Science, Park 1 Robert Robinson Avenue, United Kingdom;THE FRANCIS CRICK INSTITUTE LIMITED, 1 Midland Road, United Kingdom ~72: ATTIG, Jan;KASSIOTIS, George;MARINO, Fabio;YOUNG, George~ 33:EP ~31:19184742.5 ~32:05/07/2019

2021/09073 ~ Complete ~54:METHODS FOR PURIFICATION OF MESSENGER RNA ~71:TRANSLATE BIO, INC., 29 Hartwell Avenue, Lexington, Massachusetts, 02421, United States of America ~72: CAMERON M SMITH;FRANK DEROSA;JONATHAN ABYSALH;JOREL VARGAS~ 33:US ~31:62/848,412 ~32:15/05/2019;33:US ~31:62/891,781 ~32:26/08/2019

2021/09061 ~ Complete ~54:HAND-OPERATED DEVIATION-FREE CORRECTOR FOR STEREOTAXIC INSTRUMENT ~71:NANTONG UNIVERSITY, No. 9 Seyuan Road, Chongchuan, Nantong, Jiangsu, 226000, People's Republic of China ~72: FANG, Xiaoxia;LU, Jianhua;PENG, Yuping;QIU, Yihua;YANG, Bin~

2021/09028 ~ Complete ~54:A DIVISION METHOD OF ENGINEERING GEOLOGICAL GENERALIZED MODEL FOR MINING NEAR LOOSE LAYER ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China;Shandong University of Science and Technology, No. 579, Qianwangang Road, Huangdao District, Qingdao City, Shandong Province, 266590, People's Republic of China ~72: Shao Jianli;Wang Hailong;Wang Zaiyong;Zhang Guibin;Zhang Qi;Zhang Wenquan~

2021/09036 ~ Complete ~54:WARM AREA RAINSTORM IDENTIFICATION AND CLASSIFICATION METHOD AND SYSTEM ~71:Fu Dong, Room 3-505, Jinxiu Huating, Luoyang Town, Taishun County, Zhejiang, 325500, People's Republic of China ~72: Fu Dong~

2021/09062 ~ Complete ~54:GROUND ENGAGING TOOL MONITORING SYSTEM ~71:CQMS PTY LTD, 1/58 Metroplex Avenue, Australia ~72: BATTEN, Ross;HILLIER, Nick;JUNG, Myoungki;SHRESTHA, Sagun Man Singh~ 33:AU ~31:2019901878 ~32:31/05/2019

2021/09023 ~ Provisional ~54:WASTE MANAGEMENT SYSTEM AND WASTE MANAGEMENT METHOD ~71:MARY PHILLIPS UNLIMITED (PTY) LTD, 11 LAVENDER PLACE PARKSIDE, South Africa ~72: PHILLIPS Mary Magdalene~

2021/09024 ~ Complete ~54:NON-HUMAN ANIMALS CAPABLE OF DH-DH REARRANGEMENT IN THE IMMUNOGLOBULIN HEAVY CHAIN CODING SEQUENCES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: GUO, Chunguang;MACDONALD, Lynn;MCWHIRTER, John;MURPHY, Andrew, J.;VORONINA, Vera~ 33:US ~31:62/685,203 ~32:14/06/2018;33:US ~31:62/702,206 ~32:23/07/2018;33:US ~31:62/812,580 ~32:01/03/2019

2021/09063 ~ Complete ~54:METHOD FOR THE LIGHTWEIGHTING AND/OR DESIGNING OF AN ADDITIVELY MANUFACTURED ARTICLE ~71:spherene AG, Letzigraben 114, ZÜRICH 8047, SWITZERLAND, Switzerland ~72: BÄRTSCHI, Ralph;WALDVOGEL, Christian~

2021/09070 ~ Complete ~54:IMATINIB FORMULATIONS, MANUFACTURE, AND USES THEREOF ~71:Aerovate Therapeutics, Inc., 200 Berkeley Street, 18th Floor, BOSTON 02116, MA, USA, United States of America ~72: DAKE, Ben;LEVIN, Andrew D.;NIVEN, Ralph~ 33:US ~31:62/849,054 ~32:16/05/2019;33:US ~31:62/849,056 ~32:16/05/2019;33:US ~31:62/849,058 ~32:16/05/2019;33:US ~31:62/849,059 ~32:16/05/2019;33:US ~31:62/877,575 ~32:23/07/2019;33:US ~31:62/942,408 ~32:02/12/2019;33:US ~31:62/958,481 ~32:08/01/2020;33:US ~31:62/984,037 ~32:02/03/2020

2021/09075 ~ Provisional ~54:A DRAINAGE DEVICE ~71:SINAPI BIOMEDICAL (PTY) LTD, ARC Infruitec, Lelie Road,, South Africa ~72: BRUWER, Gabriel Kriel;DE VILLIERS, Dirk Christiaan;JORDAAN, Johannes Petrus;KNOESEN, Andrew Malan;SMIT, Nicolaas Hendrik;WAIT, Jerusha~

2021/09033 ~ Complete ~54:VIBRATING MULTIFUNCTIONAL LAYERED PICKING INTEGRATED MACHINE FOR WINTER JUJUBES ~71:Qingdao University of Technology, NO.777 Jialingjiang Road, Huangdao District,

Qingdao City, Shandong Province, People's Republic of China ~72: Che Qinglun;Guo Feng;Li Yang;Xu Huiqun;Zhang Jianjun;Zhang Zhongyu~

2021/09040 ~ Complete ~54:ANCHOR ROD AND METHOD FOR SUPPORTING FRACTURE ZONE ~71:Fuzhou University, No. 2, Wulongjiang North Avenue, Fuzhou University Town, Minhou County, Fuzhou, Fujian Province, 350108, People's Republic of China ~72: DING, Xingzhi;HUANG, Mingqing;LIU, Qingling;LIU, Sunqi;SHEN, Wenbo;WENG, Yajie~ 33:CN ~31:202110126497.1 ~32:29/01/2021

2021/09056 ~ Complete ~54:CONTROL OF PATHOGENS BY FOLIAR SPRAYING WITH CO₂-INFUSED WATER ~71:CO₂ GRO INC., 5800-40 King St West, Box 1011, Toronto, Canada ~72: ARCHIBALD, John~ 33:US ~31:62/846,837 ~32:13/05/2019

2021/09060 ~ Complete ~54:STABILIZATION OF SUSPENSION CONCENTRATES BY HYDROPHOBIC FUMED SILICA ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BENTON, Kara, Walden;FLOYD, Robert, M;XU, Wen~ 33:US ~31:62/842,920 ~32:03/05/2019

2021/09071 ~ Complete ~54:NEGATIVE PRESSURE WOUND DRESSING ~71:AROA BIOSURGERY LIMITED, 2 Kingsford Smith Place, Mangere, Auckland, 2022, New Zealand ~72: ALISTER TODD JOWSEY;BRIAN RODERICK WARD;DORRIN ASEFI;ISAAC TRISTRAM TANE MASON~ 33:US ~31:62/844,690 ~32:07/05/2019

2021/09029 ~ Complete ~54:METHOD FOR PREPARATION OF METHYL BROMOPHENYLPROPIONATE BY ASYMMETRIC REDUCTION CATALYZED BY SACCHAROMYCES CEREVISIAE ~71:Qingdao University of Science and Technology, Qingdao University of Science and Technology, 53 Zhengzhou Road, Qingdao, 266042, People's Republic of China ~72: Jiang Zhuying;Liang Shaoxin;Pan Yu;Qin Fucheng;Wan Congcong;Wang Fanye;Zhang Yuanyuan~

2021/09067 ~ Complete ~54:DISUBSTITUTED PYRAZOLE COMPOUNDS AS KETOHEXOKINASE INHIBITORS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: COATES, David Andrew;DURHAM, Timothy Barrett;JOHNSTON, Richard Duane;MASSEY, Steven Marc;SPINAZZE, Patrick Gianpietro;STACK, Douglas Richard;TOTH, James Lee~ 33:US ~31:62/862,382 ~32:17/06/2019;33:US ~31:62/975,887 ~32:13/02/2020

2021/09114 ~ Complete ~54:CONSTRUCTION METHOD AND APPLICATION OF ENGINEERING STRAIN OF OENOCOCCUS OENI ~71:QILU UNIVERSITY OF TECHNOLOGY, No. 3501, Daxue Road, Changqing District, Shandong, People's Republic of China ~72: HAN, Ning;HE, Xi;LIU, Peng;ZHAO, Xinjie~ 33:CN ~31:201911173242.X ~32:26/11/2019

2021/09074 ~ Provisional ~54:THE BUCKET SHOWER ~71:kitso mapalentwa, 19 inez street sunnyside, South Africa ~72: kitso mapalentwa~ 33:ZA ~31:01 ~32:14/11/2021

2021/09030 ~ Complete ~54:MANGANESE-VANADIUM SLAG AND METHOD FOR PRODUCING MANGANESE-VANADIUM SLAG IN CONVERTER ~71:Northeastern University, NO. 3-11, Wenhua Road, Heping District, Shenyang, Liaoning Province, 110819, People's Republic of China ~72: CHEN, Donghui;CHENG, Gongjin;GAO, Minglei;LIU, Jianxing;TENG, Aijun;XUE, Xiangxin;ZHANG, Xuefei~

2021/09054 ~ Complete ~54:DRUM UNIT, DRIVE TRANSMISSION UNIT, CARTRIDGE, AND ELECTRONIC PHOTO IMAGE FORMING DEVICE ~71:CANON KABUSHIKI KAISHA, 30-2, Shimomaruko 3-chome, Ohta-ku, Japan ~72: FUJIWARA, Akihiro;MURAKAMI, Ryuta~ 33:JP ~31:2019-109671 ~32:12/06/2019

2021/09072 ~ Complete ~54:VALVE POSITION INDICATOR WITH LEDS ~71:BRAY INTERNATIONAL, INC., 13333 Westland E Blvd., Houston, Texas, 77041, United States of America ~72: CRAIG BROWN;DAN WALKER;JAMES F SCHMIDT~ 33:US ~31:16/390,822 ~32:22/04/2019

2021/09079 ~ Complete ~54:B-KETOSULFOXIDE DERIVATIVE FOR CARBOXYLIC ACID DRUGS AS WELL AS PREPARATION METHOD AND APPLICATION THEREOF ~71:NINGXIA UNIVERSITY, No. 489, Helanshan West Road, Yinchuan, People's Republic of China ~72: WEI, MENGXUE~ 33:CN ~31:202011530930X ~32:22/12/2020;33:CN ~31:2021109238424 ~32:12/08/2021

2021/09042 ~ Complete ~54:METHODS OF REDUCING SERUM LEVELS OF FC-CONTAINING AGENTS USING FCRN ANTAGONISTS ~71:argenx BVBA, Industriepark Zwijnaarde 7, 9052, ZWIJNAARDE, BELGIUM, Belgium ~72: BLANCHETOT, Christophe;DE HAARD, Johannes;DREIER, Torsten;ONGENAE, Nicolas G.H.;ULRICHTS, Peter~ 33:US ~31:62/130,076 ~32:09/03/2015

2021/09078 ~ Complete ~54:MARKETING FACILITATION ~71:Leah & Levi Financial Services (Pty) Ltd, 2 Ncondo Place, Ridgeside, South Africa ~72: DAVIDS, Jabeer Mohammed;NAICKER, Kiruben;PILLAY, Nivaini~ 33:ZA ~31:2020/04996 ~32:13/08/2020

2021/09044 ~ Complete ~54:SWITCH HAVING A POSITION INDICATOR ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: HEILERSIG, Dinant;LAMMERS, Adri;VAN DIJK, Marcel~ 33:GB ~31:2019261.3 ~32:08/12/2020

2021/09069 ~ Complete ~54:MESOTHELIN CARS AND USES THEREOF ~71:Memorial Sloan-Kettering Cancer Center, 1275 York Avenue, NEW YORK 10065, NY, USA, United States of America ~72: ADUSUMILLI, Prasad S.;SADELAIN, Michel~ 33:US ~31:62/848,983 ~32:16/05/2019;33:US ~31:62/975,966 ~32:13/02/2020

2021/09045 ~ Complete ~54:BACKWARD-COMPATIBLE INTEGRATION OF HARMONIC TRANSPOSER FOR HIGH FREQUENCY RECONSTRUCTION OF AUDIO SIGNALS ~71:DOLBY INTERNATIONAL AB, Apollo Building, 3E Herikerbergweg 1-35, 1101 CN, Amsterdam Zuidooost, Netherlands ~72: HEIKO PURNHAGEN;LARS VILLEMOES;PER EKSTRAND~ 33:US ~31:62/475,619 ~32:23/03/2017

2021/09065 ~ Complete ~54:STRUCTURES AND TECHNIQUES FOR SOLAR COLLECTORS ~71:Solar Dynamics, LLC, 1105 W. 11th Ct., BROOMFIELD 80020, CO, USA, United States of America ~72: MARCOTTE, Patrick David;STEGALL, Nathaniel Charles~ 33:US ~31:62/845,646 ~32:09/05/2019

2021/09080 ~ Complete ~54:METHOD FOR PRODUCING FORMALDEHYDE-FREE AND WATER-RESISTANT WOOD-BASED PANEL ~71:Henan Agricultural University, No. 63 Agricultural Road, Jinshui District, Zhengzhou City,, People's Republic of China ~72: GE, Shengbo;LI, Cheng;PENG, Wanxi;YANG, Yafeng~ 33:CN ~31:202110961694.5 ~32:20/08/2021

2021/09043 ~ Complete ~54:CHANGEOVER SWITCH ~71:Eaton Intelligent Power Limited, Eaton House, 30 Pembroke Road, DUBLIN 4, IRELAND, Ireland ~72: BANKAR, Akshay;GEUSENDAM, Paul;HEILERSIG, Dinant;KNOL, Bert~ 33:GB ~31:2018258.0 ~32:20/11/2020

2021/09058 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE STABILIZATION OF MICRO-RNA ~71:GENFIT, 885 AVENUE EUGENE AVINÉE, 59120 LOOS, FRANCE, France ~72: MAJD, Zouher~ 33:EP ~31:19305496.2 ~32:16/04/2019

2021/09031 ~ Complete ~54:CROSSROAD PASS SYSTEM AND METHOD WITHOUT SIGNAL LAMP CONTROL ~71:Shandong University, No. 17923, Jingshi Road, Lixia District, Jinan City, Shandong Province,

250061, People's Republic of China ~72: CHANG, Honglei;GUO, Jianghao;JIA, Sijia;LIU, Jian;SHI, Luyu;WANG, Jianhong~ 33:CN ~31:202011327682.9 ~32:24/11/2020

2021/09038 ~ Complete ~54:METHOD FOR ORGANIC HEAT CARRIER SYNTHETISED BY HIGH TEMPERATURE RESISTANCE ~71:Shandong North Zite Special Oil Co., Ltd., 8699 Zhoulong Road, Zhoucun, Zibo, Shandong, People's Republic of China ~72: Fuliang Li;Naitang Yang~

- APPLIED ON 2021/11/16 -

2021/09128 ~ Complete ~54:SYSTEMS AND METHODS FOR PRODUCING A PRODUCT ~71:Colgate-Palmolive Company, 300 Park Avenue, NEW YORK 10022, NY, USA, United States of America ~72: KIM, Dong Hyun;LUCZYNSKI, Bartosz;PAPPAS, Iraklis;WU, Donghui~ 33:US ~31:16/452,214 ~32:25/06/2019

2021/09130 ~ Complete ~54:SOLID STATE FORMS ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: AGARWAL, Prashant;AMEGADZIE, Albert;AZALI, Stephanie;CHAVES, Mary;KELLY, Ron C.;LOPEZ, Patricia;REID, Darren Leonard;SHIMANOVICH, Roman~ 33:US ~31:62/851,044 ~32:21/05/2019

2021/09132 ~ Complete ~54:ROAD NETWORK BALANCED DRAINAGE METHOD AIMED AT REDUCING URBAN WATERLOGGING ~71:QINGDAO DONGHUIQUAN TECHNOLOGY CO. LTD, Room 1101-6, B, 171 Shandong Road, Shibei District, Shandong, People's Republic of China;QINGDAO UNIVERSITY OF TECHNOLOGY, 777 Jialing River East Road, Huangdao District, Shandong, People's Republic of China ~72: CHEN, Feida;CHEN, Miaomiao;JIANG, Hui;LI, Chong;LI, Yifan;LIU, Naiyou;NIAN, Dawu;WANG, Chaoyang;WANG, Jungang;WANG, Lu;XU, Renyu;YAO, Xin;ZHANG, Xuefeng~ 33:CN ~31:202010154637.1 ~32:08/03/2020

2021/09091 ~ Complete ~54:INTRUSION DETECTION METHOD FOR NETWORK INFORMATION SECURITY ~71:Zhongyuan University of Technology, No. 41, Zhongyuan Road (M), Zhengzhou, Henan Province, 450000, People's Republic of China ~72: GAO, Yanxia;LI, Feng;XIA, Minjie;XU, Fei;YANG, Yaoke~

2021/09111 ~ Complete ~54:A METHOD OF PREPARATION FOR A L-GLUTAMIC ACID SEED CRYSTAL ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, People's Republic of China ~72: Baoming SHAN;Fangkun ZHANG;Kang DU;Qilei XU~

2021/09077 ~ Provisional ~54:4TH EDITION AUTOMATIC TELLER MACHINE ~71:Sinoxolo Mbekiswana, Unit9A Hostel, Jouberton, South Africa ~72: Sinoxolo Mbekiswana~

2021/09097 ~ Complete ~54:METHOD FOR INCREASING YIELD OF CORN STARCH ~71:Neimenggu Fufeng Biotechnologies Co., Ltd., Jing'er Road, Jinchuan District, Economic and Technological Development Zone, Hohhot, Inner Mongolia, 010080, People's Republic of China ~72: FU, Guanghao;GAO, Lei;LIANG, Xiaojuan;LIU, Lu;WANG, Kun;XU, Na;XU, Shuijiang~

2021/09101 ~ Complete ~54:QUANTUM DOT INFRARED DETECTOR WITH HIGH ABSORPTIVITY ~71:JINNENG HOLDING GROUP DADOUYOU COAL INDUSTRY CO., LTD., Pingcheng District, Datong City, Shanxi Province, 037009, People's Republic of China;SHANXI DATONG UNIVERSITY, Pingcheng District, Datong City, Shanxi Province, 037009, People's Republic of China ~72: CHEN, Yang;JIANG, Xiaoyun;LIU, Hongmei;SUN, Fa;WANG, Yongwei;XU, Li;YANG, Chunhua~

2021/09109 ~ Complete ~54:METALLIC CAN LID ~71:TOP CAP HOLDING GMBH, Andreas-Hofer-Straße 2, Kufstein, Austria ~72: PIECH, Gregor, Anton~ 33:EP ~31:18178561.9 ~32:19/06/2018

2021/09123 ~ Complete ~54:SUBSTITUTED CYCLOLAKYLS AS MODULATORS OF THE INTEGRATED STRESS PATHWAY ~71:ABBVIE INC., 1 North Waukegan Road, North Chicago, Illinois, 60064, United States of America;CALICO LIFE SCIENCES LLC, 1170 Veterans Blvd, South San Francisco, California, 94080, United States of America ~72: CARMELA SIDRAUSKI;HANAE BENELKEBIR;JENNIFER M FROST;JOHN T RANDOLPH;KATHLEEN ANN MARTIN;KATHLEEN J MURAUSKI;LEI SHI;MICHAEL J DART;QINGWEI ZHANG;SEUNGWON CHUNG;XIANGDONG XU;YUNSONG TONG~ 33:US ~31:62/840,945 ~32:30/04/2019

2021/09085 ~ Complete ~54:ADAPTER FORGING FORMING DIE ~71:North China University of Science and Technology, 21 Bohai Avenue, Caofeidian District, Tangshan City, Hebei Province , 063200, People's Republic of China ~72: DONG, Shuliang;HUANG, Xiaomin;JI, Hongchao;JU, Liying;LI, Jingsheng;LONG, Haiyang;PEI, Weichi;SONG, Changzhe;SONG, Gang;XU, Shaobin;ZHENG, Lei~ 33:CN ~31:202110997196.6 ~32:27/08/2021

2021/09088 ~ Complete ~54:METHOD AND DEVICE FOR PLANNING MOTION TRAJECTORY OF ROBOT ~71:Xinjiang Sanli Intelligent Technology Co., Ltd., Standard room 3, SME Entrepreneurship Park, No. 8, Tengfei Avenue, Changji high tech Industrial Development Zone, Changji Prefecture, Xinjiang, 831100, People's Republic of China ~72: LI, Linqing~

2021/09095 ~ Complete ~54:PREPARATION AND APPLICATION OF COPOLYMER MODIFIED WATERPROOF AGENT ~71:Institute of Applied Chemistry, Jiangxi Academy of Sciences, No. 7777, Changdong Avenue, High-tech Development Zone, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: DONG, Xiaona;FANG, Jie;LI, Ling;XU, Changjiang;YOU, Shengyong;ZHAO, Chaowei;ZOU, Jiyong~

2021/09102 ~ Complete ~54:TREATMENT PROCESS OF SURFACE FLOW-VERTICAL SUBSURFACE FLOW CONSTRUCTED WETLANDS ~71:Nanjing Institute of Environmental Sciences, Ministry of Ecology and Environment, 8 Jiangwangmiao Street, Xuanwu District, Nanjing, Jiangsu, 210042, People's Republic of China ~72: LIU, Dong;SUN, Jie;XU, Mengjia;YANG, Yue;ZHANG, Wenhui~

2021/09106 ~ Complete ~54:SPLICING NODE OF PRECAST CONCRETE SHEAR WALL AND CONSTRUCTION METHOD ~71:China Railway Development Investment Co., Ltd, No.383 Dunhua Road, Shibei District, Qingdao City, Shandong Province, People's Republic of China;China Railway First Bureau Group Fifth Engineering Co., Ltd, No.5 Zhongtan Road, Weibin District, Baoji City, Shaanxi Province, People's Republic of China;Qingdao Metro Line 6 Co., Ltd, No.177 Binhai Avenue, Huangdao District, Qingdao City, Shandong Province, People's Republic of China;Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Chen Jiakai;Gu Hangping;Huang Cheng;Jiang Jinyan;Jiang Xiaoming;Liu Mei;Liu Quanwei;Liu Xinyu;Wang Qitao;Xiao Yongqiang;Zhao Jizeng;Zong Chao~

2021/09118 ~ Complete ~54:PREPARATION METHOD FOR FLUORESCENT AND TRANSPARENT COMPOSITE MATERIAL ~71:NANTONG UNIVERSITY, No. 9 Seyuan Road, Chongchuan, Nantong, Jiangsu, 226000, People's Republic of China ~72: LI, Minmin;LIU, Huan;MIAO, Jianwen;SONG, Guohua~ 33:CN ~31:202010738548.1 ~32:27/07/2020

2021/09127 ~ Complete ~54:OXATHIAZIN COMPOUNDS FOR INHIBITING GAPDH ~71:Geistlich Pharma AG, Bahnhofstrasse 40, WOLHUSEN 6110, SWITZERLAND, Switzerland ~72: COSTIN, James C.;MOEHLER, Hanns;MUELLER, Thomas~ 33:US ~31:62/851,424 ~32:22/05/2019

2021/09129 ~ Complete ~54:MODULATORS OF THR- β AND METHODS OF USE THEREOF ~71:Aligos Therapeutics, Inc., 1 Corporate Drive, 2nd Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DEVAL, Jerome;MCGOWAN, David;RABOISSON, Pierre Jean-Marie Bernard;VANDYCK, Koen~ 33:US ~31:62/845,252 ~32:08/05/2019;33:US ~31:62/944,052 ~32:05/12/2019;33:US ~31:63/005,661 ~32:06/04/2020

2021/09131 ~ Complete ~54:METHOD AND CRYSTALLIZING TANK AND ARRANGEMENT THEREOF FOR CRYSTALLIZING CALCIUM NITRATE FROM THE NITRO-PHOSPHATE PROCESS ~71:YARA INTERNATIONAL ASA, Drammensveien 131, Norway ~72: LIER, Olav;LOUWE, Robertus~ 33:EP ~31:19185147.6 ~32:09/07/2019

2021/09084 ~ Complete ~54:REAL-TIME THREAT DETECTION FOR ENCRYPTED COMMUNICATIONS ~71:SNODE TECHNOLOGIES (PTY) LTD, Centurion Gate Office Park, South Africa ~72: NAIDOO, Nithendren~

2021/09090 ~ Complete ~54:MARKING METHOD FOR STOLON TIP OF STRAWBERRY ~71:Guizhou Horticultural Institute (Guizhou Horticultural Engineering Technology Research Center), Guizhou Academy of Agricultural Sciences, No. 1 Jinnong Road, Jinxin Community, Jinzhu Town, Huaxi District, Guiyang City, Guizhou Province, 550006, People's Republic of China ~72: WANG, Aihua~

2021/09107 ~ Complete ~54:A PREDICTING AND MONITORING DEVICE OF ROCK CRACK PROPAGATION DIRECTION ~71:Linyi University, Middle section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276000, People's Republic of China ~72: Jia Chuanyang;Liu Keming;Sun Xizhen~ 33:CN ~31:202110053810.3 ~32:15/01/2021

2021/09133 ~ Complete ~54:SELF-ASSEMBLING PEPTIDES IN THE PREVENTION AND TREATMENT OF CAVITATED CARIOUS LESIONS ~71:CRENDENTIS AG, Dorfstr. 69 5210, Switzerland ~72: HUG, Michael;LYSEK, Dominikus Amadeu;NOVY, Brian, B.~ 33:EP ~31:19185523.8 ~32:10/07/2019

2021/09076 ~ Provisional ~54:CARAPAX SYSTEM FOR MINIMISING THEFT OF CABLES ~71:Cecil Albert Mltchell, 52 Alexandra Road, South Africa ~72: Cecil Albert Mltchell~

2021/09089 ~ Complete ~54:AN INFRARED IMAGER AND A SIGNAL CORRECTION METHOD THEREOF ~71:NORTH CHINA ELECTRIC POWER UNIVERSITY (BAODING), No.619, Yonghua North Street, Lianchi District, Baoding, Hebei, 071000, People's Republic of China ~72: FAN, Xiaozhou;ZHOU, Yuhao~ 33:CN ~31:202111150826.2 ~32:29/09/2021

2021/09094 ~ Complete ~54:CHINESE MEDICINAL COMPOSITION FOR TREATING CHRONIC NONBACTERIAL PROSTATITIS ~71:LONGHUA Hospital Shanghai University of Traditional Chinese Medicine, No. 725 Wanping Road South, Xuhui District, Shanghai City, People's Republic of China ~72: Bai Huiming;Cao Hongwen;Chen Lei;Feng Yigeng;Gao Renjie;Li Haibin;Song Zixi;Wang Dan;Wu Xiaotong;Xu Min;Zhao Wenyang;Zhou Zhiheng~

2021/09105 ~ Complete ~54:SLIDING TRI-PETAL SLEEVE FOR CONNECTING STEEL BARS ~71:China Railway Development Investment Co., Ltd., No.383 Dunhua Road, Shibei District, Qingdao City, Shandong Province, People's Republic of China;China Railway First Bureau Group Fifth Engineering Co., Ltd., No.5 Zhongtan Road, Weibin District, Baoji City, Shaanxi Province, People's Republic of China;Qingdao Metro Line 6 Co., Ltd., No.177 Binhai Avenue, Huangdao District, Qingdao City, Shandong Province, People's Republic of China;Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Chen Jiakai;Gu Hangping;Huang Cheng;Jiang Jinyan;Jiang Xiaoming;Liu Quanwei;Wang Peijun;Wang Qishuai;Wang Qitao;Xiao Yongqiang;Zhao Jizeng;Zong Chao~

2021/09120 ~ Complete ~54:STIRRING MUD-SCRAPING SYSTEM FOR MECHANICALLY ACCELERATED CLARIFICATION TANK AND USING METHOD THEREOF ~71:Jiangsu YiHuan Group Co., Ltd, Technical Department, 518 Lvyuan Road, Huankeyuan, Yixing, Jiangsu, 214200, People's Republic of China ~72: Chao YANG;Junliang HANG;Lei ZHU;Qianbin HANG;Yiming YIN~ 33:CN ~31:202110998720.1 ~32:27/08/2021

2021/09125 ~ Complete ~54:DIHYDROOROTATE DEHYDROGENASE INHIBITORS ~71:Janssen Biotech, Inc., 800/850 Ridgeview Drive, HORSHAM 19044, PA, USA, United States of America ~72: DERATT, Lindsey;KUDUK, Scott;WANG, Aihua;ZHANG, Zhuming~ 33:US ~31:62/835,113 ~32:17/04/2019

2021/09092 ~ Complete ~54:ORAL CHINESE MEDICINAL COMPOSITION FOR TREATING PSORIASIS ~71:Heilongjiang University of Chinese Medicine, No. 24 Heping Road, Xiangfang District, Harbin City, Heilongjiang Province, People's Republic of China ~72: Duan Ying;Fan Chuchen;Feng Tiantian;Fu Qiang;Hu Jianhui;Liu Huiyun;Ma Yanchun;Pu Guangyuan;Wu Wenxuan~

2021/09093 ~ Complete ~54:REMOTE SENSING CLASSIFICATION AND IDENTIFICATION METHOD, DEVICE, EQUIPMENT AND STORAGE MEDIUM FOR SOIL GROUPS ~71:Qingdao Agricultural University, No.700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China;Shandong Provincial NO 4 Institute Of Geological and Mineral Survey, No.2375 Xiangyang Road, Weicheng District, Weifang City, Shandong Province, People's Republic of China ~72: Cui Dejie;Guo Zhiqian;Liu Xinwei;Shao Yirui;Song Xiangyun;Yi Weihong;Yin Jianguo;Zhang Xiaoguang~

2021/09096 ~ Complete ~54:PORTABLE DIGITAL REFRACTOMETER ~71:Hangzhou Lohand Biological Technology CO., Ltd., 63 Jiuhuan Road, JiangGan District, HangZhou City, Zhejiang Province, People's Republic of China ~72: Bao Weifang;Cheng Huan;Shen Jian;Wu Dan~

2021/09115 ~ Complete ~54:COMPOSITION AND METHOD FOR ENHANCING SPORE GERMINATION AND BIOLOGICAL EFFICACY ~71:DANSTAR FERMENT AG, Poststrasse 30, Switzerland ~72: GOBLE, Tarryn;ROGALSKA, Selma~ 33:EP ~31:19176596.5 ~32:24/05/2019

2021/09116 ~ Complete ~54:A METHOD OF DECREASING CONCENTRATION OF TAU (T) PROTEIN AND/OR PHOSPHORYLATED TAU (T) PROTEIN ~71:UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG, 1 Jan Smuts Avenue, Braamfontein,, South Africa ~72: BIGNOUX, Monique J.;CUTTLER, Katelyn;OTGAAR, Tyrone Chad;VAN DER MERWE, Eloise;WEISS, Stefan Franz Thomas~ 33:ZA ~31:2019/02879 ~32:09/05/2019

2021/09122 ~ Complete ~54:A PROCESS FOR THE MANUFACTURING OF (6AR,10AR)-7-PROPYL-6,6A,7,8,9,10,10A,11-OCTAHYDRO-[1,3]DIOXOLO[4',5':5,6]BENZO[1,2-G]QUINOLINE AND (4AR,10AR)-1-PROPYL-1,2,3,4,4A,5,10,10A-OCTAHYDRO-BENZO[G]QUINOLINE-6,7-DIOL ~71:H. LUNDBECK A/S, Ottilavej 9, 2500, Valby, Denmark ~72: FRANS DENNIS THERKELSEN;KÅRE SØNDERGAARD;MARTIN JUHL;MIKKEL FOG JACOBSEN;TOBIAS GYLLING FRIHED~ 33:DK ~31:PA 2019 00600 ~32:20/05/2019

2021/09126 ~ Complete ~54:GRADIENT-BASED PREDICTION REFINEMENT FOR VIDEO CODING ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: CHIEN, Wei-Jung;HUANG, Han;KARCZEWICZ, Marta~ 33:US ~31:62/849,352 ~32:17/05/2019;33:US ~31:16/874,057 ~32:14/05/2020

2021/09087 ~ Complete ~54:EXTRACTION METHOD OF CHARACTERISTIC POINTS FOR GROUND OBJECT OF AERIAL PHOTOGRAPHS BASED ON UNMANNED AERIAL VEHICLE REMOTE SENSING TECHNIQUE ~71:Guizhou Institute Of Pratacultural, No.1 JinNong Road, Jinxin Community, Huaxi District, Guiyang City, Guizhou Province, People's Republic of China ~72: Chen Jianjun;Qin Yu;Ruan Xirui;Song Xuelian;Wang Zhiwei;Yi Shuhua;Yue Guangyang;Zhang Wen~

2021/09099 ~ Complete ~54:HYBRID LOCOMOTIVE ~71:Anhui Wanhong Rail Traffic Equipment Co., Ltd, No. 30, Xinghui Road, Chengnan Industrial Zone, Wuhe County, Bengbu City, Anhui Province, 233300, People's Republic of China ~72: HUANG, Quanguai~

2021/09108 ~ Complete ~54:METALLIC CAN LID ~71:TOP CAP HOLDING GMBH, Andreas-Hofer-Straße 2, Kufstein, Austria ~72: PIECH, Gregor Anton~ 33:EP ~31:18178561.9 ~32:19/06/2018

2021/09121 ~ Complete ~54:NOVEL CANCER ANTIGENS AND METHODS ~71:ENARA BIO LIMITED, Magdalen Centre The Oxford Science, Park 1 Robert Robinson Avenue, United Kingdom;THE FRANCIS CRICK INSTITUTE LIMITED, 1 Midland Road, United Kingdom ~72: ATTIG, Jan;KASSIOTIS, George;MARINO, Fabio;YOUNG, George~ 33:EP ~31:19184680.7 ~32:05/07/2019;33:EP ~31:20170224.8 ~32:17/04/2020

2021/09098 ~ Complete ~54:EFFICIENT COAL SLURRY DEEP SEPARATION PROCESS ~71:Shandong University of Science & Technology, 579 Qianwangang Road, Huangdao District, Qingdao, Shandong Province, People's Republic of China ~72: Cui Guangwen;Liu Huijie~

2021/09103 ~ Complete ~54:ROCK BURST PREVENTION AND CONTROL METHOD OF BROKEN BOTTOM COAL DRILLING COMBINED WITH BLASTING PRESSURE RELIEF ~71:China Coal Technology and Engineering Group Chongqing Research Institute Co., Ltd., No. 6, Kecheng Road, Jiulongpo District, Chongqing, 400039, People's Republic of China ~72: CAO, Jianjun;CHEN, Guohong;HU, Jie;LI, Chengcheng;LI, Shengzhou;LI, Siqian;LIU, Huaifu;LIU, Jun;LU, Zhanjin;NIU, Xingang;REN, Qihan;WANG, Zhonghua;XU, Junjian;XU, Zunyu;YUAN, Benqing~

2021/09100 ~ Complete ~54:EFFICIENT DESLIMING SEPARATION PROCESS ~71:Shandong University of Science & Technology, 579 Qianwangang Road, Huangdao District, Qingdao, Shandong Province, People's Republic of China ~72: Cui Guangwen;Liu Huijie~

2021/09112 ~ Complete ~54:A PRECISION TEMPERATURE CONTROL DEVICE AND METHOD SUITABLE FOR FRIEDEL CRAFTS REACTION IN IBUPROFEN PRODUCTION ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, People's Republic of China ~72: Baoming SHAN;Fangkun ZHANG;Qilei XU;Yinglong WANG;Zhaoyou ZHU~

2021/09124 ~ Complete ~54:COMPOUNDS TARGETING PROTEINS AND PHARMACEUTICAL COMPOSITIONS THEREOF, AND THEIR THERAPEUTIC APPLICATIONS ~71:BIOOTHERYX, INC., 20 Cabin Ridge Road, Chappaqua, New York, 10514, United States of America ~72: APARAJITA HOSKOTE CHOURASIA;DAVID AARON HECHT;EDUARDO TORRES;FRANK MERCURIO;IMELDA LAM;KYLE W.H. CHAN;LEAH FUNG;PAUL E ERDMAN;ROBERT SULLIVAN~ 33:US ~31:62/852,844 ~32:24/05/2019

2021/09086 ~ Complete ~54:MOSE2/DEFECT-RICH ZNIN2S4/CDSE DUAL Z-SCHEME PHOTOCATALYST FOR PHOTOCATALYTIC WATER SPLITTING TO HYDROGEN ~71:Qingdao University of Science and Technology, No. 53, Zhengzhou Road, Sifang District, Qingdao City, Shandong Province, 266042, People's Republic of China ~72: LI, Zhenjiang;MENG, Alan;WANG, Xianghu;WANG, Xuehua;YANG, Hui~ 33:CN ~31:202110498482.8 ~32:08/05/2021

2021/09104 ~ Complete ~54:THIN-WALLED STEEL PIPE HOLLOW-RIBBED CONCRETE COMPOSITE SLAB, FLOOR SLAB, BUILDING AND MANUFACTURING METHOD THEREOF ~71:China Railway Development Investment Co., Ltd, No.383 Dunhua Road, Shibei District, Qingdao City, Shandong Province, People's Republic of China;China Railway First Bureau Group Fifth Engineering Co., Ltd, No.5 Zhongtan Road, Weibin District, Baoji City, Shaanxi Province, People's Republic of China;Qingdao Metro Line 6 Co., Ltd, No.177 Binhai Avenue, Huangdao District, Qingdao City, Shandong Province, People's Republic of China;Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Chen Jiakai;Huang Cheng;Jiang Jinyan;Jiang Xiaoming;Liu Quanwei;Liu Xinyu;Wang Peijun;Wang Qitao;Xia Chengxin;Xiao Yongqiang;Zhao Jizeng;Zhu Hao;Zong Chao~

2021/09113 ~ Complete ~54:A PRECISION TEMPERATURE CONTROL DEVICE AND METHOD SUITABLE FOR FRIEDEL CRAFTS REACTION IN IBUPROFEN PRODUCTION ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, People's Republic of China ~72: Baoming SHAN;Fangkun ZHANG;Qilei XU;Yinglong WANG;Zhaoyou ZHU~

2021/09110 ~ Complete ~54:METHOD FOR IDENTIFYING PARTIAL DISCHARGE PATTERN OF TRANSFORMER BASED ON DISCHARGE FINGERPRINT DATABASE ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, NO.168, SHUNGENG MIDDLE ROAD, People's Republic of China ~72: MEI LI;ZHE LIANG~

2021/09119 ~ Complete ~54:STEEL WIRE ROPE GRILLE OVERLOAD PROTECTION APPARATUS ~71:JIANGSU YIHUAN GROUP CO., LTD., Technical Department, 518 Lvyuan Road, Huankeyuan, Yixing, Jiangsu, 214200, People's Republic of China ~72: Chengliang QIANG;Fei ZOU;Junliang HANG;Lei ZHU;Yiming YIN~ 33:CN ~31:202011282845.6 ~32:17/11/2020

2021/09117 ~ Complete ~54:SUBSEA DUPLEX PUMP, SUBSEA PUMPING SYSTEM, AND SUBSEA PUMPING METHOD ~71:WRIGHT, David, C., 28019 Buena Way Spring,, United States of America ~72: WRIGHT, David, C.~

- APPLIED ON 2021/11/17 -

2021/09135 ~ Provisional ~54:ANTHROPOMETRIC GROWTH APPARATUS ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street,, South Africa ~72: McCUNAN, Klara;VAN NIEKERK, Evette~

2021/09154 ~ Complete ~54:METHOD TO QUANTIFY THE RELIABILITY OF HUMAN FACTORS BASED ON FRACTURING OPERATION SHIFT ~71:Southwest Petroleum University, No. 8, Xindu Avenue, Xindu District, Chengdu, Sichuan, People's Republic of China ~72: Chen Bo;Lin Chunhua;Pang Xiyue~

2021/09157 ~ Complete ~54:RADIOTHERAPY POSITIONING DEVICE FOR TUMOR ~71:Jiangsu Cancer Hospital, Jiangsu Cancer Hospital ,42 Bai Zi Ting Road, Xuanwu District, Nanjing City, Jiangsu Province, People's Republic of China ~72: He Xia;Jiang Xuesong;Liu Yatian;Wu Jianfeng;Wu Jing;Xie Peng;Zhu Huanfeng~

2021/09158 ~ Complete ~54:CORE SHELL STRUCTURE-BASED NANOPARTICLES FOR TARGETED DRUG-DELIVERY AND PREPARATION METHOD THEREOF ~71:LINYI UNIVERSITY, Middle Section of Shuangling Road, Lanshan District, Linyi City, Shandong Province, 276005, People's Republic of China ~72: DU, Hairong;LI, Qiong;WANG, Yilin;XIONG, Xuefan;ZHANG, Shusheng~ 33:CN ~31:202011300962.0 ~32:19/11/2020

2021/09166 ~ Complete ~54:AN EDUCATION FOCUSED INCOME AID ~71:VAST PROFESSIONAL CONSULTING (PTY) LTD., 43 Van Tonder Road, Unit 31 Tuscani Lofts, Edenglen, Gauteng, 1609, South Africa ~72: TRISHAN NAIDOO~ 33:ZA ~31:2020/06950 ~32:09/11/2020

2021/09134 ~ Provisional ~54:TRACK THE CASH - TRAKDEKASH ~71:Sadiki Mbebe, 8 Impala Avenue. Helderkruijn, South Africa ~72: Sadiki Mbebe~

2021/09143 ~ Complete ~54:A STRESS-RESISTANT ORGANIC SOIL AMENDMENT WITH BIOSTIMULATION AND ITS PREPARATION METHOD ~71:Jining Yanzhou agricultural and rural Bureau, 323 Jianshedong Road, Yanzhou District, Jining City, Shandong Province, People's Republic of China;Qingdao Agricultural University, College of Agronomy, Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China;Shandong Chunyi Agricultural Technology Development Co., Ltd, Changzhuang village, Jiangyu Town, Linqu County, Weifang City, Shandong Province, People's Republic of China ~72: Liu Xingwei;Liu Yiguo;Shi Changhai;Wan Xuejie;Zhang Yan;Zhang Yumei~

2021/09145 ~ Complete ~54:PLANTING METHOD TO INCREASE WHEAT YIELD ON DRY LAND ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao, Shandong Province, People's Republic of China; Rizhao Agricultural Technical Service Center, 188 Beijing Road, Donggang District, Rizhao city, Shandong Province, People's Republic of China; Shandong Chunyi Agricultural Technology Development Co., Ltd, Changzhuang village, Jiangyu Town, Linqu County, Weifang City, Shandong Province, People's Republic of China ~72: An Peng; Che Lin; Lin Zhidong; Liu Xingwei; Liu Yiguo; Shi Changhai; Shi Junhui; Wang Heng; Wang Kehui; Wu Di~

2021/09161 ~ Complete ~54:CALCULATION METHOD FOR ORTHOTROPIC STEEL BRIDGE DECK ~71:South China University of Technology, 381 Wushan Road, Tianhe District, Guangzhou City, Guangdong Province, 510641, People's Republic of China ~72: FANG, Mingshan; GAO, Xing; MA, Niujiang; PIAO, Long; ZHANG, Xingzhi~

2021/09178 ~ Complete ~54:A METHOD OF ABATING CARBON DIOXIDE AND HYDROGEN SULFIDE ~71:BARNARD COLLEGE, 009 Broadway, United States of America; CARBFIX, BæjarháIsi 1, Iceland; THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK, 412 Low Memorial Library, 535 West 116th Street, United States of America; UNIVERSITY OF ICELAND, Institute of Earth Sciences, Sturlugata 7, Iceland ~72: ALFREÐSSON, Helgi A.; ARADÓTTIR, Edda Sif Pind; ARNARSON, Magnús Þór; CLARK, Deirdre Elizabeth; GÍSLASON, Sigurður Reynir; GALECZKA, Iwona M.; GUNNARSSON, Ingvi; GUNNLAUGSSON, Einar; JÓNSSON, Þorsteinn; MATTER, Jürg; MESFIN, Kiflom G.; OELKERS, Eric H.; SIGFÚSSON, Bergur; SIGHVATSSON, Húni; SIGURÐARDÓTTIR, Hólmfriður; SNÆBJÖRNSDÓTTIR, Sandra Ósk; STEFÁNSSON, Andri; STUTE, Martin; VOIGT, Martin Johannes; WOLFF-BOENISCH, Domenik~ 33:EP ~31:19175986.9 ~32:22/05/2019

2021/09188 ~ Complete ~54:METHODS AND COMPOSITIONS FOR GENERATING NITRIC OXIDE AND USES THEREOF ~71:Thirty Holdings Limited, 1 Red Place, LONDON W1K 6PL, UNITED KINGDOM, United Kingdom ~72: MUNRO, Hugh Semple; WOOD, Christopher Barry~ 33:GB ~31:1907969.8 ~32:04/06/2019; 33:GB ~31:1915280.0 ~32:22/10/2019; 33:GB ~31:2005980.4 ~32:23/04/2020

2021/09148 ~ Complete ~54:ON-LINE DETECTION SYSTEM FOR INTEGRATION OF WATER AND FERTILIZER ~71:Qingdao Agricultural Technology Extension Center, 10 Yanerdao Road, Shinan District, Qingdao City, Shandong Province, People's Republic of China; Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, People's Republic of China; Shandong Chunyi Agricultural Technology Development Co., Ltd, Changzhuang village, Jiangyu Town, Linqu County, Weifang City, Shandong Province, People's Republic of China ~72: Che Lin; Jiang Wen; Li Songjian; Lin Zhidong; Liu Xingwei; Liu Yiguo; Yan Weiting~

2021/09162 ~ Complete ~54:MULTILAYER THERMAL INSULATING LOADING DEVICE FOR HIGH-TEMPERATURE BLASTING BOREHOLE OF OPEN-PIT MINE ~71:China University of Mining and Technology, No 1, Daxue Road, Xuzhou, Jiangsu, 221000, People's Republic of China; Xinjiang Coalfield Fire-Extinguishing Engineering Bureau, No. 83, Liudaowan Road, Shuimogou District, Urumqi City, Xinjiang Uygur Autonomous Region, 830063, People's Republic of China ~72: BAO, Xingdong; CAO, Fei; DENG, Rong; HU, Zhimin; QING, Shangkun; SHAO, Zhenlu; SUN, Huahai; TANG, Xiaofei; WEI, Jun; XU, Yan; ZHANG, Guofu; ZHANG, Yong; ZHONG, Xiaoxing; ZHOU, Tao~

2021/09165 ~ Complete ~54:RADIOMETRIC MEASURING DEVICE FOR DETERMINING A MASS FLOW RATE ~71:VEGA Grieshaber KG, Hauptstraße 5, WOLFACH 77709, GERMANY, Germany ~72: LAUN, Robert; WALDECKER, Natalie~ 33:DE ~31:10 2020 133 594.6 ~32:15/12/2020

2021/09174 ~ Complete ~54:SYSTEM AND METHOD FOR AUTOMATICALLY ENERGIZING PACKING MATERIAL WITH A PACKING LOADING ASSEMBLY ~71:A.W. CHESTERTON COMPANY, 860 SALEM STREET, GROVELAND, MA 01834, USA, United States of America ~72: AZIBERT, Henri Vincent;GRIMANIS, Michael, P.;MAHONEY, Philip, Michael, Jr.;POWERS, Robert, James~ 33:US ~31:62/835,966 ~32:18/04/2019

2021/09189 ~ Complete ~54:MOTORCYCLE REAR-BRAKE ADAPTOR UNIT ~71:Ambrosia Investments Ltd, 7 Jacob Cohen Street, RAMAT HASHARON 4721332 , ISRAEL, Israel ~72: SHAFFIR, Ram~ 33:US ~31:16/416,240 ~32:19/05/2019

2021/09198 ~ Complete ~54:METHODS OF TREATING CANCER WITH SIRP ALPHA FC FUSION IN COMBINATION WITH AN IMMUNE CHECKPOINT INHIBITOR ~71:ALX ONCOLOGY INC., 323 Allerton Avenue, South San Francisco, California, 94080, United States of America ~72: HONG WAN;JAUME PONS;SOPHIA RANDOLPH~ 33:US ~31:62/855,821 ~32:31/05/2019;33:US ~31:63/022,187 ~32:08/05/2020

2021/09147 ~ Complete ~54:WIDE RIDGE AND FURROW SOWING CULTIVATION TECHNOLOGY OF WHEAT IN SALINE-ALKALI LAND ~71:Agricultural and Rural Bureau of Zhucheng, 59 Fuqian Road, Zhucheng, Weifang, Shandong Province, People's Republic of China;QingDao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao, Shandong Province, People's Republic of China;Shandong Agriculture Technology Popularizing Center, 112Jiefang Road, Jinan, Shandong Province, People's Republic of China ~72: Che Lin;Han Wei;Lin Zhidong;Liu Hongjun;Liu Yiguo;Yan Weiting~

2021/09155 ~ Complete ~54:HIGH-PERFORMANCE SMFE12-BASED PERMANENT MAGNET POWDER AND PREPARATION METHOD THEREOF ~71:North China University of Technology, 21 Bohai Avenue, Caofeidian District, Tangshan City, Hebei Province, People's Republic of China ~72: Feng Yunli;Liu Kun;Wang Shuhuan;Zhang Pengjie;Zhang Yikun~ 33:CN ~31:202111085055.3 ~32:16/09/2021

2021/09152 ~ Complete ~54:METHOD FOR FARMING PROCAMBARUS CLARKII BY BIOFLOC TECHNOLOGY (BFT) ~71:Shanghai Ocean University, No.999, Huchenghuan Rd,Nanhui New City, Shanghai , 201306, People's Republic of China ~72: CHENG, Yongxu;LI, Jiayao;LI, Jinghao~

2021/09160 ~ Complete ~54:WIRELESS CHARGING SYSTEM USING BEAMFORMING ANTENNAS ~71:JIN, Hulin, Room 602, No.114, Lane 715, Wanxia Road, Pudong New Area, Shanghai, 201202, People's Republic of China ~72: JIN, Hulin~

2021/09168 ~ Complete ~54:SEED CRYSTAL PREPARATION METHOD APPLIED TO CRYSTALLIZATION PROCESS ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, People's Republic of China ~72: Baoming SHAN;Bing WU;Fangkun ZHANG~

2021/09176 ~ Complete ~54:BRAKE EQUIPMENT WEAR MONITORING FOR REMAINING USEFUL LIFE ~71:New York Air Brake, LLC, 748 Starbuck Avenue, United States of America ~72: CALL, Derick~ 33:US ~31:16/434,227 ~32:07/06/2019

2021/09183 ~ Complete ~54:NOVEL COMPOUNDS FOR INHIBITION OF JANUS KINASE 1 ~71:MANKIND PHARMA LTD., 208, Okhla Industrial Estate, Phase III, India ~72: ALI, Sazid;BANDGAR, Mahadev;BAPURAM, Srinivasa Reddy;GUNJAL, Amol Pandurang;KUMAR, Anil;PATIL, Rakesh Iswar;RAI, Himanshu;RAI, Santosh Kumar~ 33:IN ~31:201911021098 ~32:28/05/2019

2021/09199 ~ Complete ~54:ELECTRODE ASSEMBLY, SECONDARY BATTERY, AND METHOD OF MANUFACTURE ~71:ENOVIX CORPORATION, 3501 W. Warren Ave., Fremont, California, 94538, United States of America ~72: ANTHONY CALCATERRA;ASHOK LAHIRI;BENJAMIN L CARDOZO;BRUNO A

VALDES;JEREMIE J DALTON;KIM HAN LEE;MURALI RAMASUBRAMANIAN;ROBERT S BUSACCA~ 33:US
~31:62/849,071 ~32:16/05/2019

2021/09146 ~ Complete ~54:MULTI-FUNCTIONAL SPIRAL PUSHING TYPE SUPPLEMENTARY FEEDING
MACHINE FOR DAIRY COWS ~71:Shandong Agricultural University, 61 Daizong Street, Tai'an City,
Shandong Province, 271018, People's Republic of China ~72: Lin Xueyan;Song Zhanhua;Tian Fuyang;Wang
Zhonghua;Yan Yinfa;Yan Zhengui;Yu Zhenwei;Yuan Xin~ 33:CN ~31:2021112672724 ~32:29/10/2021

2021/09151 ~ Complete ~54:METHOD FOR DETECTING OTA BY POLYMETHACRYLIC ACID LPFG
~71:Biology Institute of Shandong Academy of Sciences, Biology Institute of Shandong Academy of Sciences, No.
28789, Jingshi East Road, Caishi Town, Licheng District, Jinan City, Shandong Province, 250100, People's
Republic of China ~72: CAI, Lei;LI, Qiushun;LIU, Qing'ai;MA, Yaohong;MENG, Qingjun;YANG, Junhui;YANG,
Yan~

2021/09153 ~ Complete ~54:BIOMARKERS RELATED TO THE OCCURRENCE AND DEVELOPMENT OF
ESOPHAGEAL CANCER ~71:Capital Medical University, No.10 West Toutiao, You'anmenwai, Fengtai District,
Beijing, People's Republic of China ~72: Feng Wei;Guo Xiuhua;Liu Xiangtong;Pan Huiying;Tao Lixin;Wang
Xiaonan;Wu Zhiyuan;Zhang Haiping;Zhang Jie~

2021/09159 ~ Complete ~54:SOIL CONDITIONING BACTERIAL AGENT AND COMBINATION THEREOF WITH
LIME NITROGEN ~71:Sichuan Liangshan Tobacco Company, No.432 of East Fork road, Xichang City, Liangshan
Prefecture, Sichuan Province, 615000, People's Republic of China;Zhengzhou University, No.100 Science
Avenue, High-tech Zone, Zhengzhou City, Henan Province, 450001, People's Republic of China ~72: Chen,
Yulan;Li, Hongli;Li, Zhongkui;Ling, Aifen;Luo, Lin;Wang, Yan;Wang, Yong;Xie, Shiqi;Zhang, Susu~ 33:CN
~31:202011378315.1 ~32:01/12/2020

2021/09197 ~ Complete ~54:A HAIR OIL APPLICATOR ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight,
Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANUP KISAN CHALKE~ 33:EP ~31:19180513.4
~32:17/06/2019

2021/09191 ~ Complete ~54:COMPOSITE MATERIAL PRODUCTION LINE AND PRODUCTION METHOD
BASED ON VERTICAL GRAVITY TENSIONING METHOD ~71:JIANGSU YUNXIN ELECTRICAL CO., LTD,
Baita Village, Xizhu Town, , Yixing City, Wuxi, Jiangsu , 214236, People's Republic of China ~72: CHEN,
Chao;GAO, Weikai;JIANG, Jiayun;JIANG, Wenjun~ 33:CN ~31:201910463797.1 ~32:30/05/2019;33:CN
~31:201910465048.2 ~32:30/05/2019;33:CN ~31:201920803061.X ~32:30/05/2019

2021/09144 ~ Complete ~54:RAPID DETECTION METHOD OF WEISSELLA VIRIDESCENS BASED ON
DROPLET DIGITAL PCR ~71:Linyi University, Middle Section of Shuangling Road, Lanshan District, Linyi City,
Shandong Province, People's Republic of China ~72: Gong Min;Lin Xiangna;Liu Lingxiao;Liu Yunguo;Liu Zhen;Qi
Chengtian;Sui Zhihai;Wu Huanyu~

2021/09138 ~ Complete ~54:SAFE MAINTENANCE METHOD OF HIGHWAY TUNNEL STRUCTURE
~71:Chengdu Yanghua Yuandong New Materials Science and Technology Co., Ltd., China (Sichuan) Pilot Free
Trade Zone, No.1, Floor 3, Building 1, No.366, North Section of Lakeside Road, Tianfu New District, Chengdu
City, Sichuan Province, People's Republic of China;GuangXi Beitou Transportation Maintenance Technology
Group Co.,Ltd., No.153,National Road, Qingxiu District, Nanning City, GuangXi, People's Republic of China ~72:
Chang Zhenchao;Chen Yuanpeng;Hao Tianzhi;Huang Haifeng;Jiang Yajun;Li Yangyi;Liao Laixing;Luo Junhui;Mi
Decai;Mo Peng;Wang Shihai;Wu Chunwei;Wu Yuhang;Xiao Huarong;Zhou Xiang~

2021/09139 ~ Complete ~54:IMAGE FEATURE RECOGNITION METHOD OF YELLOW RIVER ICE DAM
~71:Yellow River Institute of Hydraulic Research, No. 45 Shunhe Road, Jinshui District, Zhengzhou City, Henan

Province, People's Republic of China ~72: Deng Yu;Gao Guoming;Li Chunjiang;Li Shuxia;Ma Zipu;Shi Fangxin;Su lei;Tian Zhizong;Xie Zhigang;Xu Lukai;Yu Guoqing;Yue Yusu;Zeng He;Zhang Baosen;Zhang Xiaohua~

2021/09141 ~ Complete ~54:ROAD VEGETATION GREENING WEEDING SANITATION DEVICE AND WORKING METHOD THEREOF ~71:Xuzhou Institute of Technology, No.2 Lishui Road, Yunlong District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Tan Xuehong~

2021/09140 ~ Complete ~54:SPIRAL ANNULAR SHAPED CHARGE CUTTING LINER ~71:Shandong University of Technology, No. 266 West Xincun Road, Zhangdian District, Zibo City, Shandong Province, People's Republic of China ~72: Chu Fujiao;Li Haizhou;Wang Jie;Yu Hui;Zhang Xiaojun~

2021/09164 ~ Complete ~54:4 - IMIDAZOPYRIDAZIN- 1 -YL-BENZAMIDES AND 4 - IMIDAZOTRIAZIN- 1 - YL - BENZAMIDES AS BTK- INHIBITORS ~71:Merck Sharp & Dohme B.V., Waardeweg 39, BN HAARLEM NL-2031, THE NETHERLANDS, Netherlands ~72: BARF, Tjeerd A.;DE MAN, Antonius Petrus Adrianus;JANS, Christiaan Gerardus Johannes Maria;OUBRIE, Arthur A.;RAAIJMAKERS, Hans C.A.;REWINKEL, Johannes Bernardus Maria;STERRENBURG, Jan Gerard;WIJKMANS, Jacobus C.H.M.~ 33:EP ~31:11174578.2 ~32:19/07/2011;33:US ~31:61/509,397 ~32:19/07/2011

2021/09170 ~ Complete ~54:AMERICAN GINSENG COMPOUND BEVERAGE AND PRAPARATION METHOD THEREOF ~71:INSTITUTE FOR APPLICATION OF ATOMIC ENERGY, SHANDONG ACADEMY OF AGRICULTURAL SCIENCES (SHAN DONG RADIATION CENTER, INSTITUTE OF AGRO-FOOD SCIENCES AND TECHNOLOGY, SAAS), 198 Industrial North Road, Licheng District, Shandong, People's Republic of China ~72: CHEN, Yingying;GUO, Xu;LIU, Chao;SHAN, Chenggang;SUN, Jinyue;WANG, Qing;WANG, Xianchang;WANG, Xinkun~ 33:CN ~31:202110024458.0 ~32:08/01/2021

2021/09173 ~ Complete ~54:MODIFIED ANTI-PD-L1 ANTIBODIES AND METHODS AND USES FOR TREATING A NEURODEGENERATIVE DISEASE ~71:IMMUNOBRAIN CHECKPOINT, INC., 3500 S. DUPONT HIGHWAY, DOVER, DELAWARE 19901, USA, United States of America;YEDA RESEARCH AND DEVELOPMENT CO. LTD., WEIZMANN INSTITUTE OF SCIENCE, P.O.BOX 95, 7610002 REHOVOT, ISRAEL, Israel ~72: BARUCH, Kuti;DAVID, Carol;EGEBJERG, Jan;EISENBACH-SCHWARTZ, Michal;JENSEN, Allan;KROGH, Berit, Olsen;YOLES, Ester~ 33:EP ~31:19170438.6 ~32:19/04/2019;33:US ~31:62/836,247 ~32:19/04/2019

2021/09180 ~ Complete ~54:MODULAR NET SYSTEM ~71:MSP MINE SUPPORT PRODUCTS (PTY) LTD, Houtkop Road, Duncanville, South Africa ~72: ENGELBRECHT, Conrad;NISSEN, Christian~ 33:ZA ~31:2019/03136 ~32:20/05/2019

2021/09156 ~ Complete ~54:INTELLIGENT INSPECTION VEHICLE FOR HIGH-SPEED TRACK ~71:Linyi University, Middle Section of Shuangling Road, Linyi City, Shandong Province, 276000, People's Republic of China ~72: LIANG, Ruquan;SHI, Jianhui;SONG, Yuanmei;TONG, Yishi;YANG, Liu;YANG, Yueting;ZHANG, Danhui;ZHANG, Dengbo;ZHANG, Junlan~

2021/09196 ~ Complete ~54:SECURE PAYMENT TRANSACTIONS ~71:PHOS SERVICES LTD, Northside House, 69 Tweedy Road, Bromley, Kent, BR1 3WA, United Kingdom ~72: ANTONINA IVANOVA MARTINOVA;DIYAN STEFANOV NEDELICHEV;IVO ALEXANDROV GUEORGUIEV~ 33:EP ~31:19184193.1 ~32:03/07/2019

2021/09150 ~ Complete ~54:CONNECTING DEVICE FOR HYDRODYNAMIC MODEL EXPERIMENTS OF V-SHAPED OTTER BOARD ~71:Shanghai Ocean University, Huchenghuan Road 999, Pudong New District, Shanghai, People's Republic of China ~72: Chu Wenhua;Yin Chunqing;Yuan Qing~

2021/09163 ~ Complete ~54:PREPARATION METHOD OF ENZYME-HYDROLYZED SOYBEAN MEAL AND ITS APPLICATION IN FEED FOR MICROPTERUS SALMOIDES ~71:Shanghai Ocean University, No.999, Huchenghuan Rd., Pudong New District, Shanghai, 201306, People's Republic of China ~72: CHEN, Naisong;DING, Guitao;LI, Songlin~

2021/09172 ~ Complete ~54:METHOD FOR PREVENTING THE FORMATION OF CALCIFIED DEPOSITS AND FOR INACTIVATING XENOANTIGENS IN BIOLOGICAL MATRICES ~71:BIOCOMPATIBILITY INNOVATION SRL, Via Lorenzo De Antoni, Italy ~72: GANDAGLIA, Alessandro;NASO, Filippo~ 33:IT ~31:102019000007094 ~32:22/05/2019

2021/09175 ~ Complete ~54:NOVEL PEPTIDE COMPOUND OR PHARMACEUTICALLY ACCEPTABLE SALT THEREOF ~71:EYEBIO KOREA, 75, BOKJI-RO BUSANJIN-GU, BUSAN 47392, REP OF KOREA, Republic of Korea ~72: KIM, Jee Young;KIM, Myoung Hwan;KIM, Yoo Seok;KIM, Young In;LIM, Hyeong Joon;LIM, Taek Joo;PARK, Eun Young~ 33:KR ~31:10-2019-0059628 ~32:21/05/2019

2021/09192 ~ Complete ~54:SYSTEM FOR TEAM BALL GAME HAVING INTERACTIVE GOAL BARRIERS ~71:FRITZ VALDEUS, 3001 PGA Blvd, Ste 305 , Palm Beach Gardens, Florida, 33410, United States of America ~72: FRITZ VALDEUS~ 33:US ~31:62/836,281 ~32:19/04/2019

2021/09149 ~ Complete ~54:WASTE TREATMENT DEVICE USED IN PLANT PLANTING PROCESS ~71:Xuzhou Institute of Technology, No.2 Lishui Road, Yunlong District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Tan Xuehong~

2021/09169 ~ Complete ~54:A FARM MANAGEMENT SYSTEM ~71:DIVISION X (PTY) LTD, Ground Floor, Block D, 676 on Gallagher, South Africa ~72: DELATE, Bryan;HURDEEN, Rikash Ramrajh;UNSER, Evan James~ 33:ZA ~31:2020/05067 ~32:17/08/2020

2021/09177 ~ Complete ~54:MODIFIED VIRAL PARTICLES AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: KYRATSOUS, Christos;MOLLER-TANK, Sven;SABIN, Leah~ 33:US ~31:62/852,791 ~32:24/05/2019

2021/09184 ~ Complete ~54:SIALYLATED GLYCOPROTEINS ~71:Janssen Biotech, Inc., 800/850 Ridgeway Drive, HORSHAM 19044, PA, USA, United States of America ~72: PATIL, Siddhesh D.~ 33:US ~31:62/836,016 ~32:18/04/2019

2021/09193 ~ Complete ~54:A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR ~71:UCB BIOPHARMA SRL, 60, Allée de la Recherche, 1070, Brussels, Belgium ~72: ALI ATEES;DAVID SKOLC~ 33:EP ~31:19183643.6 ~32:01/07/2019

2021/09186 ~ Complete ~54:METHOD AND DEVICE FOR REGENERATING A SOLVENT OF CELLULOSE FROM A SPINNING PROCESS ~71:Aurotec GmbH, Seestraße 11, REGAU 4844, AUSTRIA, Austria ~72: ECKER, Friedrich;ZAUNER, Philipp;ZIKELI, Stefan~ 33:EP ~31:19175647.7 ~32:21/05/2019

2021/09136 ~ Provisional ~54:ALCOHOL-FREE ANTIMICROBIAL HAND SANITIZER ~71:COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH, Meiring Naudé Road, South Africa ~72: Katlego Zebedius Setshedi;Michel Lonji Kalombo;Tshepo Patric Nkuna~

2021/09195 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: DAVID CHRISTOPHER THORLEY;JONATHAN BEST;JULIE BENNETT;STEPHEN NORMAN BATCHELOR~ 33:EP ~31:19183203.9 ~32:28/06/2019

2021/09142 ~ Complete ~54:LOWER LIMB EXOSKELETON DEVICE FOR MULTI-POSITION REHABILITATION TRAINING ~71:Shandong University of Technology, Room 313, Block A, High-tech Business Incubator, No.135 Zhengtong Road, High-tech Industrial Development Zone, Zibo City, Shandong Province, People's Republic of China ~72: Bi Wenlong;Ge Wenqing;Sun Binbin;Tan Cao;Wei Xiao;Zhao Yanjun~

2021/09187 ~ Complete ~54:AN INSECT TRAP ~71:Brandenburg (UK) Limited, 29 Navigation Drive, Hurst Business Park, BRIERLEY HILL DY5 1UT, WEST MIDLANDS, UNITED KINGDOM, United Kingdom ~72: KAYE, Mathew Varghese~ 33:GB ~31:1905632.4 ~32:23/04/2019

2021/09137 ~ Complete ~54:UNMANNED AERIAL VEHICLE ~71:DB SLOOTGRAWERDIENS (PTY) LTD, 3 Vreeland Street, Schoonvlei Industrial Area, South Africa ~72: DE BRUIN, Emile~ 33:ZA ~31:2020/05062 ~32:17/08/2020

2021/09167 ~ Complete ~54:THIXOTROPIC MUD FOR EARTH PRESSURE BALANCE JACKING PIPE IN ANHYDROUS SAND LAYER, AND PREPARATION METHOD, GROUTING METHOD AND SLURRY REPLACEMENT METHOD THEREOF ~71:THE CONSTRUCTION ENGINEERING COMPANY OF CTCE GROUP, No.12, Yaotai Street, Hedong District, Tianjin, 300011, People's Republic of China;THE THIRD CONSTRUCTION CO., LTD. OF CTCE GROUP, No.12, Yaotai Street, Hedong District, Tianjin, 300011, People's Republic of China ~72: AN, Xudong;CHAI, Weiling;CHEN, Hongda;GAO, Jun;LI, Chao;LIU, Shuo;LIU, Yang;WANG, Anming;WANG, Chuanyin;WANG, Yu;WANG, Zhongzheng;YANG, Zhi;YU, Ming;ZHANG, Bin;ZHANG, Tao~ 33:CN ~31:CN202110143291.X ~32:02/02/2021

2021/09179 ~ Complete ~54:COMPOUNDS COMPRISING N-METHYL-2-PYRIDONE, AND PHARMACEUTICALLY ACCEPTABLE SALTS ~71:UNIVERSITY OF DUNDEE, NETHERGATE, DUNDEE DD1 4HN, UNITED KINGDOM, United Kingdom ~72: BELL, Mark;WOODLAND, Andrew~ 33:GB ~31:1905721.5 ~32:24/04/2019

2021/09182 ~ Complete ~54:NATRIURETIC PEPTIDE RECEPTOR 1 ANTIBODIES AND METHODS OF USE ~71:NOVARTIS AG, Lichtstrasse 35, Switzerland ~72: DIENER, John Louis;GADTKE, Lars;HARTLEPP, Felix;HU, Tiancen;LADETZKI-BAEHS, Kathrin;ROMANOWSKI, Michael;RUSSO, Cesare;WEZLER, Xenia;XIE, Xiaoling~ 33:US ~31:62/860,508 ~32:12/06/2019

2021/09185 ~ Complete ~54:HIGH VOLTAGE TRANSFORMER, METHOD FOR PRODUCING A HIGH VOLTAGE TRANSFORMER AND TEST SYSTEM AND TEST SIGNAL DEVICE COMPRISING A HIGH VOLTAGE TRANSFORMER ~71:OMICRON electronics GmbH, Oberes Ried 1, KLAUS 6833, AUSTRIA, Austria ~72: ANGLHUBER, Martin;BITSCHNAU, Lukas;KAUFMANN, Reinhard~ 33:AT ~31:A50429/2019 ~32:13/05/2019

2021/09190 ~ Complete ~54:CODING DEVICE, DECODING DEVICE, CODING METHOD, AND DECODING METHOD ~71:Panasonic Intellectual Property Corporation of America, 20000 Mariner Avenue, Suite 200, TORRANCE 90503, CA, USA, United States of America ~72: ABE, Kiyofumi;KATO, Yusuke;NISHI, Takahiro;TOMA, Tadamasu~ 33:US ~31:62/864,728 ~32:21/06/2019

2021/09194 ~ Complete ~54:A SUBSTITUTED TETRAHYDROISOQUINOLINE DERIVATIVE AS A D1 POSITIVE ALLOSTERIC MODULATOR ~71:UCB BIOPHARMA SRL, 60, Allée de la Recherche, 1070, Brussels, Belgium ~72: ANNE VALADE~ 33:EP ~31:19183641.0 ~32:01/07/2019

2021/09200 ~ Complete ~54:METHODS AND COMPOSITIONS OF ASTROVIRUS REPLICONS ~71:INFECTIOUS DISEASE RESEARCH INSTITUTE, 1616 Eastlake Avenue East, Suite 400, Seattle, Washington, 98102, United States of America ~72: ERASMUS, Jesse~ 33:US ~31:62/859,683 ~32:10/06/2019

2021/09171 ~ Complete ~54:FUZZY TOPSIS APPROACH BASED ON IMPROVED EUCLIDEAN DISTANCES ~71:ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY, No. 136, Kexue Avenue, High-tech Zone, Henan Province, People's Republic of China ~72: CHENG, Shuang;HE, Yandong;MA, Panpan;ZHOU, Fuli~

2021/09181 ~ Complete ~54:TYRE SIDEWALL IMAGING METHOD ~71:WheelRight Limited, Begbroke Centre for Innovation & Enterprise, Begbroke Hill, Woodstock Road, United Kingdom ~72: CODD, Alexander Paul;KAZMI, Syed Wajahat Ali Shah~ 33:GB ~31:1906788.3 ~32:14/05/2019

- APPLIED ON 2021/11/18 -

2021/09239 ~ Complete ~54:SUPPORT ~71:Droplet Bag Mine Support Innovations (Pty) Ltd, 23 Doveton Road, Parktown, Johannesburg, Gautent, 2193, South Africa ~72: Johan Heinrich van Vuuren;Oliver Bernard Barker~ 33:ZA ~31:2021/00966 ~32:12/02/2021

2021/09203 ~ Provisional ~54:LIFTING DEVICE TO LIFT STATIONARY OBJECT AND MOVE. ~71:CE O'Reilly, 97 second Avenue, South Africa ~72: CE O'Reilly~ 33:ZA ~31:1 ~32:17/11/2021

2021/09215 ~ Complete ~54:VOLATILE ORGANIC COMPOUND ADSORPTION AND DESORPTION TREATMENT AND RESOURCE RECOVERY DEVICE ~71:Beijing Institute of Petrochemical Technology, 19 Qingyuan North Road, Huangcun district, Daxing District, Beijing, People's Republic of China ~72: Chang Jin;Chen Jianhua;Du Songsong;Gao Le;Huang Long~

2021/09251 ~ Complete ~54:PYRROLIDINE COMPOUNDS ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46206-6288, IN, USA, United States of America ~72: DIAZ BUEZO, Nuria;LAFUENTE BLANCO, Celia;MARTINEZ PEREZ, Jose Antonio;PRIEGO SOLER, Julian;SANZ GIL, Gema Consuelo~ 33:EP ~31:19382477.8 ~32:07/06/2019

2021/09261 ~ Complete ~54:MOLECULES HAVING CERTAIN PESTICIDAL UTILITIES, AND INTERMEDIATES, COMPOSITIONS, AND PROCESSES RELATED THERETO ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: ABDALLAH BACHIR DIAGNE;DAVID A DEMETER;GERALD B WATSON;KENNETH VIRGEL N ESGUERRA;LINDSEY G HORTY;NATALIE C GIAMPIETRO;RONALD J HEEMSTRA;RYAN AARON SCHULDT;THOMAS C. SPARKS;THOMAS J BARTON~ 33:US ~31:62/875,079 ~32:17/07/2019

2021/09233 ~ Complete ~54:SYSTEM AND METHOD FOR TREATING HUMAN AND LIVESTOCK EXCREMENT ~71:Wenzhou University, (Chashan Town, Ou Hai District) Wenzhou Higher Education Park, Wenzhou City, Zhejiang, 325035, People's Republic of China ~72: BEI, Ke;DAI, Chuanjun;FAN, Chunzhen;HAN, Wenjuan;JIN, Zhan;KONG, Hainan;LIU, Renlan;TANG, Ye;WANG, Zhiquan;WU, Suqing;XIAO, Derong;XU, Bentuo;ZHANG, Jintao;ZHAO, Min;ZHENG, Xiangyong~ 33:CN ~31:202110977640.8 ~32:24/08/2021

2021/09254 ~ Complete ~54:GRINDING DEVICE ~71:RUD. STARCKE GMBH & CO. KG, Markt 10, Germany ~72: Christian WALL;Werner UNNERSTALL~ 33:DE ~31:10 2019 119 333.8 ~32:17/07/2019

2021/09206 ~ Complete ~54:AN ALTERNATOR STATOR CLAMPING DEVICE ~71:Giuliano RES, P.O. Box 720, Australia ~72: Giuliano RES~ 33:AU ~31:2020904263 ~32:18/11/2020

2021/09208 ~ Complete ~54:METHOD OF AND SYSTEM FOR ACCESSING A SERVICE PROVIDED BY A MOBILE NETWORK OPERATOR ~71:VANCULAR (PTY) LIMITED, 16 Boipelo Street, Unit 3, South Africa ~72: SEBEGO, Thabang;SHALE, Naleli~

2021/09234 ~ Complete ~54:WHEAT-ALFALFA INTERCROPPING METHOD ~71:MODERN COLLEGE OF HUMANITIES AND SCIENCES OF SHANXI NORMAL UNIVERSITY, No. 1, Gongyuan Street, Linfen City, Shanxi Province, 041004, People's Republic of China ~72: ZHANG, Xiaohong~

2021/09255 ~ Complete ~54:ELECTRIC-RESISTANCE-WELDED STEEL PIPE OR TUBE FOR HOLLOW STABILIZER ~71:JFE STEEL CORPORATION, 2-3, Uchisaiwai-cho 2-chome, Chiyoda-ku, Tokyo, 1000011, Japan ~72: KAZUTOSHI ISHIKAWA;MASATOSHI ARATANI;RYOJI MATSUI;TOMONORI KONDOU~ 33:JP ~31:2019-090627 ~32:13/05/2019

2021/09257 ~ Complete ~54:PROCESS FOR THE PREPARATION OF PRECURSOR COMPOUNDS FOR LITHIUM BATTERY CATHODES ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: BART KLAASEN;HARALD OOSTERHOF;JEAN SCOYER;LENNART SCHEUNIS;WILLEM CALLEBAUT~ 33:EP ~31:19170392.5 ~32:19/04/2019

2021/09258 ~ Complete ~54:CONDENSED TRICYCLIC PYRROLES AS ALPHA-1 ANTITRYPSIN MODULATORS ~71:VERTEX PHARMACEUTICALS INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: ADAM LOOKER;ALES MEDEK;AMY BETH HALL;BRAD MAXWELL;CAVAN MCKEON BLIGH;DENNIS JAMES HURLEY;DIANE BOUCHER;GABRIELLE SIMONE FLEMING;JINWANG XU;JOHN PATRICK MAXWELL;JR. MAC ARTHUR JOHNSON;KATHY STAVROPOULOS;KEVIN JAMES GAGNON;KEVIN MICHAEL COTTRELL;KIRK ALAN OVERHOFF;LEV TYLER DEWEY FANNING;MARIAM ZAKY;MARISA SPOSATO;MEI-HSIU LAI;MICHAEL AARON BRODNEY;MICHAEL JOHN BOYD;MICHAEL PHILIP CLARK;MUNA SHRESTHA;PEDRO MANUEL GARCIA BARRANTES;PETER JONES;PHILIPPE MARCEL NUHANT;QING TANG;REBECCA JANE SWETT;ROBERT DANIEL GIACOMETTI;ROBERT FRANCIS FIMOIGNARI;RONALD LEE GREY JR.;RUPA SAWANT;SAMANTHA GUIDO;SARAH CAROL HOOD;SARATHY KESAVAN;SETU RODAY;SIMON GIROUX;SIYING LIU;STEFANIE ROEPER;STEPHEN THOMSON;STEVEN M RONKIN;TIMOTHY LEWIS TAPLEY;UPUL KEERTHI BANDARAGE;VERONIQUE DAMAGNEZ;YI SHI~ 33:US ~31:62/847,562 ~32:14/05/2019;33:US ~31:63/004,813 ~32:03/04/2020

2021/09204 ~ Provisional ~54:DV8 ~71:Douglas van Breda, 48 Dechavonnes Road, South Africa ~72: Douglas van Breda~

2021/09209 ~ Complete ~54:CHARCOAL COMPOSITIONS AND PROCESSES OF PREPARATION THEREOF ~71:NATHIE, Fatima, 111 Frances Road, Norwood, Johannesburg, South Africa ~72: ARNOLD, Lanie;NATHIE, Fatima~

2021/09214 ~ Complete ~54:OPTIMIZED STRUCTURE AND CONTROL METHOD OF ACTIVE NEUTRAL-POINT-CLAMPED INVERTER BASED ON HYBRID DEVICES ~71:Harbin Institute of Technology, Shenzhen, Harbin Institute of Technology Campus, Shenzhen University town, Taoyuan Street, Nanshan District, Shenzhen City, Guangdong Province, People's Republic of China ~72: Luan Xin;Ye Jian~

2021/09231 ~ Complete ~54:METHOD FOR EVALUATING AND MONITORING QUALITY-ENERGY EFFICIENCY OF COMPUTER NUMERICAL CONTROL MACHINE TOOL MACHINING PROCESS ~71:Shandong University of Science and Technology, No. 579 Qianwangang Road, Economic & Technical Development Zone, Qingdao, Shandong, 266590, People's Republic of China ~72: Chen Hong;Hao Jian;Hou Tianyou;Jia Shun;Ma Le;Min Xiangpeng;Su Shengshuai;Wang Shang;Yang Yang;Zhang Jingyan;Zhang Na~

2021/09243 ~ Complete ~54:A PREPARATION METHOD OF WS₂/FES NANOSPHERE HYBRID CATALYST AND ITS APPLICATION ~71:Qingdao University of Science and Technology, No.99 Songling Road, Laoshan District, People's Republic of China ~72: Dehua ZHENG;Huizhong XU;Jianjian LIN;Lei SUN;Mengyou GAO~

2021/09201 ~ Provisional ~54:COMPOSITION OF READY-TO-EAT SPREADS CONTAINING SUPERFOODS AND A PROCESS FOR THE PREPARATION THEREOF ~71:Superfood Group Inc., 200 Continental Drive, United States of America ~72: Shenai Bridglall~

2021/09210 ~ Complete ~54:METHOD FOR PREPARING SUPER-AMPHIPHOBIC POLYSULFONE MEMBRANE ~71:Qingdao University of Science and Technology, No.53 Zhengzhou Rd, Shibei District, Qingdao, Shandong, 266061, People's Republic of China ~72: FAN, Huiqin;GAO, Ailin;JIA, Changchao;YAN, Yehai;ZHANG, Guangfa;ZHAO, Shuai~

2021/09212 ~ Complete ~54:TUNGSTEN TELLURIDE GROWN WITH NEW RAW MATERIAL AND PREPARATION METHOD THEREOF ~71:Hubei University of Technology, No. 28, Nanli Road, Hongshan District, Wuhan City, Hubei Province, People's Republic of China ~72: Chen Ying~

2021/09219 ~ Complete ~54:WELDED STIRRUP STEEL FRAME BEAM-COLUMN ~71:China Railway Development Investment Co., Ltd., No.383 Dunhua Road, Shibei District, Qingdao City, Shandong Province, People's Republic of China;China Railway Eighth Bureau Group Kunming Railway Construction Co., Ltd., No.321 Chuncheng Road, Guandu District, Kunming City, Yunnan Province, People's Republic of China;Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Bai Yunyan;Cheng Tianxi;Hu Yunfei;Huang Peng;Jiang Xiaoming;Liu Jingwang;Liu Mei;Wang Guangwei;Wang Peijun;Xu Xiangyun;Xu Yanjing;Zhang Wenchao~

2021/09238 ~ Complete ~54:DISLODGE MENT APPARATUS FOR A SWIMMING POOL CLEANER DEVICE ~71:DEON JUAN FOURIE, Plot 181 Doornkloof Irene, Centurion, Gauteng, 0157, South Africa ~72: DEON JUAN FOURIE~ 33:ZA ~31:2020/05129 ~32:19/08/2020

2021/09247 ~ Complete ~54:SMART IRRIGATION CONTROL SYSTEM, AND CONTROL METHOD THEREFOR ~71:Yan LI, No. 29, Gulimutu Road, Bole City Bortala Mongolian Autonomous Prefecture, Xinjiang , 833400, People's Republic of China ~72: Hua CHEN;Yan LI~ 33:CN ~31:201910420714.0 ~32:20/05/2019

2021/09256 ~ Complete ~54:PROCESS FOR THE PREPARATION OF BATTERY PRECURSORS ~71:UMICORE, Rue du Marais 31, 1000, Brussels, Belgium ~72: BART KLAASEN;PIETER VERHEES;WILLEM CALLEBAUT~ 33:EP ~31:19170392.5 ~32:19/04/2019

2021/09263 ~ Complete ~54:METHOD AND DEVICE FOR ANOMALY MONITORING OF PERSONNEL LOCATION ~71:TELCHINA SMART INDUSTRY GROUP CO., LTD., No. 4-901, Yinhe Building, No. 2008, Xinluo Street, High-Tech. Zone, Jinan, People's Republic of China ~72: LI, Min;LIU, Fuhui;MA, Shujie;WANG, Jianqiang;YIN, Rongpeng~ 33:CN ~31:202011147352.1 ~32:23/10/2020

2021/09217 ~ Complete ~54:METHOD FOR CONSTRUCTING ENERGY MANAGEMENT STRATEGY OF HYBRID ELECTRIC VEHICLE BASED ON INTELLIGENT NETWORK CONNECTION ~71:Qingdao University of Technology, No. 777 Jialingjiang Street, Huangdao District, Qingdao City, Shandong Province, People's Republic of China ~72: Li Xinguang;Wang Wenchao;Yuan Jiayu;Zhan Jun;Zhang Aiguo~

2021/09225 ~ Complete ~54:DEVICE AND METHOD FOR MEASURING AND CONTROLLING DIFFUSION RANGE OF CEMENT-BASED GROUT IN OVERBURDEN GROUTING ~71:China Institute of Water Resources and Hydropower Research, A-1 Fuxing Road, Haidian District, Beijing, 100038, People's Republic of China ~72: LI, Na;LU, Wei;REN, Zengzeng;WAN, Xiaohong;WANG, Lijuan;ZHANG, Jinjie;ZHAO, Weiquan;ZHOU, Jianhua~

2021/09235 ~ Complete ~54:ONE-POT NON-ENZYMATIC GLUCOSE COLORIMETRIC DETECTION METHOD BASED ON ENZYME-LIKE NANOMATERIAL ~71:Qingdao Agricultural University, College of Chemistry and

Pharmaceutical Sciences, Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: HAN, Lei~

2021/09216 ~ Complete ~54:STEEL MESH SKELETON CONCRETE BEAM AND COLUMN AND ITS STRUCTURAL DESIGN METHOD ~71:China Railway Development Investment Co., Ltd, No.383 Dunhua Road, Shibei District, Qingdao City, Shandong Province, People's Republic of China;China Railway Eighth Bureau Group Kunming Railway Construction Co., Ltd, No.321 Chuncheng Road, Guandu District, Kunming City, Yunnan Province, People's Republic of China;Shandong University, No.27 Shanda South Road, Jinan City, Shandong Province, People's Republic of China ~72: Hu Yunfei;Huang Peng;Li Shuo;Liu Chang;Liu Le;Tang Liru;Wang Guangwei;Wang Peijun;Xu Xiangyun;Xu Yanjing;Zhang Wenchao~

2021/09248 ~ Complete ~54:COMPOSITION AND METHOD FOR SPRAY DRYING AN ADJUVANT VACCINE EMULSION ~71:INFECTIOUS DISEASE RESEARCH INSTITUTE, 1616 Eastlake Avenue East, Suite 400, Seattle, Washington, 98102, United States of America ~72: ARCHER, Michelle;CARRIGY, Nicholas;FOX, Christopher;GOMEZ, Melissa;KRAMER, Ryan;ORDOUBADI, Mani;VEHRING, Reinhard~ 33:US ~31:62/852,983 ~32:25/05/2019

2021/09260 ~ Complete ~54:METHOD AND SYSTEM FOR SECURE AND VERIFIABLE OFFLINE BLOCKCHAIN TRANSACTIONS ~71:MASTERCARD INTERNATIONAL INCORPORATED, 2000 Purchase Street, New York, New York, 10577, United States of America ~72: STEPHEN HIGGINS~ 33:US ~31:16/509,765 ~32:12/07/2019

2021/09222 ~ Complete ~54:MULTIFUNCTIONAL BADGE ~71:Wenzhou Treasure Crafts Co., Ltd., No.777, Dongtang Rd, Longgang City, Wenzhou City, Zhejiang Province, 325802, People's Republic of China ~72: YANG, Cairong;YANG, Qiyue;YANG, Yi~

2021/09221 ~ Complete ~54:METHOD FOR CONTROLLING SUCCESSION CROPPING OBSTACLE OF SOIL IN PROTECTED CULTIVATION ~71:Beijing Academy of Agriculture and Forestry Sciences, No. 11 Shuguang Garden Middle Road, Haidian District, Beijing, 100097, People's Republic of China;Ludong University, No. 186 Middle Hongqi Road, Zhifu District, Yantai City, Shandong Province, 264025, People's Republic of China;Qingdao Agricultural University, No. 700 Changcheng Road, Chengyang District, Qingdao City, Shandong Province, 266109, People's Republic of China ~72: CHEN, Yanhua;GUO, Xiaohong;SONG, Ningning;WANG, Jiachen;WANG, Xuexia~

2021/09230 ~ Complete ~54:METHOD FOR IMPROVING CREASE RESISTANCE AND ANTIBACTERIAL PROPERTY OF PURE COTTON FABRIC ~71:Qingdao University, Hongkong East Road, Laoshan District, Qingdao City, Shandong Province, 266061, People's Republic of China ~72: CAI, Yuqing;FANG, Kuanjun;HAO, Longyun;WANG, Rui~

2021/09240 ~ Complete ~54:SYSTEM AND METHOD FOR OIL QUANTITY ON-LINE MEASUREMENT OF DIESEL HEAVY TRUCK OIL TANK ~71:SHANDONG JIAOTONG UNIVERSITY, No. 5 Jiaoxiao Road, Tianqiao District, Shandong, People's Republic of China ~72: FENG, Liping;LIU, Guangmin;WANG, Zhixue~

2021/09242 ~ Complete ~54:A ROCKBURST DISASTER MONITORING AND EARLY WARNING METHOD BASED ON DYNAMIC AND STATIC COMBINED STRESS ANALYSIS ~71:CHINA UNIVERSITY OF MINING AND TECHNOLOGY, No.1 Daxue Road, People's Republic of China;XUZHOU HONGYI TECHNOLOGY DEVELOPMENT CO., LTD, No.20-1-611 Zhongneng Technology Park, 3rd Ring South Rd., Quanshan District, People's Republic of China;XUZHOU WUSHUO INFORMATION TECHNOLOGY CO., LTD, Rm.209-2,2nd Floor, Technology Bld., Technology Avenue, Quanshan District, People's Republic of China ~72: Anye CAO;Chengchun XUE;Hu HE;Jiang HE;Linming DOU;Qing GE;Shasha YUAN;Siyuan GONG;Wu CAI;Yaoqi LIU~

2021/09253 ~ Complete ~54:BALLOONS FOR PROSTHETIC VALVE DELIVERY APPARATUS AND METHODS OF ASSEMBLY ~71:Edwards Lifesciences Corporation, One Edwards Way, IRVINE 92614, CA, USA, United States of America ~72: AVERY, Neal H.;LE, Thanh Huy;LE, Tung T.;LOOS, David John;MAK, Sovanpheap;MURAD, Michael C.;NGUYEN, Kim D.;SARAVIA, Maria L.;TRAN, Sonny;WHITEHEAD, Haley Nicole~ 33:US ~31:62/911,861 ~32:07/10/2019;33:US ~31:62/925,722 ~32:24/10/2019;33:US ~31:62/981,412 ~32:25/02/2020;33:US ~31:63/051,244 ~32:13/07/2020;33:US ~31:63/086,940 ~32:02/10/2020

2021/09207 ~ Complete ~54:A COMMUNICATION NETWORK ~71:IPTREE TRUST (TRUST NUMBER 503/2009), 5 Libertas Road, Somerset Office Park, Bullseye Building, Bryanston, South Africa ~72: BÜHRMANN, Rudolph Teodor~ 33:ZA ~31:2020/05094 ~32:18/08/2020

2021/09205 ~ Provisional ~54:HORIZONTAL HEEL EXTENSION ~71:Luc Patrick van der Walt, 7 Keurboom Street, Chapmans Peak, Cape Town, Western Cape, 7979, South Africa ~72: Luc Patrick van der Walt~

2021/09250 ~ Complete ~54:A METHOD FOR FORMING A DEEP DRAW CLOSURE CAP ~71:Saeta GmbH & Co. KG, Von-Siemens-Str. 6, WEDEL 22880, GERMANY, Germany ~72: HAAR, Thomas~ 33:EP ~31:19180215.6 ~32:14/06/2019

2021/09202 ~ Provisional ~54:COMPOSITIONS FOR PROMOTING HAIR GROWTH ~71:MNGUNI, Zanoxolo, 321A Hillcrest Boulevard, 170 Lonnon Road, South Africa ~72: MNGUNI, Zanoxolo~

2021/09223 ~ Complete ~54:CHINESE MEDICINE COMPOSITION FOR TREATING HEART DISEASE AND PREPARATION METHOD THEREOF ~71:FENG, Xuewen, No. 100, Group 3, Xinanyang Village, Huangcheng Town, Linzi Dist., Zibo, Shandong, People's Republic of China ~72: FENG, Xuewen~

2021/09232 ~ Complete ~54:METHOD FOR PREPARING STURGEON HEAD SEASONING ~71:Ocean University of China, No.238, Songling Road, Laoshan District, Qingdao, Shandong, 266100, People's Republic of China ~72: FU, Jingtong;GAO, Ruichang;HUANG, Pan;LIU, Kang;LIU, Weijia;XU, Xinxing;ZENG, Mingyong;ZHAO, Yuanhui~

2021/09252 ~ Complete ~54:EXPRESSION OF MODIFIED PROTEINS IN A PEROXISOME ~71:Provenance Bio, LLC, 6445 Avenida Wilfredo, LA JOLLA 92037, CA, USA, United States of America ~72: DUEBER, John;GARTNER, Zev;VAZIRANI, Chirag;VIDANES, Genevieve M.~ 33:US ~31:62/847,769 ~32:14/05/2019

2021/09266 ~ Provisional ~54:DATA TRACER ~71:Nthabiseng Grace Mdakane, A 35 Tshiame, South Africa ~72: Nthabiseng Grace Mdakane~

2021/09228 ~ Complete ~54:METHOD FOR EVALUATING AND MONITORING THE LOAD-ENERGY EFFICIENCY OF NUMERICALLY-CONTROLLED MACHINE TOOL FOR ENERGY SAVING AND EMISSION REDUCTION ~71:Shandong University of Science and Technology, No. 579 Qianwangang Road, Economic & Technical Development Zone, Qingdao, Shandong, 266590, People's Republic of China ~72: Chen Hong;Guan Yihao;Hou Tianyou;Jia Shun;Ma Le;Min Xiangpeng;Su Shengshuai;Wang Shang;Yang Yang;Zhang Jingyan;Zhao Jiali;Zhou Guangfeng~

2021/09249 ~ Complete ~54:PERSONAL PROTECTIVE DEVICES WITH CARRYING BAGS ~71:FEDKIN, Kostyantyn, 141 Briza Road, South Africa;WALSH, Timothy, 16 Louis Drive, United States of America ~72: FEDKIN, Kostyantyn;WALSH, Timothy~ 33:US ~31:62/841,756 ~32:01/05/2019;33:US ~31:16/811,496 ~32:06/03/2020

2021/09262 ~ Complete ~54:CLOSING CAP FOR A CONTAINER AND RELATIVE PRODUCTION METHOD
~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A,
40026, Imola (Bologna), Italy ~72: ALESSANDRO FALZONI;VITTORIO BASSI~ 33:IT ~31:102019000013671
~32:01/08/2019

2021/09229 ~ Complete ~54:WATER-SAVING AND HIGH-YIELD CULTIVATION METHOD OF DRYLAND
WHEAT ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District, Qingdao City,
Shandong Province, People's Republic of China;Shandong Chunyi Agricultural Technology Development Co., Ltd,
West Side of Provincial Highway 227,Changzhuang village, Jiangyu Town, Linqu County, Weifang City,
Shandong Province, People's Republic of China ~72: Che Lin;Lin Zhidong;Liu Yiguo;Sun Xinling;Wan
Xuejie;Zhang Yumei~

2021/09211 ~ Complete ~54:DEVICE FOR DETECTING INFLUENCE OF ALKALI METAL ON REACTIVITY AND
POST-REACTION STRENGTH OF COKE ~71:North China University of Science and Technology, 21 Bohai
Road, Caofeidian Xincheng, Tangshan , Hebei, 063210, People's Republic of China ~72: LI, Hongwei;LI,
Hongyang;LI, Xin;LIU, Ran;LIU, Xiaojie;LV, Qing~

2021/09213 ~ Complete ~54:METHOD FOR CROSSBREEDING PELTEOBAGRUS FULVIDRACO AND
PELTEOBAGRUS VACHELLI ~71:Qingdao Agricultural University, 700 Changcheng Road, Chengyang District,
Qingdao City, Shandong Province, 266109, People's Republic of China ~72: LIU, Bo;WANG, Feng;ZHENG, Bo~

2021/09227 ~ Complete ~54:MULTI-CHANNEL PLANT EVAPOTRANSPIRATION REMOTE MONITORING
SYSTEM ~71:Ningxia Institute of Water Conservancy Science, No. 157, Beijing West Road, Xixia District,
Yinchuan City, Ningxia, 750021, People's Republic of China;Ningxia University, No. 489, Helanshan West Road,
Xixia District, Yinchuan City, Ningxia, 750021, People's Republic of China ~72: LI, Jinze;TANG, Rui;TANG,
Ying;XU, Ligang;ZHAO, Aiguo~

2021/09237 ~ Complete ~54:RUBBER MODIFIED BITUMINOUS BINDERS ~71:CSIR, CSIR Campus, Meiring
Naude Road, Brummeria 0184, SOUTH AFRICA, South Africa ~72: MTURI, George Akim Jasper~ 33:ZA
~31:2020/07201 ~32:19/11/2020

2021/09246 ~ Complete ~54:METHOD FOR PREPARING HYDROXYETHYL CELLULOSE ~71:SHANDONG
ETON NEW MATERIAL CO., LTD, West Road No.8, Shiheng Town, Feicheng City, Taian City, Shandong,
271612, People's Republic of China ~72: LI, Changyin;LI, Qinghua;LIU, Tao;TENG, Bo;TENG, Kun;ZHANG,
Yan~ 33:CN ~31:201910465188.X ~32:30/05/2019

2021/09259 ~ Complete ~54:SUBSTITUTED CYCLOALKYLS AS MODULATORS OF THE INTEGRATED
STRESS PATHWAY ~71:ABBVIE INC., 1 North Waukegan Road, North Chicago, Illinois, 60064, United States of
America;CALICO LIFE SCIENCES LLC, 1170 Veterans Blvd, South San Francisco, California, 94080, United
States of America ~72: CARMELA SIDRAUSKI;HANAE BENELKEBIR;JOHN T RANDOLPH;KATHLEEN ANN
MARTIN;KATHLEEN J MURAUSKI;KATHRYN STARBUCK;LEI SHI;MICHAEL J DART;STEVEN
EDESON;XIANGDONG XU;YUNSONG TONG~ 33:US ~31:62/840,960 ~32:30/04/2019

2021/09226 ~ Complete ~54:METHOD FOR PREPARING PET-BASED GRAPHENE CONDUCTIVE FIBER
~71:Shandong University of Technology, Room 313, Block A, Gaochuang Park, High Tech Development Zone,
Zibo City, Shandong Province, 255035, People's Republic of China ~72: DING, Zuowei;GUO, Zengge;HOU,
Zhifu;JIA, Zhao;JIANG, Zhaohui;PU, Congcong;QI, Yuanzhang;WANG, Hui;WANG, Qicai;ZHANG, Zhanqi~

2021/09236 ~ Complete ~54:MODIFIED CHITOSAN MICROGEL AND PREPARATION METHOD AND USE
THEREOF ~71:JIANGNAN UNIVERSITY, No. 1800, Lihu Avenue, Wuxi, Jiangsu, 214122, People's Republic of
China ~72: NI, Caihua;SANG, Xinxin;ZHANG, Liping~ 33:CN ~31:202011441639.5 ~32:08/12/2020

2021/09245 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING PAIN IN SUBJECTS WITH RHEUMATOID ARTHRITIS ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America;SANOFI BIOTECHNOLOGY, 54 rue la Boëtie, France ~72: BOKLAGE, Susan;BYKERK, Vivian;FIORE, Stefano;KIMURA, Toshio;ST. JOHN, Gregory;WEI, Wenhui~ 33:US ~31:62/857,247 ~32:04/06/2019;33:US ~31:62/930,966 ~32:05/11/2019;33:EP ~31:20305191.7 ~32:27/02/2020

2021/09218 ~ Complete ~54:APPLICATION OF FUCOIDAN COMBINED WITH DEEP SEA WATER IN PREVENTING AND TREATING DIABETIC COGNITIVE DYSFUNCTION ~71:Shandong University of Traditional Chinese Medicine, Science and Technology Park, Changqing District, Jinan City, Shandong Province, People's Republic of China ~72: Fu Xianjun;He Shan;Wang Zhenguo;Zhou Honglei~

2021/09220 ~ Complete ~54:BAMBOO BUILDING COMPONENT ~71:International Center for Bamboo and Rattan, No.8, Futong East Street, Wangjing, Chaoyang District, Beijing, 100102, People's Republic of China ~72: CHEN, Fuming;CHEN, Ruiguo;FEI, Benhua;FU, Meimei;HUO, Changqing;LI, Deyue;SUN, Fengbo;WANG, Ge~

2021/09224 ~ Complete ~54:LNCRNA SFR1 AND ITS APPLICATION, PRODUCTS AND METHODS FOR REGULATING FOLLICULAR DEVELOPMENT ~71:Jilin Academy of Agricultural Sciences, No.1363 Ecological Street, Jingyue High-tech Development Zone, Changchun City, Jilin, People's Republic of China ~72: CHEN, Geng;CHENG, Yiyao;WANG, Chunxin;WANG, Song;WU, Cuiling;WU, Yujin;XIAO, Cheng;XU, Jing;YUAN, Zhiyu;ZHANG, Mingxin;ZHAO, Yunhui;ZHAO, Zhuo~

2021/09244 ~ Complete ~54:ANTI-GAL9 IMMUNE-INHIBITING BINDING MOLECULES ~71:THE COUNCIL OF THE QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, 300 Herston Rd, Herston, Australia ~72: PULUKKUNAT, Dileep K.;WYKES, Michelle~ 33:US ~31:62/855,590 ~32:31/05/2019;33:US ~31:62/900,105 ~32:13/09/2019

2021/09241 ~ Complete ~54:DEVICE AND METHOD FOR FAULT QUICK DETECTION OF JOINTLESS TRACK COMPENSATION CAPACITOR ~71:SHANDONG JIAOTONG UNIVERSITY, No. 5 Jiaoxiao Road, Tianqiao District, Shandong, People's Republic of China ~72: FENG, Liping;LIU, Guangmin;WANG, Zhixue~

- APPLIED ON 2021/11/19 -

2021/09267 ~ Provisional ~54:METAL-AIR FUEL CELL WITH REPLACEABLE ANODES ~71:NEILL HUMAN, 18 Dianthus Street, South Africa ~72: NEILL HUMAN~

2021/09327 ~ Complete ~54:METHOD FOR INDUCING FLOWER BUDS OF FEMALE TREES OF MYRICARUBRA(LOUR.)SIEB.ETZUCC. TO BE DIFFERENTIATED INTO MALE FLOWERS ~71:HUNAN HORTICULTURAL RESEARCH INSTITUTE, NO. 892 YUANDA 2ND ROAD, People's Republic of China ~72: GONG, BIYA;LI, XIANXIN;LIU, JUAN;WU, CHANGCHUN;YANG, SHUIZHI;ZHOU, CHANGFU~

2021/09270 ~ Complete ~54:ROBOT FOR HEAD AND NECK TUMOR SURGERY ~71:Jiangsu Cancer Hospital, Jiangsu Cancer Hospital, NO.42 Baiziting Road, Xuanwu District, Nanjing City, Jiangsu Province, People's Republic of China ~72: Li Yang;Zong Dan~

2021/09273 ~ Complete ~54:METHOD FOR MANUFACTURING HIGH-EFFICIENCY PLUM PRESERVATIVE ~71:Liaoning Institute of Pomology, Tiedong Street, Xiongyue Town, Bayuquan District, Yingkou City, Liaoning Province, 115000, People's Republic of China ~72: HAO, Yi;JIANG, Yongfeng;LI, Jiangkuo;LU, Yuzhuo;RONG, Chuansheng;XING, Yingli;ZHAO, Haijuan~

2021/09274 ~ Complete ~54:METHOD FOR PREPARING PHLOROTANNINS-LOADED OLEOGEL AND APPLICATION THEREOF ~71:Qingdao University of Science and Technology, No.53, Zhengzhou Rd, Qingdao, Shandong, 266042, People's Republic of China ~72: CHE, Hongxia;DONG, Xiufang;LI, Hongyan;QI, Hang;SONG, Lin;WANG, Chunyan;XIE, Wancui;YANG, Xihong~

2021/09287 ~ Complete ~54:FLUID DISTRIBUTION DEVICE ~71:VAN BUUREN, Eugene, 25 Bradley Street, East Lynne, South Africa ~72: VAN BUUREN, Eugene~ 33:ZA ~31:2020/05202 ~32:21/08/2020

2021/09290 ~ Complete ~54:HIGH-CONCENTRATION MONOCLONAL ANTIBODY FORMULATIONS ~71:GENENTECH, INC., 1 DNA Way, South San Francisco, California, 94080, United States of America ~72: MAYUMI N BOWEN;NICHOLAS J ARMSTRONG;YUH-FUN MAA~ 33:US ~31:61/649,146 ~32:18/05/2012

2021/09304 ~ Complete ~54:WATER VAPOR ADSORPTION AIR DRYING SYSTEM AND METHOD FOR GENERATING LIQUID WATER FROM AIR ~71:Source Global, PBC, 7825 South Hardy Dr., TEMPE 85284, AZ, USA, United States of America ~72: FRIESEN, Cody;FRIESEN, Grant;MCGUINNESS, Kimberly;MEJIAORTEGA, Luis;ROBINSON, Michael;SALLOUM, Kamil~ 33:US ~31:62/837,115 ~32:22/04/2019;33:US ~31:62/939,478 ~32:22/11/2019

2021/09315 ~ Complete ~54:IONTOPHORESIS ADMINISTRATION DEVICE ~71:SHANGHAI FUTAI TECHNOLOGY CO., LTD., Room J2487, Building 4, Block B, No. 925 Yecheng Road, Jiading Industrial Zone, Jiading District, Shanghai, 201821, People's Republic of China ~72: FENG YANG~ 33:CN ~31:201910370935.1 ~32:06/05/2019

2021/09318 ~ Complete ~54:A NEW TYPE OF CUT-OFF DAM AND COFFERDAM BODY OF HYDROPOWER STATION AND DAM BODY CONSTRUCTION METHOD ~71:GUI, Linsheng, Unit 301, Unit 3, Building 35, Staff Dormitory Of Jiujiang Power Plant, Guodian Company, No. 45 Binjiang East Road,Jiujiang, People's Republic of China ~72: GUI, Linsheng~ 33:CN ~31:202010711544.4 ~32:22/07/2020

2021/09284 ~ Complete ~54:COMBINED BUCKLING RESTRAINED BRACE WITH MULTI-YIELD STAGES AND MULTI-WAVE CORE UNITS ~71:Beijing University of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100020, People's Republic of China ~72: HE, Haoxiang;WU, Shan;ZHENG, Jiacheng;ZHOU, Yujing~

2021/09295 ~ Complete ~54:A METHOD FOR BIODIVERSITY ASSESSMENT AND BIOLOGICAL PROFILING OF THE PERENNIAL PLANT SPECIES ON THE BASIS OF FOREST PLOT ~71:BHASKARAN, Sreenayana, Division of Plant Pathology Indian Institute of Agricultural Research, India;KIZHAKOOT, Poornima, Professor (Nematology) Tamil Nadu Agricultural University, India;PALANISAMY, Muthulakshmi, Professor (Plant Pathology) Department of Plant Pathology Tamil Nadu Agricultural University, India;SELVARAJ, Vinod Kumar, Assistant Professor College of Agriculture Sciences SRM Institute of Science and Technology BabuRayanPettai, Chengalpattu, India;SEVUGAPPERUMAL, Nakkeeran, Professor (Plant Pathology) Department of Plant Biotechnology Center for Plant Molecular Biology and Biotechnology Tamil Nadu Agricultural University, India ~72: BHASKARAN, Sreenayana;KIZHAKOOT, Poornima;PALANISAMY, Muthulakshmi;SELVARAJ, Vinod Kumar;SEVUGAPPERUMAL, Nakkeeran~

2021/09300 ~ Complete ~54:PERMANENT MAGNET SYNCHRONOUS MOTOR AND MOTOR START-UP METHOD ~71:HANGZHOU WEIGUANG ELECTRONIC CO., LTD., No. 365 XingZhong Road Economic Development Zone, Yuhang District Hangzhou, People's Republic of China ~72: CHEN, Xin;LIU, Haiping;ZHOU, Nan~ 33:CN ~31:201911171768.4 ~32:26/11/2019

2021/09317 ~ Complete ~54:AAV9 AFFINITY AGENTS ~71:AVITIDE, INC., 16 Cavendish Court, Lebanon, Massachusetts, 03766, United States of America ~72: BRANDON COYLE;BRANDON KIER;SARAH

VALENTINI;THOMAS SCANLON;WARREN KETT;WILLIAM SCOTT DODSON~ 33:US ~31:62/852,717
~32:24/05/2019;33:US ~31:62/949,878 ~32:18/12/2019

2021/09272 ~ Complete ~54:MACROPHAGE PYROPTOSIS MODEL, CONSTRUCTION METHOD AND APPLICATION THEREOF ~71:Maternal and Child Health Care Hospital of Shandong Province, Shandong University, No. 238 Jingshi Road, Jinan, 250001, People's Republic of China ~72: DUAN, Shuyin;FANG, Lei;HAN, Zhengpu;LI, Baifeng;MA, Lan;PENG, Yanjie;TIAN, Jiaqi;WANG, Lifeng;YIN, Haoyu;ZHANG, Lin~ 33:CN ~31:202111182317.8 ~32:11/10/2021

2021/09283 ~ Complete ~54:COMPOSITE ENERGY CONSUMPTION SYSTEM WITH SECONDARY DISPLACEMENT MAGNIFICATION AND SELF-RESETTING TRIGGER FUNCTIONS ~71:Beijing University of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100020, People's Republic of China ~72: CHENG, Shitao;HE, Haoxiang;LAN, Bingji;WANG, Lihui~

2021/09271 ~ Complete ~54:RAINWATER PURIFICATION SYSTEM OF GARDEN ROAD GREENING ISOLATION BELT ~71:Xuzhou University of Technology, No.2 Lishui Road, Yunlong District, Xuzhou City, Jiangsu Province, People's Republic of China ~72: Tan Xuehong~

2021/09309 ~ Complete ~54:KRAS G12C INHIBITORS AND USES THEREOF ~71:1200 Pharma LLC, 6100 Bristol Parkway, CULVER CITY 90230, CA, USA, United States of America;California Institute of Technology, 1200 E. California Boulevard, Mail Code 210-85, PASADENA 91125, CA, USA, United States of America;The Regents of the University of California, 1111 Franklin Street, Twelfth Floor, OAKLAND 94607-5200, CA, USA, United States of America ~72: BARTBERGER, Michael D.;HILF, Justin A.;LOSON, Oliver C.;MCDERMOTT, Martina S.;O'BOYLE, Brendan M.;O'BRIEN, Neil A.;REEVES, Corey M.;ROSE, Tristin E.;SLAMON, Dennis;STOLTZ, Brian M.~ 33:US ~31:62/850,289 ~32:20/05/2019

2021/09282 ~ Complete ~54:COLD-FORMED THIN-WALLED STEEL PLATE WALL SYSTEM WITH BUILT-IN FRICTION AND NEGATIVE RIGIDITY COMPOSITE DAMPING DEVICE ~71:Beijing University of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100020, People's Republic of China ~72: CHENG, Shitao;HE, Haoxiang;LIAO, Lican;ZHENG, Jiacheng~

2021/09294 ~ Complete ~54:PROCESS FOR EVALUATING ANTIBACTERIAL ACTIVITY OF RHIZOSPHERIC BACILLUS SPP., TO CURB BACTERIAL BLIGHT OF ANTHURIUM ~71:MURUGESAN, Suganyadevi, Department of Plant Pathology Tamil Nadu Agricultural University, India;SEVUGAPPERUMAL, Nakkeeran, Professor (Plant Pathology) Department of Plant Biotechnology Center for Plant Molecular Biology and Biotechnology Tamil Nadu Agricultural University, India;SUPAIAH, Rajamanickam, 78/34A, North Mohamathiar St., Main Road Senthamangalam Taluk, India ~72: MURUGESAN, Suganyadevi;SEVUGAPPERUMAL, Nakkeeran;SUPAIAH, Rajamanickam~

2021/09316 ~ Complete ~54:DETERGENT COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: NEIL STEPHEN BURNHAM;STEPHEN NORMAN BATCHELOR~ 33:EP ~31:19183228.6 ~32:28/06/2019

2021/09285 ~ Complete ~54:MOUNTAIN ROAD SAFETY PATH PLANNING METHOD AND SYSTEM BASED ON FUZZY RANDOM FOREST ALGORITHM ~71:Hohai University, No. 1, Xikang Road, Nanjing City, Jiangsu Province, 210000, People's Republic of China ~72: LAN, Zeduo;RUI, Xiaoping~ 33:CN ~31:202011561630.8 ~32:25/12/2020

2021/09292 ~ Complete ~54:CAP FOR A CONTAINER ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: ALESSANDRO FALZONI;PAOLO VITALI~ 33:IT ~31:102020000030608 ~32:11/12/2020

2021/09305 ~ Complete ~54:LOW-POLLUTION ANTIDegradant COMPOUND AND ANTIDegradant COMPOSITION AND RUBBER COMPOSITION COMPRISING THE SAME FOR TIRES ~71:Sennics Co., Ltd., Room 2304, No. 1200 Pudong Avenue, China (Shanghai) Pilot Free Trade Zone, SHANGHAI 200120, CHINA (P.R.C.), People's Republic of China ~72: GAO, Yang;LI, Hui~ 33:CN ~31:201910516287.6 ~32:14/06/2019

2021/09288 ~ Complete ~54:AIR SADDLE ~71:VAN BUUREN, Eugene, 25 Bradley Street, East Lynne, South Africa ~72: VAN BUUREN, Eugene~ 33:ZA ~31:2020/05203 ~32:21/08/2020

2021/09311 ~ Complete ~54:AMORPHOUS PI3K INHIBITOR AND PHARMACEUTICAL COMPOSITION COMPRISING SAME ~71:BORYUNG PHARMACEUTICAL CO., LTD, 136, Changgyeonggung-ro Jongno-Gu, Seoul, 03127, Republic of Korea ~72: JI HAN KIM;JOON KWANG LEE;SEONG HEON KIM;YONG HO SUN~ 33:KR ~31:10-2019-0054507 ~32:09/05/2019

2021/09275 ~ Complete ~54:GREENHOUSE BLUEBERRY POSTHARVEST PRUNING METHOD ~71:Liaoning Institute of Pomology, Tiedong Street, Xiongyue Town, Bayuquan District, Yingkou, Liaoning Province, 115000, People's Republic of China ~72: LIU, Cheng;LIU, Shuang;LIU, Xiuli;LIU, Youchun;SUN, Bin;WANG, Hongguang;WANG, Sheng;WANG, Xingdong;WEI, Xin;YANG, Yanmin;YANG, Yuchun;ZHANG, Duo~

2021/09281 ~ Complete ~54:SELF-RESETTING WALL WITH TUNING-SWING-FRICTION COMPOSITE STAGED ENERGY DISSIPATION FUNCTION ~71:Beijing University of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100020, People's Republic of China ~72: CHEN, Yifei;CHENG, Shitao;HE, Haoxiang;LAN, Bingji~

2021/09276 ~ Complete ~54:METHOD FOR MANUFACTURING HIGH-EFFICIENCY SWEET CHERRY PRESERVATIVE ~71:Liaoning Institute of Pomology, Tiedong Street, Xiongyue Town, Bayuquan District, Yingkou City, Liaoning Province, 115000, People's Republic of China ~72: AI, Jiayin;CAI,Feng;HAO, Yi;JIANG, Yongfeng;LI, Jiangkuo;LU, Yuzhuo;XU, Ling~

2021/09279 ~ Complete ~54:ELECTRONIC MEDAL ~71:Wenzhou Treasure Crafts Co., Ltd., No.777, Dongtang Rd, Longgang City, Wenzhou City, Zhejiang Province, 325802, People's Republic of China ~72: YANG, Cairong;YANG, Qiyue;YANG, Yi~

2021/09289 ~ Complete ~54:A PROCESSING SYSTEM FOR BAMBOO PRODUCTS ~71:Hunan Jiale Bamboo and Wood Co., Ltd., South Park of Taoran Street Industrial Park, Longquan Street, Xintian County, Yongzhou, Hunan, People's Republic of China ~72: Guande Li;Yongjun Li~

2021/09291 ~ Complete ~54:PEPTIDES AND NANOPARTICLES FOR INTRACELLULAR DELIVERY OF GENOME-EDITING MOLECULES ~71:AADIGEN, LLC, 1343 Luna Vista Drive, Pacific Palisades, California, 90272, United States of America ~72: GILLES DIVITA;NEIL DESAI~ 33:US ~31:62/342,823 ~32:27/05/2016;33:US ~31:62/394,140 ~32:13/09/2016;33:US ~31:62/477,357 ~32:27/03/2017

2021/09299 ~ Complete ~54:SPRINKLER WITH FLEXIBLE BODY ~71:VICTAULIC COMPANY, 4901 Kesslersville Road, United States of America ~72: BALLARD, Robert J.;DAVIS, Michael J.;OAKES, Charles~ 33:US ~31:62/870,102 ~32:03/07/2019

2021/09302 ~ Complete ~54:LIFTABLE BRUSH HOLDER SYSTEM ABLE TO OPERATE STATICALLY AND CORRESPONDING ROTARY ELECTRIC MACHINE ~71:WEG Equipamentos Eletricos S.A., Av. Prefeito Waldemar Grubba, 3000 - VILA LALAU 89256-900, JARAGUÁ DO SUL, BRAZIL, Brazil ~72: EMMANUELE GRACINSKI, Alini;LUIS PINTER, Cesar;SACHT, Nilson~

2021/09310 ~ Complete ~54:SEMI-ACTIVE COORDINATION CONTROL METHOD FOR VIBRATION REDUCTION AND POWER GENERATION OF MAGNETORHEOLOGICAL ENERGY-REGENERATIVE

SUSPENSION ~71:NANJING NORMAL UNIVERSITY, No. 122, Ninghai Road, Gulou District, Nanjing, Jiangsu, 210024, People's Republic of China ~72: ENRONG WANG;HAILONG ZHANG;RUNZE JI;SHUNAN CHU;XINGFENG ZHAI~ 33:CN ~31:201910367046.X ~32:05/05/2019

2021/09269 ~ Complete ~54:NOVEL MAGNETIC RESONANCE RADIO FREQUENCY COIL ASSEMBLY ~71:Shanghai University of Medicine&Health Sciences, No.279 Zhou-zhu Road, Pudong New District, Shanghai, People's Republic of China;University of Shanghai for Science and Technology, No.516 Jun-gong Road, Yangpu District, Shanghai, People's Republic of China ~72: Huang Qingming~

2021/09325 ~ Complete ~54:BATTERY SWAPPING STATION AND CONTROL METHOD THEREFOR ~71:AULTON NEW ENERGY AUTOMOTIVE TECHNOLOGY GROUP, 12th Floor, Building C5, No.2555 Xiupu Road, Pudong New Area, People's Republic of China;SHANGHAI DIANBA NEW ENERGY TECHNOLOGY CO., LTD., Building 1, No.4766, Jiangshan Road, Nicheng Town, Pudong New Area, People's Republic of China ~72: HUANG, Chunhua;WAN, Libin;ZHANG, Jianping;ZHOU, Junqiao;ZOU, Rui~ 33:CN ~31:201711240305.X ~32:30/11/2017

2021/09298 ~ Complete ~54:SONOSENSITIZATION ~71:SONALASENSE, INC., 2600 10th Street, #435, United States of America ~72: MARCUS, Stuart L.~ 33:US ~31:62/853,853 ~32:29/05/2019

2021/09307 ~ Complete ~54:METHODS RELATING TO TUBERCULOSIS ~71:PBD Biotech Limited, Aduxi Ltd, Wellington House, 90-92 Butt Road, COLCHESTER CO3 3DA, ESSEX, UNITED KINGDOM, United Kingdom;The University of Nottingham, University Park Nottingham, NOTTINGHAM NG7 2RD, NOTTINGHAMSHIRE, UNITED KINGDOM, United Kingdom ~72: REES, Catherine;SWIFT, Benjamin~ 33:GB ~31:1907157.0 ~32:21/05/2019

2021/09308 ~ Complete ~54:KINK-RESISTANT EXPANDABLE SHEATH ~71:Edwards Lifesciences Corporation, One Edwards Way, Legal Department, IRVINE 92614, CA, USA, United States of America ~72: AVINATHAN, Itay;GUROVICH, Nikolay;SHITRIT, Roy~ 33:US ~31:63/024,386 ~32:13/05/2020

2021/09313 ~ Complete ~54:SPLIT PLUMMER BLOCK BEARING HOUSING ~71:SKF AUSTRALIA PTY LTD, 17-21 Stamford Road, Oakleigh, Victoria, 3166, Australia ~72: DARREN KENWORTHY;RAMESH VARADARAJAN~ 33:DE ~31:10 2019 207 156.2 ~32:16/05/2019

2021/09301 ~ Complete ~54:REDOX FLOW BATTERY SYSTEMS AND METHODS OF MANUFACTURE AND OPERATION ~71:Creek Channel Inc., 12511 131st Ct Ne, KIRKLAND 98034, WA, USA, United States of America ~72: LI, Liyu;WEI, Kui~ 33:US ~31:62/849,959 ~32:20/05/2019;33:US ~31:16/824,027 ~32:19/03/2020;33:US ~31:16/824,073 ~32:19/03/2020;33:US ~31:16/824,119 ~32:19/03/2020;33:US ~31:16/824,144 ~32:19/03/2020;33:US ~31:16/824,159 ~32:19/03/2020;33:US ~31:16/824,195 ~32:19/03/2020

2021/09280 ~ Complete ~54:SQUARE-BUCKET TUNED LIQUID DAMPER CAPABLE OF SEMI-ACTIVELY REGULATING AND CONTROLLING DAMPING PERFORMANCE ~71:Beijing University of Technology, 100 Pingleyuan, Chaoyang District, Beijing, 100020, People's Republic of China ~72: CHEN, Yifei;CHENG, Shitao;HE, Haoxiang;SUN, Haoding~

2021/09303 ~ Complete ~54:PROSTHETIC HEART VALVE ~71:Edwards Lifesciences Corporation, One Edwards Way, IRVINE 92614, CA, USA, United States of America ~72: BUKIN, Michael;GUROVICH, Nikolay~ 33:US ~31:63/026,866 ~32:19/05/2020

2021/09268 ~ Provisional ~54:LIS-TRP SACUBITRIL CRYSTALLIZATION ~71:ANGIODESIGN (UK) LIMITED, Manor Stables Corsley, Warminster, Wiltshire, BA12 7QE, United Kingdom ~72: EDWARD DAVID STURROCK;MINO RODOLFO CAIRA;TERENCE JAMES NOONAN~

2021/09286 ~ Complete ~54:HANDHELD DEVICE OF RESISTIVITY AND POLARIZABILITY INTEGRATED DETECTOR AND DETECTOR THEREOF ~71:Shanghai Institute of Technology, No. 120-121, Caobao Road, Xuhui District, Shanghai, 200030, People's Republic of China ~72: HUANG, Junge;LIU, Yu;LU, Ningqi;LU, Sitong;XIE, Sheng;ZHANG, Yu~ 33:CN ~31:202011314672 .1 ~32:20/10/2020

2021/09326 ~ Complete ~54:HIGH-EFFICIENCY AND ENERGY-SAVING FORESTRY SEEDLING CULTIVATION DEVICE AND CULTIVATION METHOD THEREOF ~71:EAST CHINA INVESTIGATION, PLANNING AND DESIGN INSTITUTE OF STATE FORESTRY AND GRASSLAND ADMINISTRATION, 5-768, E-COMMERCE PIONEER PARK, LINJIANG STREET, QIANTANG DISTRICT, HANGZHOU,, People's Republic of China;HANGZHOU DECHEN FORESTRY TECHNOLOGY SERVICE CO., LTD., 5-768, E-COMMERCE PIONEER PARK, LINJIANG STREET, QIANTANG DISTRICT, HANGZHOU,, People's Republic of China ~72: CHEN, JIANYI;WANG, JINGCAI;WU, ZEQUIANG;XU, PENG;ZHENG, YUNFENG~

2021/09277 ~ Complete ~54:PHLOROTANNIN -RICH CAPSULE WITH EASE-CONSTIPATION ACTION AND PROCESSING TECHNOLOGY THEREOF ~71:Qingdao University of Science and Technology, No.53, Zhengzhou Rd, Qingdao , Shandong, 266042, People's Republic of China ~72: CHE, Hongxia;DONG, Xiufang;LI, Hongyan;QI, Hang;SONG, Lin;WANG, Chunyan;XIE, Wancui;YANG, Xihong~

2021/09293 ~ Complete ~54:UNDERGARMENT ~71:GOVENDER, Jeremy, 266 Parkstation Road, Grrenwood Park, Durban 4051, SOUTH AFRICA, South Africa ~72: GOVENDER, Jeremy~ 33:ZA ~31:2020/05204 ~32:21/08/2020

2021/09306 ~ Complete ~54:METHOD FOR RECOVERING GOLD FROM REFRACTORY MATERIALS ~71:Barrick Gold Corporation, BCE Place, Canada Trust Tower, Suite 3700, 161 Bay Street, TORONTO M5J 2S1, CANADA, Canada ~72: CARROLL, Tyler Warnock;MORRIS, Allen Robert~ 33:US ~31:62/856,545 ~32:03/06/2019

2021/09312 ~ Complete ~54:CRUSHING DEVICE ~71:METSO OUTOTEC USA INC., 20965 Crossroads Circle, Waukesha, Wisconsin, 53186, United States of America ~72: KEITH HARBOLD;VADIM REZNITCHENKO~

2021/09296 ~ Complete ~54:FORMULATIONS AND PREPARATIONS FOR PREVENTION AND TREATMENT OF COVID-19 AND FLU THEREFOR ~71:JIANGSU TAIDE PHARMA CO., LTD., 1 China Medical City Avenue, G09 West 1st, Taizhou, Jiangsu , 225316, People's Republic of China ~72: DENG, Bo;ZHANG, Lixin~ 33:CN ~31:202011346807.2 ~32:26/11/2020

2021/09278 ~ Complete ~54:ROBOT FISH FOR UNDERWATER DETECTION AND WORKING METHOD THEREOF ~71:Baicheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China ~72: Huang Qirun;Liu Yingxuan;Liu Zhenguo;Ma Yuanyuan;Qian Zhongyu;Wang Gang;Xu Chang;Yang Haotian;Yang Yulong;Zhang Ying;Zhao Qiang~

2021/09297 ~ Complete ~54:CARBON-LOADED NANO ZERO-VALENT IRON MATERIAL, PREPARATION METHOD THEREFOR AND APPLICATION THEREOF ~71:SOUTH CHINA UNIVERSITY OF TECHNOLOGY, No.381, Wushan Road, Tianhe District, Guangzhou, Guangdong, 510640, People's Republic of China ~72: YE, Daiqi;ZHU, Zhihua~ 33:CN ~31:201911356297.4 ~32:25/12/2019

2021/09314 ~ Complete ~54:PRIMERS AND ASSAYS FOR LINKING REGIONS USING POLYMERASES ~71:THE CHINESE UNIVERSITY OF HONG KONG, C/o Office of Research and Knowledge Transfer Services,

Room 301, Pi Ch'iu Building, Shatin, New Territories, Hong Kong ~72: KWAN CHEE CHAN;WANXIA
GAI;YUK-MING DENNIS LO~ 33:US ~31:62/846,149 ~32:10/05/2019

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

Application Number	Assignor	Assignee
2017/03670	MERIAL, INC.	BOEHRINGER INGELHEIM ANIMAL HEALTH USA INC.
2016/06153	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/06827	MAKO TIDAL TURBINES PTY. LTD.	FREEFLOW ENERGY PTY LTD
2008/07599	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2008/07599	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2013/02821	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2013/02821	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2013/05165	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2013/05165	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2013/06584	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2013/06584	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2013/09414	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2013/09414	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2009/01087	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2009/01087	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2014/02215	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2014/02215	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2013/08834	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2013/08834	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2017/04970	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/07487	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/05166	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/06245	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/07694	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/07625	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/08642	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2017/01103	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD

Application Number	Assignor	Assignee
2016/05744	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2015/07861	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2016/06376	NCM INNOVATIONS (PTY) LTD	EPIROC HOLDINGS SOUTH AFRICA (PTY) LTD
2019/05663	NEIL-BOSS, NICHOLAS CHARLES	CAZZBO (PTY) LTD
2019/00306	ANT FINANCIAL (HANG ZHOU) NETWORK TECHNOLOGY CO., LTD.	BEIJING OCEANBASE TECHNOLOGY CO., LTD.
2011/06110	FABULOUS PHYSIQUE CC	PROCHINO WELLNESS (PTY) LTD
2019/01924	SHARP KABUSHIKI KAISHA	FG INNOVATION COMPANY LIMITED
2017/00342	CELGENE INTERNATIONAL II SARL	RECEPTOS LLC
2021/01455	KME SPECIAL PRODUCTS GMBH	BLITZ F19-906 GMBH & CO. KG
2021/01967	KME SPECIAL PRODUCTS GMBH	BLITZ F19-906 GMBH & CO. KG
2019/03868	KME SPECIAL PRODUCTS GMBH	BLITZ F19-906 GMBH & CO. KG
2021/01100	SHARP KABUSHIKI KAISHA	FG INNOVATION COMPANY LIMITED
2003/09703	MINE SUPPORT PRODUCTS (PTY) LTD	MSP MINE SUPPORT PRODUCTS (PTY) LTD
2005/07063	KUROS BIOSCIENCES AG	KUROS US LLC
2006/02333	DOGWOOD PHARMACEUTICALS, INC.	ALLERGAN SALES, LLC
2007/08283	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED	CRT PIONEER FUND LP
2007/08283	CRT PIONEER FUND LP	MACROPHAGE PHARMA LIMITED
2008/07347	CLARIANT FINANCE (BVI) LTD	CLARIANT INTERNATIONAL LTD
2008/10109	KUROS BIOSCIENCES AG	KUROS US LLC
2009/00445	ALCOA USA CORP.	ALCOA WARRICK LLC
2009/02233	ANTHROGENESIS CORPORATION	CLARITY ACQUISITION II, LLC
2009/02233	ANTHROGENESIS LLC	CELULARITY INC.
2009/04609	THWE NTH DIMENSION (PTY) LTD	CORPORATE LAN ADVERTISING (PTY) LTD
2009/07392	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2010/00358	SMARTCAP TECHNOLOGIES PTY LTD	WENCO INTERNATIONAL MINING SYSTEMS LIMITED
2010/04218	ANTHROGENESIS CORPORATION	CLARITY ACQUISITION II, LLC
2010/04218	ANTHROGENESIS LLC	CELULARITY INC.
2010/04808	XS INNOVATIONS	TRANWALL TECHNOLOGIES PTY LTD
2010/06071	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED	CRT PIONEER FUND LP
2010/06071	CRT PIONEER FUND LP	MACROPHAGE PHARMA LIMITED
2020/04956	COMPASS MINERALS USA INC.	KOCH AGRONOMIC SERVICES LLC

Application Number	Assignor	Assignee
2011/02426	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2011/03130	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/04865	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/04932	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/07469	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/04933	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/0468	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/07470	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2013/07471	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/00699	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/01626	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02898	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02899	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02900	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02901	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02902	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/02913	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/04181	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/04182	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/04183	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/04184	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/07649	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/07858	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2017/08242	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2017/08242	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2014/04180	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED

Application Number	Assignor	Assignee
2015/00618	VELOS MEDIA INTERNATIONAL LIMITED	QUALCOMM INCORPORATED
2020/04074	CORVIDIA THERAPEUTICS, INC.	NOVO NORDISK A/S
2006/10392	FLASH IP (PTY) LTD	FLASH MOBILE VENDING (PTY) LTD
2019/01245	KO, IN-HONG	VISION X ASIA CO., LTD.
2014/03368	LUMENA PHARMACEUTICALS, INC.	SHIRE HUMAN GENETIC THERAPIES, INC.
2008/04853	SHIRE INTERNATIONAL LICENSING B.V.	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2018/07073	KO, IN-HONG	VISION X ASIA CO., LTD.
2019/02588	NOVASEP PROCESS	NOVASEP PROCESS SOLUTIONS
2013/07018	HUTCHINGS, ROBERT (deceased) and OOSTERLAAK, NEIL (deceased)	HUTCHINGS, ALICE and OOSTERLAAK, JESSE
2018/03854	CENTER FOR INFECTIOUS DISEASE RESEARCH UNIVERSITY OF CAPE TOWN	SEATTLE CHILDREN'S RESEARCH INSTITUTE (SCRI)
2017/00021	BEIJING PEARL BIOTECHNOLOGY LIMITED LIABILITY COMPANY	SHANGHAI EMERALD WELLCARE PHARMACEUTICAL CO., LTD
2021/00350	SHANGHAI GREEN VALLEY PHARMACEUTICAL CO., LTD	GREEN VALLEY (SHANGHAI) PHARMACEUTICALS CO., LTD.
2010/04751	NOVASEP PROCESS	NOVASEP PROCESS SOLUTIONS
2019/03100	LUNDBECK LA JOLLA RESEARCH CENTER, INC.	H. LUNDBECK A/S
2019/03101	LUNDBECK LA JOLLA RESEARCH CENTER, INC.	H. LUNDBECK A/S
2019/03099	LUNDBECK LA JOLLA RESEARCH CENTER, INC.	H. LUNDBECK A/S
2019/03093	LUNDBECK LA JOLLA RESEARCH CENTER, INC.	H. LUNDBECK A/S
2017/07387	LUNDBECK LA JOLLA RESEARCH CENTER, INC.	H. LUNDBECK A/S
2021/07915	QINGDAO UNIVERSITY OF TECHNOLOGY	QINGDAO UNIVERSITY OF TECHNOLOGY, QINGDAO SINO UNITED GROUP CO., LTD and QINGDAO EIHE STEEL STRUCTURE CO., LTD.
2021/07522	XINTELA AB	TARGINTA AB
2017/04839	XINTELA AB	TARGINTA AB
2020/08027	MEDSHINE DISCOVERY INC.	CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD
2006/02544	MEDIGENE AG	ARESUS PHARMA GMBH
2020/03856	ENTERPRISE THERAPEUTICS LIMITED	ENTERPRISE THERAPEUTICS HOLDINGS LIMITED
2020/03856	ENTERPRISE THERAPEUTICS HOLDINGS LIMITED	TMEM 16A LIMITED
2016/00382	SHANGHAI BAOLONG AUTOMOTIVE CORPORATION	BAOLONG HUF SHANGHAI ELECTRONIC CO. LTD
2015/01103	MINE SUPPORT PRODUCTS (PTY) LTD	MSP MINE SUPPORT PRODUCTS (PTY) LTD.
2019/03218	MINE SUPPORT PRODUCTS	MSP MINE SUPPORT PRODUCTS

Application Number	Assignor	Assignee
	(PTY) LTD	(PTY) LTD.
2009/00117	MINE SUPPORT PRODUCTS (PTY) LTD	MSP MINE SUPPORT PRODUCTS (PTY) LTD.
2015/01843	MINE SUPPORT PRODUCTS (PTY) LTD	MSP MINE SUPPORT PRODUCTS (PTY) LTD.
2016/01979	STRUCTA GROUP (PTY) LTD	TURNMILL HOLDINGS (PTY) LTD
2012/06170	CONSOLIDATED RENEWABLE ENERGY SUPPLIES AND TECHNOLOGY SOLAR (PTY) LTD	LEANDER GROUP (PTY) LTD
2014/01378	GOODTECH RECOVERY TECHNOLOGY AS	CRONUS TECHNOLOGY AS
2020/01169	CITIBANK, N.A.	PROXYMITY LIMITED
2010/04307	ABB TECHNOLOGY AG	ABB SCHWEIZ AG
2010/04307	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2020/05637	UNILEVER PLC	UNILEVER GLOBAL IP LIMITED
2011/00741	DR D JACK ADAMS	WESTECH ENGINEERING, LLC
2011/00875	SERVICIOS INDUSTRIALES PENOLES, S.A. DE CV.	DOLOREY S.A. DE C.V.
2018/04630	ROBERT BOSCH LIMITADA	BOSCH SOLUCOES INTEGRADAS BRASIL LTDA.
2012/03495	INTERPUMP ENGINEERING S.R.L.	INTERPUMP GROUP S.P.A.
2018/04752	ROBERT BOSCH LIMITADA	BOSCH SOLUCOES INTEGRADAS BRASIL LTDA.
2018/04753	ROBERT BOSCH LIMITADA	BOSCH SOLUCOES INTEGRADAS BRASIL LTDA.
2018/04754	ROBERT BOSCH LIMITADA	BOSCH SOLUCOES INTEGRADAS BRASIL LTDA.
2018/04629	ROBERT BOSCH LIMITADA	BOSCH SOLUCOES INTEGRADAS BRASIL LTDA.
2016/07097	TAKEDA GMBH	TAKEDA PHARMACEUTICAL COMPANY LIMITED
2010/00533	ABB POWER GRIDS SWITZERLAND AG	COMEM S.R.L
2014/05855	ESTEVE PHARMACEUTICALS, S.A.	TOWA PHARMACEUTICAL EUROPE, S.L.
2017/01803	CROYDEX LIMITED	NORCROS GROUP (HOLDINGS) LIMITED
2011/03410	ANTHROGENESIS CORPORATION	CLARITY ACQUISITION II, LLC
2011/03410	ANTHROGENESIS LLC	CELULARITY INC.
2011/05502	ANTHROGENESIS CORPORATION	CLARITY ACQUISITION II, LLC
2011/05502	ANTHROGENESIS LLC	CELULARITY INC.
2012/03435	ERBER AKTIENGESELLSCHAFT	BIO-FERM BIOTECHNOLOGISCHE ENTWICKLUNG UND PRODUKTION GMBH
2012/03819	ABB SCHWEIZ AG	ABB POWER GRIDS SWITZERLAND AG
2012/05214	VENTER, WILLEM, ADRIAAN	MOISSON INSTRUMENTATION (PTY)

Application Number	Assignor	Assignee
		LTD
2012/07835	TRANWALL HOLDINGS LIMITED	TRANWALL TECHNOLOGIES PTY LTD

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2002/07948	GYPSY VANDAL RESISTANT SANITARYWARE AND DISTRIBUTION CC	GYPSY VANDAL RESISTANT SANITARYWARE AND DISTRIBUTION (PTY) LTD
2002/07948	GYPSY VANDAL RESISTANT SANITARYWARE AND DISTRIBUTION (PTY) LTD	GYPSY IP HOLDINGS (PTY) LTD
2009/05537	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2009/05537	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2018/00048	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2018/00048	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2015/06156	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2015/06156	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2013/05946	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2013/05946	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2012/05910	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2012/05910	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2019/05811	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2019/05811	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2012/01366	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2012/01366	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2011/00178	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2011/00178	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2011/00898	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2011/00898	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2011/00658	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2011/00658	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2011/00177	PROBIODRUG AG	VIVORYON THERAPEUTICS AG
2011/00177	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2020/04784	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2020/01573	VIVORYON THERAPEUTICS AG	VIVORYON THERAPEUTICS N.V.
2005/07063	CYTOS BIOTECHNOLOGY AG	KUROS BIOSCIENCES AG
2006/03619	SEATTLE GENETICS, INC.	SEAGEN INC.
2007/10208	CYTOS BIOTECHNOLOGY AG	KUROS BIOSCIENCES AG
2007/10109	CYTOS BIOTECHNOLOGY AG	KUROS BIOSCIENCES AG
2009/00445	ALCOA WARRICK LLC	KAISER ALUMINUM WARRICK, LLC
2009/02233	CLARITY ACQUISITION II, LLC	ANTHROGENESIS LLC
2009/02818	BETAFENCE HOLDING BVBA	PRAESIDIAD HOLDING BVBA
2010/02428	SEATTLE GENETICS, INC.	SEAGEN INC.
2010/04218	CLARITY ACQUISITION II, LLC	ANTHROGENESIS LLC
2013/05918	SAMI LABS LIMITED	SABINSA CORPORATION
2018/06501	HATCHERY COMMUNICATIONS TRADING (PTY) LTD.	COUVOIR COMMUNICATIONS (PTY) LTD

Application Number	In the name of	New name
2018/02764	WANZL METALLWARENFABRIK GMBH	WANZL GMBH & CO. KGaA
2019/03964	UCL BUSINESS PLC	UCL BUSINESS LTD
2019/04030	UCL BUSINESS PLC	UCL BUSINESS LTD
2021/02531	BONUMOSE LLC	BONUMOSE, INC.
2011/00875	DOLOREY S.A. DE C.V.	SERVICIOS ADMINISTRATIVOS PENOLES, DE C.V
2011/03232	UNILIN, BVBA	UNILIN, BV
2016/06068	BECHTEL HYDROCARBON TECHNOLOGY SOLUTIONS, INC.	BECHTEL ENERGY TECHNOLOGY SOLUTIONS, INC.
2016/06069	BECHTEL HYDROCARBON TECHNOLOGY SOLUTIONS, INC.	BECHTEL ENERGY TECHNOLOGY SOLUTIONS, INC.
2011/03410	CLARITY ACQUISITION II, LLC	ANTHROGENESIS LLC
2011/05502	CLARITY ACQUISITION II, LLC	ANTHROGENESIS LLC

PATENT LICENSES IN TERMS OF SECTION 53 (7)-REGULATIONS 62 AND 63

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2020/04844	WITHDRAWN	23/08/2021
2020/05546	WITHDRAWN	01/09/2021
2020/04997	WITHDRAWN	17/08/2021
2020/05032	WITHDRAWN	17/08/2021
2020/05205	WITHDRAWN	17/08/2021
2020/05207	WITHDRAWN	17/08/2021
2020/05206	WITHDRAWN	17/08/2021
2020/05270	WITHDRAWN	01/09/2021
2020/05269	WITHDRAWN	01/09/2021
2020/07177	WITHDRAWN	20/10/2021

APPLICATION FOR RESTORATION OF A LAPSED PATENT

THE PATENTS ACT, No. 57 OF 1978

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

Notice is hereby given **SKYVENTURE INTERNATIONAL (UK) LTD OF HAHN & HAHN INC., 222 RICHARD STREET, HATFIELD. PRETORIA. 0001** that made application for the Restoration of the Patent granted to said **SKYVENTURE INTERNATIONAL (UK) LTD** entitled **WIND TUNNEL TURNING VANE HEAT EXCHANGER** numbered **2012/06046** dated **11/11/2021** which became void 15/01/2020 owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **EVEREST FLEXIBLES (PTY) LTD (previously known as Everest Plastics (Pty) Ltd OF ADAMS AND ADAMS, 4 DAVENTRY ROAD, LYNNWOOD. PRETORIA. 0001** that made application for the Restoration of the Patent granted to said **EVEREST FLEXIBLES (PTY) LTD (Previously known as Everest Plastics (Pty) Ltd** entitled **BAG** numbered **2003/04110** dated **12/10/2021** which became void **27/05/2016** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **REMA TIP TOP HOLDING SOUTH AFRICA (PTY) LTD OF SPOOR AND FISHER 4 HIGHVELD EXTENTION, CENTURION. PRETORIA. 0001** that made application for the Restoration of the Patent granted to said **REMA TIP TOP HOLDINGS SOUTH AFRICA (PTY) LTD** entitled **PROTECTIVE RUBBER PUMBER ARRANGEMENT** numbered **2017/01650** dated **03/11/2021** which became void **07/08/2019** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **NEUROTEZ INC, GEMMA CASADESUS SMITH OF ADAMS AND ADAMS, 4 DAVENTRY ROAD, LYNNWOOD. PRETORIA. 0001** that made application for the Restoration of the Patent granted to said **NEUROTEZ INC, GEMMA CASADESUS SMITH** entitled **LEPTIN COMPOSITIONS AND METHODS FOR TREATING PROGRESSIVE COGNITIVE FUNCTION DISORDERS RESULTING FROM ACCUMULATION OF NEUROFIBRILLARY TANGLES AND AMLYOID BETA** numbered **2011/04144** dated **11/11/2021** which became void **04/11/2017** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **THE ENERGY WAREHOUSE CC T/A SUNTOY OF ADAMS & ADAMS, 4 DAVENTRY ROAD, LYNNWOOD MANOR. PRETORIA. 0001** that made application for the Restoration of the Patent granted to said **THE GREEN ENERDY WAREHOUSE CC T/A SUNVTOY** entitled **TETHERED SOLAR LAMP ARRENGEMENT** numbered **2015/07129** dated **12/11/2021** which became void **08/01/2021** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **WB INNOVATIONS LIMITED OF DR GERNTHOLTZ, P.O.BOX 8, CAPE TOWN 8000** that made application for the Restoration of the Patent granted to said **WB INNOVATIONS LIMITED** entitled **DRINK CAN CLOSURE ELEMENT** numbered **2012/06559** dated **31/08/2012** which became void **03/03/2015** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

Notice is hereby given **WB INNOVATIONS LIMITED OF DR GERNTHOLTZ, P.O.BOX 8, CAPE TOWN 8000** that made application for the Restoration of the Patent granted to said **WB INNOVATIONS LIMITED** entitled **DRINK CAN CLOSURE ELEMENT** numbered **2011/02376** dated **29/03/2011** which became void **27/08/2015** owing to the non-payment of the prescribed renewal fee.

Any person may give notice of opposition on Patent Form No.19 to the restoration of the patent within two months of the advertisement thereof.

Registrar of Patents

THE PATENTS ACT, No. 57 OF 1978

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

No records available

APPLICATION FOR CORRECTION IN TERMS OF SECTION 50

THE PATENTS ACT, 1978

APPLICATIONS TO CORRECT SPECIFICATION

Applicant: QINGDAO AGRICULTURAL UNIVERSITY No. 700 Changcheng Road, Chengyang District, Qingdao 266109 Shandong People's Republic of China. Request permission to correct or to amend any patent, application for a patent or document lodged in pursuance of such application or in the register of Patent no: **2021/06704** a filing date of **10/09/2021** entitled **METHOD FOR PREPARING FOOD-DERIVED ACE INHIBITORY PEPTIDES FROM ZEIN BY SWEEP FREQUENCY ULTRASOUND COUPLING ENZYMOLYSIS.**

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

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

Registrar of Patents

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: LONDON SCHOOL OF HYGIENE & TROPICAL MEDICINE Keppel Street London WC1E 7HT United Kingdom. Request permission to amend the specification of letters: **22/10/2018** Patent Application No: **2018/07035** for **REOVIRIDAE VACCINE**.

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: AKDENIZ CHEMSON ADDITIVES AG., Industriestrasse 19, Arnoldstein 9601 Austria. Request permission to amend the specification of letters: **18/4/2018** Patent Application No: **2018/02587** for **VINYL CHLORIDE POLYMERS AND COMPOSITIONS FOR ADDITIVE MANUFACTURING**.

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: ENVIROSAN SANITATION SOLUTIONS (PTY) LTD 11 Hillclimb Road, Westmead 3610 Pinetown South Africa. Request permission to amend the specification of letters: **08/4/2015** Patent Application No: **2015/02330** for **WASTE PIPE**.

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: CATERPILLAR INC. of 510 LAKE COOK ROAD SUITE 100, DEERFIELD, ILLINOIS, 60015, UNITED STATES OF AMERICA. Request permission to amend the specification of letters patent no: **2020/02815** of **15 MAY 2020** for **BRAKE FORCE MODULATION TO ENABLE STEERING WHEN STATIONARY**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: Syngenta Crop Protection AG Rosentalstrasse 67, BASEL 4058, SWITZERLAND. Request permission to amend the specification of letters: **29/7/2020** Patent Application No: **2020/04686** for **PRECISION SOWING METHOD AND DEVICE.**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: FLSMIDTH A/S VIGERSLEV Allé 77, 2500 VALBY Denmark. Request permission to amend the specification of letters: **19/5/2008** Patent Application No: **2009/07373** for **VIBRATING SCREEN PANEL.**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

Applicant: ACATERPILLAR INC. of 510 LAKE COOK ROAD SUITE 100, DEERFIELD, ILLINOIS, 60015, UNITED STATES OF AMERICA. Request permission to amend the specification of letters patent no: **2020/03934** of **29 JUNE 2020** for **LOCKING OUT A MACHINE TO PROHIBIT MOVEMENT**

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

Any notice of opposition (on patent Form 19) must be closed at the Patent Office within 2 months from the date hereof.

Registrar of Patents

INSPECTION OF SPECIFICATIONS

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

COPIES OF DOCUMENTS

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

Photocopies: **R1, 00 per page**

(Payment to be affected by means of revenue stamps only.)

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

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

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

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

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

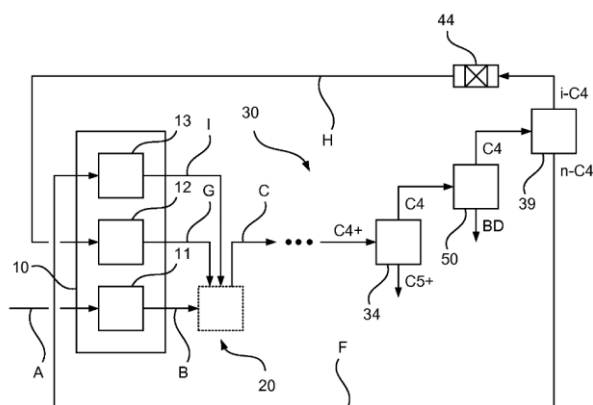
Registrar of Patents

21: 2015/02841. 22: 2015/04/24. 43: 2021/08/24
51: A61K; A61P
71: Aragon Pharmaceuticals, Inc.
72: CHEN, Isan
33: US 31: 61/705,900 32: 2012-09-26
54: ANTI-ANDROGENS FOR THE TREATMENT OF NON-METASTATIC CASTRATE-RESISTANT PROSTATE CANCER
00: -
Described herein are anti-androgens for use in treating non-metastatic castrate-resistant prostate cancer

21: 2016/01156. 22: 2016/02/19. 43: 2021/08/24
51: C10G
71: LINDE AKTIENGESELLSCHAFT
72: WALTER, Stefanie, FRITZ, Helmut, SCHMIDT, Gunther
33: DE 31: 10 2013 014 866.9 32: 2013-09-05
33: DE 31: 13004662.6 32: 2013-09-25
54: METHOD FOR PRODUCING HYDROCARBON PRODUCTS

00: -
The invention relates to a method for producing hydrocarbon products, according to which a hydrocarbon flow (C4) is provided which contains predominantly branched and unbranched hydrocarbons, all of these hydrocarbons having four carbon atoms. A first and a second partial flow (i-C4, n-C4) are obtained from the above flow, the first partial flow (i-C4) having predominantly branched

hydrocarbons with four carbon atoms and the second partial flow (n-C4) having predominantly unbranched hydrocarbons with four carbon atoms. The method further includes the steam cracking of at least a portion of the first partial flow (i-C4) with a first, higher cracking severity and the steam cracking of at least a portion of the second partial flow (n-C4) with a second, lower cracking severity.



21: 2016/02296. 22: 2016/04/06. 43: 2021/09/28
51: A61K; A61P
71: MERSANA THERAPEUTICS, INC.
72: YURKOVETSKIY, Aleksandr V., YIN, Mao, LOWINGER, Timothy B., THOMAS, Joshua D., STEVENSON, Cheri A., GURIJALA, Venu R.
33: US 31: 61/890,046 32: 2013-10-11
33: US 31: 61/975,455 32: 2014-04-04

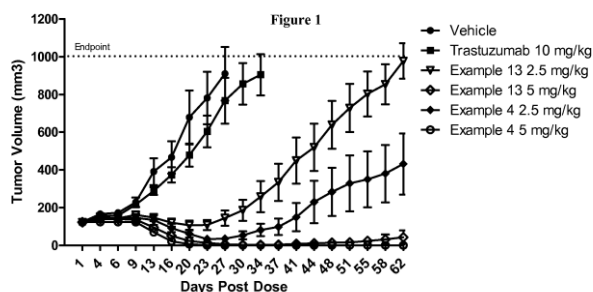
33: US 31: 61/988,011 32: 2014-05-02

33: US 31: 62/010,972 32: 2014-06-11

54: PROTEIN-POLYMER-DRUG CONJUGATES

00: -

A polymeric scaffold useful for conjugating with a protein recognition-molecule (PBRM) to form a PBRM-polymer-drug conjugate is described herein. The scaffold includes one or more terminal maleimido groups. Also disclosed is a PBRM-polymer-drug conjugate prepared from the scaffold. Compositions comprising the conjugates, methods of their preparation, and methods of treating various disorders with the conjugates or their compositions are also described.



21: 2016/04262. 22: 2016/06/23. 43: 2017/06/23

51: A23G

71: CAOTECH BEHEER B.V.

72: HAMMINK, Jan

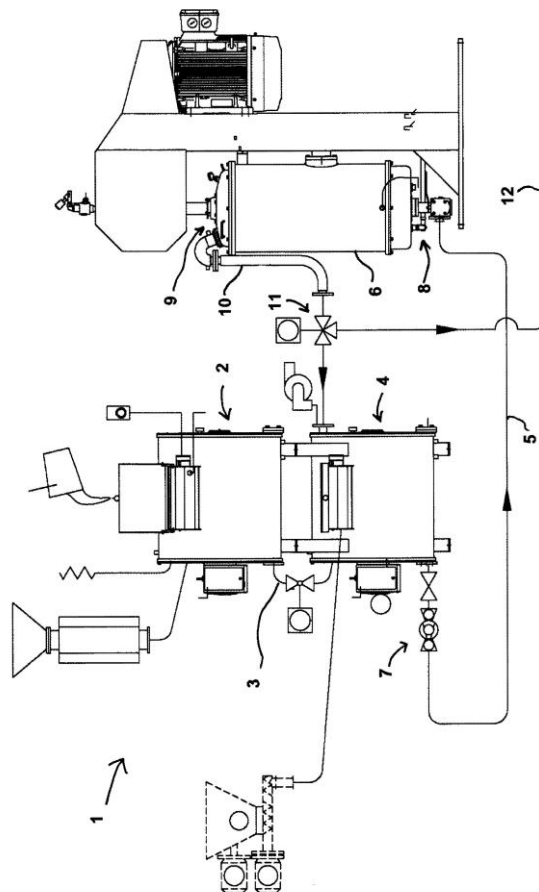
33: NL 31: 2012088 32: 2014-01-15

54: A METHOD FOR OPERATING A BALL MILL AND A MILLING SYSTEM

00: -

The present invention relates to a method for treating a viscous mass comprising solid components in a grinding system, especially a fatty mass with solid components, said grinding system comprising a mixer and a grinding device, said method comprising the steps of: feeding into a mixer the mass to be treated; repeatedly circulating the mass to be treated by means of a displacement device from the mixer through a supply pipe to the grinding device and through a return pipe back to the mixer for reducing the size of said solid components in said grinding device; and further comprising the step of: removing from the system at least part of the treated mass through a branch-off provided in the return line when a predetermined grinding fineness has been obtained; and feeding into the mixer a new mass to be treated and at least partly displacing the

new mass to be treated in said grinding device by means of said displacement device and as a consequence removing at least another part of said treated mass from said system.



21: 2016/07720. 22: 2016/11/09. 43: 2021/09/06

51: A61K; A61P

71: Tecnimede Sociedade Tecnico-Medicinal S.A.

72: PARDAL FILIPE, Augusto Eugénio, EUFRÁSIO PEDROSO, Pedro Filipe, ALMEIDA PECORELLI, Susana Marques, CASIMIRO CAIXADO, Carlos Alberto Eufrásio, LOPES, Ana Sofia da Conceição, DAMIL, João Carlos Ramos, E OLIVEIRA SANTOS, Pedro Paulo de Lacerda

54: PHARMACEUTICALLY ACCEPTABLE SALTS OF PIRLINDOLE ENANTIOMERS FOR USE IN MEDICINE

00: -

The present invention provides pharmaceutically acceptable salts of enantiomerically pure(R)-pirlindole and (S)-pirlindole compounds having an increased bioavailability profile for use in medicine.

21: 2017/01840. 22: 2017/03/15. 43: 2021/10/08
51: A61K
71: CHEMOCENTRYX, INC.
72: FAN, Pingchen, KALISIAK, Jaroslaw, KRASINSKI, Antoni, LUI, Rebecca, POWERS, Jay, PUNNA, Sreenivas, TANAKA, Hiroko, ZHANG, Penglie
33: US 31: 62/057,107 32: 2014-09-29
54: PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5aR ANTAGONISTS
00: -
Intermediates and methods are provided for the preparation of selected C5aR antagonist compounds.

21: 2017/03050. 22: 2017/05/03. 43: 2021/09/28
51: A01K; C07K; G01N
71: REGENERON PHARMACEUTICALS, INC.
72: GURER, Cagan, IOFFE, Ella, MUJICA, Alexander, THURSTON, Gavin
33: US 31: 62/087,992 32: 2014-12-05
54: NON-HUMAN ANIMALS HAVING A HUMANIZED CLUSTER OF DIFFERENTIATION 47 GENE
00: -
Non-human animals, and methods and compositions for making and using the same, are provided, wherein said non-human animals comprise a humanization of an endogenous cluster of differentiation (CD) gene, in particular a humanization of a CD47 gene. Said non-human animals may be described, in some embodiments, as having a genetic modification to an endogenous CD47 gene so that said non-human animals express a CD47 polypeptide that includes a human portion and a non-human portion (e.g., a murine portion).

21: 2017/04206. 22: 2017/06/20. 43: 2021/10/08
51: C08G
71: STRAIT ACCESS TECHNOLOGIES HOLDINGS (PTY) LTD
72: COURY, Arthur, BEZUIDENHOUT, Deon, DE VILLIERS, Jandré, COETZEE, Johan, CONRADIE, David Gideon
33: ZA 31: 2014/09373 32: 2014-12-19
54: POLYURETHANES
00: -
Partially crosslinked polyurethane polymers comprising diisocyanates and aliphatic hydrocarbon soft segments with a short-chain diol chain extender and a multifunctional amine and/or alcohol

crosslinker to provide a polyurethane polymer with useful properties for the production of medical implant devices such as heart valves, are described. The polymers have an unexpected linear elastic region in a range from 5 - 100% and preferably between 10 - 35%. In some embodiments the polyurethanes are a thermally convertible gel formulation which may be converted to a liquid formulation by extended heating to render the polymer suitable for solvent processing techniques such as casting, spraying, spinning, etc. The invention also provides for living hinge polyurethane polymers which are thermally modifiable from a gel to a liquid and reaction injection moulded (RIM) polyurethanes with an enhanced flex life.

21: 2017/04351. 22: 2017/06/27. 43: 2021/10/08
51: E02F; G01G
71: CQMS PTY LTD
72: LESLIE, Bruce Alexander, HILLIER, Nicholas Simon
54: A SYSTEM AND METHOD OF CALCULATING A PAYLOAD WEIGHT
00: -
A system of calculating a payload weight, the system including: a first sensor configured to measure a first load associated with a first member of a lifting machine; a second sensor configured to measure a second load associated with a second member of the lifting machine; and a calculating device configured to calculate the payload weight being carried by the lifting machine based on the first load and the second load.

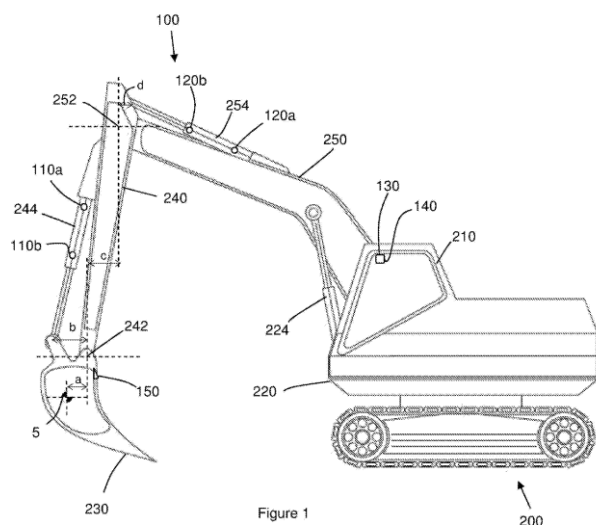


Figure 1

21: 2017/04352. 22: 2017/06/27. 43: 2021/10/08

51: E02F; G01G

71: CQMS PTY LTD

72: LESLIE, Bruce Alexander, HILLIER, Nicholas Simon, ANDREWS, David Clinton

54: A SYSTEM AND METHOD OF CALCULATING A PAYLOAD WEIGHT

00: -

A system of calculating a payload weight, the system including: a first sensor configured to assist in determining an actuator load associated with a ram, the ram being connected to a lifting member; and a calibration module configured to retrieve a calibration factor based on movement of the ram, the calibration factor being applied to the actuator load to thereby provide an adjusted actuator load; wherein the payload weight is calculated based on the adjusted actuator load.

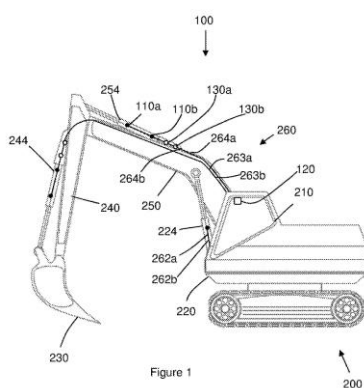


Figure 1

21: 2017/04353. 22: 2017/06/27. 43: 2021/10/08

51: E02F

71: CQMS PTY LTD

72: LESLIE, Bruce Alexander, ANDREWS, David Clinton

54: A SYSTEM AND METHOD OF ESTIMATING FATIGUE IN A LIFTING MEMBER

00: -

A system of estimating fatigue in a lifting member, the system including: a first sensor configured to measure a first load related to a ram, the ram being connected to the lifting member; and a calculating device configured to: determine an actuator load based on the first load; determine a first force based on the actuator load; estimate a unit of fatigue life based on the first force; and estimate a fraction of total fatigue life consumed for a portion of the lifting member based on the unit of fatigue life and a fatigue life adjustment value.

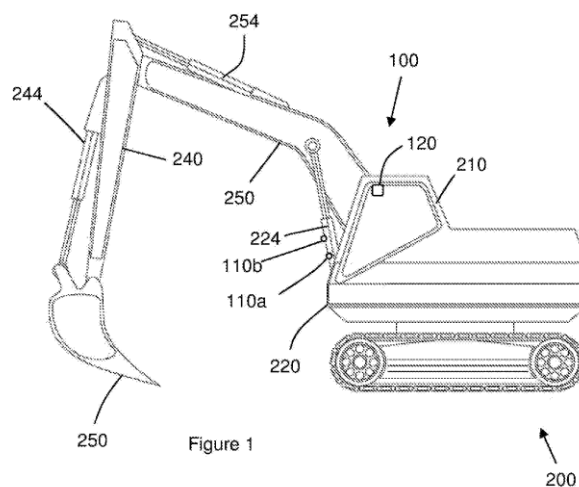


Figure 1

21: 2017/04354. 22: 2017/06/27. 43: 2021/10/08

51: E02F; G01G; G08G

71: CQMS PTY LTD

72: LESLIE, Bruce Alexander, STOODLEY, Michael

54: A SYSTEM AND METHOD OF IDENTIFYING A PAYLOAD DESTINATION

00: -

A system of identifying a payload destination, the system including: one or more sensors; and an identifying module configured to: receive a plurality of inputs from the one or more sensors, the plurality of inputs being associated with payload delivery from a lifting machine; define a plurality of input destination identifiers based on the plurality of inputs; compare the plurality of input destination identifiers with stored identifiers in order to establish

one or more destination match estimates; and identify the payload destination based on the one or more destination match estimates.

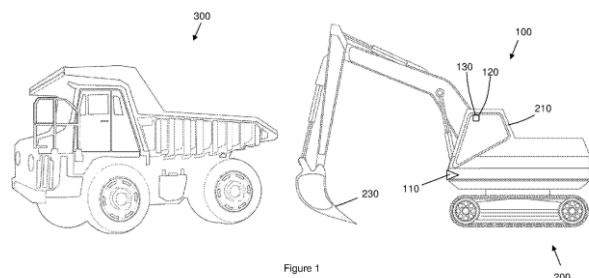


Figure 1

21: 2017/04468. 22: 2017/06/30. 43: 2021/10/08
51: G06Q

71: ISX IP LTD

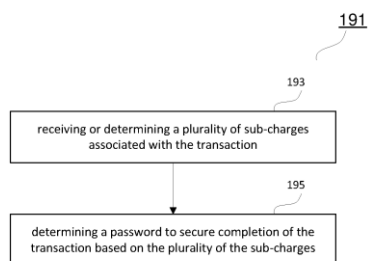
72: KARANTZIS, Nickolas, John

33: AU 31: 2014905270 32: 2014-12-24

54: SECURING A TRANSACTION

00: -

There is provided a computer-implemented method for securing a transaction. The method comprises receiving or determining 193 a plurality of sub-charges associated with the transaction; and determining 195 a password to secure completion of the transaction based on the plurality of the sub-charges.



21: 2017/06963. 22: 2017/10/13. 43: 2021/08/24
51: B22F; C22C; E21B

71: Diamond Innovations, Inc.

72: LONG, Christopher, GLEDHILL, Andrew

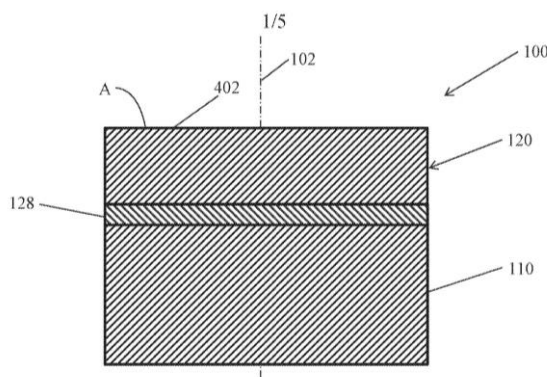
33: US 31: 14/707,289 32: 2015-05-08

54: POLYCRYSTALLINE DIAMOND CUTTING ELEMENTS HAVING NON-CATALYST MATERIAL ADDITIONS

00: -

Polycrystalline diamond cutting elements having enhanced thermal stability, drill bits incorporating the same, and methods of making the same are

disclosed herein. In one embodiment, a cutting element includes a substrate having a metal carbide and a polycrystalline diamond body bonded to the substrate. The polycrystalline diamond body includes a plurality of diamond grains bonded to adjacent diamond grains by diamond-to-diamond bonds and a plurality of interstitial regions positioned between adjacent diamond grains. At least a portion of the plurality of interstitial regions comprise a non-catalyst material, a catalyst material, metal carbide, or combinations thereof. At least a portion of the plurality of interstitial regions comprise non-catalyst material that coats portions of the adjacent diamond grains such that the non-catalyst material reduces contact between the diamond and the catalyst.



21: 2017/07807. 22: 2017/11/17. 43: 2021/10/15
51: H04H

71: ENENSYS TECHNOLOGIES

72: Richard LHERMITTE

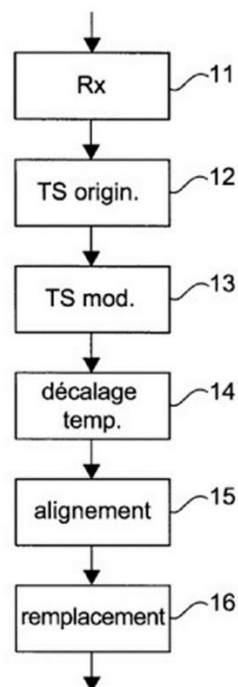
33: FR 31: 1554936 32: 2015-06-01

54: METHOD FOR PROCESSING AN ORIGINAL GLOBAL STREAM INCLUDING AT LEAST ONE PHYSICAL LAYER TUNNEL ENCAPSULATING A TRANSPORT STREAM

00: -

The invention relates to a method for processing an original global stream, outputting a modified global stream, said original global stream being emitted by a head-end and intended for a plurality of broadcast sites, and including at least one physical layer tunnel encapsulating a transport stream. According to the invention, such a method implements the following steps: receiving (11) said original global stream; for at least one physical layer tunnel of said original

global stream, referred to as the original tunnel:
 extracting (12) the transport stream encapsulated in said original tunnel, referred to as the original transport stream; obtaining (13) a modified transport stream; time-shifting (14) said original global stream; aligning (15) said modified transport stream with said original global stream obtained after time-shifting; and replacing (16) said original transport stream with said modified transport stream in the original tunnel.

**Fig.1**

14 Time-shift
 15 Alignment
 16 Replacement

The present disclosure relates to a bispecific antibody construct comprising a first binding domain which binds to human FLT3 on the surface of a target cell and a second binding domain which binds to human CD3 on the surface of a T cell. Moreover, the disclosure provides a polynucleotide encoding the antibody construct, a vector comprising said polynucleotide and a host cell transformed or transfected with said polynucleotide or vector. Furthermore, the disclosure provides a process for the production of the antibody construct of the disclosure, a medical use of said antibody construct and a kit comprising said antibody construct.

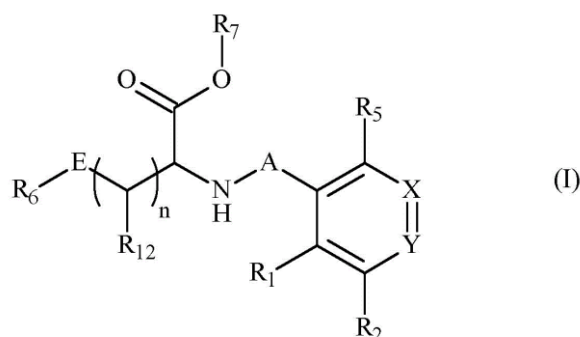
21: 2017/08555. 22: 2017/12/15. 43: 2021/08/24
 51: A61K; A61P; C07D

71: Les Laboratoires Servier, Vernalis (R&D) Limited
 72: SZLÁVIK, Zoltán, SZABÓ, Zoltán, CSÉKEI, Márton, PACZAL, Attila, KOTSCHY, András, BRUNO, Alain, GENESTE, Olivier, CHEN, I-Jen, DAVIDSON, James Edward Paul, MURRAY, James Brooke, ONDI, Levente, RADICS, Gábor, SIPOS, Szabolcs, PROSZENYÁK, Ágnes, PERRON-SIERRA, Françoise, BÁLINT, Balázs
 33: FR 31: 1555747 32: 2015-06-23

54: NEW AMINOACID DERIVATIVES, A PROCESS FOR THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

00: -

Compounds of formula (I): wherein R_1 , R_2 , R_5 , R_6 , R_7 , R_{12} , X , Y , A , E and n are as defined in the description. Medicaments.



21: 2017/08120. 22: 2017/11/29. 43: 2021/10/25
 51: C07K

71: AMGEN RESEARCH (MUNICH) GMBH
 72: Tobias RAUM, Jochen PENDZIALEK, Claudia BLUEMEL, Franziska BOTT, Christoph DAHLHOFF, Patrick HOFFMANN, Elisabeth NAHRWOLD, Markus MUENZ, Johannes BROZY, Peter KUFER, Matthias FRIEDRICH, Benno RATTEL, Pamela BOGNER, Andreas WOLF, Cornelius POMPE

33: US 31: 62/199,944 32: 2015-07-31

33: US 31: 62/290,861 32: 2016-02-03

54: ANTIBODY CONSTRUCTS FOR FLT3 AND CD3

00: -

21: 2018/00159. 22: 2018/01/09. 43: 2021/10/08
 51: B63B; F16B; F16H

71: STEENKAMP, Sarah-May

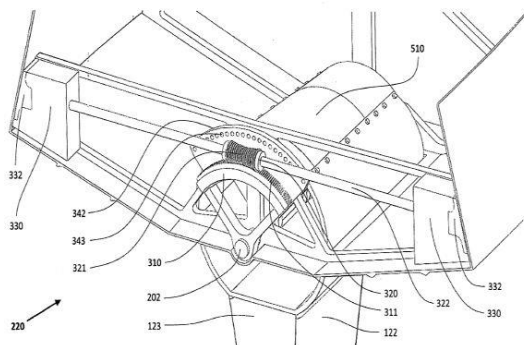
72: CRONWRIGHT, Keith Louis Featherstone

33: ZA 31: 2015/03490 32: 2015-05-19

54: SAILING VESSEL

00: -

A keel canting mechanism for a sailing vessel having a hull, a keel and a mast is disclosed. The mechanism comprises a worm gear co-axial with the longitudinal axis of the vessel about which the keel rotates during a canting movement. There is a double enveloping worm in mesh with the worm gear and means for driving the worm. The worm gear is fast with the hull and, when rotated by the worm, displaces the hull through a canting movement. The gear has a plurality of holes in it into which pins can be inserted to lock the gear, and hence the hull, in the position to which it has been moved by the worm.



21: 2018/01504. 22: 2018/03/05. 43: 2021/10/15

51: B03C; B64C; F24F

71: CREATIVE TECHNOLOGY CORPORATION

72: LUO, Li, TATSUMI, Yoshiaki, TSUBOI, Kazuki

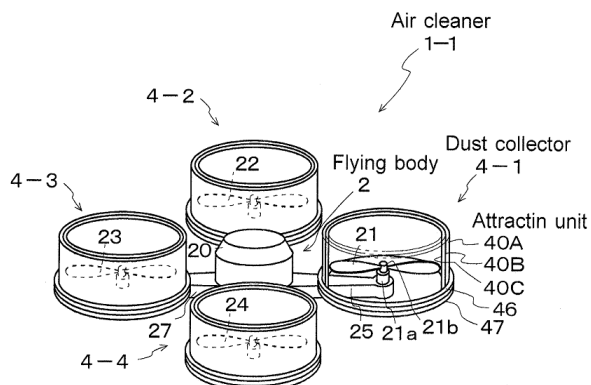
33: JP 31: 2015-178005 32: 2015-09-09

54: AIR CLEANER

00: -

Provided is an air cleaner that can take air in a wider range into a dust collector and can have attached a small dust collector without dropout of dust from the dust collector. An air cleaner 1-1 is provided with a flying body 2 and dust collectors 4-1 - 4-4. The flying body 2 is a drone and has a main body unit 20 and propellers 21 - 24 attached to the tips of frames 25 - 28. Each of the dust collectors 4-1 (4-2 - 4-4) is constituted of a cylindrical adsorption unit 40A - 40C assembled to the propeller 21 (22 - 24), and a power supply unit 31 and a booster unit 33 within the main body unit 20. Each adsorption unit 40A (40B, 40C) is formed from a dielectric 41 and an electrode 42 within the dielectric 41. The electrodes 42, 42, 42 of

the adsorption units 40A, 40B, 40C are connected to the booster unit 33 via respective wiring 33a, 33b, 33c, and the power supply unit 31 is connected to the booster unit 33.



21: 2018/01535. 22: 2018/03/06. 43: 2021/08/24

51: A01H; C12N

71: Bayer CropScience NV

72: SAIDI, Younousse, DEN BOER, Bart, MOUCHEL, Celine, PIEN, Stephane

33: EP(BE) 31: 15180269.1 32: 2015-08-07

54: ROOT-PREFERENTIAL AND STRESS INDUCIBLE PROMOTER AND USES THEREOF

00: -

The present invention relates to the field of agriculture. In particular, the invention provides a promoter, a recombinant gene, plants comprising the recombinant genes and a method to improve yield of a cotton plant under stress conditions.

FIGURE 1



Fig.1 continued

71: CHEMOCENTRYX, INC.

72: CHEN, Xi, DRAGOLI, Dean R., FAN, Junfa, KALISIAK, Jaroslaw, KRASINSKI, Antoni, LELETI, Manmohan Reddy, MALI, Venkat, MCMAHON, Jeffrey, SINGH, Rajinder, TANAKA, Hiroko, YANG, Ju, YU, Chao, ZHANG, Penglie

33: US 31: 62/257,389 32: 2015-11-19

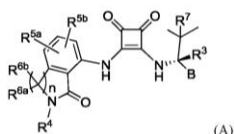
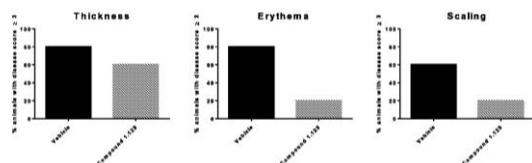
33: US 31: 62/277,711 32: 2016-01-12

54: MODULATORS OF CHEMOKINE RECEPTORS

00: -

Compounds are provided as chemokine inhibitors having the structure: Formula (A).

Thickness, erythema and scaling scores ≥ 3 in mice treated with Compound 1.129 compared to vehicle treated mice in the imiquimod induced psoriasis model



21: 2018/03801. 22: 2018/06/07. 43: 2021/10/15

51: C07K; G01N

71: SYNCERUS S.À R.L.

72: FLOCH, Jean-François

33: EP 31: 15307190.7 32: 2015-12-31

33: EP 31: 16305133.7 32: 2016-02-05

54: COMPOSITIONS AND METHODS FOR ASSESSING THE RISK OF CANCER OCCURRENCE

00: -

The present invention provides a method for evaluating the risk of occurrence of cancer in an individual.

21: 2018/03824. 22: 2018/06/08. 43: 2021/10/15

51: E21D

71: NCM INNOVATIONS (PTY) LTD

72: CROMPTON, Brendan Robert, SHEPPARD, James William

33: ZA 31: 2017/03954 32: 2017-06-09

33: ZA 31: 2017/05037 32: 2017-07-25

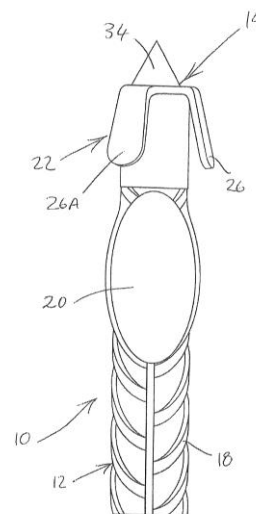
33: ZA 31: 2017/08056 32: 2017-11-28

54: RESIN ANCHORED ROCK BOLT WITH A LOCATING FORMATION AT A LEADING END

00: -

The invention provides a centralizing positioner for a resin bolt which includes a central attachment part

which is adapted to engage a leading end of the bolt and a positioning part integral with the attachment part that extends from the attachment part.



21: 2018/03920. 22: 2018/06/12. 43: 2021/10/15

51: C08F; C08L

71: BOREALIS AG

72: Georg GRESTENBERGER, Daniela MILEVA, Susanne KAHLEN, Pavel SHUTOV

33: EP 31: 16153368.2 32: 2016-01-29

54: HETEROPHASIC PROPYLENE COPOLYMER WITH LOW SHRINKAGE

00: -

A heterophasic propylene copolymer (HECO) comprising a polypropylene matrix having a melt flow rate MFR2 (230 °C) in the range of 40 to 120 g/10min and a comonomer content in the range of 30 to 75 mol-% for the preparation of molded articles with low CLTE.

21: 2018/04199. 22: 2018/06/22. 43: 2021/10/15

51: A24F

71: R. J. REYNOLDS TOBACCO COMPANY

72: SEARS, Stephen Benson, TALUSKIE, Karen V., DAVIS, Michael F., ADEME, Balager, HUBBARD, Sawyer Austin

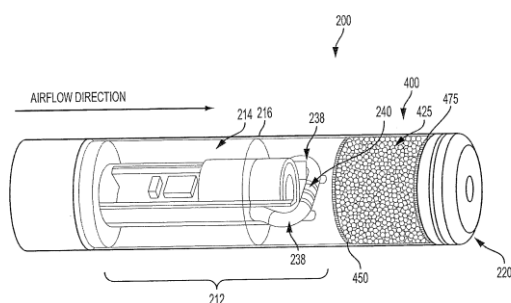
33: US 31: 14/950,724 32: 2015-11-24

54: ELECTRICALLY-POWERED AEROSOL DELIVERY SYSTEM

00: -

An aerosol delivery system (100) is provided, comprising a control body portion (300) including a first elongate tubular member (304) having a power source (316) disposed therein. A cartridge body

portion (200) includes a second tubular member (216) having opposed first and second ends. One of the first and second ends is removably engaged with one end of the control body portion. The cartridge body portion further comprises a first aerosol generation arrangement (212) disposed within the second tubular member and configured to operably engage the power source upon engagement between the control body portion and the cartridge body portion. A second aerosol generation arrangement (400) is disposed between the first aerosol generation arrangement and a mouth-engaging end of the aerosol delivery system, the second aerosol generation arrangement being either removably engaged with the cartridge body portion or housed within the second tubular member of the cartridge body portion.



21: 2018/04566. 22: 2018/07/09. 43: 2021/10/08

51: C04B

71: SAINT-GOBAIN PLACO SAS

72: MORLAT, Richard, FLETCHER, James, KAMLER, Radomir

33: GB 31: 1522664.0 32: 2015-12-22

54: METHOD FOR THE PRODUCTION OF GYPSUM-BASED BOARDS AND STUCCO SLURRY COMPRISING NON-PREGELATINIZED MIGRATORY STARCH FOR USE THEREWITH

00: -

A method for continuously forming gypsum-based panels of high fixing strength comprises the steps of:

- forming a mixture comprising stucco, non-pregelatinized migratory starch, glass fibre, fluidizer and water;
- casting the mixture in a continuous band;
- maintaining the band under conditions sufficient for the stucco to form an interlocking matrix of set gypsum;
- cutting the band to form one or more wet panel precursors; and
- drying the wet panel precursor to form one or more gypsum-based

panels. • The weight ratio of water to stucco in the mixture is less than 0.7; • the stucco is present in the mixture in an amount of over 60 wt% relative to the total solids content of the mixture; • the starch is present in the mixture in an amount of over 3 wt% relative to the the stucco; • the glass fibre is present in the mixture in an amount of over 1 wt% relative to the stucco; • the fluidizer is present in the mixture in an amount of at least 0,1 wt% relative to the stucco; and the density of the gypsum-based panel is greater than 700 kg/m.

21: 2018/05005. 22: 2018/07/25. 43: 2021/10/27

51: A47J

71: ZAMBUKO, Bester Tauya

72: ZAMBUKO, Bester Tauya

33: ZA 31: 2016/00549 32: 2016-01-26

54: COOKING APPARATUS

00: -

A cooking apparatus for preparing a semi-liquid foodstuff is disclosed, the cooking apparatus comprising: a cooking compartment having a powered heat source to heat substances within the compartment and powered sensor means, adapted to show variable attributes of said substances, the sensor means being linked to a display associated with the apparatus; at least one ground grain repository including a dispenser arrangement linked to the cooking compartment to selectively dispense ground grain particles from the repository to the cooking compartment; and a water reservoir for holding a quantity of water, the reservoir being in fluid communication via a water flow channel with the cooking compartment and having a selectively openable and closeable valve in the water flow channel to allow water to selectively enter the cooking compartment. The invention also extends to a method of preparing a semi-liquid foodstuff.

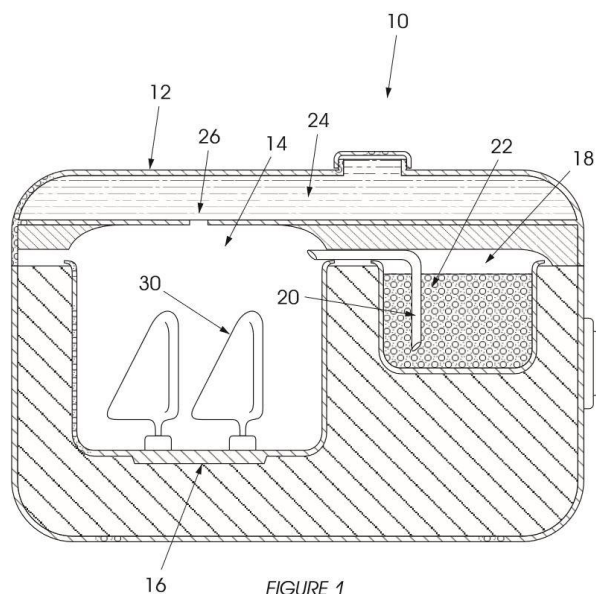


FIGURE 1

21: 2018/06739. 22: 2018/10/10. 43: 2021/08/24
51: A61F

71: ELITE SURGICAL SUPPLIES (PTY) LTD

72: O'TOOLE, John, James

54: CERVICAL DISC

00: -

The invention provides a cervical disc replacement. The disc includes a circular disc shaped annulus, a first endplate, and a second endplate. The circular disc shaped annulus has opposed concave interface surfaces. The first endplate has, on its inner surface, a matching convex interface for engaging one concave interface of the annulus, which interface has a larger surface than that of the convex interface and a circular ridge protruding from the inner surface and surrounding the convex interface. The second endplate has, on its inner surface, a matching convex interface for engaging the other concave interface of the annulus, which interface has a larger surface than that of the concave interface and a circular channel surrounding the convex interface for accommodating the circular ridge of the first endplate.

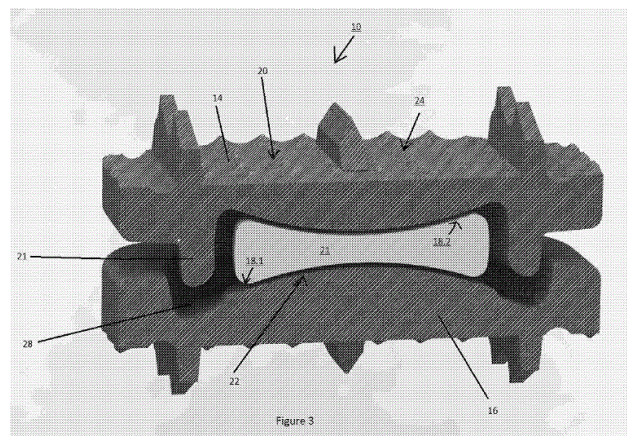


Figure 3

21: 2018/07304. 22: 2018/10/31. 43: 2021/08/24
51: A01P; C12N

71: Valent BioSciences LLC

72: HUANG, Zhengyu, BELKIND, Benjamin A., GANGAVARAPU, Venkat, ZHENG, Zuoxing, MAYHEW, Todd James, ALCALA, Ana Vida C.

33: US 31: 62/345,420 32: 2016-06-03

54: NON-AQUEOUS, NON-OIL BACILLUS AMYLOLIQUEFACIENS COMPOSITIONS

00: -

The present invention is directed to non-aqueous, non-oil liquid compositions comprising *Bacillus amyloliquefaciens* and a liquid carrier. The present invention is further directed methods of controlling nematodes comprising applying an effective amount of a non-aqueous, non-oil liquid composition comprising *Bacillus amyloliquefaciens* and a liquid carrier to an area in need of nematode control.

21: 2018/07718. 22: 2018/11/16. 43: 2021/08/24
51: H02B

71: Eaton Intelligent Power Limited

72: REUBERGER, Georg, GATTRINGER, Thomas

33: DE 31: 10 2017 127 077.9 32: 2017-11-17

54: DEVICE FOR REDUCING FAULT ARCS IN AN ELECTRIC DISTRIBUTION UNIT

00: -

In a device (1) for reducing fault arcs in an electric distribution unit, comprising a housing (2), a first busbar (3) and a second busbar (4), wherein the first busbar (3) has a first electric connection point (5) and the second busbar (4) has a second electric connection point (6), wherein the first busbar (3) is positioned at a distance from the second busbar (4), it is proposed that, within the housing (2), at a predetermined burn-up point (7) for a fault arc, a breakdown voltage value between the first busbar (3) and the second busbar (4) is lowest, and that the housing (2) is open.

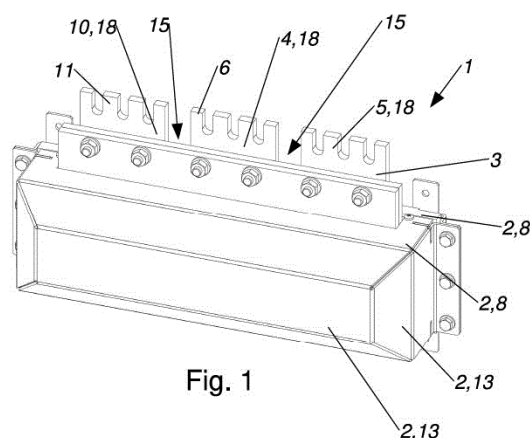


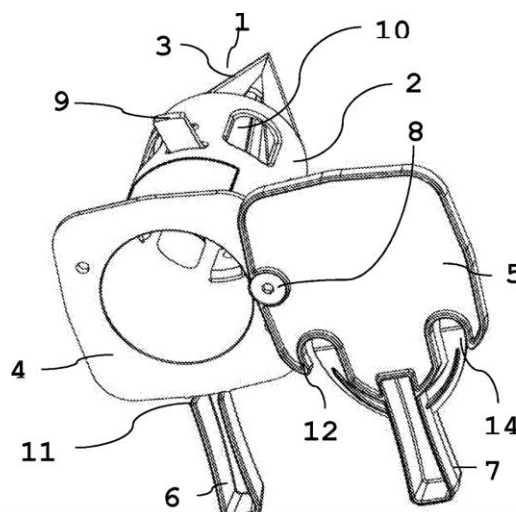
Fig. 1

21: 2019/00408. 22: 2019/01/21. 43: 2021/07/02
51: B65B
71: OMP TRADE GMBH
72: MAYRPETER, Johannes; OBERMAYR, Norbert
33: AT 31: A 50617/2016 32: 2016-12-07
33: AT 31: A 50155/2017 32: 2017-02-27
54: DECANTING DEVICE

00: -

The invention relates to a decanting device for decanting material from a flexible bulk material container, wherein the decanting device has a hollow body (2) that has an upper opening face and a lower opening face, wherein the upper end of the hollow body (2) projects into the interior of the flexible bulk material container so that material from the flexible bulk material container can enter the hollow body (2) via the upper opening face of the latter, wherein at the lower end of the hollow body (2) there is a closure that has an upper plate (4) and a lower plate (5), wherein the lower plate (5) can be

pivoted about the axis of a bolt (8), from a first position in which it completely closes the opening of the upper plate (4) to a second position in which the opening of the upper plate (4) is at least slightly open, wherein the lower plate (5) has a structure (12) that forms at least part of the standing face of the decanting device, wherein the bolt (8) does not extend downward past the standing face.



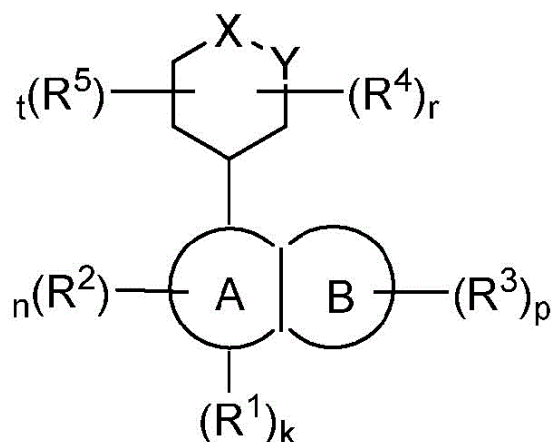
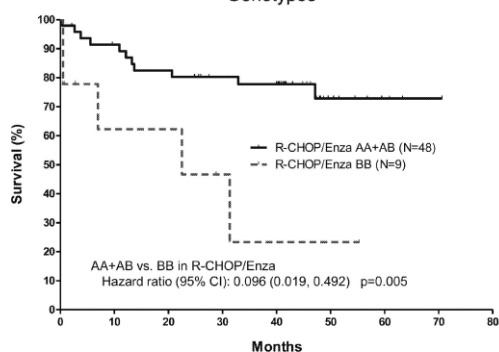
21: 2019/00953. 22: 2019/02/14. 43: 2021/08/24
51: A23L; C08B
71: Société des Produits Nestlé S.A.
72: MATEUS, Maria-Luiza, SIEVERT, Dietmar, DO, Tram Anh Line, CHANVRIER, Hélène Michèle Jeanne
33: EP(CH) 31: 16179668.5 32: 2016-07-15
54: PROCESS FOR PREPARATION OF FOOD PRODUCT COMPRISING HYDROLYZED STARCH
00: -

The present invention relates to a method of preparing a food product comprising hydrolysed starch. In particular, the present invention relates to a method of preparing a food product comprising hydrolysed starch and showing certain texture attributes, in particular a semolina texture.

21: 2019/01221. 22: 2019/02/26. 43: 2021/08/24
51: C12Q
71: Denovo Biopharma LLC
72: LUO, Wen, SUN, Hong
33: US 31: 62/382,734 32: 2016-09-01
54: METHODS AND COMPOSITION FOR THE PREDICTION OF THE ACTIVITY OF ENZASTAURIN
00: -

The present invention describes biomarkers that have been discovered to correlate with varied individual responses (e.g., efficacy, adverse effect, and other end points) to enzastaurin, in treating diseases such as, DLBCL, GBM, and other cancer types. The newly discovered biomarkers and others in linkage disequilibrium with them can be used in companion diagnostic tests which can help to predict drug responses and apply drugs only to those who will be benefited, or exclude those who might not be beneficial, by the treatment.

Figure 3C. S028 First Line
Overall Survival in Enza + RCHOP Treated Patients Carrying Different Genotypes



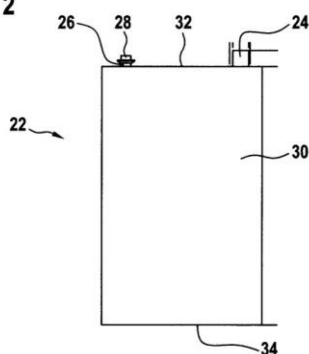
I

21: 2019/01622. 22: 2019/03/15. 43: 2021/10/26
51: B65D
71: MAUSER-WERKE GMBH
72: WEYRAUCH, Detlev
33: DE 31: 20 2016 005 920.4 32: 2016-09-23
54: CLOSED-HEAD DRUM WITH LINER, AND METHOD FOR PRODUCING THE SAME
00: -

The present invention relates to a closed-head drum (10), with a thin-walled liner (22) made of multilayered plastic film inserted therein, for the storage and for the transportation of liquid or free-flowing contents. In order to improve the use of liners in closed-head drums, and to facilitate in particular the handling for the users, for example those people tasked with filling and emptying the drums, so to allow the closed-head drum (10) with liner (22) to be handled in precisely the same way as a closed-head drum without a liner, the present invention provides for the liner surface to adhere, or be adhesively bonded in a releasable manner, to the inner wall of the drum by virtue of a vacuum being created in the air gap between the inner wall of the drum and liner surface and by thermal activation taking place as a result of hot air being blown into the interior of the liner.

21: 2019/01424. 22: 2019/03/07. 43: 2021/08/24
51: C07D
71: Merck Patent GmbH
72: SHERER, Brian A., CHEN, Xiaoling, CLEARY, Esther, BRUGGER, Nadia
33: US 31: 62/371,917 32: 2016-08-08
54: TLR7/8 ANTAGONISTS AND USES THEREOF
00: -

The present invention relates to compounds of Formula I and pharmaceutically acceptable compositions thereof, useful as TLR7/8 antagonists.

Fig. 2

21: 2019/01631. 22: 2019/03/15. 43: 2021/08/24

51: C01G; G01K

71: Diamond Innovations, Inc.

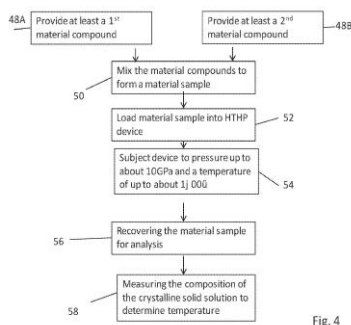
72: MAYBERRY, Camille, STOYANOV, Emil, LEINENWEBER, Kurt, MALIK, Abds-Sami

33: US 31: 62/402,418 32: 2016-09-30

54: DETERMINING TEMPERATURE INSIDE A HIGH PRESSURE CELL BY EVALUATING SOLID SOLUTION COMPOSITION

00: -

A method for the measurement of temperature in high temperature and high pressure processes includes the steps of providing at least a first material compound and at least a second material compound. The at least first and second compounds are mixed to form a material sample. The material sample is loaded into a device and the device and material sample are subjected to a high pressure of up to about 10 GPa and a high temperature of up to about 1700 °C to form the material sample into a solid crystalline solution. The material sample is recovered for analysis and the composition of the crystalline solid solution is measured to determine the temperature.

**Fig. 4**

21: 2019/01749. 22: 2019/03/20. 43: 2021/08/24

51: A61K; A61P; C07D

71: Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie E.V., Klinikum der Universität München, University of Notre Dame du Lac

72: KLOSS, Florian, SCHIEFERDECKER, Sebastian, BRAKHAGE, Axel, DREISBACH, Julia, MILLER, Marvin J., MÖLLMANN, Ute, WOJTAS, Kamil Philip

33: EP(DE) 31: 16190199.6 32: 2016-09-22

54: NEW ANTIMICROBIAL COMPOUNDS, THEIR USE FOR THE TREATMENT OF MAMMALIAN INFECTIONS AND A NEW METABOLIC MECHANISM

00: -

The present invention relates to the general field of treatment of infectious diseases of mammals (humans and animals) caused by bacteria, in particular to the treatment of diseases like tuberculosis (TB), Buruli ulcer and leprosy caused by mycobacteria. The invention aims at the generation of a new series of benzothiazinone compounds having the potential to overcome the above mentioned problems. The invention is in a preferred embodiment concerned with compounds of the general formula (I), wherein the substituents R¹ to R¹⁵ have the meanings as provided in claim 1 and depending claims.

21: 2019/01975. 22: 2019/03/29. 43: 2021/09/28

51: A24F

71: RAI STRATEGIC HOLDINGS, INC.

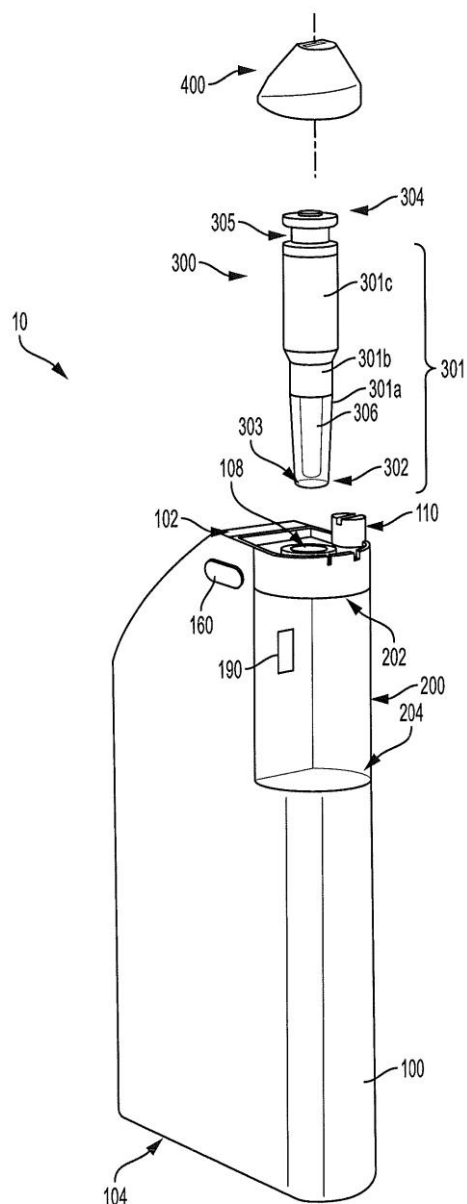
72: ROGERS, James William, BROWN, Lisa E., DEMOPOULOS, James, DAVIS, Michael F., PHILLIPS, Percy D., MINSKOFF, Noah Mark

33: US 31: 15/274,073 32: 2016-09-23

54: AN AEROSOL DELIVERY DEVICE WITH REPLACEABLE WICK AND HEATER ASSEMBLY

00: -

An aerosol delivery device includes a housing (100) and a reservoir (300) having an open end and an opposing closed end. The reservoir includes an aerosol precursor composition therein. The aerosol delivery device also includes an electrical contact in or on the housing. The device further includes a vaporizing unit. The vaporizing unit includes a liquid transport element (306), a heating element (308), and an electrical connector (320). The vaporizing unit is configured to removably engage the open end of the reservoir such that the liquid transport element is in arrangement with the reservoir to transfer the aerosol precursor composition from the reservoir to the heating element and configured to engage the electrical contact in or on the housing.



21: 2019/01983. 22: 2019/03/29. 43: 2021/08/24

51: A61K; A61Q

71: Colgate-Palmolive Company

72: SIMON, Eric, PORTER-MALONEY, Venda, STROTMAN, Hallena

54: ORAL CARE COMPOSITIONS WITH INCREASED WHITENING EFFICACY

00: -

An oral care composition and method for whitening teeth is disclosed. The oral care composition includes an orally acceptable vehicle, a blue dye and/or blue pigment having a blue to blue-violet color with a hue angle in the CIELAB system from

about 200 to about 320 degrees, and a phosphate/acrylate copolymer.

21: 2019/02084. 22: 2019/04/03. 43: 2021/09/28

51: B65G

71: PRECISION PLANTING LLC

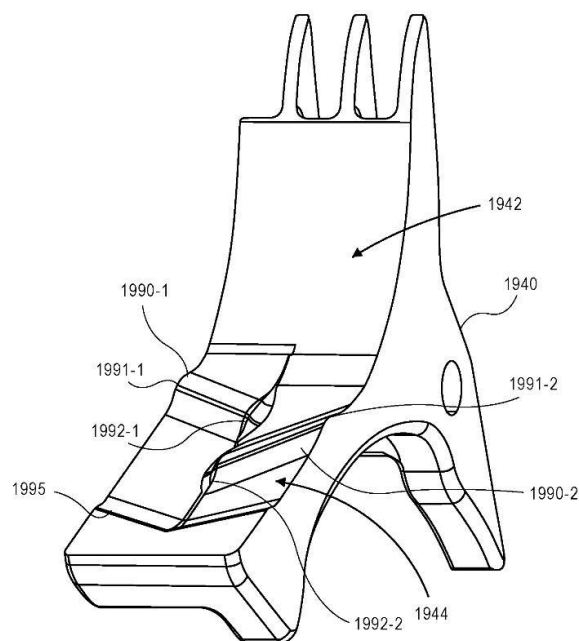
72: RADTKE, Ian, LEVY, Kent

33: US 31: 62/423,105 32: 2016-11-16

54: SEED DELIVERY APPARATUS

00: -

Described herein is a seed conveyor assembly that delivers seed to a planting surface in a controlled manner to maintain seed placement accuracy within a trench. In one embodiment, a seed guide for a seed conveyor assembly includes a relief portion and an introduction portion that includes at least one protrusion. The protrusion is angled from a side of the introduction portion toward the center of the introduction portion. The end of the protrusion is proximate the center of the introduction portion being further from the relief portion.



21: 2019/02086. 22: 2019/04/03. 43: 2021/08/24

51: A61K; A61P; C07D

71: Merck Sharp & Dohme Corp.

72: ALTMAN, Michael D., CASH, Brandon D., CHANG, Wonsuk, CUMMING, Jared N., HAIDLE, Andrew M., HENDERSON, Timothy J., JEWELL, James P., LARSEN, Matthew A., LIANG, Rui, LIM, Jongwon, LU, Min, OTTE, Ryan D., SIU, Tony,

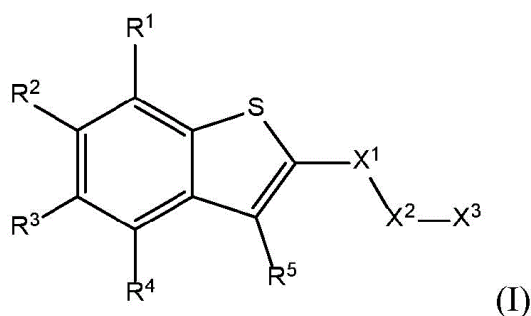
TROTTER, Benjamin Wesley, TYAGARAJAN, Sriram

33: US 31: 62/404,062 32: 2016-10-04

54: BENZO[b]THIOPHENE COMPOUNDS AS STING AGONISTS

00: -

Compounds of general formula (Ia), compounds of general formula (Ia'), compounds of general formula (Ib), compounds of general formula (Ib'), compounds of general formula (I), compounds of general formula (I'), and their pharmaceutically acceptable salts, wherein R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^8 , R^9 , X^1 , X^2 , and X^3 are defined herein, that may be useful as inductors of type I interferon production, specifically as STING active agents, are provided. Also provided are processes for the synthesis and use of compounds of the disclosure.



21: 2019/02527. 22: 2019/04/23. 43: 2021/09/28

51: A61K; A61P

71: CENTREXION THERAPEUTICS CORPORATION

72: OSTOVIC, Drazen, MUSSO, Gary, Fred

33: US 31: 62/416,345 32: 2016-11-02

54: STABLE AQUEOUS CAPSAICIN INJECTABLE FORMULATIONS AND MEDICAL USES THEREOF

00: -

The invention provides stable, aqueous capsaicin injectable formulations, a unit dose containing such injectable formulations, medical kits, and methods for using such injectable formulations and unit doses to treat patients suffering from pain, such as osteoarthritic knee pain. The stable, aqueous capsaicin injectable formulations may contain, for example, capsaicin, a solubilizing agent (e.g., a polyethylene glycol ester of a (C15-C25) hydroxyalkanoic acid), an antioxidant, and water.

21: 2019/02825. 22: 2019/05/06. 43: 2021/10/08

51: B25J; G01B

71: UNIBAP AB

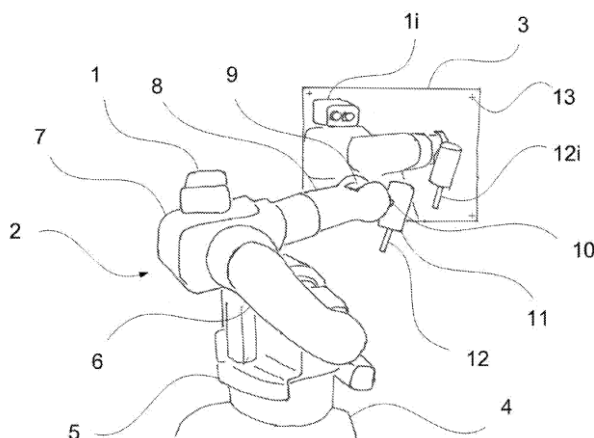
72: ASPLUND, Lars

33: SE 31: 1630273-9 32: 2016-11-22

54: MEASUREMENT SYSTEM AND METHOD OF AN INDUSTRIAL ROBOT

00: -

A measuring system of an industrial robot (2) comprises a plurality of moveable arms including a tool holder (10) and a 3D camera (1) carried by the industrial robot. The measuring system further comprises a mirror (3) for creating a mirror object (12i) of a real object (12). The 3D camera is fixed to one of the moveable arms (7) for measurement of the mirror object (12i).



21: 2019/02829. 22: 2019/05/06. 43: 2021/08/24

51: E21C; E21D

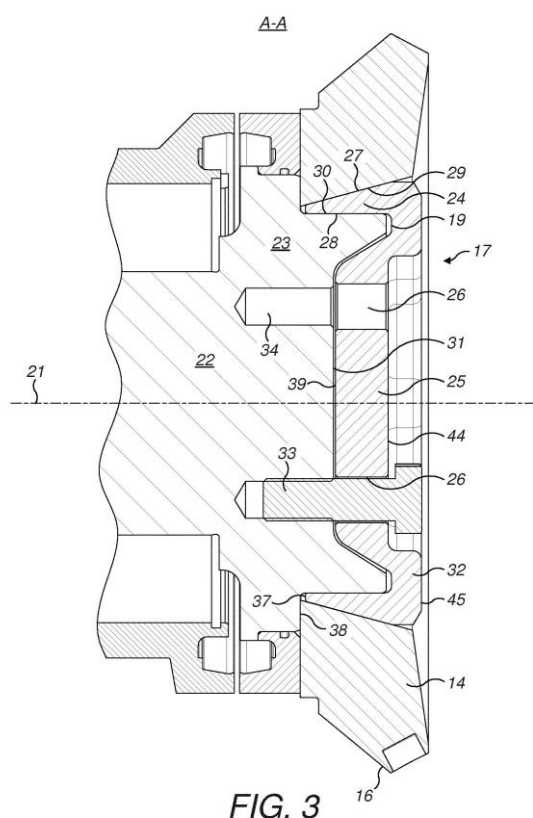
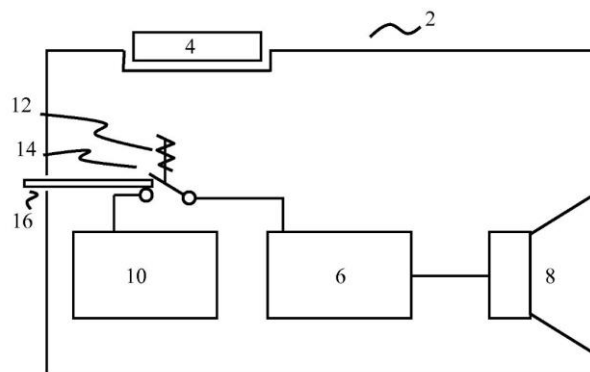
71: Sandvik Intellectual Property AB

72: GIMPEL, Martin, STABER, Guenther, RICHTER, Wolfgang, KARGL, Hubert, KRIBITZ, Gerald, BUMBERGER, Thomas

54: ROLLER CUTTER UNIT FOR UNDERCUTTING MACHINE

00: -

A roller cutter unit (13) mountable at a cutting head (15) of undercutting mining machines (10). The cutter unit comprises an elongate mount shaft (23) to position and support a cutter ring (14). The cutter ring (14) is secured to the mount shaft via a bracket (17) having a wedge segment (24) configured to be wedged axially and radially between the cutter ring and the shaft. Accordingly, a mounting mechanism is provided to achieve a desired force transmission pathway from the cutter ring into the shaft so as to maximise the locking action of the cutter ring at the cutter unit.

**FIG. 3**

21: 2019/03148. 22: 2019/05/20. 43: 2021/09/28

51: G06F; G06Q

71: ISX IP LTD

72: KARANTZIS, Nickolas John

33: AU 31: 2016904748 32: 2016-11-21

54: "IDENTIFYING AN ENTITY"

00: -

The present disclosure relates to identifying an entity to a current electronic payment transaction. A computer system (100) comprises a memory unit (202) that stores instructions. A device interface (206) communicates current transaction data indicative of the current electronic payment transaction with the first entity. The current transaction data includes current identity data representing the first entity. A processor (201) of the computer system (100) that obtains the instructions from the memory unit (202). The processor (201) receives (301) the current transaction data including the current identity data via the device interface (206). The processor (201) also determines (302) whether the first entity corresponds to a second entity by matching the current identity data against an identity profile that is based on historical transactions of the second entity. The processor (201) also identifies (303) the first entity as the second entity if it is determined that the first entity corresponds to the second entity.

21: 2019/02958. 22: 2019/05/10. 43: 2021/08/24

51: G08B

71: RUDOLF KING

72: KING, Rudolf

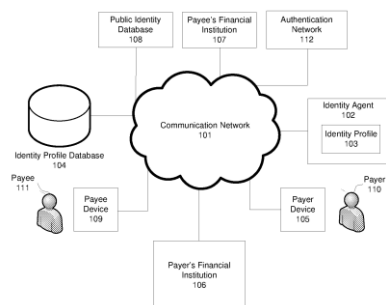
33: DE 31: 20 2017 000 518.2 32: 2017-01-20

54: PORTABLE SIREN AND EMERGENCY CALL DEVICE, AND COMBINATION THEREOF

00: -

Portable siren or emergency call device comprising a portable siren, comprising a loudspeaker (8) for emitting an audio signal, preferably at a high sound pressure, an inner and/or outer switching element (14) for switching off and preferably switching on and off the audio signal, and an outer switch and/or an outer dummy switch (4).

100



21: 2019/03268. 22: 2019/05/23. 43: 2021/09/28

51: B07C; B07B

71: METSO SWEDEN AB

72: LARSSON, CLAES

33: EP 31: 16196333.5 32: 2016-10-28

54: DETECTION SYSTEM

00: -

The invention relates to a detection system in a screening device (1) for screening material, e.g. aggregate, ore or similar, comprising at least one screening decks (2), the at least one screening deck (2) having a screening surface comprising one or more screening modules (4). The system comprises a sensor (5) arranged at or near at least one screening deck of the screening device (2). The sensor (5) is arranged such that it can detect objects present leaving the at least one screening deck (2). The invention also relates to a method for detection of objects in a screening device, and use of the detection system.

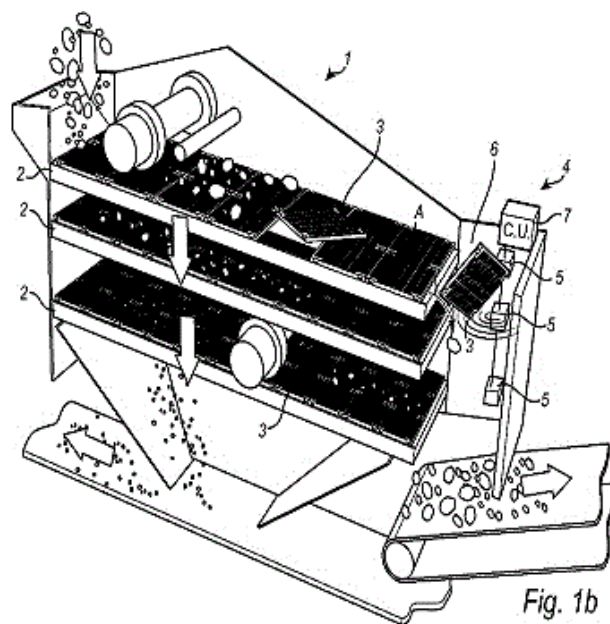


Fig. 1b

21: 2019/03337. 22: 2019/05/27. 43: 2021/10/15

51: A61K; A61Q

71: YUN NV, UNIVERSITEIT ANTWERPEN

72: HENKENS, Tim, KIEKENS, Filip, LEBEER, Sarah, CLAES, Ingmar

33: BE 31: 2016/5812 32: 2016-10-28

54: AEROSOL SPRAY CONTAINING VIABLE BACTERIAL SPECIES

00: -

The present invention is directed to an aerosol spray containing one or more bacterial species and at least one siloxane suitable for applying said one or more bacterial species to a surface or into the environment.

21: 2019/03371. 22: 2019/05/28. 43: 2021/09/28

51: A61K; A61L; C12N; A61P

71: XINTELA AB

72: LUNDGREN ÅKERLUND, Evy, UVEBRANT, Christina, TALTS, Jan

33: US 31: 62/451,372 32: 2017-01-27

54: PREVENTION AND TREATMENT OF BONE AND CARTILAGE DAMAGE OR DISEASE

00: -

Compositions and methods for the prevention and/or treatment of conditions involving disease or damage in mammalian cartilage and bone, using mesenchymal stem cells isolated with anti-integrin $\alpha 10$ antibodies are disclosed.

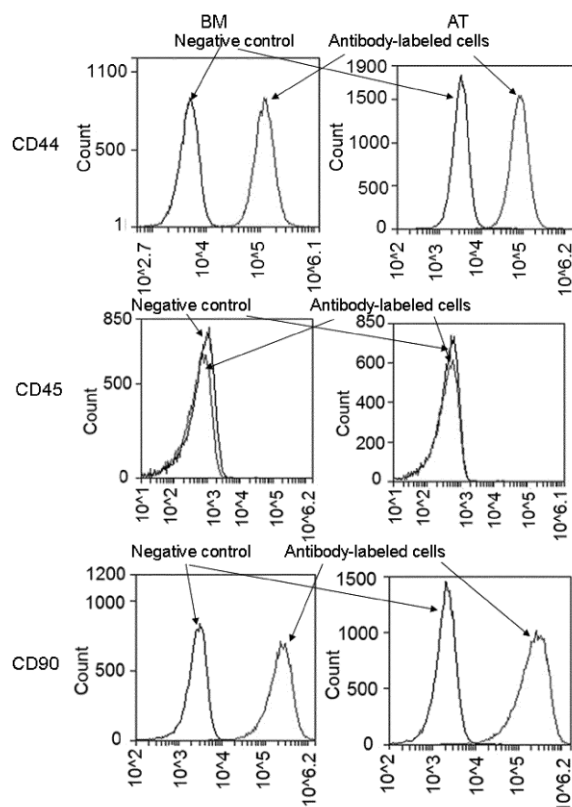


Figure 1

21: 2019/03404. 22: 2019/05/29. 43: 2021/10/08
 51: B61K; G01B
 71: ALSTOM TRANSPORT TECHNOLOGIES
 72: ESPOSITO, Danilo, CABRE PUIGGALI, Francesc-Xavier, GRATACOS MARTI, Pau, MORLEY, David, DIXON, Steve, FOREST COLLADO, Josep, TORRENT PALOMERAS, Albert, CIURANA FERRAGUTCASES, Albert, SERRA MOCHALES, Joaquim

33: EP 31: 18305678.7 32: 2018-06-01

54: TRAIN WHEEL MEASUREMENT PROCESS, AND ASSOCIATED SYSTEM

00: -

This measurement process, intended for measuring at least one wheel (12) of a train (14), comprises the following steps: - an acquisition step, during which a plurality of profiles of at least a part of the wheel (12) are acquired by plurality of optical sensors (32), as the train (14) moves in front of the optical sensors (32); - a mapping step, during which, for each optical sensor (32), the profiles acquired by the optical sensor (32) are joined by a control module (30), to obtain a map of the part of the wheel (12) further transformed into a cloud of points; - a rejoining step,

during which the clouds of points obtained from the optical sensors (32) are joined to form a three-dimensional image of the wheel (12); and - an analysis step, during which a plurality of reference points and reference distances are measured on the three-dimensional image.

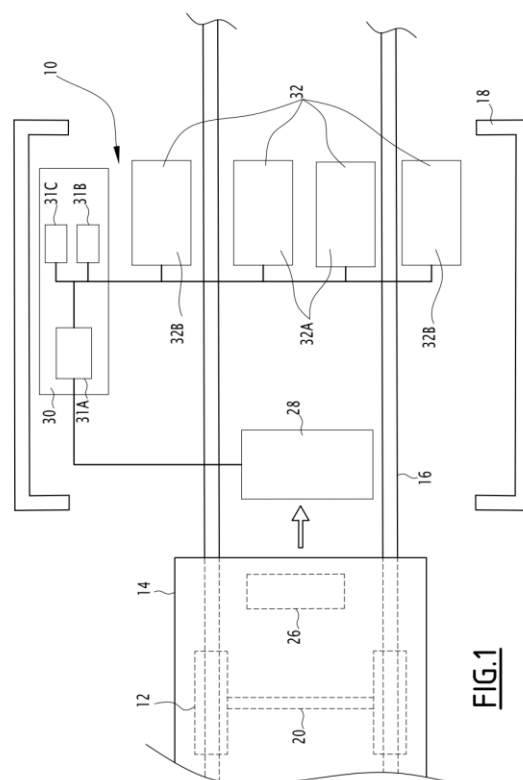


FIG.1

21: 2019/03558. 22: 2019/06/03. 43: 2021/10/08
 51: A61P
 71: GILEAD SCIENCES, INC.
 72: BALAKRISHNAN, Mini, CARR, Brian A., CORBIN, John, PACE, Craig S., THOMSEN, Nathan D., ZHANG, Xue

33: US 31: 62/267,652 32: 2015-12-15

54: HUMAN IMMUNODEFICIENCY VIRUS NEUTRALIZING ANTIBODIES

00: -

The present invention provides novel anti-HIV antibodies with improved therapeutic properties, related pharmaceutical compositions, and methods of use thereof.

21: 2019/03654. 22: 2019/06/07. 43: 2021/09/08
 51: A61K; C07H
 71: THE QUEEN'S UNIVERSITY OF BELFAST, CHROMADEx INC.

72: MIGAUD, MARIE EUGENIE, REDPATH, PHILIP, CROSSEY, KERRI, CUNNINGHAM, RICHARD, ERICKSON, ARON, NYGAARD, RICHARD, STORJOHANN, AMANDA

33: US 31: 15/809,731 32: 2017-11-10

33: US 31: 62/558,073 32: 2017-09-13

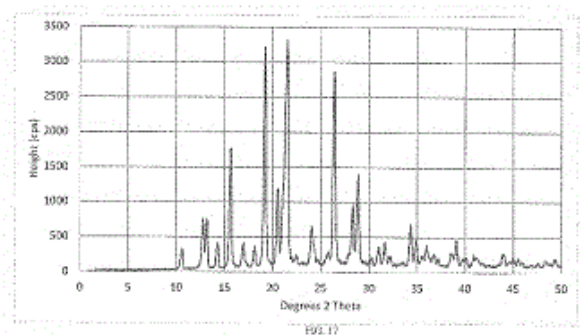
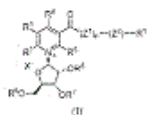
33: US 31: 15/809,753 32: 2017-11-10

33: US 31: 62/420,737 32: 2016-11-11

54: EFFICIENT AND SCALABLE SYNTHESSES OF NICOTINOYL RIBOSIDES AND REDUCED NICOTINOYL RIBOSIDES, MODIFIED DERIVATIVES THEREOF, PHOSPHORYLATED ANALOGS THEREOF, ADENYLYL DINUCLEOTIDE CONJUGATES THEREOF, AND NOVEL CRYSTALLINE FORMS THEREOF

00: -

The present disclosure provides methods of making nicotinoyl riboside compounds or derivatives of formula (I): wherein Xⁿ, Z¹, Z², n, R¹, R², R³, R⁴, R⁵, R⁶, R⁷, and R⁸ are described herein, reduced analogs thereof, modified derivatives thereof, phosphorylated analogs thereof, and adenylyl dinucleotide conjugates thereof, or salts, solvates, or prodrugs thereof; and novel crystalline forms thereof.



21: 2019/03728. 22: 2019/06/11. 43: 2021/09/28

51: A63B

71: SCHOEMAN, Cornelius Jacobus, DU PREEZ, Daniel Theodorus

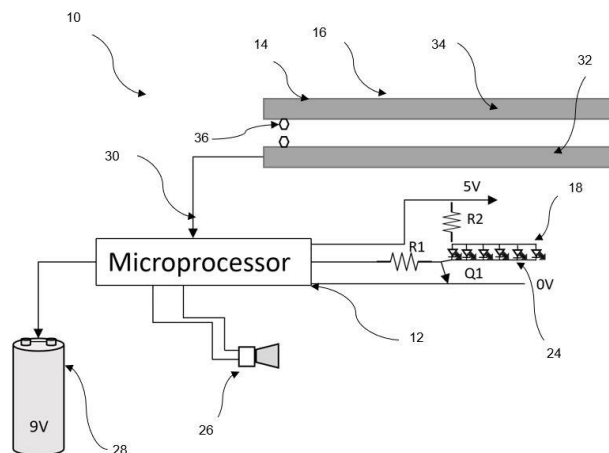
72: SCHOEMAN, Cornelius Jacobus, DU PREEZ, Daniel Theodorus

33: ZA 31: 2018/03968 32: 2018-06-14

54: CRICKET BOWLING AID

00: -

This invention discloses a cricket bowling aid assisting a bowler in target bowling, the aid comprising: a portable microprocessor; a portable floor panel, adapted for in-use electronic communication with the microprocessor, the floor panel being configured to detect impact of a cricket ball when same lands on an upper surface of the floor panel and to transmit an impact signal, that confirms ball impact, to the microprocessor; and a portable visual display unit, in communication with the microprocessor, and configured to in-use present a display and notify the bowler about ball impact on the floor panel in response to a display signal transmitted from the microprocessor to the visual display unit upon receipt of the impact signal by the microprocessor.



21: 2019/03743. 22: 2019/06/11. 43: 2021/09/28

51: B01J; C12Q; G01N

71: ILLUMINA, INC., ILLUMINA CAMBRIDGE LIMITED

72: LANGLOIS, Robert, VIECELI, John, LIU, Xiaohai

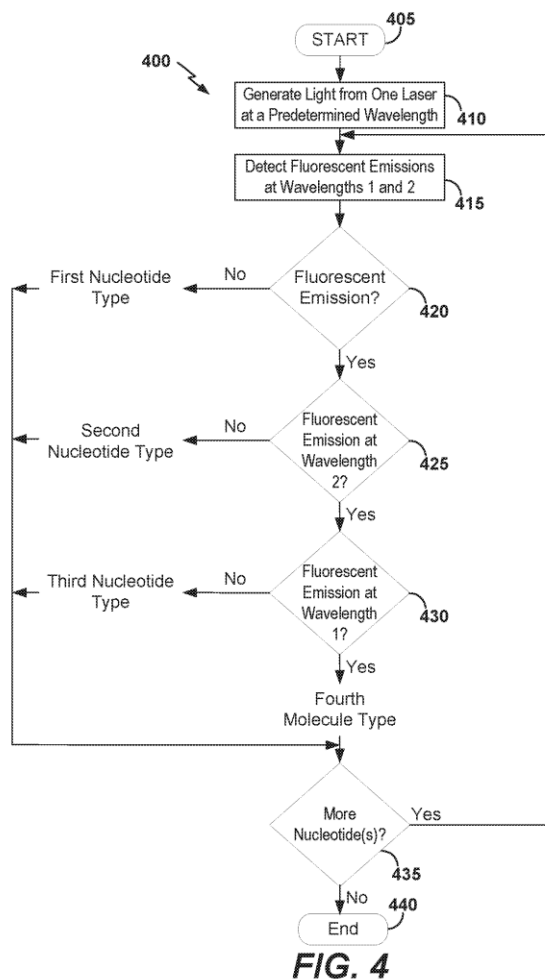
33: US 31: 62/468,242 32: 2017-03-07

54: SINGLE LIGHT SOURCE, TWO-OPTICAL CHANNEL SEQUENCING

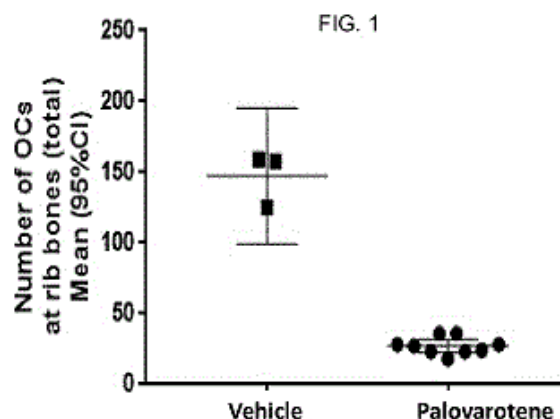
00: -

Disclosed is a system for determining the nucleotide sequence of polynucleotides. The system can comprise a light source, such as a laser or a LED, configured to generate light at a predetermined wavelength. A detector of the system can detect fluorescent emissions at a first wavelength and a second wavelength. A processor of the system identify the nucleotide as a first type if no fluorescent emission is detected by the at least one detector;

identify the nucleotide as a second type if a fluorescent emission at the first wavelength of light is detected by the at least one detector; identify the nucleotide as a third type if a fluorescent emission at the second wavelength of light is detected by the at least one detector; and identify the nucleotide as a fourth type if fluorescent emissions at the first wavelength and the second wavelength of light are detected by the at least one detector.



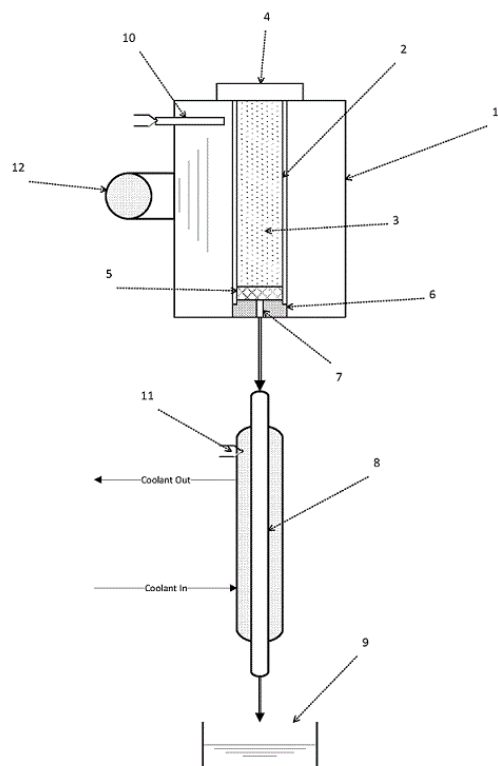
The invention features methods for inhibiting the formation, reducing the size, and slowing the growth of an osteochondroma (MO) by administering to the subject palovarotene (also known as R667), or a pharmaceutically acceptable salt thereof. The methods described herein can also ameliorate complications associated with osteochondroma formation and growth in a subject with MO.



21: 2019/03925. 22: 2019/06/18. 43: 2021/08/24
 51: A61K B01D C11B C01B G01N
 71: NATURAL EXTRACTION SYSTEMS, LLC
 72: THOMAS, C., Russell
 33: US 31: 62/428,868 32: 2016-12-01
**54: RAPID BOTANICAL OIL DISTILLATION
 DEVICE UTILIZING MICROWAVE AGENT**
 00: -

Various aspects of the disclosure relate to methods and systems for extracting plant oil from plant material. A system may comprise a microwave emitter, an extraction chamber, and a cooling chamber. Microwave radiation emitted by the microwave emitter may dielectrically heat a microwave absorbing agent, which may heat the plant oil of the plant material. Plant oil of the plant material may be volatilized in the extraction chamber and may be directed into the cooling chamber to be condensed.

21: 2019/03849. 22: 2019/06/13. 43: 2021/09/28
 51: A61K; A61P; C07D
 71: CLEMENTIA PHARMACEUTICALS INC.
 72: LEMIRE, ISABELLE, HARVEY, MICHAEL,
 GROGAN, DONNA ROY, DESJARDINS, CLARISSA
 33: US 31: 62/423,019 32: 2016-11-16
**54: METHODS FOR TREATING MULTIPLE
 OSTEOCHONDROMA (MO)**
 00: -



inlet joint; the main pump body, the lower pump body and the suction port are in communication in sequence; an annular air passage is formed between the outer side of the lower pump body and the inner side of the main pump body; the lower pump body, the chamber and the main pump body jointly form an annular chamber, the air conveying pipe is provided with a vent hole, and the vent hole is located in the annular chamber. The present invention is simple in structure and high in controllability and has a large instantaneous lifting force, and the lifting efficiency of the device is greatly improved.

21: 2019/04420. 22: 2019/07/05. 43: 2021/10/08
51: G08B

71: FIDELITY ADT (PTY) LTD

72: JOUBERT, Johannes Willem Jakobus,
WESSELS, Carel Lourens

33: ZA 31: 2017/08671 32: 2017-12-20

54: SECURITY SYSTEM WITH CLOUD-BASED CONTROLLER

00: -

The self-contained security device 12.1 comprises a sensor element 13 and a processor 14 connected to the sensor element for generating an intrusion message in response to a signal from the sensor element. An Internet of things (IoT) transmitter 16 is connected to the processor 14 for transmitting to a cloud-based controller 19 the intrusion message via an Internet of things communications path 18 which is provided by an Internet of things network. Fig 1

21: 2019/04118. 22: 2019/06/25. 43: 2021/06/23

51: F04F

71: Hunan University of Humanities, Science and Technology

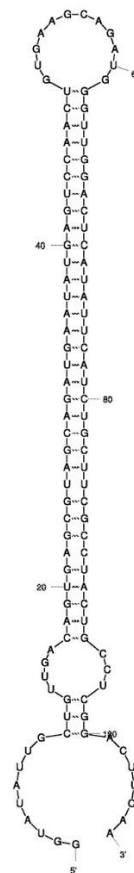
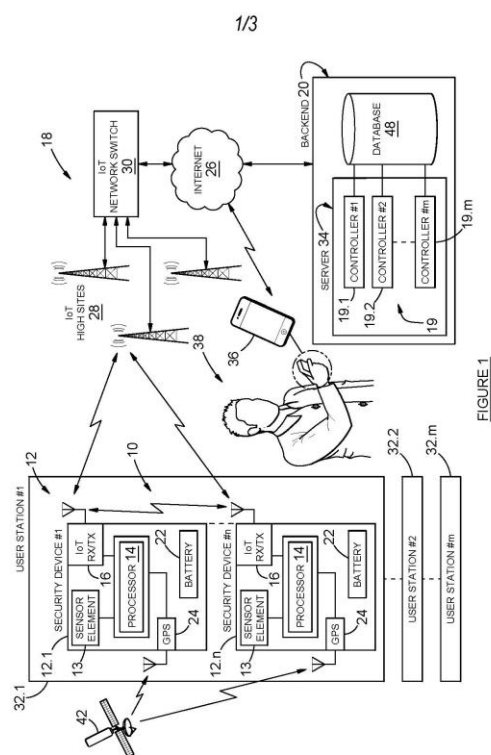
72: HU, Dong, LIU, Heyun, WANG, Shu, TANG, Chuanlin

33: ZA 31: 201810672280.9 32: 2018-06-26

54: HIGH-EFFICIENCY SELF-VIBRATING AIR-LIFT PUMP

00: -

The present invention discloses a high-efficiency self-vibrating air-lift pump which includes a main pump body, a suction port, a lower pump body, an air conveying pipe, a chamber, and a self-vibrating airflow nozzle, where the main pump body is fixedly connected with the chamber, the chamber is fixedly connected with the lower pump body, the lower pump body is fixedly connected with the suction port, the air conveying pipe sequentially passes through the chamber and the lower pump body, one end of the air conveying pipe is connected with the self-vibrating airflow nozzle, the self-vibrating airflow nozzle is disposed in a lifting chamber, the gas flow direction of the self-vibrating airflow nozzle is parallel to the axis of the lifting chamber, and the other end of the air conveying pipe is connected with an air



21: 2019/04532. 22: 2019/07/10. 43: 2021/10/15
 51: A61K; C12N
 71: BENITEC BIOPHARMA LIMITED
 72: STRINGS-UFOMBAH, Vanessa, SUHY, David
 33: US 31: 62/434,312 32: 2016-12-14
54: REAGENTS FOR TREATMENT OF OCULOPHARYNGEAL MUSCULAR DYSTROPHY (OPMD) AND USE THEREOF
 00: -

The present disclosure relates to RNA interference (RNAi) reagents, such as short hairpin microRNA (shmiR) and short hairpin RNA (shRNA), for treatment of oculopharyngeal muscular dystrophy (OPMD), compositions comprising same, and use thereof to treat individuals suffering from OPMD or which are predisposed thereto. The present disclosure also relates to the use of the RNAi reagents in combination with PABPN1 replacment reagents, such as constructs which encode functional PABPN1 protein, for treatment of OPMD, compositions comprising same, and use thereof to treat individuals suffering from OPMD or which are predisposed thereto.

21: 2019/04577. 22: 2019/07/12. 43: 2021/08/24
 51: C07K C12N
 71: UNIVERSITÄT BASEL
 72: ITTIG, Simon, AMSTUTZ, Marlise, KASPER, Christoph
 33: EP 31: 16205439.9 32: 2016-12-20
54: VIRULENCE ATTENUATED BACTERIA BASED PROTEIN DELIVERY
 00: -

The present invention relates to recombinant virulence attenuated Gram-negative bacterial strains and its use in a method of treating cancer in a subject.

21: 2019/04816. 22: 2019/07/23. 43: 2021/09/30
 51: A61K; A61M
 71: ALCRESTA THERAPEUTICS, INC.
 72: GALLOTTO, ROBERT, LORING, GRETA L, GARY, KENNETH, PARK, EDWARD S, BROWN, DAVID J, SCHOEVAART, WILLEM ROBERT KLAAS, VAN VLIET, MICHEL CHRISTIAN ALEXANDER

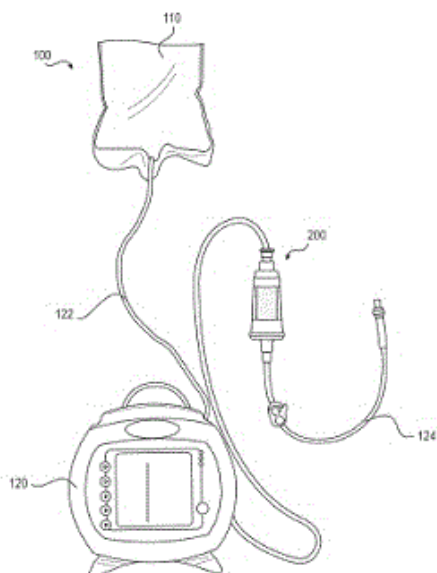
33: US 31: 62/241,608 32: 2015-10-14

33: US 31: 15/291,530 32: 2016-10-12

54: ENTERAL FEEDING DEVICES AND RELATED METHODS OF USE

00: -

The invention relates to a device for processing nutritional formula. The device comprises a body housing a chamber, and one or more particles contained within the chamber, wherein lipase is bonded to the one or more particles. The one or more particles are configured to transition from a dry configuration to a wet configuration when exposed to a nutritional formula wherein, in the dry configuration, the one or more particles have a moisture level of 0.1% to 5%, and wherein, in the wet configuration, the one or more particles swell in volume by no more than 15%.



21: 2019/04817. 22: 2019/07/23. 43: 2021/06/23

51: B62D; B66C

71: Taiyuan University of Science and Technology

72: LIAN, Jinyi, ZHANG, Xiqing, YANG, Weijie, CHEN, Zhaoming, ZANG, Xuechen

33: CN 31: 201810817299.8 32: 2018-07-24

54: RESCUE VEHICLE FOR URBAN FLOOD

00: -

The present invention belongs to the technical field of rescue vehicles, and in particular to an rescue vehicle for an urban flood. The rescue vehicle includes a chassis and a vehicle head portion disposed on the chassis; the chassis include an upper chassis and a lower chassis; the vehicle head portion is disposed on the upper chassis; the lower

chassis is connected to a walking mechanism; the upper chassis is connected to the lower chassis via a lifting apparatus; the upper chassis may be ascended and descended via the lifting apparatus; the walking mechanism is a hydraulic crawler walking mechanism; and the lifting apparatus is a hydraulic lifting mechanism. As the hydraulic crawler walking mechanism is used, the vehicle is guaranteed to have a good water fording capability; and the vehicle head portion is disposed on the upper chassis and may be ascended and descended via the lifting apparatus to make the vehicle head portion and the upper chassis locate on the water, thus guaranteeing the normal operation of a worker

21: 2019/05159. 22: 2019/08/05. 43: 2021/10/26

51: A61K; A61P

71: BIOTRON LIMITED

72: EWART, Gary, LUSCOMBE, Carolyn

33: AU 31: 2017900385 32: 2017-02-08

54: METHODS OF TREATING INFLUENZA

00: -

The present invention relates to the treatment or prevention of influenza virus infection. In particular, the present invention relates to the use of N-carbamimidoyl-5-(1-methyl-1H-pyrazol-4-yl)-2-naphthamide, or a pharmaceutically acceptable salt thereof, in the treatment or prevention of influenza virus infection.

21: 2019/05315. 22: 2019/08/12. 43: 2021/08/24

51: A61K; A61P

71: Isofol Medical AB

72: CARLSSON, Göran U., GUSTAVSSON, Bengt, ODIN, Elisabeth, WETTERGREN, Yvonne, VEDIN, Anders

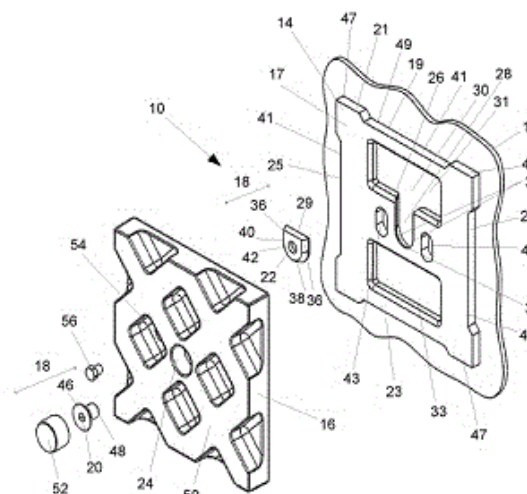
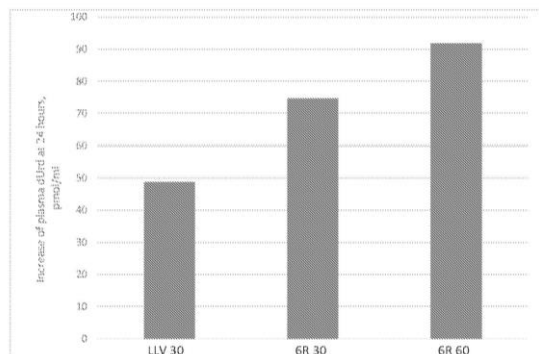
33: US 31: 62/458,868 32: 2017-02-14

54: METHODS FOR INCREASING BLOOD PLASMA 2'-DEOXYURIDINE (dUrd) AND THYMIDYLATE SYNTHASE INHIBITION

00: -

The present invention provides methods for increasing plasma dUrd levels comprising the administration of 6R-MTHF. The methods of increasing plasma dUrd increase dUrd levels compared to equimolar concentrations of LV. The present invention also provides methods for increasing TS inhibition comprising the administration of 6R-MTHF. The present invention

also provides methods for increasing TS inhibition comprising the administration of 6R-MTHF.



21: 2019/05526. 22: 2019/08/21. 43: 2021/09/28
 51: B65G; F16B
 71: METSO MINERALS OY
 72: HOSLIN, JERRY MICHAEL, LU, MING
 33: AU 31: 2017100250 32: 2017-03-02
54: WEAR LINER ASSEMBLY AND ASSOCIATED METHOD OF USE

00: -

In an aspect, there is disclosed a wear liner assembly (10) for a structure (12), the wear liner assembly (10) including a backing (14), a liner (16) and a coupling arrangement (18) having a fastener (20) adapted to couple with a retainer (20), wherein the liner (16) includes an liner aperture (24) and the backing (14) includes a retaining portion (26) arranged to removably retain the retainer (20) such that in an installed condition the fastener (20) is passed through the liner aperture (24) to engage the retainer (22) to secure the liner (16) to the backing (14). In another aspect, a back side (39) of the liner (16) and a front side (17) of the backing (14) are adapted to locate with one another in a first installed orientation and a second installed orientation in which the liner is rotated 180 degrees relative to the first orientation. Associated methods of use are also disclosed.

21: 2019/05917. 22: 2019/09/09. 43: 2021/11/09
 51: C01C; C01G; C02F
 71: Zhongfanlian Technology Development Co., Ltd
 72: ZHOU, Honghui, XU, Xiaodi
 33: CN 31: 201811068047 .6 32: 2018-09-13
54: PROCESS FOR RECOVERING AMMONIA FROM VANADIUM PREPARATION FOR AMMONIUM PREPARATION AND RECYCLING WASTEWATER

00: -

The present invention discloses a process for recovering ammonia from vanadium preparation for ammonium preparation and recycling wastewater. A conventional vanadium extraction process is complex, and the most difficult to control and treat are ammonia emissions and wastewater treatment. The present process can directly extract ammonium metavanadate and ammonium polyvanadate from the beginning of mining and smelting, and gather all emitted ammonia to prepare ammonium in the process of preparing high-purity vanadium pentoxide by using the ammonium metavanadate or the ammonium polyvanadate, thereby ensuring zero emission of the exhaust gas, and effectively treat all wastewater generated in the above process by using a polyacid ester flocculation technology, thereby ensuring that the wastewater is not discharged but recycled, and realizing that the purity of all products reaches 99.5-99.99%.

21: 2019/05926. 22: 2019/09/09. 43: 2021/08/24
 51: B25J; B41J; B41M; B44F; G09F

71: SMRC AUTOMOTIVE HOLDINGS
NETHERLANDS B.V.

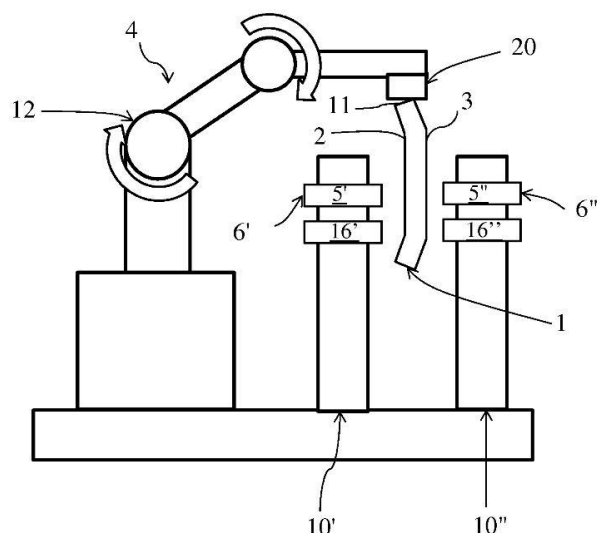
72: HOCHART, Olivier, BONIFACE, Jérôme,
BROCHOT, Benjamin, RONDOT, Maud

33: FR 31: 1751064 32: 2017-02-09

**54: METHOD FOR PRINTING A TRANSPARENT
OR TRANSLUCENT OBJECT AND OBJECT
OBTAINED**

00: -

The subject of the present invention is a method for printing a transparent object (1) comprising first and second faces (2, 3). It comprises: - a first printing step, during which: a substance is applied by a print head (5', 5'') directly to the first face (2) of the object (1) and the object (1) is moved by the support device (4) with respect to the application means (6', 6'') to form a first printed pattern, - a second printing step, during which: a substance is applied by a print head (5', 5'') directly to the second face (3) of the object (1) and the object (1) is moved by the support device (4) with respect to the application means (6', 6'') to form a second printed pattern.



21: 2019/06149. 22: 2019/09/18. 43: 2021/11/09
51: G06K; G06T

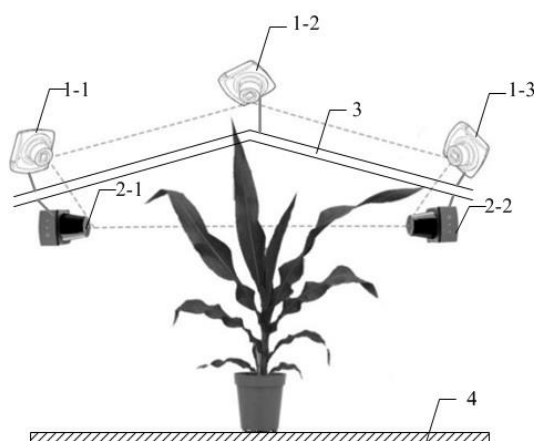
71: Agricultural Information Institute of CAAS
72: ZHANG, Yongen, XU, Shiwei, DI, Jiaying,
WANG, Qiang, WANG, Shengwei, LIU, Jiajia, GUO,
Shutao

33: CN 31: 201910135760.6 32: 2019-02-25

**54: PLANT ORGAN SEPARATION METHOD AND
SYSTEM**

00: -

This invention discloses a plant organ image separation method which includes the steps of: acquiring an image of a plant captured by various camera; acquiring a three-dimensional point cloud under the perspective of each camera; unifying all 3D point clouds into a global coordinate system for splicing; projecting the point cloud of the plant onto an OXY plane of the global coordinate system, to obtain a 2D projection point image of the plant; locating stem and leaf regions of the plant in the 2D image of the to plant using a segmentation model; acquiring a stem point cloud region and a leaf point cloud region of the plant in the ; and performing organ point cloud segmentation of the plant by a K-means clustering algorithm, to obtain a 3D point cloud region corresponding to each organ of the plant. The present invention also discloses a corresponding system.



21: 2019/06303. 22: 2019/09/25. 43: 2021/08/24
51: E21B; E21D

71: Sandvik Mining and Construction Oy

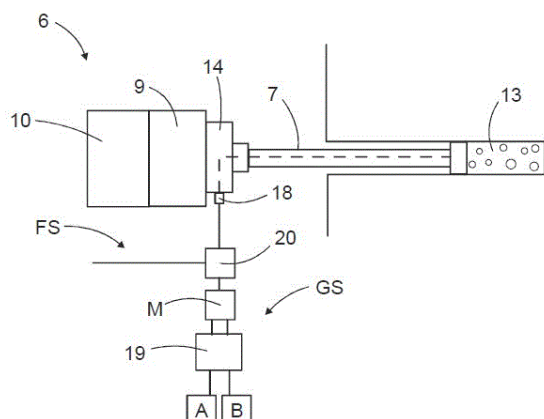
72: MÄNTTÄRI, Maunu, KOUHIA, Anssi

33: EP(FI) 31: 18196904.9 32: 2018-09-26

**54: ROCK DRILLING MACHINE, RIG AND
METHOD FOR REINFORCING ROCK SURFACES**

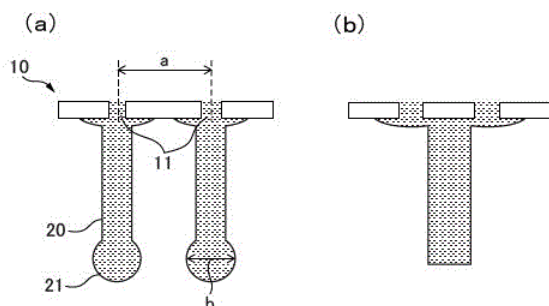
00: -

A rock drilling machine, rock drilling rig and method of reinforcing rock sur-faces by means of grouting material. The grouting material (13) is fed through the rock drilling machine (6) to a drilling tool (7) connected to the rock drilling machine. The rock drilling machine comprises a flushing feed path, which is utilized in the feeding of the grouting material.



21: 2019/06386. 22: 2019/09/27. 43: 2021/08/30
 51: B01D; B01J; F01N
 71: Cataler Corporation
 72: TANAKA, Yuki, FUKUYO, Shoko, NAKADA, Kazuma, YASUTOMI, Eiichi, NISHIMURA, Ryo
 33: JP 31: 2017-072988 32: 2017-03-31
54: MANUFACTURING METHOD FOR EXHAUST GAS PURIFICATION DEVICE
 00: -

The purpose of the present invention is to provide a manufacturing method for an exhaust gas purification device that can uniformly coat a honeycomb substrate with slurry even when using a low viscosity slurry. The present invention pertains to a manufacturing method for an exhaust gas purification device that includes providing a slurry for catalyst layer formation from a shower nozzle onto a honeycomb substrate, coating the honeycomb substrate with the slurry, and firing the honeycomb substrate coated with the slurry, wherein the viscosity of the slurry at a shear rate of 4 s^{-1} is 800 mPa·s or less, the shower nozzle has a plurality of discharge openings for discharging the slurry, the relationship of the spacing a of the discharge openings and the diameter b of the liquid drops formed when starting supply of the slurry is $0.85 < a/b$, and the equivalent diameter c of a slurry face when starting supply of the slurry and the slurry has spread on the honeycomb substrate is greater than or equal to the spacing a of the discharge openings.

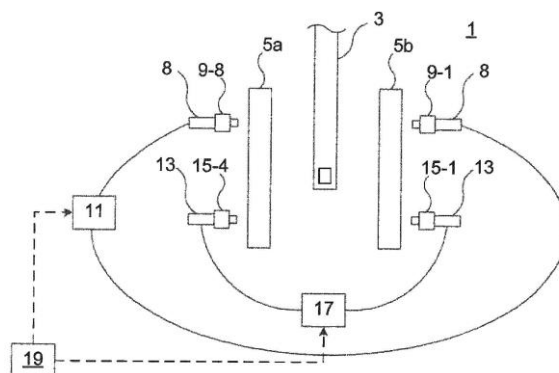


21: 2019/06958. 22: 2019/10/22. 43: 2021/09/06
 51: B22D
 71: ABB Schweiz AG
 72: SEDÉN, Martin, LEHMAN, Anders, ERIKSSON, Jan- Erik
 33: EP(CH) 31: 17176292.5 32: 2017-06-16

54: ELECTROMAGNETIC BRAKE SYSTEM AND METHOD OF CONTROLLING AN ELECTROMAGNETIC BRAKE SYSTEM

00: -

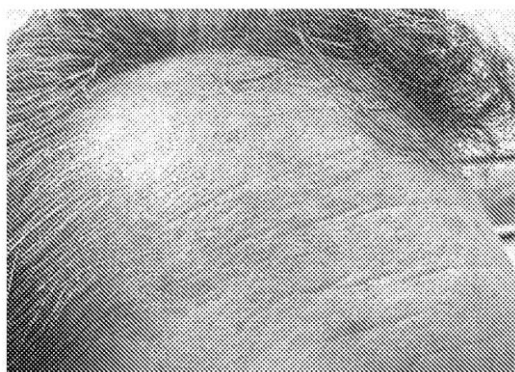
The present disclosure relates to an electromagnetic brake system (7) for a metal-making process. The electromagnetic brake system comprises a two-level magnetic structure, in particular an upper magnetic core structure (8) configured to be mounted to an upper portion of a mould and a lower magnetic core structure (13) configured to be mounted to a lower portion of a mould. Lateral coils (9-1, 9-8) on the upper magnetic structure (8) are configured to be controlled to generate a first magnetic field in a first field direction and inner coils are configured to be controlled to generate a second magnetic field in a second field direction, simultaneously with the first magnetic field. The lower magnetic core structure (13) has lower coils (15-1, 15-4) which are configured to be controlled to generate a third magnetic field in the first direction simultaneously as the lateral coils and the inner coils generate their fields.



21: 2019/07169. 22: 2019/10/30. 43: 2021/09/28
 51: A61K; A61Q
 71: LOCUS IP COMPANY, LLC
 72: FARMER, Sean, ALIBEK, Ken, MAZUMDER, Sharmistha
 33: US 31: 62/502,714 32: 2017-05-07
 33: US 31: 62/537,057 32: 2017-07-26
54: COSMETIC COMPOSITIONS FOR SKIN HEALTH AND METHODS OF USING SAME
 00: -

The topical cosmetic compositions and methods of the subject invention can be used to treat and/or prevent a variety of skin conditions, including, for example, age spots, acne, scars, body odor, aging-related conditions (e.g., wrinkles, looseness and

dryness), and scalp issues (e.g., dandruff, seborrheic dermatitis and hair loss). In preferred embodiments, the compositions according to the subject invention comprise biological amphiphilic molecules produced by microorganisms.



21: 2019/07222. 22: 2019/10/30. 43: 2021/09/28

51: B01J; B01D; C01F

71: RHODIA OPERATIONS

72: OCAMPO, FABIEN, OHTAKE, NAOTAKA

33: EP 31: 17170729.2 32: 2017-05-11

54: MIXED OXIDE WITH ENHANCED RESISTANCE AND NO_x STORAGE CAPACITY

00: -

The present invention relates to a mixed oxide with enhanced resistance and NO_x storage capacity. The mixed oxide may be used as a component of a NO_x trap material in an exhaust system of an internal combustion engine. The invention also relates to a method for treating an exhaust gas from an internal combustion engine using the mixed oxide.

21: 2019/07567 22: 2019/11/15 43: 2021/10/12

51: F42B

71: BUYS, André Johann

72: BUYS, André Johann

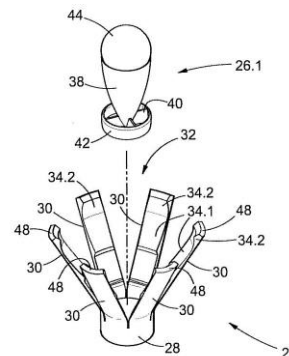
33: US 31: 62/767,802 32: 2018-11-15

54: LESS-LETHAL MUNITIONS

57: This invention relates to less-lethal munitions.

More particularly, the invention relates to a wad and a less-lethal round of ammunition adapted for use with a conventional firearm, which less-lethal shell enables the firearm to propel less-lethal projectiles therefrom. According to a first aspect of the invention there is provided a wad operatively received within an ammunition casing, the wad comprising a substantially disc-shaped base; and a plurality of

tabs extending from the base defining a receiving zone therebetween, with at least some of the tabs provided with an inwardly projecting formation for urging against a projectile operatively received within the receiving zone.



21: 2019/07712. 22: 2019/11/21. 43: 2021/08/24

51: A61K; A61P; C07D

71: Janssen Pharmaceuticals, Inc., Katholieke Universiteit Leuven

72: BONFANTI, Jean-François, KESTELEYN, Bart Rudolf Romanie, BARDIOT, Dorothée Alice Marie-Eve, MARCHAND, Arnaud Didier M., COESEMANS, Erwin, FORTIN, Jérôme Michel Claude, MERCEY, Guillaume Jean Maurice, RABOISSON, Pierre Jean-Marie Bernard

33: EP(BE) 31: 17172237.4 32: 2017-05-22

54: SUBSTITUTED INDOLINE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS

00: -

The present invention concerns substituted indoline derivatives, methods to prevent or treat dengue viral infections by using said compounds and also relates to said compounds for use as a medicine, more preferably for use as a medicine to treat or prevent dengue viral infections. The present invention furthermore relates to pharmaceutical compositions or combination preparations of the compounds, to the compositions or preparations for use as a medicine, more preferably for the prevention or treatment of dengue viral infections. The invention also relates to processes for preparation of the compounds.

21: 2019/07719. 22: 2019/11/21. 43: 2021/08/24

51: C22B; F27B

71: Paul Wurth S.A.

72: KINZEL, Klaus Peter

33: LU 31: 100 260 32: 2017-05-22

54: METHOD OF OPERATING A SINTER PLANT

00: -

The invention concerns a method of operating a sinter plant, wherein a sinter mix is fired in a sintering machine (10), the method comprising the steps of: a) crushing fired sinter to below an upper particle size limit; b) screening the crushed sinter to remove fines and separate at least two sinter size fractions, typically smaller, intermediate and upper size fractions; c) storing each of the at least two sinter size fractions in a respective, separate storage bin (40, 42, 44). The screened sinter fractions are not mixed again at the sinter plant but are forwarded to the blast furnace plant (20'), where they are stored in respective, separate storage bins (40, 42, 44). The screened sinter fractions can be intermediately stored in separate bins at the sinter plant, before being forwarded to the blast furnace.

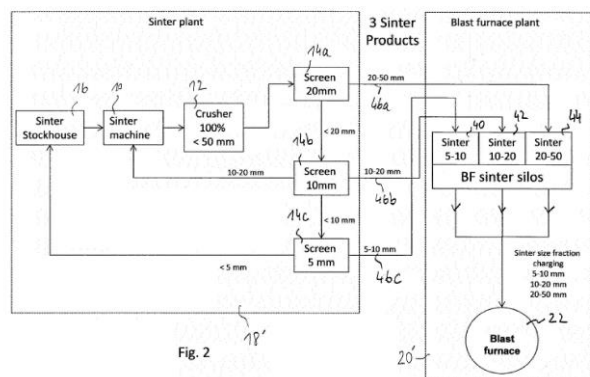


Fig. 2

scheduled content item expected to be displayed on the digital screen and, if the signature of the displayed content item corresponds to the signature of the scheduled content item, a token authenticating the displayed content item is generated.

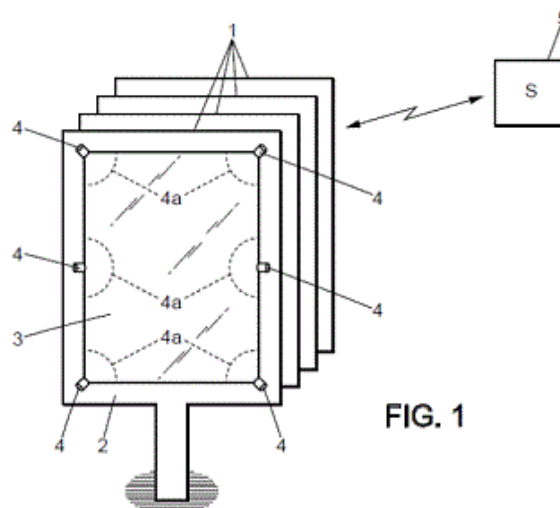


FIG. 1

21: 2019/08198. 22: 2019/12/10. 43: 2021/09/28

51: A61K; C07D

71: BETA PHARMA, INC.

72: GRECO, Michael, Nicholas, COSTANZO, Michael, John, GREEN, Michael, Alan, PENG, Jirong, WILDE, Victoria, Lynn, ZHANG, Don
33: US 31: 62/521,007 32: 2017-06-16

54: PHARMACEUTICAL FORMULATIONS OF N-(2-(2-(DIMETHYLAMINO)ETHOXY)-4-METHOXY-5-((4-(1-METHYL-1H-INDOL-3-YL)PYRIMIDIN-2-YL)AMINO)PHENYL)ACRYLAMIDE AND SALTS THEREOF

00: -

A pharmaceutical formulation of N-(2-(2-(dimethylamino)ethoxy)-4-methoxy-5-((4-(1-methyl-1H-indol-3-yl)pyrimidin-2-yl)amino)phenyl)acrylamide (compound 1), in particular methanesulfonic acid salt thereof, and methods of using the pharmaceutical formulation for the treatment or prevention of diseases or medical conditions mediated through mutated forms of epidermal growth factor receptor (EGFR), such as various cancers, are disclosed.

21: 2019/08018. 22: 2019/12/03. 43: 2021/09/30

51: G06K

71: JCDECAUX SA

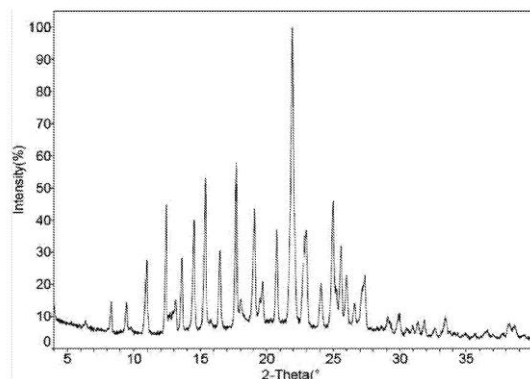
72: BASU, ANIRVAN

33: FR 31: 18 72985 32: 2018-12-14

54: METHOD FOR VERIFYING THE DISPLAY OF A CONTENT ITEM BY A DIGITAL DISPLAY DEVICE, AND DIGITAL DISPLAY SYSTEM

00: -

Method for verifying a content item displayed by a digital display device (1) comprising a central unit and a digital screen (3) controlled by the central unit. A signature is calculated automatically based on snapshots of the content item that are captured at the display device, and this signature is transmitted to a remote server (5) that compares this signature with a similar signature calculated based on a



21: 2019/08205. 22: 2019/12/10. 43: 2021/08/24
51: B22F; E21B

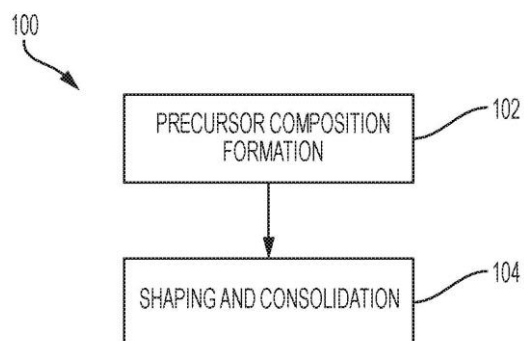
71: Baker Hughes, a GE Company, LLC
72: BIRD, Marc W.

33: US 31: 15/594,174 32: 2017-05-12

54: METHODS OF FORMING SUPPORTING SUBSTRATES FOR CUTTING ELEMENTS, AND RELATED CUTTING ELEMENTS, METHODS OF FORMING CUTTING ELEMENTS, AND EARTH-BORING TOOLS

00: -

A method of forming a supporting substrate for a cutting element comprises forming a precursor composition comprising discrete WC particles, a binding agent, and discrete particles comprising Co, Al, and one or more of C and W. The precursor composition is subjected to a consolidation process to form a consolidated structure including WC particles dispersed in a homogenized binder comprising Co, Al, W, and C. A method of forming a cutting element, a cutting element, a related structure, and an earth-boring tool are also described.



21: 2019/08499. 22: 2019/12/19. 43: 2021/09/28
51: A61K; A61P

71: CELGENE CORPORATION

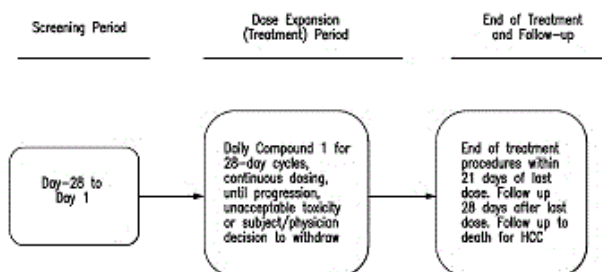
72: FILVAROFF, ELLEN, HEGE, KRISTEN M, LI, SHAOYI

33: US 31: 62/523,688 32: 2017-06-22

54: TREATMENT OF HEPATOCELLULAR CARCINOMA CHARACTERIZED BY HEPATITIS B VIRUS INFECTION

00: -

Provided herein are methods for treating and/or preventing hepatocellular carcinoma (HCC) characterized by hepatitis B virus (HBV) infection in a patient, comprising administering an effective amount of 7-(6-(2-hydroxypropan-2-yl)pyridin-3-yl)-1-((trans)-4-methoxycyclohexyl)-3,4-dihydropyrazino[2,3-b]pyrazin-2(1H)-one or a pharmaceutically acceptable salt or tautomer thereof (collectively referred to herein as "Compound 1") to the patient having HCC characterized by HBV infection.



21: 2019/08574. 22: 2019/12/23. 43: 2021/10/13
51: A61K; C12N; A61P

71: THOERIS GMBH

72: NICOLSON, Tamara

33: GB 31: 1708288.4 32: 2017-05-24

33: GB 31: 1800867.2 32: 2018-01-19

54: USE OF GLUTAMINE SYNTHETASE FOR TREATING HYPERAMMONEMIA

00: -

The present invention relates to the use of glutamine synthetase as a protein therapy (such as enzyme replacement protein therapy) for the treatment of hyperammonemia. In particular the invention relates to the systemic administration of glutamine synthetase. The glutamine synthetase may be provided in conjugated or fusion form, to increase its half-life in the circulation. Also provided is a pharmaceutical composition comprising glutamine

synthetase. The invention also relates to the uses, methods and compositions involving a combination of the glutamine synthetase protein and an ammonia lowering agent, such as a nitrogen scavenger.

21: 2020/00053. 22: 2020/01/03. 43: 2021/09/02

51: A61K; A61P

71: Treeway TW001 B.V.

72: VAN DER GEEST, Ronald, MOOLENAAR, Sytske Hyke

33: EP(NL) 31: 17180087.3 32: 2017-07-06

54: USE OF EDARAVONE IN ORAL TREATMENT OF OXIDATIVE-STRESS MEDIATED NEURODEGENERATIVE DISORDERS

00: -

The present invention relates to the use of a liquid aqueous solution of edaravone in the treatment of an oxidative stress-mediated neurodegenerative disorder in a human patient, said treatment comprising at least once daily oral administration of the liquid edaravone solution to the human patient, to provide a daily dose of 40-120 mg edaravone during an uninterrupted period of at least 10 days. Examples of oxidative stress-mediated neurodegenerative disorders that can be treated in this way include amyotrophic lateral sclerosis (ALS), multiple sclerosis (MS), cerebral amyloid angiopathy (CAA), Alzheimer's disease and Parkinson's disease.

21: 2020/00108. 22: 2020/01/08. 43: 2021/09/02

51: C07D A61K A61P

71: BEIJING ADAMADLE BIOTECHNOLOGY LIMITED LIABILITY COMPANY

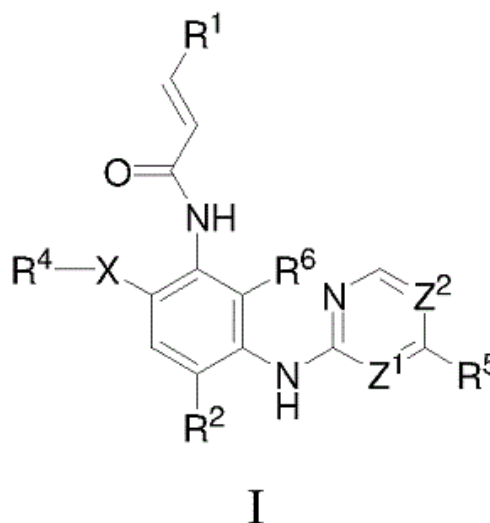
72: ZHANG, Peilong, SHI, Hepeng, LAN, Wenli, SONG, Zhitao

33: CN 31: 201710445095.1 32: 2017-06-13

54: AMINOPYRIMIDINE COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention relates to an aminopyrimidine compound, a preparation method therefor and the use thereof. The aminopyrimidine compound has the structure as shown in formula I: the compound is an inhibitor of an epidermal growth factor receptor (EGFR) kinase. The present invention also relates to a pharmaceutical composition containing the compounds, a method for preparing same and the use of same in the preparation of anti-tumour drugs.



21: 2020/00166. 22: 2020/01/10. 43: 2021/09/03

51: G01D; G06Q; H04W

71: NEURA TECHNOLOGIES (PTY) LTD.

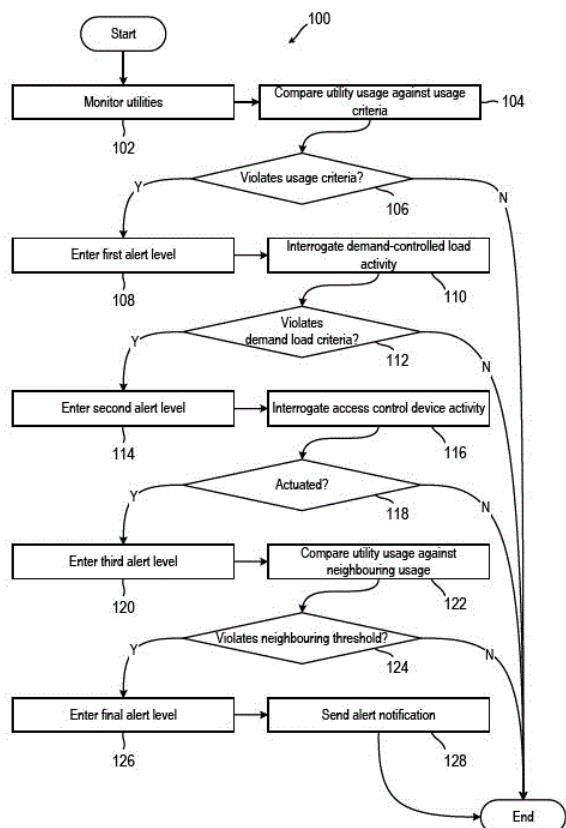
72: NEILSON, Peter John, DU TOIT, Ignatius Johannes

33: ZA 31: 2018/07318 32: 2018-11-01

54: A METHOD OF MONITORING USE OF UTILITIES AND RAISING AN ALERT, AND A UTILITY MONITORING DEVICE

00: -

A method of monitoring use of utilities and raising an alert includes monitoring, by a utility monitoring device, usage of a plurality of utilities for a usage period. The method compares the usage of the plurality of utilities against normal usage criteria to enter a first alert level and then interrogates at least one demand-controlled load to enter a second alert level. The method includes interrogating activity of at least one access control device to enter a third alert level and then comparing the usage of the plurality of utilities against a neighbouring usage reference to enter a final alert level. The method includes sending, in response to entering the final alert level, an alert notification to a designated recipient.



21: 2020/00257. 22: 2020/01/15. 43: 2021/09/03
 51: B02C
 71: OSBORN ENGINEERED PRODUCTS SA (PTY) LTD

72: JONES, Mathew Darryl

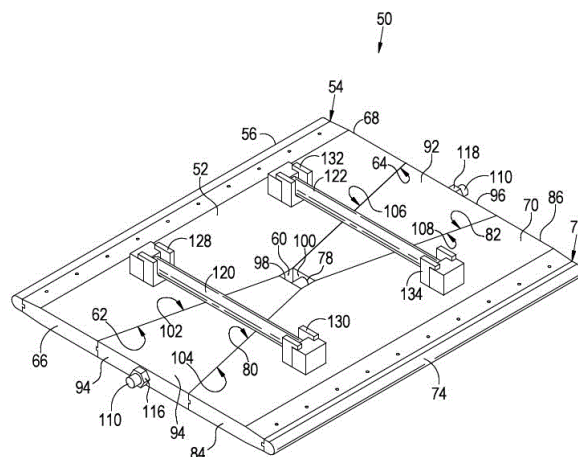
33: ZA 31: 2019/00163 32: 2019-01-10

54: COLLAPSIBLE TOGGLE PLATE FOR A JAW CRUSHER

00: -

A collapsible toggle plate for a jaw crusher is provided, the collapsible toggle plate comprising a first side plate, the first side plate defining an outer contact edge to engage a complementary formation in the jaw crusher, the first side plate having at least one tapering inner edge; and a second side plate, the second side plate defining an outer contact edge to engage a complementary formation in the jaw crusher, the second side plate having at least one tapering inner edge opposite the at least one tapering inner edge of the first side plate, the first and second side plates being spaced apart from each other. The collapsible toggle plate further includes at least one tapering end wedge arranged to extend between the opposite tapering inner edges

of the first and second plates, the at least one tapering end wedge being movable between an inserted, engaged position and an extended, released position.



21: 2020/00274. 22: 2020/01/15. 43: 2021/08/26
 51: A61K; A61P

71: Professional Dietetics International S.r.l.

72: GIORGETTI, Paolo Luca Maria

33: IT 31: 102017000087376 32: 2017-07-28

54: COMPOSITIONS COMPRISING AMINO ACIDS FOR USE IN THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION-RELATED DISEASES

00: -

Composition for promoting mitochondrial biogenesis and improving mitochondrial function in a subject, the composition comprising an active agent, said active agent containing the amino acids leucine, isoleucine, valine, threonine, lysine and citric acid, succinic acid, malic acid.

21: 2020/00324. 22: 2020/01/17. 43: 2021/09/02
 51: A47K; E04B; E04H

71: AFRILLO (PROPRIETARY) LIMITED

72: FOURIE, Lukas, Pieter

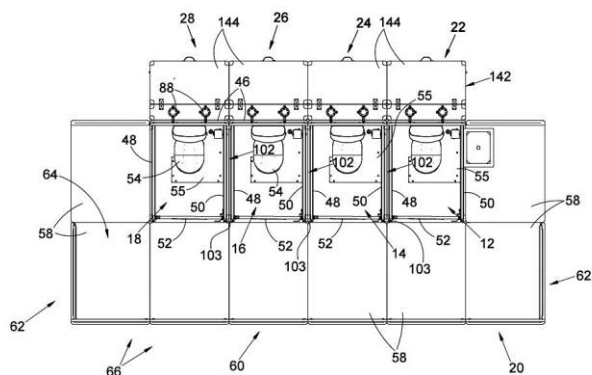
33: ZA 31: 2018/07756 32: 2019-01-19

54: A toilet installation

00: -

The invention is in respect of a toilet installation 10 which includes a plurality of cubicles 12, 14, 16, 18 arranged side-by-side. Each cubicle forms part of a pit latrine and is formed from a plurality of precast cementitious panels. A privacy wall 20 is provided and is formed from a plurality of prefabricated

cementitious panels. Indicia such as educational information, are provided on some of the panels. Bracing elements 86, 87 are provided in engagement with upper edges of uppermost panels in order to secure the panels in place.



21: 2020/00333. 22: 2020/01/17. 43: 2021/09/03

51: B05B; C03C; D04H

71: Saint-Gobain Isover

72: D'HERIN BYTNER, Frédéric

33: FR 31: 1770812 32: 2017-07-31

54: INSTALLATION FOR THE PRODUCTION OF MINERAL WOOL AND DEVICE FOR SPRAYING A SIZING COMPOSITION, FORMING PART OF SUCH AN INSTALLATION

00: -

An annular device (20) for spraying a sizing composition onto glass fibres comprises at least one circuit for distributing the sizing composition and a plurality of spray nozzle (22) in fluid communication with the distribution circuit and distributed along the periphery of the annular spray device in order to spray the sizing composition onto the glass fibres that pass through the annular spray device defined by an axis of revolution (X-X), each spray nozzle (22) being oriented towards the interior of the annular spray device with an angle of inclination (a) determined relative to the plane of revolution (P) of the annular spray device. At least two spray nozzles (22) arranged consecutively on the periphery of the annular spray device are oriented with different angles of inclination relative to the plane of revolution (P) of the annular spray device.

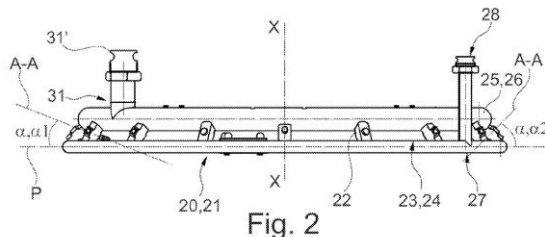


Fig. 2

21: 2020/00337. 22: 2020/01/17. 43: 2021/08/26

51: C03C; D04H

71: Saint-Gobain Isover

72: AZEVEDO, Joël, KIEFER, Lionel

33: FR 31: 1757284 32: 2017-07-31

54: METHOD FOR THE PRODUCTION OF MINERAL WOOL

00: -

The present invention relates to a method for the production of insulating products based on mineral wool, comprising: the application of a sizing composition to mineral wool fibres, said sizing composition containing (a) at least one carbohydrate selected from reducing sugars, non-reducing sugars, hydrogenated sugars and a mixture of same, and (b) at least one carbohydrate-crosslinking agent; the evaporation of the solvent phase of the sizing composition; and the thermal hardening of the non-volatile fraction of the composition. The method is characterised in that, added to the sizing composition, preferably immediately prior to its application to the mineral wool fibres, is a polysaccharide-free oil-in-water emulsion comprising water, a mineral oil and between 0.5 and 5.0 parts by weight per 100 parts by weight of the mineral oil of at least one surfactant, preferably non-ionic, the average diameter of the oil droplets of the oil-in-water emulsion, determined by laser diffraction particle size analysis, being greater than 5 µm.

21: 2020/00361. 22: 2020/01/20. 43: 2021/09/03

51: G06K; G06Q

71: MASHITA, Tebogo Edwin

72: MASHITA, Tebogo Edwin

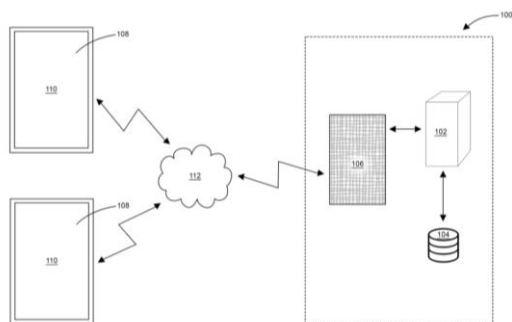
33: ZA 31: 2018/07014 32: 2018-10-22

54: VERIFICATION OF ACCREDITATION

00: -

The invention provides a method of verifying an accreditation status of an object. The method includes the steps of receiving on a verification system an identifier of an object for which the

accreditation status is to be verified, and comparing the identifier with identifiers in a verification database - the identifiers in the verification database being associated with accredited objects. If the identifier matches an identifier in the verification database, the method includes displaying a positive verification. If the identifier does not match any identifier in the verification database, the method includes displaying a negative verification which provides a report facility whereby a user can report an unaccredited object. The invention extends to an accreditation verification system, which includes a server hosting a verification database and a server interface operable to communicate with a plurality of mobile devices for receiving an identifier from the plurality of mobile devices.



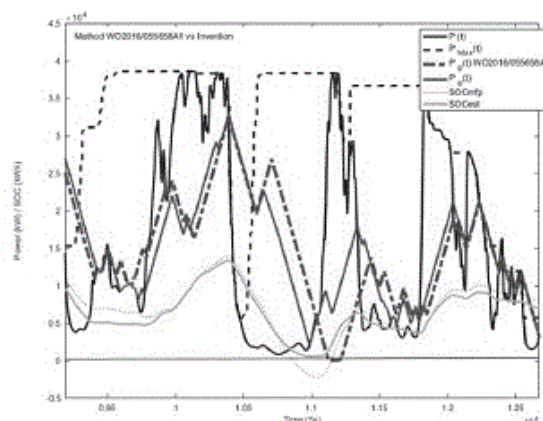
21: 2020/00385. 22: 2020/01/20. 43: 2021/09/28
51: H02J
71: ACCIONA ENERGÍA, S. A.
72: GUEL BENZU MICHELENA, EUGENIO, PADROS RAZQUIN, ASUN, ROJO OCHOA, RAQUEL, MARROYO PALOMO, LUIS, MARCOS ALVAREZ, JAVIER, DE LA PARRA LAITA, IÑIGO, GARCIA SOLANO, MIGUEL

54: METHOD FOR CONTROLLING POWER RAMPS WITH PREDICTION IN INTERMITTENT POWER GENERATION PLANTS

00: -

The present invention relates to a method for controlling power ramps with prediction in intermittent power generation plants, such as, for example, a photovoltaic solar plant, which minimizes the storage capacity required for compliance with the maximum ramp requirements for power fluctuation as well as the cycling of said storage systems, thus extending its lifespan and also reducing associated energy losses, thus reducing investment costs in the

plant, such that, to reach the same maximum fluctuation ramp, a minor use is made of the energy storage system.



21: 2020/00442. 22: 2020/01/22. 43: 2021/09/06
51: A61K; A61P; C07D

71: Eli Lilly and Company

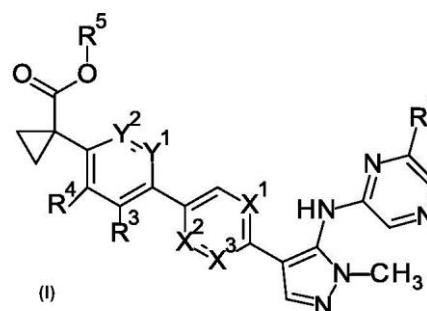
72: MA, Tianwei, WU, Liang, ZHANG, Xuejun

33: PCT/CN 31: 2017/100354 32: 2017-09-04

54: LY SOPHOSP HATIDIC ACID RECEPTOR 1 (LPAR1) INHIBITOR COMPOUNDS

00: -

The present invention provides a compound of formula (I) or a pharmaceutical salt thereof, use, methods for its preparation are described.



21: 2020/00643. 22: 2020/01/30. 43: 2021/09/02
51: C03B

71: Saint-Gobain Glass France

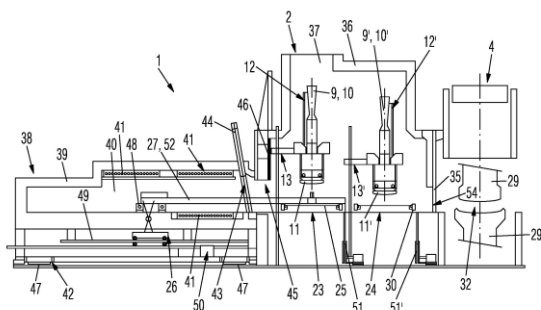
72: PALMANTIER, Arthur, BRIS, Jean Jacques, PENNERS, Jack, ZEICHNER, Achim, KAHLEN, Werner

33: EP(FR) 31: 17183928.5 32: 2017-07-31

54: METHOD AND DEVICE FOR BENDING PANES

00: -

The invention relates to a method for bending panes, comprising the following steps: providing a pane heated to a bending temperature; securing the pane to a contact surface of the first bending mould; positioning a press frame for the pane in a first press frame position assigned to the first bending mould; transporting the pane on the press frame to a second press frame position assigned to the second bending mould; securing the pane on a contact surface of the second bending mould, wherein the press frame is attached to a carrier introduced into the bending zone by a delivery module, and wherein the press frame is laterally moved relative to the first and second bending mould by moving the carrier between the first press frame position and the second press frame position. The invention also relates to a device for bending panes, comprising a delivery module, preferably which can be moved relative to the bending zone, and which is delivered to the bending zone such that a carrier with a press frame for a pane can be introduced into the bending zone.



21: 2020/00665. 22: 2020/01/31. 43: 2021/09/28
51: F16K

71: Von Behring-Straße 15

72: FUOC, Alain

33: DE 31: 10 2017 117 330.7 32: 2017-07-31

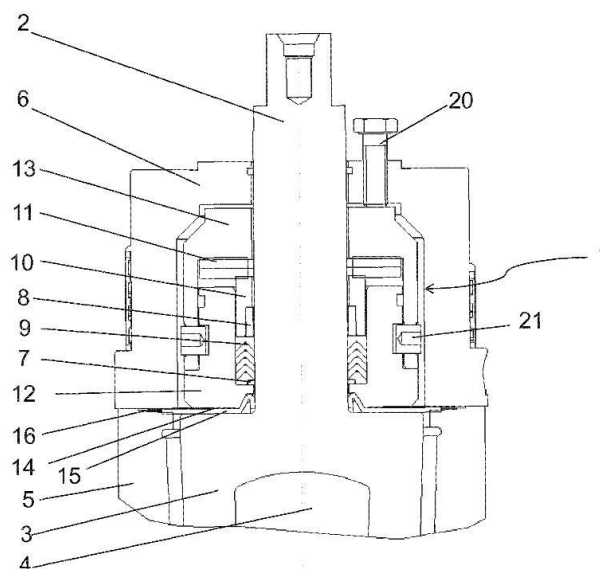
33: DE 31: 10 2017 120 389.3 32: 2017-09-05

54: SHUT-OFF DEVICE COMPRISING A SEALING DEVICE

00: -

A valve, comprising a housing (5) and a rotary body (3) arranged notably therein with a through opening (4) for a fluid, wherein a flow path is shut off or is at

least partially opened in accordance with the rotational angle position of the rotary body (3) about an axis of rotation, wherein the rotary body (3) is connected to a spindle (2) by means of which the rotary body (3) is rotatable, wherein the housing (5) is provided with a covering (6), and wherein the spindle (2) reaches through the covering (6), is, with regard to the problem of specifying a valve which permanently exhibits high operational suitability even in the event of undesirable applications of force, characterized in that the spindle (2) is dynamically sealed by a sealing device (1, 1') which follows movements of the spindle (2) relative to the housing (5) and/or to the covering (6).



21: 2020/00747. 22: 2020/02/05. 43: 2021/09/13

51: C12P C01B C12N

71: CJ CHEILJEDANG CORPORATION

72: KIM, Jun-Woo, KIM, Jaeik, KIM, Il Chul, LEE, In Sung, KANG, Seung Hoon, KIM, Min Sup, LEE, Kang Hoon, LEE, Seung-je, LEE, Chungkwon, JUNG, Jun Young

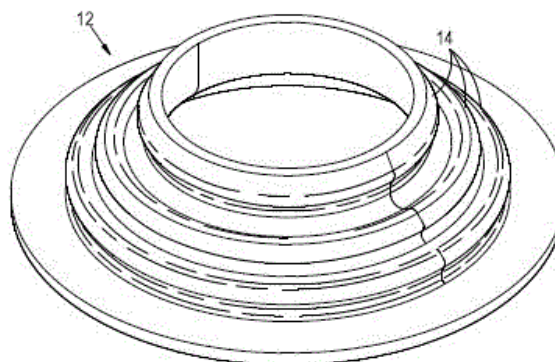
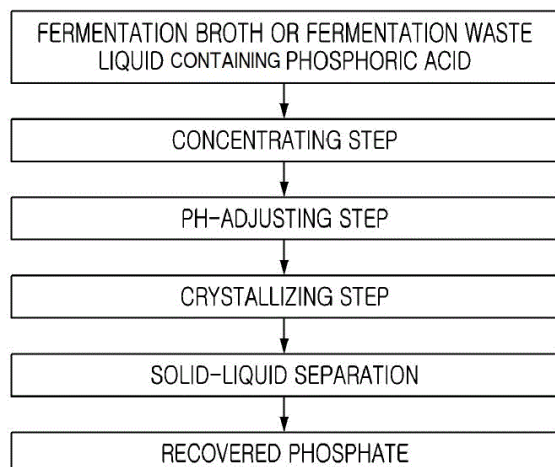
33: KR 31: 10-2017-0089121 32: 2017-07-13

54: METHOD FOR RECOVERING PHOSPHORIC ACID FROM FERMENTATION LIQUOR OR FERMENTATION WASTE LIQUOR, AND REUSING SAME

00: -

The present application relates to a method for recovering phosphoric acid from fermentation liquor

or a waste liquor thereof, and a process for reusing the recovered phosphoric acid in fermentation.



21: 2020/00781. 22: 2020/02/06. 43: 2021/09/03
 51: B65D
 71: EBB AFRICA (PTY) LTD
 72: TEIXEIRA RODRIGUES, Sérgio Bruno Bernardo
 33: ZA 31: 2018/07453 32: 2018-11-07
54: VALVES

00: -
 A valve assembly includes a valve seat comprising an annular valve seat body. It also includes a valve mouthpiece comprising an annular valve mouthpiece body. The valve seat body and the valve mouthpiece body are configured such that they are securely co-axially interlockable, in use to receive therebetween at least part of the surrounds of an opening provided therefor in the body of a container, thus to locate the valve mouthpiece on the container co-axially with the opening and provide an outlet from the container therethrough.

21: 2020/00800. 22: 2020/02/07. 43: 2021/09/02
 51: H02K; H02P

71: The Trustees for the time being of the KMN FULFILMENT TRUST

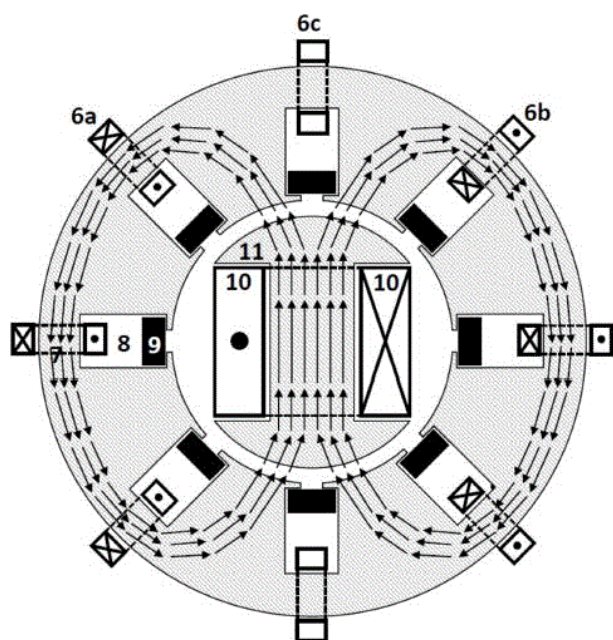
72: MAKGERU, Kabu Walter

33: ZA 31: 2018/08263 32: 2018-12-07

54: AN ELECTRIC GENERATOR WITH SECONDARY COILS

00: -

An electric generator includes a rotor with a magnet arrangement configured to provide a primary magnetic field a stator with armature coils, the rotor being rotatable around the stator such that the primary magnetic field induces a current in the armature coils. The electric generator further includes secondary coils provided around or outside the stator, the secondary coils configured to generate a secondary magnetic field which interacts with, and increases or enhances, the primary magnetic field a switching arrangement configured to switch at least one of an intensity or a polarity of the magnetic field of the secondary coils based on a position of the rotor relative to the secondary coils.



21: 2020/00858. 22: 2020/02/10. 43: 2021/08/24

51: C22B; G01N

71: GEKKO SYSTEMS PTY LTD

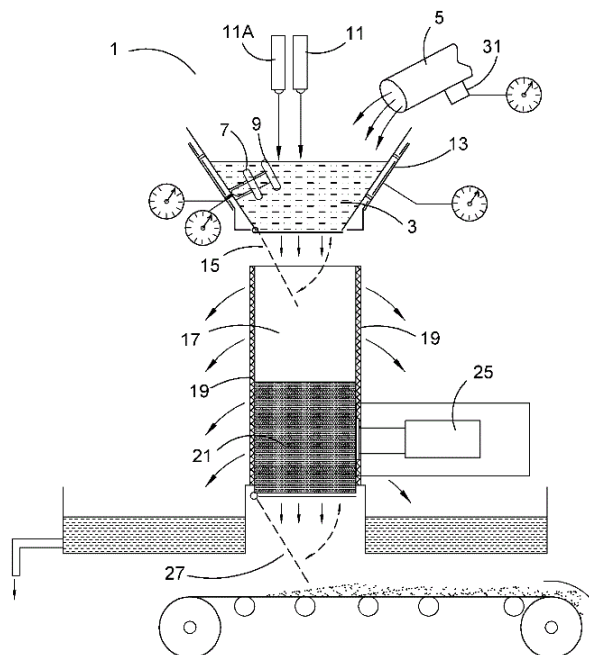
72: LEWIS-GRAY, Alexander Hamilton

33: AU 31: 2017903061 32: 2017-08-02

54: A SENSOR SYSTEM

00: -

Contemplated is a sensor system for use with a measuring device. The measuring device being of the type adapted to measure the volume of a desired solid component in a sample volume of a solid-liquid slurry obtained from either a carbon-in-pulp or carbon- in-leach process. The solid-liquid slurry comprises granular carbon particles, ore pulp, and water. The carbon-in-pulp or carbon-in- leach process includes at least one retention tank. The measurement device including: a receptacle for receiving the sample volume of the slurry; a screen provided in the receptacle for separating out the desired solid component from a remainder of the slurry. The solid component is retained in the receptacle to form a bed therein and the remainder is exhausted from the receptacle. The sensor system measures in either the retained solid component, or the exhausted remainder, or both one of: pH; dissolved oxygen; pulp density or carbon content.



21: 2020/00915. 22: 2020/02/12. 43: 2021/08/24

51: C07C

71: LINDE AKTIENGESELLSCHAFT

72: HÖFEL, Torben, TÖGEL, Christine,

ZELLHUBER, Mathieu, LAIB, Heinrich,

KOTREL, Stefan, DIETERLE, Martin,

PATCAS, Florina Corina, GIESA, Sonja

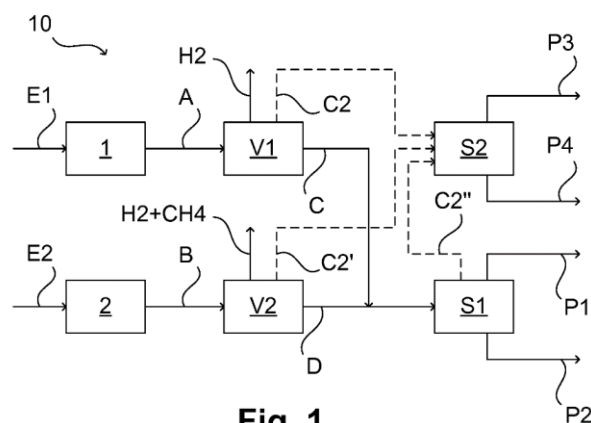
33: EP 31: 17180974.2 32: 2017-07-12

54: PROCESS AND FACILITY FOR PRODUCING PROPYLENE BY COMBINING PROPANE HYDROGENATION AND A STEAM CRACKING METHOD WITH PRE-SEPARATION STEPS IN THE TWO METHODS FOR PARTIALLY REMOVING HYDROGEN AND METHANE

00: -

The invention relates to a process (10) for producing propylene, comprising: carrying out a method (1) for propane dehydrogenation in order to obtain a first component mixture (A); carrying out a steam cracking method (2) in order to obtain a second component mixture (B); forming a first separation product (P1) at least predominantly containing propylene, by means of at least one first separation step (S1); forming a second separation product (P2) at least predominantly containing propane, by means of the at least one first separation step (S1); forming a third separation product (P3) at least predominantly containing ethylene, by means of at least one second separation step (S2); and forming a fourth separation product (P4) at least

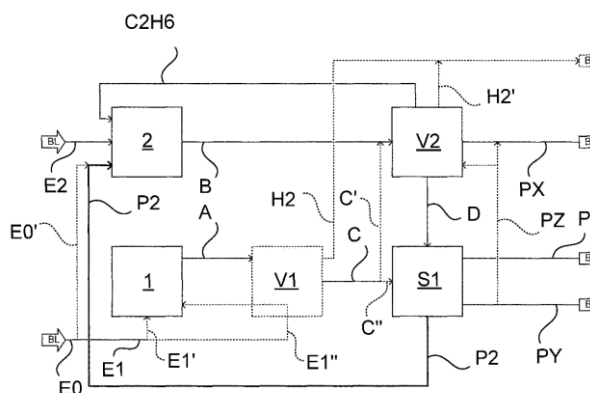
predominantly containing ethane, by means of the at least one second separation step (S1). According to the invention, at least part of the first component mixture (A) is subjected to at least one first pre-separation step (V1) in order to obtain a third component mixture (C), which includes a pressure increase and at least partial removal of hydrogen; at least part of the second component mixture (B) is subjected to at least one second pre-separation step (V2) in order to obtain a fourth component mixture (D), which includes a pressure increase, at least partial removal of hydrogen, and at least partial removal of methane; and at least part of the third component mixture (C), along with at least part of the fourth component mixture (D), is subjected to the at least one first separation step (S1). The invention further relates to a facility and a method for retrofitting a steam cracking facility.

**Fig. 1**

21: 2020/00916. 22: 2020/02/12. 43: 2021/08/24
51: C07C
71: LINDE AKTIENGESELLSCHAFT
72: HÖFEL, Torben, TÖGEL, Christine,
ZELLHUBER, Mathieu, LAIB, Heinrich, KOTREL,
Stefan, DIETERLE, Martin, PATCAS, Florina Corina,
GIESA, Sonja
33: EP 31: 17180984.1 32: 2017-07-12
**54: PROCESS AND FACILITY FOR PRODUCING
PROPYLENE BY COMBINING PROPANE
DEHYDROGENATION AND A STEAM CRACKING
METHOD WITH PROPANE RECIRCULATION
INTO THE STEAM CRACKING METHOD**
00: -

The invention relates to a process (10) for producing propylene, comprising: carrying out a method (1) for

propane dehydrogenation in order to obtain a first component mixture (A); carrying out another propylene production method (2) in order to obtain a second component mixture (B); and forming a separation product (P2) predominantly containing propane, by means of at least one propane separation step (S1), at least part of the first component mixture (A) being supplied to the at least one propane separation step (S1). According to the invention, the separation product (P2) predominantly containing propane is to be at least partially recirculated into the other propylene production method (2). The invention further relates to a corresponding facility and to a method for retrofitting a steam cracking facility (30).



21: 2020/00924. 22: 2020/02/13. 43: 2021/09/10

51: H02K

71: STEVEN ALAN WOLFOWITZ

72: WOLFOWITZ, Steven Alan

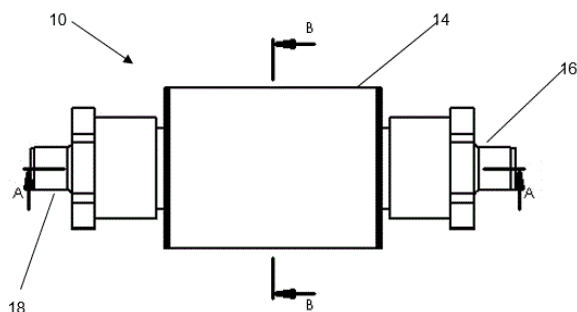
33: ZA 31: 2019/01163 32: 2019-02-25

**54: FLUID PIPELINE POTENTIAL ENERGY
RELEASE ELECTRICITY GENERATOR**

00: -

A system for generating electricity from a fluid flowing in a pipeline is provided. The system comprises a rotor and a stator. The rotor is free-floating, located co-axially within a portion of the pipeline, and operable to rotate when fluid within the pipeline acts on it. The rotor comprises one or more vanes extending from an axle and including a first set of permanent magnets located on the vanes. The stator comprises at least one electromagnetic coil with a magnetic core mounted in a fixed position on an exterior of the pipeline, adjacent the rotor. Rotation of the rotor and permanent magnets

generates a magnetic flux which interacts with the electromagnetic coil on the stator to generate an electric current in the coil. The rotor is maintained in position within the pipeline by one or more magnetic repulsion positioning systems.



21: 2020/00956. 22: 2020/02/14. 43: 2021/09/02
51: E21F

71: ROUX, Theunis, VAN ZYL, Jan, Adriaan

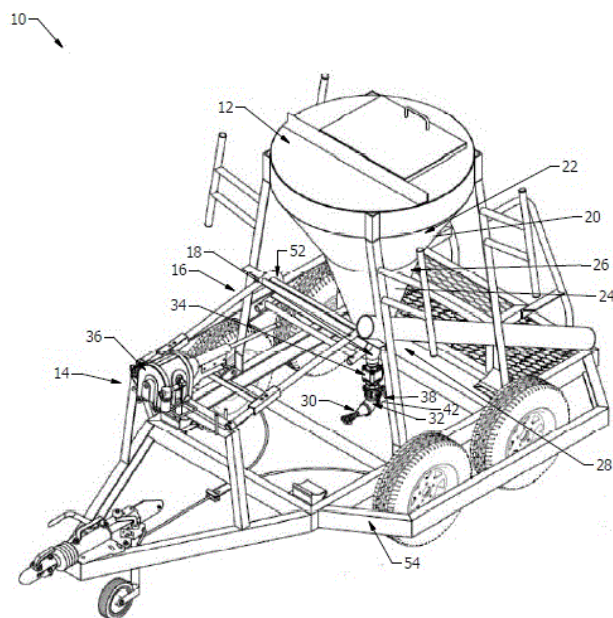
72: ROUX, Theunis, VAN ZYL, Jan, Adriaan

33: ZA 31: 2018/07642 32: 2018-11-14

54: A DISPENSER ASSEMBLY

00: -

The dispenser assembly 10 includes a reservoir 12 for receiving a substance (not shown) capable of reducing the severity of an explosion, a displacement device 14 for displacing the substance out of the reservoir 12 to be dispensed into a zone (not shown) having combustible material (not shown) contained therein and a connecting assembly 16 for interconnecting a drive means (not shown) and the displacement device 14 for allowing the displacement device 14 to be driven thereby.



21: 2020/00971. 22: 2020/02/14. 43: 2021/08/24
51: C22C

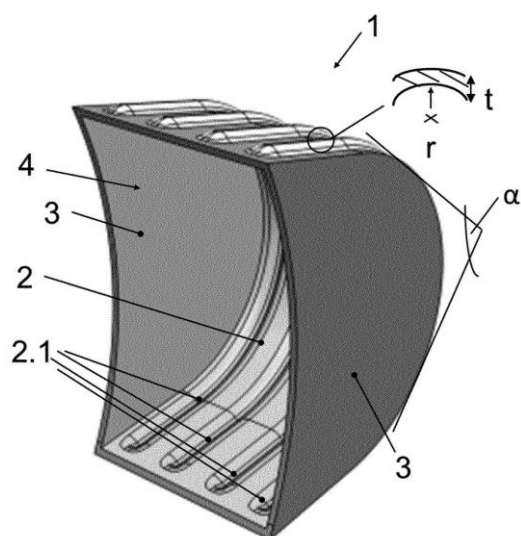
71: ThyssenKrupp Steel Europe AG, thyssenkrupp AG

72: KOLBE, Nina, KUHN, Patrick, LATUSKE, Clemens, THIESSEN, Richard Georg

54: USE OF A Q&P STEEL FOR PRODUCING A SHAPED COMPONENT FOR HIGH-WEAR APPLICATIONS

00: -

The invention relates to a use of a Q&P steel for producing a shaped component (2) for high-wear applications, wherein the Q&P steel has a hardness of at least 230 HB, in particular at least 300 HB, preferably at least 370 HB, and a bending angle α of at least 60° , in particular at least 75° , preferably at least 85° , determined according to VDA238-100, and/or a bending ratio of $r/t < 2.5$, in particular $r/t < 2.0$, preferably $r/t < 1.5$, wherein t corresponds to the material thickness of the steel and r corresponds to the (inner) bending radius of the steel.



21: 2020/00987. 22: 2020/02/17. 43: 2021/09/08
51: C02F

71: ELS, Jacobus Frederik

72: ELS, Jacobus Frederik

33: ZA 31: 2017/04893 32: 2017-07-19

54: FLUID PURIFICATION

00: -

The invention provides a sterilizer, which includes a gas discharge lamp arranged to produce radiation in the ultra violet frequency range of between 100nm and 280nm, a conductive terminal spaced from the gas discharge lamp, and a translucent fluid conduit disposed at least partially between the gas discharge lamp and the conductive terminal, the conduit permitting a fluid to flow between the gas discharge lamp and the conductive terminal. The sterilizer further includes a high voltage source which has a high voltage pulsed output and a high voltage direct current output. Two terminals of the gas discharge lamp are connected to the high voltage pulsed output to create a pulsed signal at the terminals of the gas discharge lamp. The conductive terminal is connected to the high voltage direct current output of the high voltage source such that a high voltage electrical field is created over the isolated fluid conduit.

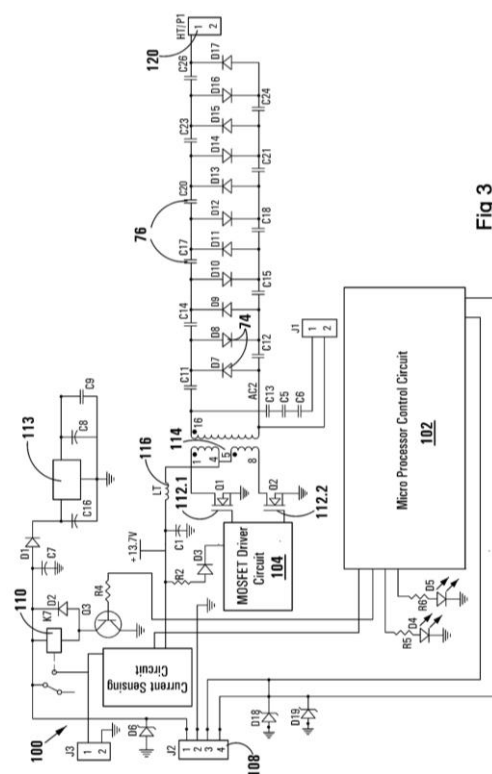


Fig 3

21: 2020/01052. 22: 2020/02/19. 43: 2021/09/06
51: H01R

71: Standard Car Truck Company

72: ANDERSON, John, D.

33: US 31: 15/677,751 32: 2017-08-15

54: ELECTRICAL CONNECTOR

00: -

An improved electrical connector including a latch strike plate, a body having a base, a receiver extending from the base and configured to receive the latch strike plate, an inserter extending from the base, a first electrical connection assembly extending through the body, a second electrical connection assembly extending through the body, an electrical linkage cable assembly connected to the base, the first electrical connection assembly, and the second electrical connection assembly, a latching mechanism partially positioned in the base and the inserter and partially extending from the base and the inserter, and a securing assembly extending in and from the base.



A computer-implemented method for generating a quotation is described. The method comprises receiving data inputs from a user; generating a structured text statement from the data inputs; generating a request containing the structure text statement; relaying the request to at least one platform which have an associated rule set; apply at least a subset of the ruleset of the respective platform to the structured text statement to determine probable outcomes; and generating a graphical representation on a visual display, indicating the likelihood of an outcome.



21: 2020/01131. 22: 2020/02/24. 43: 2021/08/24
51: G06F; G06Q

00: -

The present invention discloses cognitive loan automation system and method which comprises various components like fetching means (12), host/central computing unit (13), communication network module (14), storage database (15), and platform/cloud (16). Fetching means (12) collects user data which is stored in storage database (15) via host/central computing unit (13). The data lake is created by processing user data after the person applies for a loan, and synergic connotation score is generated after sending loan application for auto filing, in order to accomplish qualitative matchmaking of applicant's profile. Bank approaches person seeking a loan or vice versa after obtaining the best match. Accordingly, the digital contract has been signed for loan disbursement, and further loan has been monitored and tracked by loan automation system of present invention. Early warnings are sent if the applicant fails to repay loan amount. The present invention is completely based on the digitalized approach using Decentralized Autonomous Organization (DAO) and Blockchain Technology (BCT).

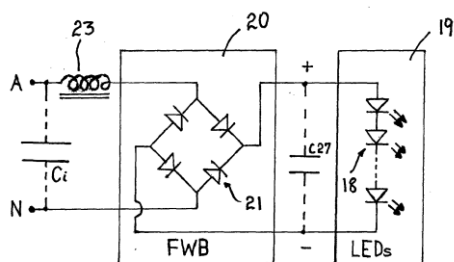


21: 2020/01135. 22: 2020/02/24. 43: 2021/10/27
51: F21V; H05B
71: TRESTOTO PTY LIMITED
72: MAJEWSKI, Donat, MAJEWSKI, Shane
33: AU 31: 2017903526 32: 2017-09-01
33: AU 31: 2017904960 32: 2017-12-11

54: A LIGHTING CONTROL CIRCUIT, LIGHTING INSTALLATION AND METHOD

00: -

The present invention discloses a lighting installation having an LED lamp (19), normally consisting of a series string of individual LED's (18), which is supplied by a rectifier (20, 200). A control circuit (23, 23 & C1) is interposed between the rectifier and the AC supply which powers the rectifier. Various circuits for filtering, power factor control, multi-phase operation and dimming, for example by phase switching, are disclosed. In particular, the control carried out by the control circuit takes place on the AC side of the rectifier. Also disclosed are the control circuit per se and a method of converting a High Intensity Discharge (HID) lamp installation into a Light Emitting Diode (LED) installation. The control circuit can take the form of an inductor, an inductor and series capacitor, a shunt inductor, a leakage reactance transformer, a constant current transformer, an autotransformer, an isolation transformer or a ferro-resonant transformer.



21: 2020/01164. 22: 2020/02/25. 43: 2021/09/06
51: B22F; C04B; C23C

71: SMITH INTERNATIONAL, INC.

72: HORMAN, Scott L., BAO, Yahua

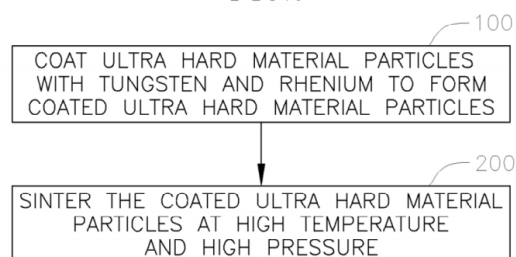
33: US 31: 61/530,311 32: 2011-09-01

33: US 31: 13/599,329 32: 2012-08-30

54: HIGH CONTENT PCBN COMPACT INCLUDING W-RE BINDER

00: -

The present invention relates to tungsten-rhenium coated compounds, materials formed from tungsten-rhenium coated compounds, and to methods of forming the same. In embodiments, tungsten and rhenium are coated on ultra hard material particles to form coated ultra hard material particles, and the coated ultra hard material particles are sintered at high temperature and high pressure.

FIG.1

21: 2020/01213. 22: 2020/02/26. 43: 2021/09/06

51: A47J; B65D; G06K

71: Société des Produits Nestlé S.A.

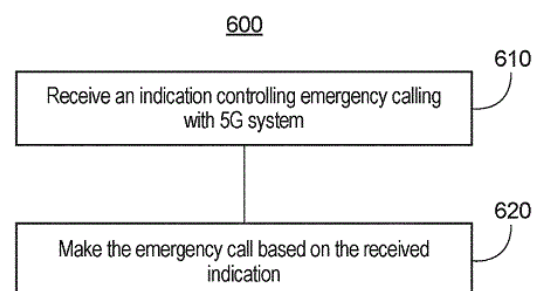
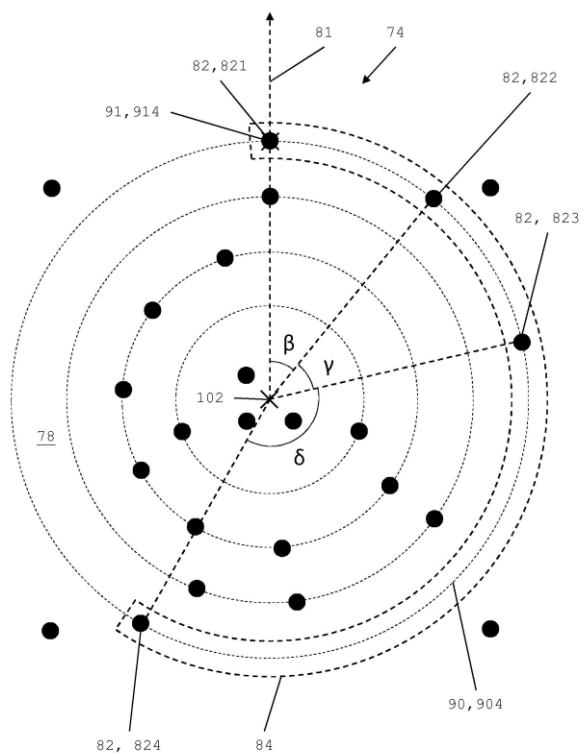
72: NOTH, André, JARISCH, Christian, TALON, Christian

33: EP(CH) 31: 17185291.6 32: 2017-08-08

54: CONTAINER WITH A CODE ENCODING A SEQUENCE OF FOODSTUFF OR BEVERAGE PREPARATION OPERATIONS

00: -

Container for a beverage preparation machine or foodstuff preparation machine, the container for containing beverage or foodstuff material and comprising a code encoding preparation information, in particular preparation information for a beverage preparation machine or foodstuff preparation machine to prepare a beverage or a foodstuff with beverage or foodstuff material contained in the container, the code comprising a reference portion and a data portion. The reference portion comprises at least one reference configuration defining a virtual reference line. The data portion comprises a virtual encoding line intersecting the virtual reference line at a virtual intersection point and a sequence of data units comprising at least two data units aligned at a distance from each other along the virtual encoding line for encoding a sequence of operations of the preparation information. Each data unit of the sequence of data units encodes an operation of the sequence of operations, wherein a relative position of each data unit in the sequence of data units encodes a nature of the encoded operation and wherein a distance between the data unit and the virtual intersection point and/or a distance between the data unit and another data unit of the sequence of data units or of another sequence of data units encodes a value of a condition for the performance of the encoded operation.



21: 2020/01375. 22: 2020/03/04. 43: 2021/09/28
 51: H04L; H04W
 71: NOKIA SOLUTIONS AND NETWORKS OY
 72: WONG, Curt, POIKSELKÄ, Miikka, THIEBAUT, Laurent, CHANDRAMOULI, Devaki, BALASUBRAMANIAM, Sankaran
 33: IN 31: 201741028339 32: 2017-08-09
54: EMERGENCY VOICE SERVICE SUPPORT INDICATIONS

00: -
 Methods and apparatus, including computer program products, are provided for controlling emergency calling. In some example embodiments, there may be provided a method that includes receiving, at a user equipment, an indication for controlling whether the user equipment makes an emergency call over a fifth generation radio access technology or over another radio access technology as a fallback; and making, by the user equipment, the emergency call based on the received indication. Related systems, methods, and articles of manufacture are also described.

21: 2020/01385. 22: 2020/03/04. 43: 2021/10/26
 51: F25B; F25D
 71: COOLFINITY IP B.V.

72: TEN HOUTEN, Maarten Roland, SCHOLS, Berend Johannes Wessel

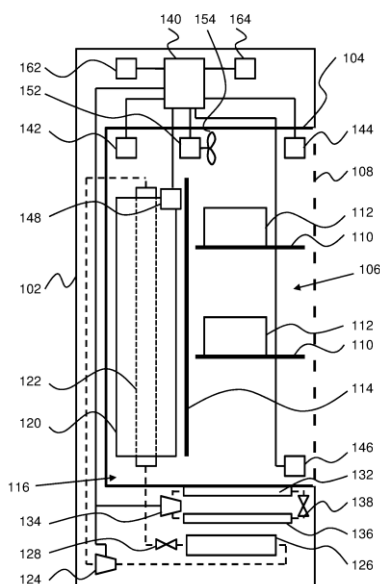
33: NL 31: 2019470 32: 2017-08-31

54: COOLING CABINET AND METHOD FOR OPERATING THE COOLING CABINET

00: -

A method is provided for operating a cooling cabinet arranged for cooling matter in the cabinet. The cabinet for use with this method comprises a storage space for holding the matter, a compressive cooling system comprising at least a first compressor (124), a primary evaporator (122) that is for at least a substantial part fully surrounded by a phase change material provided in a container (120), an air displacement module 154) and a secondary evaporator (132). The method comprises operating the primary evaporator via the compressor until the cooling cabinet reaches a pre-determined state and operating the air displacement module for providing a forced air flow to flow along an outer surface of the container and subsequently through the storage space. Upon the cooling cabinet reaching the pre-determined state, the secondary evaporator is operated for controlling the state of the cooling cabinet.

100



21: 2020/01524. 22: 2020/03/11. 43: 2021/09/14

51: E06C

71: HOUGH, Joachim, Marthinus

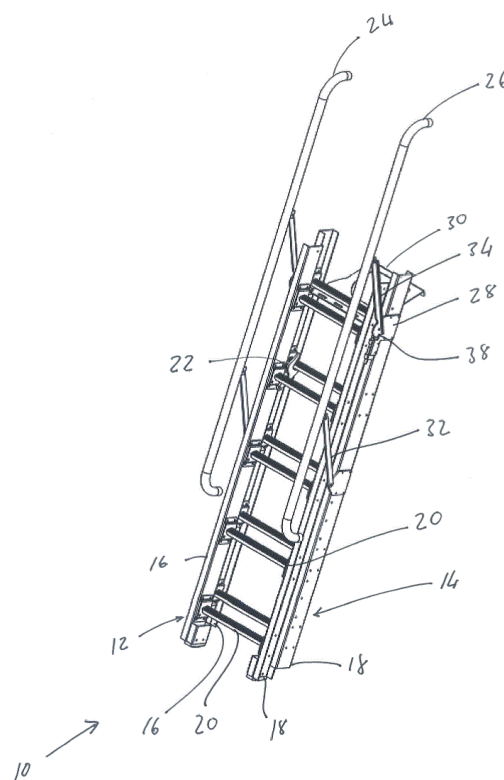
72: HOUGH, Joachim, Marthinus

33: ZA 31: 2018/07423 32: 2019-03-06

54: A LADDER

00: -

A ladder which includes a plurality of slidably interconnected ladder segments, each of which including, a pair of siderails, and, a plurality of rungs arranged in an evenly spaced apart relationship spanning and interconnecting the pair of siderails, the plurality of ladder segments further being configured to be longitudinally displaceable relative one another so as to define a desired length aspect of the ladder, a ladder segment securing mechanism for releasably securing the plurality of ladder segments relative one another, one of the plurality of ladder segments further including, a pair of handrails each of which are pivotally interconnected to each of the corresponding pair of siderails so as to pivot between an operative elevated condition away from the siderails, and, an inoperative condition adjoining the siderails, and, a handrail securing mechanism for releasably securing the pair of handrails relative the pair of siderails when in the operative elevated condition, wherein at least the pair of ladder segments are manufactured from a material having non electrical conductive properties.



21: 2020/01545. 22: 2020/03/11. 43: 2021/09/14

51: B29C; B65D

71: Vegeplast

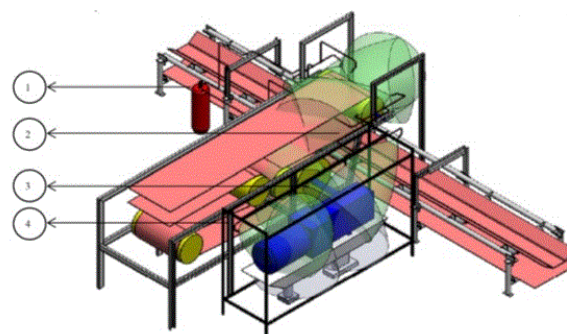
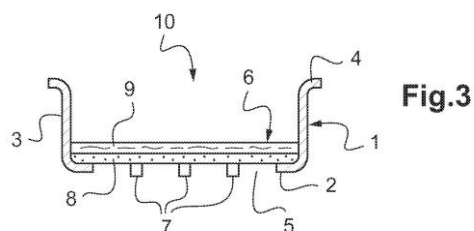
72: PLUQUET, Vincent, BEAUVAIS, Guillaume, GARREAU, Xavier

33: FR 31: 1755928 32: 2017-06-28

54: BIODEGRADABLE PACKAGING, METHOD FOR MANUFACTURING SAME AND USES THEREOF

00: -

The invention relates to biodegradable packaging (10) comprising: - a biodegradable substrate (1) comprising a bottom (2) from the edge of which a wall (3) rises so as to define an inner face capable of containing an item, such as a food item or a plant; - a biodegradable film (6), characterised in that said biodegradable substrate (1) comprises one or more openings (5) arranged on the bottom (2) and/or the wall (6), said biodegradable film (6) being positioned on said inner face of said biodegradable medium (1) so as to seal at least said openings (5) and in that the biodegradable film (6) is positioned on the biodegradable substrate (1) by the in-mould labelling technique.



21: 2020/01580. 22: 2020/03/13. 43: 2021/09/14
51: E21F

71: I-CAT INTERNATIONAL CONSULTING AND TRADING (PTY) LTD

72: VAN DER MERWE, Antonie, Duminy

33: ZA 31: 2019/00914 32: 2019-02-13

54: CONVEYOR FIRE SUPPRESSION SYSTEM

00: -

The invention provides a full conveyor fire suppression system consisting of a primary suppression system, a suppression and cooling zone/s system, a redundancy system, including an early warning system, and optionally additional localised fire suppression systems, the system including automatically detecting a rise in temperature in individual rollers/idlers, using addressable line-type linear heat detection, and alarm means which used to alarm employees on the location of the fire risk to allow them to respond pro-actively, automatically suppressing stationary fires on the head, tail and take-up sections of the conveyor belt, automatically suppressing moving conveyor belt fires along the length of the conveyor belt, automatically suppressing or containing stationary fires, including scrubbing toxic smoke, along the length of the conveyor belt, allowing workers to escape to the nearest refugee bay or emergency assembly point, and optionally, automatically suppressing fires caused by ancillary equipment in close proximity to the conveyor belt installation.

21: 2020/01583. 22: 2020/03/13. 43: 2021/09/14
51: A01K; A01N

71: Scientific Roets (Pty) Ltd

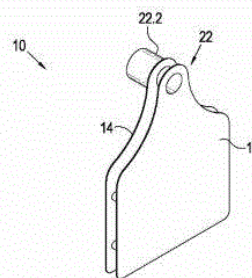
72: ROETS, Merida

33: ZA 31: 2018/08407 32: 2018-12-13

54: A PEST REPELLENT AND/OR PESTICIDAL DEVICE

00: -

This invention relates to a pest repellent and/or pesticidal device and to a kit comprising such a device and at least one pest repellent and/or pesticidal insert. The device comprises a body defining an attachment formation for non-removable attachment of the pest repellent and/or pesticidal device to a target object. The body defines a locating zone for the removable attachment of a disposable pest repellent and/or pesticidal insert in the locating zone. One or more vents are air flow communication with the locating zone such that any vapours from the insert may be communicated outside the device, in use.



21: 2020/01627. 22: 2020/03/16. 43: 2021/09/02
51: E06B

71: AVAX SA 407 CC

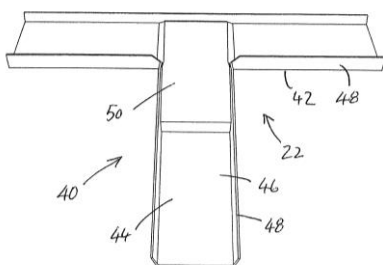
72: COETZEE, Quentin

33: ZA 31: 2019/02195 32: 2019-04-09

54: RIGIDIFYING ELEMENT FOR A DOOR FRAME

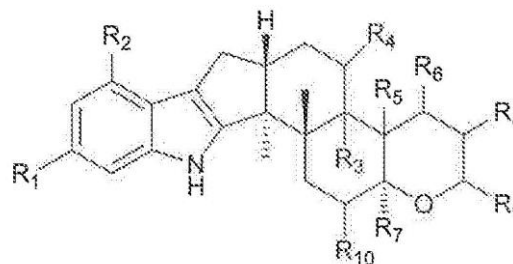
00: -

The invention provides a rigidifying element for a door frame which comprises a T-shaped body made of a suitable resiliently deformable material and which body includes a bracing member, comprised of a first channel section, for engaging a top-section of a door-frame, which extends in a first direction and a connector member, comprised of a second channel section, for engaging a style of a door-frame, which extends from a side of the bracing member in a second direction which is perpendicular to the first direction, wherein each channel section has a base surface and opposed lipped sidewalls.



21: 2020/01670. 22: 2020/03/17. 43: 2021/09/07
51: A01N
71: Valent BioSciences LLC
72: BRANSCOME, Deanna, HEIMAN, Daniel F., SANCHEZ LOPEZ, Jose Maria, LUSTIG, Joseph H., WANG, Gary T.
33: US 31: 62/566,012 32: 2017-09-29
54: METHODS OF CONTROLLING PESTS USING TERPENDOLES
00: -

The present, invention is directed to a method of controlling a pest comprising applying an effective amount of one or more terpendoles to the pest or an area in need of pest control. The present invention is further directed to a method of controlling a pest comprising applying an effective amount of one or more compounds having the following chemical, structure, to the pest or an area in need of pest control.



21: 2020/01673. 22: 2020/03/17. 43: 2021/09/06
51: A24D; A24F
71: delfortgroup AG
72: VOLGGER, Dietmar, BACHMANN, Stefan
33: DE 31: 10 2019 100 112.9 32: 2019-01-04
54: BIODEGRADABLE SEGMENT OF A SMOKING PRODUCT
00: -

The invention discloses a segment of a smoking product, comprising a fibre-based web material and an encasing material, which encases the fibre-based web material, wherein the fibre-based web material comprises at least 40% cellulose fibres and less than 10% non-natural polymers, both values being in relation to the mass of the web material, has a mass per unit area of at least 10 g/m² and at most 70 g/m² and a thickness of at least 25 µm and at most 400 µm, said web material having, in the segment, an area of at least 20 cm² and at most 90 cm² per cm³ volume of the segment. The segment without the encasing material has a density of at least 50 kg/m³ and at most 300 kg/m³, and a parameter Z, which is defined as $Z = \rho_{web} + 5 \cdot \rho_{seg} + 12 \cdot A_{web}$, meets the inequality $1300 \leq Z \leq 2800$, with ρ_{web} being the density of the web material in kg/m³, ρ_{seg} being the density of the segment without encasing material in kg/m³, and A_{web} being the area of the web material per volume of the segment in cm²/cm³.

21: 2020/01725. 22: 2020/03/18. 43: 2021/08/24
51: A61L; A61M
71: C.R. Bard, Inc.
72: YIN, Zhihui, FISH, David, ROBERTS, Tom, SILVER, Adam, CHAPMAN, Brian
33: US 31: 15/724,879 32: 2017-10-04
54: URINARY CATHETER
00: -

A urinary catheter and container are described. The urinary catheter may have a catheter shaft attached to a handle, and a coating disposed on an outer surface of the catheter shaft. The coating may include a hydrogel, water and/or glycerin, and a polyethylene glycol (PEG). The PEG may have a molecular weight equal to or less than 600, for example one or more of polyethylene glycol (PEG) 300 and PEG 400. The coating may be applied in a wet state and remain wet for an extended period of time in the container, thereby obviating the need for a lubricant, such as a water sachet or gel package, to accompany the catheter in the container. The container may include a gas impermeable foil material. The container may include an adhesive tab covering a perforated section, the adhesive tab including a pull loop.

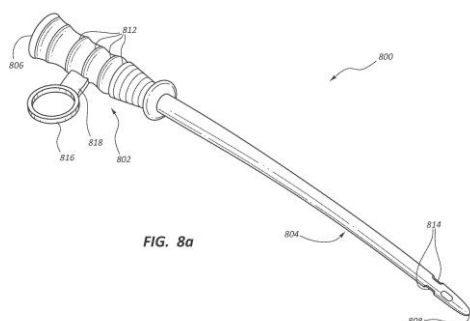


FIG. 8a

21: 2020/01742. 22: 2020/03/19. 43: 2021/10/08

51: H04L

71: BEIJING XIAOMI MOBILE SOFTWARE CO., LTD

72: BABAEI, Alireza, DINAN, Esmael, ZHOU, Hua, JEON, Hyoungsuk, PARK, Kyungmin

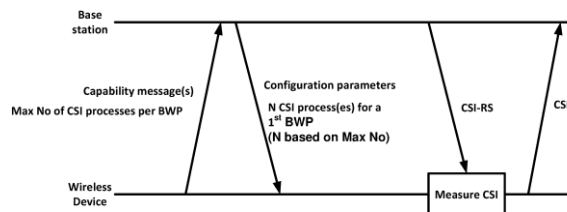
33: US 31: 62/583,654 32: 2017-11-09

33: US 31: 62/585,801 32: 2017-11-14

54: METHODS AND APPARATUSES FOR COMMUNICATIONS BASED ON WIRELESS DEVICE CAPABILITIES

00: -

A wireless device transmits one or more capability messages to a base station indicating that the wireless device supports a first number of channel state information processes per bandwidth part of a cell. One or more second messages are received that comprise: first configuration parameters of a first plurality of bandwidth parts of a first cell where the first plurality of bandwidth parts comprising a first bandwidth part; second configuration parameters indicating a plurality of channel state information reference signal resources; and third configuration parameters of a second number of channel state information processes for the first bandwidth part where the second number is smaller than or equal to the first number. First reference signals received via the plurality of channel state information reference signal resources are measured. Channel state information for the second number of channel state information processes are transmitted based on the measuring.



21: 2020/01782. 22: 2020/03/20. 43: 2021/09/14

51: A61K; C12C

71: Euphoria Research and Development Ltd.

72: HAKIM, Daniel

33: US 31: 62/548,924 32: 2017-08-22

54: ENRICHED ALCOHOLIC BEVERAGES

00: -

Alcoholic beverages enriched with a neurotransmitter precursor are provided. The enriched alcoholic beverages, for example, beer, wine or spirit, afford certain desired psychoactive and psychotropic effects upon consumption thereof, such as enhanced euphoric feeling, elevated mood, motivation, focus and sociability, which exceed similar effects exerted by corresponding non-enriched beverages, yet reduce or avoid the adverse effects associated with alcohol consumption, particularly with intoxication.

21: 2020/01804. 22: 2020/03/23. 43: 2021/09/14

51: F16H

71: MATA REY, David, BAZANT, Joachim

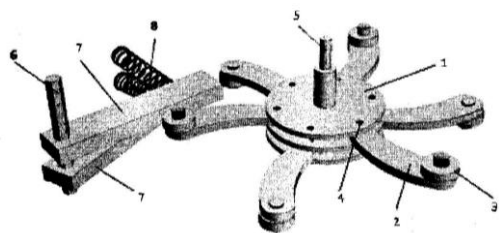
72: MATA REY, David

33: ES 31: PCT/ES2017/070583 32: 2017-08-21

54: CENTRIFUGAL IMPACT TRANSMISSION

00: -

The invention relates to centrifugal impact transmission between a drive shaft (1) with one or more rotors (1) and one or more driven shafts (6) parallel to the drive shaft (1): each rotor (1) or rotor level (1) comprises one or more arms (2) joined to the rotor (1) by a joint (4) and with a mass (3) at the free end thereof, which can be disconnected via a clutch. Each driven shaft (6) comprises at least one lever (7), joined to the driven shaft (6) via a one-way clutch, and aligned with a rotor (1), the lever (7) having a return mechanism (8). In this way, each arm (2) has at least one lever (7) aligned with it, and the rotation of each rotor (1) produces the consecutive impact of the arms (2) thereof on each lever (7) aligned with the rotor (1).



21: 2020/01876. 22: 2020/03/24. 43: 2021/09/02
51: C08J C08F A61F C08L

71: LIFESTYLES HEALTHCARE PTE. LTD.

72: NGUYEN, Kc, NGOWPRASERT, Chayapon,
CHOO, Catherine, Tang, Kum

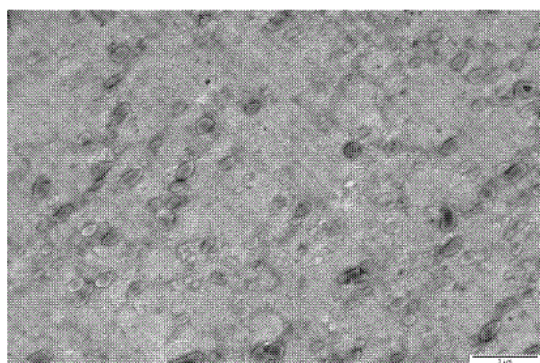
33: US 31: 62/552,859 32: 2017-08-31

33: US 31: 16/115,750 32: 2018-08-29

**54: ZIEGLER-NATTA CATALYZED
POLYISOPRENE ARTICLES**

00: -

A polymeric article comprises an elastomeric layer comprising cured synthetic polyisoprene particles that comprise a Ziegler-Natta catalyzed polyisoprene.



21: 2020/01882. 22: 2020/03/24. 43: 2021/09/02
51: B25D

71: PITEC DEUTSCHLAND GMBH

72: SCHMUCKER, Erwin (Deceased)

33: DE 31: 10 2017 121 668.5 32: 2017-09-19

**54: STRIKING TOOL FOR PROCESSING
WORKPIECES**

00: -

The invention relates to a striking tool (SL) for processing workpieces (WS), comprising a striking mechanism (SW) arranged in a housing (GE), which is suitable for transmitting an oscillating movement onto a processing tip (BS) arranged in an axial direction (AR), wherein the striking mechanism (SW)

can be moved in the axial direction (AR) against the housing (GE) between a lower stopping point (AU) and an upper stopping point (AO), wherein a means (MI) for generating a constant or variable contact pressure (AK) of the processing tip (BS) is arranged between the housing (GE) and the striking mechanism (SW), such that the contact pressure (AK) is additionally applied to the processing tip (BS) after the striking mechanism (SW) has been moved along a pre-load path starting from the lower stopping point (AU).

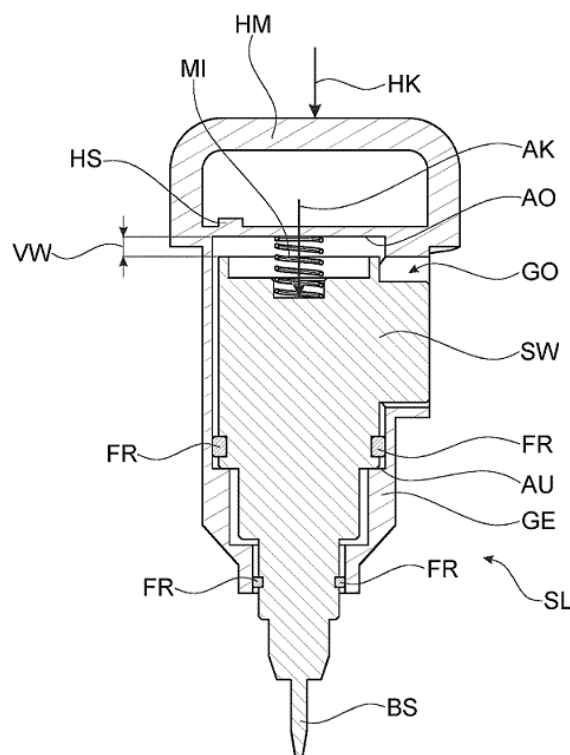


Fig. 2

21: 2020/01904. 22: 2020/03/24. 43: 2021/09/14
51: A61K; A61P; C07D

71: Nippon Shinyaku Co., Ltd.

72: FUJIWARA, Toshio

33: JP 31: 2017-187296 32: 2017-09-28

54: CRYSTAL

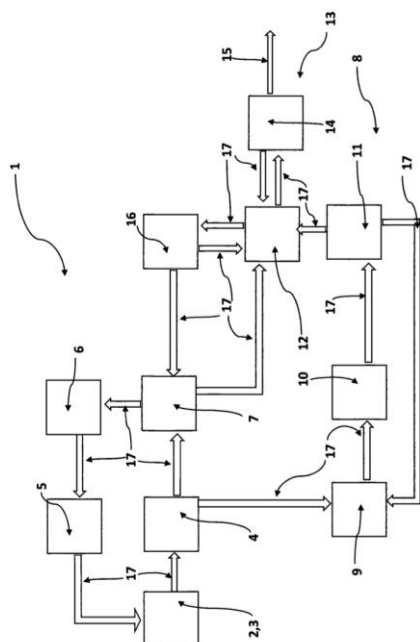
00: -

The main purpose of the present invention is to provide a novel crystal of 2-[4-[N-(5,6-diphenylpyrazine-2-yl)-N-isopropylamino]butoxy]acetic acid (hereinafter "compound B"). A type I crystal of compound B with which, in a powder X-ray diffraction spectrum obtained by using CuK α radiation ($\lambda=1.54$ Å), the diffraction angle (2 θ) shows peaks at the diffraction angles 6.4°, 8.1°, 9.5°, 10.9°, 13.2°, 15.7°, 17.0°, 19.5°, 20.3°, 21.0°, and 22.8°. A type II crystal of compound B with which, in a powder X-ray diffraction spectrum obtained by using CuK α radiation ($\lambda=1.54$ Å), the diffraction angle (2 θ) shows peaks at the diffraction angles 9.6°, 11.4°, 11.7°, 16.3°, 17.5°, 18.5°, 18.7°, 19.9°, 20.1°, 21.0°, and 24.6°.

21: 2020/01917. 22: 2020/03/24. 43: 2021/09/02
 51: A01G; A01K
 71: DESERTFOODS INTERNATIONAL GMBH
 72: GODDEK, Simon, DELAIDE, Boris
 33: DE 31: 10 2017 121 995.1 32: 2017-09-22
 33: DE 31: 10 2017 122 005.4 32: 2017-09-22
 33: DE 31: 10 2017 121 990.0 32: 2017-09-22
54: DECOUPLED MULTI-TROPHIC PRODUCTION FACILITY WITH BIO REACTOR UNIT

00: -

A facility for growing vegetation, the facility (1) comprising at least one container (2) for taking aquatic animals and/or aquatic organisms, at least one hydroponic part (13), at least one device for water and/or substance circulation (17) whereby the facility (1) further comprises at least one bio reactor unit (10).



21: 2020/01991. 22: 2020/05/04. 43: 2021/09/14
 51: A61K; C07K; C12N
 71: Aerpio Pharmaceuticals, Inc.
 72: PETERS, Kevin, FLYNN, Michael Allen
 33: US 31: 62/364,381 32: 2016-07-20
54: HUMANIZED MONOCLONAL ANTIBODIES THAT TARGET VE-PTP (HPTP-β)

00: -

The disclosure provides compositions and methods for the treatment of ocular conditions associated with angiogenesis comprising administering an antibody

that targets a tyrosine phosphatase inhibitor in a subject.

```

1                                     50
(SEQ ID NO: 50) VHO EVQLVETGGGLVQPGGSKLSCAASGFTFNANAMNWIQAPGKLEWVAR
(SEQ ID NO: 9)  VH1 EVQLVESGGGLVQPGGSLRLSCAASGFTFNANAMNWIQASGKLEWVGR
(SEQ ID NO: 10) VH2 EVQLVESGGGLVQPGGSLRLSCAASGFTFNANAMNWIQAPGKLEWVGR
(SEQ ID NO: 11) VH3 EVQLVESGGGLVQPGGSLRLSCAASGFTFNANAMNWIQAPGKLEWVGR
(SEQ ID NO: 12) VH4 EVQLVESGGGLVQPGGSLRLSCAASGFTFNANAMNWIQAPGKLEWVGR

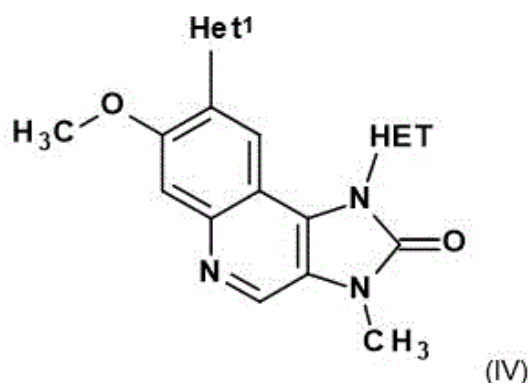
51                                     100
(SEQ ID NO: 50) VHO IRTKSNNYATYYAGSVKDRFTISRDDAQNMLYLQMNLSKTEDTAVYYCVR
(SEQ ID NO: 9)  VH1 IRTKSNNYATYYAGSVKDRFTISRDDSKNTAYLQMNLSKTEDTAVYYCVR
(SEQ ID NO: 10) VH2 IRTKSNNYATYYAGSVKDRFTISRDDSKNLSLYLQMNLSKTEDTAVYYCVR
(SEQ ID NO: 11) VH3 IRTKSNNYATYYAGSVKDRFTISRDDSKNLSLYLQMNLSKTEDTAVYYCVR
(SEQ ID NO: 12) VH4 IRTKSNNYATYYAGSVKDRFTISRDDSKNLSLYLQMNLSKTEDTAVYYCVR

101                                     122
(SEQ ID NO: 50) VHO DYGGSSAWITYWGQGLTVTVSSA
(SEQ ID NO: 9)  VH1 DYGGSSAWITYWGQGLTVTVSS
(SEQ ID NO: 10) VH2 DYGGSSAWITYWGQGLTVTVSS
(SEQ ID NO: 11) VH3 DYGGSSAWITYWGQGLTVTVSS
(SEQ ID NO: 12) VH4 DYGGSSAWITYWGQGLTVTVSS

```

21: 2020/02000. 22: 2020/05/04. 43: 2021/09/06
 51: A61K; A61P; C07D
 71: Merck Patent GmbH
 72: FUCHSS, Thomas, SCHIEMANN, Kai
 33: EP(DE) 31: 15000968.6 32: 2015-04-02
54: IMIDAZOLONYL QUINOLINES AND USE THEREOF AS ATM KINASE INHIBITORS
 00: -

The invention relates to compounds of the formula (IV), wherein Het¹ and HET have the meanings specified in claim 1, are ATM kinase inhibitors and can be used, inter alia, for treating cancer.

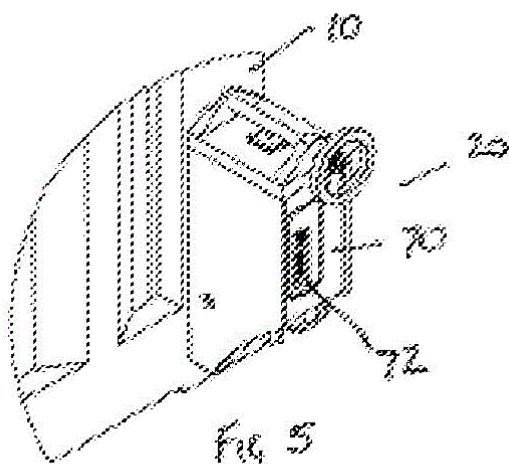


21: 2020/02001. 22: 2020/05/04. 43: 2021/09/14
 51: G01G
 71: Conweigh Innovation Pty Ltd
 72: OLIVER, James Thomas
 33: AU 31: 2015904570 32: 2015-11-06
54: APPARATUS FOR DETERMINING THE WEIGHT OF AN OBJECT

00: -

A method and system for determining the weight of an object, such as a shipping container, comprises a plurality of portable weighing units. The weighing units are attachable to the ISO corner connectors of the shipping container. The shipping container is

lifted and its weight is then supported by the portable weighing units. The portable weighing units are arranged such that the load applied by the weight of the shipping container passes through respective load cells in each weighing unit in the required direction of loading to ensure an accurate reading from each load cell. The system also includes software enabling a customer to book a weighing service and software to facilitate weighing of the shipping container and transmitting weight data for the shipping container to the customer or to a third party.



21: 2020/02023. 22: 2020/05/04. 43: 2021/09/06
51: A61M
71: JUUL LABS, INC.

72: HATTON, NICHOLAS JAY, CHRISTENSEN, STEVEN, LEON DUQUE, ESTEBAN, ATKINS, ARIEL, MONSEES, JAMES, BOWEN, ADAM
33: US 31: 15/396,584 32: 2016-12-31
33: US 31: 62/398,494 32: 2016-09-22

54: LEAK RESISTANT VAPORIZER DEVICE

00: -

This invention concerns a vaporizer device. The device includes a body configured to couple to a cartridge containing a vaporizable material. The body includes one or more electrical contacts configured to couple to one or more extension leads comprising a heating element in the cartridge when the cartridge is coupled with the body of the vaporizer device. The device further includes a controller configured to adjust a temperature of the heating element in order for the heating element to

cause vaporization of at least a portion of the vaporizable material included in the cartridge coupled to the body of the vaporizer device. The adjusting of the temperature may include compensating for an open-circuit voltage produced by a difference in temperature and/or a difference in material between the heating element and the extension leads.

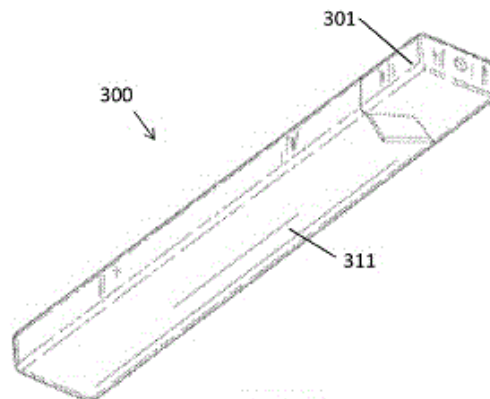


FIG. 3A

21: 2020/02024. 22: 2020/05/04. 43: 2021/09/06
51: H04W; G07C; H04B

71: CARNIVAL CORPORATION

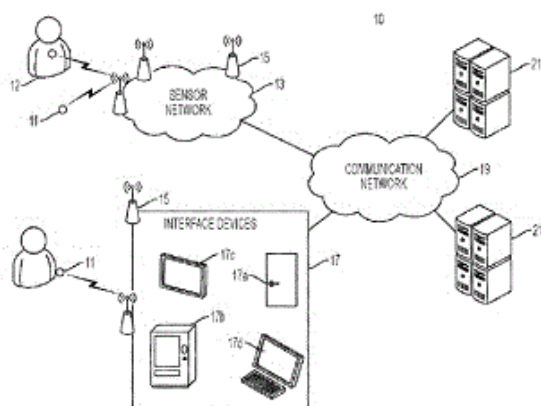
72: PADGETT, JOHN, JUNG, MICHAEL G, STEELE, DOUGLAS, PRESTENBACK, KYLE, CRIADO, RICHARD J, BALL, VINCE, LEONARDS, ADAM, CURTIS, GLENN, VELLON, MANNY, MENDIUK, PATRICK, LAM, SANDER
33: US 31: 15/459,906 32: 2017-03-15
33: US 31: 62/440,938 32: 2016-12-30
33: US 31: 62/420,998 32: 2016-11-11

54: WIRELESS GUEST ENGAGEMENT SYSTEM

00: -

A door latch assembly and an access panel for controlling an electronically-controlled door lock. The assembly comprises a door knob, a latch operated by the door knob, an electrical isolation sleeve mounted on a spindle of the assembly and configured to electrically isolate the door knob from other portions of the assembly, an electronically controlled locking mechanism for selectively unlocking the latch, a proximity sensor which senses contact/proximity of a user with the door knob, and an access panel separate from the door knob and latch. The panel includes a radio for wireless communication with the locking mechanism, a first transceiver for wireless communication with a

portable user device, and a second transceiver for communication with a reservation server. The locking mechanism can selectively unlock the latch based on the contact/proximity of the user with the door knob. The door knob is electrically isolated from a ground potential. The proximity sensor is a capacitive touch sensor electrically connected to the door knob and can sense contact/proximity of the user with the door knob. The panel receives door access information from the reservation server via the second transceiver, determine whether the latch should be unlocked based on the door access information received from the reservation server, and transmit an instruction to unlock the latch to the electronically controlled locking mechanism via the radio based on the determination.



21: 2020/02036. 22: 2020/05/04. 43: 2021/10/07

51: B32B; B65D; C08J; C08L

71: VISCOFAN, S.A.

72: GALLEGO CASTRO, Raúl, CORDERO CERRADA, Lluçia

33: ES 31: P201731261 32: 2017-10-27

54: ACTIVE POLYSTYRENE FILM

00: -

The invention relates to the field of active polymer materials. Specifically, the invention relates to an active polystyrene film that has antimicrobial or antioxidant activity, and to a method for producing said film. The invention also concerns wrappers, containers and interleavers comprising the film.

21: 2020/02042. 22: 2020/05/04. 43: 2021/09/14

51: G01S; G06K; G06Q

71: ELEMENT, INC.

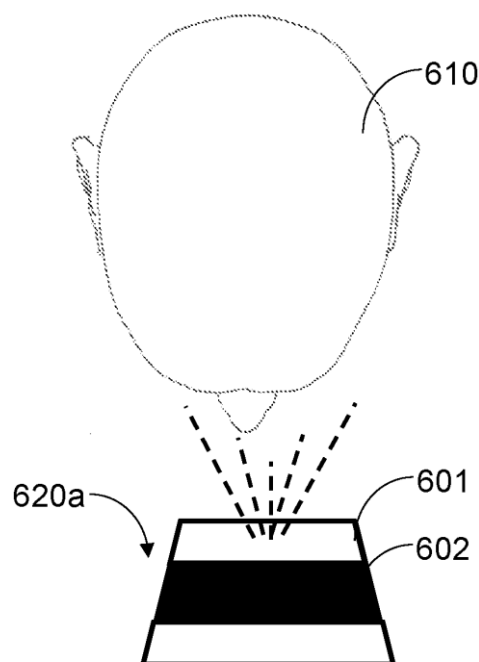
72: LECUN, Yann, PEROLD, Adam, LV, Fengjun, GOYAL, Dushyant, WANG, Yang

33: US 31: 62/560,038 32: 2017-09-18

54: METHODS, SYSTEMS, AND MEDIA FOR DETECTING SPOOFING IN MOBILE AUTHENTICATION

00: -

Provided herein are devices, systems, and methods for detecting spoofing of a 3D object, using a 2D representation, in a mobile object authentication process, comprising capturing image data of the 3D object by a front-facing camera, to record a current spatial characteristic of the 3D object, while a front-facing screen displays an authentication pattern comprising a plurality of regions, wherein at least one of the regions varies in at least one of: brightness, position, size, shape, and color over time causing a variance of lighting effects which create highlights and shadows on the 3D object over time. The devices, systems, and methods thereby provide an efficient and secure process for determining if spoofing of the 3D object, using a 2D representation, is attempted in a mobile authentication process, by comparing the current spatial characteristic of the 3D object with a stored reference spatial characteristic of the 3D object.



21: 2020/02092. 22: 2020/05/04. 43: 2021/09/14

51: C08L

71: STICHTING WAGENINGEN RESEARCH,
 ASFALT KENNIS CENTRUM B.V.
 72: LANDA, Paul Adrianus, GOSSELINK, Richard
 Johannes Antonius

33: EP 31: 17201291.6 32: 2017-11-13

54: LIGNIN-BASED BIO-ASPHALT

00: -

The present invention relates to a composition comprising bitumen; optionally vegetable oil or derivative thereof; and a lignin preparation, wherein the lignin preparation is characterized by a lignin purity of 60-100 wt.% with respect to the weight of the lignin preparation; and a lignin average molecular weight of 1000-5000 g/mol. The composition may be an asphalt binder composition or asphalt composition. Accordingly, the present invention also relates to a paving or roofing comprising the composition of the invention. Further, the present invention relates to a method of preparing an asphalt composition, comprising mixing bitumen with filler material, adding lignin preparation and vegetable oil to the mixture obtained, preferably wherein the lignin preparation and the vegetable oil are added simultaneously.

21: 2020/02121. 22: 2020/05/04. 43: 2021/09/14

51: B01D

71: DONALDSON COMPANY, INC.

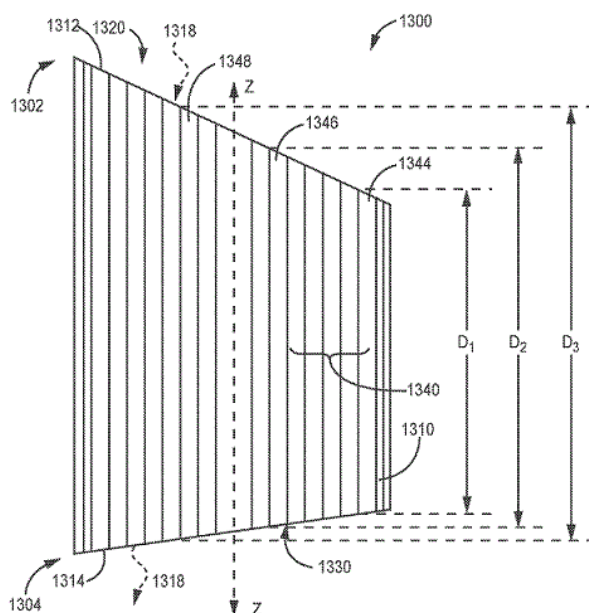
72: SALA, Mark, A.

33: US 31: 62/562,917 32: 2017-09-25

54: FILTER ASSEMBLY

00: -

The technology disclosed herein generally relates to fluted filter assemblies, where flutes formed in the filter media extend from a first flow face of the filter assembly to a second flow face of the filter assembly, where one flow face is an inlet and one flow face is the outlet. Some embodiments relate to first flute distance between the first flow face and the second flow face differing from a second flute distance between the first flow face and the second flow face by greater than 2mm. In some embodiments at least one of the first flow face and the second flow face is non-planar, while in other embodiments at both of the first flow face and the second flow face are planar and non-parallel. Other embodiments are described.



21: 2020/02122. 22: 2020/05/04. 43: 2021/08/24

51: C07C

71: EVONIK OPERATIONS GMBH

72: TRESKOW, Marcel, KRÜGER, Torsten,
 SCHÜTZ, Thorben, KRILL, Steffen

33: DE 31: 10 2017 217 620.2 32: 2017-10-04

**54: PROCESS FOR PREPARING
 DIMETHYLAMINOALKYL (METH)ACRYLATES**

00: -

The present invention relates to a process for preparing dimethylaminoalkyl (meth)acrylates from alkyl (meth)acrylate and dimethylaminoalkanol. It likewise relates to the use of a catalyst system comprising a solution of a lithium alkoxide in alcohol in the preparation of a dimethylaminoalkyl (meth)acrylate.

21: 2020/02132. 22: 2020/05/04. 43: 2021/09/06

51: H04B

71: NOKIA TECHNOLOGIES OY

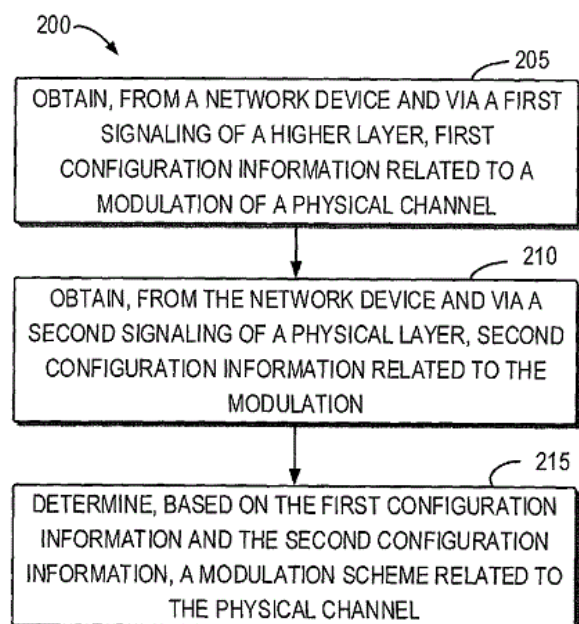
72: YAO, Chunhai, RATASUK, Rapeepat

**54: METHODS, DEVICES AND COMPUTER
 READABLE MEDIUMS FOR A MODULATION OF
 DOWNLINK TRANSMISSION**

00: -

Embodiments of the disclosure provide a method and device for a modulation of downlink transmission. According to the embodiments of the present disclosure, the terminal device may determine the modulation scheme related to the

physical layer based on higher layer signaling and physical layer signaling. According to the embodiments of the present disclosure, the network device may configure the modulation scheme to the terminal device in a flexible way.



21: 2020/02195. 22: 2020/05/04. 43: 2021/09/02
 51: B03C
 71: KraftPowercon Sweden AB, WALLGREN, Bernt
 72: WALLGREN, Bernt
 33: EP(SE) 31: 17195478.7 32: 2017-10-09
54: HIGH-VOLTAGE POWER SUPPLY SYSTEM
 00: -

A high-voltage power supply system (1) for powering an electrostatic precipitator, ESP (10) is disclosed. The system has an AC supply circuit (2) configured to generate a first and a second AC supply voltage, and two supply circuits (5, 6) connected between the AC supply circuit and the ESP. One of the supply circuits is a DC supply circuit (5) configured to transform and convert the first AC supply voltage to a DC base voltage for the ESP, while the other is a pulse supply circuit having a pulse forming circuit (12) configured to generate and forward high-voltage pulses to the ESP. The AC supply circuit is configured such that each of the AC supply voltages are in the mid frequency range, i.e. in the range of 100 Hz to 5000 Hz. Hereby, a cost effective, low weight and compact high-voltage power supply system is presented.

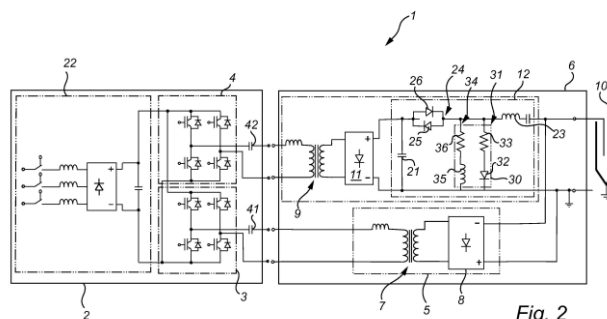


Fig. 2

21: 2020/02206. 22: 2020/05/04. 43: 2021/09/06
 51: C12Q
 71: Oxford Biodynamics Plc
 72: AKOULITCHEV, Alexandre, RAMADASS, Aroul Selvam, HUNTER, Ewan
 33: US 31: 62/581,287 32: 2017-11-03
54: GENETIC REGULATION OF IMMUNORESPONSE BY CHROMOSOME INTERACTIONS
 00: -
 A process for analysing chromosome regions and interactions relating to immunoresponsiveness.

21: 2020/02212. 22: 2020/05/04. 43: 2021/09/02
 51: C04B
 71: Saint-Gobain Weber
 72: LAMBERET, Séverine, BURTIN, Jean-Claude, GOMES, José
 33: FR 31: 1760236 32: 2017-10-30
54: MORTAR COMPOSITION BASED ON SLAG ACTIVATED BY A BY-PRODUCT
 00: -

The invention relates to a dry mortar composition comprising: a hydraulic binder comprising at least one calcium aluminosilicate derivative, at least one ground granulated aluminous slag comprising less than 30 wt.-% silica, and at least one source of calcium sulphate; aggregates and/or fillers; and at least one base in an amount of less than or equal to 0.5% of the total weight of the dry mortar composition.

21: 2020/02219. 22: 2020/05/04. 43: 2021/09/02
 51: B06B; B07B
 71: thyssenkrupp AG, thyssenkrupp Industrial Solutions AG
 72: LEUSCHEN, Guido
 33: LU 31: 100478 32: 2017-10-13
54: SCREENING SYSTEM WITH VIBRATION-NODE-ARRANGED VIBRATION SYSTEMS

00: -

The invention relates to a screening system (1) for screening material to be screened, in particular for screening mineral stone, the system comprising: a screen box (2) which comprises two outer side walls (31, 32), wherein at least two vibration systems (4) are arranged on each of the two side walls (31, 32) for exciting vibration and the two side walls (31, 32) each have at least two vibration nodes (S) in accordance with a bending mode; at least two crossmembers (5), which connect the two side walls (31, 32) to one another; and at least one screen deck (6), which is supported on the at least two crossmembers (5), the two vibration systems (4) on each of the side walls (31, 32) being arranged in such a way that each vibration system (4) is arranged in the region of a vibration node (S) of the side wall (31, 32) in question. The invention also relates to a method for screening material to be screened, in particular for screening mineral stone, by means of a screening system of the aforementioned type.

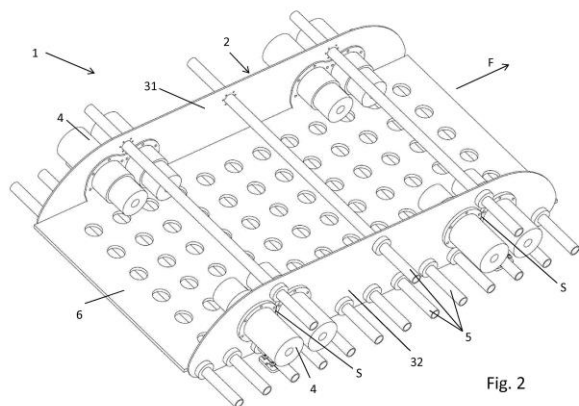


Fig. 2

21: 2020/02275. 22: 2020/05/04. 43: 2021/09/06
51: H04W

71: Huawei Technologies Co., Ltd.

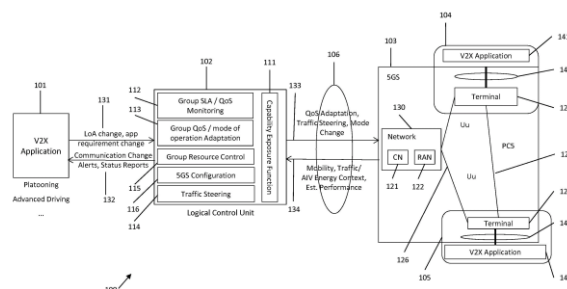
72: ZHOU, Chan, SAMDANIS, Konstantinos,
DILLINGER, Markus Martin, PATEROMICHELAKIS,
Emmanouil

**54: ENTITY, NETWORK, AND USER EQUIPMENT
FOR A V2X SERVICE AS WELL AS V2X
APPLICATION**

00: -

An entity is proposed for controlling a vehicle-to-everything, V2X, service for one or more user

equipments. The entity is configured to determine a requirement for the V2X service based on a network parameter of a network and/or based on an application requirement of a V2X application of the V2X service. The requirement comprises at least one of a quality of service, QoS, a mode of operation and a resource requirement. The entity is configured to transmit an adaptation request message comprising the requirement for an adaptation to the requirement.



21: 2020/02286. 22: 2020/05/04. 43: 2021/09/06
51: C08L; C08J; C08K

71: TBM CO., LTD.

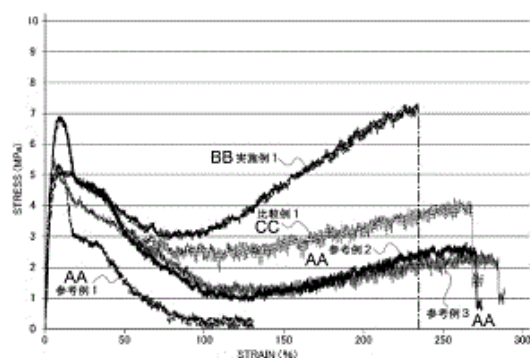
72: KUROKI, SHIGEKI, SASAKAWA, GOUKI

33: JP 31: 2017-181511 32: 2017-09-21

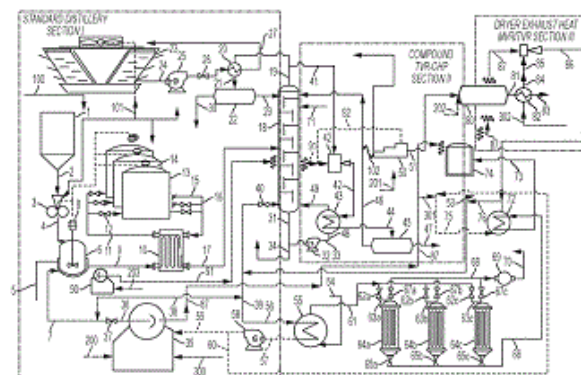
**54: THERMOPLASTIC RESIN COMPOSITION
AND FORMED ARTICLE FORMED BY USING
THERMOPLASTIC RESIN COMPOSITION**

00: -

An object is to provide a sheet not generating feeding failure in a device having a heat setting process even when a large amount of an inorganic filler is included and a thermoplastic resin composition for forming the sheet. The thermoplastic resin composition includes at least a thermoplastic resin and an inorganic filler, in which the thermoplastic resin includes polypropylene having no long chain branch (B) and polypropylene having a long chain branching structure (A) in a mass ratio of 80:20 to 98:2.



AA Reference example
BB Example 1
CC Comparative example 1



21: 2020/02289. 22: 2020/05/04. 43: 2021/09/06

51: C10G; C12P

71: ENERGY INTEGRATION, INC.

72: CRAWFORD, LYNN, SCHAFER, WILLIAM III

33: US 31: 15/711,699 32: 2017-09-21

54: ENERGY-EFFICIENT SYSTEMS INCLUDING VAPOR COMPRESSION FOR BIOFUEL OR BIOCHEMICAL PLANTS

00: -

Processes and systems are provided to compress vapors produced in distillation and recover the heat of condensation through vapor compression and to derive mechanical, thermal, and electrical energy from a combined heat and power system, while maintaining the plants original ability to operate. The plants existing distillation system, steam generation, and electrical demand determine the design basis for the retrofit system that is targeted at an optimized combination of energy usage, energy cost, and environmental impact. Vapor compression (by mechanical vapor recompression and/or thermal vapor recompression) minimizes the total energy usage. Optionally, combined heat and power provides a means of converting energy between fuel, electricity, and thermal energy in a manner that best complements plant requirements and energy economics and minimizes inefficiencies and energy losses.

21: 2020/02290. 22: 2020/05/04. 43: 2021/09/29

51: B02C; G01N

71: SENSTECH SPA

72: BUSTOS ROBLEDO, JUAN PABLO,

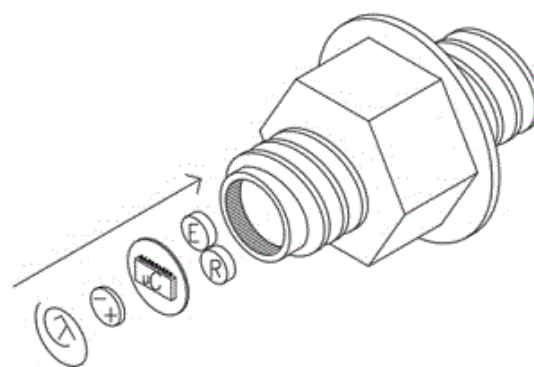
VILLAVICENCIO ARAYA, CRISTIÁN

33: CL 31: 2260-2017 32: 2017-09-07

54: SYSTEM FOR IN-LINE MEASUREMENT OF MILL LINER WEAR AND MILL BOLT TENSION BY MEANS OF AN ECHOGRAPHIC SENSOR INSERTED INTO THE THREADED END OF BOLTS

00: -

The invention relates to a system for the in-line measurement of mill liner wear and mill bolt tension, which includes: an acoustic-wave emitter, an acoustic-wave receiver, an electronic circuit, an energy source and a communication device, all at the threaded end of a certain number of bolts; a device in the vicinity of the mill for administering communication and gathering data; and a system in a remote position for processing and displaying data.



21: 2020/02291. 22: 2020/05/04. 43: 2021/09/06

51: G01V

71: PETROCHINA COMPANY LIMITED

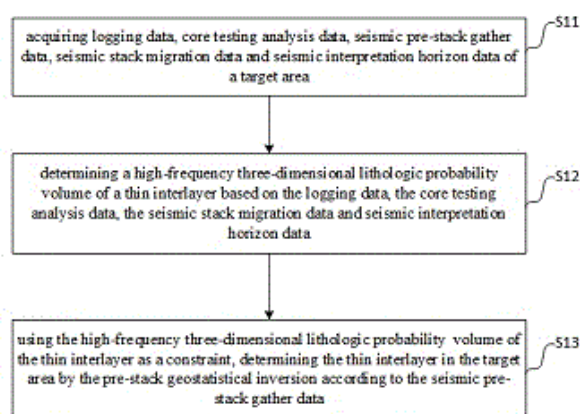
72: GUO, TONGCUI, WANG, HONGJUN, KONG, XIANGWEN, MA, ZHI, LI, HAOCHEN

33: CN 31: 201710890153.1 32: 2017-09-27

54: METHOD AND APPARATUS FOR DETERMINING THIN INTERLAYERS

00: -

Embodiments of the present application provide a method and an apparatus of determining thin interlayers. The method comprises: acquiring logging data, core testing analysis data, seismic pre-stack gather data, seismic stack migration data and seismic interpretation horizon data of a target area; determining a high-frequency three-dimensional probability volume of the thin interlayers based on the above data; determining the thin interlayer in the target area by the pre-stack geostatistical inversion, using the high-frequency three-dimensional probability volume of the thin interlayer as a constraint. With such solution, the high-frequency three-dimensional probability volume of the thin interlayer having a high resolution and a good characterization effect and being capable of reflecting the longitudinal change trend is determined by comprehensively utilizing the logging data and the seismic data; then the thin interlayer is determined by the inversion, using the above described high-frequency three-dimensional probability volume of the thin interlayer as a constraint, so as to solve the technical problems of the existing methods that determination of thin interlayers has a large error, the resolution is low and a buphthalmia circle phenomenon occurs around well points.



21: 2020/02293. 22: 2020/05/04. 43: 2021/09/06
51: G05D; F03D

71: ALERION TECHNOLOGIES, S.L.

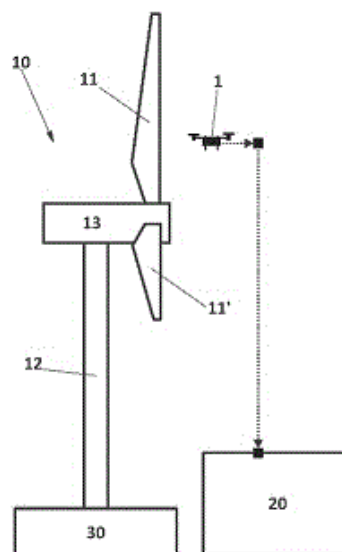
72: GHIGLINO NOVOA, PABLO FRANCISCO, BARBADILLO AMOR, JAVIER, COMÍN CABRERA, FRANCISCO JOSÉ, PEÑAGARICANO MUÑO, OIER

33: EP 31: 17382598.5 32: 2017-09-06

54: METHOD AND DEVICE OF AUTONOMOUS NAVIGATION

00: -

A drone (1) and method of autonomous navigation for tracking objects, using computer vision and LiDAR sensors of the drone (1) and comprising: detecting by both calibrated computer vision and LiDAR sensors at least one object to be tracked by the drone (1), measuring by the LiDAR sensor a set of features of the detected object, estimating the relative position of the drone (1) and the detected object; commanding the drone (1) to reach a target reference point which belongs to a set of reference points determining a trajectory, the set of reference points being defined on the basis of the measured features of the detected object and the estimated relative position; once the target reference point has been reached by the drone (1), adjusting the trajectory by redefining a next target reference point from the set of reference points in order to keep the detected object centred on the computer vision sensor.



21: 2020/02294. 22: 2020/05/04. 43: 2021/09/06
51: A61K; A61Q
71: KL-KEPONG OLEOMAS SDN BHD

72: KRALCHEVSKY, PETER ATANASSOV,
STANIMIROVA, RUMYANA DOBREVA, PETKOV,
JORDAN TODOROV, XU, HUI

33: MY 31: PI 2017703730 32: 2017-10-03

54: A CONDITIONING SHAMPOO COMPOSITION

00: -

The invention relates to a shampoo composition for enhancing deposition of oil drop onto a substrate, comprising a mixture of sulfonated methyl ester compounds containing two or more sulfonated methyl esters of a fatty acid having a chain length of 12 to 20 carbon atoms (C12-C20); a zwitterionic surfactant; an oil phase; and a cationic polymer. The shampoo composition may further comprise an inorganic electrolyte such as sodium chloride. The invention also relates to use of the shampoo composition for enhancing deposition of oil drop onto a substrate, wherein the composition comprises a specific blend of sulfonated methyl ester compounds.

21: 2020/02297. 22: 2020/05/04. 43: 2021/09/06
51: H04N

71: SAFRAN ELECTRONICS & DEFENSE

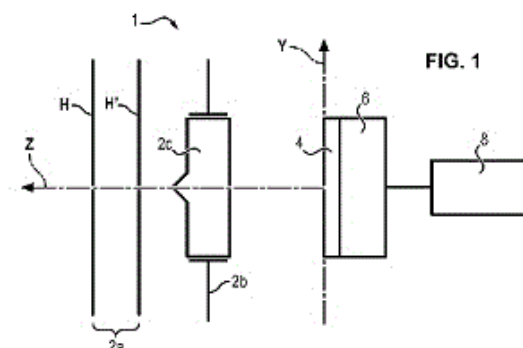
72: DAVENEL, ARNAUD, JOUFFROY, MICHEL,
DUBOIS, CORENTIN, GUERIN, YANNICK,
ROBERT-CHARRERAU, ERIC

33: FR 31: 17/00966 32: 2017-09-21

54: BAYER MATRIX IMAGE SENSOR

00: -

The invention relates to an image sensor comprising: • an optical system (2a) for receiving an optical signal; • a Bayer matrix (4) located on the image focal plane of the optical system (2a), the Bayer matrix (1) comprising: a reference optical filter (B1) configured to eliminate or attenuate, in the received optical signal, a first band of wavelengths and to allow through, in the received optical signal, a second band length of wavelengths, and also eight optical filters adjacent to the reference optical filter (B1); • a phase mask (2c, 22, 28) arranged on a pupil (2b) of the optical system (2a) and configured to selectively project at least 98% of the energy of the optical signal carried in the first band of wavelengths and 98% of the energy of the optical signal carried in the second band of wavelengths on the reference optical filter (B1) and on at least one adjacent optical filter, which is configured to allow through, in the received optical signal, the first band of wavelengths.



21: 2020/02318. 22: 2020/05/04. 43: 2021/09/28
51: H04W

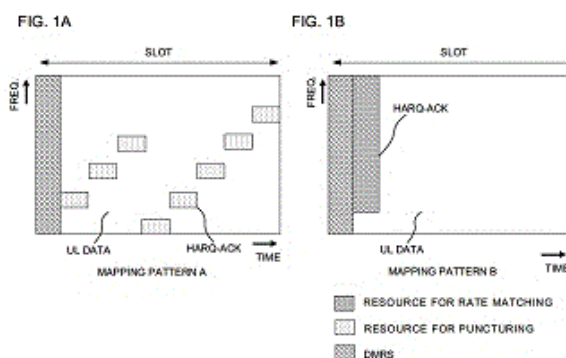
71: NTT DOCOMO, INC.

72: TAKEDA, KAZUKI, NAGATA, SATOSHI, WANG,
LIHUI

54: USER TERMINAL AND RADIO COMMUNICATION METHOD

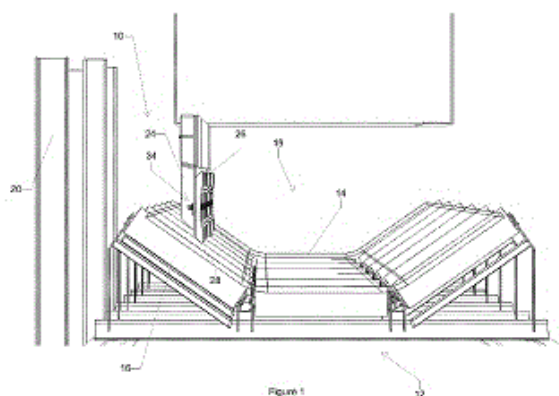
00: -

In order to prevent the communication quality from deteriorating, also in the case of transmitting uplink data and uplink control information using an uplink shared channel in the future radio communication system, one aspect of a user terminal of the present invention has a transmitting section that transmits uplink data and uplink control information, and a control section that determines a mapping pattern for the uplink control information, while selecting at least one of puncturing processing and rate matching processing, based on at least one of the number of bits of a receipt conformation signal included in the uplink control information, an instruction from a base station and a type of the uplink control information, in the case of multiplexing the uplink data and the uplink control information into an uplink shared channel to transmit.



21: 2020/02320. 22: 2020/05/04. 43: 2021/09/06
 51: B65G
 71: CPC ENGINEERING PTY LTD
 72: WARNER, GRAHAM TREVOR, BELL, RONALD
 THOMAS, LLOYD, BRAD MICHAEL JOHN
 33: AU 31: 2017903474 32: 2017-08-28
54: SKIRT SYSTEM FOR A CONVEYOR
 00: -

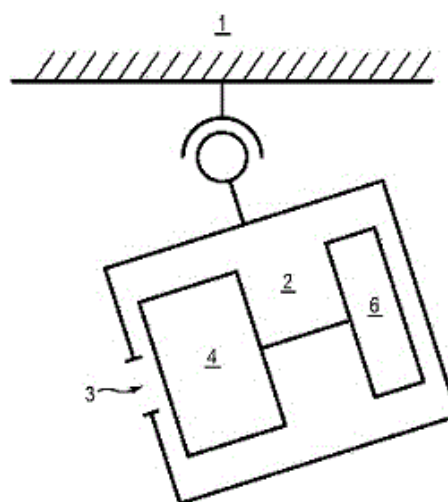
A skirt system (10) for a conveyor (12), the skirt system (10) comprising: a skirt panel (24), having an external face and a working face, the skirt panel (24) being provided with one or more openings (32); a wear liner (26), having a mounting face and a wear face, mounted on the working face of the skirt panel (24), the mounting face having one or more adjustment members (30) extending outwardly therefrom, each adjustment member (30) being adapted to pass through an opening (32); and one or more height adjustment mechanisms (34) mountable on the external face of the skirt panel (24), each height adjustment mechanism (34) being adapted to engage with one or more adjustment members (30), whereby the actuation of the height adjustment mechanism (34) manipulates the position of the wear liner (26) relative to the skirt panel (24).



21: 2020/02321. 22: 2020/05/04. 43: 2021/09/06
 51: G01S
 71: SAFRAN ELECTRONICS & DEFENSE
 72: DAVENEL, ARNAUD, FERQUEL, ROMAIN
 33: FR 31: 17/00947 32: 2017-09-19
54: TARGET TRACKING DEVICE COMPRISING A PHOTODETECTOR WITH QUADRANTS
 00: -

The present invention concerns a target tracking device (2), the device comprising an optical system

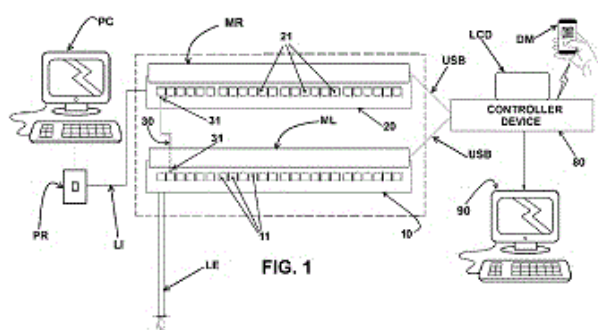
(4) and a photodetector (6) with quadrants (Q1-Q4), wherein the optical system (4) is configured to project a light beam coming from the target onto a spot on at least one of the quadrants (Q1-Q4), and the photodetector (6) is configured to estimate a current position of the spot by weighting light energies received by the quadrants (Q1-Q4). The optical system (4) comprises an optical device (10) configured in order, when the spot is entirely contained in just one of the quadrants (Q1-Q4), to enlarge the spot. The invention also concerns a tracking method capable of being implemented by this tracking device.



21: 2020/02323. 22: 2020/05/04. 43: 2021/09/06
 51: H04Q; H01R
 71: FURUKAWA ELECTRIC LATAM S.A.
 72: SCARPIN, SÉRGIO ROBERTO, TAVARES, FRANCISCO DA SILVA, SILVA, CINTHYA OESTREICH, CAMPAGNOLI, GUILHERME BAUML, CARNEIRO, MATHEUS KULCHESKI, PEREIRA, ADRIEL ERICH, FERNANDES SOBRINHO, CARLOS ALBERTO, MELLO, ANDRÉ LUÍS DE CASTRO
 33: BR 31: BR 10 2017 021868 6 32: 2017-10-10
54: SYSTEM FOR IDENTIFICATION OF THE PAIRS OF PORTS AND OF THE RESPECTIVE PATCH CORDS IN PATCH PANELS OF TELECOMMUNICATION NETWORKS
 00: -

The patch panels (10,20) have pairs of ports (11,21) to be interconnected by connectors (31) provided at each end of a patch cord (30) and carrying a passive NFC identification tag (32) and containing a unique

identity of the patch cord (30). A tracking module (MR) is associated to each patch panel (10,20) and connected to a controller device (80) and comprising an NFC antenna (40) for each panel port (11,21) and a reader (60) for processing and storing the signals that each antenna (40) picks up from the identification tag (32) of a connector (31) inserted in the respective panel port (11,21). Each tracking module (MR) carries a light indicator (70), indicating the connection status of each port (11,21), and a button (73) for registering the patch panel (10,20) in the controller device (80) managed by a server (90).



21: 2020/02324. 22: 2020/05/04. 43: 2021/09/06
51: A01N; A01P

71: ISHIHARA SANGYO KAISHA, LTD.,
SUMITOMO CHEMICAL COMPANY, LIMITED

72: ABE, YUZUKA, NISHIMI, SHUKO

33: JP 31: 2017-170759 32: 2017-09-06

54: FUNGICIDE COMPOSITION AND METHOD FOR CONTROLLING DISEASE OF CROP

00: -

The present invention relates to a fungicide composition having excellent fungicidal activity, particularly a fungicide composition comprising isofetamid and mandestrobin as active ingredients, and a method for controlling a disease of a crop, which comprises applying isofetamid and mandestrobin to the crop.

21: 2020/02326. 22: 2020/05/04. 43: 2021/09/06
51: H04W

71: SHARP KABUSHIKI KAISHA, FG INNOVATION
COMPANY LIMITED

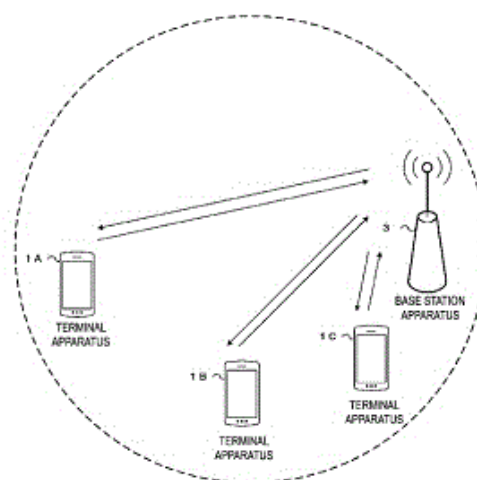
72: YOKOMAKURA, KAZUNARI, YAMADA,
SHOHEI, TSUBOI, HIDEKAZU, TAKAHASHI,
HIROKI

33: JP 31: 2017-172866 32: 2017-09-08

54: BASE STATION APPARATUS, TERMINAL APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT

00: -

To efficiently transmit a power headroom. An apparatus includes a receiver configured to receive first information and receive a physical downlink control channel, the first information including a resource configuration of one or more sounding reference signals, and a transmitter configured to transmit information indicating a first power headroom level for a physical uplink shared channel associated with a sounding reference signal resource index included in downlink control information carried on the downlink control channel, and transmit information indicating a second power headroom level for a physical uplink shared channel associated with a sounding reference signal resource index not included in the downlink control information carried on the downlink control channel.



21: 2020/02332. 22: 2020/05/04. 43: 2021/09/06
51: A41D

71: TNH ENTERPRISES LIMITED

72: LEETE, NEIL, POPE, THERESA JANE, LEETE,
HAYLEY MARIE

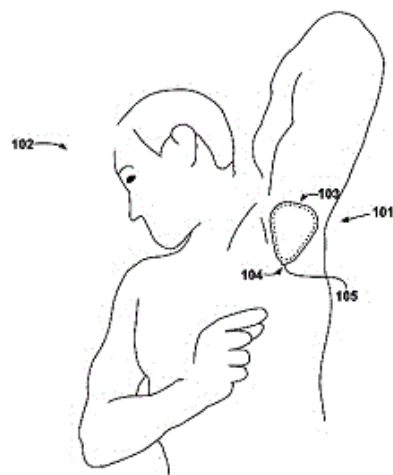
33: GB 31: 1715285.1 32: 2017-09-21

54: PERSPIRATION SHIELD

00: -

A perspiration shield (101) comprises reinforcing layer (203), perspiration impermeable layer (204), perspiration absorbent layer (205) and liner layer (206). The perspiration impermeable layer (204) is provided with an adhesive composition (215)

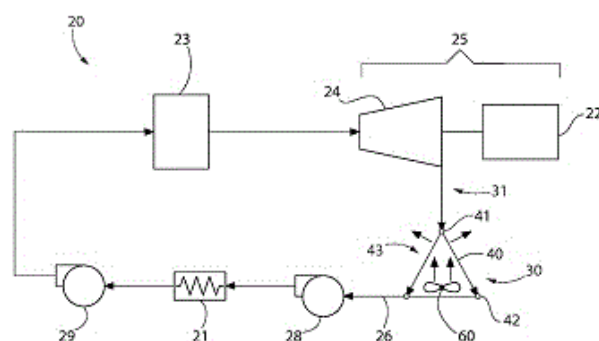
disposed on a border (214) of its inner face (213), forming an adhesive region (216). The perspiration absorbent layer (205) comprises a perspiration absorbent material which is arranged on the inner face (211) of the perspiration impermeable layer (204). The reinforcing layer (203) and the liner layer (206) are releasably attached to the perspiration impermeable layer (204) and the perspiration absorbent layer (205) respectively. The liner layer (206) and the reinforcing layer (203) are releasable prior to and following respectively adhering of the shield (101) to the skin of a wearer's (102) underarm about the adhesive region (216). The shield (101) obviates issues in relation to skin irritation and poor adhesiveness whilst providing a shield (101) that is more easily applied and is sufficiently stable to be stored prior to use.



21: 2020/02333. 22: 2020/05/04. 43: 2021/09/06
51: F28B; F16L; F25B; F28D
71: HOLTEC INTERNATIONAL
72: SINGH, KRISHNA P
33: US 31: 62/564,000 32: 2017-09-27
54: AIR-COOLED CONDENSER SYSTEM
00: -

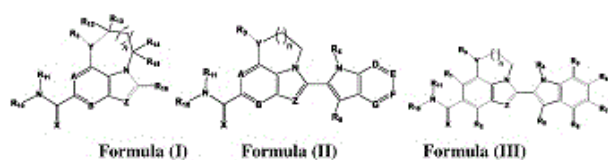
An air-cooled condenser system for steam condensing applications in a power plant Rankine cycle includes an air cooled condenser having a plurality of interconnected modular cooling cells. Each cell comprises a frame-supported fan, inlet steam header, outlet condensate headers, and tube bundle assemblies having optionally finned tubes extending between the headers. The tube bundle assemblies may be fabricated into an A-shaped tube

structure. The tube bundles are self-supporting without support from any part of the frame between top and bottom tubesheets of each bundle. The condensate headers may be slideably mounted to the frame for thermal expansion/contraction. Steam circulating in a closed flow loop on the tube side from a steam turbine is cooled in each cell by ambient air blown through the tube bundles, thereby forming liquid condensate returned to the Rankine cycle. The present design further provides a longitudinal and vertical thermal expansion restraint system.



21: 2020/02335. 22: 2020/05/04. 43: 2021/09/06
51: C07D; A61K; A61P
71: JUBILANT EPIPAD LLC
72: HALLUR, GURULINGAPPA, DURAISWAMY, ATHISAYAMANI JEYARAJ, PURRA, BUCHI REDDY, RAO, N.V.S.K, RAJAGOPAL, SRIDHARAN
33: IN 31: 201741033768 32: 2017-09-22
54: HETEROCYCLIC COMPOUNDS AS PAD INHIBITORS
00: -

Heterocyclic compounds of Formula (I), (II), and (III) are described herein along with their polymorphs, stereoisomers, prodrugs, solvates, co-crystals, intermediates, pharmaceutically acceptable salts, and metabolites thereof. The compounds described herein, their polymorphs, stereoisomers, prodrugs, solvates, co-crystals, intermediates, pharmaceutically acceptable salts, and metabolites thereof are PAD4 inhibitors and may be useful in the treatment of various disorders, for example rheumatoid arthritis, vasculitis, systemic lupus erythematosus, cutaneous lupus erythematosus, ulcerative colitis, cancer, cystic fibrosis, asthma, multiple sclerosis and psoriasis.



21: 2020/02336. 22: 2020/05/04. 43: 2021/09/06

51: F42B; F42D

71: FABRISER, S.A. DE C.V.

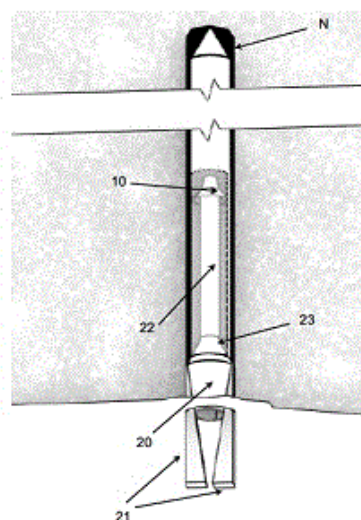
72: NOVO MERCADO, PEDRO AUGUSTO

33: MX 31: MX/a/2017/012724 32: 2017-10-03

54: ANTI-STATIC, FOLDING CONTAINER FOR BLASTING OPERATIONS, WHICH CAN BE PARTIALLY COMPRESSED, AND ASSOCIATED ACCESSORIES

00: -

The present invention relates to a semi-flexible, anti-static, folding container which can be partially compressed, said container having accessories and comprising a thin wall allowing buffer blasting operations, decoupling the bore hole, suitable for use in mineral extraction processes. As a result of the invention, containers can be as long as required, since transport, storage and handling are facilitated owing to the fact that the container can be folded and unfolded without its form or function being impacted. In addition, the explosive can be easily loaded and dosed using a container of smaller diameter and an anchoring spacer ring in order to form an air chamber and generate buffer blasting. The container of the invention can also be self-supported by means of a crossbar or a closure member.



21: 2020/02337. 22: 2020/05/04. 43: 2021/09/06

51: H04W

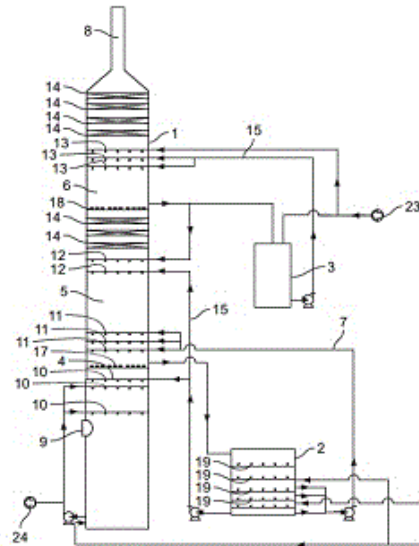
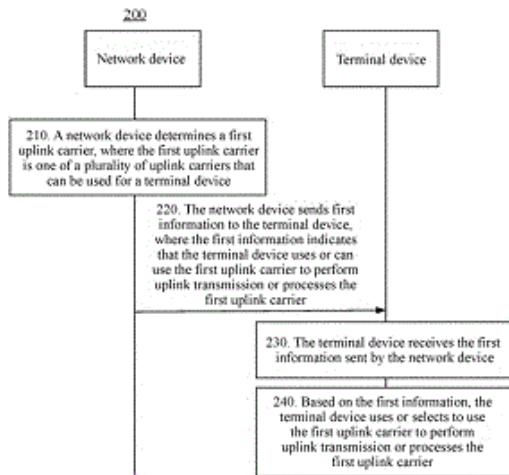
71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

72: CHEN, WENHONG, ZHANG, ZHI

54: WIRELESS COMMUNICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE

00: -

Provided in embodiments of the present application are a wireless communication method and device, capable of increasing communication functionality from the perspective of band deployment and processor use. The method comprises: a network device determining a first uplink carrier, said first uplink carrier being an uplink carrier from among multiple uplink carriers capable of being used for a terminal device; the network device sending first information to the terminal device, said first information indicating that said terminal device uses or can use the first uplink carrier to perform uplink transmission, or perform processing of the first uplink carrier.



21: 2020/02341. 22: 2020/05/04. 43: 2021/09/06
51: B01D
71: JIANGNAN ENVIRONMENTAL PROTECTION GROUP INC.

72: LUO, JING, QI, LIFANG, WANG, JINYONG
33: US 31: 15/923,031 32: 2018-03-16
33: CN 31: 201710800599.0 32: 2017-09-07

54: METHOD FOR CONTROLLING AEROSOL PRODUCTION DURING ABSORPTION IN AMMONIA DESULFURIZATION

00: -

Apparatus and methods for controlling aerosol production during absorption in ammonia desulfurization, by removing sulfur dioxide in flue gas with an absorption circulation liquid containing ammonium sulfite, so as to control the aerosol production during absorption in ammonia desulfurization. Efficient desulfurization and dust removal may be achieved by staged solution composition control and reaction condition control. At the same time ammonia escape and aerosol production during absorption may be controlled. The flue gas may be subjected to preliminary temperature lowering and purification, and may be allowed to contact with an absorption circulation liquid and a fine particle washing circulation liquid sequentially. Levels of solution compositions and reaction temperatures may be controlled.

21: 2020/02359. 22: 2020/05/04. 43: 2021/09/14
51: H04L

71: Huawei Technologies Co., Ltd.

72: LUO, Hejia, DU, Yinggang, LI, Rong, HUANG, Lingchen, CHEN, Ying

33: CN 31: 201710843554.1 32: 2017-09-18

54: CODING METHOD AND CODING APPARATUS FOR POLAR CODE

00: -

Disclosed in the present invention are a coding method and a coding apparatus for a polar code. The method comprises: determining that a valid payload of broadcast signaling comprises D cyclic redundancy check (CRC) bits and M predictable information bits; respectively mapping the M predictable information bits to M information bits having low reliability among K information bits of a polar code, and mapping the D cyclic redundancy check (CRC) bits to D information bits having high reliability among remaining information bits in the K information bits, so as to obtain mapped bits, $M < K$, and D, M and K being all positive integers; and performing polar coding on the mapped bits, so as to obtain coded bits after coding. By means of embodiments of the present invention, the reliability of broadcast signaling transmission can be improved.

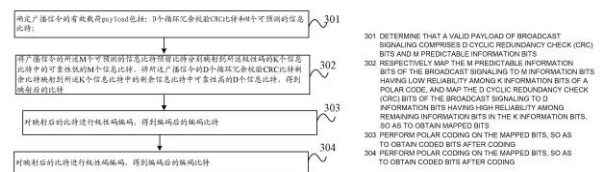


图 3

21: 2020/02369. 22: 2020/05/04. 43: 2021/09/14
51: E04B; E04C; E04H

71: PatCo, LLC

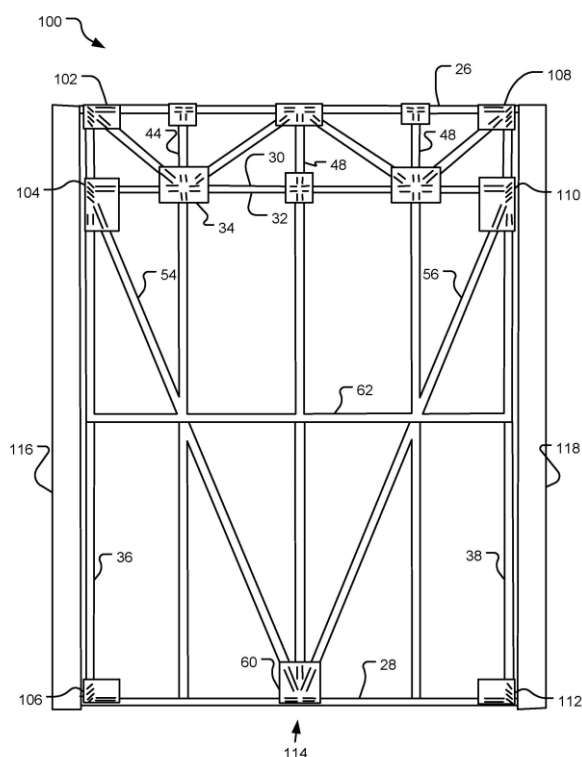
72: STASZCZYK, Grzegorz, VANKER, John Louis, LASTOWSKI, Michael J.

33: US 31: 62/567,446 32: 2017-10-03

54: SEISMIC YIELDING CONNECTION

00: -

The disclosed technology provides a seismic yielding connector. The seismic yielding connector includes a U-shaped plate configured to connect a side stud of a panel to another component of a panel and a yielding plate located between the U-shaped plate and the side stud of the panel. A high-strength bolt connects the U-shaped plate, the yielding plate, and the side stud of the panel to a structural column. A bushing is located between the U-shaped plate and the structural column.



21: 2020/02379. 22: 2020/05/04. 43: 2021/09/14
51: C12P

71: Bayer Aktiengesellschaft

72: SPELBERG, Markus, EGGER, Julian

33: EP(DE) 31: 17193736.0 32: 2017-09-28

54: METHOD FOR THE PREPARATION OF CHIRAL ALPHA HALOALKANOIC ACIDS

00: -

What is described herein relates to a method of selectively hydrolyzing an enantiomer of an alpha haloalkanoic acid according to formula I employing a polypeptide having dehalogenase activity comprising an amino acid sequence as set forth in SEQ ID NO. 1 or SEQ ID NO. 4 or a sequence with at least 80%

sequence identity to either of said sequences and to the use of said method.

21: 2020/02418. 22: 2020/05/04. 43: 2021/09/14

51: A61K; A61L

71: GN CORPORATION LTD, JBM INCORPORATION

72: YOSHIOKA Hiroshi, JK, Samuel Abraham

33: JP 31: 2017-195713 32: 2017-10-06

54: URETHRAL STENOSIS TREATMENT AGENT AND URETHRAL STENOSIS TREATMENT METHOD

00: -

[Problem] The purpose of the present invention is to provide a urethral stenosis treatment agent and a urethral stenosis treatment method that make it possible to avoid the recurrence of stenosis in a minimally invasive transurethral endoscopic procedure performed during urethral stenosis treatment. [Solution] A urethral stenosis treatment agent characterized by containing at least a hydrogel-forming polymer and by having a storage elastic modulus of 50 Pa or less at 10°C and a storage elastic modulus of 100 Pa or more at 37°C. Also provided is a urethral stenosis treatment method characterized by including at least a maneuver in which the urethral stenosis treatment agent is cooled to a temperature of 10°C or less and injected into the inner surface of a urethra subjected to incision during a transurethral endoscopic procedure, then retained in the inner surface of the urethra at a temperature equal to or higher than room temperature.

21: 2020/02439. 22: 2020/05/05. 43: 2021/09/06

51: F41A

71: ARM WEST, LLC

72: SULLIVAN, LEROY JAMES, RIENTS, CODY LEE

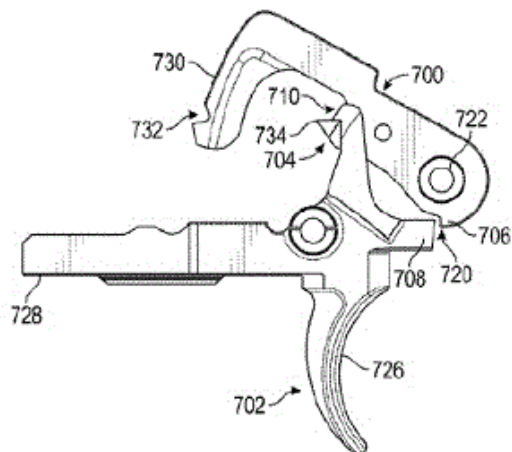
33: US 31: 15/275,253 32: 2016-09-23

54: SELECTIVE FIRE FIREARM SYSTEMS AND METHODS

00: -

A dual use trigger, a trigger group comprising the dual use trigger, and a firearm comprising the dual use trigger. The dual use trigger comprises a trigger sear configured to engage a hammer notch of a standard hammer, and a light pull sear configured to engage a hammer post of a light pull hammer. The dual use trigger may have a forward position for a

fully automatic open bolt mode of operation that is different from a forward position for a semi-automatic closed bolt mode of operation. The trigger group may comprise the standard hammer, wherein the standard hammer is free of features that engage the light pull sear. The standard hammer may comprise a portion configured to engage a disconnect and an extended portion having the hammer notch configured to engage an auto sear.



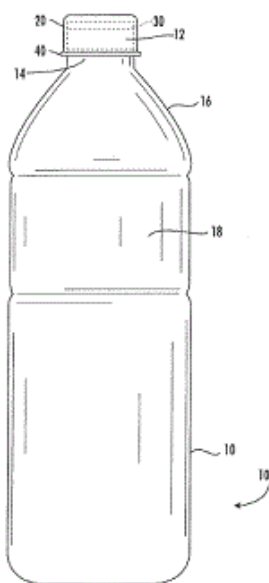
21: 2020/02451. 22: 2020/05/05. 43: 2021/09/06
51: C01D
71: YANXIN ENVIRONMENTAL PROTECTION AND TECHNOLOGY CO., LTD.
72: SHI, RENZHANG, YUAN, DONGHUA, SHI, HONGJIAO, LIANG, JINFENG, SHI, JUNYANG, WANG, XIAOMING, WANG, QIN, LIANG, ZHIFANG, LIANG, ZHIJUN, MO, YUNHUA
54: PROCESS METHOD FOR PRODUCING SODIUM SULFITE PRODUCT

00: -
Disclosed is a process method for producing a sodium sulfite product by absorption of SO₂ flue gas and arsenic removal purification with a leaching alkaline solution of an arsenic-containing industrial alkaline residue. The method comprises: crushing the arsenic-containing industrial alkaline residue, then adding water, pulping, and filtering under pressure to obtain a leaching solution; adding sodium sulfide aqueous solution and p-phenylenediamine into the leaching solution, followed by filter pressing to obtain a clear arsenic-containing leaching alkaline solution for standby; pumping the clear solution into a spray desulfurization tower to absorb SO₂, so as to reduce the pH value of the absorption solution to 6.2 to 6.4,

followed by adding the clear arsenic-containing leaching alkaline solution to adjust the pH value to 10.5 to 11.5; adding a polyferric sulfate aqueous solution for arsenic precipitation and filtering under pressure for liquid-solid separation, followed by concentration and evaporation of the clear solution, and then crystallization to separate the mother solution, and finally drying, thereby obtaining a sodium sulfite product having a mass concentration of more than or equal to 96%.

21: 2020/02452. 22: 2020/05/05. 43: 2021/09/06
51: B65D; A01N; A61J
71: MICROBAN PRODUCTS COMPANY
72: CLAPP, JONATHAN ROBERT, ONG, IVAN WEI KANG, RICHARDS, GLENNER MARIE
33: US 31: 62/569,654 32: 2017-10-09
33: US 31: 16/154,040 32: 2018-10-08
54: ANTIMICROBIAL BOTTLE WITH ANTIMICROBIAL SEAL

00: -
A bottle having an antimicrobial property is provided. The bottle has one or more components including a body, a cap, a seal, and a locking ring. One or more of the components of the bottle are treated with an antimicrobial agent or comprise an antimicrobial agent. The antimicrobial is a silver based antimicrobial, a silver-glass antimicrobial, or other antimicrobial agent.



21: 2020/02454. 22: 2020/05/05. 43: 2021/09/06
51: C01B

71: HALDOR TOPSØE A/S

72: LYKKE, MADSE

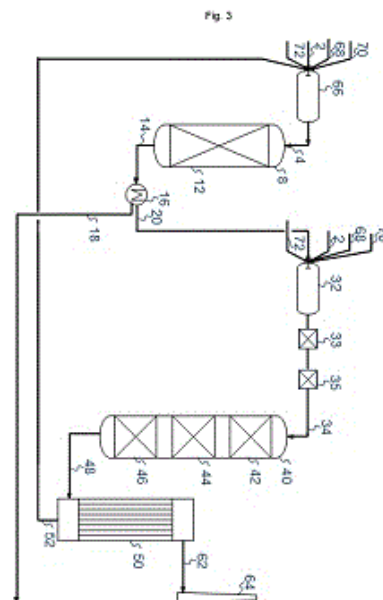
33: EP 31: PCT/EP2017/080721 32: 2017-11-28

33: DK 31: PA 2018 00244 32: 2018-05-30

54: METHOD FOR PRODUCTION OF SULFUR AND SULFURIC ACID

00: -

The present invention relates to process plant comprising a Claus reaction furnace, a means of Claus gas cooling, a Claus conversion section, a means for Claus tail gas oxidation and a sulfuric acid section, wherein the Claus reaction furnace has an inlet and an outlet, the means of Claus gas cooling has a gas inlet, a gas outlet and optional an elemental sulfur outlet, the Claus conversion section has a gas inlet, a gas outlet and an elemental sulfur outlet, the means for sulfur oxidation has an inlet and an outlet and the sulfuric acid section has a gas inlet, a gas outlet and a sulfuric acid outlet, and wherein the inlet of the Claus reaction furnace is configured for receiving a feedstock gas, sulfuric acid, fuel and an oxidant, and the outlet of the Claus reaction furnace is configured for being in fluid communication with the inlet of the means of Claus gas cooling, wherein the outlet of the means of Claus gas cooling is configured for being in fluid communication with the inlet of the Claus conversion section and wherein the inlet of the means for Claus tail gas oxidation means for sulfur oxidation is configured for being in fluid communication with the outlet of said Claus conversion section gas outlet, the means for Claus tail gas oxidation outlet is configured for being in fluid communication with the inlet of the sulfuric acid section, characterized further in the sulfuric acid outlet of the sulfuric acid section being in fluid communication with the inlet of said Claus reaction furnace, as well as a related process. The process has the associated benefit of such a process avoiding undesired production of sulfuric acid, as well as reducing the Claus process gas volume.



21: 2020/02455. 22: 2020/05/05. 43: 2021/09/06

51: C22B

71: UMICORE

72: VERMEULEN, ISABEL, OOSTERHOF, HARALD, COECK, LUC, HACCURIA, ELIEN, CRIVITS, TIJL, SUETENS, THOMAS, BALTES, MICHAEL

33: EP 31: 17198908.0 32: 2017-10-27

54: PROCESS FOR THE RECOVERY OF METALS FROM COBALT-BEARING MATERIALS

00: -

A process is divulged for the recovery of metals from a metal-bearing material containing, in oxidized form, more than 1% of Co, a total of Co and Ni of more than 15%, and more than 1% Mg, comprising the step of: - smelting said metal-bearing material in a bath furnace together with slag formers, thereby producing an alloy phase with more than 80%, preferably more than 90% of the Co, and less than 1% of the Mg, and a slag phase, by applying reducing smelting conditions, and by selecting CaO, SiO₂, and Al₂O₃ as slag formers, in amounts so as to obtain a final slag composition according to the ratio's $0.25 < \text{SiO}_2/\text{Al}_2\text{O}_3 < 2.5$, $0.5 < \text{SiO}_2/\text{CaO} < 2.5$, and to MgO > 10%; and, - separating the alloy phase from the slag phase. This process ensures the quantitative recovery of Co in an alloy phase along with other metals such as Ni, while collecting Mg into a slag. Being free of Mg, the obtained alloy can be economically refined by using hydrometallurgical

techniques, in particular for the preparation of precursors for use as cathode material in Li-ion batteries.

21: 2020/02482. 22: 2020/05/06. 43: 2021/09/14
51: B03D; C07C

71: CLARIANT INTERNATIONAL LTD

72: ARNDT, Matthias, PEDAIN, Klaus-Ulrich, MUELLER, Pia, SOLDUGA RAMIREZ, Gemma, SCHUNK, Yves, KOCHAN, Jozef

54: ESTERQUATS FOR THE FLOTATION OF NON-SULFIDIC MINERALS AND ORES, AND METHOD

00: -

The invention relates to esterquats which can be obtained by reacting di- or trialkanolamines with a mixture of fatty acids and polycarboxylic acids, and the esters obtained in this manner are then quaternized with an alkylating agent, wherein the di- or trialkanolamines correspond to formula (I), in which R1 and R2 independently of one another represent hydroxyalkyl groups with 1 to 20 carbon atoms, hydroxyalkenyl groups with 2 to 20 carbon atoms and 1, 2, or 3 double bonds, or addition products of 1 to 20 mol ethylene oxide on a hydroxyethyl group and R3 represents hydrogen, an alkyl group with 1 to 20 carbon atoms, an alkenyl group with 2 to 20 carbon atoms and 1, 2, or 3 double bonds, a hydroxyalkyl group with 1 to 20 carbon atoms, a hydroxyalkenyl group with 2 to 20 carbon atoms and 1, 2, or 3 double bonds, or addition products of 1 to 20 mol ethylene oxide on a hydroxyethyl group; the fatty acids correspond to formula (II), in which R4 represents an aliphatic, linear, or branched hydrocarbon group with 5 to 29 carbon atoms and 0, 1, 2, or 3 double bonds; and the polycarboxylic acids correspond to formula (III), in which Y represents a carbon atom or a saturated or unsaturated aliphatic hydrocarbon group with 2 to 5 carbon atoms, said group optionally having one or more hydroxyl groups, and X represents hydrogen or a hydroxy- or carboxylic acid group. The invention also relates to the use of said esterquats as collectors for the flotation of non-sulfidic minerals.

21: 2020/02487. 22: 2020/05/06. 43: 2021/09/06
51: B32B; E04B; E04D

71: BMI STEILDACH GMBH

72: SIMONIS, UDO, GLÜCK, JOHANNES

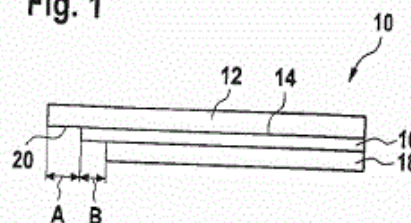
33: DE 31: 10 2017 124 619.3 32: 2017-10-20

54: EDIFICE SEALING WEB, AND PROCESS FOR MANUFACTURING SAME

00: -

The invention relates to an edifice sealing web (10) comprising a sealing web (12) facing away from the edifice, an adjoining barrier layer (16) which extends on the side facing the edifice and is based on mixtures of homopolyamides and/or copolyamides, and a self-adhesive layer (18).

Fig. 1



21: 2020/02488. 22: 2020/05/06. 43: 2021/09/06
51: F26B

71: ETEX BUILDING PERFORMANCE INTERNATIONAL SAS

72: MOESCH, PIERRE, RIGAUDON, MICHEL

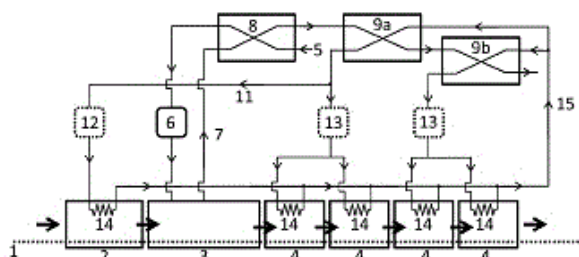
33: EP 31: 17306648.1 32: 2017-11-28

54: SHEET DRYING METHOD AND ARRANGEMENT

00: -

Provided herein is a method for drying sheet materials, comprising (i) advancing sheets to be dried along a path; (ii) heating a first drying medium (5) to a temperature above 140°C via first heating means (6), and directing the heated first drying medium to said sheets in a hot drying zone (3); and (iii) recovering heat from exhaust drying medium (7) of said hot drying zone (3) via a series of two or more heat recovery means (9a, 9b) and using the recovered heat for heating a second drying medium to a temperature below the temperature of said first drying medium without additional heating means, and directing the heated second drying medium to said sheets in a plurality of warm drying zones (4) downstream of said hot drying zone (3), wherein the cooled exhaust drying medium from upstream heat recovery means (9a) is passed over downstream recovery means (9b) and for each of said two or more heat recovery means (9a, 9b), the recovered heat is directed to one or more warm drying zones (4) associated with that heat recovery means (9a,

9b). Further provided herein is an arrangement for carrying out the present method.



21: 2020/02489. 22: 2020/05/06. 43: 2021/09/06

51: H04B; H04W

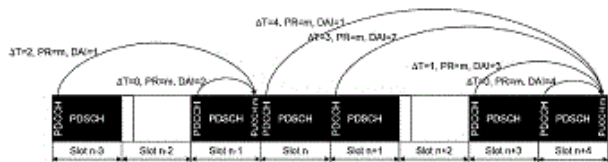
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: BALDEMAIR, ROBERT, CHEN LARSSON, DANIEL

54: ACKNOWLEDGEMENT SIGNALING FOR RADIO ACCESS NETWORKS

00: -

There is disclosed a method of operating a feedback radio node (10, 100) in a radio access network, the feedback radio node (10, 100) being configured with a set of feedback codebooks. Each codebook of the set indicates an arrangement of one or more subpatterns of feedback bits into feedback information. The method comprises transmitting feedback signaling representing feedback information determined based on a codebook selected from the set of feedback codebooks. The disclosure also pertains to related methods and devices.



21: 2020/02490. 22: 2020/05/06. 43: 2021/09/14

51: A61K

71: BIT PHARMA GMBH

72: ADAGE, TIZIANA

33: EP 31: 17204645.0 32: 2017-11-30

54: PROCESS AND DEVICE FOR PREPARING A SOLID DISPERSION

00: -

The present invention relates to a melt extrusion process for preparing a solid dispersion comprising a pharmaceutically active ingredient, a polymeric binder, and, optionally, one or more auxiliary agents, comprising a) in a batch-wise operation, placing a pre-determined amount of the polymeric binder, a pre-determined amount of the active ingredient, and, optionally, a pre-determined amount of the auxiliary agent(s) in a melting vessel; melting the polymeric binder with agitation to disperse the active ingredient in the polymeric binder to obtain a molten pre-dispersion; b) feeding the pre-dispersion into an extruder to homogenize the pre-dispersion and release a melt through a die; and c) allowing the melt to solidify.

21: 2020/02492. 22: 2020/05/06. 43: 2021/09/06

51: A61K; A61P; C07D

71: CHIESI FARMACEUTICI S.P.A.

72: SHERMAN, BERNARD CHARLES, SPINO, MICHAEL

33: US 31: 62/577,055 32: 2017-10-25

33: US 31: 62/596,043 32: 2017-12-07

54: DELAYED RELEASE DEFERIPRONE TABLETS AND METHODS OF USING THE SAME

00: -

The invention is directed to pharmaceutical compositions such as tablets that exhibit delayed release properties when administered as either whole or half tablets. The invention is also directed to delayed release tablets comprising deferiprone for oral administration, for which twice daily administration is bioequivalent to the same daily dose of an immediate release tablet administered thrice daily. The invention is also directed to methods of making and using the same.

21: 2020/02494. 22: 2020/05/06. 43: 2021/09/06

51: A61B

71: ATOMO DIAGNOSTICS PTY LIMITED

72: POSTLE, WILL, SUTTON, DAVID, GIJZEL, MARTIJN, CUSACK, DOUG, VAN DE SANDE, BARBARA, DAWSON, BENJAMIN

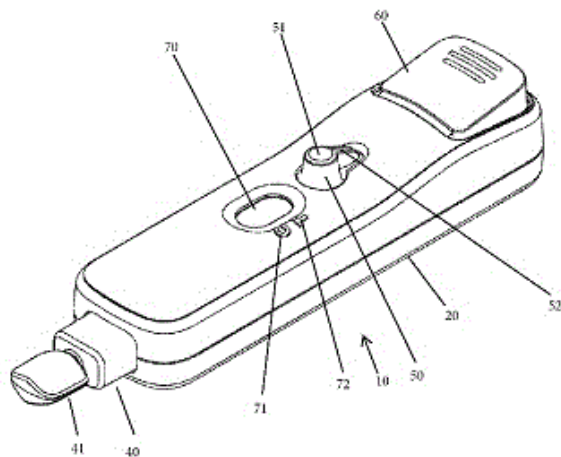
33: AU 31: 2017904127 32: 2017-10-12

54: INTEGRATED BLOOD TEST DEVICE

00: -

An integrated blood test unit including a blood collection recess, a test component, and a reservoir containing test fluid. The blood collection device moves to a delivery position under control of an

actuator, which also releases test fluid from the reservoir onto the test component. Additional features are a window over the test outcome indicator, a blood delivery channel that only operates if the sample size is large enough, and a geometry for a lancet and actuator that is adapted for a self test situation.



21: 2020/02496. 22: 2020/05/06. 43: 2021/09/06

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: LIN, ZHIPENG, IRUKULAPATI, NAGA VISHNU KANTH, GRÖVLEN, ASBJÖRN, SAHLIN, HENRIK

33: CN 31: PCT/CN2017/110528 32: 2017-11-10

54: TIMING ADVANCE OFFSET FOR UPLINK-DOWNLINK SWITCHING IN NEW RADIO

00: -

The embodiments herein relate to timing advance offset for uplink/downlink switching in New Radio (NR). In one embodiment, there proposes a method in a wireless communication device, comprising: determining a timing advance (TA) offset for uplink/downlink switching, wherein the TA offset is at least based on the time offset requirement for uplink/downlink switching in different scenarios used in communication between the wireless communication device and a network node; applying the determined TA offset in the uplink communication from the wireless communication device to the network node. With embodiments herein, uplink/downlink switching time for NR is defined.

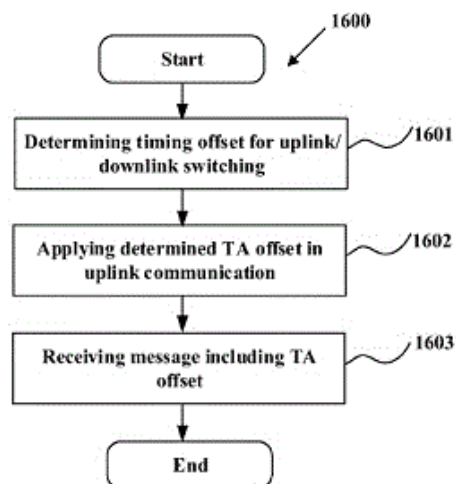


Figure 16

21: 2020/02497. 22: 2020/05/06. 43: 2021/09/06

51: A61K; A61Q; A01N

71: UNILEVER PLC

72: CORNMELL, ROBERT JOSEPH, JAMES, ALEXANDER GORDON, LUCKWELL, CRAIG JAMES, WATERFIELD, PHILIP CHRISTOPHER

33: EP 31: 17200556.3 32: 2017-11-08

54: ANTIMICROBIAL ANTIPERSPIRANT COMPOSITIONS

00: -

Use of an activated aluminium sesquichlorohydrate (AASCH) as an antimicrobial agent on the surface of human body, characterised in that the AASCH comprises aluminium sesquichlorohydrate, a water-soluble calcium salt and an amino acid.

21: 2020/02510. 22: 2020/05/07. 43: 2021/09/14

51: A61K

71: NEURIM PHARMACEUTICALS LTD.

72: LAUDON, Moshe, ZISAPEL, Nava

33: US 31: 62/415,014 32: 2016-10-31

54: MELATONIN MINI-TABLETS AND METHOD OF MANUFACTURING THE SAME

00: -

The instant invention is generally directed to a patient-friendly drug delivery system for targeted populations, such as pediatric and geriatric patients. Specifically, the present invention relates to a pharmaceutical composition in the form of mini-tablets. Even more specifically, the present invention relates to a pharmaceutical composition comprising

a therapeutically-effective amount of melatonin in the form of mini-tablets.

21: 2020/02511. 22: 2020/05/07. 43: 2021/09/08
51: A23K

71: WUHAN ACADEMY OF AGRICULTURAL SCIENCES, AGRICULTURE AND ANIMAL HUSBANDRY COMPREHENSIVE SERVICE CENTER OF NAIDONG DISTRICT, SHANNAN

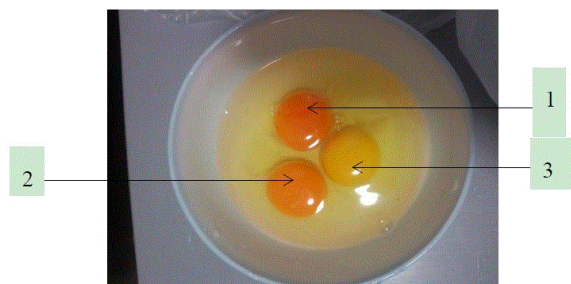
72: HE, Bin, SHAO, Yongfa, RAN, Zhiping, SUOLANG, Bazhu, BIANBA, Ciren, YANG, Wenhai, ZHOU, Hua, WU, Lijun, SHAO, Zhiyong, LIU, Wu, CHEN, Xiabing, NIMA, Cangjue, QU, Zhen, ZHE, Yonghui

33: CN 31: 201911226364.0 32: 2019-12-04

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR INCREASING EGG PRODUCTION OF POULTRY, PREPARATION METHOD AND USE THEREOF

00: -

The present invention belongs to the technical field of compound traditional Chinese veterinary medicine, and particularly discloses a traditional Chinese medicine (TCM) composition for increasing egg production of poultry, a preparation method and use thereof. The composition of the present invention includes Fructus Cannabis, Folium Artemisiae Argyi, Folium Pini, Sargassum, Herba Epimedii, Semen Cuscutae, Radix Angelicae Sinensis, Herba Cistanches, Radix Astragali seu Hedysari, Fructus Hordei Germinatus, garlic, Herba Artemisiae Annuae, Rhizoma Atractylodis, Rhizoma Ligustici Chuanxiong, Flos Caryophylli, Cortex Phellodendri, Rhizoma Dioscoreae, and Radix Glycyrrhizae.



21: 2020/02528. 22: 2020/05/07. 43: 2021/09/14
51: C08L

71: SHILPA MEDICARE LIMITED

72: RANGABHATLA GUNNESWARA SUBRAMANYA, Vara Prasad, RANGABHATLA, Sai Laxmi Aparna, AYALASOMAYAJULA, Ratna Phani
33: IN 31: 201741032141 32: 2017-09-12

54: TRANEXAMIC ACID SPRAY FOR KNEE ARTHROPLASTY

00: -

The present invention relates to novel formulations comprising a sprayable composition comprising tranexamic acid and chitosan for use in the treatment of wounds or injuries, in particular for use as a topical hemostatic composition or for surgical intervention and the process for preparation thereof.

21: 2020/02536. 22: 2020/05/07. 43: 2021/09/06
51: H04W; H04L

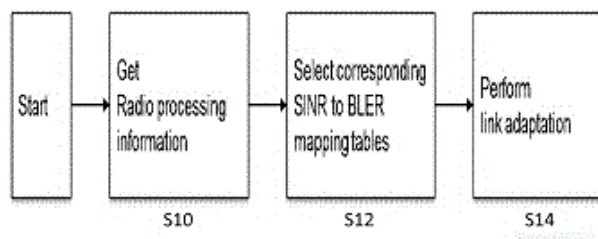
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: GARCIA, VIRGILE, JALDÉN, NIKLAS

54: LINK ADAPTION IN BEAM-FORMING RADIO ACCESS NETWORKS

00: -

There is disclosed a method of operating a radio node (10, 100) in a radio access network, the radio node (10, 100) being adapted for reception beamforming based on radio processing. The method comprises performing link adaptation based on a parametrisation of the radio processing. The disclosure also pertains to related methods and devices.



21: 2020/02538. 22: 2020/05/07. 43: 2021/09/06
51: H04R

71: HEARX IP (PTY) LTD., UNIVERSITY OF PRETORIA

72: VINCK, BART HUGO MATHILDE ELISABETH, SWANEPOEL, DANIEL CHRISTIAN DE WET, PAGE, HENDRÉ, VOORTMANS, STEFAN RENÉ
33: ZA 31: 2017/07546 32: 2017-11-08

54: A MONITORING DEVICE

00: -

The invention relates to a monitoring device 10 for monitoring exposure to sound. The monitoring device 10 includes an ear engaging member 12 which is shaped, sized and/or configured to engage and span an opening to an ear canal 16; a sound transmitter 18 which is configured to transmit sound via the ear engaging member 12 into the ear canal 16, when in use; and a sound sensor 20 which is configured to sense the sound transmitted into the ear canal 16 via the sound transmitter 18. The invention also relates to a monitoring system 100 which includes the monitoring device 10 and a processor 24 which is communicatively connected to the monitoring device 10. The processor 24 may be incorporated into a computing device, such as a computer or smart device 102.

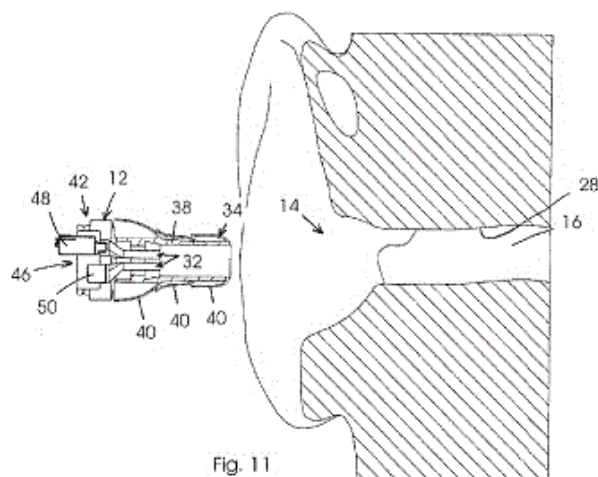


Fig. 11

21: 2020/02539. 22: 2020/05/07. 43: 2021/09/06
51: B01F
71: COATEX
72: CHAMPAGNE, CLÉMENTINE, SUAU, JEAN-MARC
33: FR 31: 1762696 32: 2017-12-21

54: SUBMICRONIC EMULSION

00: -

The invention relates to a process for preparing a dispersion of a lipophilic compound in a continuous hydrophilic phase, the morphology of which is submicronic. During the preparation of this dispersion, there is applied, by means of a device which produces a shearing gradient less than 5000 s^{-1} , a shear stress from 100 to 5000 Pa during the addition of the lipophilic compound in the continuous

phase which comprises a rheology-modifying compound selected from anionic copolymers, preferably an anionic polymer, in particular an ASE polymer or a HASE polymer. The dispersed particles of the lipophilic compound are nanometric particles whose size is less than $1 \mu\text{m}$. The dispersion, particularly in the form of an emulsion, can be used in numerous fields.

21: 2020/02541. 22: 2020/05/07. 43: 2021/09/06
51: F42B; F42D
71: COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES, DAVEY BICKFORD
72: BIAUD, LIONEL, DESPESSE, GHISLAIN, GUYON, FRANCK
33: FR 31: 1759416 32: 2017-10-09

54: WIRELESS ELECTRONIC DETONATOR

00: -

The invention relates to a wireless electronic detonator (100) which includes an energy source (1) and functional modules (2). The electronic detonator (100) includes: - first switching means (K_{10}) provided between the energy source (1) and the functional modules (2), making it possible to connect or not connect the energy source (1) to the functional modules (2); and - a control module (3) for controlling the first switching means, including a module for recovering radio energy (3b) configured to receive a radio signal coming from a control console, to recover the electric energy in the radio signal received, to generate an energy recovery signal (VRF) representative of the level of electric energy recovered, and to generate as output a control signal (VOUT) as a function of the recovered energy, said control signal controlling the first switching means (K_{10}).

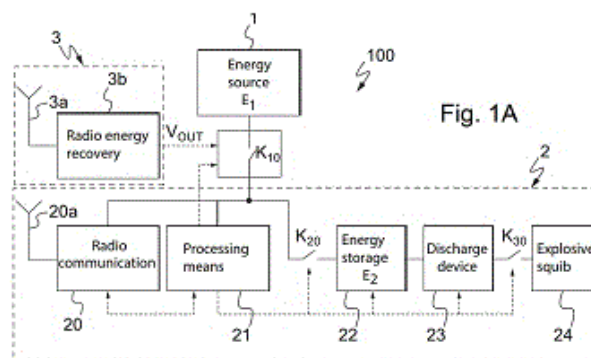


Fig. 1A

21: 2020/02543. 22: 2020/05/07. 43: 2021/09/06
51: A61K; A61P; C12N

71: EVOX THERAPEUTICS LTD

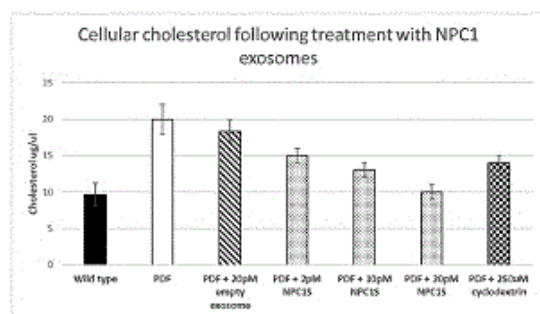
72: HEAN, JUSTIN, LUNDIN, PER, GÖRGENS, ANDRÉ

33: GB 31: 1718681.8 32: 2017-11-13

54: PROTEIN ENGINEERED EXTRACELLULAR VESICLES

00: -

The present invention relates to extracellular vesicles (EVs) as a novel therapeutic approach to lysosomal storage disorders (LSD). More specifically, the invention relates to the use of various protein engineering strategies for improving loading of hard-to-load LSD-related proteins and targeting of the resultant EVs to tissues and organs of interest.



21: 2020/02544. 22: 2020/05/07. 43: 2021/09/06
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: PAKNIAT, PARISA, DA SILVA, ICARO L J, MILDH, GUNNAR

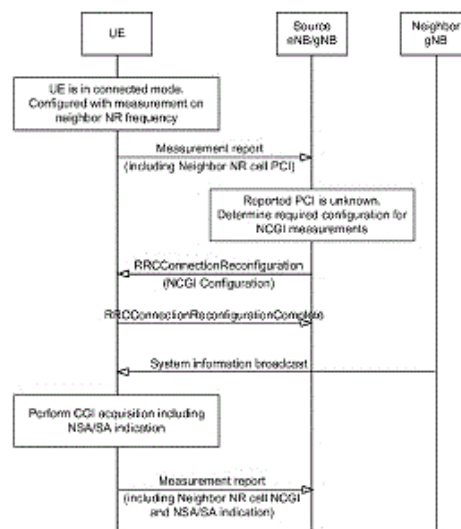
33: US 31: 62/570341 32: 2017-10-10

54: REPORT NSA/SA NR INDICATOR

00: -

A wireless device configured to acquire network support information associated with a neighbor cell, wherein the network support information indicates that the neighbor cell supports a Stand-Alone (SA) mode of operation and/or a Non-Stand-Alone (NSA) mode of operation; and transmit to a serving network node a report comprising identification information associated with the neighbour cell and the network support information indicating that the neighbor cell supports a SA mode of operation and/or a NSA mode of operation. A serving network node configured to receive a report transmitted by a

wireless device, wherein the report comprises identification information associated with the neighbor cell and network support information indicating that the neighbor cell supports a Stand-Alone (SA) mode of operation and/or a Non-Stand-Alone (NSA) mode of operation; and determine, based on the report, a type of interface to establish between the serving network node and the neighbor network node.



21: 2020/02545. 22: 2020/05/07. 43: 2021/09/06
51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: WILHELMSSON, LEIF, DEL CARPIO VEGA, LUIS FELIPE, DI TARANTO, ROCCO, LOPEZ, MIGUEL, PEDDIREDY, DIVYA, SUNDMAN, DENNIS

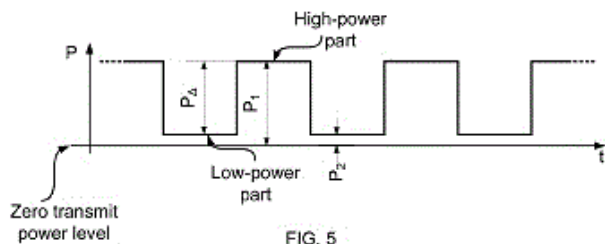
33: US 31: 62/574,464 32: 2017-10-19

54: TRANSMITTER, NETWORK NODE, METHOD AND COMPUTER PROGRAM FOR TRANSMITTING BINARY INFORMATION

00: -

A transmitter is arranged to transmit binary information using a binary amplitude shift keying where information symbols are represented by a signal including a first power state and a second power state. The first power state has a higher signal power than the second power state. A ratio in powers between the first and second power states is below a first value. The ratio in powers between the first and second power states is above a second value such that the states are distinguishably

decodable. A network node comprising such a transmitter, a corresponding method, and a computer program for implementing the method in a transmitter are also disclosed.



21: 2020/02547. 22: 2020/05/07. 43: 2021/09/14
51: C11D

71: UNILEVER PLC

72: GREEN, ANDREW DAVID, PARRY, ALYN JAMES, ROGERS, SUSANNE HENNING

33: EP 31: 17202408.5 32: 2017-11-17

54: SOIL RELEASE POLYMERS AND LAUNDRY DETERGENT COMPOSITIONS CONTAINING THEM

00: -

The invention provides a polymer providing soil release properties (also termed a "soil release polymer" or SRP) when incorporated in a laundry detergent composition, the polymer comprising a capped polyoxyalkylene end block connected to a polyester segment; the polyester segment comprising alternating -B¹-A-B²- and -R- units; in which B¹ and B² are each independently selected from -OC(O)- and -C(O)O- groups; A is a 2,5-furanylene ring and R is a divalent alkylene radical. The polymer provides good compatibility, stability and cleaning performance when incorporated into a laundry detergent composition, preferably a liquid laundry detergent composition, comprising one or more deterative surfactants.

21: 2020/02548. 22: 2020/05/07. 43: 2021/09/06
51: C11D

71: UNILEVER PLC

72: ZHU, HU, ZHANG, HONG, LI, HUI, LANG, DIETMAR ANDREAS, THOMPSON, MARK LAWRENCE

33: CN 31: PCT/CN2017/114032 32: 2017-11-30

33: EP 31: 18151963.8 32: 2018-01-16

54: DETERGENT COMPOSITION COMPRISING PROTEASE

00: -

The invention provides a detergent composition comprising: (i) from 1 to 60 wt.%, preferably from 2 to 50, more preferably from 4 to 50 wt.% of surfactant; (ii) from 0.0005 to 1 wt.%, preferably from 0.005 to 0.6 wt.% of a protease enzyme having at least 90% sequence identity to SEQ ID NO: 1; and to a method, and use, in improving enzymatic cleaning in water utilising said protease.

21: 2020/02549. 22: 2020/05/07. 43: 2021/09/06

51: A61J; A61K; B32B

71: SUN PHARMACEUTICAL INDUSTRIES LIMITED

72: SAMARTH KUMAR, KARSHANBHAI RAMAJI VARU, NISHIT PATEL, PRASHANT KANE, SUBHAS BALARAM BHOWMICK

33: IN 31: 201721035954 32: 2017-10-10

54: INTRAVENOUS INFUSION DOSAGE FORM FOR PEMETREXED

00: -

The present invention relates to an intravenous infusion dosage form comprising: an aqueous solution of pemetrexed or its pharmaceutically acceptable salt at a concentration ranging from 1.0 mg/ml to 20.0 mg/ml present in a multilayered flexible plastic infusion container, wherein the multilayered flexible plastic infusion container has an oxygen scavenger layer sandwiched between an outermost and an innermost layer of the container, the container being free of a polyamide and wherein the multilayered flexible plastic infusion container filled with the aqueous solution of pemetrexed is autoclavable.

21: 2020/02561. 22: 2020/05/08. 43: 2021/09/06

51: H04L H04W

71: NOKIA TECHNOLOGIES OY

72: LIU, Jennifer

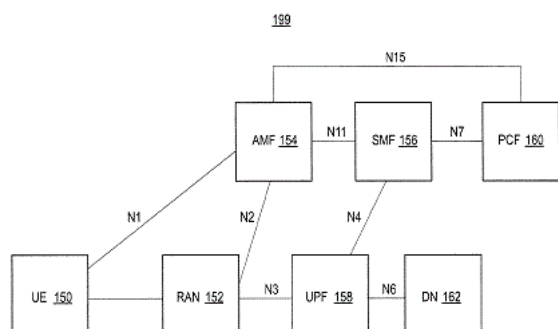
33: US 31: 62/572,291 32: 2017-10-13

54: METHOD FOR QOS CAPABILITY NEGOTIATION BETWEEN A USER EQUIPMENT AND A SESSION MANAGEMENT FUNCTION IN A 5G SYSTEM

00: -

In some example embodiments, there may be provided a method that includes forming, by a user equipment, a session establishment message including an indication of at least one session management capability supported by the user equipment; sending, by the user equipment, the

session establishment message including the indication towards a session management function; and receiving, by the user equipment and from the session management function, a response indicative of whether the session management function and/or a corresponding network supports the at least one session management capability to enable the user equipment to operate in accordance with the at least one session management capability. Related systems, methods, and articles of manufacture are also described.



21: 2020/02582. 22: 2020/05/08. 43: 2021/09/06
51: G09G; G01J

71: GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.

72: ZHANG, HAIPING, ZHOU, YIBAO

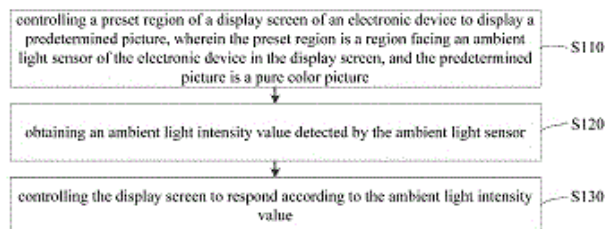
33: CN 31: 201711176966.0 32: 2017-11-22

54: METHOD FOR DETECTING AMBIENT LIGHT INTENSITY, STORAGE MEDIUM AND ELECTRONIC DEVICE

00: -

A method for detecting ambient light intensity, a storage medium and an electronic device (100) are provided. The method includes: controlling a preset region (23) of a display screen (20) of the electronic device (100) to display a predetermined picture, wherein the preset region (23) is a region facing an ambient light sensor (50) of the electronic device (100) in the display screen (20), and the predetermined picture is a pure color picture (S110); obtaining an ambient light intensity value detected by the ambient light sensor (50) (S120); controlling the display screen (20) to respond according to the ambient light intensity value (S130). Because the preset region (23) of the display screen (20) is controlled to display the predetermined picture, light emitted from the preset region (23) to the ambient

light sensor (50) is reduced. Thus, influence of the display screen (20) on the ambient light sensor (50) may be reduced, and detection accuracy of the ambient light sensor (50) may be improved.



21: 2020/02583. 22: 2020/05/08. 43: 2021/09/06
51: H04M

71: GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.

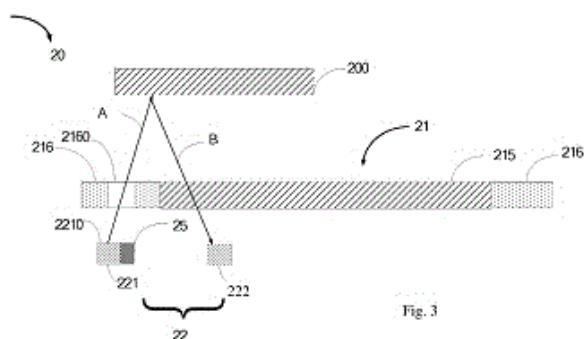
72: ZHANG, HAIPING, ZHOU, YIBAO

33: CN 31: 201711176964.1 32: 2017-11-22

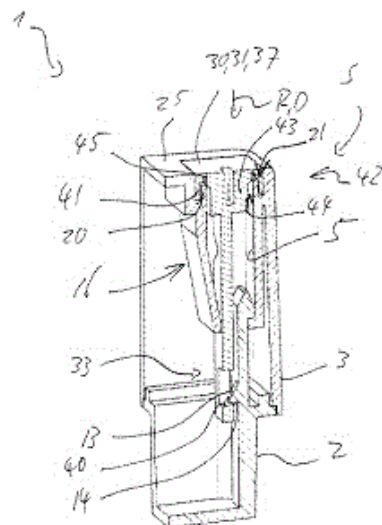
54: DISPLAY SCREEN COMPONENT AND ELECTRONIC DEVICE

00: -

A display screen component and an electronic device are provided. The display screen component includes a display screen and a sensor unit arranged at a side of the display screen. The display screen includes a display area and a non-display area. The sensor unit includes a signal emitter and a signal receiver, the signal emitter is arranged at a side of the non-display area, and the signal receiver is arranged at a side of the display area. The non-display area includes a functional portion, the signal emitter is configured to emit a detecting signal to outside through the functional portion and the signal receiver is configured to receive a reflected signal from the outside through the display screen, in which the detecting signal is changed into the reflected signal after being reflected by an external object.



which are secured against each other by means of a latching connection (6). The aim of the invention is to protect the latching connection (6) from an unauthorized opening. According to the invention, this is achieved in that a latching device (4) has a retaining element (13), and a securing device (30) is additionally provided in order to secure the latching connection (6) from an unauthorized opening, wherein the securing device (30) has a counter retaining element (33) for the retaining element (13).



21: 2020/02586. 22: 2020/05/08. 43: 2021/09/06

51: B65D

71: UNILEVER PLC

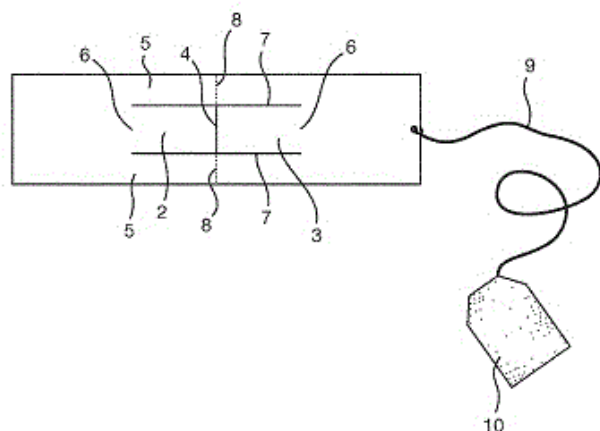
72: KING, ALEXANDRA MARY

33: EP 31: 17200724.7 32: 2017-11-09

54: TAG FOR A TEABAG

00: -

The invention relates to a tag to secure a string of a tea bag to a handle of a teapot, the tag being flexible and resilient and comprising at least two adjacent areas separated by a cut that are partially separable from the tag.



21: 2020/02589. 22: 2020/05/08. 43: 2021/09/06

51: G09G

71: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.

72: ZHANG, HAIPING, ZHOU, YIBAO

33: CN 31: 201711174672.4 32: 2017-11-22

54: DISPLAY SCREEN AND ELECTRONIC DEVICE

00: -

Embodiments of the present disclosure provide a display screen and an electronic device. The display screen includes a functional area. The functional area is configured to achieve a function of the electronic device and includes a plurality of pixel points. The plurality of pixel points defines a gap area therebetween. The display screen further includes a signal emitter received in the gap area.

21: 2020/02587. 22: 2020/05/08. 43: 2021/09/06

51: G01R

71: LANDIS+GYR AG

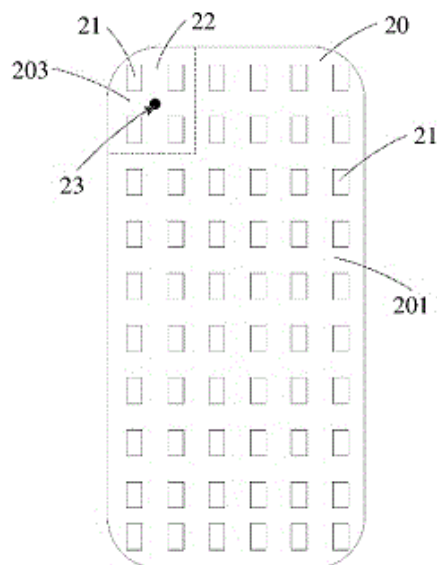
72: PETERHANS, RETO

33: CH 31: 01259/17 32: 2017-10-16

54: MULTIPART HOUSING FOR CONSUMPTION METERS, AND A SECURING DEVICE FOR MULTIPART HOUSINGS

00: -

The invention relates to a multipart housing (1) comprising a first and a second housing part (2, 3)



21: 2020/02591. 22: 2020/05/08. 43: 2021/09/06
51: H04M

71: GUANGDONG OPPO MOBILE
TELECOMMUNICATIONS CORP., LTD.

72: ZHANG, HAIPING, ZHOU, YIBAO

33: CN 31: 201711175972.4 32: 2017-11-22

**54: DISPLAY SCREEN COMPONENT AND
ELECTRONIC DEVICE**

00: -

Embodiments of the present disclosure provide a display screen component and an electronic device. The display screen component includes a display screen and an ambient-light sensor. The ambient-light sensor is oriented towards a periphery of the display screen, and is configured to sense an intensity of an ambient light incident on the ambient-light sensor from the periphery of the display screen.

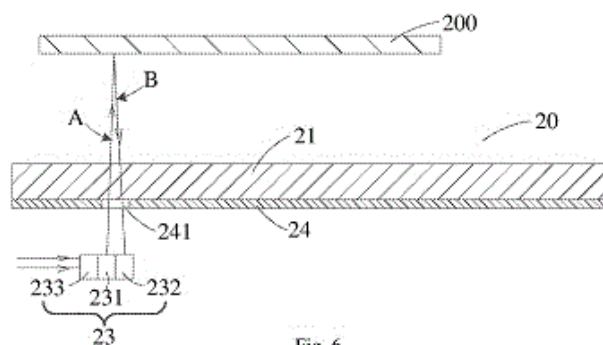


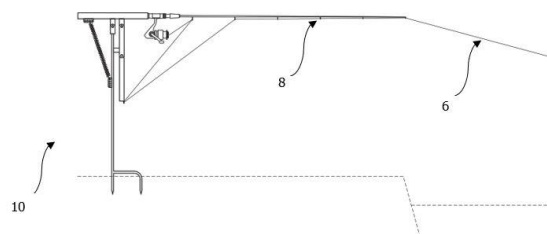
Fig. 6

21: 2020/02633. 22: 2020/05/12. 43: 2021/09/02
51: A01K

71: FERREIRA, Francois Alwyn, NEL, Pieter Willem
72: FERREIRA, Francois Alwyn, NEL, Pieter Willem
**54: AUTOGENOUS FISHING APPARATUS AND
METHOD OF USING SAME**

00: -

A fishing line monitoring device, more particularly, an autogenous fishing apparatus and its associated method of use is disclosed. The apparatus comprises a holder for holding the fishing rod; stabilization means for stabilizing the apparatus relative to the ground; a supporting body extending between the securement means and the holder; and actuating means for displacing the holder from an activated configuration, wherein the fishing rod extends towards water, and an inactivated configuration, wherein the fishing rod extends upwardly into the sky.



21: 2020/02635. 22: 2020/05/12. 43: 2021/09/14
51: A61K; A61P; C07K

71: Amgen Inc.

72: CHAN, Joyce Chi Yee, GIBBS, John P., DIAS, Clapton S., WASSERMAN, Scott, SCOTT, Robert Andrew Donald, CLOGSTON, Christi L., OSSLUND, Timothy David, STEIN, Evan A.

33: US 31: 61/484,610 32: 2011-05-10

**54: METHODS OF TREATING OR PREVENTING
CHOLESTEROL RELATED DISORDERS**

00: -

The present invention relates to methods of treating or preventing cholesterol related disorders, such as hypercholesterolemia, hyperlipidemia or dyslipidemia, using antibodies against proprotein convertase subtilisin/kexin type 9 (PCSK9). Formulations and methods of producing said formulations are also described.

21: 2020/02654. 22: 2020/05/11. 43: 2021/09/06
51: B65D

71: TCHIBO GMBH

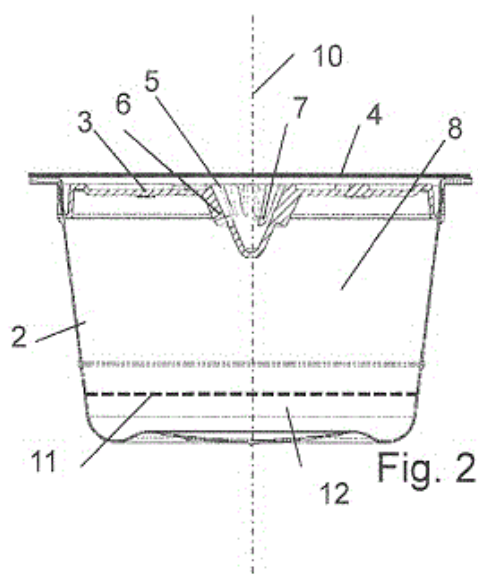
72: BRÖCKEL, JENS, BALKAU, WERNER

33: EP 31: 17196687.2 32: 2017-10-16

54: SINGLE-SERVE CAPSULE

00: -

The invention relates to a single-serve capsule comprising an outer cup (2) having a lid (4) and having a chamber (8) designed in the interior of the cup, said chamber comprising a soluble substance and a centre axis (10). An injection element (3) is also provided which delimits the chamber (8) with respect to a cover side or a bottom side and which has at least one injection opening (7). The injection opening is designed such that liquid conveyed through the opening towards the chamber is injected in a jet into the chamber, said jet extending in a plane running through the centre axis (10) and at an angle to the centre axis.



21: 2020/02657. 22: 2020/05/11. 43: 2021/09/06

51: A61B

71: DEVELOPER AB

72: UNGERSTEDT, JOHAN

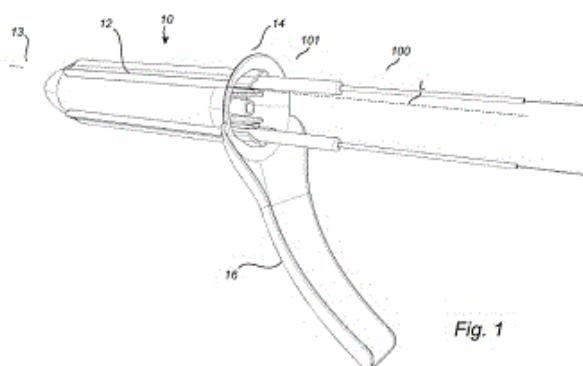
33: SE 31: 1751278-1 32: 2017-10-13

54: DEVICE FOR USE IN THE TREATMENT OF HEMORRHOIDS

00: -

The present invention relates to a device (10) for use in the treatment of hemorrhoids. The device comprises: an elongated tube-shaped element (12) comprising a forward end (13) and an aft end (14), said aft end (14) is open such that the interior of the tube-shaped element is accessible via the aft end, said tube-shaped element is extending along a longitudinal axis L and comprises at least one

opening (15) formed between the forward and aft end; and an anal mucosa support device (20) removably arranged within the tube shape element, said support device is, when arranged in the tube-shaped element, exposed in the opening and comprises a least two cavities (23, 24) for the anal mucosa arranged along the longitudinal axis L, wherein a needle guide structure is formed in the elongated tube-shaped element and the anal mucosa support device such that a needle (100) is guided during movement within the tube shaped element from an extracted position in which the needle is arranged outside the opening in the elongated tube-shaped element through the at least two cavities in the anal mucosa support device to a position where the needle extends across the opening in the tube-shaped element.



21: 2020/02660. 22: 2020/05/11. 43: 2021/09/06

51: H04W

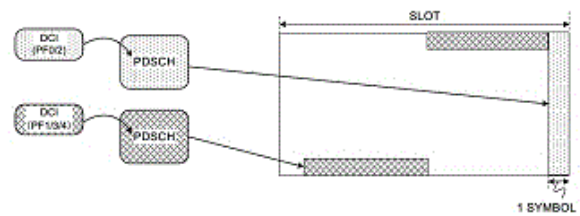
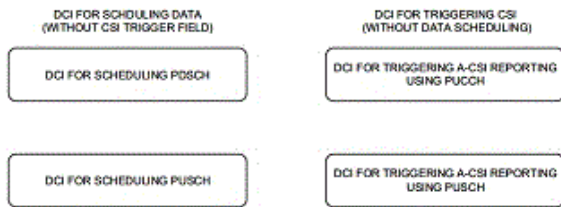
71: NTT DOCOMO, INC.

72: TAKEDA, KAZUKI, NAGATA, SATOSHI, NA, CHONGNING, WANG, LIHUI

54: USER TERMINAL AND RADIO COMMUNICATION METHOD

00: -

To appropriately control CSI reporting even in a case of performing CSI reporting by employing a method different from ones for existing LTE systems, one aspect of a user terminal of the present invention includes a transmitting section that transmits channel state information, and a control section that controls transmission of the channel state information by using certain downlink control information indicating trigger and/or activation of channel state information without scheduling data.



21: 2020/02661. 22: 2020/05/11. 43: 2021/09/06
51: C12N; A61K; C07K

71: JURA BIO, INC.

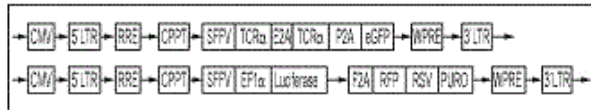
72: NORVILLE, JULIE, WOOD, ELIZABETH

33: US 31: 62/584,449 32: 2017-11-10

54: MAJOR HISTOCOMPATIBILITY COMPLEX-BASED CHIMERIC RECEPTORS AND USES THEREOF FOR TREATING AUTOIMMUNE DISEASES

00: -

Major histocompatibility complex-based chimeric receptors (MHC-CAR) for use in targeting autoreactive immune cells. Also provided herewith are genetically engineered immune cells expressing the MHC-CAR for use in treating autoimmune diseases such as multiple sclerosis.



21: 2020/02662. 22: 2020/05/11. 43: 2021/09/06
51: H04L

71: NTT DOCOMO, INC.

72: TAKEDA, KAZUKI, NAGATA, SATOSHI, WANG, LIHUI, HOU, XIAOLIN

54: USER TERMINAL AND RADIO COMMUNICATION METHOD

00: -

A user terminal according to the present invention includes: a transmitting section that transmits Uplink Control Information (UCI) including at least one of retransmission control information for a downlink data channel, a Scheduling Request (SR) and Channel State Information (CSI); and a control section that controls the transmission of the UCI when a first uplink control channel and a second uplink control channel having a longer duration than that of the first uplink control channel are subjected to time division multiplexing in one or more slots.

21: 2020/02672 22: 2020/05/12 43: 2021-09-14
51: E21D

71: J-LOK CO.

72: FAULKNER, Dakota, WEAVER, Michael, CRABLE, Mark

33: US 31: 62/584,461 32: 2017-11-10

33: US 31: 16/182,994 32: 2018-11-07

54: HYDRAULIC AND CONTROL SYSTEM FOR RESIN INJECTION

57: A pumpable resin system for installation of mine bolts includes a resin injection cylinder comprising a resin chamber and a resin hydraulic cylinder, a catalyst injection cylinder including a catalyst chamber and a catalyst hydraulic cylinder, with the resin hydraulic cylinder synchronized with the catalyst hydraulic cylinder, a hydraulic pump in fluid communication with the resin hydraulic cylinder and the catalyst hydraulic cylinder, a hydraulic reservoir in fluid communication with the hydraulic pump, and a delivery line in fluid communication with the resin injection cylinder and the catalyst injection cylinder. The delivery line is configured to deliver resin and catalyst from the resin injection cylinder and catalyst injection cylinder into a borehole.

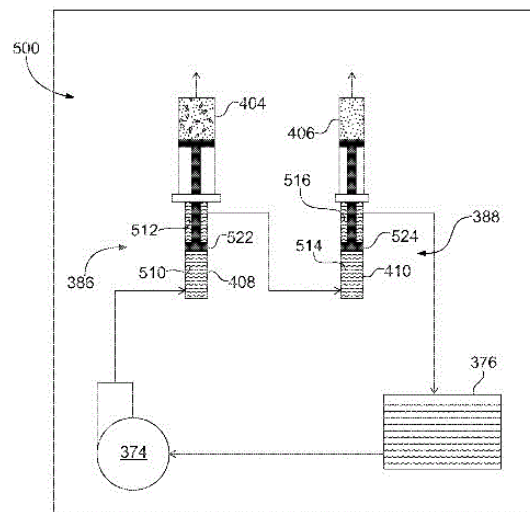


FIG. 39

21: 2020/02677. 22: 2020/05/12. 43: 2021/09/06

51: A61K; A61P

71: FAES FARMA, S.A.

72: HERNÁNDEZ HERRERO, GONZALO,
GONZALO GOROSTIZA, ANA, GARCÍA
DOMÍNGUEZ, NEFTALÍ, ZAZPE ARCE, ARTURO,
MORÁN POLADURA, PABLO, GONZÁLEZ
GARCÍA, TANIA

33: EP 31: 17382686.8 32: 2017-10-16

**54: AQUEOUS COMPOSITIONS COMPRISING
BILASTINE AND MOMETASONE**

00: -

The invention relates to an aqueous pharmaceutical composition comprising: a) bilastine or a pharmaceutically acceptable salt or solvate thereof, b) mometasone, or a pharmaceutically acceptable derivative thereof, c) a suspending agent, and d) 2-hydroxypropyl- β -cyclodextrin; wherein the pH of the aqueous pharmaceutical composition is between 3.5 and 5.5, and wherein the content of 2-hydroxypropyl- β -cyclodextrin is less than 8.5% by weight. The invention also relates to said compositions for use in the treatment and/or prevention of a disorder or disease susceptible to amelioration by antagonism of H₁ histamine receptor and/or of a corticosteroid-responsive disease through nasal administration. The invention also relates to a process for preparing the aqueous pharmaceutical composition above mentioned.

21: 2020/02679. 22: 2020/05/12. 43: 2021/09/06

51: C02F

71: CONSIGLIO NAZIONALE DELLE RICERCHE,
CISA S.P.A.

72: DI IACONI, CLAUDIO, DE SANCTIS, MARCO,
FERRARA, LORENZO

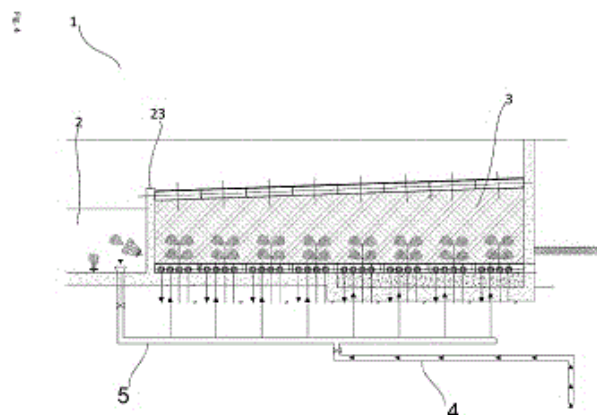
33: IT 31: 102017000130809 32: 2017-11-16

**54: PLANT AND METHOD FOR TREATING
URBAN WASTE WATER**

00: -

Urban waste water treatment plant, comprising: a tank (1) subdivided in at least two distinct portions (2, 3), said at least two distinct portions (2, 3) comprising at least an accumulation area of the sludge (2) and at least an accumulation area of the liquid phase (3); at least a feeding pipe of the waste water to be treated; at least a recirculation pipe of the liquid phase; at least a discharge pipe of the effluent treated, withdrawn from said at least one area of the liquid phase (3), characterized in that said feeding pipe of the waste water to be treated is

configured so that the waste water is inlet on the bottom of said at least one sludge area and in discontinuous mode; inside said at least one sludge area (2) it is provided porous material, contained between two containment planes, configured to allow the filtration of the waste water with removal of the suspended material; said tank (1) is subdivided in said at least two distinct portions by means of one or more vertical partitions (23) lower than the walls of the tank (1), so that the liquid from which the suspended material was removed in said at least one sludge area (2) can overflow from said at least one sludge area (2) to said at least one liquid phase area (3); the bottom of said at least one liquid phase area (3) is connected with the bottom of said at least one sludge area (2) by means of a pipe and pumping means which allow the liquid to recirculate from the bottom of the liquid phase area (3) to the bottom of the sludge area (2).



21: 2020/02682. 22: 2020/05/12. 43: 2021/09/06

51: A23L; A23P

71: UNILEVER PLC

72: SAILER, WINFRIED, SCHÄNZEL, MONIKA
RENATE

33: EP 31: 17198047.7 32: 2017-10-24

**54: SHAPED, COMPOSITE SAVOURY
CONCENTRATE COMPRISING GEL PIECES**

00: -

The present invention relates to a prism shaped, composite savoury concentrate, comprising at least 35 wt.% of gel pieces and 0.2-55 wt.% of tissue-based food particles based on total weight of the concentrate; said savoury composite food product having the following composition: - 20-75 wt.% water; - 0.1-40 wt.% of taste contributing

components selected from glutamic acid, 5'-ribonucleotides, sucrose, glucose, fructose, lactose, lactic acid, citric acid, acetic acid and combinations thereof; - 0.5-20% by weight of water of gelling agent; - 35-1100 mmol per 100 g of food product of alkalimetal cation selected from Na⁺, K⁺ and combinations thereof. The shaped, composite savoury concentrate can be provided in various attractive forms and textures. The concentrate can suitably be applied as an add-in or as a concentrate in the preparation of a sauce, bouillon, or a gravy or a soup.

21: 2020/02684. 22: 2020/05/12. 43: 2021/09/06
51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

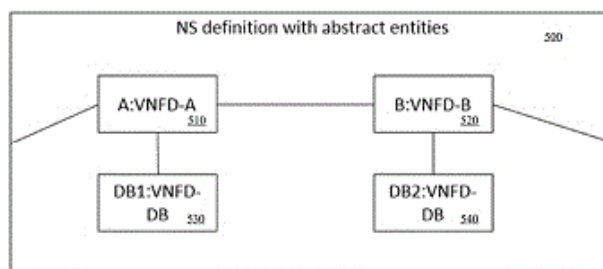
72: TOEROE, MARIA, CHU, HAIBIN

33: US 31: 62/576,417 32: 2017-10-24

54: METHODS FOR DEFINING A NETWORK SERVICE DESCRIPTOR (NSD) FOR A NETWORK SERVICE (NS), AND NETWORK FUNCTIONS VIRTUALIZATION (NFV) ORCHESTRATOR (NFVO) USING SAID NSD

00: -

There are provided methods for defining a Network Service Descriptor (NSD) for a Network Service (NS), and Network Functions Virtualization (NFV) Orchestrator (NFVO) using said NSD. The NSD comprises zero, one or more of each of: a Virtualized Network Function (VNF) Descriptor (VNFD), a Physical Network Function (PNF) Descriptor (PNFD), a Network Service Descriptor (NSD), a Virtual Link (VL) Descriptor (VLD), and a VNF Forwarding Graph Descriptor (VNFFGD). One method comprising the step of defining at least one Connection Points (CP) Profile, wherein the CP Profile is referenced through a cpProfileId in a Network Forwarding Path Descriptor (NFPD) attribute of the VNFFGD, the CP Profile specifying a Connection Point Descriptor (CPD) or Service Access Point Descriptor (SAPD) for a given VnfProfile, PnfProfile or NsProfile.



21: 2020/02687. 22: 2020/05/12. 43: 2021/09/06

51: H01H

71: SCHALTBAU GMBH

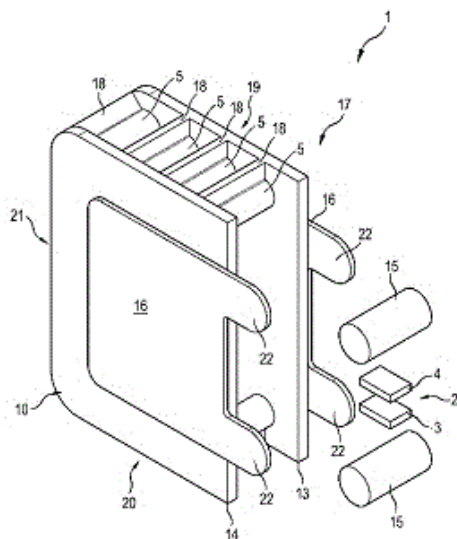
72: KRALIK, ROBERT, HAMMERL, DANIEL

33: DE 31: 10 2017 125 260.6 32: 2017-10-27

54: ELECTRICAL SWITCHING APPARATUS COMPRISING AN IMPROVED ARC-QUENCHING DEVICE

00: -

The present invention relates to an electrical switching apparatus having at least one contact point, an arc-quenching device associated with the contact point, and an arc-blowing device to generate a magnetic blowout field. The arc-quenching device comprises a plurality of quenching elements, which are arranged distributed and spaced from each other in a first direction, wherein the quenching elements each comprise a permanent magnet. The arc arising when the contact point is opened is blown away from the contact point towards the quenching elements by the magnetic blowout field. The magnetic blowout field is at least partially generated or supported by the permanent magnets of the quenching elements. According to the invention, the permanent magnets of the quenching elements are offset with respect to each other in a second direction that is perpendicular to the first direction.



21: 2020/02689. 22: 2020/05/12. 43: 2021/09/14
51: A61K; A61P

71: Debiopharm Research & Manufacturing S.A.
72: MUTTER, Manfred, BELLOCQ, Nathalie,
BIASSE, Daniel, RAZANAME, Alain, MARX, Léo,
CHARDONNENS, Christophe, GARROUSTE,
Patrick

33: EP(CH) 31: 17201589.3 32: 2017-11-14

**54: LIGAND-DRUG-CONJUGATES AS
SUBSTRATES FOR SELECTIVE CLEAVAGE BY
THE EXOPEPTIDASE ACTIVITY OF CATHEPSIN
B**

00: -

The present invention relates to ligand-drug-conjugates for the treatment of disease. In particular, the present invention relates to ligand-drug-conjugates comprising a linker system, which is selectively recognized and cleaved by the exopeptidase (i.e. carboxy dipeptidase) activity of Cathepsin B, resulting in improved intracellular delivery of a drug to a target cell. The present invention also relates to ligand-drug-conjugates for the intracellular delivery of cytotoxic agents in tumor cells.

21: 2020/02728. 22: 2020/05/13. 43: 2021/09/06
51: B22D

71: VESUVIUS GROUP, S.A.

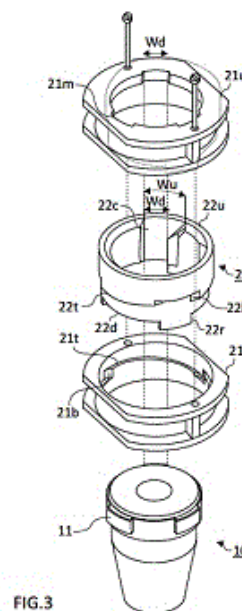
72: SIBIET, FABRICE

33: EP 31: 17200984.7 32: 2017-11-10

**54: BOTTOM PLATE ASSEMBLY COMPRISING A
BAYONET FREE COLLECTOR NOZZLE**

00: -

The present invention concerns a gate for metallurgic vessels provided with a collector nozzle coupled to bottom plate assembly of the gate. The bottom plate assembly of the present invention allows a collector nozzle to be coupled to a bottom gate plate without need of a separate bayonet ring. The bayonet ring is integrated to the bottom plate assembly, allowing a collector nozzle to be mounted by a single robot, or by a single operator more easily than existing systems.



21: 2020/02735. 22: 2020/05/13. 43: 2021/09/06
51: A61K; A61Q

71: UNILEVER PLC

72: LIU, JINGJING, PI, YINGYING, SUBRAMANIAN,
RAGHUPATHI

33: CN 31: PCT/CN2017/111671 32: 2017-11-17

33: EP 31: 17207292.8 32: 2017-12-14

54: HAIR CARE COMPOSITION

00: -

A hair care composition is disclosed comprising a cationically modified guar polymer having a cationic degree of substitution of from 0.35 to 0.70, an ethoxylated alkyl sulfate anionic surfactant having a formula $RO(CH_2CH_2O)_nSO_3M$, wherein R is an alkyl or alkenyl group having from 8 to 18 carbon atoms; M is a solubilising cation comprising sodium, potassium, 5 ammonium, substituted ammonium or mixtures thereof; n is the degree of ethoxylation of from 0.5 to 3 and from 0.01 to 10% by weight of an anti-dandruff agent selected from azole based anti-

fungal agents, piroctone olamine, metal pyriothione salts, selenium sulfide or mixtures thereof; wherein the degree of substitution is measured using ^1H NMR and the spectrum is recorded at 25°C .

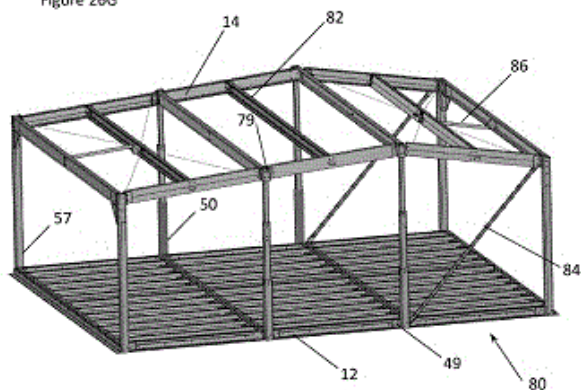
21: 2020/02736. 22: 2020/05/13. 43: 2021/09/06
51: E04B; E04H
71: LIFTING POINT CONSTRUCTION TECHNOLOGIES PTY LTD
72: MULLANEY, RYAN JARVIS, HOWELL, JAMES RICHARD, MULLANEY, NICHOLAS BRUCE
33: AU 31: 2017904218 32: 2017-10-18

54: MODULAR HOUSING SYSTEM

00: -

The invention is directed broadly to a modular housing system having a structural framework comprising an internal chassis as a core structural element, the internal chassis including: a first ladder frame that defines a base; four columns at least two being extendable columns; and a second ladder frame engaged to the first ladder frame via the four columns, such that at least one of a distance and an angle between the first ladder frame and the second ladder frame is adjustable to define a usable volume of the structural framework.

Figure 26G



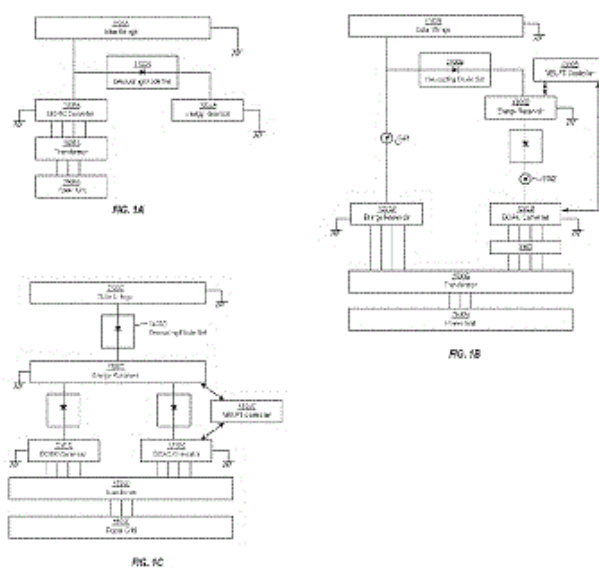
21: 2020/02771. 22: 2020/05/14. 43: 2021/09/06
51: H02J; G05F; H02M
71: LT (USA) CORPORATION
72: LIAO, JAU-DAR, LAI, HSIN-CHEN, CHUNG, FENG-TSE, HAN, HSIU-WEN, SHUY, GEOFFREY WEN-TAI
33: US 31: 15/796,506 32: 2017-10-27

54: PHOTOVOLTAIC POWER STATION

00: -

A photovoltaic (PV) power station includes at least one AC power production unit. The AC power

production unit includes an energy reservoir that is supplied with DC energy from a DC power generator, such as PV panels. The energy reservoir is used as a buffer to store energy, and improve the efficiency of the PV power station. Whether or not an energy reservoir is used, decoupler devices may be used to prevent power annihilation that can decrease the amount of power delivered by the power station to the grid. In system integration for a PV power station, it is found that the declared rating of DC/AC converter in power grid convention should not be taken as the power conversion capability.

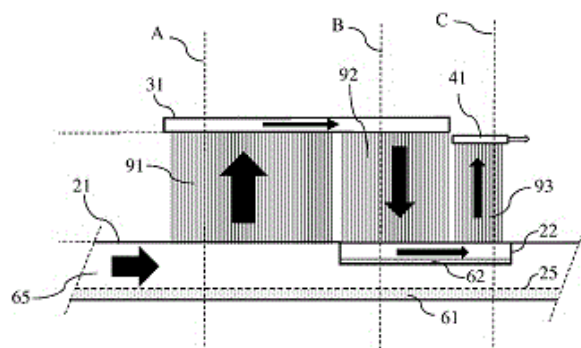


21: 2020/02773. 22: 2020/05/14. 43: 2021/09/06
51: F28F; F25B; F28B; F28D
71: SPG DRY COOLING BELGIUM
72: VOUCHE, MICHEL, DELEPLANQUE, CHRISTOPHE
33: EP 31: 17200358.4 32: 2017-11-07
54: THREE-STAGE HEAT EXCHANGER FOR AN AIR-COOLED CONDENSER

00: -

The present invention relates to a V-shaped heat exchanger for condensing exhaust steam from a turbine. The V-shaped heat exchanger comprises primary, secondary and tertiary single-row condensing tubes placed in a V-shaped geometry. A steam supply manifold supplies the exhaust steam to lower ends of the primary tubes and steam that is not condensed in the primary tubes is collected at upper ends of the primary tubes and transported to

the secondary tubes using top connecting manifolds. Steam that is not condensed in the secondary tubes is further transported to the tertiary tubes using a bottom connection manifold. The tertiary tubes are coupled at their ends with an evacuation manifold for evacuating non-condensable gases.



21: 2020/02776. 22: 2020/05/14. 43: 2021/09/06
51: H02J; G05F

71: LT (USA) CORPORATION

72: CHANG, WEN TIEN, LI, CHANG HORANG,
LEE, ZHEN HUI, GUO, ZHENG ZHAO, LO, WEN
TSUNG, SHUY, GEOFFREY WEN-TAI

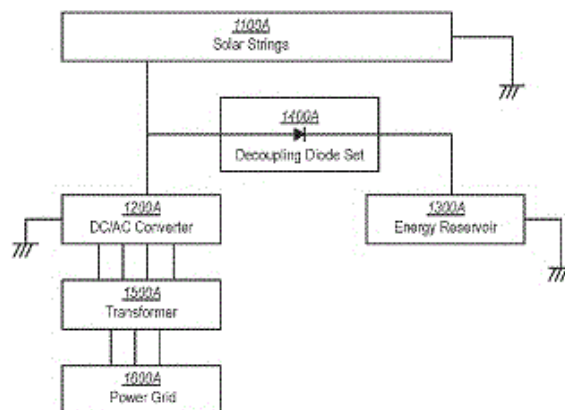
33: US 31: 15/796,534 32: 2017-10-27

54: CONTROLLED ENERGY STORAGE BALANCE TECHNOLOGY

00: -

An energy storage system that comprises an energy reservoir and a system controller. The energy reservoir is charged by DC energy from a DC energy source while discharging DC energy to a DC/AC converter. A system controller regulates the DC energy discharged from the energy reservoir to the DC/AC converter to nearly balance the amount of DC energy charged into the energy reservoir.

Because this charging and discharging is nearly balanced, the size of the energy reservoir can be made quite small relative to the amount of charging and discharging. This is advantageous where the flow of charge and discharge is high, as might be the case if the energy reservoir receives charge from all or a substantial portion of a power station, such as a solar power station. With such a controller, the use of an energy reservoir becomes technically feasible even with such large current flows.



21: 2020/02782. 22: 2020/05/14. 43: 2021/09/06
51: C07K; C12N; A61K

71: THE SCRIPPS RESEARCH INSTITUTE

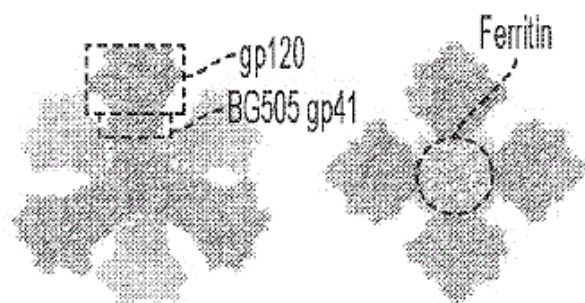
72: ZHU, JIANG, HE, LINLING

33: US 31: 62/580,038 32: 2017-11-01

54: NOVEL SCAFFOLDED HIV-1 VACCINE IMMUNOGENS

00: -

The present invention provides novel scaffolded HIV-1 vaccine immunogens. Some of the scaffolded immunogens contain a soluble gp140 trimer linked to the N-terminus of the nanoparticle subunit and a T-helper epitope that is fused via a short peptide spacer to the C-terminus of the nanoparticle subunit. Some other immunogens of the invention contain a soluble gp140 trimer protein that is linked to a stable nanoparticle via a short peptide spacer that is a T-helper epitope. Some of the scaffolded immunogens contain a gp140 trimer immunogen presented on a nanoparticle platform formed with I3-01 protein, E2p, or variants of protein 1VLW. Also provided in the invention are nucleic acids that encode the various vaccine immunogens described herein, and expression vectors and host cells harboring the nucleic acids. The invention further provides methods of using the scaffolded HIV-1 vaccine immunogens for preventing or treating HIV infections.



21: 2020/02783. 22: 2020/05/14. 43: 2021/09/06
51: B65B; B65D

71: GUALA CLOSURES S.P.A.

72: VIALE, LUCA, GIOVANNINI, MARCO

33: IT 31: 102017000124236 32: 2017-10-31

54: A SYSTEM FOR RECOGNIZING CONTAINERS TO BE FILLED WITH AND/OR EMPTIED OF A GIVEN TYPE OF PRODUCT

00: -

The present invention relates to a recognition system for recognizing containers to be filled with a given type of product, wherein the containers (6) are equipped with a device for closing and opening the mouth (5) through which the product to be introduced into the container is designed to pass. The closing and opening device is equipped with NFC electronic identification means (21). A corresponding reading and writing device (10) for reading and writing said NFC electronic identification means (21) is provided in the station (8) for filling of the container (6) and, in view of accommodating the container and the device for closing and opening its mouth, such station is conformed with at least the area configured to receive the device for closing and opening the mouth (5) having a three-dimensional shape that mates the three-dimensional shape that the closing and opening device assumes when it is open to allow the container to be filled and/or emptied through the mouth (5).

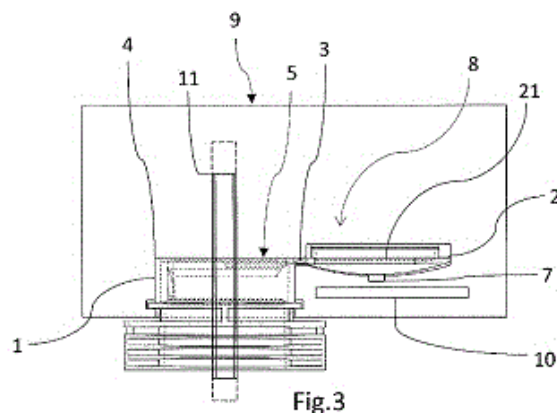


Fig.3

21: 2020/02784. 22: 2020/05/14. 43: 2021/09/06
51: C07C

71: DOW TECHNOLOGY INVESTMENTS LLC

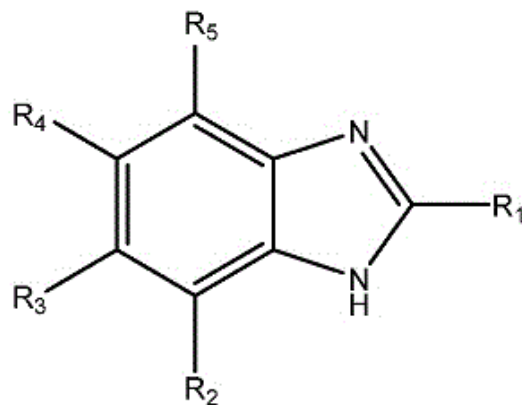
72: BRAMMER, MICHAEL A

33: US 31: 62/576,867 32: 2017-10-25

54: PROCESS TO REDUCE HEAVIES FORMATION IN A SOLUTION COMPRISING ALDEHYDE COMPOUNDS FORMED DURING A HYDROFORMYLATION PROCESS

00: -

Some embodiments of the present invention relate to processes for reducing heavies formation in a solution comprising one or more aldehydes, such as a reaction fluid in a hydroformylation process. In some embodiments, the process comprises providing 0.1 to 5 wt. percent of an organic nitrogen compound based on the total weight of the aldehyde solution, the organic nitrogen compound comprising: wherein each of R1-R5 are independently hydrogen, an alkyl, or an aryl radical.



21: 2020/02785. 22: 2020/05/14. 43: 2021/10/26
51: A47J

71: ACTIVE FOOD SYSTEMS LIMITED

72: CADBURY, George Justin Peter, O'ROURKE, Sam

33: GB 31: 1717556.3 32: 2017-10-25

54: GRILLING DEVICE WITH PRESSURISED AIR SUPPLY

00: -

Cooking apparatus (10) for cooking food by a barbecue grilling method, comprises an outer housing (18) receiving an inner housing (12) which defines a heating volume (50). A chamber (20) for pressurised air is defined between the outer and inner housings. Apertures (22) in the inner housing (12) allow pressurised air to exit the chamber (20) into the heating volume (50). At least one burner (16) is located in the inner housing (12). A combustible fuel/air mixture is supplied to the burner (16) and this is separate from the supply of pressurised air to the chamber (20). A cooking surface (44) is placed across the top of the heating volume (50) to support food to be cooked.

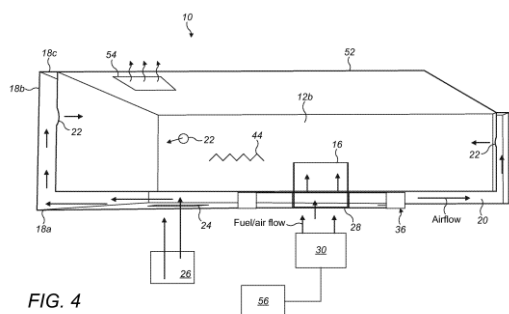


FIG. 4

21: 2020/02804. 22: 2020/05/15. 43: 2021/09/14

51: B65D; B65G

71: LYCOPODIUM MINERALS PTY LTD

72: RUGGIERO, Bruno

33: AU 31: 2019902261 32: 2019-06-27

54: SURGE BIN CONFIGURATION

00: -

An improved surge bin configuration 40 for a mineral processing plant is described. The surge bin configuration comprises a surge bin 42 and a surge bin feed conveyor 44 for feeding the surge bin 42 at a rate greater than that which will be fed to a downstream operation of the mineral processing plant. The surge bin configuration 40 also comprises an emergency stockpile feed conveyor 48 for conveying any excess material that overflows the surge bin to an emergency stockpile 46, and an emergency feed hopper 58 for feeding reclaimed

material from the emergency stockpile 46 back to the downstream operation. The surge bin configuration also comprises a Front End Loader (FEL) 50 for loading material reclaimed from the emergency stockpile 46 into the emergency feed hopper 58, and a reclaim feeder 52 for feeding material from one or both of the surge bin 42 and the emergency feed hopper 58 at a consistent rate to the downstream operation.

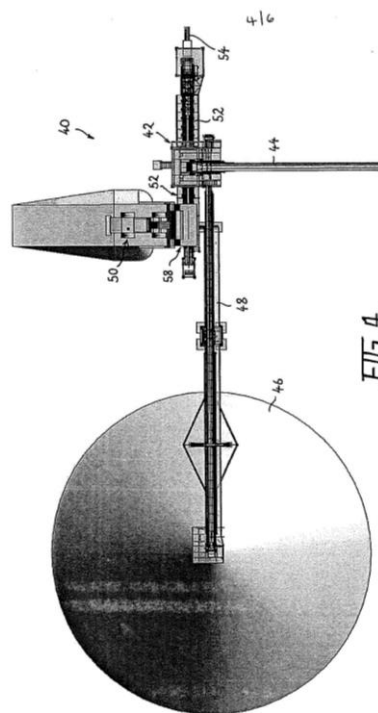


FIG. 4.

21: 2020/02807. 22: 2020/05/15. 43: 2021/09/02

51: F16B

71: VAN DER MERWE, Gerhardus Johannes

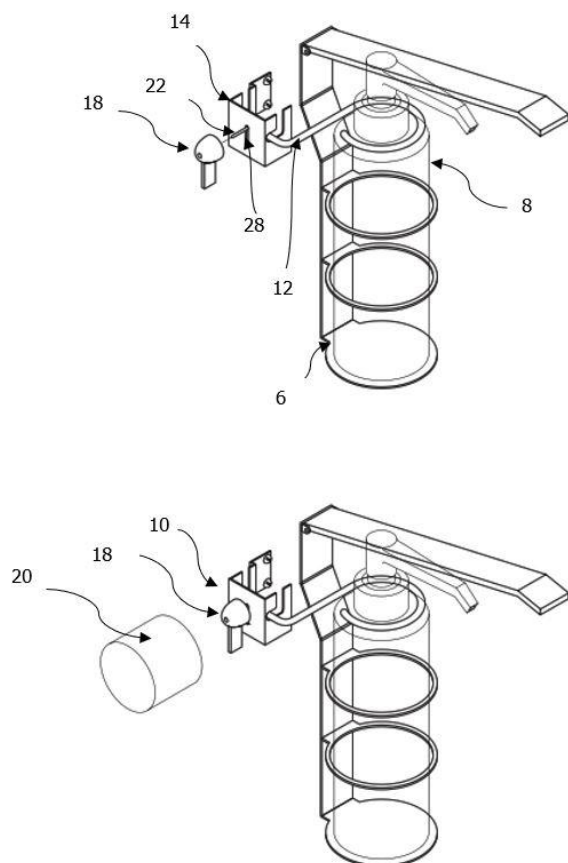
72: VAN DER MERWE, Gerhardus Johannes

54: RELEASABLE FASTENER

00: -

A releasable fastener adapted for holding an item of value secure within a holder so as to prevent unauthorised removal of the item of value from the holder via a passage of removal, the releasable fastener comprising: an arrestor that can be displaced between an arrested position, wherein the arrestor is blocking the passage of removal; and a released position, wherein the arrestor is removed from the passage of removal; and a reusable security tag for locking the arrestor when same is in

the arrested position and for unlocking same to permit movement to the released position.



that suspends the entire system off the ground. The system may include a closed-loop irrigation system and a multi-tank cleaning system. System variables, such as water flow, temperature, lighting, and water nutrient level can be computer controlled.

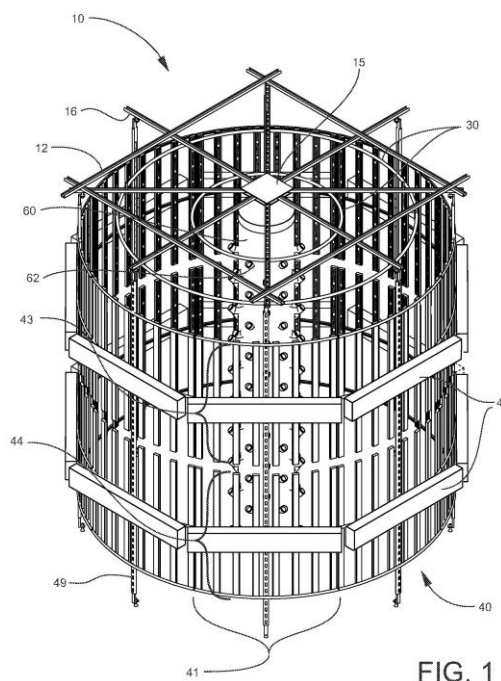


FIG. 1

21: 2020/02819. 22: 2020/05/15. 43: 2021/09/14
51: A01G

71: HYPERPONIC, LLC

72: FYVOLENT, Douglas, CARROLL, Richard,
CRAIG, Steven, Allen

33: US 31: 62/583,706 32: 2017-11-09

54: VERTICAL GROWING SYSTEM

00: -

Disclosed is a growing system that includes a hollow grow tower with planting units configured to hold plants disposed on the tower exterior where the planting units have a passage that extends into the tower interior. The tower also includes a drain port at one end and a water-dispensing nozzle at the other end. The nozzle includes outlet apertures in fluid communication with the interior of the tower where one or more of the nozzle outlet apertures may be square. An enclosure surrounds the tower, and one or more light sources are mounted on the enclosure to direct light towards the tower. The tower and enclosure can be connected to a suspension frame

21: 2020/02833. 22: 2020/05/15. 43: 2021/08/24
51: A01N; A01P

71: Bayer Aktiengesellschaft

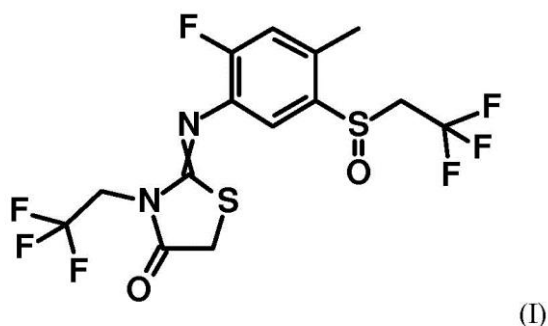
72: CEREZO-GALVEZ, Silvia, MARIENHAGEN,
Christian, WECKWERT, Holger, THIELERT,
Wolfgang, JOHN, Marita

33: EP(DE) 31: 17197106.2 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: 2020/02835. 22: 2020/05/15. 43: 2021/08/24

51: A01N; A01P

71: Bayer Aktiengesellschaft

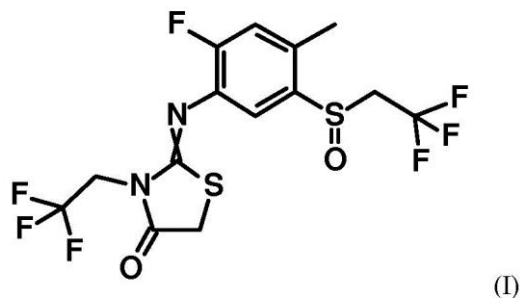
72: CEREZO-GALVEZ, Silvia, MARIENHAGEN, Christian, WECKWERT, Holger, THIELERT, Wolfgang, JOHN, Marita

33: EP(DE) 31: 17197098.1 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: 2020/02836. 22: 2020/05/15. 43: 2021/09/14

51: C07C; C07D

71: Syngenta Participations AG

72: DUMEUNIER, Raphael, SMEJKAL, Tomas, MISHRA, Brijnandan Premnath, GOPALSAMUTHIRAM, Vijayagopal Raman, GODINEAU, Edouard, O'SULLIVAN, Anthony Cornelius

33: IN 31: 201711041030 32: 2017-11-16

54: PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY AND DIASTEREOMERICALLY ENRICHED CYCLOBUTANE AMINES AND AMIDES

00: -

The present invention relates to a process for the preparation of enantiomerically and diastereomerically enriched cyclobutane amines and amides by reacting (a) cyclopropylcarbonitrile to a cyclopropylcarbaldehyde, (b) further reacting to a cyclobutanone, or (d') further reacting to an enamide, 5 (c) further reacting to enantiomerically and diastereomerically enriched cyclobutane amines, or (d) further reacting to an enamide and (e) to an enantiomerically and diastereomerically enriched cyclobutylamide to obtain (f) an enantiomerically and diastereomerically enriched cyclobutane amine, and (g) further reacting to an enantiomerically and diastereomerically enriched cyclobutane amide.

21: 2020/02839. 22: 2020/05/15. 43: 2021/09/06

51: B65H; G07D

71: JAPAN CASH MACHINE CO., LTD.

72: TOMIYOSHI, TETSUYA, OUCHI, MIKIO, INOUE, NAOKI, TAGUCHI, TOMO

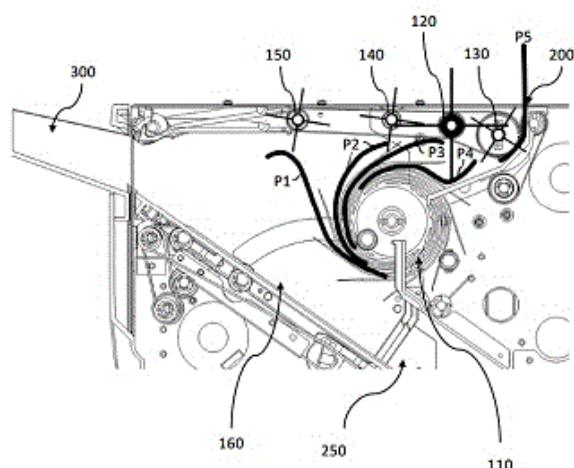
33: JP 31: 2018-009222 32: 2018-01-23

54: PAPER SHEET ACCUMULATION DEVICE

00: -

This paper sheet accumulation device (100) aligns and accumulates paper sheets successively transported in the longitudinal direction from a feeding port (200). The paper sheet accumulation device (100) comprises: a paper sheet accumulation mechanism (110) that has a base and a plurality of vanes; an accumulation mechanism introduction means (120) for guiding the paper sheets to the paper sheet accumulation mechanism (110); a collision prevention means (130) for preventing a paper sheet that is being guided to the paper sheet accumulation mechanism (110) from colliding with a paper sheet that is following the paper sheet being guided and that is being transported from the feeding port (200); an accumulation mechanism insertion means (140) for inserting the paper sheet guided to the paper sheet accumulation mechanism (110) in between vanes in the paper sheet accumulation mechanism (110) so that the paper sheet is held by the paper sheet accumulation mechanism (110); and an accumulation unit (160) in

which the paper sheets are accumulated by way of the paper sheets inserted between the vanes being transported by the rotation of the base.



21: 2020/02842. 22: 2020/05/15. 43: 2021/09/06
51: B01D; B01J

71: COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
72: MULET, XAVIER, KONSTAS, KRISTINA, THORNTON, AARON, HESSELMANN, MATTHIAS, HERRMANN, STEFAN

33: AU 31: 2018903009 32: 2018-08-16

54: METAL ORGANIC FRAMEWORK BASED WATER CAPTURE APPARATUS

00: -

An apparatus for capturing a water content from a water containing gas, the apparatus comprising: a housing having an inlet into which the water containing gas can flow; a water adsorbent located in the housing, the water adsorbent comprising at least one water adsorbent metal organic framework composite capable of adsorbing a water content from the water containing gas; and a water desorption arrangement in contact with and/or surrounding the water adsorbent, the water desorption arrangement being selectively operable between (i) a deactivated state, and (ii) an activated state in which the arrangement is configured to apply heat, a reduced pressure or a combination thereof to the water adsorbent to desorb a water content from the water adsorbent.

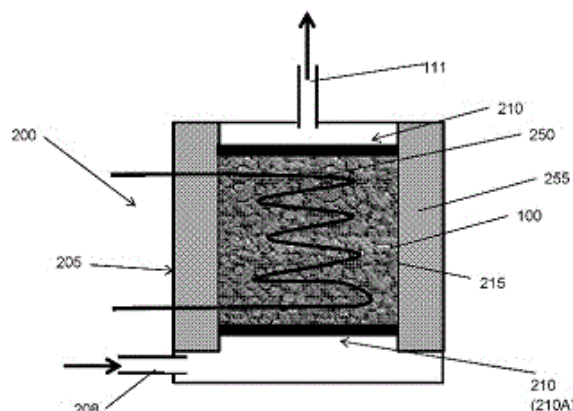


Figure 1A

21: 2020/02844. 22: 2020/05/15. 43: 2021/09/06
51: A24B; A24F

71: GUANGDONG WONDERFUL INTERNATIONAL BIOTECHNOLOGY CO., LTD.

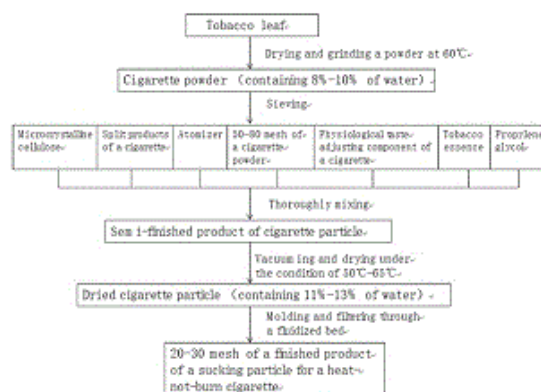
72: QIAN, JIANBING, MA, LEI, ZHAN, BAOMING

33: CN 31: 201711361766.2 32: 2017-12-18

54: SUCKING PARTICLE FOR HEAT-NOT-BURN CIGARETTE AND MANUFACTURING METHOD

00: -

Disclosed are a sucking particle for a heat-not-burn cigarette and a manufacturing method therefor. The sucking particle comprises, in parts by weight, 8-20 parts of a microcrystalline cellulose, 50-80 parts of a cigarette powder, 0.5-2 parts of a cigarette pyrolysate, 1 part of a cigarette physiological taste adjusting component, 8-30 parts of an atomizer, 0.1-2 parts of a tobacco essence and 1-10 parts of propylene glycol.



21: 2020/02847. 22: 2020/05/15. 43: 2021/09/06
51: H04B

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

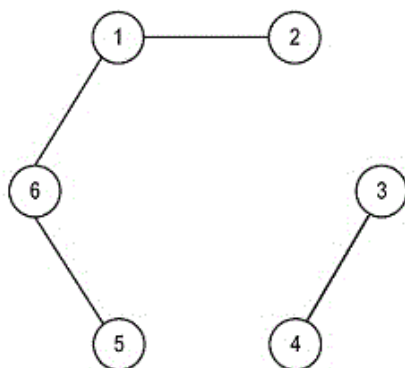
72: HARRISON, ROBERT MARK, LEE, HEUNCHUL, FAXÉR, SEBASTIAN, WERNERSSON, NIKLAS

33: US 31: 62/588,264 32: 2017-11-17

54: VARIABLE COHERENCE ADAPTIVE ANTENNA ARRAY

00: -

A user equipment (UE) (200, 500, 1530) transmits data to a base station (100, 500, 1520) in a wireless communication network. The UE (200, 500, 1530) comprises multiple antenna ports, and selects a precoding matrix from a respective first, second, third, or fourth set of precoding matrices according to a number of spatial layers. The first, second, third, and fourth sets of precoding matrices are available for all coherence capabilities and are comprised within a larger set of precoding matrices. The larger set comprises precoding matrices that are not available for all coherence capabilities. The first, second, third, and fourth sets of precoding matrices correspond to one, two, three, or four spatial layers, respectively. The number of columns in the selected precoding matrix is equal to the number of spatial layers and each column comprises a single non-zero element and one or more zero elements. The UE (200, 500, 1530) transmits data on the number of spatial layers according to the selected precoding matrix.



21: 2020/02853. 22: 2020/05/15. 43: 2021/09/06

51: B01J; C07C

71: DOW GLOBAL TECHNOLOGIES LLC

72: KIRILIN, ALEXEY, CHOJECKI, ADAM, ANDREWS, KYLE C, SANTOS CASTRO, VERA P, SANDIKCI, AYSEGUL CIFTCI, NIESKENS, DAVY L.S, GROENENDIJK, PETER E, MALEK, ANDRZEJ

33: US 31: 62/578,749 32: 2017-10-30

54: HYBRID CATALYST FOR SELECTIVE AND STABLE OLEFIN PRODUCTION

00: -

A process for preparing C₂ to C₅ olefins includes introducing a feed stream comprising hydrogen and at least one carbon-containing component selected from the group consisting of CO, CO₂, and mixtures thereof into a reaction zone. The feed stream is contacted with a hybrid catalyst in the reaction zone, and a product stream is formed that exits the reaction zone and includes C₂ to C₅ olefins. The hybrid catalyst includes a methanol synthesis component and a solid microporous acid component that is selected from molecular sieves having 8-MR access and having a framework type selected from the group consisting of CHA, AEI, AFX, ERI, LTA, UFI, RTH, and combinations thereof. The methanol synthesis component comprises a metal oxide support and a metal catalyst. The metal oxide support includes titania, zirconia, hafnia or mixtures thereof, and the metal catalyst includes zinc.

21: 2020/02890. 22: 2020/05/18. 43: 2021/09/02

51: B01J; C07C

71: DOW TECHNOLOGY INVESTMENTS LLC

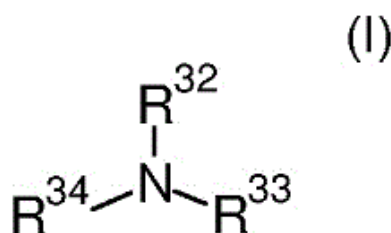
72: BIGI, MARINUS A, WATSON, RICK B

33: US 31: 62/585,084 32: 2017-11-13

54: PROCESSES FOR RECOVERY OF RHODIUM FROM A HYDROFORMYLATION PROCESS

00: -

Some embodiments of the present invention relate to processes to recover rhodium from a hydroformylation process. In some embodiments, the process to recover rhodium from the hydroformylation process comprises (a) treating a catalyst-containing stream from the hydroformylation process with 2.5 to 20 weight percent, based on the total weight of the stream, of a water-soluble organic amine of the following structure: wherein R³², R³³, and R³⁴ are each independently alkyls and ethoxylates, and wherein no more than one of R³², R³³, and R³⁴ is alkyl; (b) heating the resulting solution in the presence of syngas to a temperature of at least 65°C to generate a rhodium-rich phase and a supernatant; and (c) removing the supernatant to recover the rhodium-rich phase.



21: 2020/02891. 22: 2020/05/18. 43: 2021/09/06

51: C07D

71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY

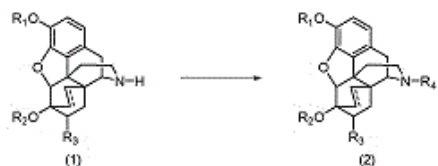
72: ARCHER, NICOLAS, BEASE, MICHAEL, FISHER, REBECCA, ANDREWS, SUSAN

33: GB 31: 1719667.6 32: 2017-11-27

54: PROCESS

00: -

The present invention provides a process for the preparation of a compound of formula (2): the process comprising reacting a compound of formula (1), a base and an alkylating agent R_4-X in a nitrile-containing polar aprotic solvent to form the compound of formula (2), wherein the process is carried out at a temperature greater than 60 °C; and wherein R_1 , R_2 , R_3 , R_4 , and X are as defined in the specification.



21: 2020/02893. 22: 2020/05/18. 43: 2021/09/06

51: G01B; B07C

71: TIAMA

72: COSNEAU, LAURENT, COLLE, OLIVIER

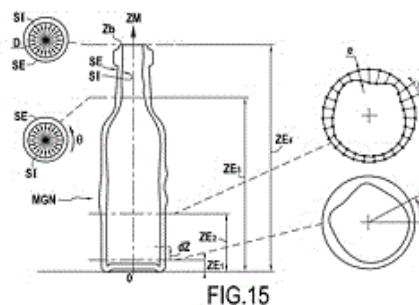
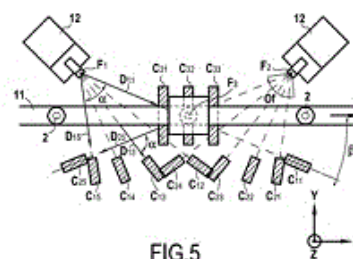
33: FR 31: 1760173 32: 2017-10-27

54: METHOD AND DEVICE FOR MEASURING DIMENSIONS BY X-RAYS, ON EMPTY GLASS CONTAINERS RUNNING IN A LINE

00: -

The invention concerns a method for measuring dimensions of empty glass containers (2) consisting of: - choosing at least one region to be inspected of the container, - transporting the containers, - positioning, to either side of the region to be inspected, at least one focus of an X-ray generating tube and image sensors, - acquiring, by means of

the image sensors, for each container during the movement of same, at least three radiographic images of the inspected region, - analysing the at least three radiographic images in such a way as to determine the three-dimensional coordinates of a set of points in order to deduce at least one internal diameter of the neck and/or one thickness of the body.



21: 2020/02894. 22: 2020/05/18. 43: 2021/09/06

51: G01B; B07C; G06T

71: TIAMA

72: COSNEAU, LAURENT, COLLE, OLIVIER

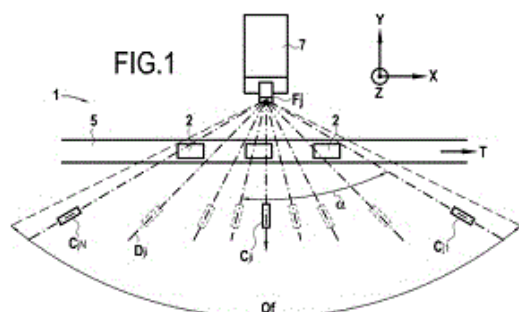
33: FR 31: 17 60175 32: 2017-10-27

54: METHOD AND FACILITY FOR THE IN-LINE DIMENSIONAL CONTROL OF MANUFACTURED OBJECTS

00: -

The invention concerns a measurement method consisting in: - acquiring, by means of image sensors (C_{ji}), for each object during the movement of same, at least three radiographic images of the region to be inspected, obtained from at least three radiographic projections of the region to be inspected, the projection directions (D_{ji}) of which are different; - providing, for a computer system, an a priori geometric model of the region to be inspected for the series of objects; - determining, by means of the computer system, taking into account a constant attenuation coefficient and from the a priori geometric model and at least three radiographic

images of the region to be inspected, a digital geometric model of the region to be inspected; - for each object of the series, determining, from the digital geometric model of the region to be inspected, at least one linear dimension measurement of the region to be inspected.



21: 2020/02895, 22: 2020/05/18, 43: 2021/09/06

51: H04W

71: ELI TECHNOLOGY INC.

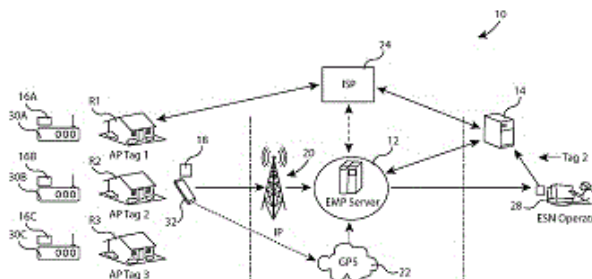
72: WOODFORD, PETER

33: US 31: 15/788,749 32: 2017-10-19

54: EMERGENCY LOCATION INFORMER SYSTEM

00: -

An emergency location informer system includes: an emergency mobile positioning (EMP) server; an emergency service number (ESN) database server storing civic addresses and associated tags that are provided by an internet service provider (ISP) over the IP network; a wireless access point (AP) EMP-AP component executing on a processor of an AP at a civic address known to the ISP, the EMP-AP component providing a tag, known to the ISP, forming a part of a radio frequency (RF) beacon signal transmitted by the AP; and a mobile operating system (OS) EMP-OS component executing on a processor of a cell phone and operative to monitor the beacon signal of the AP and to store the tag, the EMP-OS component being further operative to embed the tag in an emergency call from the cell phone to the EMP server over a network.



21: 2020/02896. 22: 2020/05/18. 43: 2021/09/06

51: B29C

71: W. MÜLLER GMBH

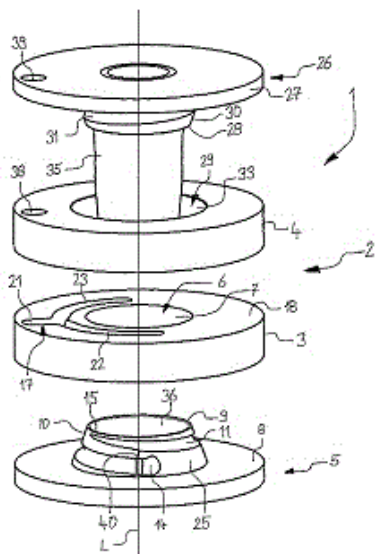
72: BAKRI, FARID, WALTER, ULRICH

33: EP 31: 17200278.4 32: 2017-11-07

54: ANNULAR MANIFOLD FOR AN EXTRUSION HEAD FOR PRODUCING A TUBULAR MOULDING FROM A THERMOPLASTIC MATERIAL

00: -

Annular manifold 1 for an extrusion parison head for manufacturing a tubular moulding from a thermoplastic material, comprising: an accommodation body 2 with a first accommodation chamber 6 with an inner surface 7, a first distribution sleeve 5 with an outer surface 10, which has a distribution groove 11, wherein the first distribution sleeve 5 is accommodated in the first accommodation chamber 6, as well as an annular first distribution chamber 12, which is formed between the inner surface 7 of the first accommodation chamber 6 and the outer surface 10 of the first distribution sleeve 5, and which ends in an annular gap opening 13, wherein the outer surface 10 of the first distribution sleeve 5 has a single helical distribution groove 11 with more than one winding and less than 1.25 windings.



21: 2020/02924. 22: 2020/05/19. 43: 2021/09/28

51: A61K; A61Q

71: UNILEVER PLC

72: MOGHADAM, ARASH MOHAJER, MUSCAT, JOSEPH

33: EP 31: 17209538.2 32: 2017-12-21

54: PERSONAL CLEANSING COMPOSITIONS

00: -

The invention provides an aqueous shampoo composition comprising: a. a pre-formed emulsified silicone; b. a cationic deposition polymer; c. a hair substantive cationic conditioning polymer which is a homopolymer of (3-acrylamidopropyl) trimethyl ammonium chloride; d. a cleansing surfactant; e. a co-surfactant; and f. a suspending agent; which results in superior retention of silicone on hair.

21: 2020/02925. 22: 2020/05/19. 43: 2021/09/14

51: G01V

71: University of Johannesburg

72: CONNELL, Simon Henry, COOK, Martin Nkululeko Hogan

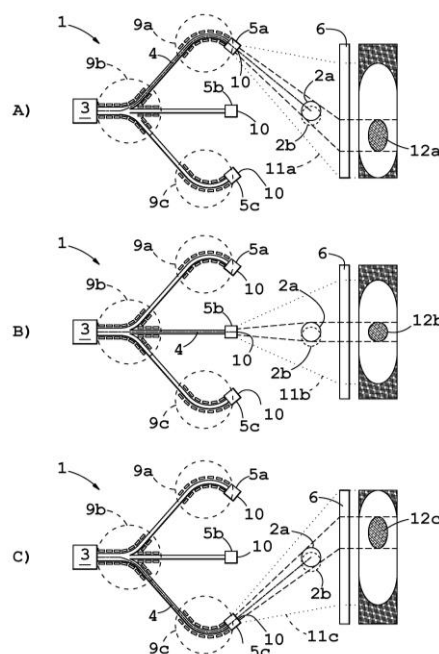
33: ZA 31: 2017/07077 32: 2017-10-19

54: METHOD OF TOMOGRAPHIC RADIOGRAPHY

00: -

This invention relates to a method of creating a representation of the internal structure of a target object. There is provided a method of creating a representation of the internal structure of a target object comprising the steps of accelerating a number of charged subatomic particles, guiding the particles to a plurality of emission sources on one side of a target object, emitting electromagnetic radiation from

each specific emission source for a discrete period such that, during the discrete period, the specific emission source is associated with the discrete period, the electromagnetic radiation being generated by the conversion of the particles to electromagnetic radiation, detecting, on a side opposing the emission sources, a projection of penetration of the electromagnetic radiation from each emission source, and combining the projections from each source to create a representation of the internal structure of the target object.



21: 2020/02935. 22: 2020/05/20. 43: 2021/09/14

51: E04B; E04C

71: SUPA SLAB (PTY) LTD

72: MAROT, CHARLES PATRICK ALEC

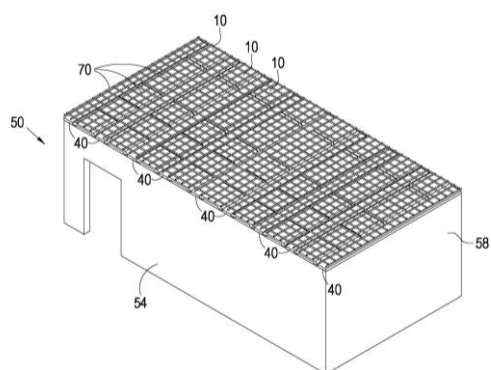
33: ZA 31: 2019/01079 32: 2019-02-20

54: METHOD OF CONSTRUCTING A SUSPENDED SLAB

00: -

This invention relates to a method of constructing a suspended slab, a suspended slab constructed using said method, and a building incorporated a suspended slab formed from the said method. In this regards, the method comprises positioning a plurality of spaced apart horizontally disposed beams over a pre-constructed or pre-assembled structure. A plurality of void formers are then

positioned between the beams, the void formers being substantially free of cementitious material. One or more reinforcing and/or shrinkage control elements are positioned substantially above or on top of the beams and void formers. Cementitious material in a flowable consistency is then poured over the beams, void formers and reinforcing and/or shrinkage control elements and is allowed to cure. Once cured, the void formers are removed such that the cementitious material, beams and reinforcing and/or shrinkage control elements define the suspended slab.



21: 2020/02950. 22: 2020/05/20. 43: 2021/09/06
51: H01T

71: DEHN SE + CO KG

72: STRANGFELD, UWE, HIERL, STEPHAN, SCHÖN, STEFAN

33: DE 31: 10 2018 112 428.7 32: 2018-05-24

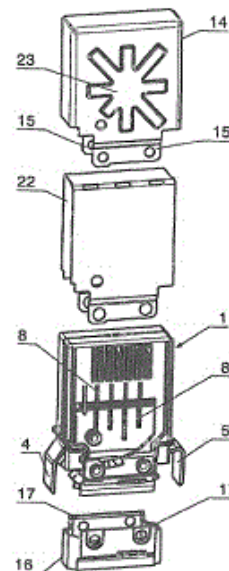
33: DE 31: 10 2018 117 275.3 32: 2018-07-17

54: NON-ROTATIONALLY SYMMETRICAL SPARK GAP, IN PARTICULAR HORN SPARK GAP WITH DEION CHAMBER

00: -

The invention relates to a non-rotationally symmetrical spark gap, in particular a horn spark gap with a deion chamber, a multi-part insulating material housing (1) as a support and receiving body for the horn electrodes and the deion chamber, means for conducting the gas flow related to the arc, wherein the insulating material housing (1) is divided on the plane defined by the horn electrodes and has two half shells, and plug or screw connections (4, 5) which lead out on the end face. According to the invention, with the exception of the sections of the plug or screw connections (4, 5) leading out, the insulating material housing is surrounded on all sides by a cooling surface (14) which is near the

housing and lies against the housing surface, and the cooling surface (14) is at least partly supported on webs (8) which are designed to conduct the gas flow on the outer surface of the half shells.



21: 2020/02952. 22: 2020/05/20. 43: 2021/09/06
51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

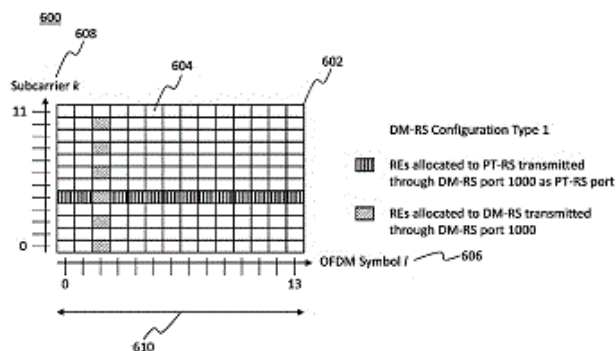
72: MOLÉS CASES, VICENT, FRENNE, MATTIAS

33: US 31: 62/587,967 32: 2017-11-17

54: TECHNIQUE FOR CONFIGURING A PHASE TRACKING REFERENCE SIGNAL

00: -

A technique for transmitting and receiving a configuration message for a phase tracking reference signal, PT-RS, on a radio channel between a radio access node and a radio device is described. The radio channel comprises a plurality of subcarriers in a physical resource block, PRB (602). A subset of the subcarriers (608) in the PRB (602) is allocated to a demodulation reference signal, DM-RS. As to a method aspect of the technique, the configuration message is transmitted to the radio device. The configuration message comprises a bit field that is indicative of at least one subcarrier allocated to the PT-RS among the subset of subcarriers allocated to the DM-RS.



21: 2020/02953. 22: 2020/05/20. 43: 2021/09/06

51: H02M; H02J

71: LT (USA) CORPORATION

72: SHUY, GEOFFREY WEN-TAI

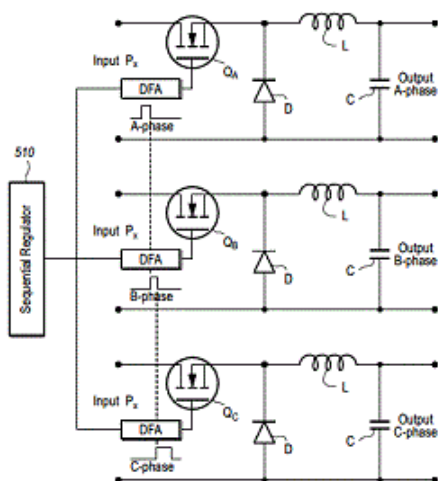
33: US 31: 16/197,139 32: 2018-11-20

33: US 31: 15/838,044 32: 2017-12-11

54: ENERGY UTILIZATION POINT TRACKER INVERTER

00: -

A sequential extraction control device for use in a 3-phase DC/AC converter. The 3-phase converter has three single-phase DC/AC converters, each controlled by a respective PWM extractor. Duty factor adjustments are made depending on a current portion of an AC power cycle. A sequential regulator causes the PWM extractors to have non-overlapping duty cycles such that extractions of each of the single-phase DC/AC converters is performed in sequence, rather than concurrently. This improves the efficiency in extracting power from the DC power.



21: 2020/02989. 22: 2020/05/21. 43: 2021/09/14

51: A61K; C07K

71: BEIGENE, LTD.

72: XUE, Liu, LIU, Qi, WEI, Min, LI, Kang, ZHANG, Tong

33: CN 31: PCT/CN2017/120392 32: 2017-12-30

54: ANTI-TIGIT ANTIBODIES AND THEIR USE AS THERAPEUTICS AND DIAGNOSTICS

00: -

Provided are antibodies that specifically bind to TIGIT (T cell immunoreceptor with Ig and ITIM domains, WUCAM or Vstm3) and inhibit Tigit-mediated cellular signaling and activities in immune cells. The anti-TIGIT antibodies can be used to treat or diagnose cancer, infectious diseases or other pathological disorders that may be modulated by Tigit-mediated functions.

21: 2020/02990. 22: 2020/05/21. 43: 2021/09/14

51: A24F

71: PHILIP MORRIS PRODUCTS S.A.

72: BELLUSCI, Marco, BORGES, Miguel, FRINGELI, Jean-Luc, MELZI, Ilario

33: EP 31: 18161064.3 32: 2018-03-09

54: AN AEROSOL-GENERATING DEVICE COMPRISING A COVER ELEMENT MECHANISM

00: -

There is provided an aerosol-generating device (10) comprising a first housing (14), a second housing (16) arranged for movement relative to the first housing (14), and a cavity (32) for receiving an aerosol-generating article (80). The aerosol-generating device (10) also comprises an aperture (34) at least partially defined by the second housing (16), wherein the aperture (34) is positioned at an end of the cavity (32) for insertion of an aerosol-generating article (80) into the cavity (32) through the aperture (34). The aerosol-generating device (10) also comprises a cover element (42) arranged for movement with respect to the second housing (16) between a closed position in which the cover element (42) at least partially covers the aperture (34) and an open position in which the aperture (34) is at least partially uncovered. The aerosol-generating device (10) also comprises a latching mechanism (158) arranged to retain the cover element (42) in the open position and arranged to release the cover element (42) when the second housing (16) is moved relative to the first housing (14). The aerosol-generating device (10) also comprises a closing mechanism (159) arranged to

move the cover element (42) away from the open position and into the closed position when the latching mechanism (158) releases the cover element (42).

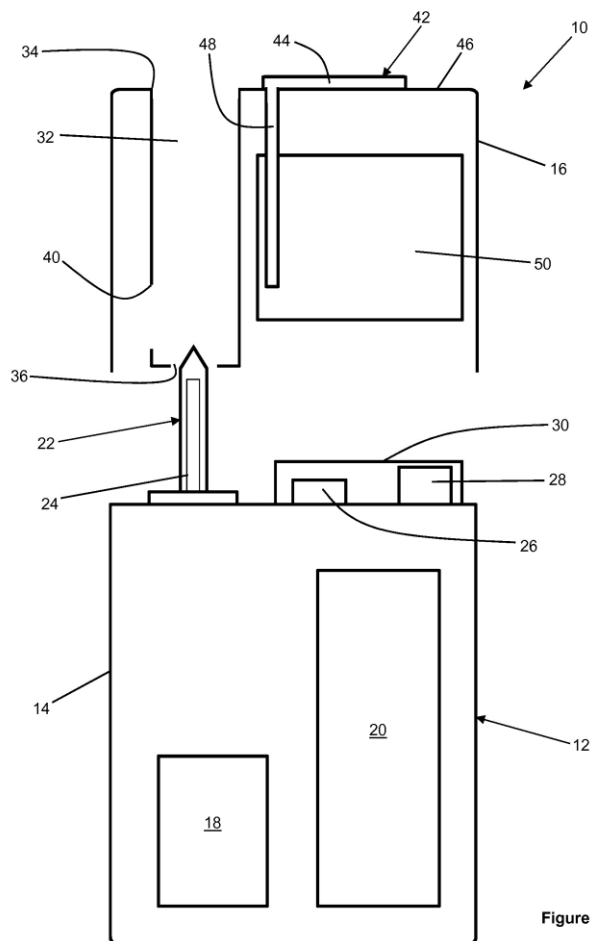


Figure 1

21: 2020/03002, 22: 2020/05/21, 43: 2021/09/14

51: A23K: A61K

71: DSM IP Assets B.V.

72: BRUNNER, Dominik Josef, CLASADONTE, Laure, GADIENT, Martin Reto, SCHUEPFER, Roland

33: EP(NL) 31: 17207905.5 32: 2017-12-18

54: STORAGE STABLE MIXTURES

00: -

The present invention relates to improved formulations of propandiol mononitrate and derivatives thereof as well as to the production of such formulations.

21: 2020/03004. 22: 2020/05/21. 43: 2021/09/14

51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

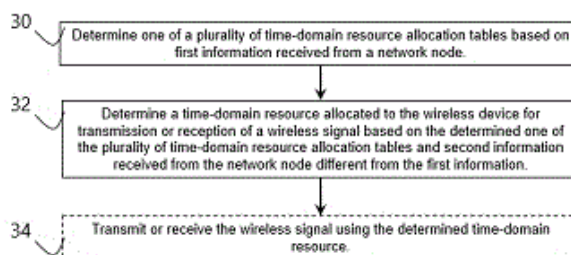
72: BALDEMAIR, ROBERT, PARKVALL, STEFAN,
CHENG, JUNG-FU, NORBY, RAVIKIRAN, CHEN
LARSSON, DANIEL

33: US 31: 62/587,524 32: 2017-11-17

54: SELECTION OF TIME-DOMAIN RESOURCE ALLOCATION TABLES

00: -

According to certain embodiments, a wireless device comprises memory operable to store instructions and processing circuitry operable to execute the instructions, whereby the wireless device is operable to determine one of a plurality of time-domain resource allocation tables based on first information received from a base station. The wireless device is further operable to determine a time-domain resource allocated to the wireless device for transmission or reception of a wireless signal based on the determined one of the plurality of time-domain resource allocation tables and second information received from the base station. The second information is different from the first information.



21: 2020/03005. 22: 2020/05/21. 43: 2021/09/14

51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON
(PUBL)

72: ERNSTRÖM, PER, FRENNE, MATTIAS,
WERNER, KARL, BJÖRKEGREN, HÅKAN, GRANT,
STEPHEN

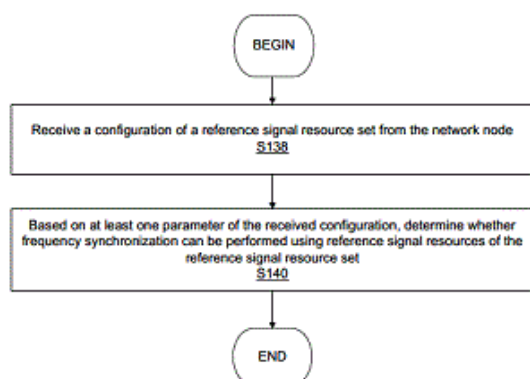
33: US 31: 62/588,048 32: 2017-11-17

54: METHODS AND APPARATUSES FOR DOWNLINK TRACKING REFERENCE SIGNAL CONFIGURATION

00: -

Methods and apparatuses are disclosed for reference signal configurations. In one embodiment, a method includes receiving a configuration of a reference signal resource set from the network node; and based on at least one parameter of the received configuration, determining whether frequency

synchronization can be performed using reference signal resources of the reference signal resource set.



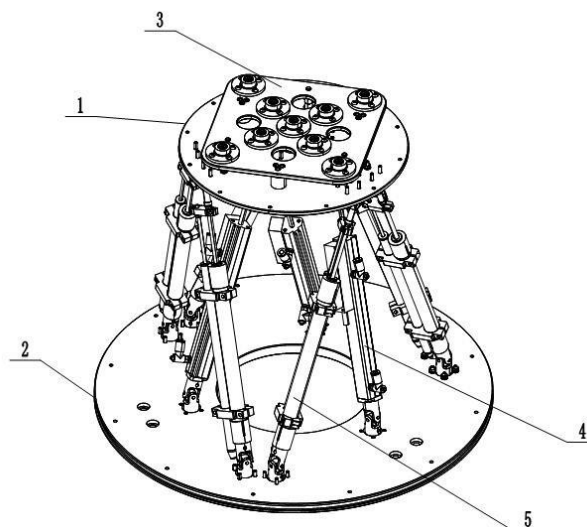
21: 2020/03020. 22: 2020/05/22. 43: 2021/09/10
51: B63B
71: TIANJIN RESEARCH INSTITUTE FOR WATER
TRANSPORT ENGINEERING, MINISTRY OF
TRANSPORT

72: CHEN, Hanbao, HU, Ke, SHEN, Wenjun, GAO,
FENG, LUAN, Yingni, LI, Yan, MENG, Xiangwei,
ZHAO, Xu

**54: VESSEL MOORING DEVICE AND
INTELLIGENT VESSEL MOORING SYSTEM AND
METHOD**

00: -

The present invention discloses a vessel mooring device and an intelligent vessel mooring system and method and relates to the field of seaports and waterways and coastal and marine engineering. The vessel mooring device includes an upper platform and a lower platform which are arranged in parallel and a driving branch hinged between the upper platform and the lower platform, where the driving branch includes three or more identical driving parts; upper hinge points and lower hinge points of the driving parts are uniformly arranged along coaxial circular tracks; and a diameter of a circle formed by the upper hinge points of the driving parts is smaller than that of a circle formed by the lower hinge points.



21: 2020/03021. 22: 2020/05/22. 43: 2021/09/14
51: A24F

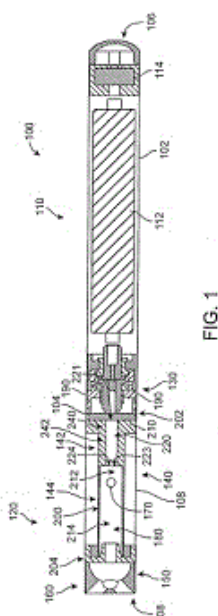
71: ALTRIA CLIENT SERVICES LLC
72: JANARDHAN, SRINIVASAN, HAWES, ERIC,
PITHAWALLA, YEZDI B

33: US 31: 61/857,931 32: 2013-07-24

**54: ELECTRONIC SMOKING ARTICLE WITH
ALTERNATIVE AIR FLOW PATHS**

00: -

An e-vaping device and method for controlling resistance-to-draw. The device has a housing defining inlets to allow air to be drawn into the device, a power source inside the housing, and a cartridge on an end of the device. The cartridge includes a reservoir with pre-vapor formulation and a heater and wick arrangement fluidly connected to the reservoir for volatilizing the formulation. The cartridge includes a connector on a first end of the cartridge, a terminal held within connector, an annular seal fluidly connected with the inlets, and a flow restrictor held by the annular seal. The annular seal seals defines a first air passage which is fully downstream of the connector and the terminal relative to an airflow path through the cartridge during normal operational use of the cartridge. The flow restrictor defines a second air passage providing a desired resistance-to-draw (RTD) for the device. A combined airflow cross-sectional area of the inlets is greater than an airflow cross-sectional area of the second air passage. The flow restrictor is made from a material that is harder than a second material for the annular seal, the annular seal encompassing the flow restrictor.



21: 2020/03026. 22: 2020/05/22. 43: 2021/09/14

51: C01B; H02S

71: BRILLIANT LIGHT POWER, INC.

72: MILLS, Randell, L.

33: US 31: 62/594,936 32: 2017-12-05

33: US 31: 62/612,304 32: 2017-12-29

33: US 31: 62/618,444 32: 2018-01-17

33: US 31: 62/630,755 32: 2018-02-14

33: US 31: 62/644,392 32: 2018-03-17

33: US 31: 62/652,283 32: 2018-04-03

54: MAGNETOHYDRODYNAMIC ELECTRIC POWER GENERATOR

00: -

A power generator that provides at least one of electrical and thermal power comprising (i) at least one reaction cell for the catalysis of atomic hydrogen to form hydrinos identifiable by unique analytical and spectroscopic signatures, (ii) a reaction mixture comprising at least two components chosen from: a source of H₂O catalyst or H₂O catalyst; a source of atomic hydrogen or atomic hydrogen; reactants to form the source of H₂O catalyst or H₂O catalyst and a source of atomic hydrogen or atomic hydrogen; and a molten metal to cause the reaction mixture to be highly conductive, (iii) a molten metal injection system comprising at least one pump such as an electromagnetic pump that provides a molten metal stream and at least one reservoir that receives the molten metal stream, (iv) an ignition system comprising an electrical power source that provides low-voltage, high-current electrical energy to the at least one stream of molten metal to ignite a plasma to

initiate rapid kinetics of the hydrino reaction and an energy gain due to forming hydrinos, (v) a source of H₂ and O₂ supplied to the plasma, (vi) a molten metal recovery system, and (vii) a power converter capable of (a) converting the high-power light output from a blackbody radiator of the cell into electricity using concentrator thermophotovoltaic cells or (b) converting the energetic plasma into electricity using a magnetohydrodynamic converter.

21: 2020/03038. 22: 2020/05/22. 43: 2021/09/14

51: A01G

71: HAYGROVE LIMITED

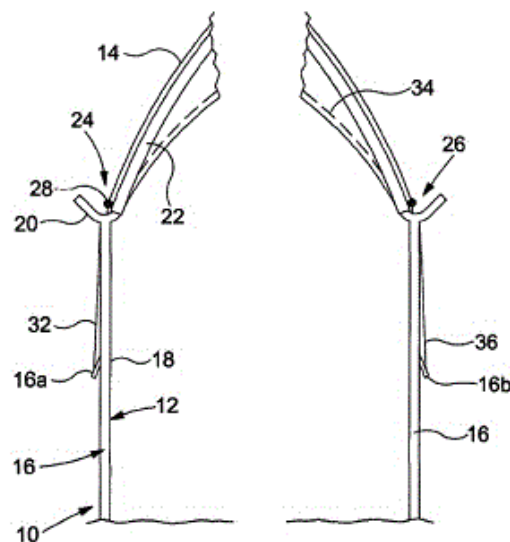
72: PRITCHETT, RICHARD MARK

33: GB 31: 1718304.7 32: 2017-11-04

54: CULTIVATION ARRANGEMENT

00: -

A cultivation arrangement is described comprising a support frame (12) and a flexible cover material (14), the flexible cover material (14) having a first edge (24) and a second, opposite edge (26), the first edge (24) of the cover material (14) being anchored to the support frame (12), at least one tensioning member (34) secured to the second edge (26) of the cover material (14), and at least one drawing line (36) attached to the second edge (26) of the cover material (14), the support frame (12) including anchor points (16a), (16b) to which the drawing line (36) and tensioning member (34) can be anchored, wherein when the cover material (14) is drawn over the support frame (12), the tensioning member (34) can serve to tension the cover material (14).



21: 2020/03039. 22: 2020/05/22. 43: 2021/09/14
51: C07D; A61P; A61K

71: PHARVARIS NETHERLANDS B.V.

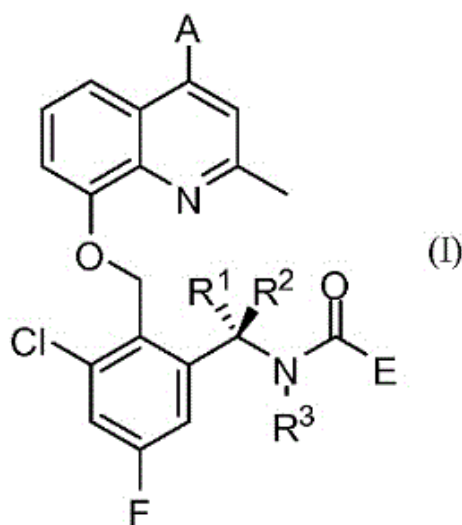
72: GIBSON, CHRISTOPH, SAUPE, JOERN,
AMBROSI, HORST-DIETER, HAUSTEDT, LARS
OLE

33: EP 31: 17203675.8 32: 2017-11-24

54: NOVEL BRADYKININ B2 RECEPTOR ANTAGONISTS

00: -

The invention relates to a compound according to general formula (I), which acts as a bradykinin (BK) B2 receptor antagonist; to a pharmaceutical composition containing one or more of the compound(s) of the invention; to a combination preparation containing at least one compound of the invention and at least one further active pharmaceutical ingredient; and to uses of said compound(s), including the use as a medicament.



21: 2020/03041. 22: 2020/05/22. 43: 2021/09/14
51: A61K

71: HOWARD HUGHES MEDICAL INSTITUTE

72: STERNSON, SCOTT, MAGNUS,
CHRISTOPHER, LEE, PETER

33: US 31: 62/729,716 32: 2018-09-11

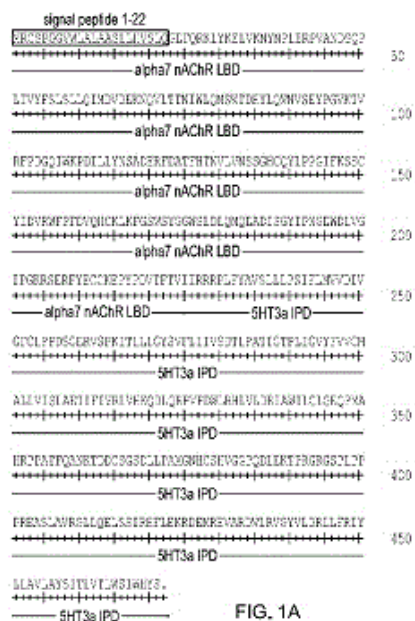
33: US 31: 62/584,428 32: 2017-11-10

54: MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE

00: -

This document relates to materials and methods for modulating ligand gated ion channel (LGIC) activity. For example, modified LGICs including at least one

LGIC subunit having a modified ligand binding domain (LBD) and/or a modified ion pore domain (IPD) are provided. Also provided are exogenous LGIC ligands that can bind to and activate the modified LGIC, as well as methods of modulating ion transport across the membrane of a cell of a mammal, methods of modulating the excitability of a cell in a mammal, and methods of treating a mammal having a channelopathy.



21: 2020/03044. 22: 2020/05/22. 43: 2021/09/14
51: G06Q

71: KEKEQIHUO (SHENZHEN) TECHNOLOGIES
CO., LTD.

72: ZU, SHAODE, SHEN, XIANWEI WILLAM

33: SE 31: 1730321-5 32: 2017-11-19

54: SYSTEM AND METHOD FOR VERIFICATION OF RELIABILITY AND VALIDITY OF CROWD SOURCING USERS

00: -

This invention refers to the systems and methods of verifying the reliability and validity of task executed by crowd sourcing users. Key task implementing procedures are computerized and mapped as system events (302) and/or user actions (304), which can trigger data obtaining when users navigate in the platforms and/or systems. The obtained data (300) from the triggered data obtaining is authenticated (108). Stamped data chain (600) is constructed from the obtained data (300). A reference data chain (200) is used to set the expected geographic location and/or time for task

implementing. The reference data chain (200) is generated from the reference information (102) supplied by users. Matching process (112) is implemented by checking if the stamped data chain (600) can match with the preset geographic and/or temporal conditions by the reference data chain (200). The degree of reliability and validity is determined based on the matching results.

21: 2020/03069. 22: 2020/05/25. 43: 2021/09/14

51: A61K; A61P

71: GENZYME CORPORATION

72: LI, Jing, PETERSCHMITT, M. Judith, KANAMALURU, Vanaja, CHEN, Jun, GAEMERS, Sebastiaan J.M., RUDIN, Dan

33: US 31: 62/599,467 32: 2017-12-15

54: METHODS FOR TREATING GAUCHER DISEASE

00: -

Methods for treating Gaucher disease in patients with renal or hepatic impairment.

21: 2020/03092. 22: 2020/05/25. 43: 2021/09/28

51: C07D; A61K; A61P

71: H. LUNDBECK A/S

72: JØRGENSEN, MORTEN, JENSEN, KLAUS GJERVIG, KVÆRNØ, LISBET, JUHL, MARTIN

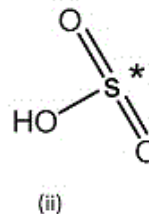
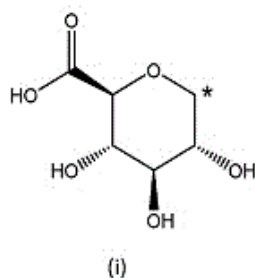
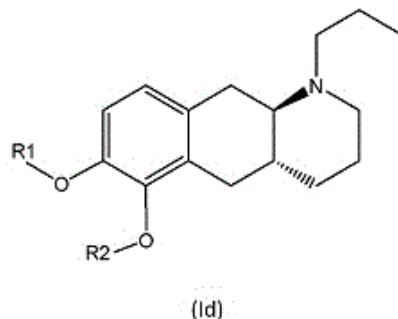
33: DK 31: PA201700674 32: 2017-11-24

54: NEW CATECHOLAMINE PRODRUGS FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE

00: -

The present invention provides compounds of formula (I) that are prodrugs of catecholamine for use in treatment of neurodegenerative diseases and disorders. The present invention also provides pharmaceutical compositions comprising compounds of the invention and methods of treating neurodegenerative or neuropsychiatric diseases and disorders using the compounds of the invention, in particular Parkinson's disease. Accordingly, the present invention relates to compounds of formula (Id) wherein R1 is H and R2 is selected from one of the substituents (i) and (ii) below; or R1 is selected from one of the substituents (i) and (ii) below and R2 is H; or R1 and R2 are both represented by substituent (i) below; or R1 and R2 are both represented by substituent (ii) below; or R1 is substituent (i) and R2 is substituent (ii); or R1 is substituent (ii) and R2 is substituent (i); (i) (ii)

wherein * indicates the attachment point; and wherein the carbon atom at the attachment point on substituent (i) is in the S-configuration; or a pharmaceutically acceptable salt thereof.



21: 2020/03094. 22: 2020/05/25. 43: 2021/09/14

51: F24S; B21D; G02B

71: ABSOLICON SOLAR COLLECTOR AB

72: BYSTRÖM, JOAKIM

33: SE 31: 1751489-4 32: 2017-12-01

33: CN 31: 201811428226.6 32: 2018-11-27

54: METHOD, ARRANGEMENT AND PRODUCTION LINE FOR MANUFACTURING A PARABOLIC TROUGH SOLAR COLLECTOR

00: -

An arrangement (600) for manufacturing a reflector for a PTC from a rectangular reflective structure. The arrangement comprises a tensioning device (604) configured to tension a reflector portion of the rectangular reflective structure, such that a surface of the tensioned reflector portion acquires a curvature perpendicular to the tensioned reflector portion's longitudinal propagation, along the tensioned reflector portion's longitudinal propagation. The arrangement (600) further comprises a fixing device (606) configured to fixate the surface's curvature, such that the tensioned reflector portion remains tensioned. The tensioning device (604) is configured to tension the reflector portion of the rectangular reflective structure by pre-forming the reflector portion to a pre-curvature, and adjusting the pre-curvature by applying a torque at a longitudinal

borderline of the pre-formed portion. Because the reflector will be maintained tensioned by torques only, it will adapt a curvature of a high precision parabola.

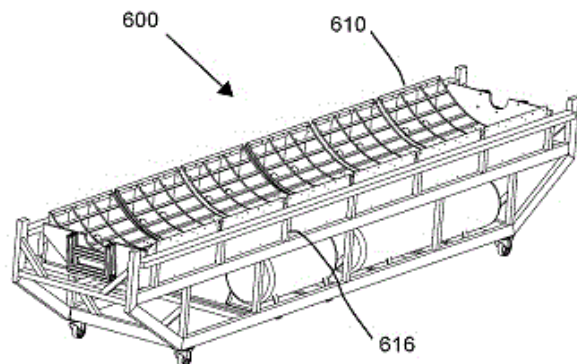


Fig 7a

21: 2020/03098. 22: 2020/05/25. 43: 2021/09/14
51: A61K; A61Q; A61P

71: UNILEVER PLC

72: CHU, CHUNG-CHING, PU, MINGMING, XU, YINING

33: EP 31: 18153401.7 32: 2018-01-25

33: CN 31: PCT/CN2017/116391 32: 2017-12-15

54: TOPICAL COMPOSITION COMPRISING ANTIMICROBIAL LIPID

00: -

Disclosed is a topical composition comprising an antimicrobial lipid found in the sebum or stratum corneum of human beings, other than saturated C_{8-18} fatty acids, wherein said composition further comprises a biphenol obtainable from *Magnolia spp.* Also disclosed is a method of providing topical antimicrobial benefit comprising a step of applying a safe and effective amount of the topical antimicrobial composition.

21: 2020/03102. 22: 2020/05/26. 43: 2021/09/02

51: A61K; C07B; C07F; A61P

71: UNIVERSITY OF THE FREE STATE, UNIVERSITÄT ZÜRICH

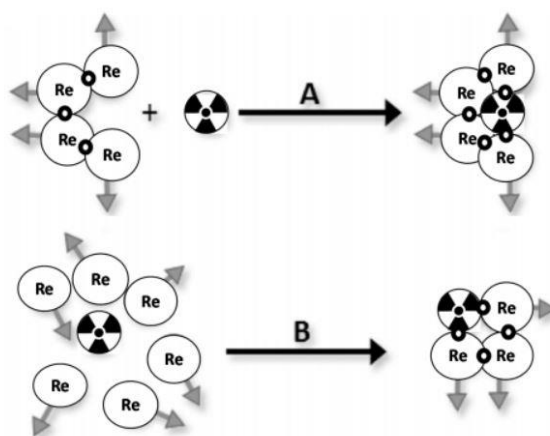
72: ROODT, Andreas, ALBERTO, Roger Ariel, FREI, Angelo, MOKOLOKOLO, Petrus Pennie, BOLLINGER, Robin Kim, BRINK, Alice, KAMA, Dumisani Vincent

33: ZA 31: 2017/08729 32: 2017-12-21

54: MULTINUCLEAR COMPLEXES AND THEIR PREPARATION

00: -

Multinuclear complexes and methods for preparing them are provided. The discrete multinuclear complexes include a one or more transition metals and a radioisotope having the same coordination geometry as the transition metal. A bridging ligand is coordinated to the transition metal and the radioisotope to link the transition metal and the radioisotope and pendent ligands are coordinated to each of the transition metal and the radioisotope to stabilise the complex. The multinuclear complexes may include a radioisotope or radioelement that can be detected by medical equipment and may find use in therapy and/or the diagnosis of disease in patients.



21: 2020/03104. 22: 2020/05/26. 43: 2021/09/14
51: E02F

71: METALOGENIA RESEARCH & TECHNOLOGIES S.L.

72: ROL CORREDOR, JAVIER, PÉREZ SORIA, FRANCISCO, TRIGINER BOIXEDA, JORGE, MARTÍNEZ MAÑÉ, ANGEL, LÓPEZ REQUEJO, SERGIO, AMAT HOLGADO, CARLOS

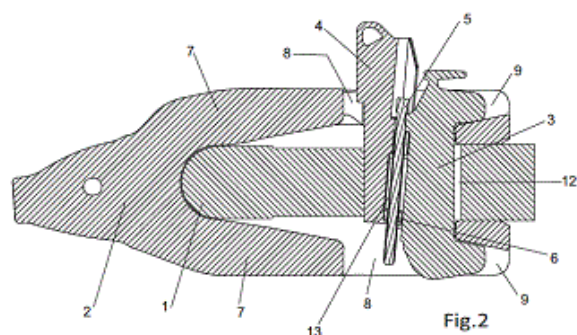
33: EP 31: 17380027.7 32: 2017-12-13

54: FIXING MEANS FOR FIXING A WEAR ELEMENT ON THE FRONT EDGE OF A SUPPORT

00: -

The present invention relates to fixing means for fixing a wear element (2) on a support (1), where the wear element (2) comprises two arms (7) wrapping around the front edge (11) of the support. The fixing means comprise: [a] a C-shaped body (3), [b] a wedge (4), [c] a screw (5) with a shank, with a first segment (15) having a smaller diameter than the head (14), a second segment (16) having a larger diameter than the first segment (15), and a threaded

segment (17), and [d] a nut (6). The shank of the screw is housed between the wedge (4) and the body (3). The C-shaped body (3) has a C-shaped projection (18) suitable for housing the first segment (15) of the screw (5). The projection (18) has substantially the same height as the first segment (15). Neither the head (14) nor the second segment (16) can go through the projection (18). The wedge (4) has a first projection (19) and a second projection (20). Both projections (19, 20) have through holes (21, 22) suitable for allowing the passage of the threaded segment (17) and suitable for blocking the passage of the nut (6), and the distance between both projection (19, 20) is greater than the height of the nut (6).

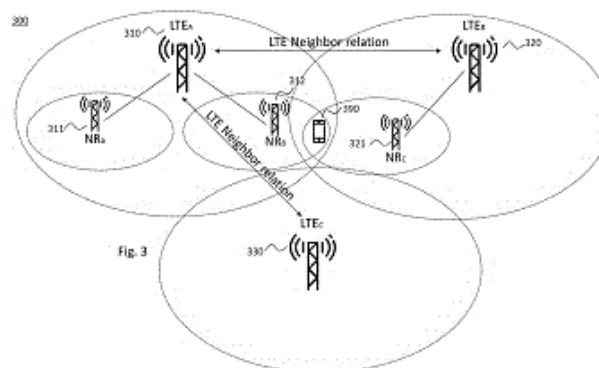


21: 2020/03105. 22: 2020/05/26. 43: 2021/09/14
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: ZETTERBERG, KRISTINA, RAMACHANDRA, PRADEEPA, FRENGER, PÅL
33: EP 31: PCT/EP2017/081033 32: 2017-11-30
54: METHOD AND APPARATUS FOR UPDATING NEIGHBORING BASE STATION RELATIONS

00: -

A method in a serving radio base station (310, 510, 720) of a first radio access network, serving a wireless radio device (390, 590, 790), comprising or initiating the steps of: - receiving a measurement report, wherein the measurement report is based on a reference signal received by the wireless radio device (390, 590, 790) from a radio base station (321, 521, 711) in a further radio access network; - sending an identification request referring to the radio base station (321, 521, 711) in the further radio access network to at least one neighbor radio base station (311, 312, 320, 330, 522, 512, 530, 721, 722,

730) of the serving radio base station (310, 510, 720); - establishing a neighbor relation using the information about the identification of the radio base station (321, 521, 711) in the further radio access network, based on received identification information.



21: 2020/03106. 22: 2020/05/26. 43: 2021/09/14
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: DA SILVA, ICARO L. J, TEYEB, OUMER, RAMACHANDRA, PRADEEPA
33: US 31: 62/592,216 32: 2017-11-29
54: MEASUREMENT REPORTING CONFIGURATION FOR AIDING THE SORTING OF BEAM/CELL LEVEL MEASUREMENTS

00: -

According to certain embodiments, a method performed by a wireless device (110) for measurement reporting includes sorting a plurality of measurements for a measurement report based on at least one measurement quantity. The method further includes reporting, to a network node (160), measurement information selected from the plurality of measurements sorted based on the at least one measurement quantity.

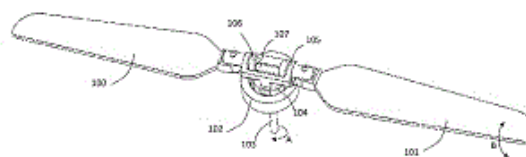
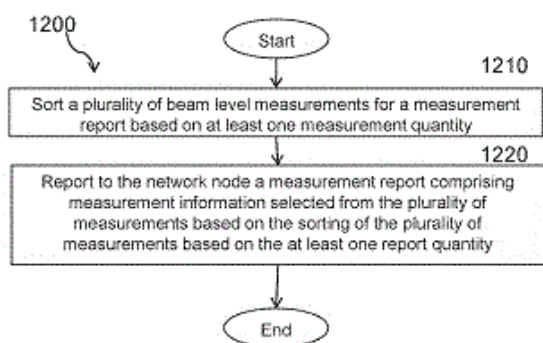


FIGURE 1A

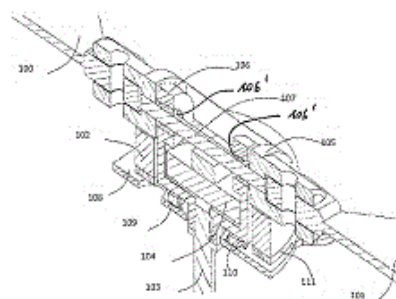


FIGURE 1B

21: 2020/03111. 22: 2020/05/26. 43: 2021/09/14

51: B64C

71: FLYBOTIX SA

72: BOUABDALLAH, SAMIR

33: US 31: 62/585,576 32: 2017-11-14

54: SYSTEM FORMING A TWO DEGREES OF FREEDOM ACTUATOR, FOR EXAMPLE FOR VARYING THE PITCH ANGLE OF THE BLADES OF A PROPELLER DURING ROTATION

00: -

A two degrees of freedom actuator for example for multi-bladed rotor of an aircraft with at least two blades that are driven in rotation about a main rotation axis by primary actuator, and a secondary actuator that is arranged to rotate each of said blades about the respective blades' longitudinal axis, with a synchronization means that is operatively arranged for driving the secondary actuator based on an azimuth of the rotor about the main axis for obtaining a determined cyclic pitch of a given amplitude for each blade depending on the azimuth of the rotor.

21: 2020/03115. 22: 2020/05/26. 43: 2021/09/14

51: G21C

71: Joint-Stock Company "Atomenergoproekt", Joint

Stock Company "Science and Innovations"

72: SIDOROV, Aleksandr Stalevich, SIDOROVA, Nadezhda Vasilevna

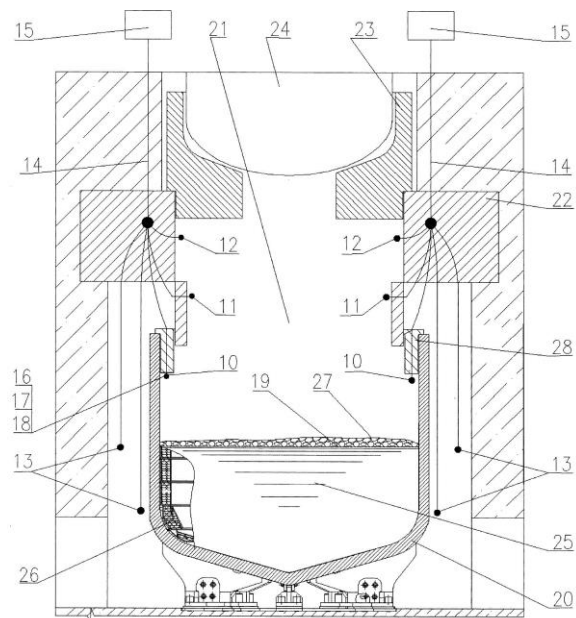
33: RU 31: 2018138641 32: 2018-11-01

54: COOLING METHOD FOR REACTOR MOLTEN CORE MELT AND COOLING CONTROL SYSTEM FOR REACTOR MOLTEN CORE

00: -

The group of inventions relates to systems for the safe operation of nuclear power stations in the event of an emergency. A method for cooling nuclear reactor core melt consists in determining the location of molten core fragments within a reactor vessel and the status of core penetration on the basis of information obtained from temperature sensors mounted inside the nuclear reactor, supplying a coolant to the reactor core, and increasing or reducing the volume of coolant supplied to the core after penetration of the reactor vessel. The degree of damage to the reactor vessel and the time of commencement of melt efflux from the vessel into a core catcher are determined. Coolant is supplied to the housing of the core catcher with a predetermined time delay. The time of commencement of crust formation, the time of cessation of aerosol release, the time of completion of vapour sorption, and the time of hydrogen formation are determined. The volume of coolant supplied is regulated taking into

account the thermophysical properties of certain media, and the volume of coolant supplied is regulated taking into account minimum and maximum water levels in the reactor cavity. A system for monitoring the cooling of nuclear reactor core melt is also provided. The result is more efficient cooling of nuclear reactor core melt.



21: 2020/03117. 22: 2020/05/26. 43: 2021/09/14
51: G21C

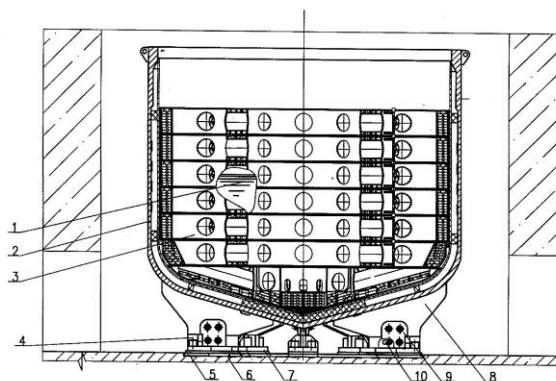
71: Joint-Stock Company "Atomenergoproekt", Joint Stock Company "Science and Innovations"
72: SIDOROV, Aleksandr Stalevich, DZBANOVSKAYA, Tatyana Yaropolkovna, ROSHCHIN, Mihail Aleksandrovich
33: RU 31: 2018133761 32: 2018-09-25

54: DEVICE FOR CONFINING NUCLEAR REACTOR CORE MELT

00: -

The invention relates to the field of nuclear engineering, and more particularly to systems which provide for the safety of nuclear power plants, and can be used in the event of serious accidents leading to core meltdown, destruction of the reactor housing and the escape of melt into the sealed containment structure of a nuclear power plant. The technical result of the claimed invention is an increase in the reliability of a device for confining nuclear reactor core melt. This technical result is achieved by using a lower support in a device for confining nuclear reactor core melt, said lower

support consisting of radial supports of a horizontal embedded plate, and radial supports mounted in the bottom part of the housing of a melt trap, said supports being connected to one another by fastening members, wherein the radial supports and the fastening members have oval apertures.



21: 2020/03120. 22: 2020/05/26. 43: 2021/09/14
51: B62D

71: ContiTech Transportbandsysteme GmbH

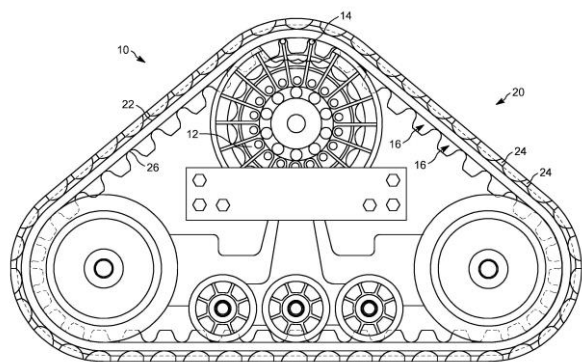
72: BACHIR, Mohamad, WELLMAN, Ronald

33: US 31: 15/823,650 32: 2017-11-28

54: RUBBER TRACK WHEEL PATH REINFORCEMENT

00: -

An endless rubber track belt(20)includes an endless, elongate carcass having an outer surface (22), an inner surface (26), and at least one reinforcement layer (32). The inner surface defines a plurality of wheel path areas (27) (29). A plurality of tread lugs(24)are disposed on the outer surface (22). A plurality of guide lugs (16) are disposed on the inner surface(26), where each of the plurality of guide lugs (16) includes oppositely disposed drive faces(17) (19), an upper face (21) between the drive faces (17) (19), and oppositely disposed end faces (23) (25). At least one reinforcement strip (40) (42) (44) is disposed inward from the inner surface (22) and outward from the at least one reinforcement layer (32). The at least one reinforcement strip (40) (42) (44) is positioned adjacent the plurality of wheel path areas (27) (29). The at least one reinforcement strip (40) (42) (44) may include a bias ply formed of two layers of cords arranged in opposite +/-bias angles. The +/-bias angles may range from about +/-20° to about +/-80°.



21: 2020/03122. 22: 2020/05/26. 43: 2021/09/14

51: G01N; G01R

71: Anhui University of Science and Technology

72: ZHANG, Pingsong, LI, Shenglin, CHENG, Hua, OU, Yuanchao, LIU, Chang

54: ROCK CORE HOLDER AND ROCK CORE TESTING DEVICE

00: -

The present invention provides a rock core holder and a rock core testing device. The rock core holder includes: a base provided with a groove, where the groove is configured to accommodate a rock core; a first detecting portion and a second detecting portion, oppositely disposed on two opposite side walls of the groove, where the first detecting portion and the second detecting portion can operate to transmit a signal to one end of the rock core and receive the signal transmitted through the rock core at the other end when contacting two end surfaces of the rock core, respectively, and the first detecting portion is movable in a propagation direction of the signal; and a distance measuring component disposed on the base, where the distance measuring component is disposed in parallel with the propagation direction of the signal. The present solution is used to test parameters of the rock core.

21: 2020/03141. 22: 2020/05/27. 43: 2021/09/14

51: C07C

71: DALIAN INSTITUTE OF CHEMICAL PHYSICS, CHINESE ACADEMY OF SCIENCES

72: NI, YOUJING, ZHU, WENLIANG, LIU, ZHONGMIN, LIU, YONG, CHEN, ZHIYANG, LIU, HONGCHAO, MA, XIANGANG, LIU, SHIPING

33: CN 31: 201711133301.1 32: 2017-11-15

54: METHOD FOR DIRECTLY PREPARING P-XYLENE FROM SYNTHETIC GAS AND AROMATIC HYDROCARBON

00: -

Disclosed is a method for directly preparing p-xylene from synthetic gas and aromatic hydrocarbon. The method comprises: contacting the feedstock containing synthetic gas and aromatic hydrocarbon excluding p-xylene with the catalyst in the reaction zone under reaction conditions sufficient to convert at least part of the feedstock to obtain a reaction effluent containing p-xylene; and separating p-xylene from the reaction effluent, wherein the catalyst comprises a highly dispersed metal oxide material confined by an inert carrier, an acidic molecular sieve, and optionally at least one of graphite powder and dispersant, wherein in the highly dispersed metal oxide material confined by the inert carrier, the inert carrier is at least one of silicon oxide and alumina, and the content of the metal oxide in terms of metal is less than or equal to 10% by mass calculated based on the weight of the highly dispersed metal oxide material confined by the inert carrier, and wherein the acidic molecular sieve is one selected from a group consisting of modified acidic ZSM-5 molecular sieve, modified acidic ZSM-11 molecular sieve and mixtures thereof.

21: 2020/03145. 22: 2020/05/27. 43: 2021/09/14

51: C12N; A61K

71: 4D MOLECULAR THERAPEUTICS INC.

72: KIRN, DAVID, KOTTERMAN, MELISSA, SCHAFFER, DAVID, SZYMANSKI, PAUL, FRANCIS, PETER

33: US 31: 62/590,976 32: 2017-11-27

33: US 31: 62/664,726 32: 2018-04-30

54: ADENO-ASSOCIATED VIRUS VARIANT CAPSIDS AND USE FOR INHIBITING ANGIOGENESIS

00: -

Provided herein are variant adeno-associated virus (AAV) capsid proteins having one or more modifications in amino acid sequence relative to a parental AAV capsid protein, which, when present in an AAV virion, confer increased infectivity of one or more types of retinal cells as compared to the infectivity of the retinal cells by an AAV virion comprising the unmodified parental AAV capsid protein. Also provided are recombinant AAV virions and pharmaceutical compositions thereof comprising a variant AAV capsid protein as described herein, methods of making these rAAV capsid proteins and virions, and methods for using these rAAV capsid

proteins and virions in research and in clinical practice, for example in, e.g., the delivery of nucleic acid sequences to one or more cells of the retina for the treatment of retinal disorders and diseases.

21: 2020/03147. 22: 2020/05/27. 43: 2021/09/14

51: B65D

71: UNILEVER PLC

72: LALIER, GREGORY

33: EP 31: 18159378.1 32: 2018-03-01

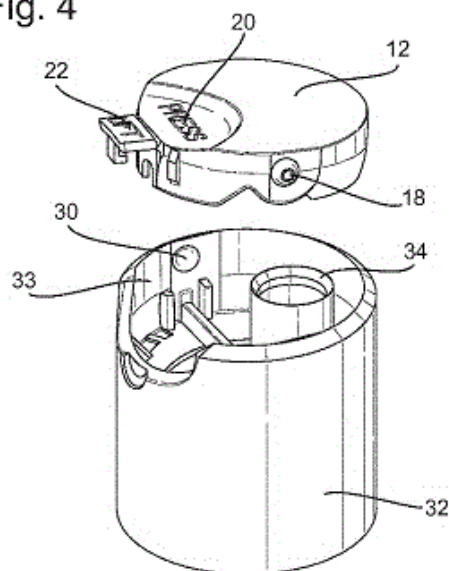
33: US 31: 62/611,502 32: 2017-12-28

54: CLOSURE

00: -

A pivotable disc closure actuator (10), a closure including the actuator and the closure combined with a bottle or other container. The actuator includes a closing surface (12) comprising a product dispensing opening at a front thereof, at least two pivots (18) on the closing surface, an extension panel (22) extending from a peripheral wall of the closing surface and having a locking and an unlocking position, the pivots being intermediate the product opening and the extension panel, and the extension panel having a latch member (24) extending inwardly toward the closing surface when the extension panel is in the locked position. The closure includes a closure base (32) which may in turn include a cutout or opening (40) in its outer wall. In its locked position the extension panel may rest on a surface of the cut out or outer wall to prevent the actuator from rotating from its closed position to an open position.

Fig. 4



21: 2020/03159. 22: 2020/05/27. 43: 2021/09/06

51: A61K; A61P

71: Merck Sharp & Dohme Corp.

72: SMITH, William J., MCHUGH, Patrick, WINTERS, Michael Albert, SKINNER, Julie M., HE, Jian, MUSEY, Luwy, ABEYGUNAWARDANA, Chitrananda, CUI, Yadong Adam, KOSINSKI, Michael J.

33: US 31: 62/595,388 32: 2017-12-06

54: COMPOSITIONS COMPRISING STREPTOCOCCUS PNEUMONIAE POLYSACCHARIDE-PROTEIN CONJUGATES AND METHODS OF USE THEREOF

00: -

The invention is related to multivalent immunogenic compositions comprising more than one *S. pneumoniae* polysaccharide protein conjugates, wherein each of the conjugates comprises a polysaccharide from an *S. pneumoniae* serotype conjugated to a carrier protein, wherein the serotypes of *S. pneumoniae* are as defined herein. In some embodiments, at least one of the polysaccharide protein conjugates is formed by a conjugation reaction comprising an aprotic solvent. In further embodiments, each of the polysaccharide protein conjugates is formed by a conjugation reaction comprising an aprotic solvent. Also provided are methods for inducing a protective immune response in a human patient comprising administering the multivalent immunogenic compositions of the invention to the patient. The multivalent immunogenic compositions are useful for providing protection against *S. pneumoniae* infection and diseases caused by *S. pneumoniae*. The compositions of the invention are also useful as part of treatment regimens that provide complementary protection for patients that have been vaccinated with a multivalent vaccine indicated for the prevention of pneumococcal disease.

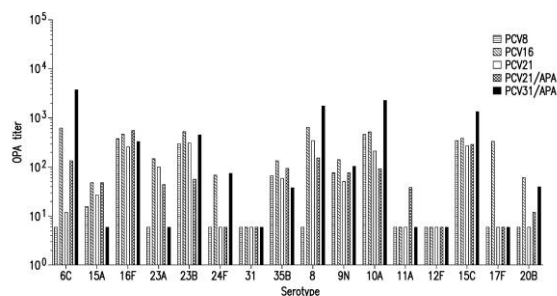
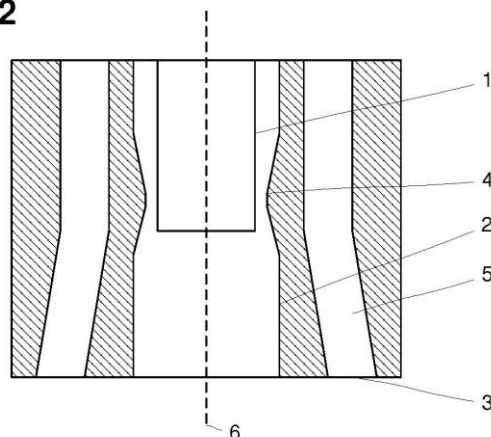


FIG.31A

Fig. 2



21: 2020/03160. 22: 2020/05/27. 43: 2021/08/24

51: C21C

71: Linde GmbH

72: CAMERON, Andrew

33: EP(DE) 31: 17020559.5 32: 2017-12-06

54: PROCESS FOR INJECTING PARTICULATE MATERIAL INTO A LIQUID METAL BATH

00: -

The invention relates to a process for injecting particulate material into a liquid metal bath wherein the liquid metal bath contains species to be oxidized, wherein the particulate material is carried to the liquid bath by means of a first gas stream. The solids injection rate is controlled such that the liquid bath temperature and/or the evolution of the liquid bath temperature is maintained within a pre-defined temperature range and the penetration depth of the first gas stream into the liquid bath is controlled by adjusting the flow of the first gas stream. At least one second gas stream is injected into the liquid, wherein the first and the second gas streams are an oxidizing gas, in particular oxygen, and the sum of the gas flows of the first and the second gas streams is determined based on the mass of the species to be oxidized and on the desired time for oxidizing the mass of the species.

21: 2020/03173. 22: 2020/05/28. 43: 2021/09/14

51: C12M

71: Innovation Hammer LLC

72: NONOMURA, Arthur M.

33: US 31: 61/561,992 32: 2011-11-21

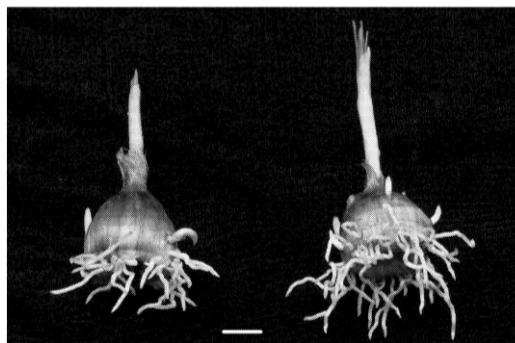
54: METHODS AND SYSTEMS FOR GROWING PLANTS USING SILICATE-BASED SUBSTRATES, CULTIVATION OF ENHANCED PHOTOSYNTHETIC PRODUCTIVITY AND PHOTOSAFENING BY UTILIZATION OF EXOGENOUS GLYCOPYRANOSIDES FOR ENDOGENOUS GLYCOPYRANOSYL-PROTEIN DERIVATIVES, AND FORMULATIONS, PROCESSES AND SYSTEMS FOR THE SAME

00: -

Methods for promoting plant growth based on novel photosafening treatment regimes with glycopyranosides including glycopyranosylglycopyranosides, and aryl- α -D-glycopyranosides, and more specifically, with one or more compounds comprising terminal mannosyl-triose, optionally in the presence of light enhanced by one or more light reflecting and/or refracting members such as silicon-based substrates.

Furthermore, chemical synthesis processes for the above compounds are disclosed for general application to plants. Silicate microbeads of the like are distributed over the ground or substrate in which roots of a plant are supported and planted, beneath and around a plant in a manner that light is refracted or reflected toward the phylloplane.

APM-treated *Crocus* (right) shows advanced root and shoot development as compared to Control (left) when hydroponically cultivated in 700 μm nmd sodalime silicate microbeads. (Scale bar, 1 cm)



21: 2020/03179. 22: 2020/05/28. 43: 2021/09/14
51: B01F; C12M

71: TALIS BIOMEDICAL CORPORATION
72: CAULEY, THOMAS H. III, ROLFE, DAVID

33: US 31: 16/029,216 32: 2018-07-06

33: US 31: 62/591,370 32: 2017-11-28

54: MAGNETIC MIXING APPARATUS

00: -

This disclosure relates to a magnetic mixing apparatus that mixes a sample contained in a mixing chamber using a stir bar, while minimizing the amount of contact between the stir bar and walls of the mixing chamber. In one aspect, the apparatus comprises a ferromagnetic stir bar contained in the mixing chamber, and a driving magnet and a driven magnet located on opposite sides of the mixing chamber. The driving magnet, the driven magnet, and the ferromagnetic stir bar are each capable of rotating about a respective axis. The driving magnet, the driven magnet, and the ferromagnetic stir bar are magnetically coupled such that rotation of the driving magnet induces rotation of the driven magnet and rotation of the driving magnet and the driven magnet induce rotation of the ferromagnetic stir bar. In some embodiments, rotation of the ferromagnetic stir bar within the mixing chamber mixes the sample contained within the mixing chamber.

21: 2020/03181. 22: 2020/05/28. 43: 2021/09/14
51: C11D

71: UNILEVER PLC

72: ACHARYA, KOU SHIK, SARKAR, ARPITA,
SUBRAHMANIAM, NARAYANAN

33: EP 31: 17206621.9 32: 2017-12-12

54: FOAMABLE CLEANING COMPOSITION

00: -

The present invention relates to a pre-treatment composition for the cleaning of fabrics, especially a sprayable foamable liquid cleaning composition. It is an object of the present invention to provide a sprayable foamable liquid cleaning composition for the pretreatment of fabric which has superior soil removal properties for a wide variety of stains. It is yet another object of the present invention to provide a foamable cleaning composition having a pH of less than 4 which provides good stain removal benefits without compromising on the stability of the isotropic solution or foam structure. We have found that a foamable liquid composition providing a stable foam which exhibits dilutability, homogeneity in solution, excellent cleaning performance on various stain types can be prepared when higher levels of solvents and low pH are combined with specific amounts of alkoxylated anionic surfactant, nonionic surfactant, amphoteric surfactant and at specific ratios between the surfactant and solvents.

21: 2020/03182. 22: 2020/05/28. 43: 2021/09/14

51: A61K: C07F

71: LUNELLA BIOTECH, INC.

72: LISANTI, MICHAEL P, SOTGIA, FEDERICA

33: US 31: 62/590,432 32: 2017-11-24

54: TRIPHENYLPHOSPHONIUM-DERIVATIVE COMPOUNDS FOR ERADICATING CANCER STEM CELLS

00: -

Tri-phenyl-phosphonium (TPP) is a non-toxic chemical moiety that functionally behaves as a mitochondrial targeting signaling in living cells. TPP-related compounds may be utilized to target mitochondria in cancer stem cells (CSCs), and may be used for treating and/or preventing tumor recurrence, metastasis, drug resistance, and/or radiotherapy resistance, as well as for anti-cancer therapies. Various TPP-related compounds validated for oxygen consumption inhibition (OCR), were non-toxic, and had little or no effect on ATP production in normal human fibroblasts. Yet these compounds selectively target adherent "bulk" cancer cells. These compounds also inhibit the propagation of CSCs in suspension. TPP-related compounds provide a novel chemical strategy for effectively targeting both i) "bulk" cancer cells and ii) CSCs, while specifically minimizing or avoiding off-target side-effects in normal cells, among other useful therapies.

21: 2020/03183. 22: 2020/05/28. 43: 2021/09/14

51: A61K; A61Q

71: UNILEVER PLC

72: DOBKOWSKI, BRIAN JOHN, MENG, SHENG, SONG, WENHUI, YANG, XIAOXIA, ZHAO, WEI

33: CN 31: PCT/CN2017/115580 32: 2017-12-12

33: EP 31: 18150585.0 32: 2018-01-08

54: COSMETIC COMPOSITIONS COMPRISING SILICONE ELASTOMER AND EMOLLIENT

00: -

Disclosed is a cosmetic composition comprising (i) 1 to 30 wt% of a non-hydrocarbon emollient; and (ii) 2 to 60 wt% of a blend of silicone elastomer gel of the Formula (I) and solvent; wherein the solvent for the silicone elastomer gel is selected from cyclic or linear polydimethylsiloxanes; wherein the w/w ratio of the amount of the non-hydrocarbon emollient to the combined amounts of the silicone elastomer gel and said solvent is from 1:50 to 1:1 and where the amount of the non-hydrocarbon emollient is less than the amount of the silicone elastomer gel; and wherein the composition comprises less than 2 wt% capric caprylic triglycerides and less than 5 wt% crosslinked elastomeric silicone polyether, wherein said non-hydrocarbon emollient is an alkenyl or alkyl ester of a C10-20 fatty acid, an ether-ester, a

polyhydric alcohol ester, a wax ester, a mono-, di- or triglyceride, a sterol ester, a fatty alcohol, a fatty acid, lanolin or its derivative, wax ester, a phospholipid, beeswax or a sterol.

21: 2020/03202. 22: 2020/05/29. 43: 2021/09/07

51: E21C; E21F; G01N

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

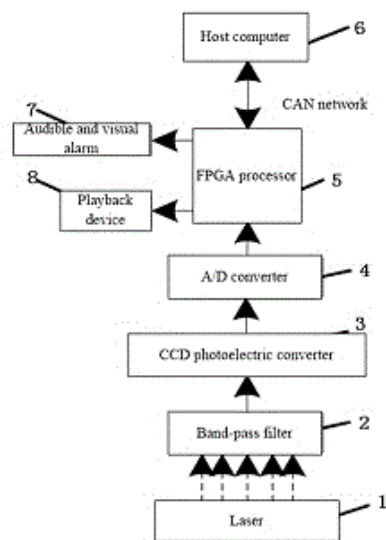
72: YAN, PENGCHENG, SHANG, SONGHANG, YIN, NINI, HU, FENG, SUN, QUANSHENG, CHEN, HAOWEN, FU, XIAOQI, FANG, SIYUAN, YANG, CUIPING, QIN, XIAO

33: CN 31: 202010151294.3 32: 2020-03-06

54: SYSTEM AND METHOD FOR ANALYZING AND ALARMING AGAINST UNDERGROUND INRUSH WATER SOURCE TYPE

00: -

The present invention relates to a system and method for analyzing and alarming against an underground inrush water source type. The laser is used to emit laser light to a to-be-detected inrush water body, and the to-be-detected inrush water body emits excitation light after being excited by the laser light. The data acquisition module receives excitation light and converts the excitation light into digital spectral data. The FPGA processor converts the digital spectral data into controller area network (CAN) spectral frame data. The host computer obtains all inrush water source types and a proportion of respective inrush water source types included in the to-be-detected inrush water body according to the CAN spectral frame data, obtains an alarm message according to the inrush water source types or the proportion of respective inrush water source types. The FPGA processor controls the alarm module to perform an alarm according to the alarm message.



21: 2020/03245. 22: 2020/05/29. 43: 2021/09/14
51: B44C; A44C
71: AKTSIONERNOE OBSHCHESTVO "GOZNAK"
(AO "GOZNAK")

72: TRACHUK, ARKADIY VLADIMIROVICH,
KURYATNIKOV, ANDREY BORISOVICH,
KORNILOV, GEORGIY VALENTINOVICH,
FEDOROVA, ELENA MIKHAILOVNA, AKININ,
ALEXEY BORISOVICH, ZHAVORONKOV,
KONSTANTIN GENRIKHOVICH, BOEV, SERGEY
NIKOLAEVICH, SHCHEPIN, VIKTOR
GENNADIEVICH, KHARLAMOV, KONSTANTIN
VLADIMIROVICH

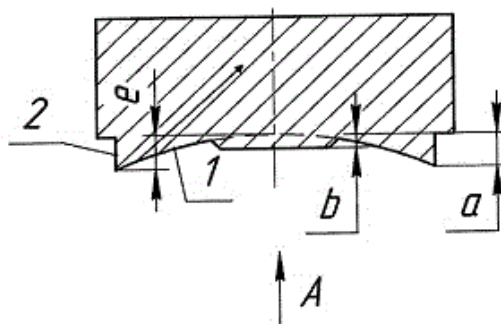
33: RU 31: 2018102690 32: 2018-01-24

54: DEVICE FOR MANUFACTURING A COMPOSITE ARTICLE (VARIANTS) AND ARTICLE

00: -

The invention relates to the field of inorganic and polymer chemistry and can be used in the manufacture of multi-layered composite articles, for example coin-like articles such as coins, medals, tokens, etc., consisting of at least two elements, preferably made of different materials, and also relates to articles obtained using a device for manufacturing same, and more particularly to embossing devices. An embossing tool for forming a coin-like article having a composite insert is comprised of a cylindrical blank, and a relief. The relief is configured on one of the faces of said blank, said face consisting of a peripheral portion and a central portion. The central portion is disposed lower than the peripheral portion. The relief, disposed in the central portion, is formed by the intersection of

second order surfaces of revolution having structural transitions and an engraving. The engraving is disposed on spherical or conical surfaces. On a lateral surface of an element of the article is an edge which is less than or equal in height to the interface between two structural elements of the coin-like article, namely a metallic ring and a composite insert. The invention makes it possible to securely join two structural elements of a coin-like article, namely a metallic ring and a composite insert, without damaging the latter.



21: 2020/03288. 22: 2020/06/02. 43: 2021/09/14
51: C03C

71: ARKEMA B.V.

72: HOEKMAN, LEENDERT CORNELIS

33: EP 31: 17210519.9 32: 2017-12-22

33: EP 31: 17210515.7 32: 2017-12-22

54: COATING COMPOSITION FOR GLASS CONTAINERS

00: -

The present invention relates to a coating composition for glass container. In particular it relates to a coating composition for returnable glass containers. The present invention relates to the use of an aqueous composition comprising a coating composition suitable for returnable glass container and its process of application.

21: 2020/03289. 22: 2020/06/02. 43: 2021/09/14
51: C07D

71: DENALI THERAPEUTICS INC.

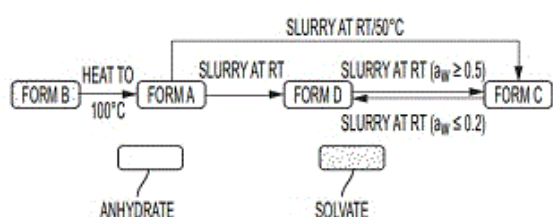
72: REMARCHUK, TRAVIS, SUDHAKAR,
ANANTHA

33: US 31: 62/589,276 32: 2017-11-21

54: POLYMORPHS AND SOLID FORMS OF A PYRIMIDINYLAMINO-PYRAZOLE COMPOUND, AND METHODS OF PRODUCTION

00: -

The present disclosure relates to crystalline polymorph and amorphous forms 2-methyl-2-(3-methyl-4-(4-(methylamino)-5-(trifluoromethyl)pyrimidin-2-ylamino)-1H-pyrazol-1-yl)propanenitrile or solvates, tautomers, and pharmaceutically acceptable salts or cocrystals thereof, and processes for their preparation.



21: 2020/03290. 22: 2020/06/02. 43: 2021/09/06

51: A61K; A23L

71: OMYA INTERNATIONAL AG

72: BUDDE, TANJA, SHARMA, LALIT

33: EP 31: 18154469.3 32: 2018-01-31

54: USE OF FUNCTIONALIZED CALCIUM CARBONATE AS ACTIVE INGREDIENT

00: -

The present invention relates to a dosage form comprising functionalized calcium carbonate serving as active ingredient. The invention further relates to the use of the dosage form as nutritional supplement or as a medicament and to the use of functionalized calcium carbonate as active ingredient, preferably in the field of calcium fortification and in the treatment of calcium deficiency.

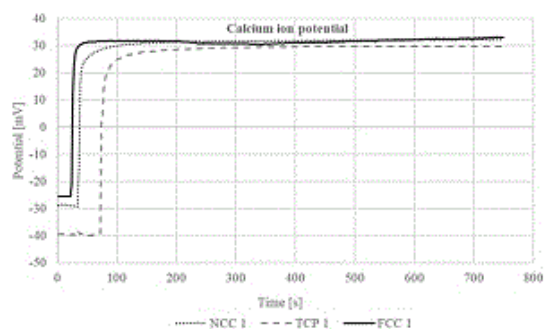


Figure 1. Calcium ion potential with different calcium sources.

21: 2020/03292. 22: 2020/06/02. 43: 2021/09/14

51: A23J; A23L; A23P

71: UNILEVER PLC

72: ARNAUDOV, LUBEN NIKOLAEV, VAN DER HIJDEN, HENDRIKUS THEODORUS WILHELMUS MARIA, KO, MELIANA, VREEKER, ROBERT
33: EP 31: 17209950.9 32: 2017-12-22

54: PLANT-PROTEIN-BASED STRUCTURANTS

00: -

The present invention relates to a solid, particulate plant-protein-based structurant composition comprising, based on total dry matter, a) 50-95 wt.% plant derived protein, b) 5-10 wt.% xanthan gum, c) 1-30 wt.% glucono delta lactone-derived acidulant. The invention further relates to a food product comprising said structurant composition. The invention further relates to a method for the preparation of said structurant composition and to a process for preparing a food product using said structurant composition.

21: 2020/03293. 22: 2020/06/02. 43: 2021/09/14

51: B01J; C07C

71: CHEVRON PHILLIPS CHEMICAL COMPANY LP

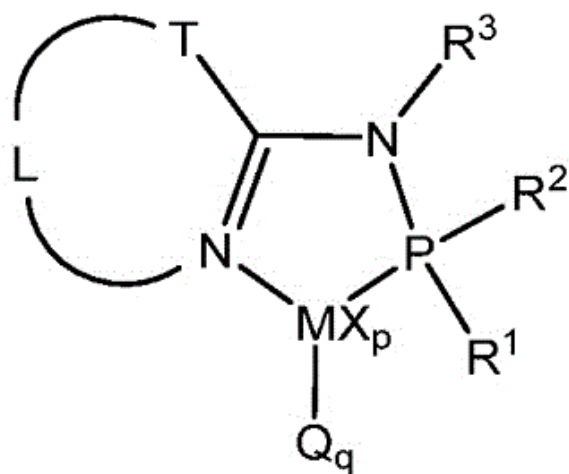
72: KILGORE, URIAH, BISCHOF, STEVEN

33: US 31: 15/828,921 32: 2017-12-01

54: CATALYST SYSTEMS AND ETHYLENE OLIGOMERIZATION METHOD

00: -

Disclosed herein is a catalyst system comprising (i) a heterocyclic 2-[(phosphinyl)aminy]imine transition metal compound complex having Structure I wherein T is oxygen or sulfur, R¹ and R² are each independently a C₁ to C₂₀organyl group consisting essentially of inert functional groups, R³ is hydrogen or a C₁ to C₂₀organyl group, L is a C₁ to C₂₀organylene group consisting essentially of inert functional groups, MX_p represents a transition metal compound where M is a transition metal, X is a monoanion, and p is an integer from 1 to 6, Q is a neutral ligand, and q ranges from 0 to 6, and (ii) an organoaluminum compound. Also disclosed herein is a process comprising contacting (i) ethylene, (ii) a catalyst system comprising (a) a heterocyclic transition metal compound complex having Structure I as described herein and (b) an organoaluminum compound, and (iii) optionally hydrogen to form an oligomer product.

**Structure I**

21: 2020/03294. 22: 2020/06/02. 43: 2021/09/14

51: C11D

71: UNILEVER PLC

72: BANGAL, AMALENDU, HIBARE, SUJITKUMAR SURESH, SUBRAHMANYAM, NARAYANAN

33: EP 31: 17206690.4 32: 2017-12-12

54: HIGH MOISTURE RETAINING STRUCTURING SYSTEM FOR DETERGENT COMPOSITION

00: -

The present invention relates to a structuring system having hydrated sodium carbonate, which holds high levels of moisture. The present invention also relates to detergent composition and in particular detergent bars having the structuring system without compromising on bar properties. It is an object of the present invention to provide a detergent composition containing the structuring system that retains high levels of moisture without negatively affecting the physical appearance or other sensory attributes. We have found that the object of the invention can be achieved by the structuring system of the present invention. In particular, it was surprisingly found that an improved structuring system having a combination of hydrated sodium carbonate and a hydrated aluminium material, silica material or a mixture thereof can be used to provide detergent composition that is capable of retaining high levels of moisture without compromising on the physical properties and sensorial attributes.

21: 2020/03295. 22: 2020/06/02. 43: 2021/09/14

51: E02F

71: CATERPILLAR INC.

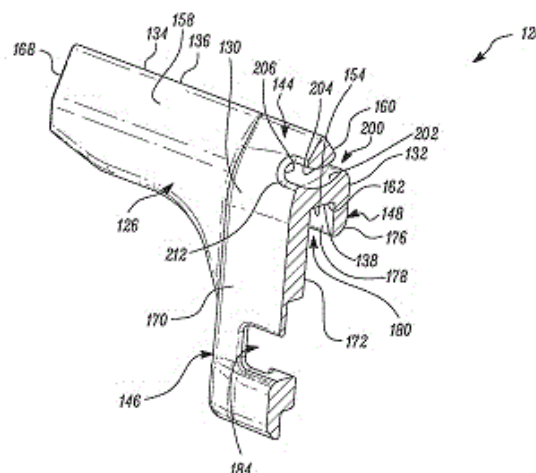
72: BJERKE, NATHAN

33: US 31: 15/826,942 32: 2017-11-30

54: A WEAR MEMBER FOR A WORK TOOL

00: -

A wear member (120) for attachment with a work tool (100) includes a body portion (126) configured to be coupled to the work tool. The body portion (126) includes a first outer surface (130), a second outer surface (132) positioned opposite the first outer surface, a coupling surface (138) configured to engage the work tool, and a wear surface (134) disposed along a front edge of the body portion. The wear member further includes a lifting passage (200) extending through the body portion from the first outer surface to the second outer surface and is positioned between the wear surface and the coupling surface.



21: 2020/03351. 22: 2020/06/04. 43: 2021/09/14

51: E02D; E04B; E04C

71: TENSAR INTERNATIONAL CORPORATION

72: LIEW, WILLIE, PERALTA, ANDRES F, WISSMANN, KORD J, LUPTAK, STEPHEN A, SMITH, AARON D

33: US 31: 62/596,939 32: 2017-12-11

54: THIN STABILIZED SEGMENTAL WALL BLOCKS, SOIL REINFORCING SYSTEM, AND METHODS

00: -

A segmental wall block, soil reinforcing system, and method related thereto, wherein the wall block may be used for constructing retaining walls. In one embodiment, the segmental wall block may include:

a front face; a rear face; a slot disposed along the rear face; a troughed top face; a bottom face; a first and second open core extending from the top face to the bottom face; a first side having a tongue; and an opposing second side having a groove, wherein the tongue is shaped to interlock with the groove. A soil system may include: a wall block component including a first configuration of interlocked segmented wall blocks as described, and a stabilizing component. A method of reinforcing soil may include the steps of: installing a leveling pad of concrete or gravel; and providing a soil stabilizing system.

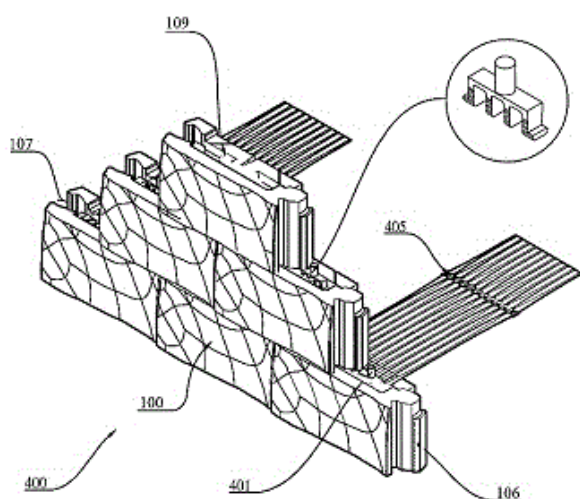


Fig. 4

21: 2020/03376. 22: 2020/06/05. 43: 2021/09/14

51: A01N; A01P

71: ISHIHARA SANGYO KAISHA, LTD.

72: TAKEDA, CHIAKI, IWASA, MITSUGU

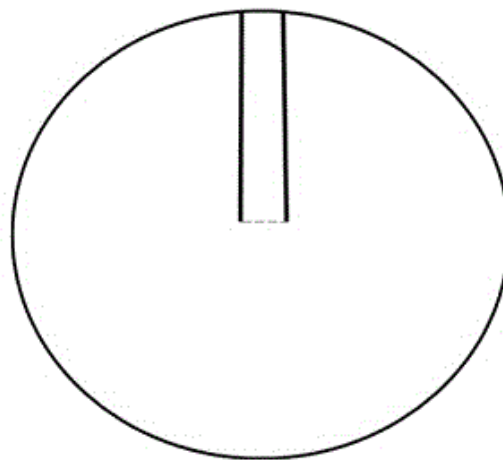
33: JP 31: 2017-244321 32: 2017-12-20

54: PESTICIDAL COMPOSITION AND METHOD FOR CONTROLLING PESTS

00: -

At present, many pesticidal compositions have been developed and used practically, however, they are not necessarily sufficient for controlling pests, and highly active pesticidal compositions have been desired. To provide a pesticidal composition comprising flonicamid and D-limonene as active ingredients, in a mixing weight ratio of flonicamid to D-limonene of from 1:150 to 1:1, and a method for

controlling pests by applying an effective amount of the composition.



21: 2020/03377. 22: 2020/06/05. 43: 2021/09/14

51: D01F; B01D; D04H

71: TORAY INDUSTRIES, INC.

72: SUGIMOTO, TAKESHI, MITSUNAGA, REO, MORI, TATSUYA, KOBAYASHI, YUMA

33: JP 31: 2018-038566 32: 2018-03-05

33: JP 31: 2017-244793 32: 2017-12-21

54: POLYPHENYLENE SULFIDE SHORT FIBER, FIBROUS STRUCTURE, FILTER FELT, AND BAG FILTER

00: -

Provided is a polyphenylene sulfide short fiber having a monofilament fineness of 0.70 to 0.95 dtex, a strength of 4.5 to 5.5 cN/dtex, a fiber length of 20 to 100 mm, and a melt flow rate (MFR) value of 200 to 295 g/10 min. This polyphenylene sulfide short fiber enables improvements to be made in the dust collection performance and mechanical strength without impairing the fiber productivity or felt productivity.

21: 2020/03378. 22: 2020/06/05. 43: 2021/09/14

51: C01B; C05B; C08F

71: COATEX

72: DHIBA, DRISS, MAGNY, BENOÎT, MAZOUZ, HAMID, METHIVIER, CÉLINE, MONGOIN, JACQUES

33: FR 31: 1760548 32: 2017-11-09

54: PREPARATION OF AN AQUEOUS SUSPENSION OF PHOSPHATE MATERIAL

00: -

The invention relates to a method for preparing an aqueous suspension of at least one phosphate

material, comprising dispersing, in water, particles of phosphate material in the presence of at least one additive of the anionic polymer of acrylic acid or of methacrylic acid type. The suspension according to the invention has a viscosity of less than 1500 mPa.s. The invention also relates to the conditioning of the phosphate material associated with the anionic polymer, for its subsequent treatment with at least one strong acid, for the industrial preparation of phosphoric acid.

21: 2020/03381. 22: 2020/06/05. 43: 2021/09/14
51: C11D

71: UNILEVER PLC

72: ADAMS, SARAH, BELL, NATHAN ROBERT, COTTRELL, HEATHER ELAINE, CUMMINS, ALISON, JONES, CHRISTOPHER CLARKSON, MEALING, DAVID RICHARD ARTHUR

33: EP 31: 18152187.3 32: 2018-01-17

54: LAUNDRY DETERGENT

00: -

The invention provides a particulate laundry detergent composition comprising: a) from 3 to 60% (by weight based on the total weight of the composition) of one or more deterative surfactants selected from non-soap anionic surfactants, nonionic surfactants and mixtures thereof; b) from 0.01 to 1% (by weight based on the total weight of the composition) of a fragrance formulation (f1) which is in the form of free droplets dispersed in the composition; c) from 0.01 to 1% (by weight based on the total weight of the composition) of a fragrance formulation (f2) which is entrapped within discrete polymeric microparticles dispersed in the composition; in which the total amount of fragrance formulation (f1) and fragrance formulation (f2) ranges from 0.05 to 1.5% (by weight based on the total weight of the composition); and in which the weight ratio of fragrance formulation (f1) to fragrance formulation (f2) in the composition ranges from of 60:40 to 30:70.

21: 2020/03413. 22: 2020/06/08. 43: 2021/09/14
51: G01N; G07C

71: TIAMA

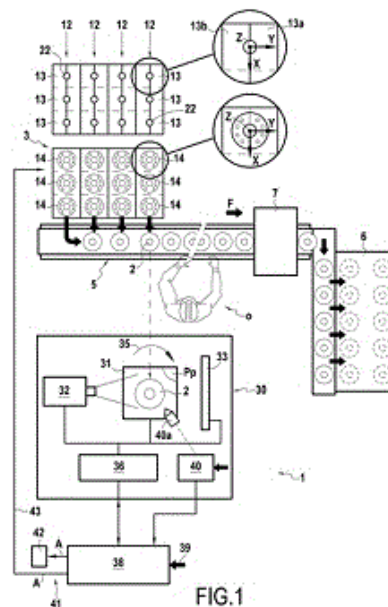
72: COSNEAU, LAURENT, COLLE, OLIVIER

33: FR 31: 1761865 32: 2017-12-08

54: METHOD AND MACHINE FOR CONTROLLING A FORMING METHOD

00: -

The invention concerns a method for controlling a process for forming glass containers (2) comprising the following steps: - taking a so-called sample container; - acquiring, by means of a tomography device (30), several X-ray images of the sample container at different projection angles; - transmitting the X-ray images to a computer (38); - analysing the X-ray images, by the computer, in order to: • construct, in a virtual frame of reference, a three-dimensional digital model of the sample container from the X-ray images; • determine the position of the three-dimensional digital model relative to the position of the sample container in a mould reference frame; - and analysing the three-dimensional digital model in order to determine at least one quality indicator (A) of the sample container.



21: 2020/03418. 22: 2020/06/08. 43: 2021/09/14
51: C09H; C08H; C08L

71: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH

72: MASILAMANI, DINESHKUMAR, RAMACHANDRAN, RAMYA KADATHUR, MADHAN, BALARAMAN, SARAVANAN, PALANIVEL

33: IN 31: 201711043386 32: 2017-12-04

54: A PROCESS FOR COMPLETE UTILIZATION OF RAW HIDE / SKIN TO YIELD VALUABLE PRODUCTS

00: -

The present invention provides a process for complete utilization of proteinaceous products from the raw hide/skin trimmings, wherein gelatin, protein hydrolysate containing mainly collagen and keratin hydrolysate are obtained. The process has potential applications in the manufacturing of pharmaceutical/food grade gelatin, collagen hydrolysates which can be used for food, pharmaceutical or agricultural applications, and keratin hydrolysate which has the potential for leather filler or other applications such as fertilizer, cosmetics.

21: 2020/03419. 22: 2020/06/08. 43: 2021/09/14
51: C07D; A61K; A61P

71: METRIOPHARM AG

72: SAAR, INGO, BRYSCH, WOLFGANG

33: EP 31: 18000019.2 32: 2018-01-11

54: METHOD FOR SOLUBILIZING 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE

00: -

The present invention relates to a method for solubilizing 5-amino-2,3-dihydro-1,4-phthalazinedione or salts thereof, to the solubilise produced by this method and respective uses in pharmaceutical dosage forms. A phosphatidylcholine-based solubilization method is disclosed.

21: 2020/03420. 22: 2020/06/08. 43: 2021/09/14
51: C11D

71: UNILEVER PLC

72: ADAMS, SARAH, BELL, NATHAN ROBERT, COTTRELL, HEATHER ELAINE, CUMMINS, ALISON, JONES, CHRISTOPHER CLARKSON, MEALING, DAVID RICHARD ARTHUR

33: EP 31: 18152121.2 32: 2018-01-17

54: LAUNDRY DETERGENT

00: -

The invention provides a liquid laundry detergent composition comprising: a) from 3 to 60% (by weight based on the total weight of the composition) of one or more deterative surfactants selected from non-soap anionic surfactants, nonionic surfactants and mixtures thereof; b) from 0.01 to 1 % (by weight based on the total weight of the composition) of a fragrance formulation (f1) which is in the form of free droplets dispersed in the composition; c) from 0.01 to 1 % (by weight based on the total weight of the composition) of a fragrance formulation (f2) which is

entrapped within discrete polymeric microparticles dispersed in the composition; in which the total amount of fragrance formulation (f1) and fragrance formulation (f2) ranges from 0.6 to 0.9% (by weight based on the total weight of the composition); and in which the weight ratio of fragrance formulation (f1) to fragrance formulation (f2) the composition ranges from 40:60 to 60:40.

21: 2020/03421. 22: 2020/06/08. 43: 2021/09/06

51: C12N; A61K; A61P; C12Q

71: NATIONAL UNIVERSITY CORPORATION TOKYO MEDICAL AND DENTAL UNIVERSITY, NIPPON ZOKI PHARMACEUTICAL CO., LTD.

72: ASAHARA, HIROSHI, CHIBA, TOMOKI, ABE, KENTARO

33: JP 31: 2017-216747 32: 2017-11-09

54: INHIBITOR OF THE EXPRESSION OF CANCER-PROMOTING FACTORS, SCREENING METHOD FOR ACTIVE INGREDIENT THEREOF, EXPRESSION CASSETTE USEFUL IN SAID METHOD, DIAGNOSTIC DRUG, AND DIAGNOSTIC METHOD

00: -

The purpose of this invention is to discover a novel factor which affects the level of expression of cancer-promoting factors, to provide an inhibitor of the expression of cancer promoting-factors and development tool therefor, which are based on this novel factor, and to provide a cancer diagnostic drug and a diagnostic method. Provided are: an inhibitor for the expression of cancer-promoting factors, containing at least one inhibitor selected from the group consisting of inhibitors of RBMS expression and inhibitors of RBMS function; a screening method which uses RBMS expression or function as an indicator; an expression cassette useful in said method; a cancer diagnostic drug containing an agent for detecting RBMS gene expression products; and a cancer detection method which takes the level of expression of the RBMS gene as an indicator.

21: 2020/03446. 22: 2020/06/09. 43: 2021/09/06

51: C07D; A61K; A61P

71: DAEWOONG PHARMACEUTICAL CO., LTD.

72: KIM, IN WOO, JUN, SUN AH, KIM, NAM YOUN, LEE, JUN HEE

33: KR 31: 10-2017-0183061 32: 2017-12-28

54: OXY-FLUOROPIPERIDINE DERIVATIVE AS KINASE INHIBITOR

00: -

The present invention relates to a compound represented by chemical formula (1) or pharmaceutically acceptable salts thereof. The compound according to the present invention can be utilized for preventing or treating diseases that benefit from kinase inhibitory action.

21: 2020/03447. 22: 2020/06/09. 43: 2021/09/06

51: C10M

71: TOTAL MARKETING SERVICES

72: GENET, NICOLE, BRUGGEMAN, RAPHAEL

33: FR 31: 1761890 32: 2017-12-11

54: GREASE COMPOSITION HAVING IMPROVED ADHESIVENESS

00: -

The present invention relates to a grease composition comprising (i) at least one base oil, (ii) at least one calcium sulfonate soap and (iii) at least one dicarboxylic acid ester copolymer comprising constituent units deriving (a) from at least one α -olefin and (b) from at least one ester formed by the esterification of an α,β -ethylenically unsaturated dicarboxylic acid or a derivative thereof with an alcohol, the (a)/(b) molar ratio being between 0.5 and 4. The invention also relates to the use, in a grease composition comprising (i) at least one base oil and (ii) at least one calcium sulfonate soap, of at least one dicarboxylic acid ester copolymer comprising constituent units deriving (a) from at least one α -olefin and (b) from at least one ester formed by the esterification of an α,β -ethylenically unsaturated dicarboxylic acid or a derivative thereof with an alcohol, the (a)/(b) molar ratio being between 0.5 and 4, for improving the adhesiveness, measured according to the standard DIN 51807, of said grease composition. The invention finally relates to a method for lubricating a mechanical part, comprising the use of such a composition.

21: 2020/03452. 22: 2020/06/09. 43: 2021/09/06

51: A23B; A23L

71: LIQUIDSEAL HOLDING B.V.

72: VAN VELZEN, DICK, MONSTER, VICTOR STEVEN, VAN DEN BERG, EUGENE ROBERT, GROENEWEGEN, GLENN GARETH

33: EP 31: 17211161.9 32: 2017-12-29

54: COATING FOR FRUIT

00: -

The present invention relates to composition for coating fruit. The invention also relates to a method for coating fruit, comprising applying post-harvest to said fruit a coating composition. The invention also relates to a fruit item, coated in accordance with said method. The invention also relates to the use of a coating composition for the preparation of a post-harvest fruit item with enhanced gloss when coated with said composition compared to a fruit item which is not coated with said composition and/or slower weight loss compared to a fruit item which is not coated with said composition.

21: 2020/03467. 22: 2020/06/10. 43: 2021/09/14

51: G06F; G06Q; H04L

71: Safe Community (Pty) Ltd

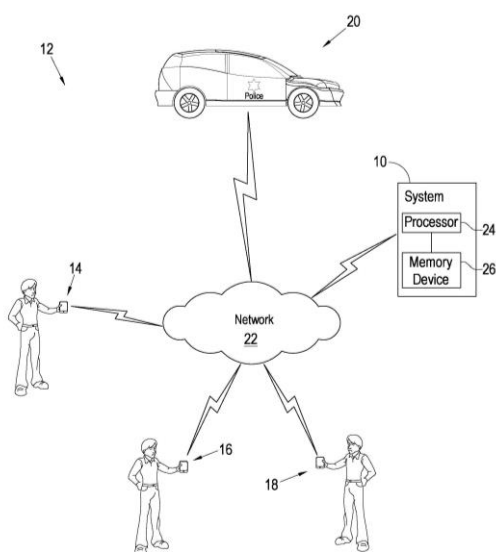
72: Gonville William Bromehead, Rory Jeudwine, Sean Laszlo Szucs, Vikash Gokool

33: ZA 31: 2019/02443 32: 2019-04-17

54: A SYSTEM AND METHOD FOR GEOGRAPHICAL LOCATION BASED DATA EXCHANGE

00: -

This invention relates generally to systems and methods for geographical location-based data exchange. In particular, the invention relates to data exchange pertaining to health, safety and/or security of communities within particular geographical locations. In accordance with the invention, the invention comprises generating a geofenced network comprising a plurality of geofences corresponding to a plurality of geographical areas. The current geographical locations of users is then determined via mobile computing devices associated with the users. Moreover, at least one of the plurality of geofences which encompasses a current geographical location of a user is then determined, wherein the user is assigned to the at least one geofence determined to encompass their respective current geographical location. In this way, data exchange between mobile computing devices of users assigned to the at least one geofence is facilitated. The system disclosed comprises a suitable memory device and processor configured to effect the methodologies disclosed.



21: 2020/03469. 22: 2020/06/10. 43: 2021/09/14

51: A61P; A61K; C07K

71: PHILOGEN S.P.A

72: VILLA, Alessandra, MATASCI, Mattia, ONGARO, Tiziano

33: EP 31: 18156141.6 32: 2018-02-09

33: EP 31: 18179313.4 32: 2018-06-22

54: EDB TARGETING IL-12 COMPOSITIONS

00: -

The present invention relates to compositions comprising an IL-12 protein having a first and second subunit, an EDB-binding domain, and a linker between the IL-12 protein and the EDB-binding domain.

21: 2020/03479. 22: 2020/06/10. 43: 2021/09/06

51: A23D; A23L; A23P

71: UNILEVER PLC

72: BOUWENS, ELISABETH CORNELIA MARIA, FLENDRIG, LEONARDUS MARCUS, VAN DER HIJDEN, HENDRIKUS THEODORUS WILHELMUS MARIA, LEMMERS, MARC

33: EP 31: 17208979.9 32: 2017-12-20

54: A SAVOURY CONCENTRATE

00: -

The invention provides a savoury concentrate comprising: a) at least 30 wt.%, by weight of the concentrate, of an oil phase comprising liquid oil; b) 3-30 wt.%, by weight of the concentrate, of edible salt selected from sodium chloride, potassium chloride and combinations thereof; c) 1-50 wt.%, by weight of the concentrate, of savoury taste giving ingredients selected from glutamate, 5'-

ribonucleotides, sucrose, glucose, fructose, lactic acid, citric acid and combinations thereof; d) up to 10 wt.%, by weight of the concentrate, of water; and e) particulate anhydrous non-defibrillated cell wall material from plant tissue selected from parenchymal plant tissue, stem tissue of monocotyledon plants and combinations thereof, said particulate anhydrous non-defibrillated cell wall material having a particle size of between 25 μm and 500 μm ; wherein the particulate anhydrous non-defibrillated cell wall material is dispersed in the oil phase in a concentration of 0.05 to 15 wt.%, by weight of the liquid oil. The particulate anhydrous non-defibrillated cell wall material from parenchymal plant tissue and/or stem tissue of monocotyledon plants is capable of forming an oil-retaining matrix within the liquid oil and thereby minimize oil exudation.

21: 2020/03515. 22: 2020/06/11. 43: 2021/09/06

51: G09F; F16B

71: CP GLOBAL, LLC

72: PETERS, CALVIN R

33: US 31: 15/814,809 32: 2017-11-16

33: US 31: 15/814,773 32: 2017-11-16

54: AN ADJUSTABLE BRACKET ASSEMBLY FOR TENSIONING A POLE MOUNTED FLAG/BANNER AND METHOD OF FORMING SAME

00: -

An apparatus and related methods include a base attached to an upright structure (such as a street light pole), a mounting bracket that releasably engages the base while supporting a hanging banner, and an install adapter that releasably holds the mounting bracket and banner until the mounting bracket attaches to the base. A removal adapter facilitates disengaging the mounting bracket and banner from the base. The mounting bracket and install adapter (and removal adapter) are attached to a pole and engage (and disengage) remotely and without using separate fasteners, thus allowing a worker to install (or remove) banners high on the upright structure while standing on the ground. The base and mounting bracket have tapered shapes that wedgingly engage, secured by a spring-biased friction retainer. The install adapter and removal adapter have structures that facilitate remote install and removal of the mounting bracket from the base.

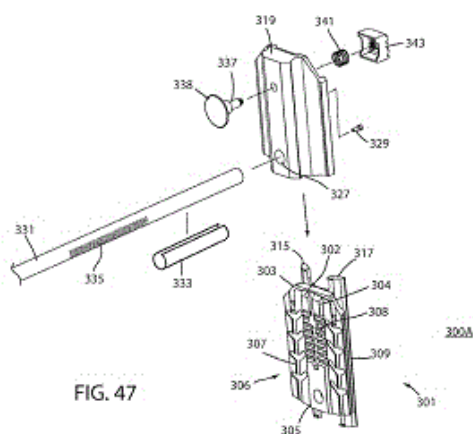


FIG. 47

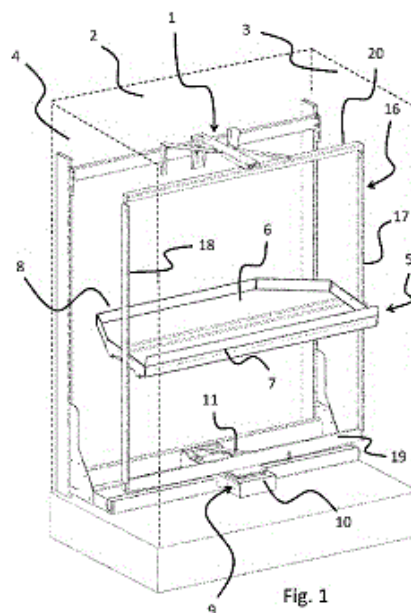


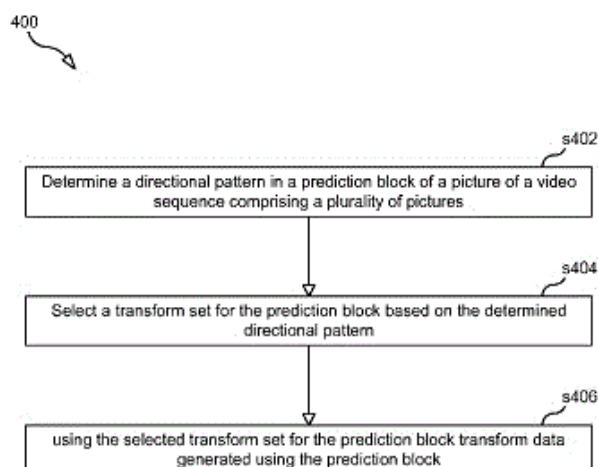
Fig. 1

21: 2020/03518. 22: 2020/06/11. 43: 2021/09/06
 51: A47F; A47B
 71: EASYFILL AB (PUBL)
 72: BERSAGEL, HENNING, SJÖLANDER, HÅKAN
54: A SHELF ASSEMBLY
 00: -

A shelf assembly (1) for products comprising a shelving section (5) with at least one shelf (6), which is rotatable about an axis of rotation (13) between a display position, in which the shelf is accessible from the front (7) of the shelving section, and a refill position, in which the shelf is accessible from the rear (8) of the shelving section. The shelf assembly further comprises a support (9), which has a sledge (10) rotatably supporting the shelving section, and being movable in a forward-rearward direction. When the shelving section is rotated from the display position to the refill position, the sledge is first moved forwards, and then rearwards back to its starting position. The shelving section further comprises a frame (16) having opposite first and second side posts (17, 18), wherein the shelf is mounted between the side posts at an arbitrary height. The shelf is provided with a respective clamping portion at opposite ends of the shelf, fixing the shelf at the side posts. Each clamping portion comprises a hook portion engaged with a respective side post at a first surface thereof, and a tightening portion engaged with an opposite second surface of the side post, wherein the tightening portion is untightenable for arbitrary height movement of the shelf.

21: 2020/03541. 22: 2020/06/12. 43: 2021/09/06
 51: H04N
 71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
 72: YU, RUOYANG, ZHANG, ZHI, SJÖBERG, RICKARD
 33: US 31: 62/697,484 32: 2018-07-13
54: TRANSFORM SELECTION IN A VIDEO ENCODER AND/OR VIDEO DECODER
 00: -

A process for selecting a transform set for a prediction block. The process can be used in both an encoder and a decoder. For example, the process can be used in both an encoder and a decoder for a prediction block that has been predicted from a reference block. In some embodiments, both the prediction block and the reference block are intra blocks.



21: 2020/03543. 22: 2020/06/12. 43: 2021/09/06

51: B29B; B03B

71: LENZING AKTIENGESSELLSCHAFT

72: KLAUS-NIETROST, CHRISTOPH, HERCHL, RICHARD, WEILACH, CHRISTIAN

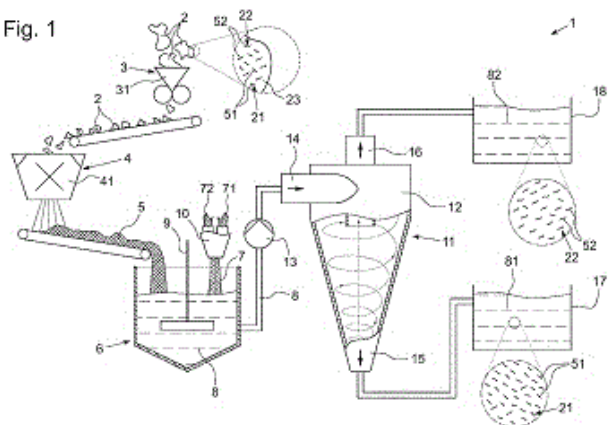
33: EP 31: 18151737.6 32: 2018-01-15

54: A PROCESS FOR SEPARATING A FIBROUS TARGET COMPONENT FROM TEXTILE WASTE

00: -

A process (1, 101, 201) for separating a fibrous target component (21) from textile waste (2, 5) is shown, said textile waste (2, 5) containing the target component (21) and at least one ancillary component (22), whereby the target component (21) consists of water-swallowable textile fibers (51) with a density higher than the density of water, the process (1, 101, 201) comprising the steps: a) dispersing the comminuted textile waste (5) in an aqueous solution (7) to obtain a suspension (8) containing the textile waste (5), and b) separating the dispersed textile waste (5) into a high-density target fraction (81) comprising the target component (21), and a low-density residual fraction (82) comprising the at least one ancillary component (22), according to the respective density of said components (21, 22). In order to provide a reliable, fast process for the separation of water-swallowable fibers from other textile fibers which are similar in density, it is proposed, that the aqueous solution (7) is an alkaline aqueous solution (7) and the target component fibers (51) are swelled in the alkaline aqueous solution (7) prior to step b), thereby increasing the density and weight of said target component (21) relative to the density and weight of the ancillary component (22).

Fig. 1



21: 2020/03547. 22: 2020/06/12. 43: 2021/09/06

51: A61B

71: INFRASONIX INC.

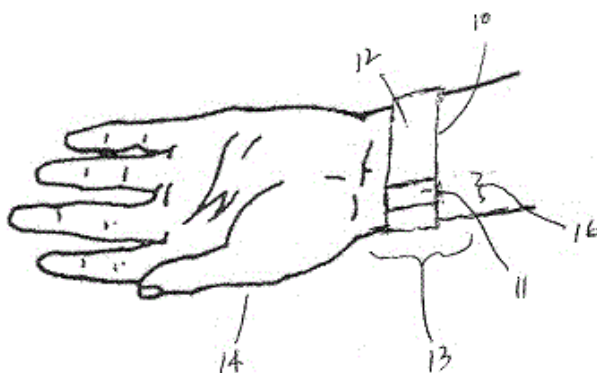
72: FLYNN, NIGEL J

33: US 31: 62/573,851 32: 2017-10-18

54: WEARABLE HEALTH-MONITORING DEVICES AND METHODS OF MAKING AND USING THE SAME

00: -

Wearable health-monitoring devices that are suitable for detecting one or more signals/sounds produced by an animal's body, such as a human body, are disclosed. Methods of making and using wearable health-monitoring devices are also disclosed.



21: 2020/03568 22: 2020/06/15 43: 2021-09-06

51: C07K; C12P

71: NANJING LEGEND BIOTECH CO., LTD.

72: FAN, Xiaohu, WANG, Jun, WANG, Pingyan, ZHUANG, Qiuchuan, MA, Lian

33: CN 31: PCT/CN2017/119397 32: 2017-12-28

54: MULTISPECIFIC CHIMERIC RECEPTORS COMPRISING NKG2D DOMAIN AND METHODS OF USE THEREOF

57: Provided are chimeric receptors targeting NKG2D, and multispecific chimeric receptors comprising an NKG2D domain and a second antigen binding domain such as an IL-3 domain. Also provided are dual chimeric receptor systems comprising a first chimeric receptor comprising an NKG2D domain, and a second chimeric receptor comprising a second antigen binding domain such as an IL-3 domain. Further provided are engineered immune effector cells (such as T cells), pharmaceutical compositions, kits and methods of treating cancer.

21: 2020/03580. 22: 2020/06/15. 43: 2021/08/24
51: A61K; C07K; C12N; A61P
71: I-MAB BIOPHARMA US LIMITED
72: FANG, Lei, WANG, Yongqiang, WANG, Zhengyi, GUO, Bingshi, ZANG, Jingwu
33: CN 31: PCT/CN2018/081079 32: 2018-03-29
54: ANTI-PD-L1 ANTIBODIES AND USES THEREOF

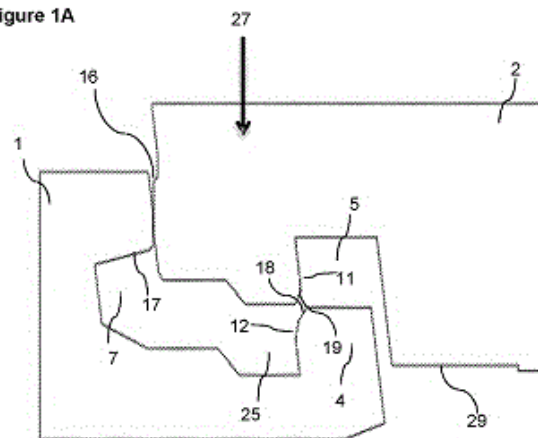
00: -
Provided are anti-PD-L1 antibodies or fragments thereof. The antibodies or fragments thereof specifically bind to the immunoglobulin C domain of the PD-L1 protein. In various example, the antibodies or fragments thereof include a VH CDR1 of SEQ ID NO: 1, a VH CDR2 of SEQ ID NO: 116, a VH CDR3 of SEQ ID NO: 117, a VL CDR1 of SEQ ID NO: 4, a VL CDR2 of SEQ ID NO: 5, and a VL CDR3 of SEQ ID NO: 6, or variants of each thereof. Methods of using the antibodies or fragments thereof for treating and diagnosing diseases such as cancer and infectious diseases are also provided.

21: 2020/03595. 22: 2020/06/15. 43: 2021/09/06
51: E04F
71: VÄLINGE INNOVATION AB
72: BOO, CHRISTIAN, STÅHL, MARCUS, NILSSON, ANDERS
33: SE 31: 1850026-4 32: 2018-01-09
54: SET OF PANELS

00: -
A set of panels that includes a first panel (41) and a second panel(42)is provided. The first and second panels have a first, second and third edge. The first edge (1) of the first panel(41)is configured to be able to be locked together with both the second edge (2) and the third edge of the second panel(42). The first edge includes a first locking element (4) configured to be able to cooperate with a first locking groove (5)

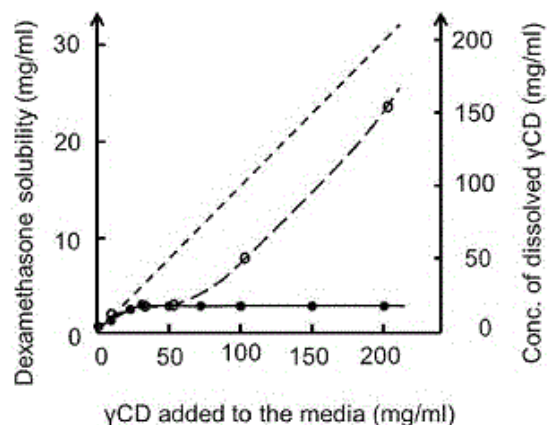
at the second edge (2) and a second locking groove (6) at the third edge for locking in a horizontal direction. The first edge includes a tongue groove (7) configured to cooperate with a tongue (8) at the second edge (2) and a tongue (9) at the third edge for locking in a vertical direction. The first locking element includes a first locking surface configured to cooperate with a second locking surface (11) on the first locking groove (5), for locking in the horizontal and the vertical direction. The first locking element includes a third locking surface (12) which is configured to cooperate with a fourth locking surface (13) on the second locking groove (6) for locking in the horizontal direction.

Figure 1A



21: 2020/03613. 22: 2020/06/17. 43: 2021/09/06
51: A61K
71: OCULIS SA
72: LOFTSSON, THORSTEINN, FULOP, ZOLTAN
33: US 31: 62/427,737 32: 2016-11-29
54: PREPARATION OF SOLID CYCLODEXTRIN COMPLEXES FOR OPHTHALMIC ACTIVE PHARMACEUTICAL INGREDIENT DELIVERY

00: -
The present disclosure relates to ophthalmic compositions containing solid complexes of active pharmaceutical ingredient and cyclodextrin, to their method of preparation and their uses. The compositions can include an active agent drug/cyclodextrin complex substantially dissolved in an aqueous eye drop vehicle. The ophthalmic composition is generally in the form of a microsuspension including an active agent complex having a diameter of less than about 100 μm .



21: 2020/03697. 22: 2020/06/19. 43: 2021/09/06

51: H04L; H04N

71: ZENIMAX MEDIA INC.

72: KOPIETZ, MICHAEL

33: US 31: 62/655,901 32: 2018-04-11

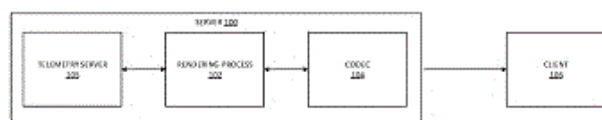
33: US 31: 62/488,526 32: 2017-04-21

33: US 31: 62/647,180 32: 2018-03-23

54: SYSTEMS AND METHODS FOR RENDERING & PRE-ENCODED LOAD ESTIMATION BASED ENCODER HINTING

00: -

The invention relates to a system and computer-implemented method for encoding data. The method includes (i) recording one or more playthroughs in a game environment, (ii) sorting a plurality of frames from the one or more playthroughs into a plurality of cells on a heatmap, wherein said sorting results in a list of sorted frames associated with the heatmap, (iii) collecting the list of sorted frames at a renderer; (iv) encoding one or more frames from the list of sorted frames to calculate an average encoded frame size for each cell in the heatmap, wherein each average encoded frame size is associated with a per-cell normalized encoder quality setting, and (v) calculating an average frame size for the heatmap from the average encoded frame size of each cell. During gameplay, the per-cell normalized encoder quality setting corresponding to the cell in the heatmap is used to hint an encoder to code a video sequence.



21: 2020/03703. 22: 2020/06/19. 43: 2021/09/06

51: A61K; C07D; A61P

71: GENFLEET THERAPEUTICS (SHANGHAI) INC.

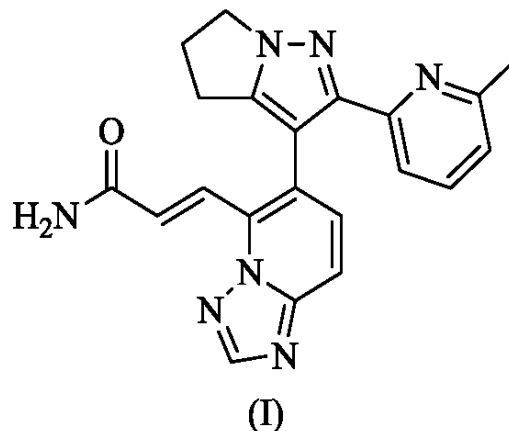
72: WU, Lifang, HE, Huijun, LU, Jianyu, DING, Charles, Z., HU, Lihong, LI, Weidong, SHI, Shenyi, LI, Jian, CHEN, Shuhui

33: CN 31: 201711331447.7 32: 2017-12-13

54: CRYSTAL FORM AND SALT FORM OF TGF-βRI INHIBITOR AND PREPARATION METHOD THEREFOR

00: -

Disclosed in the present invention are a crystal form and salt form of a TGF-βRI inhibitor and a preparation method therefor, and further disclosed is an application of the crystal form and the salt form in preparation of medicines for treating cancers.



21: 2020/03706. 22: 2020/06/19. 43: 2021/09/28

51: A61K

71: MERITAGE PHARMA, INC.

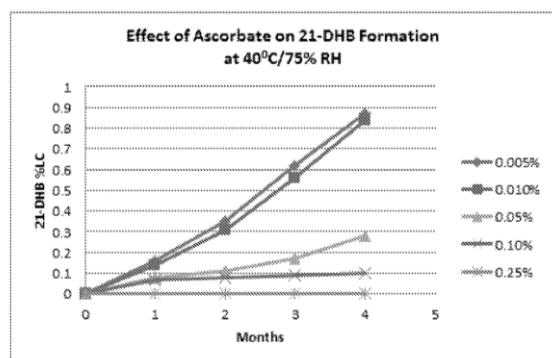
72: KASINA, Ramalingeswar

33: US 31: 62/616,213 32: 2018-01-11

54: STABLE CORTICOSTEROID COMPOSITIONS

00: -

The invention relates to pharmaceutical compositions comprising a corticosteroid and an antioxidant. The invention further relates to methods of treating, preventing, or alleviating the symptoms of and inflammation associated with inflammatory diseases and conditions of the gastrointestinal tract comprising administering the pharmaceutical compositions comprising a corticosteroid and an antioxidant.



21: 2020/03739. 22: 2020/06/22. 43: 2021/09/06

51: B21D; E21D; F16B

71: FCI HOLDINGS DELAWARE, INC.

72: STANKUS, John, C., CRABLE, Mark,
FAULKNER, Dakota, STEVENS, Zachary,
CALANDRA, Karl, Anthony,

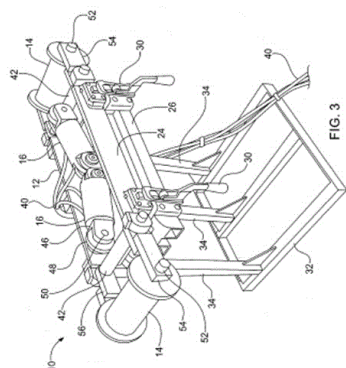
33: US 31: 62/864,644 32: 2019-06-21

33: US 31: 16/898,801 32: 2020-06-11

54: MINE BOLT BENDING SYSTEM

00: -

A mine bolt bending system includes a frame comprising a plurality of bolt receiving portions each configured to receive and hold a mine roof bolt, a bolt contact member secured to the frame, with the bolt contact member rotatable relative to the frame between a first position and second position, and an actuator secured to the frame, with the actuator configured to move the bolt contact member between the first and second positions. The bolt contact member is configured to bend a mine bolt when rotating from the first position to the second position.



21: 2020/03777. 22: 2020/06/22. 43: 2021/09/28

51: G01N

71: DEWACT LABS GMBH

72: JAKSCHIES, DETLEF

33: EP 31: 17203120.5 32: 2017-11-22

54: METHOD AND DEVICE FOR DISCRIMINATING BETWEEN VIRAL AND BACTERIAL INFECTIONS

00: -

The present invention relates to a point-of-care assay for detecting and differentiating between viral and bacterial infections, which effectively assist in the rapid differentiation of viral and bacterial infections. More particularly, the invention pertains to an immunoassay that rapidly distinguishes between viral and/or bacterial infections, wherein the viral marker is the interferon induced Mx-B protein and the bacterial markers are CRP/PCT/BPI.

21: 2020/03779. 22: 2020/06/22. 43: 2021/09/06

51: H02S

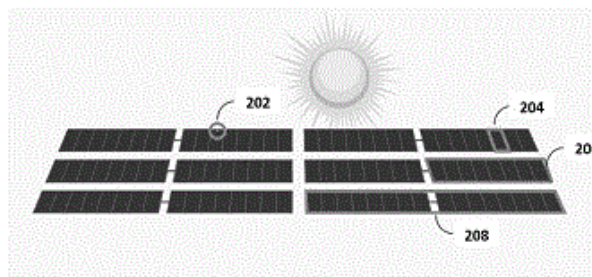
71: ACCIONA ENERGÍA, S. A.

72: GUEL BENZU MICHELENA, EUGENIO,
PADROS RAZQUIN, ASUN, DE LA PARRA ABAD,
MIGUEL

54: AUTOMATED PHOTOVOLTAIC PLANT INSPECTION SYSTEM AND METHOD

00: -

The invention relates to systems and methods for automatically inspecting photovoltaic (PV) installations. The system uses drones flying preprogrammed routes to conduct aerial thermography of PV modules for inspection (i.e., gathering IR images of the PV modules). The system conducts analytics on the gathered images to determine defects in the PV modules of the PV installation, classifies detected defects, issues reports automatically, and retains technical data for every module included in the database of a PV installation for trend analysis and preventative and predictive maintenance analysis.



21: 2020/03780. 22: 2020/06/22. 43: 2021/09/06
51: A24F

71: JUUL LABS, INC.

72: BOWEN, ADAM, HATTON, NICHOLAS J,
LOMELI, KEVIN, TASCHNER, MATTHEW J,
WEISS, ALEXANDER, WHITE, BRYAN

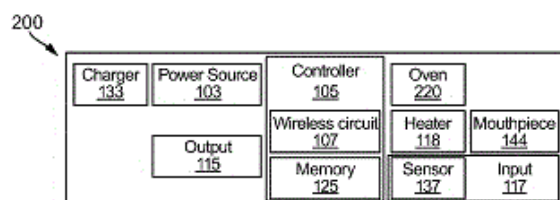
33: US 31: 62/593,801 32: 2017-12-01

33: US 31: 62/590,518 32: 2017-11-24

54: PUFF SENSING AND POWER CIRCUITRY FOR VAPORIZER DEVICES

00: -

Vaporizer device features capable of improving on current approaches to mitigating against device damage or inoperability occurring from liquid exposure (e.g. exposure to liquid vaporizable material possibly affecting a pressure sensor, internal electronic circuitry, and/or electrical contact pins) are described.



21: 2020/03782. 22: 2020/06/22. 43: 2021/09/06
51: B01L

71: QIAGEN SCIENCES, LLC

72: YAMANA, KABIR JAMES, YAMANA-HAYES, SEAN

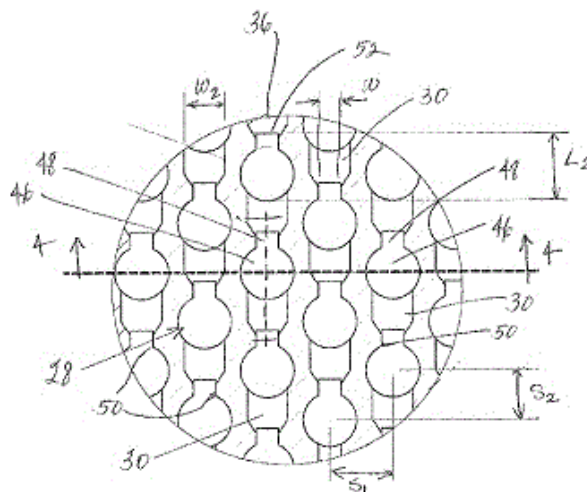
33: US 31: 15/873,722 32: 2018-01-17

54: MICROFLUIDIC DEVICE WITH VENTED MICROCHAMBERS

00: -

A microfluidic device with a microfluidic circuit including an array of fluidly coupled microchambers. Each microchamber includes a reaction chamber and an associated vent chamber. The microfluidic circuit may be arranged so that a fluid sample introduced to microfluidic device flows into the reaction chamber and air or other gas present in the reaction chamber is vented from the microchamber through the vent chamber. The microchamber may be configured to allow only the flow of air into the vent chamber from the reaction chamber until the air has been displaced from the reaction chamber by the fluid sample and/or a predefined volume of the fluid sample has been received in the reaction chamber. The microchamber may be further

configured to release the fluid sample to thereafter flow from the reaction chamber into the vent chamber.



21: 2020/03783. 22: 2020/06/22. 43: 2021/09/06
51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: BEN HENDA, NOAMEN

33: US 31: 62/618,542 32: 2018-01-17

54: SECURITY MECHANISM FOR INTERWORKING WITH INDEPENDENT SEAF IN 5G NETWORKS

00: -

Methods and network equipment for implementing security mechanism for interworking with independent security anchor function (SEAF) in 5G networks. A method performed by the standalone SEAF comprises receive a first request for a key to secure communication between the UE and a first access and mobility function (AMF) which a user equipment (UE) requests registration, wherein the request includes a first indication that indicates UE supports a standalone SEAF or not; receive, from a second AMF with which the UE requests registration for performing inter-AMF mobility to the second AMF, a second request for a key to secure communication between the UE and the second AMF, wherein the request includes a second indication that indicates the UE supports a standalone SEAF or not; and determine whether or not a bidding down attack has occurred depending at least in part on whether the first indication matches the second indication.

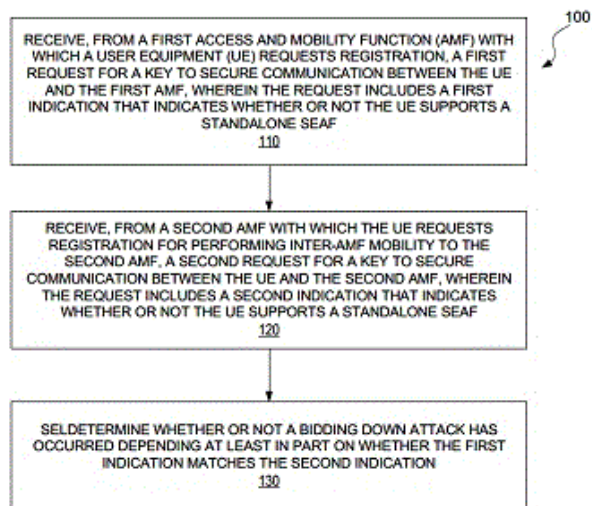
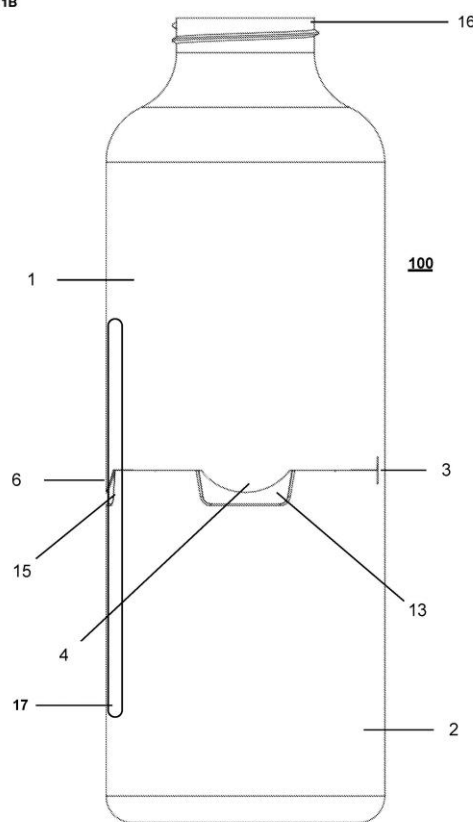


FIG. 1B



21: 2020/03806. 22: 2020/06/23. 43: 2021/08/24
51: B65D

71: Vermont & Company, Inc.

72: VELMONT, Rashon, VELMONT, Sebastian

33: US 31: 16/019,232 32: 2018-06-26

54: DISPENSING CONTAINER WITH INTERIOR ACCESS

00: -

A dispensing container with interior access for when the said dispensing container can no longer disperse the low level content within its bottom surface and interior walls through its normal dispensing process the dispensing container with interior access can be opened through its adjoining halves for complete access to its remaining content.

21: 2020/03809. 22: 2020/06/23. 43: 2021/09/06
51: F04D; G01F

71: XYLEM EUROPE GMBH

72: WIKSTRÖM, JAN, TÖRNQVIST, GUNNAR

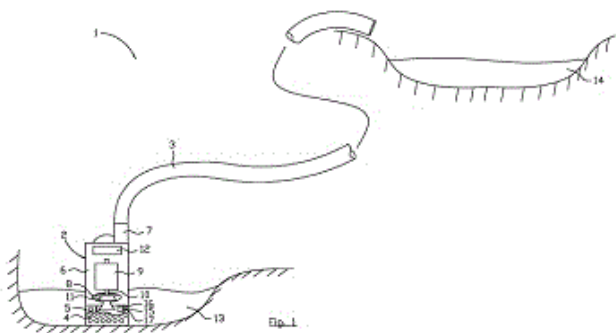
33: EP 31: 17203461.3 32: 2017-11-24

54: PUMP AND METHOD FOR CONTROLLING A PUMP

00: -

In a first aspect the invention relates to a method for controlling a pump (2), the pump (2) comprising an integrated control unit (12), a drive unit having an electric motor (9) and a drive shaft (10), and a hydraulic unit having an impeller (11) connected to said electric motor (9) via said drive shaft (10), wherein the control unit (12) is operatively connected to the electric motor (9) and is configured for monitoring and controlling the operation of the pump (2), wherein the pump (2) further comprises an integrated pressure sensor (15) that has fixed reference pressure and that is operatively connected to the control unit (12), said control unit (12) being configured to determine the liquid level of the liquid surrounding the pump (2) based on a relation

between the actual value of the pressure sensor (15) and a reference value, wherein said method comprises a sub-method for calibrating the pump (2) and comprising the steps of initiate pumping, continue pumping until the liquid level of the liquid surrounding the pump (2) is equal to a predetermined calibration level, the predetermined calibration level being fixed in relation to the pump (2), determining a calibration level actual value of the pressure sensor (15) when the liquid level of the liquid surrounding the pump (2) is equal to said predetermined calibration level, and calibrating the pump (2) by setting a new reference value corresponding to said calibration level actual value. In a second aspect the invention also relates to such a pump (2). Publication picture:



21: 2020/03810. 22: 2020/06/23. 43: 2021/09/14
51: C07D; A61K; A61P

71: TORAY INDUSTRIES, INC.

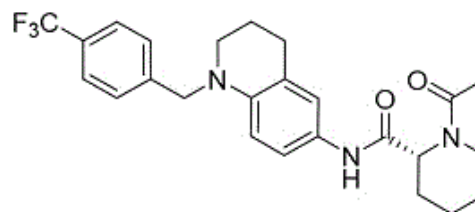
72: OSUMI, KAZUYA, MATSUMURA, YUKI, HAYASHI, SHINNOSUKE, HOSHI, MASAKI, VALLET, MARTIAL, YOKOSAKA, SHINYA, AOKI, TAKUMI, MEGURO, HIROYUKI, KAINO, MIE, TAKAGAKI, KOZUE, SASAKI, RIE

33: JP 31: 2018-014813 32: 2018-01-31

54: CYCLIC AMINE DERIVATIVE AND MEDICAL USE THEREOF

00: -

An object of the present invention is to provide a novel compound which has retinoid-related orphan receptor γ antagonist activity and shows a therapeutic effect or a preventive effect on autoimmune diseases, such as psoriasis or alopecia areata, or allergic diseases, such as allergic dermatitis. The present invention provides a cyclic amine derivative represented by the following formula or a pharmacologically acceptable salt thereof.



21: 2020/03811. 22: 2020/06/23. 43: 2021/09/14

51: H04W; H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

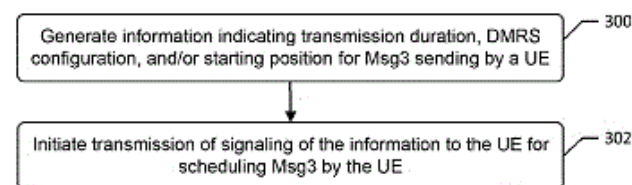
72: IRUKULAPATI, NAGA VISHNU KANTH, ZHANG, JIANWEI, LIN, XINGQIN, LI, JINGYA

33: US 31: 62/710,573 32: 2018-02-16

54: TIME RESOURCE ASSIGNMENT SIGNALING MECHANISM FOR MSG3 TRANSMISSION

00: -

A method of scheduling Msg3 configuration by a network node may be provided. Information may be generated indicating transmission duration, DMRS configuration, and/or starting position for Msg3 sending by a user equipment, UE. Transmission of signaling of the information to the UE may be initiated for scheduling Msg3 transmission by the UE. A method of scheduling by the UE includes receiving information from the network node indicating transmission duration, DMRS configuration, and/or starting position for Msg3 transmission. The UE transmits Msg3 based on a schedule determined based on the information.



21: 2020/03812. 22: 2020/06/23. 43: 2021/09/14

51: B65D; B65B

71: V-SHAPES S.R.L.

72: GUSTVASSON, ERLAND JESPER

33: IT 31: 102017000149752 32: 2018-01-09

54: APPARATUS AND METHOD FOR PRODUCING A SEALED SINGLE-DOSE BREAK-OPEN PACKAGE

00: -

A production method of a sealed single-dose break-open package (1); wherein the sealed package (1) comprises: a first sheet (2) of semi-rigid plastic material; a second sheet (3) of flexible plastic material superposed on and sealed to the first sheet (2) to define a sealed pocket (4) that contains a dose of a product (5); and a weakened zone (6) that is made in a central zone of the first sheet (2) for guiding, after bending of the sealed package (1), controlled breaking of the first sheet (2) at the weakened zone (6) in such a way as to cause the formation of an outlet opening for the product (5) through the first sheet (2); the production method comprises the step of making in a surface (8, 10) of the first sheet (2) at least one incision (7, 9) that constitutes the weakened zone (6); wherein the incision (7, 9) is made through plastic deformation of the material using an incision tool (19) having a tip that is not sharp, that is to say, that has a round shape for deforming rather than cutting.

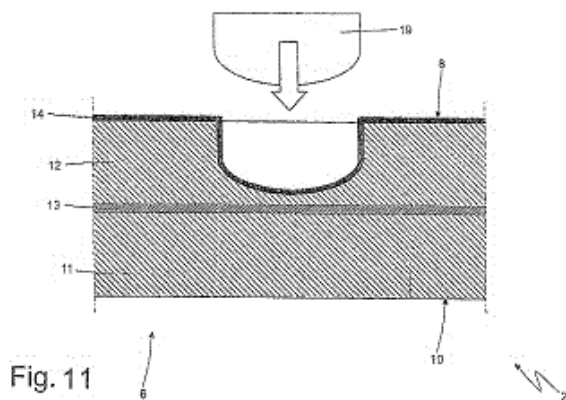


Fig. 11

define a sealed pocket (4) that contains a dose of a product (5); and a weakened zone (6) that is made in a central zone of the first sheet (2) for guiding, after bending of the sealed package (1), controlled breaking of the first sheet (2) at the weakened zone (6) in such a way as to cause the formation of an outlet opening for the product (5) through the first sheet (2). The weakened zone (6) comprises at least one incision (7, 9) that is made in a surface (8, 10) of the first sheet (2) and extends along a single line that is open and does not cross itself. The incision (7, 9) comprises a "U"-shaped central part (15) and two lateral parts (16) that are positioned on opposite sides of the central part (15) and connect to the central part (15).

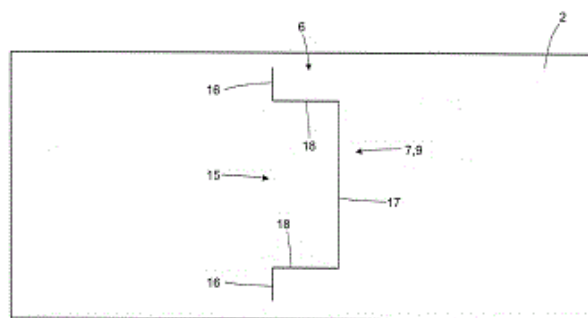


Fig. 5

21: 2020/03840. 22: 2020/06/24. 43: 2021/09/14
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: FALAHATI, SOROUR, BALDEMAIR, ROBERT
54: SCHEDULING REQUEST RESOURCE CONFIGURATION

00: -

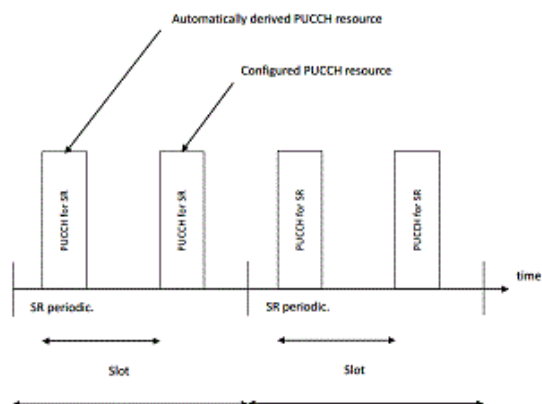
There is disclosed a method of operating a user equipment (10) in a radio access network. The user equipment (10) is configured with a reference time resource available, in one or more slots, for transmission of a scheduling request by the user equipment (10), the reference time resource comprising a reference symbol R, wherein each of the one or more slots has a slot duration that is based on a number N of symbols in the slot. The user equipment (10) further is configured with a requesting periodicity P indicating a periodicity with a time period shorter than the slot duration. The

21: 2020/03813. 22: 2020/06/23. 43: 2021/09/14
51: B65D
71: V-SHAPES S.R.L.
72: GUSTVASSON, ERLAND JESPER
33: IT 31: 102017000149766 32: 2018-01-09
33: IT 31: 102017000149752 32: 2018-01-09
54: SEALED SINGLE-DOSE BREAK-OPEN PACKAGE AND RELATIVE PRODUCTION METHOD

00: -

A sealed single-dose break-open package (1) having: a first sheet (2) of semi-rigid plastic material; a second sheet (3) of flexible plastic material superposed on and sealed to the first sheet (2) to

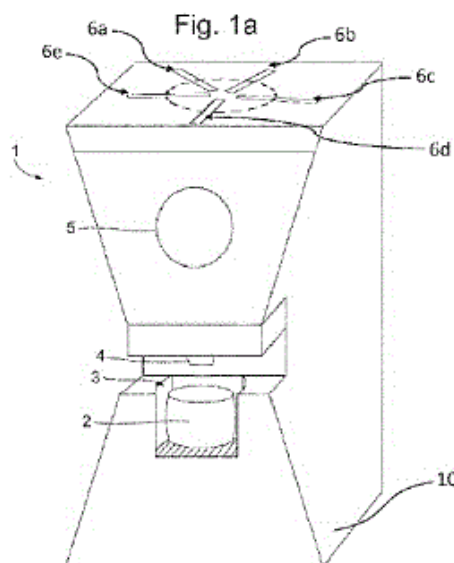
method comprises transmitting a scheduling request message at a request transmission symbol T which is based on the reference symbol R and the periodicity P. The disclosure also pertains to related methods and devices.



21: 2020/03841. 22: 2020/06/24. 43: 2021/09/14
51: D06F; C11D
71: UNILEVER PLC
72: COOKE, DEBORAH JANE, NEWBY, BRIAN
PATRICK, PIERCY, ELLEN SUZANNE, SHAW,
KATHARINE JANE, TRELOAR, ROBERT LINDSAY
33: EP 31: 18155012.0 32: 2018-02-02
**54: SUSTAINABLE METHODS AND DEVICES
FOR AUTOMATED DOSING OF A LAUNDRY
PRODUCT**

00: -
A laundry system for dispensing one or more ingredient compositions from ingredient reservoirs for supplying to a washing machine drum, the laundry system comprising: (i) an apparatus which comprises a dispensing device and multiple ingredient reservoirs; (ii) said multiple ingredient reservoirs comprising a recycled material and containing the various ingredient compositions in controllable fluid communication with the dispensing device and each ingredient reservoir comprising at least one ingredient reservoir identifier; (iii) said dispensing device being operable to selectively dispense portions of the ingredient compositions from respective ingredient reservoirs as a result of commands by the user to provide a dose of laundry product, and further comprising (iv) an ingredient reservoir control system for controlling said selective dispensing of respective ingredient compositions from specific ingredient reservoirs identified by

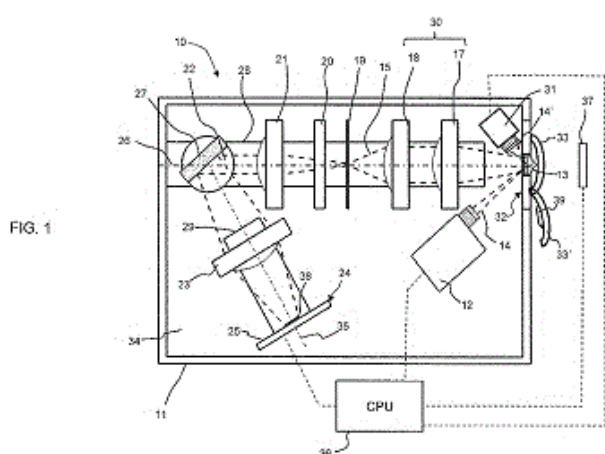
respective ingredient reservoir identifiers such that the device can selectively dispense ingredient compositions from one or more identified ingredient reservoirs wherein the or each ingredient reservoir identifier comprises a data carrier for storing data regarding the condition of the ingredient reservoir and the ingredient reservoir control system is operative to modify the data stored on the data carrier.



21: 2020/03842. 22: 2020/06/24. 43: 2021/09/14
51: G01N
71: UNIVERSITÀ DEGLI STUDI DI MILANO -
BICOCCA
72: LORENZI, ROBERTO, PALEARI, ALBERTO
MARIA FELICE, ZULLINO, ANDREA
33: IT 31: 102017000148104 32: 2017-12-21
**54: SYSTEM AND METHOD FOR
SPECTROSCOPY ANALYSIS OF DIAMONDS**

00: -
The present invention relates to the a spectroscopic analysis apparatus (10) for distinguishing between colourless gems, comprising: a first light source (12) configured to emit a first primary beam (14) at a wavelength between 600 nm and 680 nm; a second light source (31) configured to emit a second primary beam (14') comprising ultraviolet light; a spectral dispersion device (22) arranged to collect the secondary optical beam (15) and to spatially disperse the secondary optical beam; a first photodetector device (24) arranged to collect the light dispersed by the spectral dispersion device

(22); a second photodetector device (37) to detect visible light arranged in front of a second side of the gem; a central processing unit (36) connected to the first and to the second photodetector device (24, 37), to the first (12) and to the second light source (31), the central processing unit (36) being configured to: establish that the gem is a diamond or is not a diamond; and if the gem is a diamond, establish that the gem is a type I natural diamond or a type II diamond.



21: 2020/03843. 22: 2020/06/24. 43: 2021/09/14
51: G06F; H04L; H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: SAARINEN, PASI, MARTINEZ DE LA CRUZ, PABLO, DE-GREGORIO-RODRIGUEZ, JESUS-ANGEL, JOST, CHRISTINE

33: EP 31: 18382092.7 32: 2018-02-16

54: PROTECTING A MESSAGE TRANSMITTED BETWEEN CORE NETWORK DOMAINS

00: -

Network equipment (300, 400) is configured for use in one of multiple different core network domains of a wireless communication system (10). The network equipment (300, 400) is configured to receive a message (60) that has been, or is to be, transmitted between the different core network domains. The network equipment (300, 400) is also configured to apply inter-domain security protection to, or remove inter-domain security protection from, one or more portions of the content of a field in the message according to a protection policy (80). The protection policy (80) includes information indicating to which one or more portions of the content inter-domain security protection is to be applied or removed. The

network equipment (300, 400) is also configured to forward the message (60), with inter-domain security protection applied or removed to the one or more portions, towards a destination of the message (60).

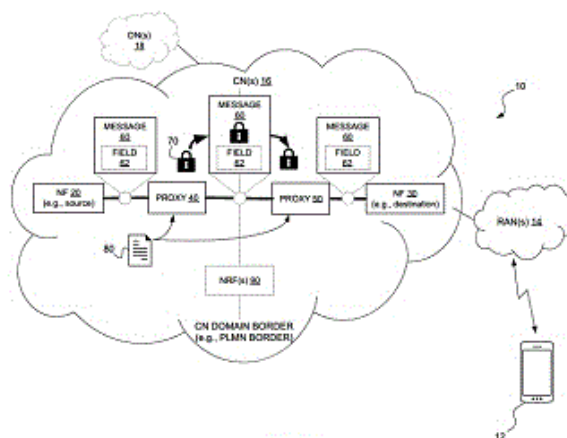


FIG. 1

21: 2020/03844. 22: 2020/06/24. 43: 2021/09/14
51: C12C; A23L

71: CARLSBERG A/S

72: LOK, FINN, KRUCIEWICZ, KATARZYNA, MARRI, LUCIA, SKADHAUGE, BIRGITTE, KNUDSEN, SØREN, WENDT, TONI, OLSEN, OLE
33: EP 31: 17210958.9 32: 2017-12-28

54: METHOD FOR PRODUCING AN EXTRACT OF CEREAL AND METHOD FOR PROCESSING THIS EXTRACT INTO BEVERAGE

00: -

The present invention relates to methods for preparing cereal-based beverages. The present invention provides, for example, methods for steeping and germination of cereal grain under continuous aeration. Particularly, the present invention provides methods for heating the germinated cereal grains prior to wet milling of germinated cereal grains and direct transfer of the germinated grain, without drying, to the brewery for further processing. Compared to current methods the methods of the present invention significantly reduce water consumption, energy consumption and transport need.

21: 2020/03868. 22: 2020/06/25. 43: 2021/09/14
51: C22B

71: JFE STEEL CORPORATION

72: NAKAI, YOSHIE, KIKUCHI, NAOKI, NAKASE, KENJI

33: JP 31: 2017-250072 32: 2017-12-26

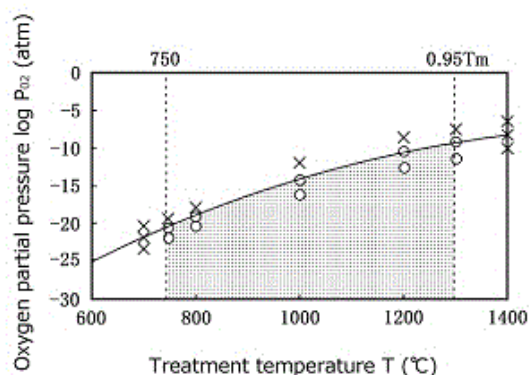
54: METHOD FOR REMOVING PHOSPHORUS FROM PHOSPHORUS-CONTAINING SUBSTANCE

00: -

Proposed is an industrially applicable method for removing phosphorus from a phosphorus-containing substance in order to effectively reduce phosphorus contained in the phosphorus-containing substance.

This method comprises reacting a phosphorus-containing substance that is used for metal smelting or used as a raw material for metal smelting, with a nitrogen-containing gas at a treatment temperature which is lower than the melting point of the substance, to remove phosphorus, preferably in the form of phosphorus nitride (PN). When doing so, the partial pressure of nitrogen or the partial pressure of oxygen in the nitrogen-containing gas is preferably adjusted. As a result, for example, the load of the phosphorus-removing process can be reduced.

FIG. 4



21: 2020/03869. 22: 2020/06/25. 43: 2021/09/14

51: C07D; C07C; A61P; A61K

71: MEDIBIOFARMA, S.L.

72: CASTRO PALOMINO LARIA, JULIO, CAMACHO GÓMEZ, JUAN, RODRÍGUEZ IGLESIAS, RODOLFO

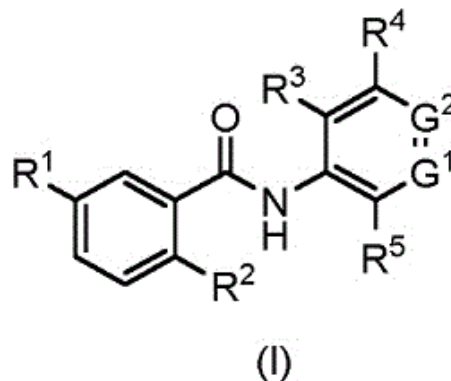
33: EP 31: 17382845.0 32: 2017-12-12

54: NEW BENZAMIDE DERIVATIVES AS PPAR-GAMMA MODULATORS

00: -

The present invention relates to novel benzamides derivatives of formula (I) as modulators of PPAR-gamma receptor, 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 PPAR-gamma receptor, such as cancer; metabolic diseases, inflammatory diseases, respiratory disorders, autoimmune diseases, neurodegenerative diseases, cardiovascular diseases and renal diseases.



21: 2020/03871. 22: 2020/06/25. 43: 2021/09/14

51: A61K; A61P

71: FUJIFILM TOYAMA CHEMICAL CO., LTD.

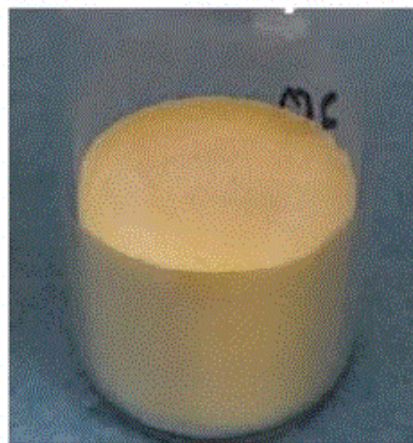
72: ONO, MAKOTO, HIROTA, TAKAFUMI, MIZOGAKI, IORI

33: JP 31: 2017-253576 32: 2017-12-28

54: METHOD FOR PRODUCING FREEZE-DRIED FORMULATION

00: -

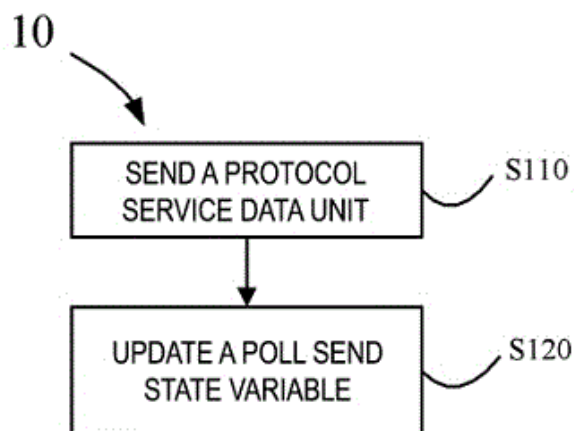
This method for producing a freeze-dried formulation including an amorphous form of 6-fluoro-3-hydroxy-2-pyrazinecarboxamide sodium salt is useful as a method for producing a freeze-dried formulation having uniform quality.



21: 2020/03873. 22: 2020/06/25. 43: 2021/09/14
 51: H04W
 71: SHARP KABUSHIKI KAISHA, FG INNOVATION COMPANY LIMITED
 72: XIAO, FANGYING, LIU, RENMAO
 33: CN 31: 201711290005.2 32: 2017-12-07
54: WIRELESS COMMUNICATION METHOD AND DEVICE

00: -

The present disclosure provides a method executed by user equipment, the method including: submitting, by a transmitting side of an Acknowledged Mode Radio Link Control (AM RLC) entity, to a lower layer an Acknowledged Mode data Service Data Unit (AMD PDU) including a poll. The method further includes: updating, by the RLC entity, a poll send state variable to the highest sequence number of an Acknowledged Mode Radio Link Control Service Data Unit (RLC SDU) submitted and awaiting acknowledgments. Furthermore, the present disclosure further provides corresponding user equipment.

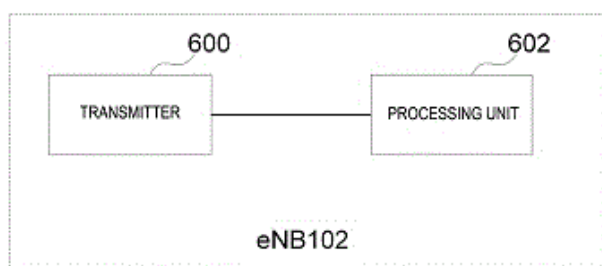


21: 2020/03875. 22: 2020/06/25. 43: 2021/09/14
 51: H04W
 71: SHARP KABUSHIKI KAISHA, FG INNOVATION COMPANY LIMITED
 72: TSUBOI, HIDEKAZU, HORI, TAKAKO, YAMADA, SHOHEI
 33: JP 31: 2017-253554 32: 2017-12-28
54: TERMINAL DEVICE, BASE STATION DEVICE, COMMUNICATION METHOD AND INTEGRATED CIRCUIT

00: -

Provided are a terminal device, a base station device, a communication method and an integrated

circuit, with which communications can be performed efficiently. The terminal device comprises: a receiving unit that receives a message to which has been added a data radio wave bearer (DRB) which includes EPS bearer identifier information; and a processing unit which, if first information is not included in the message, notifies an NAS layer that the DRB specified by the message has been established and also notifies the NAS layer of the EPS bearer identifier of the established DRB, and which, if the first information is included in the message, does not notify the NAS layer that the DRB specified by the message has been established and also does not notify the NAS layer of the EPS bearer identifier of the established DRB.

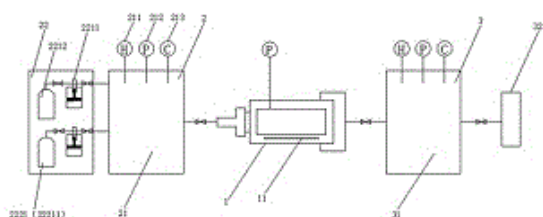


21: 2020/03912. 22: 2020/06/26. 43: 2021/09/06
 51: G01N
 71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
 72: WU, CAIFANG, HAN, JIANG, LI, GUANLIN, FANG, XIAOJIE
 33: CN 31: 201910059348.0 32: 2019-01-22
54: GAS-LIQUID TWO-PHASE SATURATED COAL ROCK SAMPLE EXPERIMENTAL DEVICE AND SATURATION TEST METHOD

00: -

Disclosed are a gas-liquid two-phase saturated coal rock sample experimental device and a saturation test method. The device includes a core holder. Two ends of the core holder are connected to a fluid entry device and a fluid discharge device respectively by means of a dense copper tube. The fluid entry device includes a first main device box and a plurality of gas-liquid pressurization tanks. The first main device box is provided with a humidity detector, a pressure detector, and a methane concentration detector. The gas-liquid pressurization tank includes a gas pressurization tank and a liquid pressurization tank. The fluid discharge device includes a second

main device box and a vacuum pump. The second main device box is provided with a humidity detector, a pressure detector, and a methane concentration detector. The vacuum pump is used to create a low-pressure environment in the second main device box. The present invention replaces the conventional liquid with atomized liquid, reduces the damage of the fluid to the structure and physical properties of the coal rock sample as much as possible while reducing the resistance of the fluid when passing through a porous medium, and reduces the difficulty in liquid saturation and gas-liquid displacement.



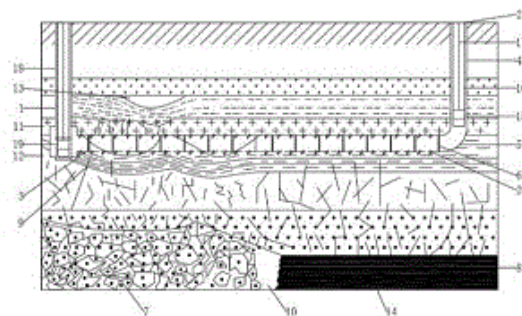
21: 2020/03913. 22: 2020/06/26. 43: 2021/09/06
51: E21B; E21F
71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY
72: WU, CAIFANG, FANG, XIAOJIE, LIU, NINGNING, LIU, XIAOLEI, ZHANG, HEWEI
33: CN 31: 201811493867.X 32: 2018-12-07
54: METHOD FOR COLLABORATIVE DRAINAGE OF ROOF BED-SEPARATION WATER AND COAL-MEASURE GAS

00: -

Disclosed is a method for collaborative drainage of roof bed-separation water and coal-measure gas. A sectional structure of a coal-bearing formation includes a vertical well, a horizontal well, a horizontal well horizontal section, a horizontal well vertical section, a horizontal well deflecting section, a seal, a goaf, a coal seam, a curved sunken zone, a working face, a hard rock stratum, a weak rock stratum, a bed-separation space, and an unmined area. The method includes the following steps: a. a phase of merely extracting coal seam gas; b. a phase of simultaneously carrying out water drainage and gas extraction; and c. a phase of merely draining roof bed-separation water. The present invention combines extraction of coal-measure gas, coal production, and prevention of a bed-separation water disaster in a mine, thus reducing the content

of gas in the coal seam, the working face, the goaf, and the roadway during coal mining, alleviating the damage of gas to safe production of the mine.

Moreover, the present invention promotes desorption and release of methane under the effect of the coal mining activity, increasing a production of the coal-measure gas. The present invention further prevents a secondary disaster caused by roof bed-separation water in bed-separation spaces of the goaf roof in the mine, achieving high economic and social benefits.



21: 2020/03920. 22: 2020/06/26. 43: 2021/09/10
51: B65G
71: FLEXIBLE STEEL LACING COMPANY
72: DEVRIES, Brett E., ZEILINGER, Todd A., DYKEMA, Kurt Alan, MOELKER, David Adrian
33: US 31: 62/610,015 32: 2017-12-22
33: US 31: 62/733,367 32: 2018-09-19
54: APPARATUS AND METHOD FOR MONITORING CONVEYOR SYSTEMS

00: -

In one aspect, an apparatus is provided for a conveyor belt system. The apparatus includes a conveyor belt cleaner having an elongate support and a pair of mounts configured to position the elongate support to extend across a conveyor belt. The apparatus includes a cleaner blade configured to be operatively mounted to the elongate support and engage a conveyor belt. The apparatus further includes a sensor configured to detect at least one characteristic of the elongate support as the elongate support vibrates during conveyor belt operation. A processor of the apparatus is configured to use the at least one characteristic of the elongate support to predict at least one property of the cleaner blade.

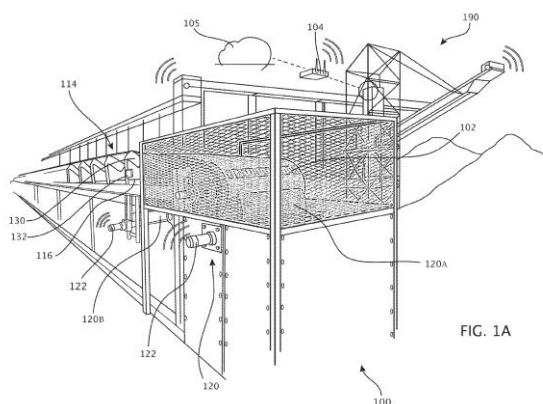
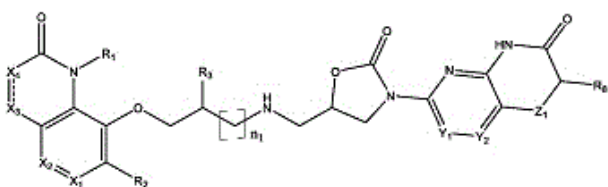


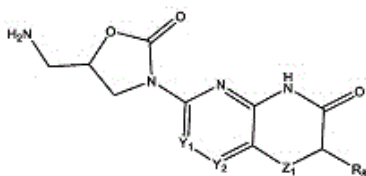
FIG. 1A

21: 2020/03950. 22: 2020/06/29. 43: 2021/09/06
 51: C07D; A61K; A61P
 71: BUGWORKS RESEARCH, INC.
 72: PEER MOHAMED, SHAHUL HAMEED, BHARATHAM, NAGAKUMAR, KATAGIHALLIMATH, NAINESH, SHARMA, SREEVALLI, NANDISHAIAH, RADHA, RAMACHANDRAN, VASANTHI
 33: IN 31: 201741042876 32: 2017-11-29
54: ANTI-BACTERIAL HETEROCYCLIC COMPOUNDS AND THEIR SYNTHESIS

00: -
 The compounds of Formula I and Formula (B) are described herein along with their stereoisomers, pharmaceutically acceptable salts, complexes, hydrates, solvates, tautomers, polymorphs, racemic mixtures, optically active forms, and pharmaceutically active derivatives thereof. These compounds are useful for killing or inhibiting the growth of a microorganism selected from the group consisting of bacteria, virus, fungi, and protozoa.



Formula I

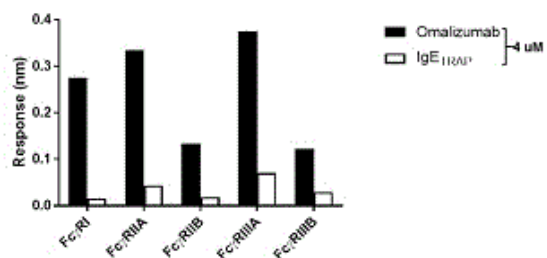


Formula (B)

21: 2020/03952. 22: 2020/06/29. 43: 2021/09/06
 51: C07K; A23L; A61K
 71: GI INNOVATION, INC.
 72: SUNG, YOUNG CHUL, YANG, ZUNGYOON
 33: KR 31: 10-2018-0002248 32: 2018-01-08
54: EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF IGE FC RECEPTOR, PHARMACEUTICAL COMPOSITION COMPRISING SAME AND METHOD FOR PRODUCING SAME

00: -

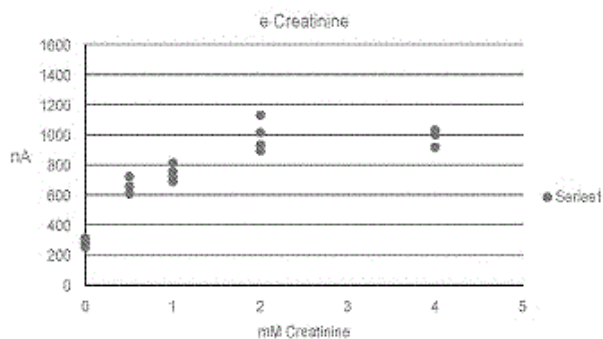
The present invention provides a polypeptide protein dimer comprising two monomers comprising an extracellular domain of an alpha subunit of an IgE Fc receptor (FcεR1a-ECD). The protein dimer according to the present invention is excellent in IgE binding ability and lacks ADCC and CDC functions when compared with a conventional therapeutic agent comprising an anti-IgE antibody, and has an advantage of fewer other side effects, and therefore, the protein dimer may be applied to medicine for therapeutic or prophylactic use against allergic diseases mediated by IgE.



21: 2020/03957. 22: 2020/06/29. 43: 2021/09/06
 51: C12M; C12Q; G01N; H01M
 71: POLYMER TECHNOLOGY SYSTEMS, INC.
 72: WERNER, BRITTNEY, HUGHES, GARY
 33: US 31: 62/616,339 32: 2018-01-11
54: SYSTEMS AND METHODS FOR ELECTROCHEMICAL CREATININE ASSAYS AND BLOOD UREA NITROGEN

00: -

A system for the electrochemical detection of analyte levels includes a test strip including an electrode and a counter electrode, the electrode and counter electrode located proximate to a sample reception area. The system further includes a coating on one of the electrode and counter electrode, the coating including a reagent coating for an analyte. The reagent coating includes a creatinine iminohydrolase, deamido NAD⁺, ATP, and NAD Synthetase/Mg²⁺.

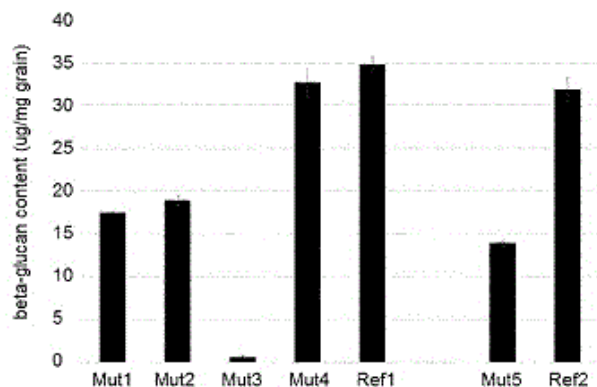


21: 2020/03959. 22: 2020/06/29. 43: 2021/09/06
 51: A01H; C07K; C12N
 71: CARLSBERG A/S
 72: KNUDSEN, SØREN, BODEVIN, SABRINA, OLSEN, OLE, THOMSEN, HANNE, WENDT, TONI, HARHOLT, JESPER, LOK, FINN
 33: EP 31: 17210954.8 32: 2017-12-28

54: CEREAL PLANTS WITH IMPROVED CELL WALL PROPERTIES

00: -

The present invention relates to barley plant or a part thereof, wherein the kernels of said barley plant have a reduced (1,3;1,4)- β -glucan content. The barley plant may carry a mutation in the CsIF6 gene, wherein said mutated CsIF6 gene encodes a mutant CsIF6 polypeptide.

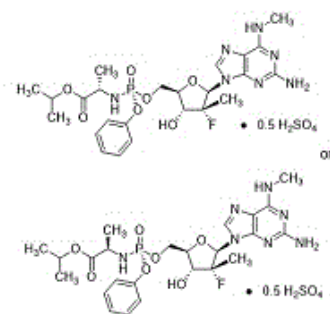
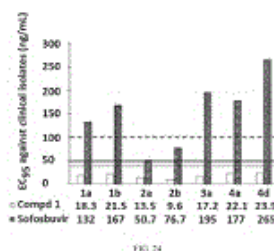


21: 2020/03972. 22: 2020/06/30. 43: 2021/09/08
 51: C07F
 71: ATEA PHARMACEUTICALS, INC.
 72: MOUSSA, ADEL, SOMMADOSSI, JEAN-PIERRE
 33: US 31: 62/575,248 32: 2017-10-20
 33: US 31: 62/469,912 32: 2017-03-10
 33: US 31: 62/453,437 32: 2017-02-01
 33: US 31: 62/488,366 32: 2017-04-21

54: NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS

00: -

A hemi-sulfate salt of the structure: [Formulae should be inserted here] to treat a host infected with hepatitis C, as well as pharmaceutical compositions and dosage forms, including solid dosage forms, thereof.

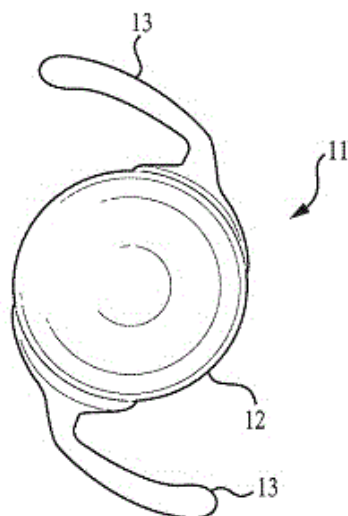


21: 2020/03988. 22: 2020/06/30. 43: 2021/09/01
 51: A61F; A61L
 71: MENICON CO., LTD.
 72: SUGANUMA, YUYA, NOMURA, HIROKO, TSUKAMOTO, KEISHI, OJIO, TATSUYA

54: INTRAOCULAR LENS

00: -

An intraocular lens includes a polymeric lens material formed from a polymerizable composition. The polymerizable composition includes: (a) a single aromatic acrylate monomer which is an aromatic-ring containing acrylate; (b) an alkoxyalkyl methacrylate monomer having an alkoxyalkyl group with 4 or less carbon atoms; (c) an alkyl acrylate monomer having an alkyl group with 1 to 20 carbon atoms; (d) a hydrophilic monomer; and (e) a crosslinkable monomer.

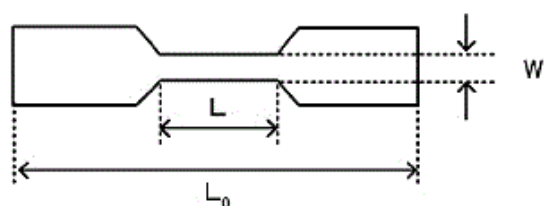


21: 2020/03989. 22: 2020/06/30. 43: 2021/09/01
 51: A61L; A61F
 71: MENICON CO., LTD.
 72: SUGANUMA, YUYA, NOMURA, HIROKO, OJIO,
 TATSUYA, TSUKAMOTO, KEISHI

54: MATERIAL FOR INTRAOCULAR LENS

00: -

The present invention provides a material for intraocular lens which has improved hydrolysis resistance. The material for intraocular lens according to the present invention is obtained by polymerizing a monomer composition comprising: a base monomer, a hydrophilic monomer, and a cross-linkable monomer, wherein the base monomer comprises an aromatic ring-containing acrylate monomer and an alkoxyalkyl methacrylate monomer having an alkoxyalkyl group having four or less carbon atoms. A blending ratio on a molar basis of the methacrylate monomer with respect to the acrylate monomer in all the monomer components contained in the monomer composition is 0.25 to 1.00.



21: 2020/03991. 22: 2020/06/30. 43: 2021/09/06
 51: H04L; H04W

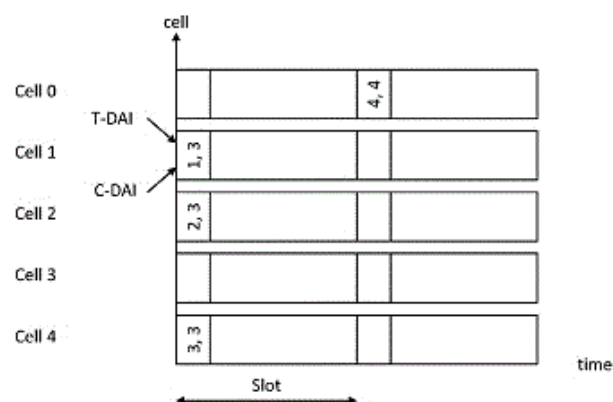
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: BALDEMAIR, ROBERT

54: POWER CONTROL FOR FEEDBACK SIGNALING

00: -

A method of operating a user equipment (10) in a radio access network is disclosed. The method comprises transmitting feedback signaling pertaining to a plurality of cells, the feedback signaling being transmitted at a power level, the power level being based on a difference between a value V and a value U, the value V being indicative of the total number of scheduling assignments the user equipment (10) is expected to receive for the plurality of cells, and the value U being indicative of the 1395 total number of scheduling assignments for the plurality of cells received by the user equipment (10). The disclosure also pertains to related devices and methods.



21: 2020/03992. 22: 2020/06/30. 43: 2021/09/06
 51: H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: LEHTOVIRTA, VESA, NORRMAN, KARL, MARTINEZ DE LA CRUZ, PABLO, SAARINEN, PASI, TORVINEN, VESA

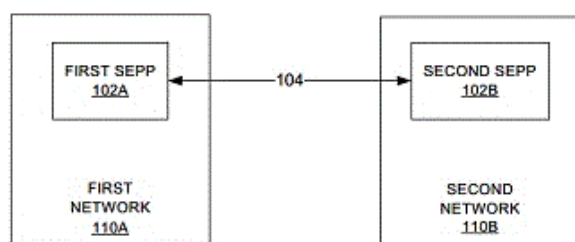
33: US 31: 62/632,415 32: 2018-02-19

54: SECURITY NEGOTIATION IN SERVICE BASED ARCHITECTURES (SBA)

00: -

The disclosure provides techniques for negotiating security mechanisms between security gateways (102A, 102B). In these techniques, an initiating security gateway (102A) sends (302) a request message to a responding security gateway (102B)

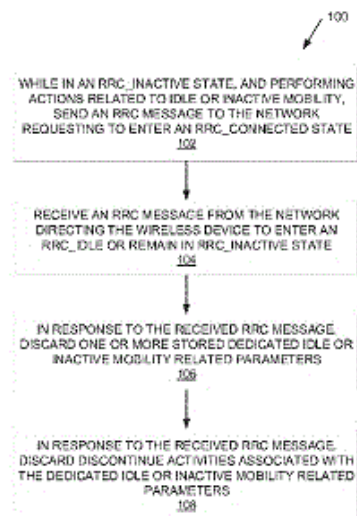
over a first connection established between the security gateways. The first connection provides integrity protection for 5 the messages. The request message includes one or more security mechanisms supported by the initiating security gateway. Upon receipt, the responding security gateway selects (406) one of the security mechanisms and transmits (408) a response message to the initiating security gateway indicating the selected security mechanism. Signaling messages are then communicated (310, 412) between the security gateways using the selected security 10 mechanism.



21: 2020/03995. 22: 2020/06/30. 43: 2021/09/06
51: H04W
71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)
72: DA SILVA, ICARO L. J, MILDH, GUNNAR
33: US 31: 62/652,226 32: 2018-04-03
54: HANDLING OF PARAMETERS PROVIDED IN RELEASE / SUSPEND

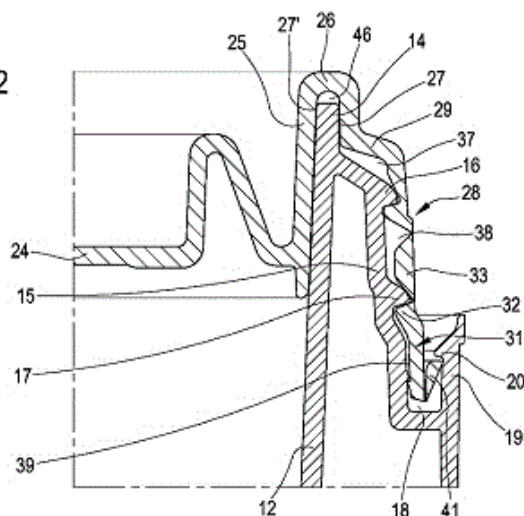
00: -
A new mechanism is introduced for handling parameters received when the UE enters RRC_INACTIVE upon the UE trying to resume an RRC connection and, as a response, receives a Release or Suspend message. In one embodiment a method comprises stopping the timer associated to the mobilityControllInfo (equivalent to T320), if running, and discarding the parameters with mobilityControllInfo upon the receipt of an RRC Release or RRC Suspend (as well as, conventionally, RRC Resume or RRC Setup). In another embodiment a method comprises discarding information received in a Release or Suspend message upon receipt of RRC Release or RRC Suspend (as well as, conventionally, RRC Resume or RRC Setup). A new mechanism is introduced for handling parameters received when the UE enters RRC_INACTIVE upon the UE trying to resume an

RRC connection and, as a response, receives a Release or Suspend message. This coordinates UE activity with behavior known or expected by the network in some new NR signaling scenarios.



21: 2020/04057. 22: 2020/07/02. 43: 2021/09/06
51: B65D
71: ABATE BASILIO & C. S.N.C.
72: ABATE, DAVIDE
33: IT 31: 102017000139698 32: 2017-12-04
54: ASSEMBLY OF A CONTAINER AND A LID IN PLASTIC MATERIAL

00: -
An assembly of a container (10) and a lid (13) of plastic material, in which the container (10) and the lid (13) are provided with a respective outer skirt (15, 28) having snap engaging annular locking beads (16, 17; 30, 32) for the lid (13), configured with seal surfaces. The outer skirt (28) of the lid (13) is provided with a hooking crown (40) having a plurality of outwardly facing tabs (41), side by side arranged and separated by transverse slits (42); each tab (41) is connected to a lower rim of the skirt (28) of the lid (13), by an elastically flexible hinge (42) to allow, in the assembled condition of the lid (13) and of the container (10), the hooking crown (40) to be introduced into an upwardly facing channel (18) of the skirt (15) of the container (10), and the hooking with an annular bead (20).

FIG.2

21: 2020/04059. 22: 2020/07/02. 43: 2021/10/27
51: H01F

71: EHMANN, Bertram

72: EHMANN, Bertram

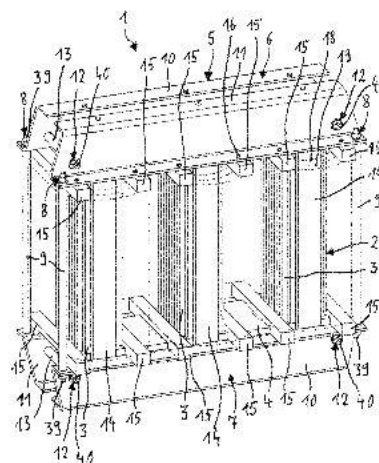
33: EP 31: 17209160.5 32: 2017-12-20

**54: RETAINING DEVICE FOR RETAINING A
SOFT-MAGNETIC STACKED TRANSFORMER
CORE, AND TRANSFORMER**

00: -

The invention relates to a retaining device (5) for retaining a soft-magnetic stacked transformer core (2) having layers with an amorphous and/or nanocrystalline microstructure made of an iron alloy, wherein the stacked transformer core (2) has two coil limbs (3) running parallel to one another and two yokes (4) connected to mutually opposite ends of the coil limbs (3). The retaining device (5) has two retaining units (6, 7), which can each be arranged on one of the two yokes (4) such that the retaining units (6, 7) are arranged at mutually opposite end regions of the stacked transformer core (2), and also has at least one mechanical fixing means (8), which acts on the two retaining units (6, 7) and via which the two retaining units (6, 7) are connected to one another such that they can be released in a non-destructive manner. In order to provide a more energy-efficient transformer (1), the retaining device (5) has at least one spacer (9), which is clamped in between the retaining units (6, 7), and at least one spring element, which can be arranged between at least one retaining unit (6, 7) and the stacked transformer core (2), wherein the retaining device (5) is designed

such that, when the stacked transformer core (2) is arranged on the retaining device (5), the spring element is in a state in which it has been elastically deformed by the resulting, at least indirect contact with the stacked transformer core (2).



21: 2020/04137. 22: 2020/07/07. 43: 2021/10/27
51: C12Q

71: QINGDAO AGRICULTURAL UNIVERSITY

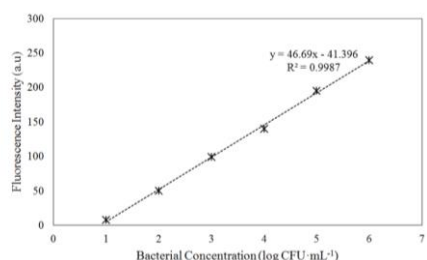
72: WU WEI, YANG QINGLI, DU HAN

33: CN 31: 202010522243.7 32: 2020-06-10

**54: BIOSENSOR ESTABLISHMENT FOR
SALMONELLA TYPHIMURIUM DETECTION**

00: -

Biosensor Establishment for Salmonella typhimurium detection, belonging to the technical field of harmful microorganism detection. The biosensor is composed of a carbon quantum dot (Td-CD) modified by the aptamer of Salmonella typhimurium and a magnetic bead (Td-MB) modified by the aptamer of Salmonella typhimurium. Among them, the aptamer of Salmonella typhimurium is assembled with other nucleic acids to form a DNA tetrahedral structure through sequence design, and then used to modify carbon quantum dots and magnetic beads, respectively. The method of detecting Salmonella typhimurium by the biosensor of the present invention is simple to operate, short in time, and does not require complex pretreatment of the tested sample, with low detection cost.



21: 2020/04348. 22: 2020/07/15. 43: 2021/09/08
51: B60J

71: BOTHA, Lizelle, BOTHA, Luan

72: BOTHA, Luan

33: ZA 31: 2018/05466 32: 2018-08-16

33: ZA 31: 2018/01379 32: 2018-05-21

54: VEHICLE WINDOW ASSEMBLY

00: -

A vehicle window assembly which includes a transparent sheet (12), a supportive frame (14), extending circumferentially about the transparent panel (sheet 12), and, a mounting arrangement for mounting the vehicle window assembly detachable onto a window zone of a vehicle. The supportive frame (14) overlaps the transparent sheet (12) circumferentially and about a peripheral region thereof and includes metallic frame members in the form of a flat metallic bar (18) and an angular member (20) of substantial L - shape in cross sectional side view.

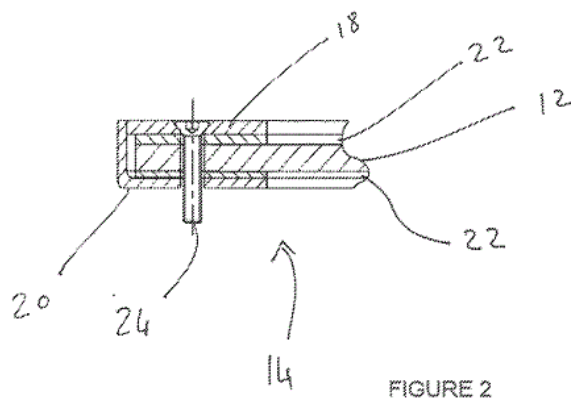


FIGURE 2

21: 2020/04383. 22: 2020/07/16. 43: 2021/09/06
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: 62/782,659 32: 2018-12-20

33: US 31: 62/691,366 32: 2018-06-28

33: US 31: 62/739,402 32: 2018-10-01

33: US 31: 62/630,385 32: 2018-02-14

33: US 31: 62/726,608 32: 2018-09-04

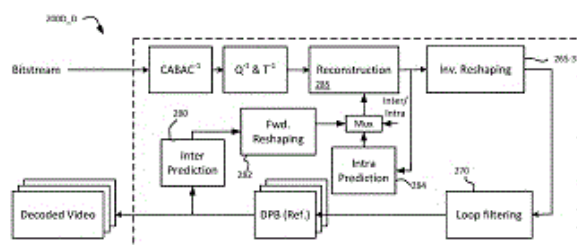
33: US 31: 62/772,228 32: 2018-11-28

33: US 31: 62/792,122 32: 2019-01-14

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: 2020/04402. 22: 2020/07/17. 43: 2021/08/24
51: B65D

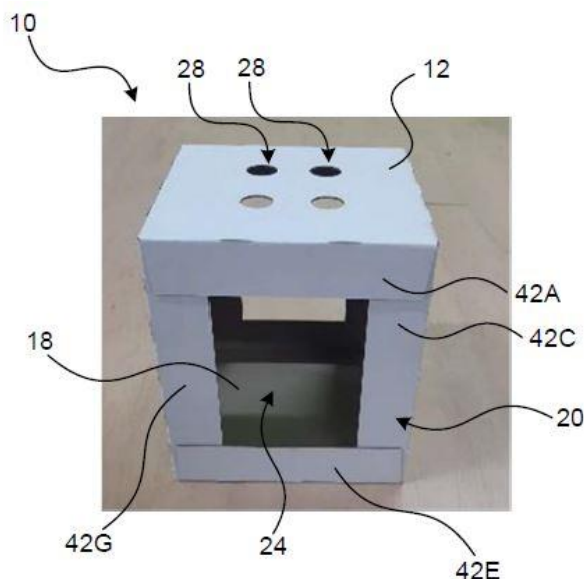
71: CORRUSEAL GROUP (PTY) LTD

72: MOODIE, Julian Sinclair, SAIB, Abdur Raoof

54: A CONTAINER

00: -

A container and a blank for such a container are disclosed. The container comprises a base, sidewalls and a top wall defining a receiving zone between them. A set of at least four rounded, spaced apart holes in the top wall defines a carrying handle arrangement. The holes are arranged and dimensioned for receiving fingers of a user to facilitate carrying of the container. The container may be used as a milk carton.



21: 2020/04558. 22: 2020/07/23. 43: 2021/08/24
51: B01F; C02F

71: SHAYNE HALL and QUINTEN DICKERSON
72: HALL, Shayne Gilbert, DICKERSON, Quinten Colin

33: ZA 31: 2019/02637 32: 2019-04-26

54: APPARATUS AND METHOD FOR TREATMENT OF A LIQUID

00: -

The invention relates to a method of treating water, to a water treatment apparatus and to a water treatment installation system comprising the water treatment apparatus, regardless of the number or size of the water treatment apparatus comprised in the installation system and/or the scale of such water treatment apparatus or system.



21: 2020/04773. 22: 2020/07/31. 43: 2021/08/24

51: A61K; A61P; C07D

71: Japan Tobacco Inc.

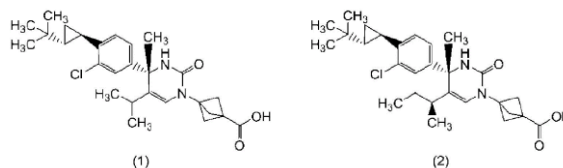
72: SAKAI, Takayuki, IKENOGAMI, Taku

33: JP 31: 2018-035597 32: 2018-02-28

54: 4-METHYLDIHYDROPYRIMIDINONE COMPOUNDS AND PHARMACEUTICAL USE THEREOF

00: -

The present invention relates to: a 4-methyldihydropyrimidinone compound having an ROR-γ antagonistic activity or a pharmacologically acceptable salt of the compound; a medicinal composition containing the compound or salt; and a medicinal use of the compound or salt. Provided are: the compound of formula (1) or (2) or a pharmacologically acceptable salt of the compound; a medicinal composition containing the compound or salt; and a medicinal use of the compound or salt.



21: 2020/04870. 22: 2020/08/05. 43: 2021/11/12

51: B23B

71: HENAN POLYTECHNIC UNIVERSITY

72: TONG, Jinglin, CHEN, Peng, ZHAO, Junshuai, CUI, Feng, WANG, Xiaobo, WEI, Guan, WANG, Xue, ZHANG, Zhiming

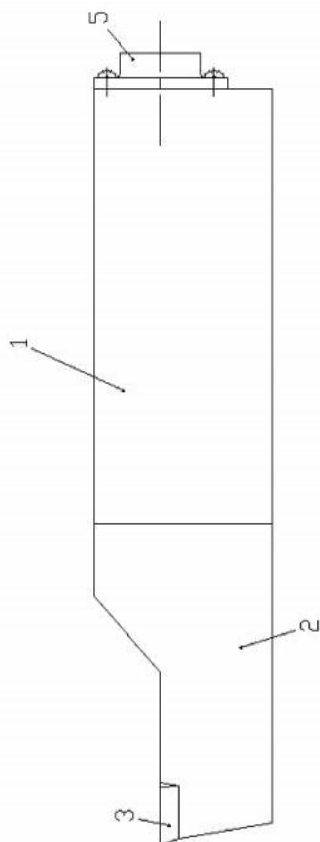
33: CN 31: 201810887074.X 32: 2018-08-06

54: INTEGRATED ULTRASONIC LONGITUDINAL-BENDING COMPOSITE MACHINING TOOL FOR DIFFICULT-TO-MACHINE MATERIAL

00: -

An integrated ultrasonic longitudinal-bending composite machining tool for a difficult-to-machine material. The tool comprises a tool body (1); a tool head portion (2) connected to a front end of the tool body (1) and having a wedge structure; and a machine-held cutting blade (3) installed at a front end of the tool head portion (2). The composite machining tool is fastened to a tool holder of a turret lathe. A signal of an ultrasonic generator is input into a transducer assembly (4) by an aviation plug (5), such that the transducer assembly generates regular high-frequency vibration, and accordingly drives the tip of the tool to generate a longitudinal-torsional vibration amplitude, thereby achieving ultrasonic machining. The entire device has a small volume, is easy to operate, assemble and disassemble, provides higher machining precision than conventional machining, and reduces the number of

machining steps, thereby improving the efficiency of machining and lowering costs.



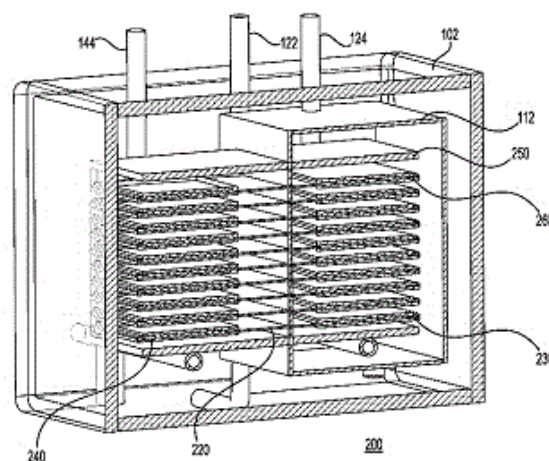
21: 2020/04896. 22: 2020/08/07. 43: 2021/09/03
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: CHRISTIANSEN, MARTIN B, WAKAMIYA, STANLEY K, CHOROSINSKI, LEONARD G, HEFFNER, HARLAN C
33: US 31: 15/921,311 32: 2018-03-14

54: COMPUTING SYSTEM WITH SUPERCONDUCTING AND NON-SUPERCONDUCTING COMPONENTS LOCATED ON A COMMON SUBSTRATE

00: -

A computing system including a common substrate having both superconducting components and non-superconducting components is provided. The superconducting components may be attached towards a first end of the common substrate and the non-superconducting components may be attached towards a second end, opposite to the first end, of the common substrate. The common substrate may include circuit traces for interconnecting the superconducting components with the non-

superconducting components. A heat-shield may thermally separate the first end from the second end of the common substrate such that the superconducting components are configured to operate in a temperature range between 2 Kelvin to 77 Kelvin and the non-superconducting components are configured to operate in a temperature range between 200 Kelvin to 400 Kelvin. Each of the superconducting components may be configured to provide primarily a processor functionality and each of the non-superconducting components may be configured to provide primarily a storage functionality.



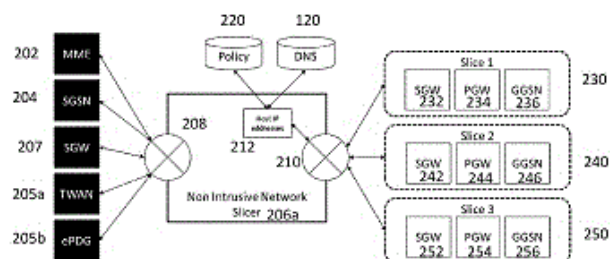
21: 2020/04897. 22: 2020/08/07. 43: 2021/09/03
51: H04L
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: QIAN, HAIBO, MURALIDHARAN, SRINIVASAN, NICKELL, KENTON PERRY, PARKER, RONALD M, RINK, FRED
33: US 31: 62/645,484 32: 2018-03-20

54: SYSTEMS AND METHODS FOR NETWORK SLICING

00: -

Embodiments disclosed herein relate to systems and methods for network slicers. Network slicers can receive creation request messages and select network slices based on policies. A network slicer can indicate to next hop routers that it has lower routing costs in order to receive messages, and inspect the received messages to identify creation request messages. A network slicer can indicate to a DNS server that it has a higher priority than other network elements, and receive creation request messages based on the higher priority. New creation

request messages can be sent to the selected network slices based on received creation request messages. The network can also create and send appropriate response messages to the creation request to establish future communications with the selected network slice.



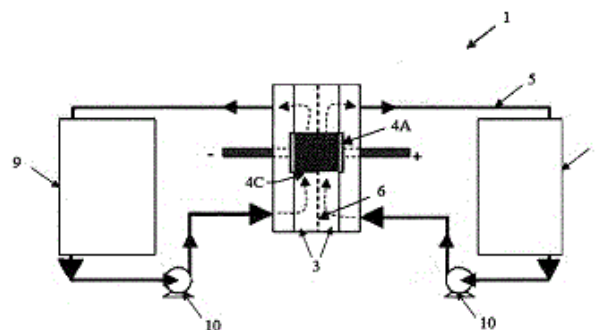
21: 2020/04941. 22: 2020/08/11. 43: 2021/09/21
51: C25B

71: UNIVERSITÉ CATHOLIQUE DE LOUVAIN
72: PROOST, JORIS, DE RADIGUËS DE
CHENNEVIÈRES, QUENTIN, THUNIS, GRÉGOIRE
33: EP 31: 18161044.5 32: 2018-03-09

54: SYSTEM FOR PROCESS INTENSIFICATION OF WATER ELECTROLYSIS

00: -

The present invention relates to a system (1) for water electrolysis, for production of hydrogen and oxygen, comprising: at least one unit cell having at least two compartments (3), each compartment (3) being configured to have an electrolyte solution flowing through the compartment (3), from at least one inlet port to at least one outlet port of the system (1), at least two being gas-producing porous electrodes, which are at least one anode (4A) and at least one cathode (4C), located each in one compartment (3); at least one electrode being tridimensional; at least one hydraulic circuit (5), means for ensuring a forced electrolytic solution flow in each compartment (3), and means for applying a DC bias voltage to said electrodes.



21: 2020/05016. 22: 2020/08/13. 43: 2021/09/23
51: G06Q

71: MASTERCARD INTERNATIONAL
INCORPORATED

72: PRAKASH, MAYANK, PADHIARY, SATYA
SUDIPTA, JAIN, VAIRAG

33: IN 31: 201811014925 32: 2018-04-19

54: METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR CONTACTLESS PAYMENTS

00: -

The present invention relates to contactless payments using an electronic payment transaction environment. In particular, the invention provides methods, systems and computer program products for implementing contactless payments based on a dual protocol display label comprising an optical code and an NFC tag, each configured to communicate merchant information for the purposes of enabling electronic payments to a merchant.

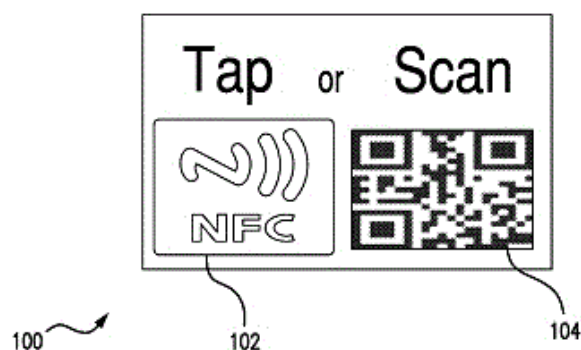


FIG. 1

21: 2020/05156. 22: 2020/08/19. 43: 2021/09/06
51: C11D

71: UNILEVER PLC

72: CROSSMAN, MARTIN CHARLES

33: EP 31: 18159783.2 32: 2018-03-02

54: LAUNDRY COMPOSITION

00: -

A laundry composition comprising: a. Soil release polymer b. Silicone c. Cationic polymer d. Surfactant e. Water.

21: 2020/05290. 22: 2020/08/25. 43: 2021/09/22

51: H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

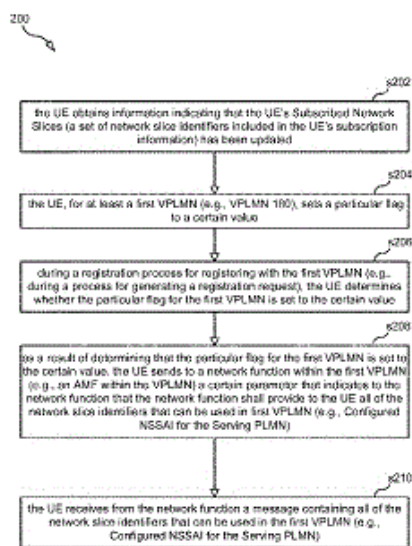
72: RAMLE, PETER, JOHANSSON, KAJ, HEDMAN, PETER

33: US 31: 62/657,754 32: 2018-04-14

54: NETWORK SLICE CONFIGURATION UPDATE

00: -

Network slice configuration update methods for providing a user equipment (UE) registered with (or attempting to register with) a Public Land Mobile Network (PLMN) the most up-to-date Configured NSSAI for the PLMN.



21: 2020/05362. 22: 2020/08/27. 43: 2021/09/06

51: C07D; A61P

71: MEDSHINE DISCOVERY INC.

72: LEI, MAOYI, XU, YU, LUO, YUNFU

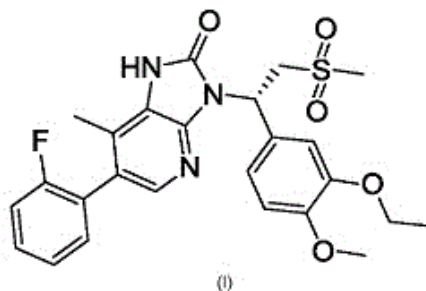
33: CN 31: 201810085704.1 32: 2018-01-29

54: CRYSTAL FORM OF 1H-IMIDAZO[4,5-B]PYRIDINE-2(3H)-ONE COMPOUND AND PREPARATION PROCESS THEREFOR

00: -

Disclosed are a crystal form of 1H-imidazo[4,5-b]pyridine-2(3H)-one compound and a preparation process therefor, and use of the crystal form in the

manufacture of a medicament for treating a disease associated with PDE4 receptor.



21: 2020/05373. 22: 2020/08/28. 43: 2021/08/24

51: H04S

71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

72: WÜBBOLT, Oliver, KUNTZ, Achim, ERTEL, Christian, DICK, Sascha, NAGEL, Frederik, NEUSINGER, Matthias

33: EP 31: 18154307.5 32: 2018-01-30

33: EP 31: PCT/EP2018/025211 32: 2018-08-08

54: APPARATUSES FOR CONVERTING AN OBJECT POSITION OF AN AUDIO OBJECT, AUDIO STREAM PROVIDER, AUDIO CONTENT PRODUCTION SYSTEM, AUDIO PLAYBACK APPARATUS, METHODS AND COMPUTER PROGRAMS

00: -

An apparatus (100) for converting an object position of an audio object from a cartesian representation (110) to a spherical representation (112) is described. A basis area of the cartesian representation is subdivided into a plurality of basis area triangles (630, 532, 634, 636), and wherein a plurality of spherical-domain triangles (660, 662, 664, 666) are inscribed into a circle of a spherical representation. The apparatus is configured to determine, in which of the basis area triangles a projection (P) of the object position of the audio object into the base area is arranged; and the apparatus is configured to determine a mapped position (formula (I)) of the projection (P) of the object position using a linear transform (formula (II)), which maps the base area triangle onto its associated spherical domain triangle. The apparatus is configured to derive an azimuth angle (f) and an intermediate radius value (formula (III)) from the mapped position (formula (I)). The apparatus is

configured to obtain a spherical domain radius value (formula (IV)) and an elevation angle (formula (V)) in dependence on the intermediate radius value (r_{xy} , formula (III)) and in dependence on a distance (z) of the object position from the base area. An apparatus for converting an object position of an audio object from a spherical representation to a spherical representation, applications of these apparatuses, methods and computer programs are also described.

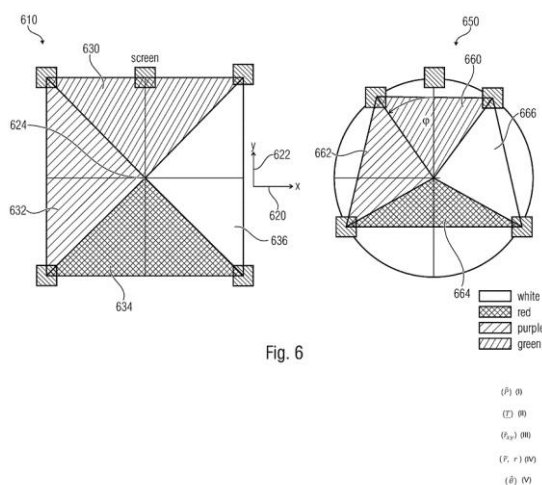


Fig. 6

21: 2020/05549. 22: 2020/09/08. 43: 2021/07/08

51: E04H

71: SECUROMESH CC

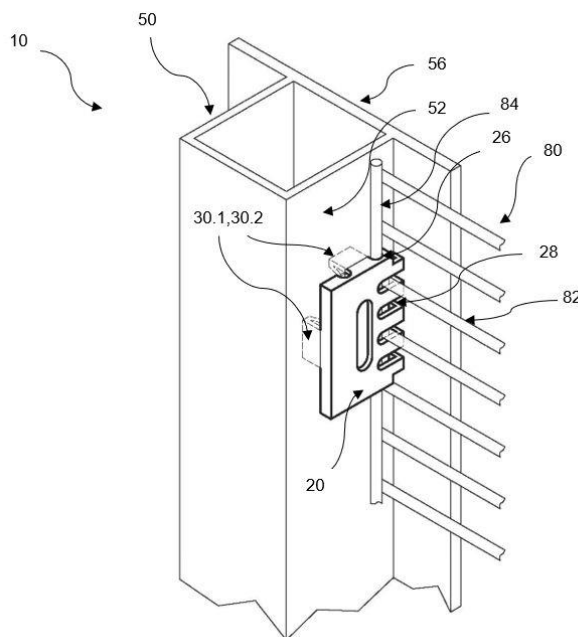
72: BERNIC, Daniel

54: POST AND CLAMP FIXING SYSTEM FOR A FENCE AND METHOD OF ASSEMBLING SAME

00: -

A post and clamp fixing system for a mesh fence having mesh panels with horizontal and vertical rods, the post and clamp fixing system comprising: at least one post having a side wall defining at least one opening; at least one clamp provided with securing members for the horizontal and vertical rods and with at least one yieldable fastener defining a width x and being displaceable between a relaxed configuration and an operative configuration, the latter being discernible when the at least one yieldable fastener is urged to enter the at least one opening thereby to decrease the width of the at least one yieldable fastener to a width smaller than the width x ; the at least one yieldable fastener being biased to remain in the relaxed configuration with

constant width x before and after entry of the at least one opening. A method of assembly of a fence is included.



21: 2020/05565. 22: 2020/09/08. 43: 2021/09/28

51: A61K; A61P

71: PHARMAJOR

72: EL GLAOU, GUILLAUME, EL GLAOU, MEHDI, PERRIN, PHILIPPE, DROUPY, STÉPHANE, AGATHON-MERIAU, VÉRONIQUE

33: EP 31: 18305328.9 32: 2018-03-23

33: US 31: 62/763,129 32: 2018-03-23

54: NON-HORMONAL COMPOSITIONS AND METHODS FOR MALE CONTRACEPTION

00: -

The present invention relates to the use of a composition in a non-hormonal contraception method for a male subject, comprising administering an alpha-1-adrenoreceptor antagonist; wherein the contraception method includes a once daily administration of said composition at about the same time each day, triggering a continuous reversible aspermia, azoospermia, or severe oligozoospermia in the male subject, and wherein after an initial period of at least two consecutive days, the contraception is not impaired by a delay of the subsequent once daily intake. This invention also relates to the packaging comprising 7, 14, 28, 56, 84, or 168 to 365 unit doses; or 10, 20, 30, 60, 90, or

180 to 360 single doses of the composition to be implemented according to the present invention.

21: 2020/05606. 22: 2020/09/09. 43: 2021/09/21
51: G06N

71: MICROSOFT TECHNOLOGY LICENSING, LLC

72: VANGALA, VIPINDEEP, SRINIVASAN,
SUNDARARAJAN, GUNDA, RAJESH

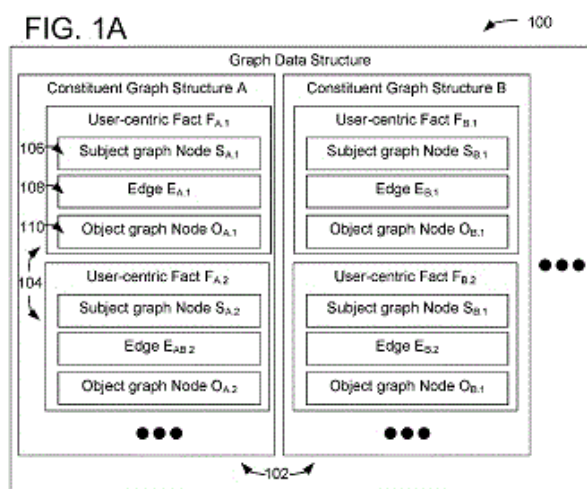
33: US 31: 15/952,054 32: 2018-04-12

**54: COMPUTERIZED ASSISTANCE USING
ARTIFICIAL INTELLIGENCE KNOWLEDGE BASE**

00: -

A computerized personal assistant includes a natural language user interface, a natural language processing machine, an identity machine, and a knowledge-base updating machine. The knowledge-base updating machine is configured to update a user-centric artificial intelligence knowledge base associated with the particular user to include a new or updated user-centric fact based on the computer-readable representation of the user input, wherein the knowledge-base updating machine updates the user-centric artificial intelligence knowledge base via an update protocol useable by a plurality of different computer services.

FIG. 1A



21: 2020/05607. 22: 2020/09/09. 43: 2021/09/21
51: G06F

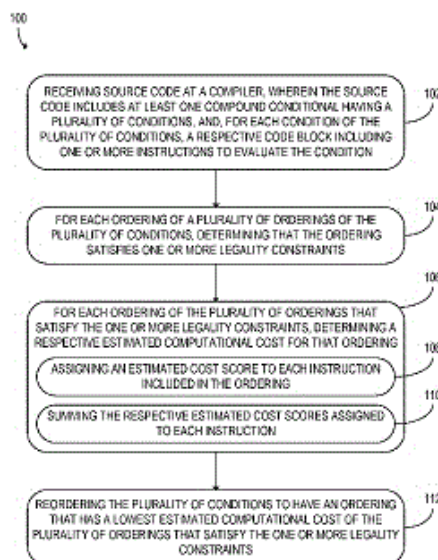
71: MICROSOFT TECHNOLOGY LICENSING, LLC

72: SABNE, AMIT JAYANT, BRUMER, ERIC AVI
33: US 31: 15/953,334 32: 2018-04-13

**54: COMPOUND CONDITIONAL REORDERING
FOR FASTER SHORT-CIRCUITING**

00: -

A computing device is provided, including a processor configured to receive source code at a compiler. The source code may include at least one compound conditional having a plurality of conditions. For each condition of the plurality of conditions, the source code may further include a respective code block including instructions to evaluate the condition. For each ordering of a plurality of orderings of the plurality of conditions, the processor may determine that the ordering satisfies one or more legality constraints. For each ordering of the plurality of orderings that satisfy the one or more legality constraints, the processor may determine a respective estimated computational cost for that ordering. The processor may reorder the plurality of conditions to have an ordering that has a lowest estimated computational cost of the plurality of orderings that satisfy the one or more legality constraints.



21: 2020/05608. 22: 2020/09/09. 43: 2021/09/21
51: G06F

71: MICROSOFT TECHNOLOGY LICENSING, LLC

72: FOWERS, JEREMY, OVTCHAROV, KALIN,
CHUNG, ERIC S, MASSENGILL, TODD MICHAEL,
LIU, MING GANG, WEISZ, GABRIEL LEONARD
33: US 31: 15/959,209 32: 2018-04-21

**54: MATRIX VECTOR MULTIPLIER WITH A
VECTOR REGISTER FILE COMPRISING A MULTI-
PORT MEMORY**

00: -

Neural network processors including a vector register file (VRF) having a multi-port memory and

related methods are provided. The processor may include tiles to process an N by N matrix of data elements and an N by 1 vector of data elements. The VRF may, in response to a write instruction, store N data elements in a multi-port memory and during each one of out of P clock cycles provide N data elements to each one of P input interface circuits of the multi-port memory comprising an input lane configured to carry L data elements in parallel. During the each one of the P clock cycles the multi-port memory may be configured to receive N data elements via a selected at least one of the P input interface circuits. The VRF may include output interface circuits for providing N data elements in response to a read instruction.

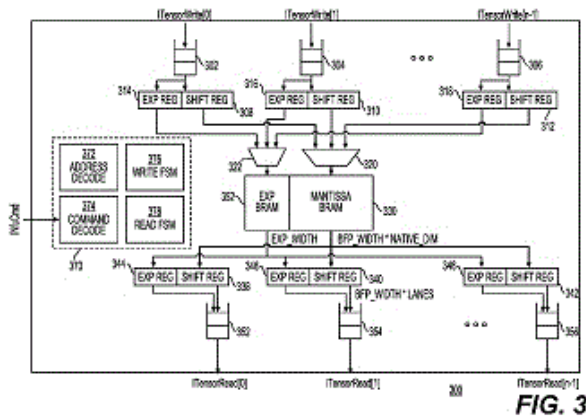


FIG. 3

21: 2020/05609. 22: 2020/09/09. 43: 2021/09/21
51: G06F
71: MICROSOFT TECHNOLOGY LICENSING, LLC
72: WEINS, CONNOR LAWRENCE, ABZARIAN, DAVID
33: US 31: 15/965,403 32: 2018-04-27
54: MECHANISM FOR PEN INTEROPERABILITY WITH PRESSURE SENSOR DESIGN

00: -
Features of the present disclosure solve the above-identified problem by implementing techniques to detect the contact or proximity of a stylus to a display screen of a computer device in the absence of pressure information within the constraints of existing pen protocols. To this end, a digitizer associated with the display screen of the computer device may determine when the stylus is touching (or significantly close) the screen when a signal communication between the pen and digitizer exceeds a threshold (e.g., time or voltage).

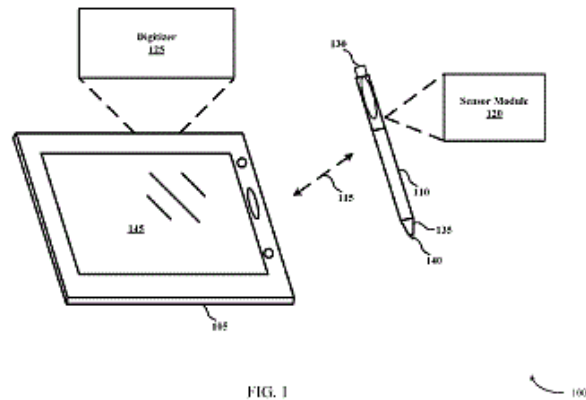
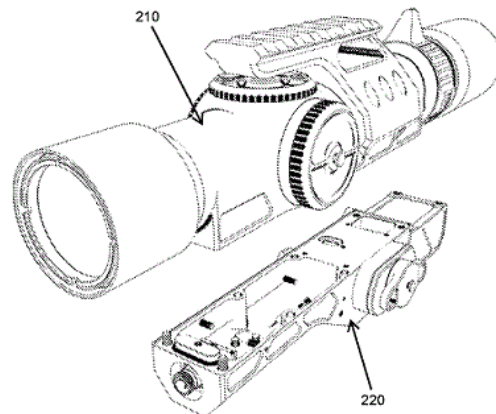


FIG. 1

21: 2020/05799. 22: 2020/09/18. 43: 2021/09/09
51: F41G G02B
71: SHELTERED WINGS, INC. D/B/A VORTEX OPTICS
72: HAMILTON, David, M.
33: US 31: 62/645,584 32: 2018-03-20
54: VIEWING OPTIC WITH A BASE HAVING A LIGHT MODULE

00: -
The disclosure relates to a viewing optic. In one embodiment, the disclosure relates to a viewing optic having a main body and a base that couples to the main body. In another embodiment, the disclosure relates to a viewing optic having a base with light module for a reticle.

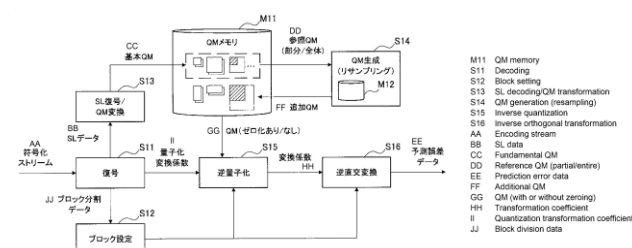


21: 2020/05829. 22: 2020/09/21. 43: 2021/08/24
51: H04N
71: Sony Corporation
72: TSUKUBA, Takeshi
33: JP 31: 2018-062704 32: 2018-03-28

54: IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD

00: -

[Problem] To provide a structure which efficiently generates a quantization matrix or exhibits improved signaling. [Solution] To provide an image processing device equipped with: a decoding unit for decoding scaling list data and generating a first quantization matrix of a first size; and a generation unit for generating a second quantization matrix for a transformation block of a second size to which high-frequency component zeroing is applied, by referring only to a partial matrix of the first quantization matrix generated by the decoding unit; and an inverse quantization unit for inversely quantizing a quantization-transformation coefficient of the transformation block of the second size, by using the second quantization matrix generated by the generation unit.



21: 2020/05920. 22: 2020/09/25. 43: 2021/09/09
51: C22B B22F

71: AURUM INTEGRA INC.

72: HANNAH, Maurice-Michael, LUTTJEHUIZEN, Kevin

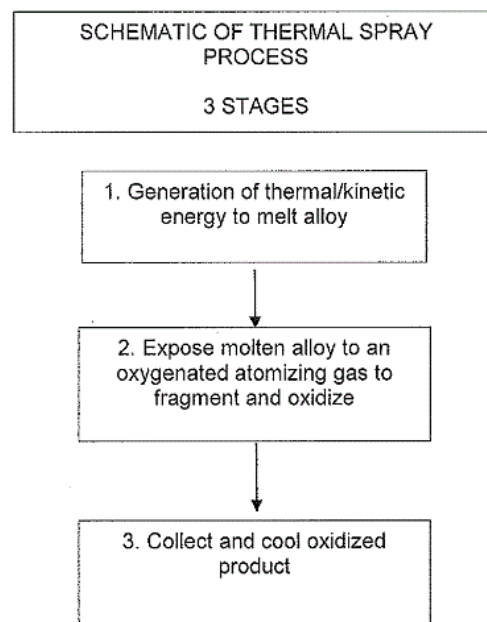
33: US 31: 62/636,878 32: 2018-03-01

54: METHOD FOR SELECTIVELY OXIDIZING METALS OF AN ALLOY

00: -

A method of selectively oxidizing one or more target metals in an alloy comprising target and non-target metals is provided. The method comprises the steps of: i) melting the alloy and exposing the molten alloy to simultaneous fragmentation and oxidation in the presence of an oxygenated atomizing gas under conditions sufficient to yield an oxidation potential that oxidizes the one or more target metals in the alloy and does not oxidize the non-target metal(s); and ii) allowing the treated alloy to solidify. The method is useful to purify a non-target base metal. The method is also useful to produce a metal compound comprising a desired content of one or

more oxidized target metals above the theoretical maximum generally achieved by thermal plasma spray surface coating applications.



21: 2020/05954. 22: 2020/09/28. 43: 2021/11/09

51: A01K

71: Roedolf De Waal

72: DE WAAL, Roedolf

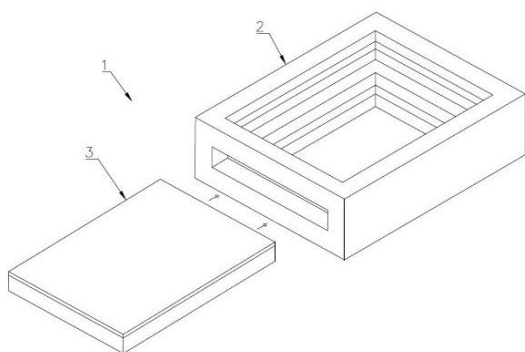
33: ZA 31: 2019/04411 32: 2019-07-05

54: BEE-HIVE REGULATOR

00: -

The present invention provides for a bee-hive comprising a brood chamber, a super chamber and a passageway located between the brood chamber and the super chamber. The brood chamber is dimensioned and configured to allow for the occupation of a bee colony therein. The super chamber is removably attachable to the brood chamber and dimensioned and configured to allow for the production of honeycomb therein. The passageway is dimensioned and configured to allow for the production of a honeycomb therein. The bee-hive further includes a passageway regulator, for regulating the direction of the passage of bees between the attached chambers along the passageway. The regulator has at least one bidirectional opening and at least one, one-way opening, the regulator being adjustable between a first position, wherein the regulator exposes the

bidirectional opening to the passageway, to allow bidirectional passage to bees between the chambers, and a second position, wherein the regulator closes the bidirectional opening while exposing the one-way opening to the passageway, to allow one-way passage to bees from the super chamber to the brood chamber only. The regulator is adjustable between the first and the second position without separation of the chambers, thereby disallowing any bees to escape from the brood chamber during adjustment.

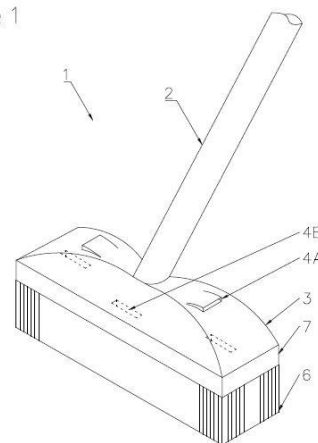


21: 2020/05955. 22: 2020/09/28. 43: 2021/11/09
51: A46B
71: Roedolf De Waal
72: DE WAAL, Roedolf
33: ZA 31: 2019/04414 32: 2019-07-05
54: LIQUID-DISPENSING CLEANING UTENSIL
00: -

The invention relates to a portable liquid-dispensing, cleaning utensil suitable for use in the cleaning of target objects such as vehicles. The utensil comprises a cleaning head, a handle and a dispenser. The cleaning head has at least one passageway for providing washing liquid to a target object to be cleaned by a user. The handle is configured and dimensioned to allow manual manipulation of the cleaning head by the user. The dispenser comprises a reservoir, for storing a predetermined volume of cleaning liquid therein, a filler opening, configured and dimensioned to allow filling of the reservoir by submersing the reservoir at least partially in an independent bulk container of cleaning liquid and to retain a substantial portion of the contained cleaning fluid after filling for a predetermined period once the reservoir is removed from the bulk container, and at least one fixed dispensing port, configured and dimensioned to

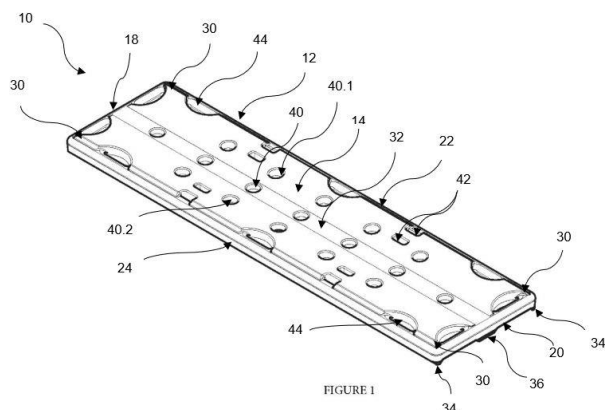
retain a substantial portion of the cleaning fluid in the reservoir while being transferred from the bulk container to the target object and to dispense the cleaning liquid at a predetermined rate from the reservoir to the at least one passageway in the cleaning head during utilization. A dispenser for such utensil is also provided.

Figure 1



21: 2020/06001. 22: 2020/09/29. 43: 2021/07/08
51: A61G
71: CONTACT PLASTICS CC
72: PINKERTON, Anthony Joshua
54: MORTUARY TRAY
00: -

A mortuary tray, on which a cadaver can be transported or stored, comprising: a tray body manufactured from a plastics material defining a head end opposite a foot end and a first lateral side edge opposite a second lateral side edge with a top support surface and bottom surface spaced between said respective head- and foot ends and first- and second lateral side edges, said top support surface being adapted to receive and support an entire backside of the cadaver, while being spaced a distance apart from the bottom surface which is coextensive with said top support surface such that an airtight cavity is defined between said bottom- and top support surfaces, wherein said top support surface is contoured generally to conform to the backside of the cadaver so as to prevent post mortem bruising to cadaver bodies.

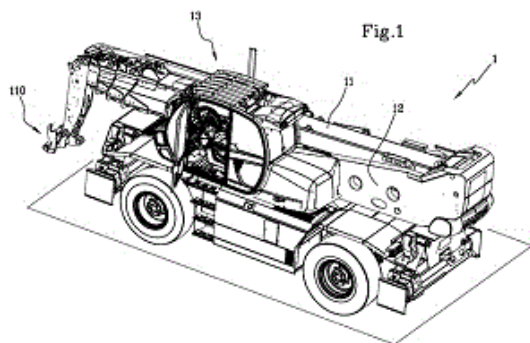


21: 2020/06399. 22: 2020/10/15. 43: 2021/09/09
 51: B60K; E02F; G02B
 71: MANITOU ITALIA S.R.L.
 72: IOTTI, MARCO

33: IT 31: 102019000018836 32: 2019-10-15
54: SYSTEM FOR DISPLAYING INFORMATION

00: -

Described is a self-propelled operating machine (1) equipped with a cabin (13) and a system for displaying information to an operator (O) present in the cabin (13). The display system includes at least one mobile display element (3).



21: 2020/06642. 22: 2020/10/26. 43: 2021/10/27
 51: E04H

71: VAN DEN BOS, Wim
 72: VAN DEN BOS, Wim

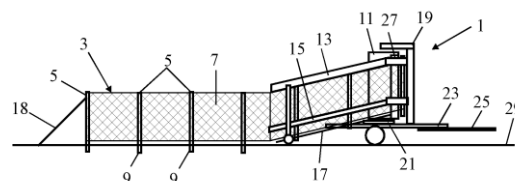
33: NL 31: 2020680 32: 2018-03-29

54: FENCING DEVICE FOR INSTALLING AND/OR REMOVING A FENCE

00: -

A fencing device (1) comprises installing means for driving the posts (5) of the fence into the ground. These posts are provided with a pointed lower end (9) so that they can easily be driven into the ground. The net with the posts attached thereto is wound on

a reel (11). The installing means gradually guide the posts from the reel to the ground, while the lower ends of the posts are driven into the ground. For guiding the posts, the installing means are formed by a guide consisting of a top guide profile (13), two side guide profiles (15) and a bottom guide profile (17). When a temporary fence is erected, the first post is to be driven into the ground manually and supported with a cable or pole. Subsequently, the fence will be unwound from the reel while the trailer is moved on.



21: 2020/06926. 22: 2020/11/06. 43: 2021/09/09

51: B65D; H04Q; G01F; G08C

71: VEEDER-ROOT COMPANY

72: SCHNEIDER, JOHN BRIAN, BERRIO, GASTON

33: US 31: 16/677,097 32: 2019-11-07

54: FUEL DISPENSING ENVIRONMENT HAVING WIRELESS SENSING ARRANGEMENT

00: -

An underground sensing arrangement for use in a fueling environment comprises at least one sensor located under a ground surface and a power supply. The sensor is operative to detect a condition in the fueling environment. A wireless transceiver is in electrical communication with the at least one sensor and the power supply. The wireless transceiver has an environmental housing and electrical circuitry contained within the environmental housing. The electrical circuitry includes control circuitry, radio circuitry, and an antenna. The environmental housing is substantially transparent to electromagnetic frequencies at which the wireless transceiver operates and is potted substantially flush with the ground surface.

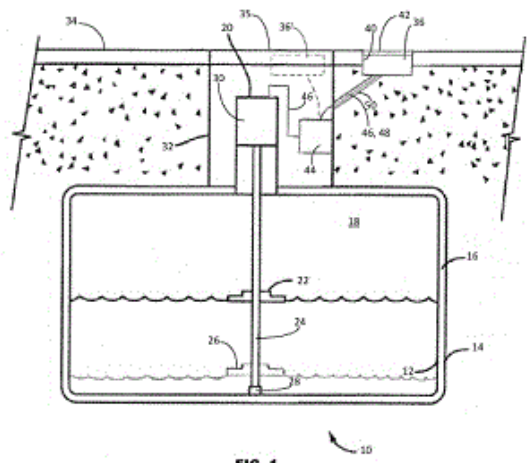


FIG. 1

21: 2020/06952. 22: 2020/11/09. 43: 2021/08/04
51: A45C

71: YOUNG, GRANT KEITH, KRENEK, Halyna

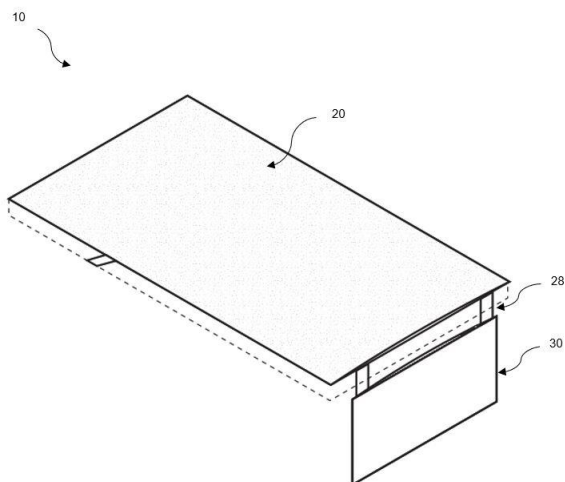
72: YOUNG, GRANT KEITH, KRENEK, Halyna

33: ZA 31: 2019/07414 32: 2019-11-08

54: **MULTIPURPOSE TOWEL BAG**

00: -

A multipurpose towel bag comprising a flexible material body with at least one selectively openable closure formed in said body, said body being transformable between a carryable configuration, wherein goods can be accommodated within a cavity defined between a bottom end, top end, first face panel and second face panel of said body; and a prone configuration, wherein said first face panel is disposed opposite said second face panel, and wherein said first face panel comprises a hydrophilic material whereas said second face panel comprises a hydrophobic material.



21: 2020/07207. 22: 2020/11/19. 43: 2021/07/22
51: B60R; B61D

71: Shanghai University Of Engineering Science

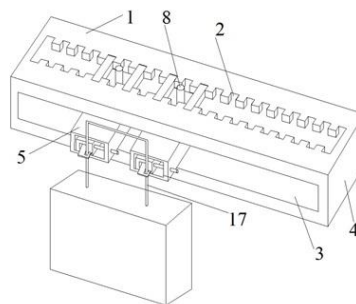
72: DING, Xiaobing, ZHAO, Lu, YANG, Kaihe

33: CN 31: 202010566104.4 32: 2020-06-19

54: **SUITCASE FIXING DEVICE FOR URBAN TRAFFIC AND METHOD OF USING SAME**

00: -

The disclosure discloses a suitcase fixing device for urban traffic and a method of using the same. The device comprises a plurality of vehicle body bearing structures and sliding trolleys, the upper part of each vehicle body bearing structure is provided with an equidistantly distributed vehicle body fixing neck; the front end of each sliding trolley is provided with a U-shaped fixing rod, the upper part of the rear end is bilaterally symmetrically provided with a square clip and a first cylindrical button for controlling the sliding trolley to move from left to right in the vehicle body bearing structure, the lower part of the rear end is provided with a vehicle body chassis connected with a spring, and the right end is provided with a second cylindrical button for controlling the U-shaped fixing rod to extend from front to back.



21: 2020/07244. 22: 2020/11/20. 43: 2021/10/06
51: B02C

71: WB KONSTRUKSIE EN SEUNS (PTY) LTD

72: JANSE VAN RENSBURG, Etienne

33: ZA 31: 2019/05501 32: 2019-08-21

54: **GRANULE MILL**

00: -

This invention relates to the field of the processing and milling of granules. According to a first aspect of the invention, there is provided a granule mill, comprising a main structure; a first blade comprising a leading portion, the first blade disposed within the main structure and operatively fixed relative thereto in an operative position; and a first crushing body, disposed within the main structure and rotatably

fixed thereto, the first crushing body comprising a first pinching arrangement including a first pinching surface, and spaced from the leading portion of the first blade, such that a gap between the leading portion and the pinching arrangement decreases before the pinching surface rotates beyond the leading portion, such that a granule located at least partially within the gap becomes wedged between the leading portion and the pinching surface as the pinching surface rotates towards the leading edge.

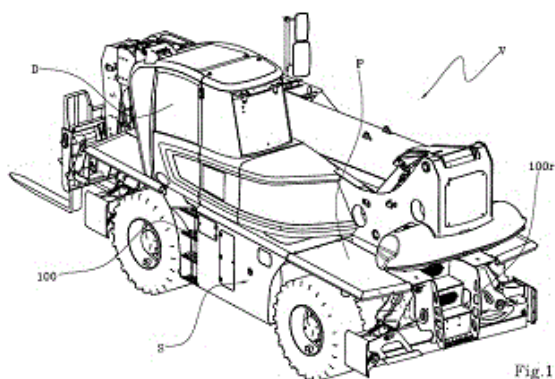
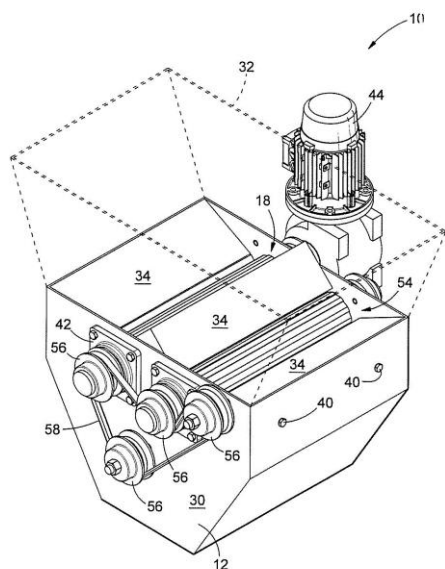


Fig. 1

21: 2020/07497. 22: 2020/12/02. 43: 2021/10/06

51: B01D; B01J; C01B; C01G; B82Y

71: JILIN JIANZHU UNIVERSITY

72: LIN, Yingzi, JI, Li, ZHANG, Dongyan, ZHU, Yang, SONG, Yingji, SHI, Chunyan, LI, Yang

33: CN 31: 202010902716.6 32: 2020-09-01

54: HIERARCHICAL POROUS MATERIAL, AND PREPARATION METHOD AND USE THEREOF
00: -

The disclosure relates to a hierarchical porous material, and a preparation method and use thereof. Including the following steps: subjecting rice hulls successively to a first washing, acid soaking, aqueous ammonia extraction and a first drying to give a rice hull template; mixing the rice hull template with a n-tetrabutyl titanate non-aqueous solution for impregnation, then subjecting a mixture to solid-liquid separation after the impregnation, and subjecting an obtained solid to a second washing to give titanium-containing rice hulls; subjecting the titanium-containing rice hulls successively to a second drying and calcination to give a TiO₂ nanomaterial; and mixing a tungsten source, a bismuth source, nitric acid and water to give a mixed solution with tungsten and bismuth, then mixing the mixed solution with the TiO₂ nanomaterial for dispersion, and subjecting a resulting mixture successively to a first oven-drying, centrifugation and a second oven-drying to give the hierarchical porous material.

21: 2020/07300. 22: 2020/11/24. 43: 2021/09/07

51: B60R

71: MANITOU ITALIA S.R.L.

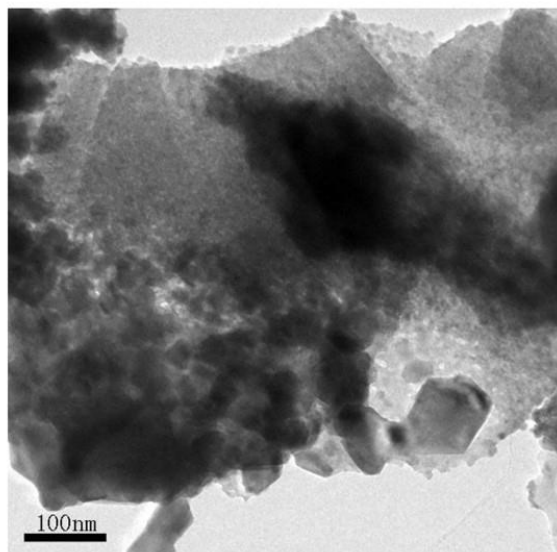
72: IOTTI, MARCO

33: IT 31: 102019000022053 32: 2019-11-25

54: ACCESS LADDER FOR A VEHICLE

00: -

Described is an access ladder for a vehicle, comprising two or more steps (1, 2, 3, 4), vertically superposed on each other, each of which comprises a main surface (10, 20, 30, 40). The projection on a horizontal plane of the main surface of each step (1, 2, 3, 4) protrudes at least partly from the projection on a horizontal plane of the main surface of a step above.



21: 2020/07533. 22: 2020/12/03. 43: 2021/08/05

51: A61B; A61F; A61L

71: EQUINDON LTD.

72: KHOURY, Bashir, MENIS, Michael, KAHANA, Shay

33: US 31: 62/675,178 32: 2018-05-23

54: TENDON CONNECTOR SYSTEM

00: -

A system and method are disclosed of coiled connectors and a securement net, for connecting tissues such as torn, severed, or ruptured tendons. Typically, two connectors are coupled, for example, by being joined together, to connect severed or torn ends of the tendon. With the connectors with tendon ends joined or conjugated together, a net is placed over the connected tendon, e.g. the conjugated ends thereof, to provide additional securement of the tendon ends together and allow for reconnection.

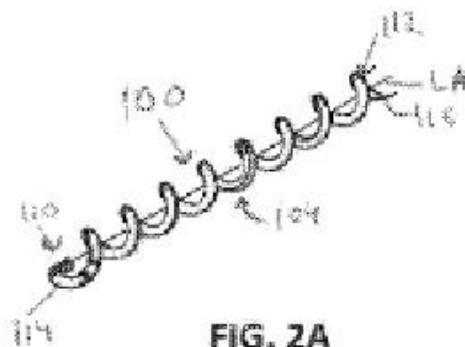


FIG. 2A

21: 2020/07595. 22: 2020/12/07. 43: 2021/08/24

51: A23L; A61K

71: UNIVERSITY OF VENDA

72: Georges-Ivo EKOSSE, Linda de JAGER

33: ZA 31: 2019/05912 32: 2019-09-09

54: COMPACTED GEOPHAGIC CONSUMABLE

00: -

The present invention relates to method of producing a compacted geophagic consumable and a compacted geophagic consumable produced according to the method of the invention.

21: 2020/07700. 22: 2020/12/09. 43: 2021/08/11

51: C02F

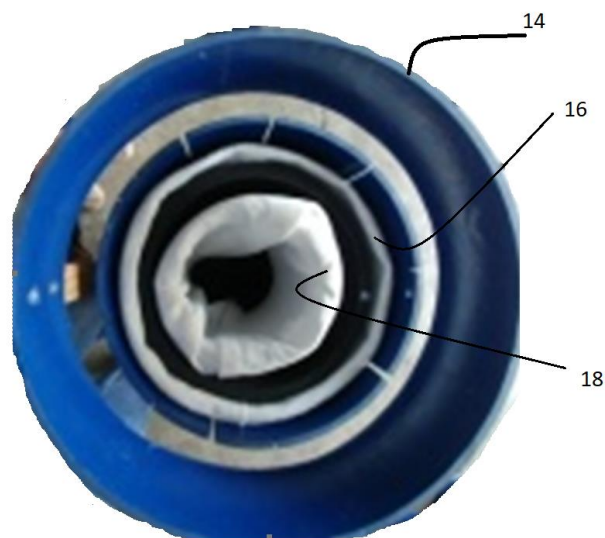
71: Kenneth Melvin Charles

72: Kenneth Melvin Charles

54: WATER TREATMENT APPARATUS

00: -

The invention provides a water treatment apparatus comprising an inlet tank and a storage tank, wherein the storage tank comprises a double filtration system. The inlet tank comprises an integrated constant head float and disinfection system. The apparatus performs water treatment processing including the processes of flocculation, sedimentation, coagulation, filtration and disinfection. The inlet tank is stackable onto the storage tank.



21: 2020/07704. 22: 2020/12/10. 43: 2021/08/12

51: G06F

71: DIAL DIRECT INSURANCE (RF)

72: SCOTT-RODGER, Warwick

33: ZA 31: 2019/08188 32: 2019-12-10

54: METHOD OF MANAGING INSURANCE RISK

00: -

There is disclosed a method of managing insurance risk which includes providing an insured party with an incentive to use a debit order verification system in respect of an insurance agreement between an insurer and the insured party for the provision of an insurance service by the insurer to the insured party, wherein the debit order verification system irrevocably secures the insured party's consent for payment of a predetermined debit order amount from a bank account associated with the insured party as payment for the insurance service.

21: 2020/07807. 22: 2020/12/15. 43: 2021/09/09

51: B65B

71: OFFICINA BOCEDI S.R.L.

72: BOCEDI, STEFANO, BUSATO, FEDERICO

33: IT 31: 102019000024781 32: 2019-12-19

54: MACHINE FOR WRAPPING PALLETS

00: -

Machine for wrapping pallets (P) by means of a stretchable film cap, comprising: a main frame (1) defining a working area (A); a traction device (2), for lowering the film cap; a feeder device (3) for feeding the film; a film cutting and welding device (4). The feeder device (3) is movable along the frame (1) between an operating position, located above the

main frame (1), and service position, located at a given height above ground, on one side of the frame (1). The feeder device (3) comprises two diverters (31), each structured to grip two adjacent corners (C) on opposite sides of the film, and to separate same. The diverters (31) are movable on an area outside of the frame (1) along guides (11, 12) which maintain the feeder device (3) outside the frame (1) and working area (A), during the displacement between the working and service positions.

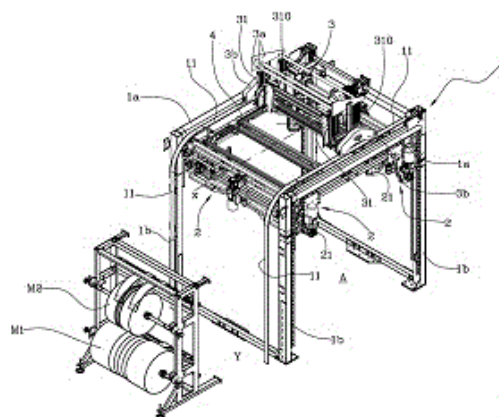


Fig.1

21: 2020/07919. 22: 2020/12/18. 43: 2021/09/07

51: G05B, G06Q, H04W, H04M

71: PAYJOY INC.

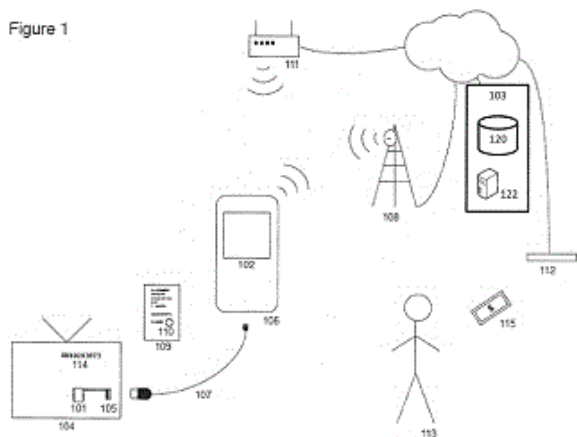
72: RICKET, DOUGLAS JAMES, MIRCHANDANI, JAIDEEP

54: METHOD AND SYSTEM FOR REMOTE MANAGEMENT OF ACCESS TO APPLIANCES

00: -

Embodiments described herein include methods and systems for remotely managing appliances, including enabling communication between a user of the appliance and third party systems. The third party systems can include any entity that has a relationship with the user of the appliance, such as a payment infrastructure handling incremental payments for the appliance, and managing access to the appliance accordingly. In some embodiments, the appliance being controlled is a mobile phone that also includes third party operating system software. Various methods for preventing alteration or replacement of the third party operating system are also described.

Figure 1



21: 2020/07921. 22: 2020/12/18. 43: 2021/09/07
 51: B65D
 71: SOREMARTEC S.A.
 72: CANAVESIO, DIEGO, RIVA DOGLIAT, ROBERTA
 33: EP 31: 19217891.1 32: 2019-12-19
54: PACKAGE OF A FOOD PRODUCT PROVIDED WITH A SCOOPING TOOL

00: -

Package of a food product comprising a container (2) and a sealing foil (6) connected to the mouth edge of the container and a tool (16) for picking the product, fixed to the surface of the sealing foil, wherein the sealing foil (6) has a surface of thermoplastic plastic material, the tool (16) is a flattened body of cellulosic or wood-cellulosic material, shaped like a spatula, and is fixed to said surface of the sealing foil by ultrasound welding, in the absence of an added adhesive material, along a section of a creasing line (40) generated on the surface of the tool by the sonotrode during the welding process.

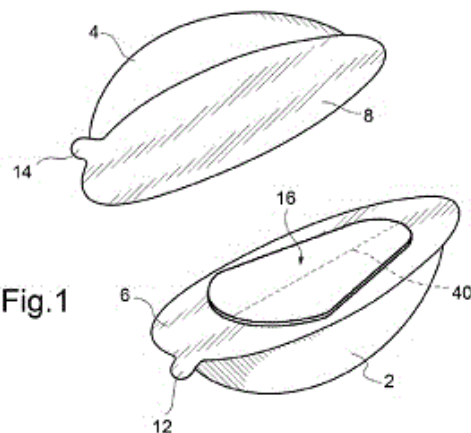


Fig.1

21: 2020/07966. 22: 2020/12/21. 43: 2021/08/12
 51: B41B; G09F; H04W
 71: Warren Bedil
 72: Warren Bedil
54: A METHOD OF ADVERTISING USING SKILL-BASED AV DISPLAY GAMING

00: -

A method of advertising using an AV display, wherein the AV display having suitably enabling software and hardware is controlled by a software app installed on the MCD of the user comprising the steps of: using a suitably enabled and configured software app to activate a skill-based game utilising the advertisement of a brand as the basis of the game, wherein identification of the brand results in the participant being eligible to win a prize. Brand identification occurs by the participant following prompts generated by the app to input the brand and inputting the brand identified. The software app conditioning the awarding of a prize on the participant viewing an advertisement. The advertisement content displayed is related to the brand upon which the initial skill-based brand identification is based.

21: 2020/07969. 22: 2020/12/21. 43: 2021/09/06
 51: A47J
 71: Samson Bright Industrial Company Limited
 72: TANG, Yu Wing
 33: US 31: 16/733,292 32: 2020-01-03
54: GRINDER

00: -

A grinder has first and second body parts rotatable to each other. The first and second body parts engage the outer and inner burrs, respectively. A

supporting flange in the second body part forms a seat to receive the outer burr. The outer burr is pressed toward the supporting flange to localize the outer burr against undesirable forces generated during grinding. A ring-shaped plate is sandwiched between the supporting flange and the outer burr. The outer burr presses on a bearing surface of the plate. The bearing surface is more resistant to abrasion than the supporting flange, advantageously reducing wear debris generation due to abrasion by the outer burr. Furthermore, a shaft engaging the inner burr is shaped as a triangular column for more effectively transmitting a received torque to the inner burr, allowing a plastic shaft to be used so as to reduce the manufacturing cost.

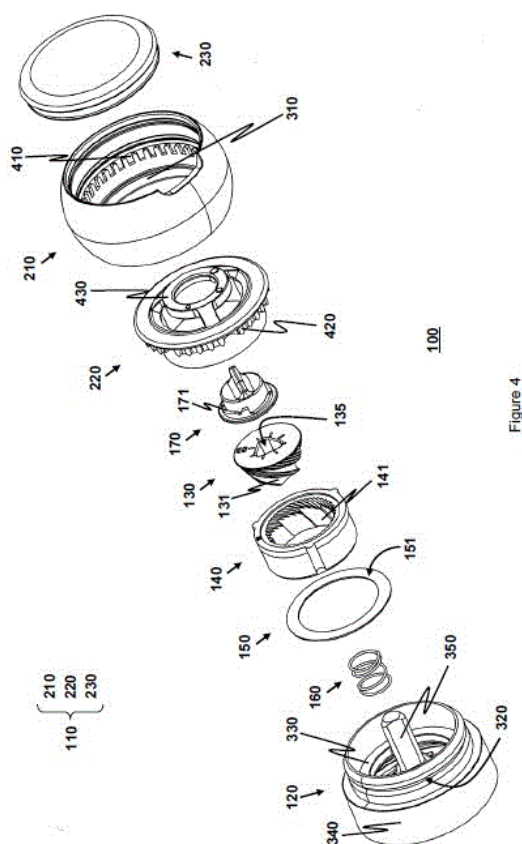


Figure 4

21: 2020/07970. 22: 2020/12/21. 43: 2021/09/02
51: G06N; G06Q
71: Zensar Technologies Limited
72: KISHORE, Sandeep, KULKARNI, Sumant, KUMAR, Nitesh, S M, Hari Eswar, CHAURASIA, Aishwarya, SAWHNEY, Richa, SOMANI, Shree Krishna

33: IN 31: 202021000221 32: 2020-01-03
54: METHOD AND SYSTEM FOR ASSIGNING AND TRACKING PROGRESS OF ACTION ITEMS IN A REVIEW MEETING

00: -

A method and system for assigning and tracking progress of action items in a review meeting comprises extracting action items from a meeting document during the review meeting once the review meeting is initiated between the reviewee and the reviewer. The method comprises identifying reviewee content and reviewer content by using feature extraction technique on audio snippets spoken by the reviewee and the reviewer during the review meeting. The method further comprises determining whether the review meeting is a first meeting or a subsequent meeting, between the reviewee and the reviewer, for discussing the action items extracted from the meeting document. Based on the determination, action items for reviewee and reviewer are assigned and the status of the previously assigned action items of reviewee and previously assigned action items of reviewer are tracked.

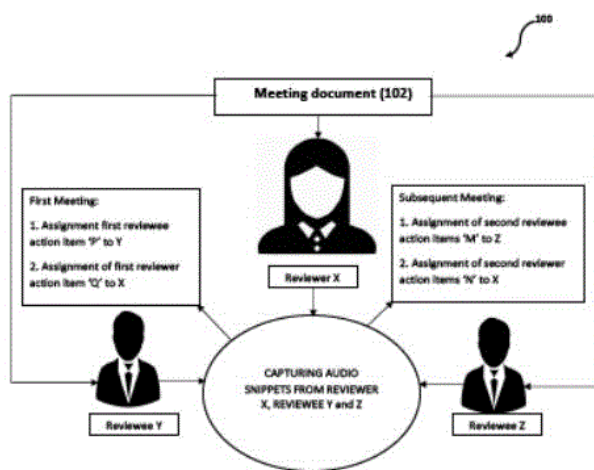


Figure 1

21: 2021/00016. 22: 2021/01/04. 43: 2021/08/26
51: B25B
71: FASSIO, Enrico
72: FASSIO, Enrico
33: IT 31: 102018000006565 32: 2018-06-21
54: FASTENING TOOL INSTANT TORQUE METERING ACCESSORY
00: -

The invention pertains to the field of manual fastening tools. The invention is an accessory to most fastening tools, of any length and size: when coupled to the handle of the fastening tool of choice by means of a quick adaptive coupling system, the device's electronics will show on a digital display the instant torque resulting from the sensed applied force and its measured specific arm. The display's touch screen allows entry of Calibration data, target torque values, force arm length alternate entry, and selection of measuring unit.

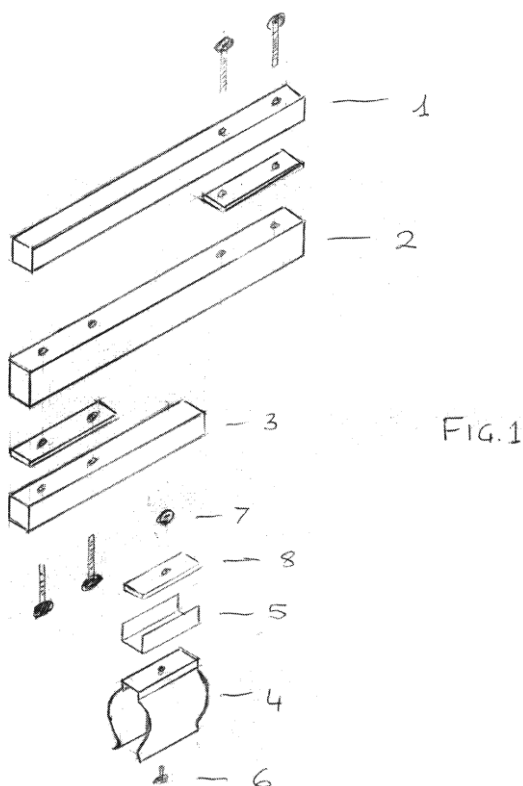
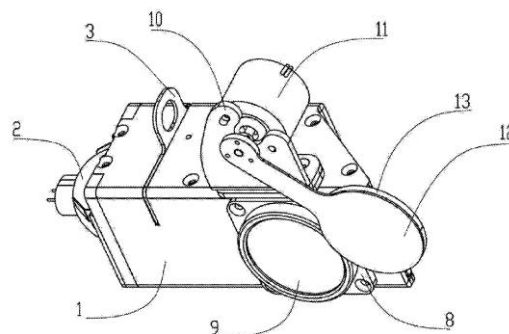


FIG.1

inefficient and cannot be used in large-scale fruit packaging production. The device comprises a housing (1), a halogen lamp (2), a diaphragm (3), a plano-convex lens support (4), a first plano-convex lens (5), a reflector lens fixing plate (6), a reflector (7), a plano-convex lens fixing plate (8), and a second plano-convex lens (9). The housing (1) is a sealed and non-transparent housing. The halogen lamp (2) is fixedly disposed at a left end of the housing (1), and extends into an inner portion of the housing (1). A pluggable diaphragm (3) is disposed at the right side of the halogen lamp (2), and is used to guide a lighting direction of the halogen lamp (2). The diaphragm (3) passes through the inner portion of the housing (1). The plano-convex lens support (4) is fixedly disposed inside the housing (1) at the right side of the diaphragm (3). The device improves the efficiency of inspecting the quality inside fruits, while also avoiding changes in inspection precision caused by extended manual operation of inspection instruments, thereby achieving the goal of inspecting the quality inside fruits in real time during mass production of fruits, and conserving labor and materials.



21: 2021/00022. 22: 2021/01/04. 43: 2021/09/08

51: G01N

71: JIANGXI REEMOON TECHNOLOGY HOLDINGS CO., LTD.

72: ZHU, Yi, ZHU, Er

33: CN 31: 201810958224.1 32: 2018-08-22

54: LIGHT CONDENSING DEVICE FOR INSPECTING QUALITY INSIDE FRUITS AND VEGETABLES, SYSTEM COMPRISING SAME, AND USE METHOD THEREOF

00: -

A light condensing device for inspecting the quality inside fruits and vegetables, resolving the issue in which manually holding fruits for inspection is

21: 2021/00051. 22: 2021/01/05. 43: 2021/08/25

51: F16J

71: THE TRUSTEES FOR THE TIME BEING OF THE BEST TRUST

72: VAN DER MERWE, Jacques

54: FLANGE GASKET WITH VARIABLE THICKNESS

00: -

A flange gasket is provided. The gasket has a body with a central aperture. The gasket body has a substantially planar gasket face on each side of the body. The gasket body has a central cavity arranged to receive a filling material therein. The gasket body is shaped and configured such that the filling of the

central with a filling material causes the gasket body to retain its thickness or increase in thickness with at least one of the gasket faces retaining a substantially planar shape.

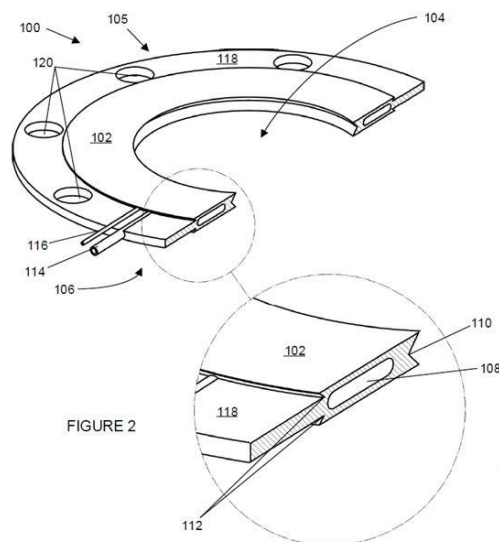


FIGURE 2

21: 2021/00066. 22: 2021/01/05. 43: 2021/08/25
51: H04N
71: Smule, Inc.
72: HOLMBERG, Anton, HERSH, Benjamin, YANG, Jeannie, WOO, Yuning, LIANG, Wang, COOK, Perry R., SMITH, Jeffrey C.
33: US 31: 62/685,727 32: 2018-06-15
54: AUDIOVISUAL LIVESTREAM SYSTEM AND METHOD WITH LATENCY MANAGEMENT AND SOCIAL MEDIA-TYPE USER INTERFACE MECHANICS

00: -
Techniques have been developed to facilitate the livestreaming of group audiovisual performances. Audiovisual performances including vocal music are captured and coordinated with performances of other users in ways that can create compelling user and listener experiences. For example, in some cases or embodiments, duets with a host performer may be supported in a singwith- the-artist style audiovisual livestream in which aspiring vocalists request or queue particular songs for a live radio show entertainment format. The developed techniques provide a communications latency-tolerant mechanism for synchronizing vocal performances captured at geographically-separated devices (e.g., at globally-distributed, but network-connected mobile phones or tablets or at audiovisual

capture devices geographically separated from a live studio).

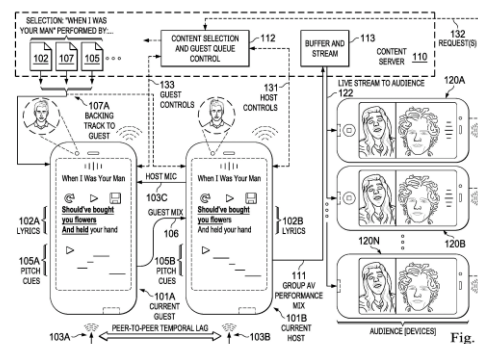
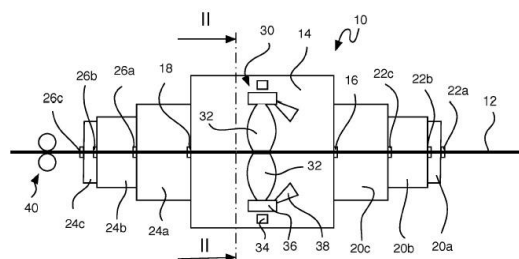


Fig. 1

21: 2021/00109. 22: 2021/01/07. 43: 2021/10/27
51: C23C
71: OFFICINE MACCAFERRI S.P.A.
72: Francesco FERRAILOLO
33: IT 31: 102018000006582 32: 2018-06-22
54: METAL WIRE WITH ANTI-CORROSIVE COATING AND INSTALLATION AND METHOD FOR COATING A METAL WIRE
00: -

An installation for continuously coating wires by means of plasma deposition comprises at least one plasma deposition chamber (14) having a pressure-tight inlet (16) and a pressure-tight outlet (18) which are capable of maintaining a reduced pressure inside the chamber (14) when they are passed through by a wire (12) which travels through the chamber (14). At least one generator (30) of plasma rays (32) is provided in the chamber (14) for the deposition of a target material (34) on the external surface of the wire (12) in a portion thereof which is between the pressure-tight inlet (16) and the pressure-tight outlet (18). A transport system (40) is provided in the installation in order to progressively draw the wire (12) through the plasma deposition chamber (14).



21: 2021/00119. 22: 2021/01/07. 43: 2021/08/27

51: A01G

71: Blue Skies 1989 B.V.

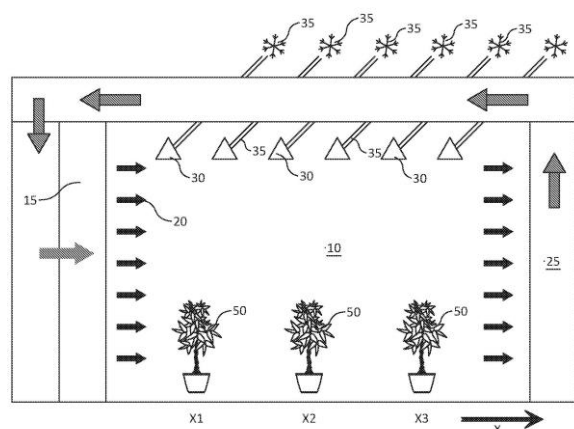
72: MEEUWS, Gerardus Johannes Jozef Maria,
MEEUWS-ABEN, Cornelia Henrica Petronella Maria,
KREUGER, Marc

33: NL 31: 2021101 32: 2018-06-11

54: METHOD AND DEVICE FOR CULTIVATION OF CROPS

00: -

In a device a crop is cultivated in an at least substantially daylight-free environment, wherein the crop is exposed in an at least substantially fully conditioned cultivation space (10) to actinic artificial light from an array of artificial light sources (30) present in the cultivation space. During a cultivation cycle a power output of the artificial light sources (30) is adapted to an energy absorption of a part of the crop (50) illuminated thereby such that the crop close to each of the array of artificial light sources is subject to an at least substantially constant and at least substantially mutually equal vapour deficit.



21: 2021/00227. 22: 2021/01/13. 43: 2021/08/26

51: C12Q

71: EVONIK OPERATIONS GMBH

72: IGWE, Emeka, Ignatius, BÖHL, Florian,
KAPPEL, Andreas, THIEMANN, Frank, WEISSMAN,
Michaela, WICKER, David, L., MARTIN, Ken,
MIDDLEBROOKS, Casey, TILLEY, Sarah, SMITH,
Janet

33: EP 31: 18179891.9 32: 2018-06-26

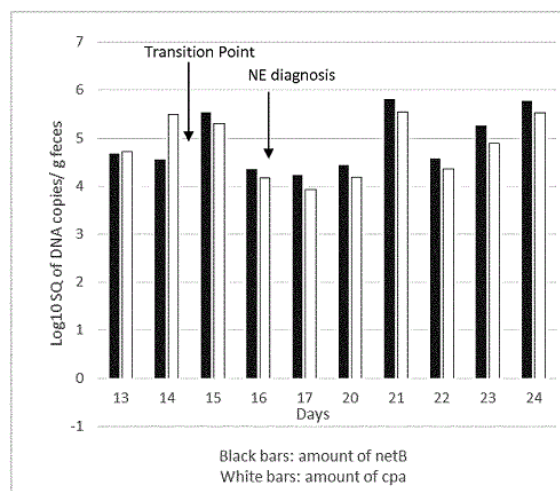
33: US 31: 62/685,443 32: 2018-06-15

54: METHOD FOR EARLY DETECTION OF A NECROTIC ENTERITIS OUTBREAK IN AN AVIAN POPULATION

00: -

The present invention relates to an in vitro method for early detection of a necrotic enteritis outbreak in

an avian population, the method comprising: a) collecting fecal sample material deriving from the avian population at consecutive points in time; and b) determining the ratio of the amounts of the marker genes netB to cpa, contained in the sample material obtained in step a); wherein a reversion of the ratio of the amounts of netB to cpa over time is an early indication of a necrotic enteritis outbreak.



21: 2021/00229. 22: 2021/01/13. 43: 2021/08/26

51: A01N C02F E21B C09K

71: EVONIK OPERATIONS GMBH

72: MITTIGA, Ricky, AN, Weidong, ROVISON,
John, PISANOVA, Elena

33: US 31: 62/686,924 32: 2018-06-19

54: MICELLAR DELIVERY METHOD

00: -

Provided herein are compositions and methods for treatment of microbially contaminated water and microbially contaminated surfaces. The compositions can include a micellar system comprising an equilibrium peroxydicarboxylic acid and a surfactant.

21: 2021/00263. 22: 2021/01/14. 43: 2021/08/25

51: A61K

71: CELLIX BIO PRIVATE LIMITED

72: KANDULA, Mahesh

33: IN 31: 201841029367 32: 2018-08-03

54: COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER

00: -

The compositions and compounds of formula I and formula II which includes nucleic acid synthesis inhibitor conjugates or its polymorphs, enantiomers,

stereoisomers, solvates, and hydrates thereof. These conjugates may be formulated as pharmaceutical compositions. The pharmaceutical compositions may be formulated for oral administration, intravenous, solution, syrup, sachet, transdermal administration, or injection. Such compositions may be used to treatment of cancer or its associated complications.

21: 2021/00277. 22: 2021/01/14. 43: 2021/08/25

51: A61K; A61P; C07D

71: Galapagos NV

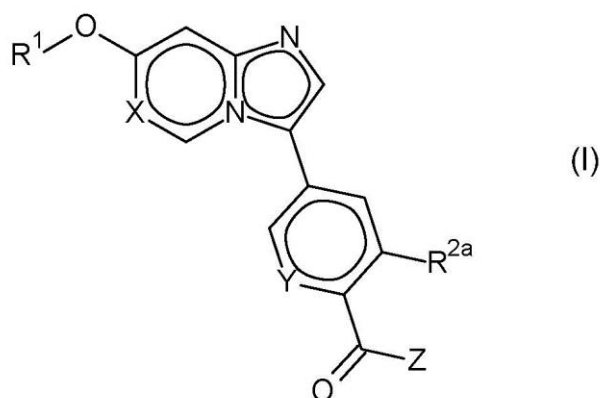
72: DESROY, Nicolas, JONCOUR, Agnès Marie, PEIXOTO, Christophe, TEMAL-LAIB, Taoues, TIRERA, Aymnata, BUCHER, Denis, AMANTINI, David, DE VOS, Steve Irma Joel, BRYSS, Reginald Christophe Xavier

33: GB 31: 1809836.8 32: 2018-06-15

54: NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASES

00: -

The present invention discloses compounds according to Formula I: wherein R^1 , R^{2a} , X, Y, and Z are as defined herein. The present invention relates to compounds, methods for their production, pharmaceutical compositions comprising the same, and methods of treatment using the same, for the prophylaxis and/or treatment of inflammatory diseases, autoinflammatory diseases, autoimmune diseases, proliferative diseases, fibrotic diseases, transplantation rejection, diseases involving impairment of cartilage turnover, congenital cartilage malformation, diseases involving impairment of bone turnover, diseases associated with hypersecretion of IL-6, diseases associated with hypersecretion of TNF α , interferons, IL-12 and/or IL-23, respiratory diseases, endocrine and/or metabolic diseases, cardiovascular diseases, dermatological diseases, and/or abnormal angiogenesis associated diseases by administering the compound of the invention.



21: 2021/00343. 22: 2021/01/18. 43: 2021/10/27

51: B23K

71: ARCELORMITTAL

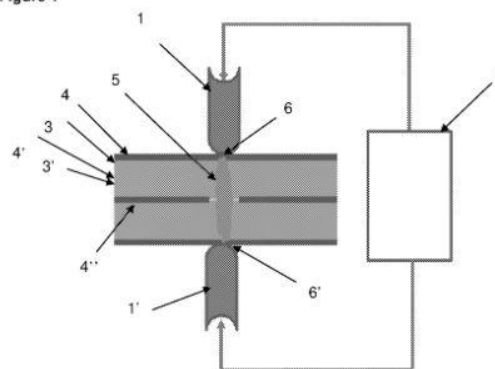
72: Tiago MACHADO AMORIM, Stéphanie MICHAUT, Jean-Marie HELMER, Maxime BROSSARD

54: A WELDING METHOD FOR THE MANUFACTURE OF AN ASSEMBLY OF AT LEAST 2 METALLIC SUBSTRATES

00: -

The present invention relates to a method for the manufacture of an assembly of at least two metallic substrates spot welded together through at least one spot welded joint, such method comprising two steps, the assembly obtainable according to this method and the use of this assembly for the manufacture of automotive vehicle.

Figure 1



21: 2021/00344. 22: 2021/01/18. 43: 2021/08/26

51: H01M

71: 3D NANO BATTERIES, LLC

72: HASHIM, Daniel, Paul, FARAGUNA, Christopher, M.

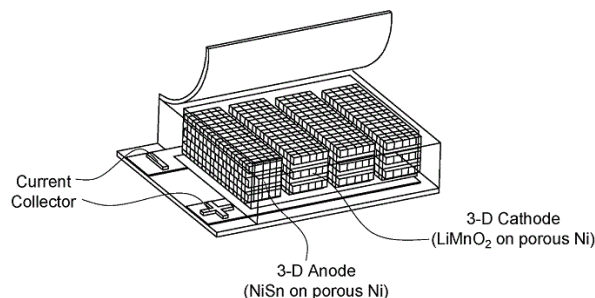
33: US 31: 62/686,420 32: 2018-06-18

54: ELECTRODES COMPRISING THREE-DIMENSIONAL HETEROATOM-DOPED CARBON NANOTUBE MACRO MATERIALS

00: -

Electrodes, including anodes and/or cathodes, comprising a three-dimensional boron-doped carbon nanotube macromaterial are disclosed. The anode and/or cathode can be prepared using chemical vapor deposition, using a metal foil, such as a copper foil, as a substrate, and in other embodiments, or can be adhered to a metal foil following preparation. The anode and/or cathode are porous, and a portion of the pores can be filled with appropriate anode or cathode active materials. Preferred active materials for the anode comprise lithium metal or lithium-containing alloys. Preferred active materials for the cathode comprise lithium

salts, such as lithium oxide or lithium sulfide, Batteries, capacitors and supercapacitors comprising these anodes and/or cathodes are also disclosed.



21: 2021/00365. 22: 2021/01/18. 43: 2021/08/25
51: D06F

71: GORDON, Fraser Paul

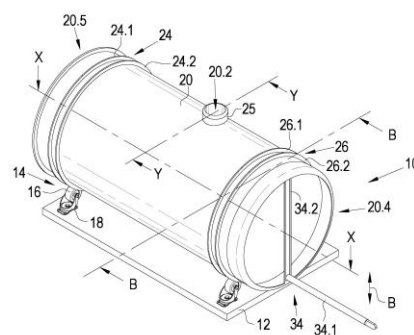
72: GORDON, Fraser Paul

33: ZA 31: 2018/04262 32: 2018-06-26

54: WASHING APPARATUS

00: -

This invention relates to a washing apparatus for washing articles such as clothes. The washing apparatus comprises a washer receptacle defining an internal loading zone accessible via at least one closable opening for receiving articles, wherein the washer receptacle defines at least one outer cylindrical portion which comprises at least one guide track arrangement for rollable engagement with one or more engagement formations of a base; at least one fillable flywheel device arranged with the washer receptacle, wherein the at least one fillable flywheel device is fillable with a fillable material; and a handle arrangement attachable to the washer receptacle, wherein the handle arrangement is operable to bring about rotation of the washer receptacle about at least one of its axes relative to the one or more engagement formations.



21: 2021/00380. 22: 2021/01/19. 43: 2021/08/25
51: G01N

71: STELLENBOSCH UNIVERSITY

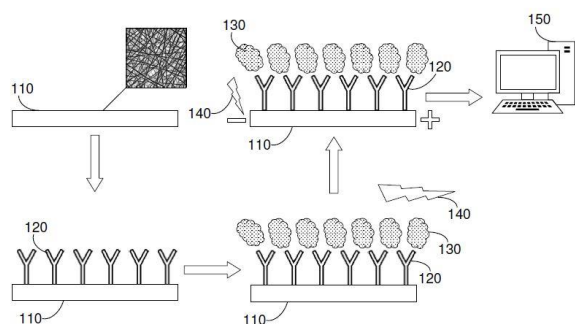
72: PEROLD, Willem Jacobus, LOOS, Benjamin, HOFMEYR, Jan Hendrik Servaas, DU TOIT, Andre

33: ZA 31: 2018/04374 32: 2018-06-29

54: METHOD AND DEVICE FOR DETERMINING AUTOPHAGIC FLUX

00: -

A method, device and system for determining autophagic flux are claimed. The levels of proteins which change with increased or decreased autophagy are determined in a sample. The change in the level of each protein is quantified in order to obtain the autophagic flux. This can be compared to a sample flux range associated with autophagy dysfunction or ageing patterns. Diseases or conditions which may be diagnosed include neurodegenerative conditions such as Alzheimer's disease and dementia, cancer, heart conditions, immune conditions or aging-related conditions. The device for determining autophagic flux comprises a housing, receiving zones configured for receiving a substrate and a biological sample, and a set of electrodes for each receiving zone. The device is connectable to circuitry that determines an electrical property of each substrate and uses this to determine the autophagic flux.



21: 2021/00385. 22: 2021/01/19. 43: 2021/09/13

51: H04W H04B

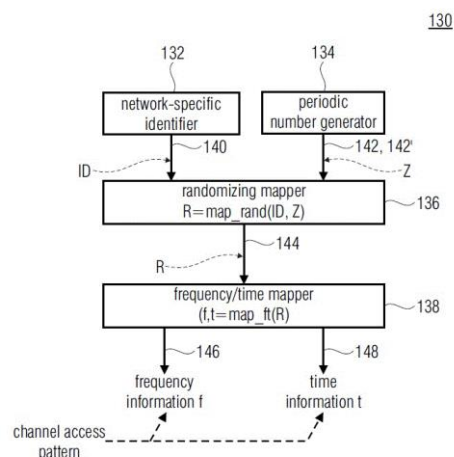
71: FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., FRIEDRICH-ALEXANDER-UNIVERSITÄT ERLANGEN-NÜRNBERG
72: OBERNOSTERER, Frank, MEYER, Raimund, KILIAN, Gerd, BERNHARD, Josef, WECHSLER, Johannes, KNEIßL, Jakob, ERETH, Stefan, ROBERT, Jörg

33: DE 31: 10 2018 210 245.7 32: 2018-06-22

54: GENERATING CHANNEL ACCESS PATTERNS FOR NETWORKS THAT ARE NOT COORDINATED WITH ONE ANOTHER

00: -

Embodiments relate to a controller for a participant of a communications system, wherein the communications system wirelessly communicates in a frequency band which is used by a plurality of communications systems for communication, wherein the controller is designed to determine a channel access pattern, wherein the channel access pattern specifies a frequency- and/or time-hop-based allocation of the frequency band which can be used for the communication of the communications system, wherein the controller is designed to determine the channel access pattern according to individual information of the communications system and according to a status of a number sequence generator for generating a number sequence or a number of a number sequence.



21: 2021/00396. 22: 2021/01/19. 43: 2021/08/25

51: B65B

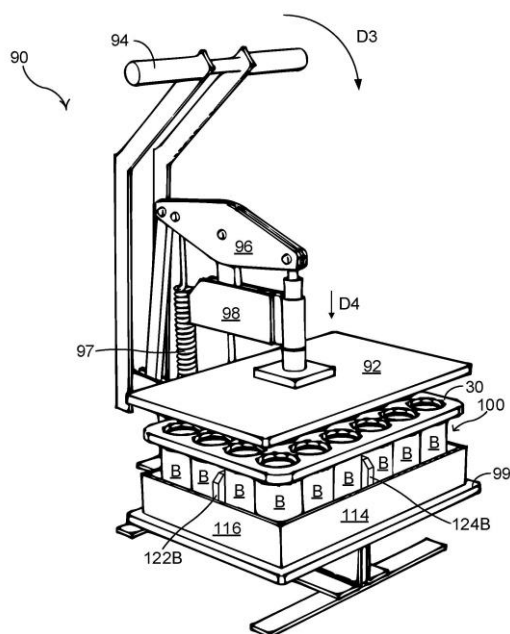
71: WestRock Packaging Systems, LLC
72: ZACHERLE, Matthew E., KOOC, Linh L., CHESNET, Lauren N.

33: US 31: 62/687,386 32: 2018-06-20

54: APPARATUS AND METHOD FOR APPLYING A PLURALITY OF TOP-ENGAGING CARRIERS TO GROUPS OF ARTICLES

00: -

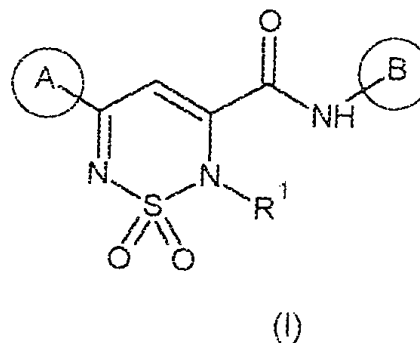
Aspects of the disclosure relate to an apparatus and method of packaging one or more articles. The device being adapted to applying a plurality of top-engaging carriers to a plurality of groups of articles simultaneously. The device comprises a metering base (100) for facilitating arranging a plurality of articles (B) into groups of articles and an applicator (30) for pressing top-engaging carriers onto groups of articles. The metering base (100) comprises a spacer structure (122B, 124B) for maintaining a predetermined space between each group of articles and at least a next adjacent group of articles; and a first aligning feature. The applicator comprises an applicator plate (30) having a plurality of receiving cavities each for receiving a top of an article (B) and a second aligning feature for engaging the first aligning feature for sliding movement with each other.



21: 2021/00474. 22: 2021/01/22. 43: 2021/08/19
 51: A61K; C07D; A61P
 71: RICHTER GEDEON NYRT.
 72: LEDNECZKI, István, ÉLES, János, TAPOLCSÁNYI, Pál, JABLONKAI, Erszébet, GÁBOR, Eszter, VISEGRÁDI, András, NÉMETHY, Zsolt, LÉVAY, György István, PETRO, József Levente, SELÉNYI, György
 33: HU 31: P1800249 32: 2018-07-13

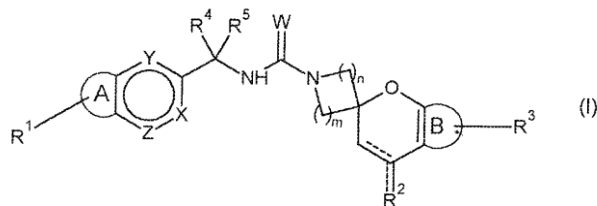
54: THIADIAZINE DERIVATIVES

00: -
 The invention relates to thiadiazine derivatives, or pharmaceutically acceptable salts, biologically active metabolites, pro-drugs, racemates, enantiomers, diastereomers, solvates and hydrates thereof, as well as to pharmaceutical compositions containing them and to their use as modulators of $\alpha 7$ nicotinic acetylcholine receptor activity in a mammalian subject. Formula (I):



21: 2021/00475. 22: 2021/01/22. 43: 2021/08/19
 51: A61K; C07D; A61P
 71: RICHTER GEDEON NYRT.
 72: ÉLES, János, DUDÁSNÉ MOLNÁR, Katalin, LEDNECZKI, István, TAPOLCSÁNYI, Pál, HORVÁTH, Anita, NÉMETHY, Zsolt, LÉVAY, György István
 33: HU 31: P1800248 32: 2018-07-13
54: SPIROCHROMANE DERIVATIVES
 00: -

The invention relates to spirochromane derivatives, or pharmaceutically acceptable salts, biologically active metabolites, pro-drugs, racemates, enantiomers, diastereomers, solvates and hydrates thereof, as well as to pharmaceutical compositions containing them and to their use as modulators of $\alpha 7$ nicotinic acetylcholine receptor activity in a mammalian subject.



21: 2021/00623. 22: 2021/01/28. 43: 2021/08/18
 51: E21C; E21D
 71: JOY GLOBAL UNDERGROUND MINING LLC
 72: DAHER, Nagy, REEVES, Stuart, FRANSEN, Simon, BAGNALL, Eddy, CLAYTON, Andrew, Michael, BALOCH, Christian, BOYD, Richard
 33: US 31: 62/703,360 32: 2018-07-25
54: ROCK CUTTING ASSEMBLY
 00: -

A cutting assembly is provided for a rock excavation machine having a frame. The cutting assembly includes a boom, a cutting device, and a plurality of

fluid actuators. The boom includes a base portion and a movable portion. The base portion is configured to be supported by the frame, and the movable portion is supported for sliding movement relative to the base portion in a direction parallel to a longitudinal axis of the base portion. The boom includes a wrist portion pivotably coupled to the movable portion at a pivot joint. The cutting device is supported on a distal end of the wrist portion. The fluid actuators are coupled between the base portion and the wrist portion. The fluid actuators are operable to move the movable portion and the wrist portion parallel to the longitudinal axis, and are also operable to bias the wrist portion against cutting loads exerted on the cutting device.

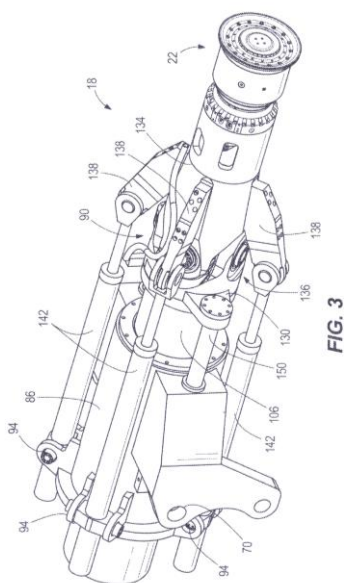


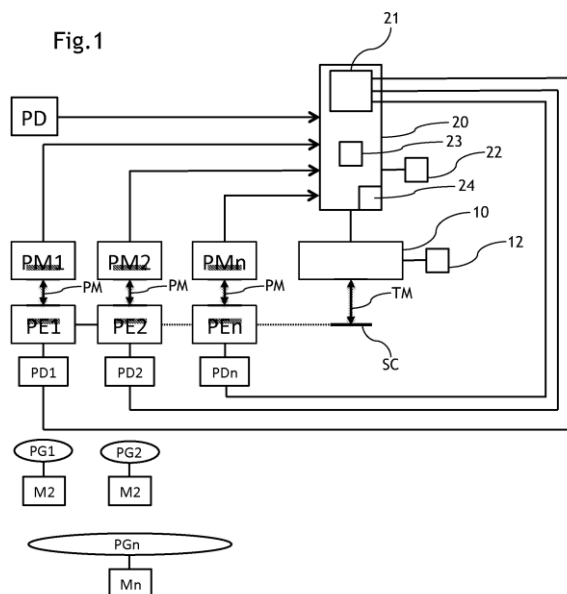
FIG. 3

21: 2021/00657. 22: 2021/01/29. 43: 2021/08/18
 51: H02S
 71: WAVELABS SOLAR METROLOGY SYSTEMS
 GMBH
 72: SCHERFF, Maximilian
 33: DE 31: 10 2018 119 171.5 32: 2018-08-07
**54: OPTOELECTRONIC SOLAR CELL TEST
 SYSTEM FOR AN IN-LINE SOLAR CELL
 PRODUCTION PLANT, AND METHOD FOR
 OPTIMISING THE IN-LINE PRODUCTION OF
 SOLAR CELLS USING AN OPTOELECTRONIC
 SOLAR CELL TEST SYSTEM OF THIS TYPE**
 00: -

The invention relates to an optoelectronic solar cell test system for an in-line solar cell production plant, the solar cell test system having: an exposure- and

measuring device (10) for in-line measurement of solar cells and a control- and evaluation unit (20) coupled to the exposure- and measuring device (10), the exposure- and measuring device (10) being designed and configured to carry out one or more test measurements (TM) for generating test measurement data, on a solar cell (SC). According to the invention, the control- and evaluation unit (20) is configured and designed to carry out statistical analyses (200), using test measurement data from identical test measurements (TM) undertaken by the exposure- and measuring device (10) on a plurality of solar cells (SC) produced in-line, and to correlate statistical analyses (200) of test measurement data from different test measurements (TM) with one another, and/or to correlate statistical analyses of test measurement data (TMstat) with statistical analyses of production measurement data (PMstat), and/or to correlate statistical analyses of test measurement data (TMstat) and/or statistical analyses of production measurement data (PMstat) with production input data (PED), in order to generate correlation results (201), and to derive, from the correlation results (201), on the basis of derivation rules (202), at least one action recommendation (203) and/or at least one action instruction (204) which are assigned to at least one personnel group (PG1, PG2, PGn) responsible for the in-line production of the solar cells, wherein the control- and evaluation unit (20) has a communication device (21) which transmits the at least one action recommendation (203) and/or the at least one action instruction (204) to the at least one assigned personnel group (PG1, PG2, PGn). The invention also relates to a method for optimising the production of solar cells by means of an in-line solar cell production plant, using a solar cell test system of this type.

Fig. 1



21: 2021/00736. 22: 2021/02/03. 43: 2021/09/08

51: E04D

71: AVAX SA 407 CC

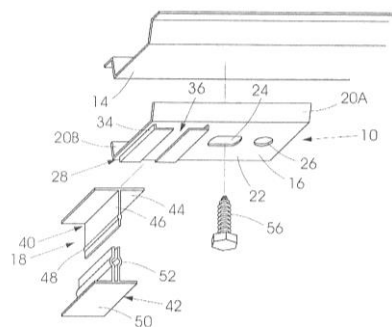
72: COETZEE, Quentin

33: ZA 31: 2020/01161 32: 2020-02-25

54: A MOUNTING DEVICE FOR ASSEMBLY OF A CEILING BELOW A ROOF FRAME

00: -

The invention provides a mounting device for assembly of a ceiling below a roof frame, which device includes a bracket which is adapted to engage a truss member and which has an attachment formation which presents from a downward facing surface of the bracket, and a support member which is adapted, at a first end, to engage the attachment formation and which has, at an opposed second end, a support ledge on which a ceiling board is supported in assembly of the ceiling.



21: 2021/00756. 22: 2021/02/03. 43: 2021/09/13

51: C12N A61K A61P

71: ALTEOGEN INC.

72: PARK, Soon Jae, CHUNG, Hye-Shin, LEE, Seung Joo, YOU, Sun-Ah, SONG, Hyung-Nam, LEE, Chang Woo

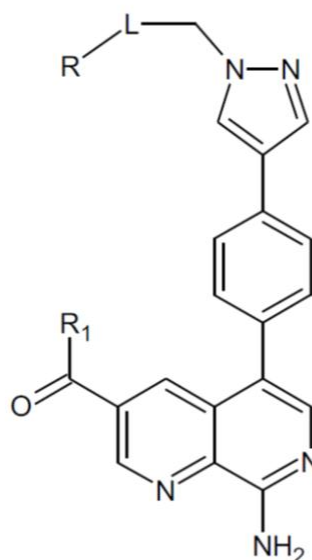
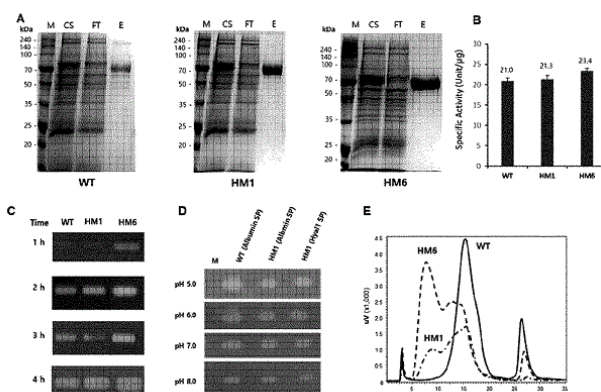
33: KR 31: 10-2018-0086308 32: 2018-07-25

33: KR 31: 10-2019-0029758 32: 2019-03-15

54: NOVEL HYALURONIC ACID-HYDROLYZING ENZYME MUTANT AND PHARMACEUTICAL COMPOSITION COMPRISING SAME

00: -

The present invention relates to a technical field of protein engineering for increasing the enzyme activity and thermal stability of human hyaluronidase, which is a hyaluronic acid-hydrolyzing enzyme, and relates to a hyaluronidase PH20 mutant or a fragment thereof, comprising: the substitution of at least one amino acid residue, among the amino acid sequence of the wild-type PH20 having SEQ ID NO: 1, at an alpha helix site and/or a site corresponding to a connection site thereof; and selectively, the additional deletion of an N-terminal amino acid residue and/or a C-terminal amino acid residue. Specifically, the present invention relates to a PH20 mutant and a fragment thereof, the wild-type PH20, having a sequence of SEQ ID NO: 1, comprising: the substitution of at least one residue selected from the group consisting of T341A, T341C, T341G, S343E, M345T, K349E, L353A, L354I, N356E and I361T; additionally, the substitution of an amino acid positioned at alpha helix site 8 and/or the connection site of alpha helix site 7 and alpha helix site 8; and the deletion of some amino acids of an N-terminal site and a C-terminal site.



21: 2021/00769. 22: 2021/02/02. 43: 2021/09/09

51: A61K

71: Joint Stock Company "BIOCAD"

72: MINDICH, Aleksei Leonidovich, CHESTNOVA, Anna Jur'evna, KASATKINA, Mariia Andreevna, ALAFINOV, Andrei Ivanovich, GAVRILOV, Aleksei Sergeevich, EVDOKIMOV, Anton Aleksandrovich, LENSCHMIDT, Liliana Vyacheslavovna, MAKSIMENKO, Elena Aleksandrovna, MISHINA, Mariia Sergeevna, SILONOV, Sergei Aleksandrovich, SMIRNOV, Evgenii Jur'evich, IAKOVLEV, Pavel Andreevich, MOROZOV, Dmitry Valentinovich

33: RU 31: 2018128415 32: 2018-08-03

54: CDK8/19 INHIBITORS

00: -

The present invention relates to novel compounds of formula I: which have the properties of CDK8/19 inhibitors, to a pharmaceutical composition comprising said compounds, and to use thereof as a medicine for treating diseases and disorders.

21: 2021/00803. 22: 2021/02/05. 43: 2021/09/08

51: B65D

71: GRIGGS, GARETH NEALE

72: GRIGGS, Robert James, GRIGGS, GARETH NEALE

33: ZA 31: 2020/00736 32: 2020-02-05

54: STORAGE DEVICE FOR OVERBOARD SUSPENSION ON A PLEASURE CRAFT

00: -

The invention provides a device for overboard storage from a pleasure craft of an item, which device includes: a holder which has a first surface and a second surface and which is defined between a first side, a second side and a pair of side edges and which is moveable from an inoperative position to an operative position; an attachment element engaged to the holder at or towards to first edge and which is adapted to attach the holder to an edge (gunwale) of the pleasure craft; and a harness engaged to the holder; wherein the harness is adapted to circumscribe the item, when the holder is in the operative position and the item engages the holder on the first surface, to retain the item on or within the holder.

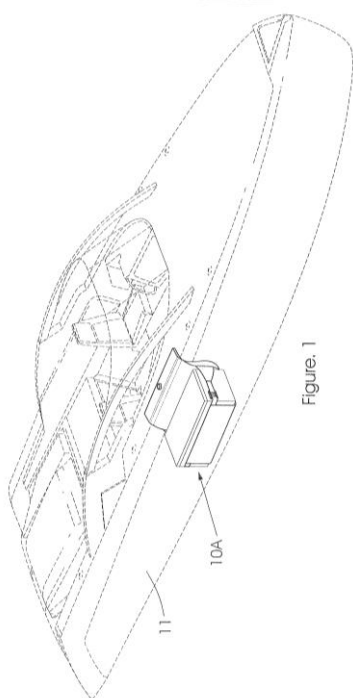
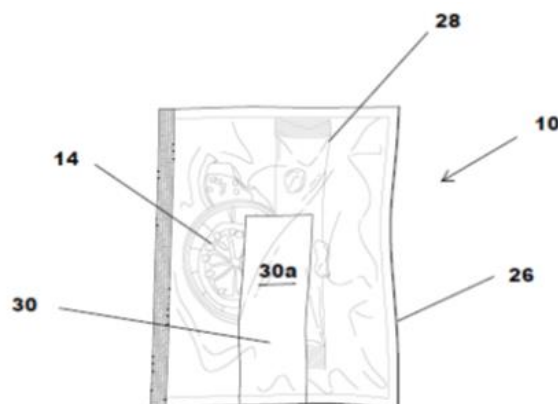


Figure 1



21: 2021/00836. 22: 2021/02/08. 43: 2021/09/09
51: A23L

71: MAHARAJ, Samiksha

72: MAHARAJ, Samiksha

54: AN ADDITIVE FOR WATER

00: -

An additive for water which includes dried produce which is configured to be added to a receptacle filled with water, a powered water-soluble supplement which is configured to dissolve in the water to enhance a nutritional value of the water, and a powered water-soluble flavouring which is configured to dissolve in the water to enhance a flavour of the water.

21: 2021/00842. 22: 2021/02/08. 43: 2021/09/08
51: A01G

71: DIVISION X (PTY) LTD

72: HURDEEN, Rikash Ramrajh, UNSER, Evan James, DELATE, Bryan

33: ZA 31: 2019/07416 32: 2019-11-08

33: ZA 31: 2019/07562 32: 2019-11-15

54: A PLANT GROWTH SYSTEM

00: -

This invention relates to a plant growth system and more specifically, but not exclusively, to a plant growth system for use in remote farming. In accordance with the invention there is provided a plant growth system comprising a growing unit for growing the plant, a control unit for controlling environmental conditions in the growing unit, and an interface for interacting with the control unit. It is envisaged that the invention will provide a plant growth system which does not require a user to have extensive knowledge of a specific plant species in order to successfully grow the plant and also allows a user to control the growth of multiple plant species from a single app.

21: 2021/00872. 22: 2021/02/09. 43: 2021/09/28
51: G06F; H04L

71: LISTAT LTD.

72: VERZUN, Levgen, WILLIAMS, Richard, K

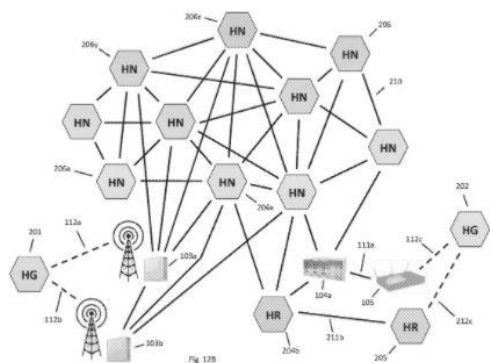
33: US 31: 62/696,160 32: 2018-07-10

54: DECENTRALIZED CYBERSECURE PRIVACY NETWORK FOR CLOUD COMMUNICATION AND GLOBAL E-COMMERCE

00: -

Software installed in the nodes in a communication network allows them to perform a "name server" function, which entails the management of a dynamic list of the client devices that are connected

to the cloud, a "task" function, which entails the receipt and transmission of the packets, and an "authority" function, which entails the determination of the routes of the packets through the cloud. Each node is capable of performing only one function at a time. After completing a job, a node reverts to an undifferentiated, state awaiting its next performance request.



21: 2021/00899. 22: 2021/02/10. 43: 2021/09/10
51: E04B; E04C; E04D

71: L2U GROUP PTY LTD

72: HANSEN, Klaus Hammersholt, HUNTER, Andrew David

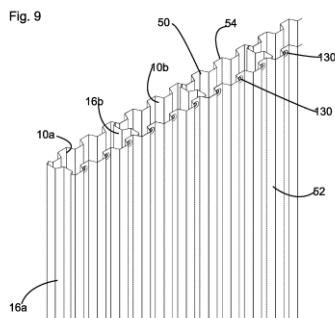
33: AU 31: 2018902691 32: 2018-07-25

33: AU 31: 2018904453 32: 2018-11-22

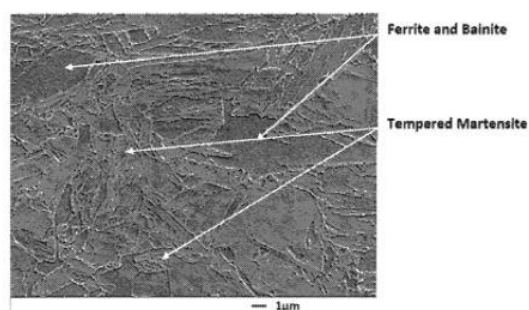
54: MODULAR BUILDING CONSTRUCTION

00: -

A building panel is constructed of a corrugated material. The panel can be folded into a U-shaped configuration. Successive folded panels can be coupled together using complementary shaped corrugations to fix panels in position relative to each other. Shaped connectors can be used to connect building panels in one plane to building panels in another plane.



0.250%, 0.0001% = Ca = 0.003% and 0.001% = Ti = 0.025%, the remainder being Fe and unavoidable impurities, and wherein the microstructure comprises in surface fraction, ferrite and bainite, the sum of which being greater than 5% and strictly lower than 20%, the remainder consisting of tempered martensite.



21: 2021/01085. 22: 2021/02/17. 43: 2021/09/08

51: G06T; G08G

71: ACUSENSUS IP PTY LTD

72: JANNINK, Alexander

33: AU 31: 2018902619 32: 2018-07-19

54: INFRINGEMENT DETECTION METHOD, DEVICE AND SYSTEM

00: -

A method for detecting an infringement by vehicle operator is described. The method comprises detecting a vehicle; receiving one or more image of at least a part of the vehicle operator; automatically analysing with a neural network the one or more captured received image to detect an infringing act; and providing the one or more captured received images comprising the detected infringing act to thereby detect the infringement. Also described are a system, a device, a computer system and a computer program product all for detecting an infringement by a vehicle operator. The device may comprise one or more flash for illuminating the vehicle or a part thereof with light at a narrow band and one or more camera comprising a narrow band filter that lets through only the wavelengths of light produced by the one or more flash.



21: 2021/01140. 22: 2021/02/19. 43: 2021/09/08

51: G01F

71: BOREHOLE MANAGEMENT SYSTEMS (PTY) LTD

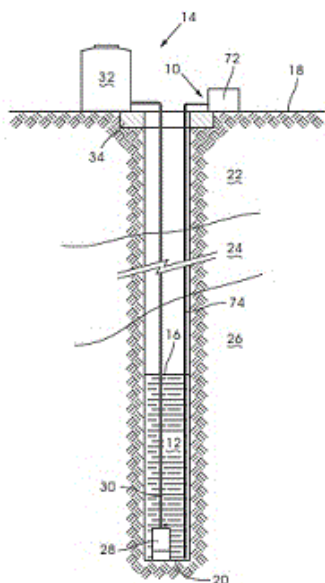
72: BREDENKAMP, JACQUES PIERRE, VAN NIEKERK, EUGENE-COENRAAD, GRUNDLINGH, ANDRIES MACHIEL

33: ZA 31: 2020/01069 32: 2020-02-20

54: LEVEL MEASURING DEVICE

00: -

A device 10 used to measure or monitor a water level 16 within a borehole 14. The device 10 comprises at least a first set of electrodes 36 comprising a first and second electrode (38, 40) connected to a first and second conductor (42, 44) respectively. The first and second electrodes are arranged in close proximity with each other and defines an electrode gap 46 therebetween. The first set 36 is provided at a predetermined first level 48 within the borehole. A voltage source 50 is provided over the first and second conductors. In use, a conductive path created between the first and second electrodes of the first set by water causes a current to flow between the first and second conductors, indicating the existence of the water at the first level.



21: 2021/01185. 22: 2021/02/22. 43: 2021/09/08
51: B60J

71: European Trailer Systems GmbH

72: Roger REMMEL, Marcus LEUKERS

33: DE 31: 20 2018 104 786.8 32: 2018-08-20

54: OPENABLE STRUCTURE

00: -

The invention relates to an openable superstructure for a substructure (14), such as a self-propelled truck, a truck, a semi-trailer, a trailer, a container, a dump truck, a railway wagon, a building or the like, comprising a foldable top frame (16), a cover (12) that can be connected to the top frame (16), in particular a tarpaulin, and a drive (70) for folding in and/or out the top frame (16), wherein the drive (70) causes at least one at least tension-resistant tension element (71) to perform a movement, wherein the at least one at least tension-resistant tension element (71) can be coupled to a distal carriage (32') of the top frame (16) and moves the distal carriage (32') back and/or forth as a function of an actuation direction of the drive (70), the drive (70) comprising a driven first rotating body (73). An openable superstructure, which improves the folding in or folding out of the top frame, which is effected by a drive, distinguishes in that the drive (70) comprises a second rotating body (74), in that the first rotating body (73) and the second rotating body (74) are arranged adjacent to one another and form a drive device (75), and in that the at least one at least tension-resistant tension element (71) is wound several times around the drive device (75) formed

from the first rotating body (73) and the second rotating body (74).

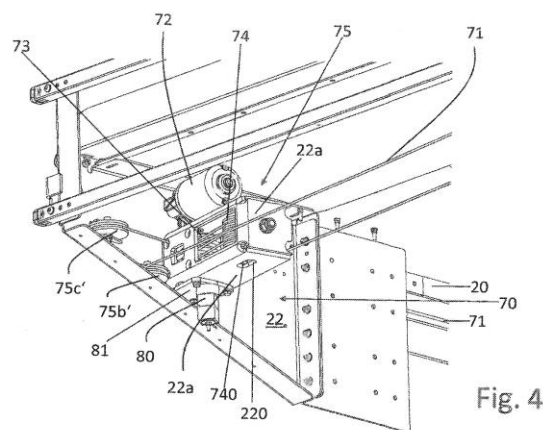


Fig. 4

21: 2021/01203. 22: 2021/02/23. 43: 2021/09/13
51: H04B

71: ST ENGINEERING IDIRECT (EUROPE) CY NV

72: DE BIE, Ulrik, BREYNAERT, Dirk,
CHRISTOPOULOS, Dimitrios

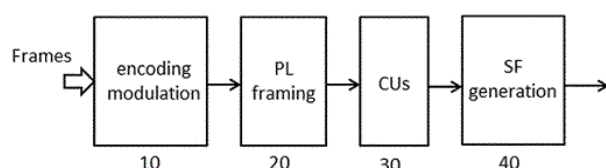
33: US 31: 62/712,295 32: 2018-07-31

54: SATELLITE COMMUNICATION TRANSMITTER

00: -

The present invention relates to an earth station transmitter device (1) arranged for generating a set of data to be transmitted to an earth station receiver device (3) of a satellite communication system, said earth station transmitter device comprising : - encoding and modulation means (10) for mapping a plurality of baseband frames, each associated with a modulation and coding type, to a plurality of frames of encoded and modulated symbols, - physical layer framing means (20) arranged for inserting in front of each frame of encoded and modulated symbols, a physical layer frame header, so obtaining a plurality of physical layer frames, - converter means (30) for converting a super-frame preamble, said super-frame preamble comprising a start of super-frame (SOSF) and a super-frame format indicator (SFFI), and said plurality of physical layer frames into a plurality of capacity units, each capacity unit having a length of 90 symbols, - super-frame generator means (40) arranged to prepend a first subset of capacity units corresponding to said super-frame preamble to a second subset of capacity units of said plurality corresponding to said plurality of

physical layer frames, and to insert a pilot field of 36 super-frame pilot symbols type A in between each pair of consecutive blocks of 16 capacity units of said subsets, thereby obtaining a pilot segment, and arranged to generate a super-frame by collecting a number of said pilot segment, said number being smaller than 415.



21: 2021/01205. 22: 2021/02/23. 43: 2021/10/27
51: B01D; C02F

71: WATERTRANSFORMER GMBH

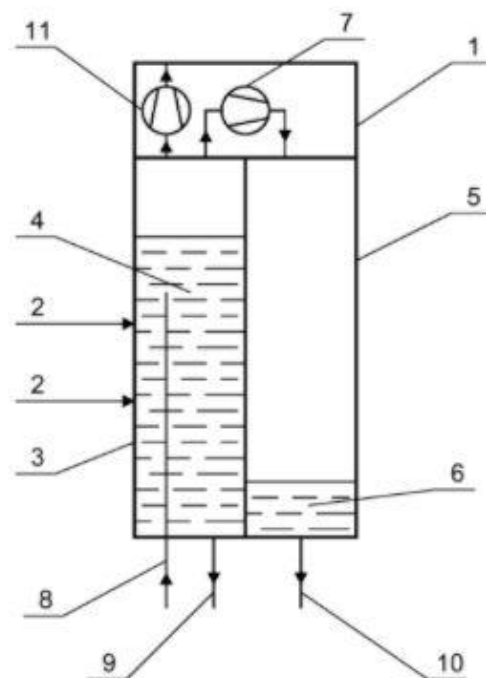
72: Matthias BUDIL

33: AT 31: A60125/2018 32: 2018-08-17

54: SOLAR-POWERED CONTINUOUS DISTILLATION ASSEMBLY HAVING EFFICIENT HEAT RECOVERY

00: -

The invention relates to a distillation assembly (1) which, with the aid of solar energy (2), continuously evaporates a feed liquor (4). Said distillation assembly (1) comprises: a container (3) which contains the feed liquor (4), a container (5) in which the distillate (6) is collected, these containers (3, 5) being in thermal contact, and a compressor (7). The compressor (7) compresses the vapour which is produced by boiling the feed liquor (4) using the concentration of solar energy (2) and/or using negative pressure, into the distillate container (5) such that the vapour condenses there, and the evaporation enthalpy and thermal energy is returned to the feed liquor (4) by the thermal contact.



21: 2021/01270. 22: 2021/02/25. 43: 2021/09/09
51: B65D

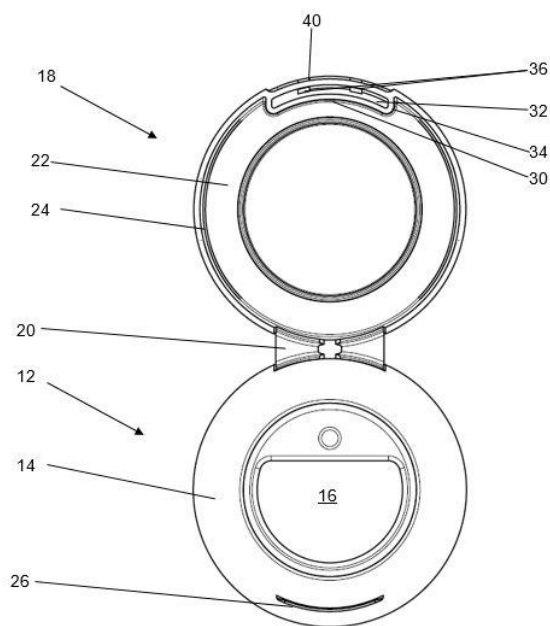
71: ANTONIO MANUEL DE VEIGA MARTINS

72: MARTINS, Antonio Manuel De Veiga

54: TAMPER EVIDENT SYSTEM

00: -

The invention provides a tamper evident system for a container closure, the closure comprising a closure body and a lid hingedly connected thereto. The tamper evident system comprises at least one tamper indicating tab, projecting from a top wall of the closure body and frangibly connected thereto at a frangible junction, the tab including a formation adapted to interlock with a complementary formation defined on the closure lid to couple the tamper indicating tab to the lid in a locking relationship when the lid is moved to the closed position for the first time. Wherein application of an initial opening force on the lid fractures the frangible junction, separating the tab from the closure body and releasing the lid to move to the open position while the separated tab coupled remains coupled to the lid by the complementary interlocking formations.



21: 2021/01321. 22: 2021/02/26. 43: 2021/09/08
51: F28G

71: MULLER, DEVON KEITH

72: MULLER, DEVON KEITH

33: ZA 31: 2020/01962 32: 2020-05-04

54: TUBE CLEANER

00: -

A tube cleaner 10, and in particular, a tube cleaner 10 for cleaning inner surfaces of spiral or straight flame tubes of fire tube boiler systems. The tube cleaner 10 comprises a head unit 12 fitted with a plurality of cleaning members 14. The head unit 12 is fitted to a shaft 16 which, in use, is driven to cause the head unit 12 to rotate relative to the inner surface of the tube. The tube cleaner 10 furthermore comprises a guide 18 for housing the shaft 16. The guide 18 is shaped and configured such that the shaft 16 is retained in a position relative to a centre line of the tube during rotation of the shaft 16 and the head unit 12 relative to the inner surface of the tube.

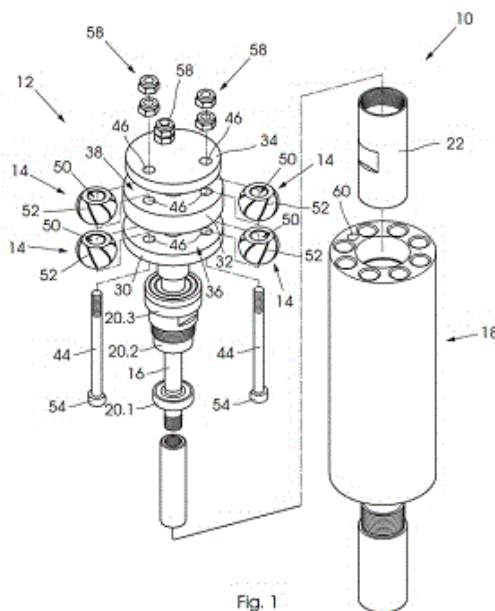


Fig. 1

21: 2021/01378. 22: 2021/02/26. 43: 2021/09/09

51: B41F; B65H

71: ZHEJIANG FURUN DYEING AND PRINTING CO., LTD.

72: WANG, Yifeng, XIANG, Jingguo, ZHANG, Liumei

33: CN 31: 201910248845.5 32: 2019-03-29

54: INCLINED CIRCULAR SCREEN PRINTING AND DYEING DEVICE

00: -

An inclined circular screen printing and dyeing device, comprising a fabric feeding mechanism (1), a printing mechanism (2), a drying mechanism (3), and a fabric falling mechanism (4). The printing mechanism (2) comprises a support frame (2a), an inclined belt (2b), a plurality of printing rollers (2c), a plurality of support rods (2d), a plurality of motors (2e), and a plurality of pigment buckets (2f). The support frame (2a) is vertically provided, the inclined belt (2b) is located on the support frame (2a), the inclined belt (2b) is fixedly connected to the support frame (2a), the plurality of printing rollers (2c) are located on the upper end of the support frame (2a), each printing roller (2c) is connected to the support frame (2a) in a certain angle, the plurality of printing rollers (2c) are evenly distributed in the length direction of the support frame (2a), each support rod (2d) is connected to the support frame (2a) in a certain angle, an output shaft of each motor (2e) is connected to one printing roller (2c), and the number of the printing rollers (2c) is consistent with the number of the pigment buckets (2f).

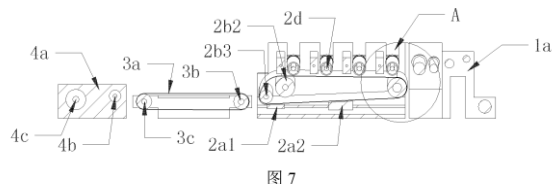


图 7

21: 2021/01379. 22: 2021/02/26. 43: 2021/09/10
51: B01D; F24F

71: BENGBU ZHENGTE PURIFICATION
EQUIPMENT CO. LTD

72: JIANG, Kuo

54: FORMALDEHYDE PURIFICATION DEVICE FOR HOUSE AIR TREATMENT

00: -

The present disclosure discloses a formaldehyde purification device for house air treatment. The formaldehyde purification device for house air treatment comprises a fixed seat, wherein an aeration filtering mechanism is installed on the inner side of the fixed seat, the aeration filtering mechanism comprises a fixed mount, an air blower, a shunt pipe, a water outlet pipe, a water inlet pipe, check valves, a baffle, a placing rack, a placing plate, spoilers, flow guide holes and a filter block, the fixed mount is installed at the middle part of one side of the fixed seat, and the air blower is installed on the inner side of the fixed mount; through the aeration filtering mechanism, external air can make full contact with water, so that most of formaldehyde in air can be dissolved in the water, meanwhile, impurities mixed in the air can be adsorbed, the filter block and a carbon bag are prevented from being blocked by impurities, meanwhile, the filtered air can be subjected to secondary filtering treatment through the filter block, the proportion of formaldehyde contained in the air is reduced, and the filtered formaldehyde can also be subjected to decomposition treatment.

21: 2021/01389. 22: 2021/03/01. 43: 2021/09/08
51: E21B; G06Q
71: CATERPILLAR GLOBAL MINING EQUIPMENT
LLC

72: MOBERG, CARL J

33: US 31: 16/822,843 32: 2020-03-18

54: DRILL PIPE SEGMENT LIFE MONITOR

00: -

A drilling machine (10) includes a pipe life monitoring system (100). The drilling machine (10) includes a

drill string (42) with at least a rotary head assembly (34) and a pipe segment (40). A sensor (82, 99) is configured to monitor and transmit sensor data, including at least one of a pressure and a torque. A controller (104), including a processor and being operatively associated with the sensor (82, 99), is configured to calculate a weight of the pipe segment (40) using the sensor data.

21: 2021/01440. 22: 2021/03/03. 43: 2021/09/13
51: A61K C07C

71: IO THERAPEUTICS, INC.

72: CHANDRARATNA, Roshantha, A., SANDERS,
Martin, E.

33: US 31: 62/552,814 32: 2017-08-31

54: RAR SELECTIVE AGONISTS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY

00: -

Disclosed herein are methods for treating cancer comprising administering CAR-modified immune cells and at least one Retinoic Acid Receptor agonist.

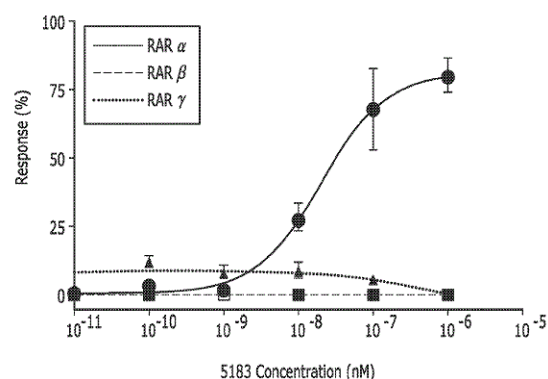


FIG. 1

21: 2021/01778. 22: 2021/03/17. 43: 2021/10/21
51: G01N

71: ANHUI UNIVERSITY OF SCIENCE AND
TECHNOLOGY, INSTITUTE OF ENVIRONMENT-
FRIENDLY MATERIALS AND OCCUPATIONAL
HEALTH, ANHUI UNIVERSITY OF SCIENCE AND
TECHNOLOGY (WUHU)

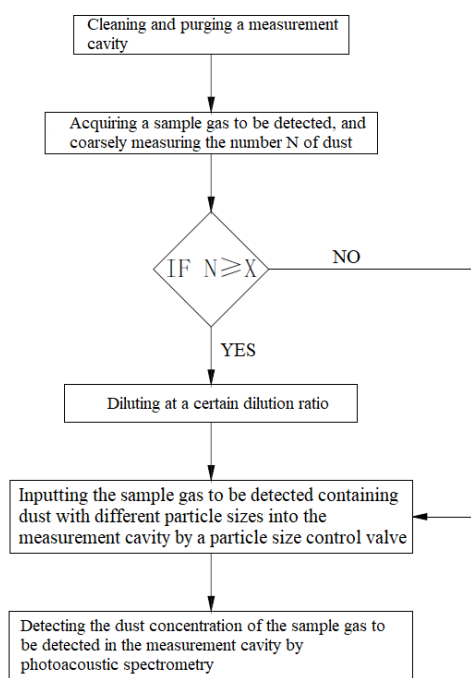
72: JIN, HUAWEI, XU, HUWEI

54: DUST CONCENTRATION DETECTION METHOD

00: -

Disclosed is a dust concentration detection method, comprising the following steps: acquiring quantitative

sample gas to be detected; coarsely measuring the number N of dust in the sample gas to be detected; if N is greater than or equal to a preset threshold value X, diluting the sample gas to be detected so that N is less than the preset threshold value X; if N is less than the preset threshold value X, dispensing with the dilution of the sample gas; filtering the sample gas to be detected obtained in step S2, and inputting the sample gas to be detected containing dust with different particle sizes into a measurement cavity; and performing photoacoustic spectrum detection on the sample gas to be detected in the measurement cavity to measure the dust concentration in the sample gas to be detected.



21: 2021/01779. 22: 2021/03/17. 43: 2021/10/21
51: B61L

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

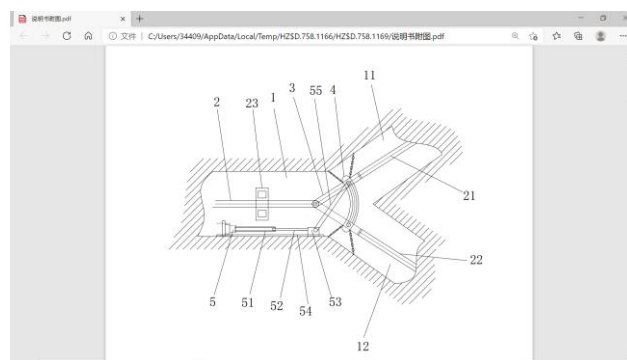
72: JIN, HUAWEI, WANG, GUORONG, KOU, ZIMING, WU, JUAN

54: MINE UNDERGROUND SHIFTING FORK DEVICE BASED ON CRANK SLIDER MECHANISM

00: -

Disclosed is an underground shifting fork based on a crank slider mechanism comprising a main switch, an M-direction branch switch, an N-direction branch

switch, a support beam and a drive mechanism, wherein the main switch is fitted with a fixed I-beam at the top, and one end of the main switch fixed I-beam is rotationally fitted with a movable I-beam. One side of the support beam is provided with a slideway, one side of the support beam is also provided with two sliding chutes which are respectively located on both sides of the slideway. In the present invention, the device can change the travel direction of a transport vehicle by installing the movable I-beam on the main switch fixed I-beam and installing a sliding part on the support beam, and automatic rail change of the transport vehicle is achieved by fitting a driving device with the movable I-beam.



21: 2021/01817. 22: 2021/03/18. 43: 2021/10/27
51: E04C; E04F; E06B; F16B; F24F

71: Ultraguard Security Pty Ltd

72: Bradley Mark VEIVERS

33: AU 31: 2020900845 32: 2020-03-19

33: AU 31: 2020901119 32: 2020-04-08

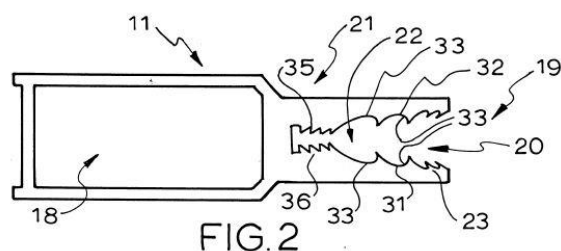
33: AU 31: 2020901387 32: 2020-05-01

54: IMPROVEMENTS IN OR IN RELATION TO SCREENS

00: -

A security screen employs frame rails 11, as an extrusion of constant cross-section and having a rectangular hollow space 18 and a screen entry opening 19 opposite the hollow section 18. The rail 11 leads from the screen entry opening 19 outboard as a form of channel 20. The channel 20 has three regions comprising a screen tensioning region 21, a glue receiving region 22 and a seal or cover strip receiving region 23. The first step in assembly is to caulk or otherwise deposit a suitable glue, for example a methacrylate, epoxy, urethane or equivalent to fill the glue region 22. The screen is inserted through the glue, the frame promoting

movement of the glue into the screen so that the glue hardens to form a matrix around and through the screen.



21: 2021/02203. 22: 2021/03/31. 43: 2021/10/15
51: C05C

71: ALZCHEM TROSTBERG GMBH

72: Stephan WINKLER, Martin EBERL, Susanne ERL, Jürgen SANS, Jürgen BEZLER

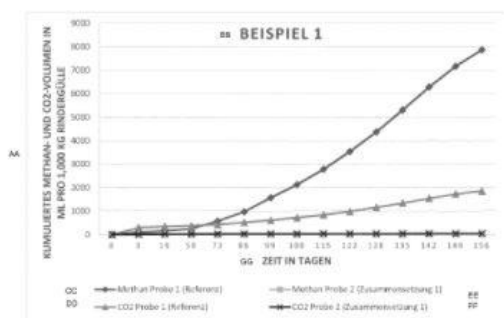
33: DE 31: 10 2018 128 173.0 32: 2018-11-12

54: METHOD OF REDUCING GAS EMISSION FROM FARM FERTILIZERS

00: -

The present invention relates to a method and to the use of a composition, each for reducing the emission of the environmentally harmful climate gases methane and/or carbon dioxide from farm fertilizers while they are being stored.

Zeichnungen / Figuren:



Figur 1

AA: CUMULATED METHANE AND CO2 VOLUME IN ML PER 1.000 KG OF GATTLIS MANURES
BB: EXAMPLE 1
OC: Methane sample 1 (reference)
DO: CO2 sample 1 (reference)
EE: Methane sample 2 (composition 1)
FF: CO2 sample 2 (composition 1)
GG: TIME IN DAYS

21: 2021/03157. 22: 2021/05/10. 43: 2021/10/21
51: C08L; C08K

71: GUIZHOU INSTITUTE OF MATERIALS
INDUSTRY TECHNOLOGY

72: SUN, JING, HUANG, ANRONG, LUO, SHANSHAN, SHI, MIN, JIANG, TUANHUI, LUO, HENG

54: CONDUCTIVE PA6/PPO ALLOY MATERIAL AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a conductive PA6/PPO alloy material and a preparation method thereof. The conductive PA6/PPO alloy material is prepared from the following raw materials in parts by mass: 35-60 parts of nylon 6, 40-65 parts of modified polyphenyl ether, 2-8 parts of a toughening agent, 0.5-5 parts of a carbon nanotube, 1-10 parts of conductive carbon black, 0.1-5 parts of a compatilizer and 0.1-3.0 parts of an antioxidant. In the present invention, an amount of added conductive fillers is relatively small, and the conductive fillers are uniformly dispersed in a base material without an agglomeration phenomenon; and the prepared conductive PA6/PPO alloy material has excellent conductivity and mechanical properties, and is simple in processing method, controllable and stable in performance of a product and easy in industrial production. The present invention is wide in material sources, low in cost and good in use effect.

21: 2021/03918. 22: 2021/06/08. 43: 2021/10/28

51: G01C; G05B; G06K; G08G; H04L; B60W

71: QINGDAO AGRICULTURAL UNIVERSITY

72: SONG, Caixia, XU, Pengmin

33: CN 31: 202110531922.5 32: 2021-05-17

54: REFERENCE MODEL ADAPTIVE RATE CONTROL SYSTEM AND METHOD IN COOPERATIVE VEHICLE SAFETY SYSTEM

00: -

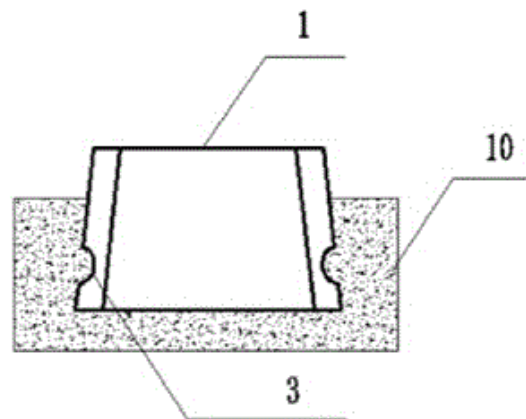
Disclosed are a reference model adaptive rate control system and method in a cooperative vehicle safety system. The system includes a real-time vehicle tracking module, a reference model module, and an adaptive rate control module. The method includes the following steps: 1) the real-time vehicle tracking module providing status information of a vehicle itself to surrounding vehicles, and estimating statuses of surrounding vehicles; 2) the reference model module estimating a number of current vehicles, vehicle speeds and interference according to the real traffic flow conditions obtained from the vehicle tracking module, calculating a total reception probability of data packets, mapping the total reception probability to a vehicle tracking accuracy, and finally predicting a desired vehicle network status by a finite time-domain rolling optimization

method based on the acceptable tracking accuracy; and 3) the adaptive rate control module providing a real-time rate control strategy according to the desired vehicle network status and the current actual vehicle network status. The present invention fully considers the influence of various factors in the Internet of Vehicles, reduces channel congestion, and greatly improves real-time vehicle tracking accuracy.

21: 2021/04292. 22: 2021/06/22. 43: 2021/09/20
51: E01B
71: CHINA RAILWAY SIYUAN SURVEY AND DESIGN GROUP CO., LTD.
72: SUN, LI, WANG, SENRONG, LI, QIUYI, YANG, YANLI, ZHU, BIN, LI, QIHANG
33: CN 31: 201811550015.X 32: 2018-12-18
54: RECESS STRUCTURE FOR REINFORCING CONNECTION BETWEEN RAILWAY SLEEPER AND TRACK BED, AND CONSTRUCTION METHOD

00: -

Embodiments of the present invention disclose a recess structure for reinforcing a connection between a railway sleeper and a track bed, the recess structure being used in a ballastless track to reinforce the connection between a prefabricated sleeper unit and a subsequently-placed track bed. A reinforcement member is provided at one or more sidewalls in a transverse direction of the railway sleeper, that is, in a longitudinal direction of the track. The reinforcement member is a recess recessed inward from the sidewalls of the railway sleeper, such that during a pouring and placing process of the track bed, the recess and a certain height of the railway sleeper are buried in concrete of the track bed and integrated with the same by means of concrete pouring, the concrete directly filling the recess so as to reinforce the connection between the railway sleeper and the track bed.



21: 2021/04906. 22: 2021/07/13. 43: 2021/10/28
51: A61K; C12N
71: Shandong Agricultural University
72: JIANG Shijin, ZHANG Ruihua
54: NEUTRALIZING MIMIC EPITOPE SHARED BY DUCK HEPATITIS A VIRUS TYPE 1 AND TYPE 3 AND USE THEREOF

00: -

Provided is a neutralizing mimic epitope shared by duck hepatitis A virus type 1 and type 3 and use thereof. The invention relates to the technical field of genetic engineering epitope vaccine technology. The invention conducts in-depth research on the epitope of duck hepatitis A virus type 1 and type 3, and a group of neutralizing mimic epitope shared by duck hepatitis A virus type 1 and type 3 is obtained. The neutralizing mimic epitope can be used to prepare the vaccine that prevents and treats duck hepatitis A virus type 1 and type 3. It is found that more than 80% of the ducklings immunized by the epitope vaccine prepared on the basis of neutralizing mimic epitope are well protected from duck hepatitis A virus type 1 and type 3 infection. The epitope vaccine reduces common vaccine side effects, improve safety, and are more targeted. It is also conducive to better understand the infection and immunity mechanism after the virus enters the organism.

21: 2021/05355. 22: 2021/07/28. 43: 2021/09/20
51: E01B
71: CHINA RAILWAY SIYUAN SURVEY AND DESIGN GROUP CO., LTD.

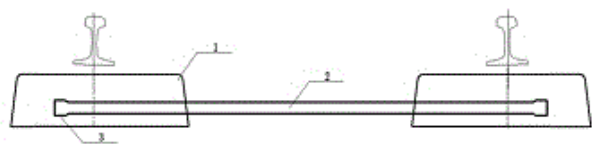
72: SUN, LI, ZHANG, YUHONG, WANG, SENRONG, LI, QIUYI, YANG, YANLI, ZHU, BIN, ZHANG, SHIJIE, LI, QIHANG

33: CN 31: 201910672719.2 32: 2019-07-24

54: ANTI-SEPARATION DESIGN FOR CONCRETE-FILLED STEEL TUBE MEMBER AND SLEEPER BLOCK OF BALLASTLESS TRACK

00: -

Disclosed is an anti-separation structure for a concrete-filled steel tube member and a sleeper block of a ballastless track. The anti-separation structure is used in a concrete-filled steel tube sleeper of a ballastless track, and the concrete-filled steel tube sleeper comprises two or more sleeper blocks (1), and a plurality of concrete-filled steel tubes (2) connecting the sleeper blocks (1), wherein the concrete-filled steel tubes (2) are formed by pouring concrete into hollow steel tubes; the hollow steel tubes have portions (3) with an expanded radial width at external ends thereof embedded in the sleeper blocks (1) the range of length less than 50 mm; and during the pouring process of the hollow steel tubes, the portions (3) with an expanded radial width are also filled with concrete and are poured with the sleeper blocks (1) during a pouring process of the sleeper blocks (1) such that same are integrated. An end of a formed concrete-filled steel tube undergoes flaring, and under the action of an external load, a concrete-filled steel tube member cannot be pulled away and separated; and the flaring is very beneficial to a spraying operation and the spreading of sprayed grout.



21: 2021/05958. 22: 2021/08/19. 43: 2021/10/22

51: A61K

71: General Hospital of Ningxia Medical University

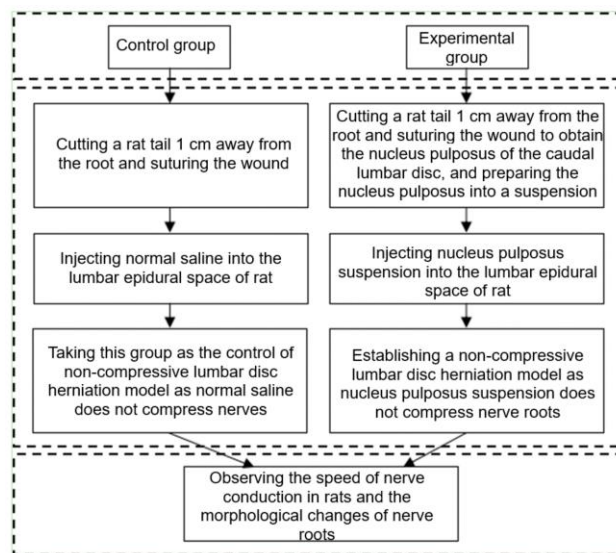
72: Lu Zhidong, Jin Qunhua, Chen Zhirong, Liu Li, Li Peng, Zhang Liang, Sun Kening

33: CN 31: 202010202425.6 32: 2020-03-20

54: METHOD FOR ESTABLISHING ANIMAL MODEL OF NON-COMPRESSIVE LUMBAR DISC NUCLEUS PULPOSUS HERNIATION

00: -

A method for establishing an animal model of non-compressive lumbar disc herniation comprises the following steps: S1. cutting a rat tail 1 cm away from the root and suturing the wound to obtain the nucleus pulposus of the caudal lumbar disc; S2. cutting open the fibrous ring of the caudal lumbar disc, with the nucleus pulposus being jelly-like, fully mixing 5 nucleus pulposus and 50 μ l of normal saline, and diluting into a suspension; and S3. injecting 20 μ l of nucleus pulposus suspension and 30 μ l of 2 percent lidocaine injection into the lumbar epidural space so that the nucleus pulposus suspension spreads around nerve roots. According to the present invention, by drawing upon the features of a thick rat tail, sufficient and jelly-like herniated nucleus pulposus, and combined with the epidural puncture technique, the autologous nucleus pulposus suspension is injected into the lumbar epidural space to enable the nucleus pulposus to be exposed to the blood circulation and the body's immune system, confirming that the function and morphology of nerve roots will change even if the nucleus pulposus suspension in the lumbar vertebral canal of the rat does not compress nerve roots, and that the model of the present invention is effective.



21: 2021/06072. 22: 2021/08/23. 43: 2021/10/05

51: G01S

71: CENTRAL SOUTH UNIVERSITY

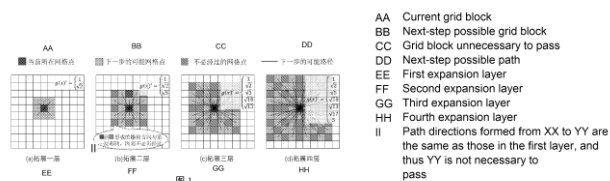
72: DONG, Longjun, HU, Qingchun, LI, Xibing

33: CN 31: 201910113634.0 32: 2019-02-14

54: MICROSEISMIC/ACOUSTIC EMISSION SOURCE LOCALIZATION METHOD IN COMPLEX STRUCTURE HAVING EMPTY SPACE

00: -

The present invention discloses a microseismic/acoustic emission (AE) source localization method in a complex structure with empty spaces, including the following steps: Step I, mounting a sensor at each of a plurality of different positions in the structure; Step II, recording actual times at which a P-wave signal generated by an unknown microseismic/AE source is received by different sensors and calculating differences between the actual times; Step III, selecting nodes in the localization area, and calculating differences between theoretical travel times of the P-wave signal, generated by the microseismic/AE source and excited at the nodes, from the nodes to the different sensors; and Step IV, determining degrees of deviation between the nodes and the unknown microseismic/AE source according to the differences between the actual times and the differences between the theoretical travel times, determining a node having the smallest degree of deviation from the microseismic/AE source, and taking coordinates of the node as localization coordinates of the microseismic/AE source. According to the present invention, a microseismic/AE source in a complex structure with empty spaces can be localized more precisely.



21: 2021/06342. 22: 2021/08/31. 43: 2021/10/18

51: E21B; E21D

71: GEOBRUGG AG

72: Shane BROWN, Roland BUCHER

33: AU 31: 2019200996 32: 2019-02-13

54: A METHOD FOR MOUNTING A ROLL OF PROTECTIVE MESH MATERIAL TO AN UNDERGROUND ROCK DRILLING MACHINE, A METHOD FOR ATTACHING PROTECTIVE MESH MATERIAL TO A ROCK SURFACE AND A MOUNTING DEVICE

00: -

The invention proceeds from a method for mounting a roll of protective mesh material (10) to an underground rock drilling machine (12), in particular a drilling jumbo, comprising at least one boom (14, 16), preferably at least two booms (14, 16). It is suggested that the method comprises at least the following steps: - inserting a first end (18) of a first bar (20) from a first lateral side (22) of the roll of protective mesh material (10) into a center (24) of the roll of protective mesh material (10) - fastening the first bar (20) directly or indirectly to the boom (14, 16) - inserting a first end (26) of a second bar (28) from a second lateral side (30) of the roll of protective mesh material (10) opposite the first lateral side (22) into the center (24) of the roll of protective mesh material (10) - fastening the second bar (28) directly or indirectly to the boom (14, 16) in a location that is spaced apart from the first bar (20) - securing the roll of protective mesh material (10) against autonomous unrolling.

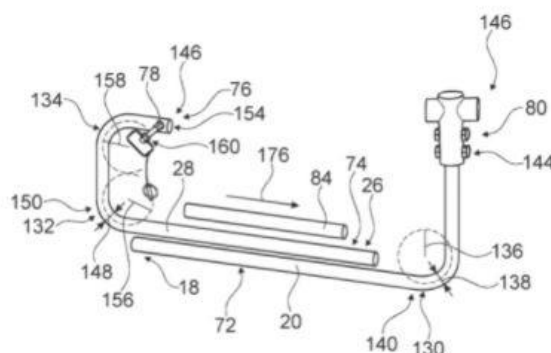


Fig. 3

21: 2021/06354. 22: 2021/08/31. 43: 2021/09/30

51: G06F

71: NANJING LES CYBERSECURITY AND INFORMATION TECHNOLOGY RESEARCH INSTITUTE CO. LTD.

72: MENG, LINGWU, HE, CHENGLONG, WU, JIAYI, DING, CAN, LIU, ZHE, LI, HUIKE, GU, XUEHAI, JIANG, JINING, CHEN, ZHENG

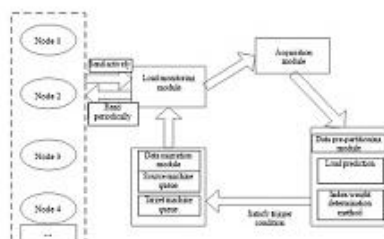
33: CN 31: 201910978247.3 32: 2019-10-15

54: DATA DYNAMIC PARTITIONING SYSTEM BASED ON NODE LOAD

00: -

A data dynamic partitioning system based on node load is provided, including a load monitoring module, an acquisition module, a prediction module, a data pre-partitioning module, a data migration module, and the like. The data dynamic partitioning system

predicts node load by adopting a second exponential smoothing method combined with an Analytic Hierarchy Process (AHP) and an entropy index weight method, so as to enable to obtain corresponding partitioning strategies according to different data analysis applications, dynamically adjust load balance of the system, and increase response speed of applications. For application scenarios of Spark and Memsq distributed integration frameworks, due to heterogeneity of node resources in a distributed environment, in order to reduce consumption of data transmission between nodes and make full use of computing resources of each node, parallel computing efficiency of application analysis is improved through load balance. Thus, a data dynamic partitioning mechanism and strategy based on node load is provided to improve the load balance of the system and increase the response speed of applications, thereby assisting relevant staff to complete decision-making.



21: 2021/06410. 22: 2021/09/02. 43: 2021/10/07
51: B01D

71: Huaneng Power International Inc. Yingkou Power Plant

72: Liu, Chang, Guo, Yong, Du, Dongming, Zhang, Zhonghua, Li, Wenjie, Zhang, Houchang, Sun, Zhongyi, Sun, Tao, Liu, Baoling, Yang, Qingzhi, Guo, Chenxi, Li, Qingpeng, Li, Minghan, Gao, Shan, Xu, Zhishuang, Han, Xi, Di, Baoxu, Mu, Guowei, Song, Xiaohu, Hao, Zhiming

33: CN 31: 202110113586.2 32: 2021-01-27

54: INTELLIGENT CONTROL SYSTEM FOR WET DESULFURIZATION

00: -

The present invention relates to the field of wet desulfurization technologies, and in particular, to an intelligent control system for wet desulfurization, including an intelligent process system for a desulfurization process, where an expression of the

intelligent process system for a desulfurization process is as shown in Expression 1. In Expression 1, Q_{spray} is a spraying amount, L_{slurry} is a slurry liquid level, Q_{smoke} is a flue gas amount, R_{SO_2} is a flue gas sulfur content, pH is a slurry pH value, D_{slurry} is a slurry density, and Q_{SO_2} is a SO_2 content at an outlet. By establishing a model of a wet desulfurization process and using a deep learning function of a neural network, a Q_{SO_2} intelligent control prediction model is established to minimize a probability of a SO_2 content exceeding a standard, so as to minimize desulfurization costs under the premise of satisfying a SO_2 content index.

$$Q_{\text{SO}_2} = f(Q_{\text{spray}}, L_{\text{slurry}}, Q_{\text{smoke}}, R_{\text{SO}_2}, pH, D_{\text{slurry}})$$

21: 2021/06416. 22: 2021/09/02. 43: 2021/10/28

51: G01S

71: QINGDAO AGRICULTURAL UNIVERSITY

72: SONG, Caixia

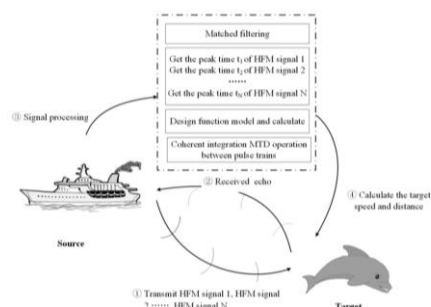
33: CN 31: 202110877576.6 32: 2021-08-01

54: A PULSE SEQUENCE METHOD BASED ON HFM FOR SPEED MEASUREMENT AND RANGING

00: -

The present invention discloses a pulse sequence method based on HFM for speed measurement and ranging, comprising the following steps of: (1) assuming that a target moves towards a sonar system with a moving speed v being positive; (2) firstly, transmitting an HFM pulse signal 1, transmitting an HFM pulse signal 2 after one measuring range, and after the measuring range is scanned, transmitting HFM pulse signals in other forms by such analogy; (3) respectively finding out an occurrence time of a matched filtering maximum value in a pulse sequence; (4) calculating a distance R and a target speed v between the target and the sonar system by using a time delay relationship among signals in the pulse sequence; (5) aligning the signals in the pulse sequence by using the calculated speed; and (6) conducting coherent computation among MTD pulses on the signals to obtain the processing of N pulses in the pulse sequence. The present invention utilizes the HFM pulse signals with different frequency bands and pulse widths to conduct speed measurement and ranging so that the speed measurement can be

ensured, the precision of speed measurement and ranging can be improved, and the signal-to-noise ratio can further be increased at the same time.



21: 2021/06418. 22: 2021/09/02. 43: 2021/10/28
51: H04L

71: QINGDAO AGRICULTURAL UNIVERSITY

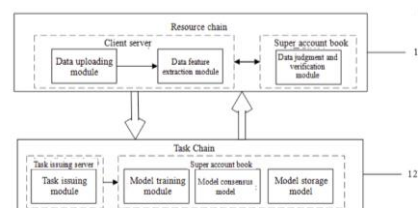
72: SONG, Caixia, XU, Pengmin, QI, Zhiguo

33: CN 31: 202110877562.4 32: 2021-08-01

54: A DATA SHARING SYSTEM AND METHOD BASED ON DOUBLE-CHAIN TECHNOLOGY IN BLOCKCHAIN

00: -

The invention discloses a data-sharing system and method based on a double-chain technology in a blockchain. The system comprises a resource chain module and a task chain module, wherein the resource chain module comprises a data uploading module, a data feature extraction module, and a data judgment and verification module; and the task chain module comprises a task issuing module, a model training module, a model consensus module, and a model storage module. In the method of the present invention, the resource chain module and the task chain module use different consensus algorithms, wherein the resource chain module uses a Byzantine algorithm to store data, so that data sharing, an incentive mechanism, and copyright protection are realized; the task chain module uses POW compute power in the blockchain to conduct deep learning model training based on big data so that the cost is lowered, social resources are saved, and the computing power is used for meaningful work; and a task chain reads data on the resource chain, the resource chain loads task chain information, and the double chains are both independent and unified. The data is stored, used, and circulated well, and the problems of data sharing and computing power waste are effectively solved.



21: 2021/06419. 22: 2021/09/02. 43: 2021/10/28

51: A01N; A01P

71: SHANDONG PEANUT RESEARCH INSTITUTE

72: DU, Long, QU, Chunjuan, JIANG, Xiaojing, SHI, Chengren, JIAO, Kun, JU, Qian, LI, Xiao, QU, Mingjing

54: HERBICIDE FOR INHIBITING WEED IN PEANUT FIELD AND PROCESS FOR PREPARING CAPSULE SUSPENSION

00: -

The present invention relates to a herbicide for inhibiting a weed in a peanut field and a process for preparing a capsule suspension. The herbicide includes, in percentage by weight, 6%-45% of pyroxasulfone, 1%-10% of imazapic and 1%-5% of an emulsifier. Compared with an existing method for preparing a capsule suspension, the present invention has a low capsulation material cost, a simple process, a low apparatus requirement and easy preparation of a capsule wall. The capsule suspension prepared from the weeding composition through the method does not influence a fast-acting property of soil treatment and prolongs a weed inhibition period.

21: 2021/06420. 22: 2021/09/02. 43: 2021/10/28

51: A21D; A23F

71: QINGDAO AGRICULTURAL UNIVERSITY

72: LI, Man, MA, Meng, ZHANG, Mengli, TIAN, Chao, JIA, Ruobing, SUN, Qingjie

54: SCENTED TEA FILLING GRAIN CAKE AND METHOD FOR MAKING SAME

00: -

Disclosed in the present invention is a scented tea filling grain cake, prepared from dough and filling in a weight ratio of 1:1-2:1; wheat flour serves as a main raw material of the dough, various grain flour is further added, and various flower powder is added into a raw material of the filling; the wheat flour is mixed with other coarse grain flour, such that nutritional ingredients are rich, and fibers are more; the scented tea powder is added, such that the

components supplement one another, fragrance of the cake is improved, and the varieties of the cake are increased; and the advantages of wide varieties and different functions of grains and scented tea are fully utilized, and different raw materials are scientifically classified, so as to develop foods suitable for different consumer groups.

21: 2021/06421. 22: 2021/09/02. 43: 2021/10/28
51: C07C

71: QINGDAO AGRICULTURAL UNIVERSITY
72: GUO, Liping, XIAO, Junxia, HUANG, Guoqing, LI, Xiaodan, LIU, YANBING

54: METHOD FOR EXTRACTING SULFORAPHANE FROM BROCCOLI SEEDS

00: -

Provided is a method for extracting sulforaphane from broccoli seeds. The method includes: pre-treating the broccoli seeds with a microwave; grinding and degreasing the broccoli seeds; adding distilled water and ethyl acetate; and extracting the sulforaphane under the assistance of an ultrasonic wave, specifically, vacuum-concentrating the ethyl acetate layer to remove the solvent to obtain the sulforaphane extract with purity of 35% - 45%. The present disclosure is high in sulforaphane extraction efficiency, simple in process, low in cost and conducive to industrial production.

21: 2021/06447. 22: 2021/09/03. 43: 2021/10/28
51: A01N; C12N; C12R
71: QINGDAO AGRICULTURAL UNIVERSITY
72: SHI, Qianqian, LI, Xiao, LV, Dongzhi, YU, Luhan, SONG, Wenwen
33: CN 31: 202110088697.2 32: 2021-01-22

54: PAENIBACILLUS POLYMYXA AND APPLICATION THEREOF

00: -

The present invention disclose a Paenibacillus polymyxa and its application, belongs to the field of microbial pesticides and fertilizers. The Paenibacillus Polymyxa is Paenibacillus Polymyxa J2-4, which has been deposited in China General Microbiological Culture Collection Center, CGMCC No. 21515. The invention is applied to microbial pesticide fertilizer, which has solved the problem of complex formulation of existing bacillus polymucinous for controlling crop root-knot nematodes, and has the characteristics of good control effect on northern root-knot nematodes when used alone.

21: 2021/06448. 22: 2021/09/03. 43: 2021/10/28
51: A01N; C12N; C12R

71: QINGDAO AGRICULTURAL UNIVERSITY,
YUNCHENG COUNTY BUREAU OF
AGRICULTURE AND RURAL AREAS

72: DUAN, Fangmeng, GUO, Lin, ZHANG, Jie
33: CN 31: 202110087774.2 32: 2021-01-22

54: BIOCONTROL PREPARATION AND APPLICATION THEREOF IN CONTROL OF PRATYLENCHUS COFFEA

00: -

The present invention discloses a biocontrol preparation and application thereof in control of Pratylenchus coffea, belonging to the technical field of microbial pesticide. A biocontrol preparation, active ingredients of the biocontrol preparation include Paenibacillus polymyxa J2-4 and/or a culture and/or metabolite of the Paenibacillus polymyxa J2-4, wherein the Paenibacillus polymyxa J2-4 was preserved in CGMCC, No. 21515. The invention can effectively prevent and treat the Pratylenchus coffea, and when used for poisoning the Pratylenchus coffea, the Paenibacillus polymyxa does not need to be compounded with other strains or chemical components, and can achieve a good effect of poisoning the Pratylenchus coffea by being independently used.

21: 2021/06449. 22: 2021/09/03. 43: 2021/10/28
51: A01N; C12N; C12R

71: QINGDAO AGRICULTURAL UNIVERSITY
72: SONG, Wenwen, ZHANG, Jie, YANG, Siqi
33: CN 31: 202110082616.8 32: 2021-01-21

54: BREVIACILLUS AGRI DR2-1 AND APPLICATION THEREOF

00: -

The invention relates to Brevibacillus agri and application thereof in killing root-knot nematodes and promoting plant growth. Brevibacillus agri DR2-1, with preservation number of CGMCC No. 21197. The Brevibacillus agri DR2-1 provided by the invention has excellent control effect on root-knot nematodes, and has an obvious effect of promoting cucumber growth.

21: 2021/06514. 22: 2021/09/06. 43: 2021/09/20
51: B08B; F24F; E21F

71: CHINA UNIVERSITY OF MINING AND TECHNOLOGY

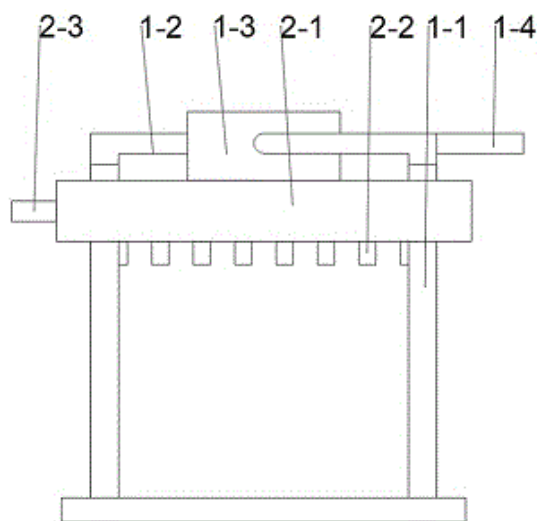
72: LI, XIAOCHUAN, CHEN, MINGJUN, ZHAO, XINLI, JIANG, YEFENG, ZHANG, MINGRUI, JIA, JIFENG, LI, JIAWEI, CAO, YI, ZHU, DUOLEI, LI, ZHIHAO, LIU, PINWEI

33: CN 31: 202010070207.1 32: 2020-01-21

54: DEVICE AND METHOD FOR FORMING LOCAL DUST-FREE SPACE FOR USE IN MINE

00: -

Disclosed are a device and method for forming a local dust-free space for use in a mine. The local dust-free space consists of a planar jet air curtain generation device (1) and a fresh air supply system (2). The planar jet air curtain generation device (1) comprises an air curtain generator (1-1), an air supply pipe (1-2), and an air curtain air supply box (1-3); the air curtain generator (1-1) is of a tubular structure, one side of the air curtain generator (1-1) is provided with an air supply groove (1-11), and a plurality of flow guide blades (1-12) are uniformly distributed in the air supply groove (1-11); a vertical jet air curtain is blown out from the air supply groove (1-11) of the air curtain generator (1-1), the air curtain is deflected outwards by 15-20 degrees along a connecting line of the air curtain generator (1-1), and a relatively closed dust-free space is enclosed by a plurality of air curtains sealedly connected end to end; the fresh air supply system (2) is provided above the dust-free space, and supplies fresh air to the dust-free space from top to bottom. The device and method can create a dust-free small clean space for a tunnel boring machine operator and a commander of a heading machine in a tunneling process in a mine, a tunnel and the like.



21: 2021/06557. 22: 2021/09/07. 43: 2021/09/17
51: C30B

71: NANJING TONGLI CRYSTAL MATERIALS RESEARCH INSTITUTE CO., LTD

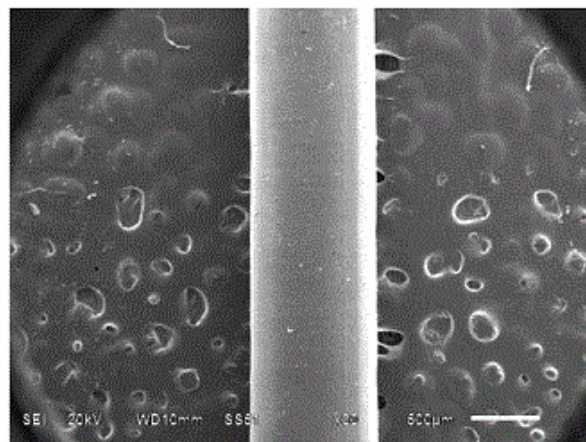
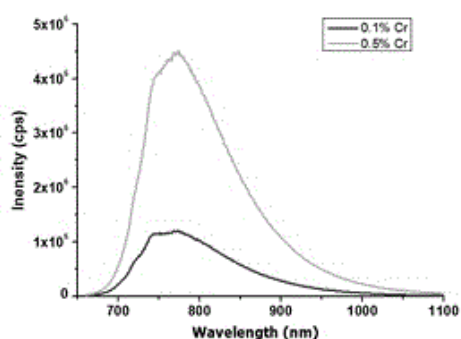
72: XU, JUN, WANG, DONGHAI, LI, NA

33: CN 31: 201910521122.8 32: 2019-06-17

54: TUNABLE LASER CHROMIUM-DOPED GADOLINIUM SCANDATE CRYSTAL AND PREPARATION METHOD THEREFOR

00: -

Provided is a tunable laser chromium-doped gadolinium scandate crystal and a preparation method therefor. The crystal has a chemical formula represented by $Gd(Sc_{1-x}Cr_x)O_3$, where in the value of x ranges from 0.00001 to 0.3. The crystal belongs to the orthorhombic crystal system, with $a=5.45$, $b=5.75$, and $c=7.93$. Edge-defined film-fed growth or Czochralski method is used, and the growth atmosphere is high-purity argon. A Cr^{3+} : $GdScO_3$ crystal with improved quality and larger size is grown. The crystal has the advantages of having appropriate mechanical properties and wide tunable laser waveband. The tuning range is between 650 nm and 1100 nm. Compared with the prior art, the chromium-doped gadolinium scandate crystal can be grown using tungsten crucible or molybdenum crucible and has the advantage of low cost compared with growth using iridium crucible.



21: 2021/06558. 22: 2021/09/07. 43: 2021/09/17
51: C30B; B28D; G02B

71: NANJING TONGLI CRYSTAL MATERIALS
RESEARCH INSTITUTE CO., LTD

72: LI, DONGZHEN, XU, JUN, WANG, DONGHAI,
LUO, PING, WANG, QINGGUO, WU, FENG, TANG,
HUILI, XU, XIAODONG

33: CN 31: 201910424254.9 32: 2019-05-21

**54: METHOD FOR PROCESSING SINGLE
CRYSTAL OPTICAL FIBER WITH UNIFORM
DIAMETER**

00: -

Provided is a method for processing a single crystal optical fiber with a uniform diameter. The single crystal optical fiber with an uniform diameter is obtained by obtaining a crystal having a length of 30-300 mm by means of a Czochralski method or another crystal growth method, successively subjecting same to processing method treatments of orientating, cutting and rounding so as to obtain a crystal bar, immersing the crystal bar in concentrated sulfuric acid and concentrated phosphoric acid at a molar ratio of (1.5-3.5) : 1, with the concentration of the concentrated sulfuric acid being 90-99.8%, and the concentration of the concentrated phosphoric acid being 60-90%, then placing same together in a muffle furnace and heating same until boiling, and setting suitable process conditions for the time and temperature; and the diameter size thereof is uniform and precise. The method has the characteristics of simple operation and easy processing, and is suitable for industrialized production.

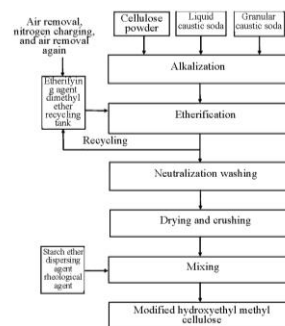
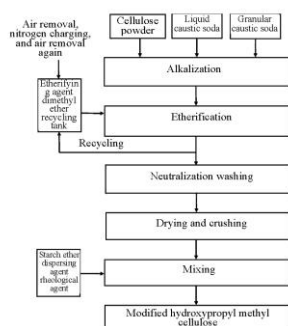
21: 2021/06579. 22: 2021/09/07. 43: 2021/10/21
51: C09J; E04B

71: SHANDONG ETON NEW MATERIAL CO., LTD
72: KUN TENG, MING ZHAO, BO TENG, QINGHUA
LI, AIMEI JIANG, JIANYU ZHAO, ZHAOWU MENG
33: CN 31: 202010657589.8 32: 2020-07-09

**54: MODIFIED HYDROXYPROPYL METHYL
CELLULOSE FOR ENHANCED CERAMIC TILE
ADHESIVE AND PREPARATION METHOD AND
APPLICATION THEREOF**

00: -

The present invention discloses a modified hydroxypropyl methyl cellulose for an enhanced ceramic tile adhesive, which is prepared from the following raw materials by mass percent: 54%-94% of hydroxypropyl methyl cellulose, 5%-40% of starch ether, 0.5%-3% of dispersing agent and 0.5%-3% of rheological agent, wherein the hydroxypropyl methyl cellulose is prepared from cellulose powder, granular caustic soda, liquid caustic soda, chloromethane and propylene oxide. A preparation method includes: (1) weighing the raw materials; (2) mixing the cellulose powder, the granular caustic soda, the liquid caustic soda, the chloromethane and the propylene oxide, carrying out etherification reaction, and then sequentially carrying out neutralization, washing, centrifugation, drying and crushing to obtain the hydroxypropyl methyl cellulose; and (3) mixing and stirring the hydroxypropyl methyl cellulose, the starch ether, the dispersing agent and the rheological agent to obtain the modified hydroxypropyl methyl cellulose.



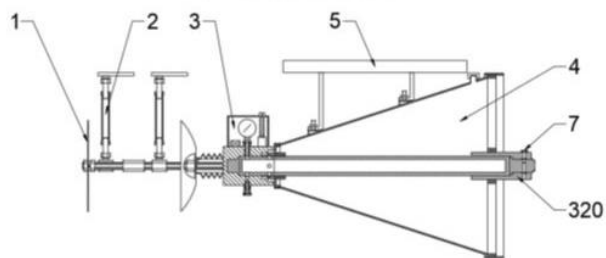
21: 2021/06580. 22: 2021/09/07. 43: 2021/10/21
 51: C09J; E04B
 71: SHANDONG ETON NEW MATERIAL CO., LTD
 72: KUN TENG, MING ZHAO, BO TENG, QINGHUA LI, AIMEI JIANG, JIANYU ZHAO, ZHAOWU MENG
 33: CN 31: 202010658478.9 32: 2020-07-09
54: MODIFIED HYDROXYETHYL METHYL CELLULOSE FOR ENHANCED CERAMIC TILE ADHESIVE AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention discloses a modified hydroxyethyl methyl cellulose for an enhanced ceramic tile adhesive, which is prepared from the following raw materials by mass percent: 54%-94% of hydroxyethyl methyl cellulose, 5%-40% of starch ether, 0.5%-3% of dispersing agent and 0.5%-3% of rheological agent, wherein the hydroxyethyl methyl cellulose is prepared from cellulose powder, granular caustic soda, liquid caustic soda, chloromethane and ethylene oxide. A preparation method includes: (1) weighing the raw materials; (2) mixing the cellulose powder, the granular caustic soda, the liquid caustic soda, the chloromethane and the ethylene oxide, carrying out etherification reaction, and then sequentially carrying out neutralization, washing, centrifugation, drying and crushing to obtain the hydroxyethyl methyl cellulose; and (3) mixing and stirring the hydroxyethyl methyl cellulose, the starch ether, the dispersing agent and the rheological agent to obtain the modified hydroxyethyl methyl cellulose.

21: 2021/06588. 22: 2021/09/08. 43: 2021/10/21
 51: A62C
 71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY
 72: SU, Chang, XIONG, Lei, ZHENG, Xiaokui
 33: CN 31: 202011210765.X 32: 2020-11-03
54: NOVEL AUTOMATIC UNDERGROUND EXPLOSION ISOLATION DEVICE WITH ADJUSTABLE OUTER COVER FOR COAL MINE
 00: -

Disclosed is a novel automatic underground explosion isolation device with an adjustable outer cover for a coal mine, and belongs to an explosion isolation device including a blast wave receiving device provided with a square blast wave receiving plate and a circular blast wave receiving plate; a front receiving rod suspension device including a support beam, an intermediate casing and a hexagonal stud; a main body assembly including an intermediate cylinder and a gas ejector pipe; an outer cover and a rear suspension device including a docking ring, an outer cover casing and a support ring, a top beam, a left support and a right support. An electric signal is transmitted by a pressure sensor, and an electromagnetic valve is driven to open an air duct to achieve a jet effect, thereby shortening response time; through the device and a 5G module, underground explosion point position data may be transmitted.



21: 2021/06589. 22: 2021/09/08. 43: 2021/10/21
51: A01H

71: ENVIRONMENTAL HORTICULTURE
RESEARCH INSTITUTE, GUANGDONG ACADEMY
OF AGRICULTURAL SCIENCES

72: LIU, JINMEI, XU, YECHUN, YE, YUANJUN,
ZHU, GENFA, TAN, JIANJUN, YOU, YI, ZHONG,
RONGHUI

**54: METHOD FOR RAPID BREEDING OF NEW
VARIETY OF CALADIUM BICOLOR**

00: -

The present invention belongs to the technical field of genetic breeding of flowers and plants, and particularly relates to a method for rapid breeding of a new variety of *Caladium bicolor*. The method of the present invention comprises: establishing a tissue culture and propagation system of a parent in a callus induction way, selecting a variation individual plant with a unique character from a progeny population, numbering the variation individual plant and detecting a relative nuclear DNA content of the variation individual plant, and if the peak position of the variation individual plant is 1.6-2.2 times that of the parent, determining the variation individual plant as an optimal individual plant of *Caladium bicolor*. Furthermore, establishing a somaclonal progeny population of the optimal individual plant, conducting multi-year multi-site test investigation, verifying the specificity, consistency and stability of the progeny population, and determining same as a new strain of *Caladium bicolor*.



21: 2021/06598. 22: 2021/09/08. 43: 2021/10/15
51: B07C

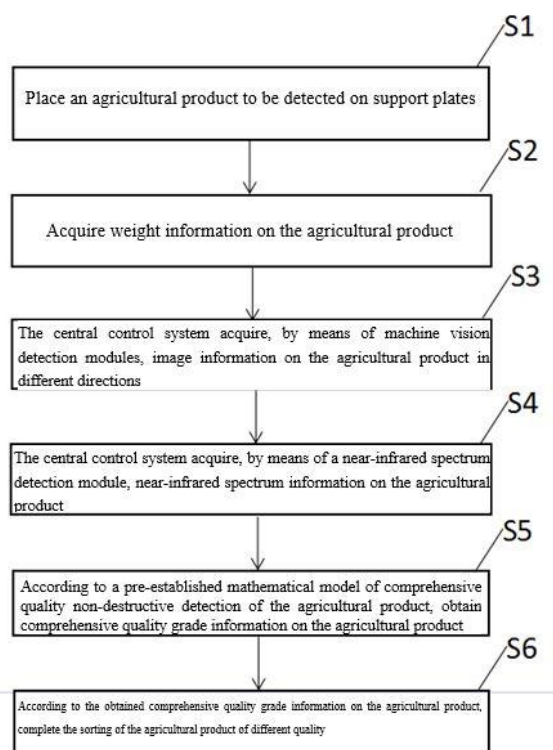
71: INSTITUTE OF QUALITY STANDARD AND
MONITORING TECHNOLOGY FOR AGRO-
PRODUCTS OF GUANGDONG ACADEMY OF
AGRICULTURAL SCIENCES

72: XU, Sai, LU, Huazhong, LIANG, Xin

**54: PORTABLE METHOD AND DEVICE FOR
RAPIDLY ACQUIRING INFORMATION ON
AGRICULTURAL PRODUCT**

00: -

Disclosed is a portable method and device for rapidly acquiring information on an agricultural product comprising: placing an agricultural product to be detected on support plates; acquiring, by means of a weighing sensor, weight information on the product; acquiring, by means of machine vision detection modules, image information on the product; acquiring, by means of a near-infrared spectrum detection module, near-infrared spectrum information on the product; processing the collected image information and near-infrared spectrum information, and according to a pre-established mathematical model of comprehensive quality non-destructive detection of the product, obtaining comprehensive quality grade information on the product; according to the comprehensive quality grade information on the product, controlling the movement position and the telescopic length of electric push rods, enabling the product of different quality grades to reach corresponding grading channels, and completing the sorting of the product of different quality.



21: 2021/06601. 22: 2021/09/08. 43: 2021/10/15
51: B07C

71: INSTITUTE OF QUALITY STANDARD AND MONITORING TECHNOLOGY FOR AGRO-PRODUCTS OF GUANGDONG ACADEMY OF AGRICULTURAL SCIENCES

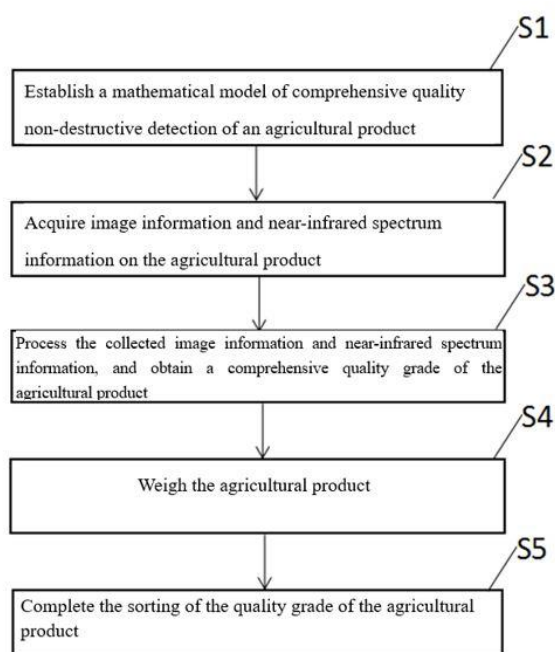
72: XU, Sai, LU, Huazhong, LIANG, Xin, QIU, Guangjun

54: MULTI-SOURCE INFORMATION FUSION PIPELINED NON-DESTRUCTIVE DETECTION METHOD AND DEVICE FOR AGRICULTURAL PRODUCT

00: -

Disclosed is a multi-source information fusion pipelined non-destructive detection method and device for an agricultural product comprising: establishing a mathematical model of comprehensive quality non-destructive detection of an agricultural product; when detected a product to be detected is conveyed to a detection box by means of a conveyor belt, obtaining, by means of a vision and a spectrum detection system, image information and near-infrared spectrum information on the product; processing the collected image information and near-infrared spectrum information, and according to a pre-established mathematical model of comprehensive quality non-destructive

detection of the product, obtaining a comprehensive quality grade of the product; weighing the product; according to the quality detection result of the product, completing, by means of a central system, the sorting of the quality grade of the product. The method and have the characteristics of a simple structure, a high degree of automation, efficiency and accuracy



21: 2021/06622. 22: 2021/09/08. 43: 2021/09/17

51: G01S; G01C; G06T

71: NANJING LES CYBERSECURITY AND INFORMATION TECHNOLOGY RESEARCH INSTITUTE CO. LTD.

72: XU, KAI, MAN, QINGSHAN, WANG, JUN, SUI, YUAN, ZHENG, HAO, ZHOU, SHISHENG

33: CN 31: 201910876479.8 32: 2019-09-17

54: METHOD FOR EXTRACTING A RADAR EFFECTIVE DETECTION AREA BASED ON REMOTE SENSING IMAGE

00: -

The present invention provides a method for extracting a radar effective detection area based on a remote sensing image. The present invention enables to extract a radar interference area and an effective detection area and eliminate a false object caused by ground clutter, such that offshore location distribution information of a radar target is visually and truly reflected, and a real basis is provided for traffic situation evaluation. Different from other

common methods for extracting an interference area or an effective detection area, the method of the present invention assists in distinguishing the type of an area of a radar detection range by adopting a remote image, so as to accurately extract an interference area (an area generated by clutters such as land and islands) and an effective detection area, such that the accuracy degrees of detection and entry are improved, and a reliable basis is provided for display of a radar target on a VTS system.



21: 2021/06650. 22: 2021/09/09. 43: 2021/10/21
51: A01C

71: Shandong University of Technology
72: WANG, Wenjun, DIAO, Peisong, CHEN, YULONG, LI, Jingyu, ZHANG, Pengfei, WEI, Maojian, GENG, DUANYANG, ZHANG, Sihao, WANG, XIANLIANG, ZHANG, XIANGCAI, ZHOU, HUA

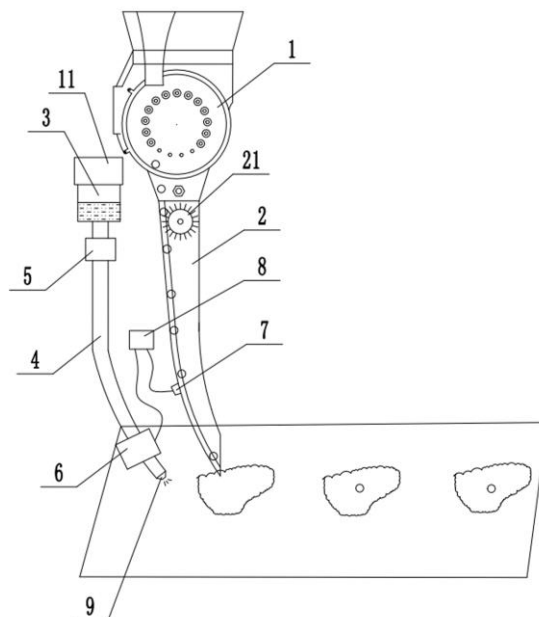
33: CN 31: 202111035976.9 32: 2021-09-06

54: A SEED BOUNCING INHIBITION DEVICE AND METHOD FOR A PRECISION PLANTER

00: -

The present invention discloses a seed bouncing inhibition device for a precision planter, including a seed-metering assembly, and further including a seed guiding mechanism and a trench interval infiltration system; the seed guiding mechanism includes a seed tube, and the upper end of the seed tube is provided with a driving mechanism to drive the seed down; the trench interval infiltration system

includes a tank for holding liquid fertilizer, the lower end of the tank is provided with a liquid transport tube, and the liquid transport tube is provided with a micro pump and a solenoid valve; the lower end of the seed tube is provided with a sensor, and both the sensor and the solenoid valve are connected to a single-chip microcontroller through a wire; the lower end of the liquid transport tube is provided with a nozzle to spray the liquid fertilizer to the ground. The seed tube in cooperation with the trench interval infiltration system restrains the seed movement during the both guiding and dropping processes, improves the uniformity of seeds, and solves the problems of disorderly seed collision, bouncing and rolling during the seed guiding and at the moment of dropping on the ground.



21: 2021/06660. 22: 2021/09/09. 43: 2021/09/30
51: F28D

71: TIWARI, Arun Kumar, GHOSH, Pradyumna, SARKAR, Jahar, TIWARI, Gaurav

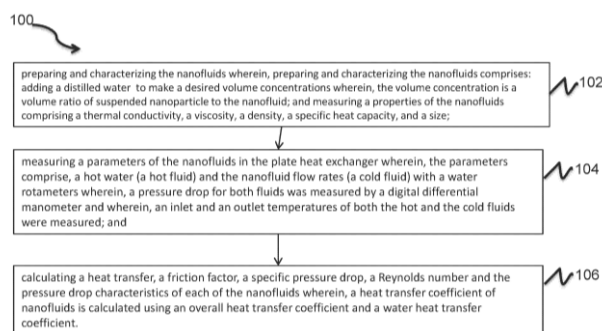
72: TIWARI, Arun Kumar, GHOSH, Pradyumna, SARKAR, Jahar, TIWARI, Gaurav

54: A METHOD AND SYSTEM FOR OPTIMIZATION OF PARTICLE CONCENTRATION LEVELS OF A VARIOUS NANOFLUIDS IN A PLATE HEAT EXCHANGER

00: -

The present disclosure relates to a method and system for optimization of particle concentration levels of a various nanofluids in a plate heat

exchanger. The method comprises: preparing and characterizing the nanofluids; measuring a parameters of the nanofluids in the plate heat exchanger wherein, the parameters comprise, a hot water (a hot fluid) and the nanofluid flow rates (a cold fluid) with a water rotameters wherein, a pressure drop for both fluids was measured by a digital differential manometer and wherein, an inlet and an outlet temperatures of both the hot and the cold fluids were measured; and calculating a heat transfer, a friction factor, a specific pressure drop, a Reynolds number and the pressure drop characteristics of each of the nanofluids wherein, a heat transfer coefficient of nanofluids is calculated using an overall heat transfer coefficient and a water heat transfer coefficient.



21: 2021/06661. 22: 2021/09/09. 43: 2021/09/30
51: G01N

71: TIWARI, Arun Kumar, SAID, Zafar, OZTOP, Hakan F., TIWARI, Gaurav

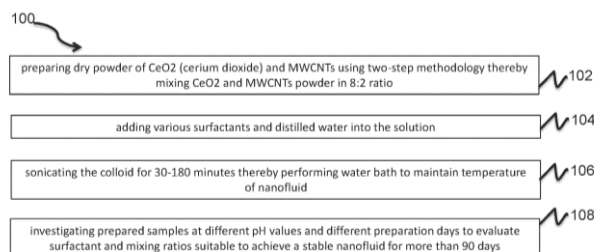
72: TIWARI, Arun Kumar, SAID, Zafar, OZTOP, Hakan F., TIWARI, Gaurav

54: A PROCESS FOR PREPARING WATER-BASED HYBRID NANOFLUID AND ANALYZING THERMAL CONDUCTIVITY

00: -

The present invention generally relates to a process for preparing water-based hybrid nanofluid and analyzing thermal conductivity comprises preparing dry powder of CeO₂ (cerium dioxide) and MWCNTs using two-step methodology thereby mixing CeO₂ and MWCNTs powder in 8:2 ratio; adding various surfactants and distilled water into the solution; sonicating the colloid for 30-180 minutes thereby performing water bath to maintain temperature of nanofluid; and investigating prepared samples at

different pH values and different preparation days to evaluate surfactant and mixing ratios suitable to achieve a stable nanofluid for more than 90 days.



21: 2021/06692. 22: 2021/09/10. 43: 2021/11/12
51: B60B; F16G

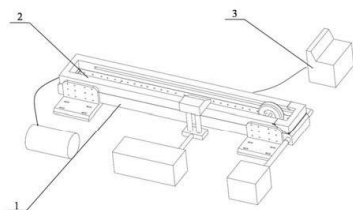
71: SHANDONG JIAOTONG UNIVERSITY

72: FANGYUAN LI, KUN JIANG, XIA WANG, ZENGLEI FENG

54: DEVICE FOR TESTING PERFORMANCE OF AUTOMOBILE SNOW CHAINS

00: -

The present invention discloses a device for testing performance of automobile snow chains. The device comprises a snow simulation device, a test wheel device and a control device; the snow simulation device comprises a simulated road; snow making equipment is arranged on a side part of the simulated road, and is used for making snow and laying the snow on the simulated road; one end of the simulated road is connected with circulating water equipment; the circulating water equipment provides a water source for the snow making equipment and recovers water on the simulated road; the test wheel device comprises a guide rail assembly arranged on the simulated road; a test wheel assembly is arranged on the guide rail assembly in a matching manner and can reciprocate along the guide rail assembly; and both the snow simulation device and the test wheel device are connected with the control device.



21: 2021/06693. 22: 2021/09/10. 43: 2021/11/12
51: A23L

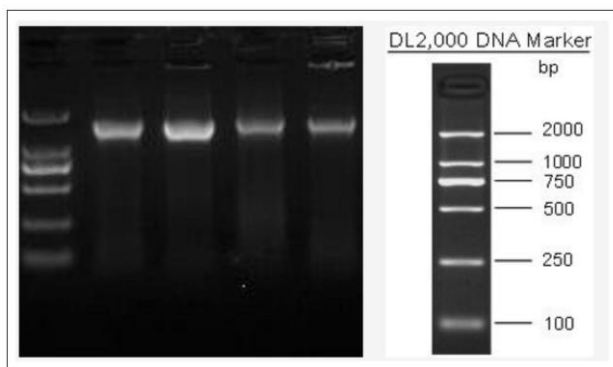
71: JILIN AGRICULTURAL UNIVERSITY, JILIN PROVINCE TIANYEQUAN BREWING CO., LTD.

72: LIU, JUNMEI, SHENG, ZHILI, WANG, MENGZHU, LIU, GUOYAN, ZHAO, YUQIAN, GUAN, HUI, YUAN, YANNI, LI, ZHUOWEI, DAI, WEICHANG, LI, XUE, CHEN, DANDAN, SHEN, HONGYANG, ZHAO, YANG, WANG, HUAN, DENG, WEI, WANG, MINGHUI

54: SOYBEAN SAUCE BASED ON BACILLUS SUBTILIS NATTO MUTANT AS DOMINANT STRAIN AND PREPARATION METHOD

00: -

The present invention relates to a soybean sauce based on *Bacillus subtilis* natto mutant as a dominant strain and a preparation method, and belongs to the technical field of seasoning preparation. High-quality soybeans are selected as raw materials. A composite strain formed by *Aspergillus oryzae* 3.042, *Bacillus subtilis* natto mutant BNM1, *Bacillus subtilis*, *Bacillus velezensis*, *Micrococcus* salt-tolerant tetragenus, *Bacillus coagulans* and salt-tolerant yeast is used for three-stage fermentation, to enhance the special aroma of the traditional farmer sauce and make the soybean sauce have golden color, obvious umami smell and endless aftertastes. The present invention is rich in nattokinase and vitamin K while preserving the nutrition of the soybean sauce, has the effect of relieving hyperglycemia, hypertension and hyperlipemia and dissolving thrombosis, also improves production capacity, shortens the production cycle, and has good social benefits.



21: 2021/06701. 22: 2021/09/10. 43: 2021/10/28
51: C12N

71: QINGDAO AGRICULTURAL UNIVERSITY, SHANDONG LYUHE AGRICULTURAL COMPREHENSIVE DEVELOPING CO., LTD.

72: SONG, Wenwen, ZHANG, Qingtao, DUAN, Fangmeng

54: APPLICATION OF KEY ENZYME GENE IN BRASSINOSTEROIDS BIOSYNTHESIS FROM ZEA MAYS TO IMPROVING PLANT STRESS RESISTANCE

00: -

Disclosed is an application of a key enzyme gene in brassinosteroids biosynthesis from *Zea mays* to enhancing plant stress resistance, and belongs to the technical field of molecular biology. A nucleic acid sequence of the key enzyme gene in brassinosteroids biosynthesis from *Zea mays* is shown as SEQ ID NO:1, and a sequence of a coded protein thereof is shown as SEQ ID NO:2. An overexpression vector of the gene is constructed to be overexpressed in a plant through agrobacterium transformation, which may significantly improve stress resistance of the plant, and is of great significance for improvement of quality and a yield of the plant.

21: 2021/06702. 22: 2021/09/10. 43: 2021/10/28
51: C12N

71: QINGDAO AGRICULTURAL UNIVERSITY
72: SONG, Wenwen, ZHANG, Yu, Zhang, Jie

54: APPLICATION OF SPINACH SOCYP92A1 GENE TO ENHANCING PLANT STRESS RESISTANCE

00: -

Disclosed is an application of a spinach SoCYP92A1 gene to enhancing plant stress resistance, which belongs to the technical field of molecular biology. A nucleic acid sequence of the spinach SoCYP92A1

gene is shown as SEQ ID NO:1, and a sequence of a coded protein thereof is shown as SEQ ID NO:2. An overexpression vector of the gene is constructed to be overexpressed in a plant through agrobacterium transformation, which may significantly improve salt tolerance of the plant, and is of great significance for improvement of quality and a yield of the plant.

21: 2021/06703. 22: 2021/09/10. 43: 2021/10/28
51: G01N
71: QINGDAO AGRICULTURAL UNIVERSITY,
QINGDAO LIBANG GAODE PEST CONTROL CO.,
LTD.

72: WANG, Junping, MA, Ruyu, RONG, Shuli,
ZHANG, Yan, WANG, Zihao

**54: PREPARATION METHOD OF NEMATODE
SLIDES FOR MORPHOLOGIC OBSERVATION**

00: -

Disclosed is a method for preparing nematode slides for morphological observation, belonging to the technical field of biological slide preparation. The method of this patent is that after the nematodes are killed, the concentrated nematode liquid is sucked and dropped on the glass slides to which a TAF fixing agent is added to fix the nematodes. After fixation, a diluted glycerol solution is added to the glass slides with the nematodes to make water and ethanol volatilize naturally, and the nematodes are preserved in glycerol on the glass slides. The preparation method of this patent directly completes the fixation and other operations of the nematodes on the glass slides. At the same time, the nematodes have a low deformation rate and a high preservation rate, which is convenient for subsequent microscopic observation.

21: 2021/06704. 22: 2021/09/10. 43: 2021/10/28
51: C07K; C12P
71: QINGDAO AGRICULTURAL UNIVERSITY
72: ZHU, Yinglian, ZHAO, Shang, ZHENG, Wenbin,
YANG, Qingli, XU, Zhiqiang
33: CN 31: 2021108164245 32: 2021-07-20

**54: METHOD FOR PREPARING FOOD-DERIVED
ACE INHIBITORY PEPTIDES FROM ZEIN BY
SWEEP FREQUENCY ULTRASOUND COUPLING
ENZYMOLYSIS**

00: -

The invention discloses a method for preparing a food-derived ACE inhibitory peptide by sweeping

ultrasonic coupling enzyme hydrolysis, which belongs to the technical field of preparing a food-derived ACE inhibitory peptide. The method of the invention for preparing foodborne ACE inhibitory peptide by sweeping ultrasound coupled enzyme-hydrolysis is that zein is processed by sweeping ultrasound, and then the protease is hydrolyzed. The final prepared food-derived ACE inhibitory peptide had a high ACE inhibitory activity, up to 81.77%; Compared with traditional enzymatic hydrolysis, ACE inhibitory peptide activity increased by 42.35% , and compared with traditional ultrasound-assisted enzymatic hydrolysis, ACE inhibitory peptide activity increased by 26.20% . Therefore, the foodborne ACE inhibitory peptide prepared by the method of the invention has a wide application prospect in the preparation of drugs, health products, food or preparation with antihypertensive effect.

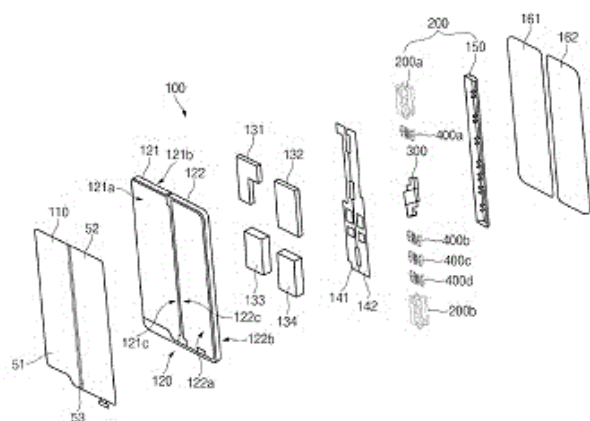
21: 2021/06746. 22: 2021/09/13. 43: 2021/09/17
51: G06F
71: SAMSUNG ELECTRONICS CO., LTD.
72: KIM, JONGYOON, KIM, JUNGJIN, YOO,
CHUNGKEUN, KANG, JONGMIN, LEE, SUMAN,
LEE, HYUNGGEUN

33: KR 31: 10-2019-0019560 32: 2019-02-19
33: KR 31: 10-2019-0062226 32: 2019-05-28

**54: HINGE MODULE INCLUDING DETENT
STRUCTURE AND FOLDABLE ELECTRONIC
DEVICE INCLUDING THE HINGE MODULE**

00: -

A foldable electronic device includes a foldable housing including a hinge structure, a first housing structure, a second housing structure, and a hinge housing, a flexible display, and a first detent structure. The first detent structure includes a first member connected to the first housing structure, a second member connected with the second housing structure, a first ball and a second ball disposed in the first member, and an elastic member that is located in the first member between the first ball and the second ball and that presses the first ball and the second ball outward.



21: 2021/06808, 22: 2021/09/14, 43: 2021/09/21

51: A01N: A01G: C05D

71: ORO AGRI INC.

72: BERG, PAULO SERGIO, CAVALCANTE, LUIS
CARLOS CALDEIRA, ASSUNÇÃO, MARLON

33: US 31: 62/807,654 32: 2019-02-19

**54: AGRICULTURAL COMPOSITIONS FOR USE
IN CONTROLLING AND/OR TREATING DISEASE
OF VASCULAR TISSUE IN PLANTS**

00: -

This invention relates to agricultural compositions and/or adjuvants and/or tank mixes including tannic acid to control and/or treat and/or reverse symptoms of diseases or deficiencies related to plants, particularly to vascular and other tissues in plants.

The invention also includes methods for controlling and/or treating vascular disease in plants.

21: 2021/06828. 22: 2021/09/17. 43: 2021/10/20

51: A01G

71: Hulunbuir Institute of Agriculture and Animal Husbandry, Institute of Crop Science, Chinese Academy of Agricultural Sciences

72: Sun Bincheng, Qiu Lijuan, Sun Rujian, Zhang Qi, Hu Xingguo, Guo Rongqi, Chai Shen, Shao Yubin, Hong Huilong, Wang Jingshun, Yu Ping, Zhang Xiaoli, Bi Xiuli, Li Li, Bi Xiaowei, Guo Bingfu, Gao Huawei

54: BREEDING TECHNIQUE FOR FOUR GENERATIONS A YEAR OF NORTHERN SPRING SOYBEAN IN NORTHEAST ALPINE REGION

00: -

The invention discloses a breeding technique for four generations a year of northern spring soybean in northeast alpine region, which comprises indoor two-season breeding process and greenhouse two-season breeding process, and is characterized in

that the indoor two-season breeding process means the first-season breeding process and the second-season breeding process, and the greenhouse two-season breeding process means the third-season breeding process and the fourth-season breeding process. The northern spring soybean breeding method can carry out generation-adding in four seasons, which not only has low breeding cost, but also can rapidly breed and greatly improve breeding efficiency. Soybean seeds are irradiated by 60Co radiation source first, which improves the disease resistance of seeds and promotes the germination of seeds.

21: 2021/06829, 22: 2021/09/17, 43: 2021/10/20

51: A01G

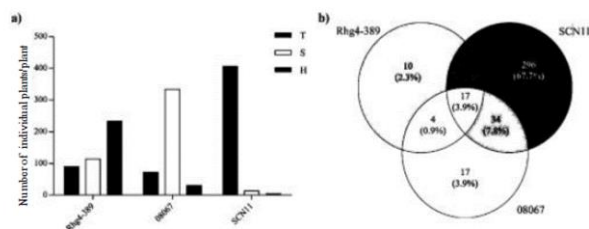
71: Institute of Crop Science, Chinese Academy of Agricultural Sciences

72: Qiu Lijuan, Ye Junhua, Liu Zhangxiong

54: BREEDING METHOD OF MULTI-RESISTANCE GENE POLYMERIZED SOYBEAN AND APPLICATION THEREOF

00: -

The invention provides a breeding method of multi-resistance gene polymerized soybean excellent germplasm and application thereof, belonging to the field of soybean breeding. The breeding method of multi-resistance gene polymerized soybean excellent germplasm includes crossing soybean resistant to northeast mosaic virus with salt-tolerant soybean; crossing F with soybean resistant to soybean cyst nematode; genomic DNA of F population is extracted and detected by molecular markers of Rhg4, SALT3 and SCN11 respectively; selecting two F single plants homozygous with Rhg4, SALT3 and SCN11 molecular markers and three double-resistant-genotypes single plants to propagate into plant rows to obtain F, F and F population respectively; F and F population are detected by the molecular marker method, and plants with molecular marker resistance types are selected as multi-resistance gene polymerized soybean excellent germplasm. A strain with three resistance genotypes and excellent agronomic traits is selected, which provides resistant materials for soybean breeding.



21: 2021/06830. 22: 2021/09/17. 43: 2021/10/20
51: C12Q

71: Institute of Crop Science, Chinese Academy of Agricultural Sciences

72: Qiu Lijuan, Guan Rongxia, Liu Xiexiang, Guo Xiaoyang, Zhao Tingting, Lu Yipeng

54: METHOD FOR HIGH-THROUGHPUT MULTIPLEX PCR OF SOYBEAN SSR MARKERS

00: -

The invention discloses a method for high-throughput multiplex PCR of soybean SSR markers, and relates to the technical field of DNA markers in molecular biology, which comprises a method for high-throughput multiplex PCR of soybean SSR markers, primer set, kits and the application. The multiple PCR complex amplification system of soybean SSR markers based on the capillary four-color fluorescence detection system is of great significance for building a high-throughput automatic detection platform, improving SSR marker detection efficiency, saving detection cost, fingerprint construction and variety identification.

71: Hangzhou Yingshili Biotechnology Limited Company

72: XIA CHEN, TU YOUYING, ZHAO HANGYE

54: A KIND OF OINTMENT CONTAINING TEA POLYPHENOLS AND TEA SEED OIL FOR PREVENTING INFANTILE DIAPER RASH

00: -

The invention provides a kind of ointment containing tea polyphenols and tea seed oil for preventing infantile diaper rash, and relates to the field of diaper rash. The ointment containing tea polyphenols and tea seed oil for preventing infantile diaper rash comprises the following components: tea polyphenol compound, natural tea seed oil, thickening agent, cetyl alcohol and deionized water. The ointment also comprises the following preparation methods: Step 1: solution preparation. Step 2: adding substances. Step 3: concentration and sizing. Step 4: packaging. By using low-concentration tea polyphenols, natural tea seed oil, thickening agent, cetyl alcohol and other substances, there will be no great stimulation, which makes infants more comfortable, the ointment can not only be use in medical treatment, but also can be used for protection. Tea polyphenols can effectively influence the proliferation of TNF-Alpha and TIL-2, using tea polyphenols can inhibit the activity of inflammation in the reaction process and effectively preventing and healing eczema.

21: 2021/06832. 22: 2021/09/17. 43: 2021/10/20
51: C12N

71: Qingdao Agricultural University

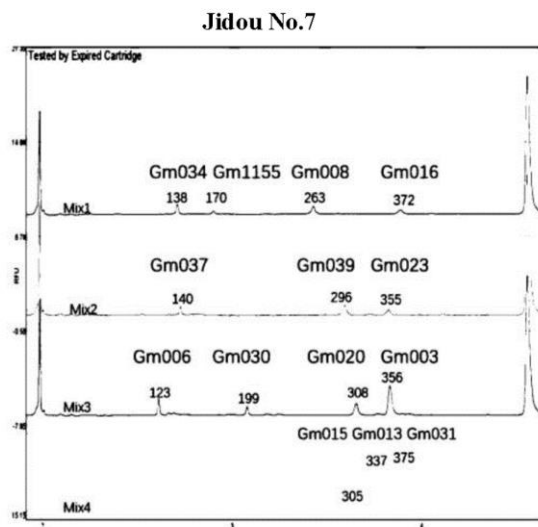
72: Dong Huansheng, Zhang Yanbin, Wang Baiyang

54: PREPARATION METHOD OF NOVEL GOAT SPERM AGONIST IN VITRO

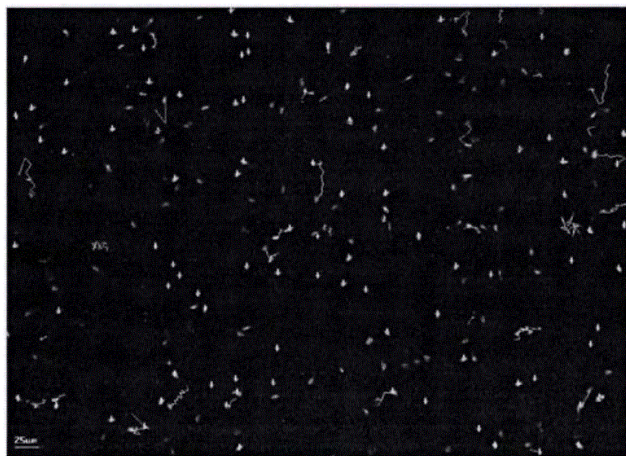
00: -

The invention relates to a preparation method of a novel goat sperm agonist in vitro, which is characterized by comprising the following steps: (1) cleaning adult goat testis; (2) cutting the white membrane of the testis; (3) clamping tissues with tweezers and washing the tissues; (4) adding DMEM basic culture medium after digestion, (5) filtering, centrifuging, adding buffer, centrifuging; (6) adding DMEM basic culture medium, taking cell suspension and centrifugally collecting cells; (7) adding PBS, after centrifugation, adding DMEM basic culture medium for culture; (8) subculturing cells, and storing cells after culturing for 8 h to obtain basic solution I; (9) adding male goat serum (EGS),

21: 2021/06831. 22: 2021/09/17. 43: 2021/10/20
51: A61K



calcium ionophore (IA), caffeine, pentoxifylline (PF), 17 alpha-20 beta- dihydroxyprogesterone (DHP) and heparin into DMEM basic culture medium, and fully mixing above substances to obtain basic solution II; (10) mixing the basic solution I : II in the ratio of 5 : 1 to obtain a novel goat sperm agonist in vitro. The invention has the advantages of good application effect, low cost and easy processing and production.



21: 2021/06833. 22: 2021/09/17. 43: 2021/10/20
51: A23L

71: Hebei University of Science and Technology
72: Hao Jianxiong, Zhao Dandan, Rao Huan, Hu Gaoshuang, Chen Qijia

54: GERMINATED MILLET FOOD AND PREPARATION METHOD THEREOF

00: -

The invention discloses a germinated millet food, which comprises the following raw materials in parts by weight: 10-70 parts of germinated millet flour, 10-30 parts of wheat flour, 5-20 parts of sugar, 2-10 parts of oil, 0-2 parts of yeast powder and 0.5-2 parts of salt. The invention also provides a production method of the product, which is simple and easy to operate. The germinated millet food provided by the technical scheme of the invention has the advantages of invigorating stomach, promoting digestion, enhancing appetite, fluffy and delicate taste, and no food pigment or preservative is added; the finished product retains the unique nutritional value of millet and millet bud, has rich nutrition and health care effects, and improves the nutritional functionality of traditional millet food products. The product is beneficial to fill the market gap of related products and promote the application of high value-added products.

21: 2021/06834. 22: 2021/09/17. 43: 2021/10/20
51: A45C; B62B

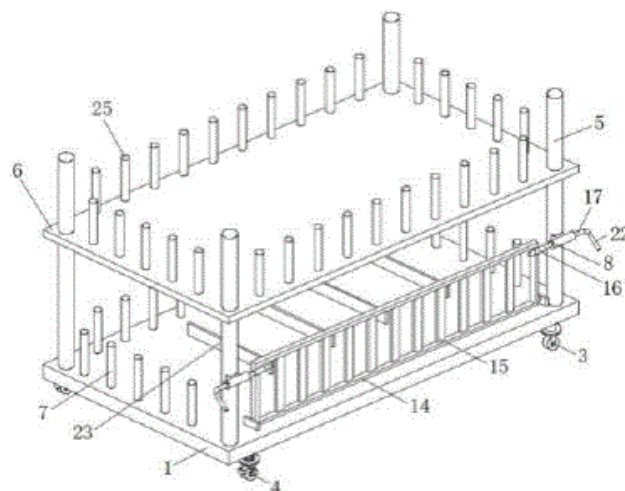
71: Central South University of Forestry and Technology

72: Yang Mei

54: LUGGAGE TROLLEY FOR TOURIST HOTEL

00: -

The invention discloses a luggage trolley for a tourist hotel, which comprises a base, wherein four mounting blocks are fixedly installed at the bottom of the base, and damping mechanisms are fixedly installed at the bottoms of the four mounting blocks, wherein the bottoms of the two damping mechanisms are fixedly provided with directional wheels, and the bottoms of the other two damping mechanisms are fixedly provided with locking mecanum wheels; four support columns are fixedly installed on the top of the base, and a support plate is fixedly connected among the four support columns. According to the invention, the base, the mounting block, the directional wheel, the locking mecanum wheel, the telescopic link, the connecting block and the damping spring are used cooperatively, so that after the whole vehicle body is hit, the purpose of buffering and damping the base is realized through the cooperation between the telescopic link and the damping spring; through setting the directional wheel and locking mecanum wheel, the stability of luggage trolley in the turning process is improved when the whole car body is pushed to turn, and the situation that the front of the car is not controlled will not occur.



21: 2021/06835. 22: 2021/09/17. 43: 2021/10/20

51: G06F

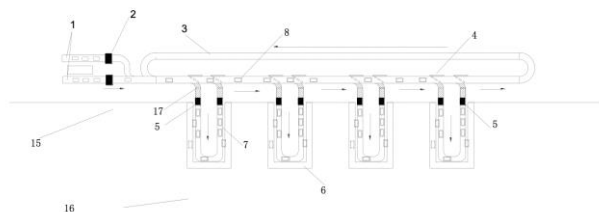
71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: JIA, Shun, HOU, Tianyou, JIE, Xiaoming, WANG, Zhiqiang, WANG, Shang, ZHANG, Wen, MIN, Xiangpeng, CHEN, Hong, ZHAO, Jiali, ZHOU, Guangfeng, GUAN, Yihao

54: A SEAL-TYPE HIGH-SPEED TRANSPORTATION AND ACCURATE INFO-PUSHING UNIT APPLIED FOR BAGGAGE CHECK-IN AT THE AIRPORT AS WELL AS THE METHOD AND THE SYSTEM THEREOF

00: -

This invention provides a seal-type high-speed transportation and accurate info-pushing unit applied for baggage check-in at the airport as well as the method and the system thereof. The unit includes: baggage identification device, passenger information receiving device, and baggage information control center; wherein, the baggage identification device is used to identify the weight, shape and size information of baggage, and send the information to the baggage information control center. The baggage information control center is used to assign a specific location information to the baggage according to the weight, shape and size information of the baggage. The location information includes the container number corresponding to the baggage, the number of layers corresponding to the container number, and the cabinet number corresponding to the number of layers. The passenger information receiving device is used to receive the location information sent by the baggage information control center. This invention avoids passive baggage identification and mistaken baggage taking, thus improving the airport service quality.



21: 2021/06836. 22: 2021/09/17. 43: 2021/10/20

51: F16D

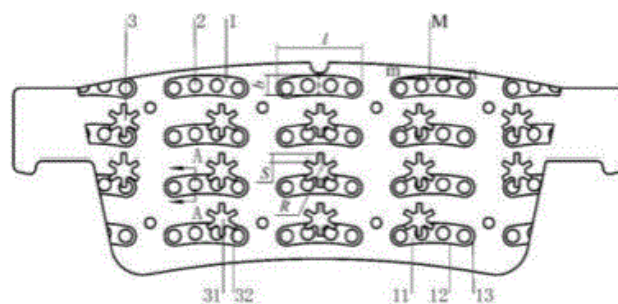
71: Jilin University

72: Ma Yunhai, Yuan Shengwang, Zhang Qifeng, Cao Feipeng, Chen Zhanling, Gao Fuhui, Wan Jianlin, Han Mingxing

54: BIONIC BRAKE PAD BACKBOARD WITH HIGH ADHESION

00: -

A bionic brake pad backboard with high adhesion belongs to the technical field of brake pads, and comprises bionic arc-shaped protrusions, hydrophobic pits and bionic heat dissipation holes; the arc-shaped protrusions are arrayed on the contact surface between the backboard and the friction material, the hydrophobic pits are located on the convex surfaces of the arc-shaped protrusions, and the bionic heat dissipation holes are arrayed and penetrate through the backboard. The bionic heat dissipation hole array can transfer and dissipate friction heat well, and the bionic structure still has high adhesion to friction materials in high temperature environment.



21: 2021/06837. 22: 2021/09/17. 43: 2021/10/20

51: G06K

71: Hunan Institute of Science and Technology, Hetaida Technology Co., Ltd

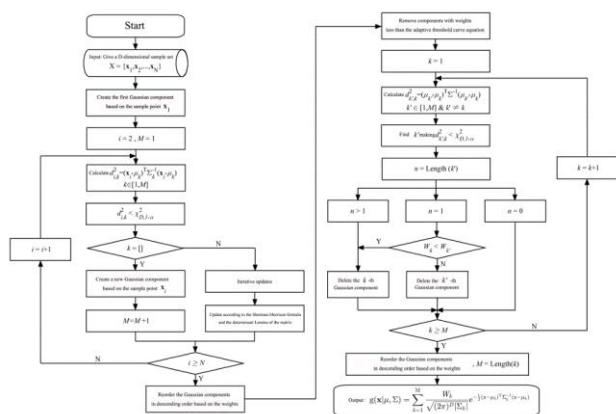
72: Sun Shuping, Tong Yaonan, Yang Haitao, Cao Zhiqi, Chen Zhenguang

54: MODIFIED GAUSSIAN MIXTURE MODEL METHOD FOR PATTERN RECOGNITION AND STATISTICAL MODELING

00: -

The invention discloses a modified Gaussian mixture model method for pattern recognition and statistical modeling, which relates to the technical field of pattern recognition and statistical modeling; firstly, collecting the target feature data and creating the first feature Gaussian component based on the first data point of the feature data set; secondly, calculating the squared Mahalanobis distance between the data points and each of the current feature Gaussian components based on the sequence of the feature data points, and creating or iteratively updating the existing feature Gaussian components using the Mahalanobis distance as a

criterion; lastly, removing spurious feature Gaussian components based on an adaptive threshold curve combined with the Mahalanobis distance threshold to obtain an objective function; the modified Gaussian mixture model method for pattern recognition and statistical modeling described in the present invention proposes an innovative adaptive threshold algorithm to remove the spurious feature Gaussian components, which in turn modifies the Incremental Gaussian Mixture Model again to achieve pattern recognition and statistical modeling of the target features.

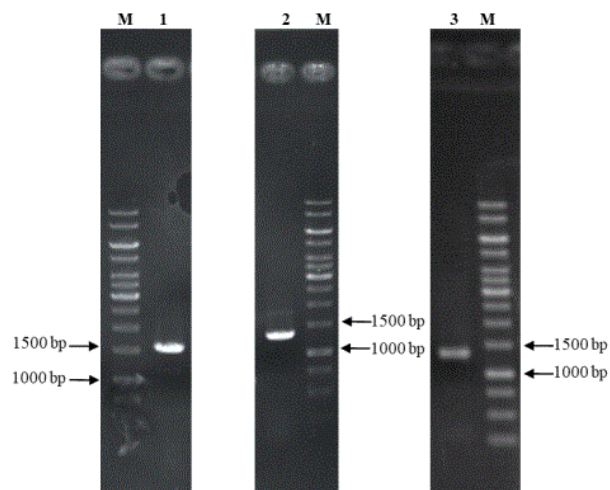


21: 2021/06839. 22: 2021/09/17. 43: 2021/10/20
51: C12N
71: Tianjin University of Science and Technology
72: WANG, Zhengxiang, NIU, Dandan, TIAN, Kangming
33: CN 31: 202011051056.1 32: 2020-09-29
54: SPECIAL ENZYME FOR GALACTOOLIGOSACCHARIDE PRODUCTION AS WELL AS PREPARATION AND APPLICATION THEREOF

00: -

The invention belongs to the technical field of enzyme engineering, and particularly relates to lactase for generating galactooligosaccharide as well as preparation and an application of the lactase. According to the invention, lactase (BgID305 derived from *Bacillus circulans* B2301 and BgID derived from *Bacillus circulans* ATCC 31382) molecules from two sources are taken as the basis for molecular evolution, so as to obtain new lactase enzyme molecules with high galactooligosaccharide synthesis efficiency and good expression performance; the high-producing strain lactase is further constructed, the lactase can be efficiently

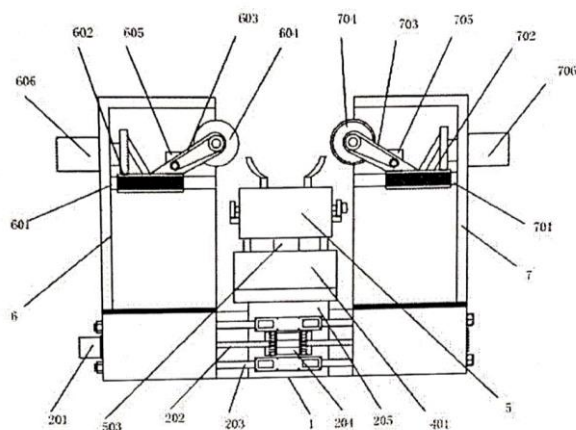
synthesized during the submerged fermentation, and the enzyme molecule is secreted into the culture medium, the high-activity enzyme preparation is directly prepared from the fermentation supernatant, and the lactase expression level can achieve 2208 U/mL; the fermentation manufacturing cost of lactase is reduced, the fermentation manufacturing process is simplified, and the quality of the lactase preparation is improved.



21: 2021/06840. 22: 2021/09/17. 43: 2021/10/20
51: C08K; C08L; F16L
71: Anhui jielante New Material Co., Ltd
72: Junfeng Liu, Hongwei Li, Yin Fu, Lili Mei, Xinyan Teng, Weiheng Liu, Xiangrui Hou
33: CN 31: 202011172939.8 32: 2020-10-28
54: HIGH-MODULUS IMPACT-RESISTANT HDPE DOUBLE-WALL CORRUGATED PIPE AND PREPARATION METHOD THEREOF
00: -

The invention discloses a high-modulus impact-resistant HDPE double-wall corrugated pipe and a preparation method thereof. The high-modulus impact-resistant HDPE double-wall corrugated pipe comprises the following raw materials: high-density polyethylene, high-modulus PP, HDPE stiffening masterbatch, HDPE toughening masterbatch, polyester modified acrylic resin, siloxane modified acrylic resin, modified color masterbatch, nano calcium carbonate, modified talcum powder, glass fiber, titanate coupling agent, antibacterial agent, plasticizer and antioxidant. High-density polyethylene and high-modulus PP are used as matrixes, HDPE stiffening masterbatch and HDPE toughening masterbatch are added to serve as

preparation base materials of the high-modulus impact-resistant HDPE double-wall corrugated pipe, the HDPE stiffening masterbatch and the HDPE toughening masterbatch serve as "rigid particles", the high-density polyethylene is modified through modified talcum powder to form strong chemical bonds, in combination with the layered structure characteristics of the talcum powder, the impact strength of the high-density polyethylene matrix is increased while the rigidity is increased, and the effects of increasing the rigidity and maintaining the toughness are achieved.



21: 2021/06841. 22: 2021/09/17. 43: 2021/10/20
51: B24B

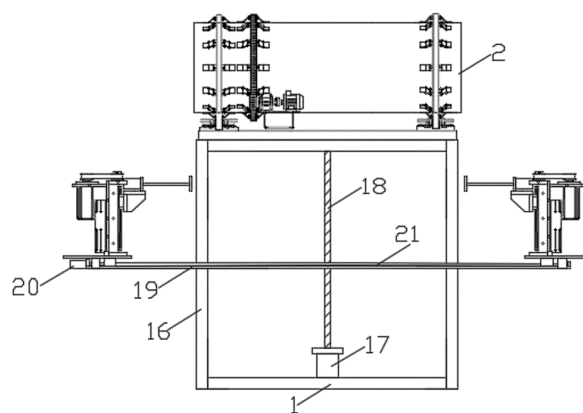
71: Anhui jielante New Material Co., Ltd
72: Junfeng Liu, Wenjun Zhou, Xuedong Pan,
Xinyan Teng, Lili Mei, Weiheng Liu, Xiangrui Hou
33: CN 31: 202011181576.4 32: 2020-10-29

54: BURIED ORGANIC RIGIDITY-REINFORCED TOUGHENED ALLOY WINDING STRUCTURE WALL PIPE AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a buried organic rigidity-reinforced toughened alloy winding structure wall pipe and a preparation method thereof, the alloy winding structure wall pipe prepared in the present invention has obvious advantages in low-temperature toughness, and at the same time, the alloy winding structure wall pipe, which is prepared by adjusting the content of EVA in the formula, selecting EVA with specific vinyl acetate content and melt index and adjusting the mesh number of wood flour, has good rigidity, high ring stiffness and strong creep resistance, and does not deform due to gravity

during the long-term use, thereby prolonging the service life of the product, and according to the test based on GB/T 9647-2015, the ring stiffness of the buried organic rigidity-reinforced toughened alloy winding structure wall pipe is SN8, the grinding device of the present invention can grind both sides of the alloy winding structure wall pipe at the same time, which improves the efficiency of grinding and reduces a movement stroke of the two grinding discs, thereby shortening the grinding time required for grinding the alloy winding structure wall pipe and achieving high grinding efficiency.



21: 2021/06842. 22: 2021/09/17. 43: 2021/10/20
51: B26D

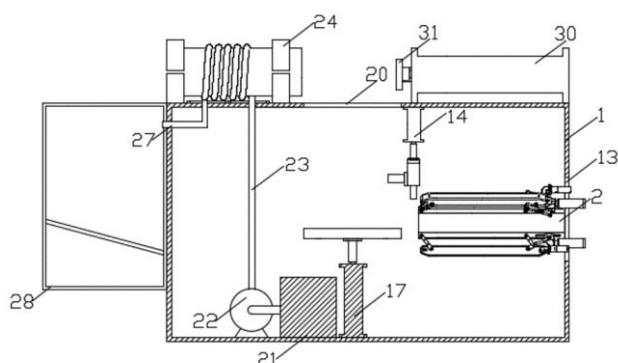
71: Anhui jielante New Material Co., Ltd
72: Junfeng Liu, Xiangrui Hou, Weiheng Liu, Yin Fu,
Xuedong Pan, Lili Mei, Xinyan Teng
33: CN 31: 202011172931.1 32: 2020-10-28

54: BURIED ORGANIC RIGIDITY-REINFORCED TOUGHENED ALLOY PIPE AND PREPARATION METHOD THEREOF

00: -

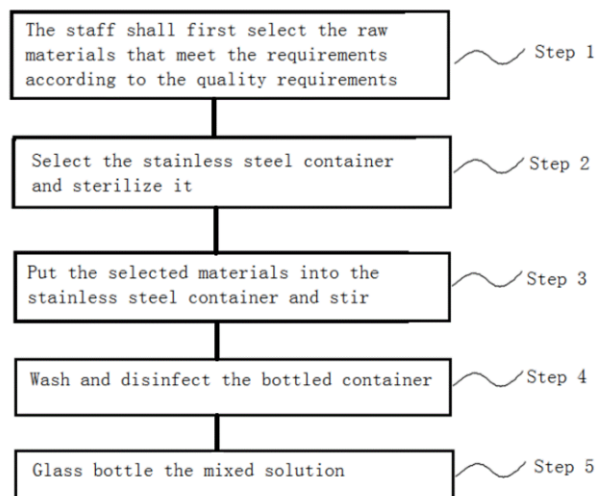
The present invention discloses a buried organic rigidity-reinforced toughened alloy pipe and preparation method thereof. According to the present invention, nano-zinc oxide whiskers, vinylsilane coupling agent and graphene are combined, and vinylsilane coupling agent and nano-zinc oxide whiskers are evenly dispersed on the surface and between the layers of graphene, thereby improving surface properties of graphene, effectively facilitating the dispersion of nano-zinc oxide whiskers and graphene, and preventing their agglomeration, and the interaction with high-density polyethylene resin improves the compatibility

between systems, improves the mechanical properties, toughness and rigidity of the alloy pipe, increases the carbon formation amount of the alloy pipe, and improves the thermal stability of the alloy pipe, and according to the measurement based on GB/T 1843-2008, the notched impact strength of the buried organic rigidity-reinforced toughened alloy pipe is 6.3-6.6 KJ/m².



21: 2021/06843. 22: 2021/09/17. 43: 2021/10/20
51: A61K
71: Jiangxi Wenxu Biological Technology Co., Ltd.
72: ZHOU, Zhixu, XIE, Xinwen
**54: MASTITIS LINIMENT AND PREPARATION
METHOD THEREOF**
00: -

The invention discloses a mastitis liniment, which is composed of 70% borneol essential oil, 10% Holly oil, 5% turpentine oil, 5% clove oil and 10% Litsea cubeba seed oil; The invention relates to a preparation method of mastitis liniment. The staff first selects the required borneol essential oil, Holly oil, turpentine oil, clove oil raw materials and Litsea cubeba seed oil according to the quality requirements; The staff selects a stainless steel container; The staff put 70% borneol essential oil into the stainless steel container, then put 10% Holly oil, 5% turpentine oil, 5% clove oil and 10 Litsea cubeba seed oil into the stainless steel container, and stir with a stirring rod to make each solvent dissolve each other quickly; After the glass bottle is soaked dry, the staff put it into the high-temperature sterilization tank for anti-virus sterilization; The staff sealed the glass bottle. The Litsea cubeba oil has a very strong and pleasant lemon flavor, and has the functions of anti-inflammatory, detumescence and pain relief.



21: 2021/06845. 22: 2021/09/17. 43: 2021/10/20
51: A01H

71: Zhanjiang Sugarcane Research Center,
Guangzhou Sugarcane Research Institute
72: GUAN, Jinyan, TAN, Jiana, LUO, Qingwen,
LUO, Jianpiao, WEN, Mingfu, XU, Yuchan, HUANG,
Haiying

33: CN 31: 202011502109.7 32: 2020-12-17

54: TISSUE CULTIVATE AND RAPID PROPAGATION METHOD OF CALADIUM BICOLOR APPLICABLE FOR FACTORY PRODUCTION

00: -

The present disclosure belongs to the field of tissue cultivate technology. It is a research method applicable for industrial production tissue cultivating and rapid propagation based on two years of experimental research and production based on a new variety of *Caladium bicolor* imported from Thailand. It has robust operability and is fully applicable for guiding production. The present disclosure establishes for the first time a complete set of rapid propagation methods with high induction rate and proliferation multiples applicable for industrialized production of induction, proliferation, rooting and smelting seedlings, forming a batch and rapid propagation situation, and by controlling the proliferation generation and cultivate hormones, the concentration and the ratio are changed with the change of algebra to ensure the stability, vitality and proliferation coefficient of the seedlings, and increase the yield and quality.



21: 2021/06846. 22: 2021/09/17. 43: 2021/10/20

51: A61B

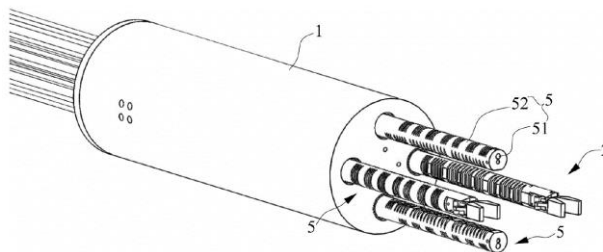
71: Shenzhen Institute of Geriatrics, Wu Zhengzhi

72: Wu Zhengzhi, Liu Quanquan, Wang Chunbao, Duan Lihong, Zhang Xin, Li Weiping, Sun Tongyang, Hou Anxin, Li Weiguang, Shi Qing, Lin Zhuohua, Shang Wanfeng, Shen Yajing

54: MINIMALLY INVASIVE SURGERY ROBOT WITH DOUBLE ENDOSCOPES AND OPERATION METHOD THEREOF

00: -

This invention provides minimally invasive surgery robot with double endoscopes and operation method thereof, which comprises minimally invasive robot hand structure, control system and an operation end, wherein the minimally invasive robot hand structure comprises fixed part, two endoscope arms and two robots. The fixed part is provided with four through holes, and at least two of the through holes are oppositely arranged. The endoscope arm comprises an endoscope arm body and an endoscope positioned at the outer end of the endoscope arm body. The manipulator is connected with the operation end in a one-to-one correspondence through the control system, and the manipulator and the endoscope arm are arranged in different through holes. Double endoscopes can be switched to opposite viewing angles, and then connected with corresponding robots in combination with the control system, so that the operator can always move forward with common hands, and the operation is convenient.



21: 2021/06855. 22: 2021/09/17. 43: 2021/10/20

51: C02F

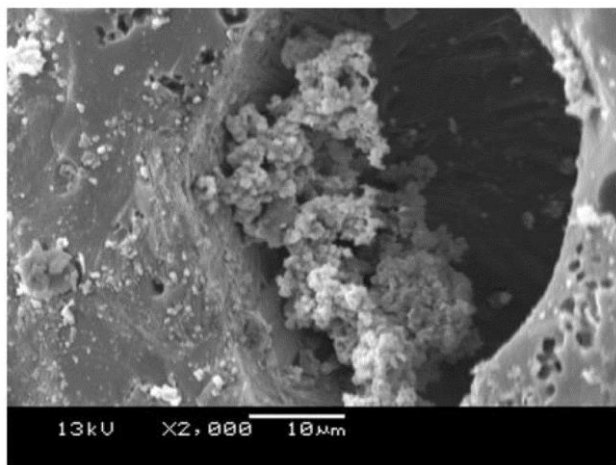
71: Zaozhuang University

72: LI, Tianpeng, SUN, Tingting

54: NANO-CUPROUS OXIDE COMPOSITE CERAMSITE FOR WATER TREATMENT AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention relates to a nano-cuprous oxide ceramsite for water treatment and preparation method and application thereof, wherein dewatered sludge, pulverized fuel ashes and river slit are used as raw materials to prepare ceramsite carriers, nano-cuprous oxide is synthesized taking blue vitriol as a copper source and hydrazine hydrate as a reducing agent under an alkaline condition and the nano-cuprous oxide composite ceramsite is prepared with a mass ratio of the blue vitriol and the ceramsite carriers (3-5):1, and upon analyzing photocatalytic oxidation degradation effects of the nano-cuprous oxide composite ceramsite on methylene blue dye wastewater, quality indicators of the nano-cuprous oxide composite ceramsite under normal temperature and normal pressure satisfy Chinese industrial standards and Chinese national standards, functions such as adsorption, coagulation, photoelectric conversion, photocatalytic oxidation, filtration, and sterilization are integrated, and restrictions due to single material, single method and single function are avoided without causing secondary pollution, which is of significant economical, environment and social benefits.



21: 2021/06856. 22: 2021/09/17. 43: 2021/10/20
 51: G06K; G06N
 71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY
 72: PU, Haitao, FAN, Mingqu, LIAN, Jian
54: POULTRY BEHAVIOR IDENTIFICATION METHOD BASED ON DEEP CONVOLUTIONAL NEURAL NETWORK

00: -

The invention discloses a poultry behavior identification method based on a deep convolutional neural network, comprising: step (1) collecting all poultry behavior images to be monitored; step (2) preprocessing the collected images; step (3) designing a deep convolutional neural network structure according to the characteristics of the poultry behavior images to be identified; step (4) using the images obtained in step (2) as training data and using the deep convolutional neural network structure in step (3) to train a poultry behavior identification model; step (5) performing precision testing on the poultry behavior identification model trained in step (4), and if test precision does not meet the standard, returning to step (3) until the application standard is reached; and step (6) deploying and applying the identification model to poultry breeding. The method can effectively improve the poultry behavior identification efficiency and accuracy, and simplify management in the breeding industry.

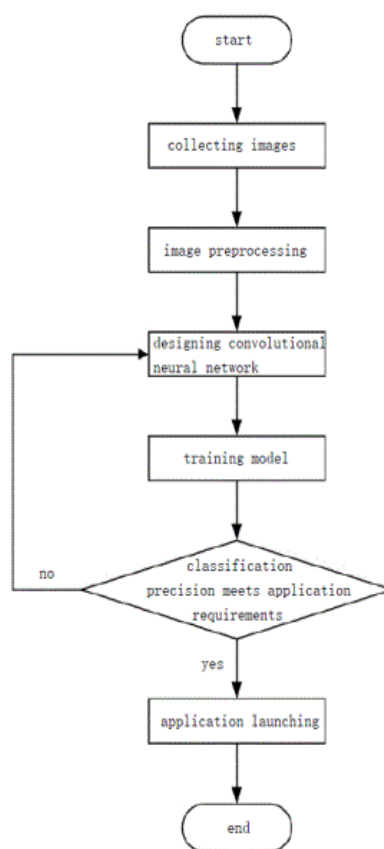


Fig. 2

21: 2021/06857. 22: 2021/09/17. 43: 2021/10/20
 51: G08B
 71: China Institute of Water Resources and Hydropower Research
 72: He Xin

54: METHOD AND SYSTEM FOR PREDICTING SURFACE WATER AND GROUNDWATER IN HYDROLOGICAL FORECASTING

00: -

The invention discloses a method and a system for predicting surface water and groundwater in hydrological forecasting, which comprises the following steps: constructing a DEM model of an observation area according to characteristic information of a slope and soil parameters of the slope; establishing a determination model for internal water level of the slope according to the DEM model, simulating the water level change process inside the slope according to the surface water level observation data and the surface water and groundwater coupling model, and analyzing the actual internal water level of the local slope by monitoring data of water content inside the local

slope and VG function; establishing a slope stability analysis model based on the obtained internal water level of the slope, taking the slope stability safety factor at the most dangerous sliding surface as the judging index of slope stability, finding out the most dangerous landslide surface, obtaining the minimum slope stability factor, and judging the stability of the slope. By adopting the technical scheme according to the invention, the slope stability in the exchange process between surface water and groundwater can be evaluated and predicted.

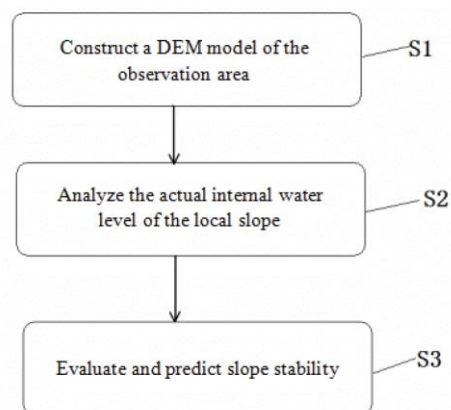
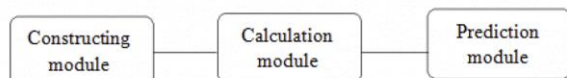


Figure 1



21: 2021/06858. 22: 2021/09/17. 43: 2021/10/20
51: G10G

71: Qingdao Agricultural University

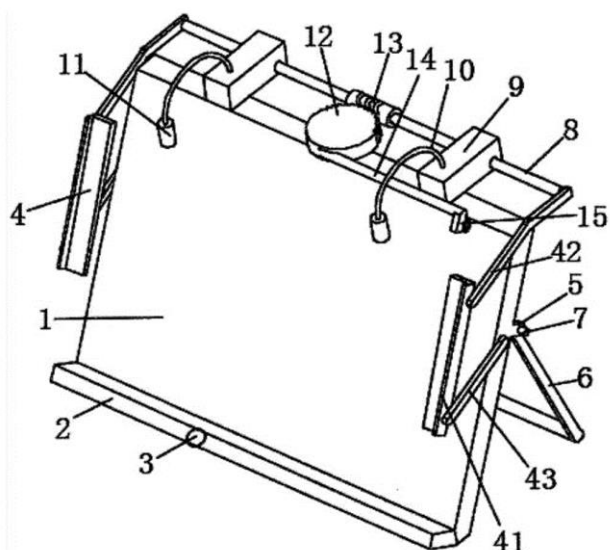
72: YAN, Biao

54: AUTOMATIC PAGE TURNING PIANO SHEET STAND

00: -

The present invention discloses an automatic page-turning piano sheet stand, comprising a piano sheet panel, a supporting block is provided at a lower end of the piano sheet panel, a switch button is provided at an intermediate part of the supporting block, edge holding devices are provided at both left and right sides of the piano sheet panel, a carrier is provided at a rear side of the piano sheet panel, a motor, a PLC controller and a micro air pump are provided on the carrier, wherein the motor and the micro air pump are electrically connected with the PLC controller, and the PLC controller is electrically

connected with the switch button; an angle-adjustable support is provided in the present automatic page-turning piano sheet stand, so an inclination angle of the piano sheet can be adjusted steplessly, and the player can enjoy a best viewing angle, further lamps are provided, so as to illuminate the piano sheet when light is not sufficient, and the player can see contents in the piano sheet clearly; the edge holding devices are further provided, so that both edges of the piano sheet can be held in place and prevent back-turning of the piano sheet, which may influence smooth playing of the player; and a suction disc is provided, which promises quick and stable page turning, reduces time consumed for page turning significantly and is of high utility value.



21: 2021/06859. 22: 2021/09/17. 43: 2021/10/20
51: G09B

71: Guangzhou Industrial and Commercial College

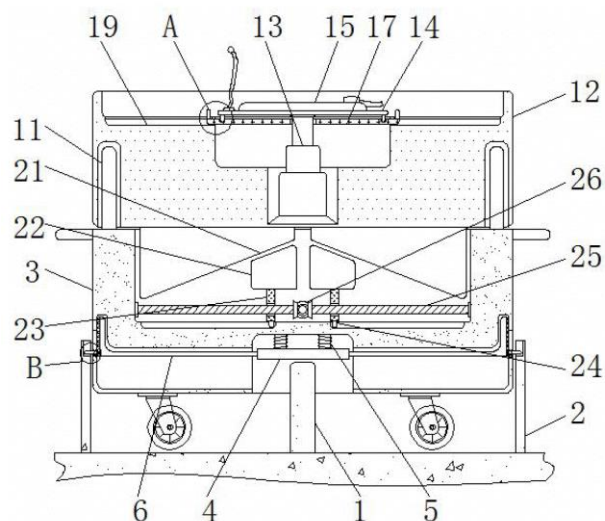
72: Zhu Qingshan

54: A FOLDABLE IT MOBILE TEACHING DEVICE

00: -

This invention discloses a foldable IT mobile teaching device that comprises a plurality of manual telescopic rods, fixed rod, IT teaching equipment mechanism and screw rod, wherein the left and right sides of the fixed rod are all provided with limiting rods, and the inner side of the limiting rods is also provided with a base, the left and right sides of the lower end of the base are connected with driven rotary rods through bearings, and the middle part of the lower end of the base is connected with a moving plate through springs, the left and right sides

of the moving plate are connected with connecting rods through welding, and the outer sides of the connecting rods are also provided with tooth block, and the outer sides of the tooth block are meshed and then connected by gears. The IT teaching equipment controls the protective plate to be movable for portability. The above-mentioned equipment mechanism can be accommodated by opening the protective plate, and such plate can be closed above the mentioned equipment mechanism, and it still can be accommodated in a protective manner. And when the protective plate is opened and the teaching equipment mechanism is removed later, the above-mentioned equipment mechanism can be fixedly supported by closing the protective plate to improve the practicability of the device



21: 2021/06860. 22: 2021/09/17. 43: 2021/10/20
51: A61K

71: Henan Luoyang orthopedic hospital (Henan orthopedic hospital)

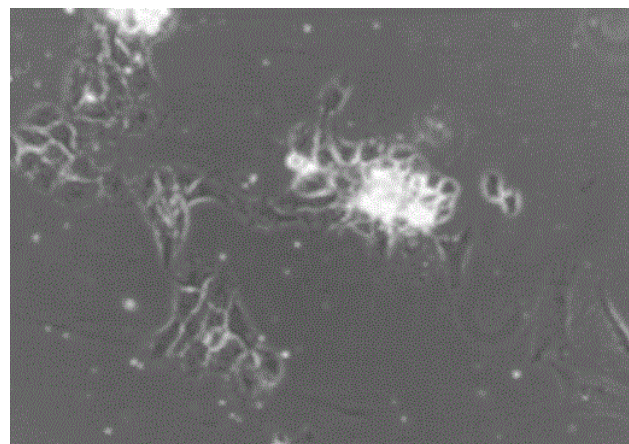
72: Xie Yan, Guo Yanxing, Li Wuyin, Ning Taoli, Zhang Hongdu

54: APPLICATION OF GRAPE SEED EXTRACT IN PREPARING MEDICINE FOR PROMOTING ADOLESCENT BONE GROWTH

00: -

The invention relates to the technical field of heightening drugs. The invention provides an application of grape seed extract in preparing medicines for promoting adolescent bone growth. The experimental results of this method show that grape seed extract can obviously inhibit the apoptosis of chondrocytes in the growth plate, thus

inhibiting the deterioration of the proliferation ability of the growth plate, delaying the closing of epiphysis, prolonging the process of bone growth, promoting the continued growth of adolescent bones, and promoting the growth. The application effect is obviously better than letrozole.



21: 2021/06861. 22: 2021/09/17. 43: 2021/10/20
51: G08B

71: Central South University of Forestry and Technology

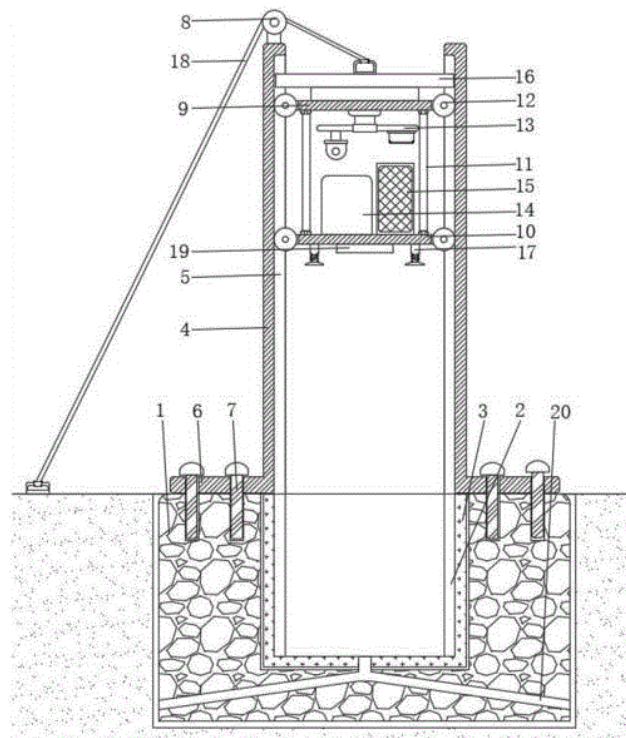
72: Zhang Jiang

54: FIRE EARLY WARNING DEVICE FOR INTELLIGENT FORESTRY

00: -

The invention discloses a firework early warning device for intelligent forestry, belonging to the forestry field, which comprises a fixed pile, wherein the fixed pile is buried underground, the upper surface of the fixed pile is on the same plane as the ground surface; the top surface of the fixed pile is provided with a groove; the inside of the groove is fixedly connected to a storage box, the upper top surface of the storage box and the upper top surface of the fixed pile are on the same plane, and the inner side walls on both sides of the storage box are provided with lower sliding grooves, which can automatically store the fire early warning device for intelligent forestry into the ground when a fire breaks out around the fire early warning device for intelligent forestry, thus preventing the fire early warning device for intelligent forestry from being burnt out, and restarting the fire early warning device for intelligent forestry for use after the fire passes. It not only protects the intelligent forest fire prevention early warning device, but also reduces the cost of

rebuilding the intelligent forest fire prevention early warning device after it is burned.



21: 2021/06862. 22: 2021/09/17. 43: 2021/10/20
51: A23K; A23L

71: Shandong Agricultural University

72: Zhang Chongyu, Zhang Guiguo

54: METHOD FOR QUICKLY DETERMINING FIBER COMPONENTS IN FOOD OR FEED IN BATCHES

00: -

The invention provide a method for measuring feed cellulose and hemicellulose, comprising the following steps: prepare a polyester mesh bag made of PET monofilament woven into a uniform monofilament fiber screen with an aperture of 20.0 micron, wherein one side of the mesh bag is open; weigh the feed sample to be tested, put it into a marked polyester net bag after drying and weighing; after mechanical seal, dry the bag and weigh m_0 , then put it into neutral detergent to boil for 1h, take out the net bag for washing and drying, and weigh m_1 ; then put it into acid detergent to boil for 1h, take out the net bag for washing and drying, and weigh m_2 ; after crushing the residue in the net bag, add 72 percent sulfuric acid to soak the bag at 20-25 degree Celsius for 3h, then take out the net bag for washing and drying, and weigh m_3 ; calculation: hemicellulose =

$m_1 - m_2$, cellulose = $m_2 - m_3$, lignin = $m_3 - m_0$.

Compared with the prior art, the method has the advantages of batch processing, simple and rapid operation steps, good repeatability, low cost, simple analysis method and high data accuracy, which lays a foundation for feed nutritional value evaluation and scientific and reasonable animal feeding.

21: 2021/06882. 22: 2021/09/17. 43: 2021/10/20
51: C12N

71: SOUTH CHINA AGRICULTURAL UNIVERSITY

72: XIE, Qingmei, FENG, Keyu, FU, Jun, SHAO, Guanming, ZHANG, Xinheng

33: CN 31: 201911161596.2 32: 2019-11-22

54: METHOD FOR RAPID PREPARATION OF EPIDEMIC AND INFECTIOUS BRONCHITIS VACCINE

00: -

The present invention provides a method for rapid preparation of an epidemic and infectious bronchitis vaccine. The method takes infectious clone of an infectious bronchitis virus (IBV) H120 vaccine strain as a skeleton carrier, then replaces an antigen gene in the skeleton carrier with a targeted antigen gene of an infectious bronchitis epidemic virus strain, so as to obtain a method for recombining bronchitis virus, wherein the targeted antigen gene is an S1 gene or an S gene, the S gene being one of S gene fragments of the infectious bronchitis epidemic virus strain or a fusion gene composed of multiple of the S gene fragments; replacement can also be the simultaneous replacement of the targeted antigen gene and an N gene, and a signal peptide region of an original S1 gene in the skeleton carrier needs to be preserved during the replacement. The method for the rapid preparation of the epidemic and infectious bronchitis vaccine of the present invention has the beneficial effects that an operation method is simple and easy to implement, the repeatability is high, the generation stability is good, the frequent variation of IBV epidemic can be quickly and efficiently tackled, and the method provides a new idea for the construction of a carrier vaccine.

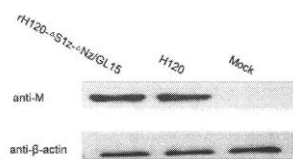


图 2

21: 2021/06895. 22: 2021/09/17. 43: 2021/10/13

51: B32B; C22C; C23C; H01R

71: ERNI INTERNATIONAL AG

72: BURGER, Michael

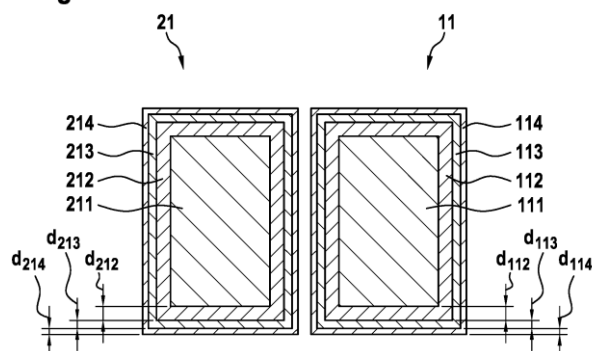
33: DE 31: 10 2019 115 243.7 32: 2019-06-05

54: ELECTRIC CONTACT ELEMENT FOR HIGH OPERATING VOLTAGES

00: -

The invention relates to an electric contact element for a connector comprising a metallic base body (111, 211) and a wear layer (113, 213) that is applied to the base body (111, 211). The wear layer (113, 213) is made from an alloy having the following component parts 82 - 91 wt.% nickel, 9 - 18 wt.% phosphorous and 0 - 1 wt.% other alloy elements.

Fig. 3



21: 2021/06896. 22: 2021/09/17. 43: 2021/10/13

51: B32B; C22C; C23C; H01R

71: ERNI INTERNATIONAL AG

72: BURGER, Michael

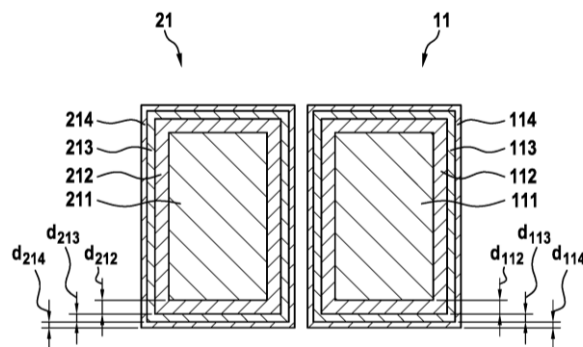
33: DE 31: 10 2019 115 239.9 32: 2019-06-05

54: ELECTRICAL CONTACT ELEMENT

00: -

The invention relates to an electrical contact element for a connector comprising a metallic base body (111, 211) and a wear layer (113, 213) which is applied to the base body (111, 211). The wear layer (113, 213) is made from pure ruthenium or from an alloy with the following constituents 50 - 100 wt.% ruthenium, 0 - 30 wt.% nickel, 0 - 20 wt.%

chromium, 0 - 20 wt.% cobalt, 0 - 20 wt.% platinum and 0 - 1 wt.% other alloy elements. A metallic intermediate layer (112, 212) is arranged between the base body (111, 211) and the wear layer (113, 213), the thickness (dm, dzn) being in the region of between 1.5pm - 4.0pm.



21: 2021/07011. 22: 2021/09/17. 43: 2021/10/21

51: A01K; A23L

71: INSTITUTE OF ANIMAL HUSBANDRY,
HEILONGJIANG ACADEMY OF AGRICULTURAL
SCIENCES

72: XINMIAO HE, XIAOLONG YU, SAHUI WU, DI
LIU, JIQIAO XIA, ZIGUANG LIU, WENTAO WANG,
HAIFENG ZHANG, MING TIAN, LIANG WANG,
GUIWEI LI, YANZHONG FENG, HESHU CHEN,
MEIYU QI, HAIJUAN HE

54: PLANT ADDITIVE FOR IMPROVING PORK QUALITY AND APPLICATION THEREOF

00: -

The present invention discloses a plant additive for improving pork quality and an application thereof. The additive includes the following components in parts by mass: 200-300 parts of *Acanthopanax senticosus*, 100-200 parts of *Paeonia lactiflora* Pall, 200-300 parts of *Astragalus mongholicus* Bunge, 150-300 parts of *Eucommia ulmoides*, 100-300 parts of *Lonicera japonica*, 100-200 parts of *Portulaca oleracea*, 100-300 parts of *Fructus aurantii*, 150-300 parts of malt, 100-200 parts of hawthorn, 100-200 parts of *Angelica dahurica*, 50-100 parts of *Glycyrrhiza uralensis* Fisch, 10-40 parts of molasses, 1-2 parts of coarse salt and 10-60 parts of compound fungus liquor. The additive prepared in the present invention has dual nutritive and medicinal effects and may improve meat quality; interactions and synergism are achieved among raw

materials; the fermented traditional Chinese medicine changes traditional processes of decocting, boiling and grinding; the medicinal effect is improved; and compound microorganisms may improve the meat quality.

21: 2021/07013. 22: 2021/09/20. 43: 2021/10/21
51: A01N

71: SHANDONG PEANUT RESEARCH INSTITUTE
72: DING, Hong, ZHANG, Zhimeng, DAI, Liangxiang, XU, Yang, ZHANG, Guanchu, QIN, Feifei, GUO, Qing

54: CULTIVATION METHOD FOR PROMOTING EARLY EMERGENCE OF PEANUTS AND PRESERVING FULL SEEDLINGS IN SALINE-ALKALI SOIL

00: -

The present invention belongs to the field of crop planting, cultivation technology for peanuts in saline-alkali soil, and to a cultivation method for promoting early emergence of peanuts and preserving full seedlings in saline-alkali soil. Disclosed is a planting manner of flat planting and covering black mulching films is adopted; biological salt and agronomic measure salt avoidance technologies, such as salt decrease with fresh water, selection of saline-alkaline tolerant peanut cultivars, timely late sowing, film laminating and rational fertilizer application, are combined, so that peanut seedlings germinate uniformly; full seedlings grow through one-time sowing; and early emergence of the seedlings is promoted. This planting manner facilitates earlier emergence by 3-5 days, increases an emergence rate by 8.04%, yield by 18.27-48.29%, and increases the yield of the peanuts in moderate and mild saline-alkali soil.

21: 2021/07057. 22: 2021/09/22. 43: 2021/10/27
51: G01N

71: QINGDAO AGRICULTURAL UNIVERSITY
72: LI, Haimei, ZHOU, Chunling, SUN, Yingkun, GUO, Xiao, XU, Meng, ZHU, Xu

54: METHOD FOR MEASURING ABSORPTION AND RETENTION EFFECTS OF PLANTS ON PARTICLES WITH DIFFERENT SIZES

00: -

The invention relates to a method for measuring absorption and retention effects of plants on particles with different sizes, which comprises the steps: (1) collecting plant leaves, (2) measuring a

dust retention quantity per unit leaf area of plants, and (3) measuring the dust retention quantity per unit volume of plants. The method of the invention uses filter membranes with different filter pore diameters for filtering on the basis of obtaining the dust retention quantity per unit leaf area, and calculates the dust retention quantity per unit leaf area of the plant leaves under different filter pore diameters after filtering. Compared with an existing method, the method is accurate and has higher pertinence.

21: 2021/07058. 22: 2021/09/22. 43: 2021/11/10
51: C05G

71: Qingdao Agricultural University
72: Liu Qing, Sun Ninghui, Tian Xia

54: SWEET POTATO SELENIUM-ENRICHED FERTILIZER WITH WATER RETENTION FUNCTION, AND PREPARATION METHOD OF SWEET POTATO SELENIUM-ENRICHED FERTILIZER

00: -

The present invention provides a selenium-enriched fertilizer with a water retention function, and a preparation method of the selenium-enriched fertilizer. The selenium-enriched fertilizer includes 5-25 parts by weight of nitrogen fertilizer, 5-25 parts by weight of phosphorus fertilizer, 10-40 parts by weight of potassium fertilizer, 3-8 parts by weight of water-retaining agent, 0.05-2 parts by weight of selenium salt and 25-45 parts by weight of beneficial additive. During preparation, the selenium salt is mixed with other raw materials uniformly after being dissolved into water, and the selenium-enriched fertilizer is prepared through granulation and drying. The selenium-enriched fertilizer has high concentration, a water retention function and a nutrient slow release effect, and is suitable for serving as a basic fertilizer during soil preparation, thereby having good absorption effect for sweet potatoes, high utilization rate and water retention property.

21: 2021/07059. 22: 2021/09/22. 43: 2021/10/27
51: B07B; G01N

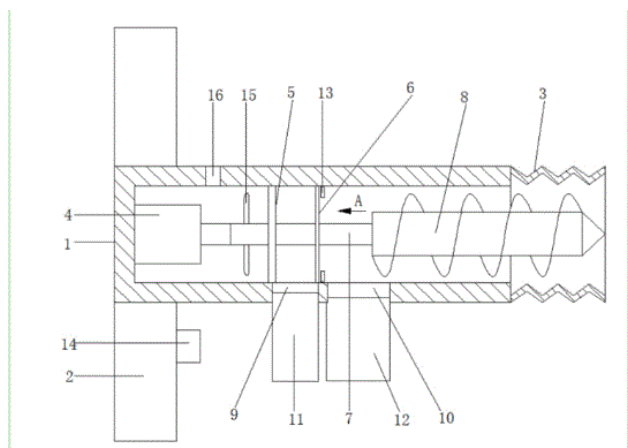
71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: GAO, Zongjun, TONG, Hui, GAO, Fasheng

54: NOVEL SELF-CLEANING SCREENING AND SAMPLING DEVICE FOR GEOLOGICAL ENGINEERING SURVEY

00: -

A novel self-cleaning screening and sampling device for geological engineering survey comprises a sampling tube with an opening at a right end, a handheld means is fixedly mounted at the left end of the sampling tube, the right end of the sampling tube is fixedly connected with and communicated with an elastic rubber corrugated pipe, a motor with an output shaft facing to the right is fixedly mounted on an inner wall of a left side of the sampling tube, a motor switch is fixedly mounted on the handheld means, the motor switch is connected with the motor, a first filter plate and an elastic filter plate are fixedly mounted in a middle of an inner side of the sampling tube, and the elastic filter plate is positioned on a right side of the first filter plate.



21: 2021/07060. 22: 2021/09/22. 43: 2021/10/27
51: B43L

71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: GAO, Zongjun, GAO, Fasheng, TONG, Hui

54: MULTIFUNCTIONAL DRAWING DEVICE FOR GEOLOGICAL FIELD RECORD

00: -

A multifunctional drawing device for a geological field record includes two vertically-symmetric groups of circular rings; the circular ring includes two longitudinally-symmetric first semicircular rings; the two vertically-symmetric first semicircular rings are connected fixedly through a plurality of vertical connecting rods; outer side surfaces of the first semicircular rings each is provided with a second semicircular ring; the other end side surface of the first semicircular ring is connected with one end of the corresponding second semicircular ring through a hinge; the outer side surfaces of two longitudinally-

symmetric second semicircular rings each is provided with a buckle structure; the buckle structure may move along the outer side surface of the corresponding second semicircular ring; and the right sides of the two circular rings are provided with a same vertical drawing board. The device is convenient to use and carry; and the device can be used according to different circumstances.

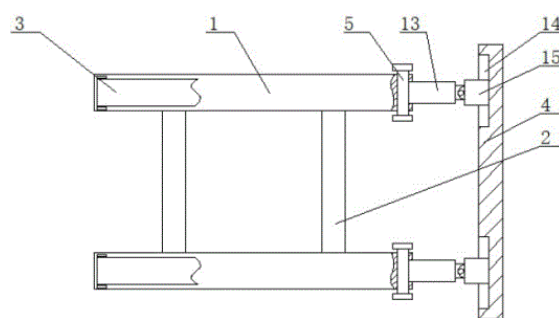


FIG. 1

21: 2021/07061. 22: 2021/09/22. 43: 2021/10/29
51: C07K

71: Shenzhen Institute of Geriatrics, Wu Zhengzhi

72: Wu Zhengzhi, Long Bohua

54: METHOD FOR PREPARING POLYPEPTIDE TUBULYSIN M WITH HIGH ANTI-TUMOR ACTIVITY

00: -

This invention provides method for preparing polypeptide Tubulysin M with high anti-tumor activity which comprises S1, providing a compound 2, S2, preparing active polypeptide Tubulysin M with compound 2 as key raw material. This invention provides preparation method that adopts innovative route, the whole synthesis process of the active polypeptide Tubulysin M is optimized, and the total yield is higher and the stereoselectivity is good.

21: 2021/07062. 22: 2021/09/22. 43: 2021/11/03
51: C05G; C09K

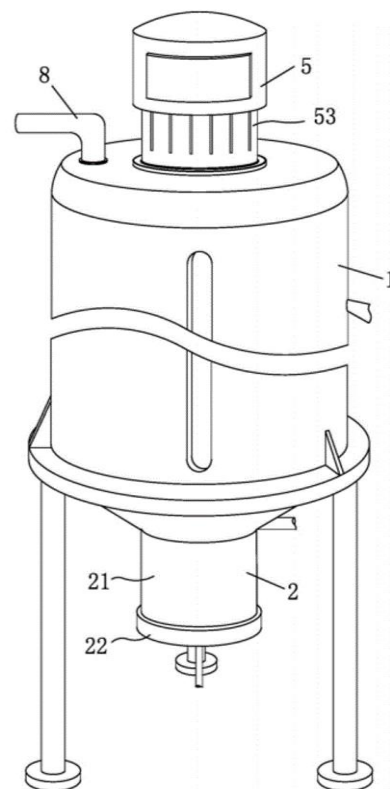
71: Cultivated Land and Fertilizer Management Station of Zhejiang, Zhejiang Academy of Agricultural Sciences

72: YU, Yijun, YANG, Guiling, LIN, Hui, WU, Qifeng, YU, Bing, CHEN, Hongjin, KONG, Haimin, CHEN, Zhengdao

54: ORGANIC FERTILIZER HEAVY METAL PASSIVATION REMOVAL DEVICE

00: -

The present disclosure relates to the field of organic fertilizer heavy metal passivation, in particular to an organic fertilizer heavy metal passivation removal device, including a main body, a precipitation mechanism, an adsorption mechanism, a discharging mechanism, a driving mechanism, a guiding mechanism, a wiring mechanism and a feeding pipe. An adsorption material is placed into the precipitation mechanism, and the driving mechanism is started to drive the adsorption mechanism to descend and compress the adsorption material into a side wall of the adsorption mechanism, such that the adsorption material is distributed on the side wall of the adsorption mechanism. Organic fertilizer slurry is added into the main body, and the driving mechanism is started to drive the adsorption mechanism to slowly move up and down and rotate inside the organic fertilizer slurry so as to drive the organic fertilizer slurry to make even contact with the adsorption material on the side wall of the adsorption mechanism, such that the adsorption material quickly adsorbs heavy metal ions inside the organic fertilizer slurry. At the same time, after adsorption is completed, an organic fertilizer is quickly separated from the adsorption material.



21: 2021/07063. 22: 2021/09/22. 43: 2021/11/03

51: B60T

71: Jilin University

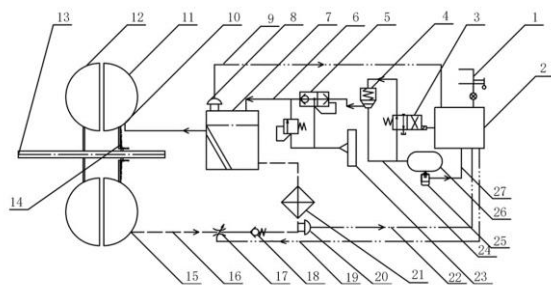
72: Chunbao Liu, Konghua Yang, Xu Qian, Yuxiao Tang, Kaidiao Jin

54: THE DUAL-ADJUSTMENT INTELLIGENT HYDRAULIC AUXILIARY BRAKING SYSTEM AND CONTROL METHOD FOR HEAVY COMMERCIAL VEHICLE

00: -

The invention relates to a dual-adjustment intelligent hydraulic auxiliary braking system and control method for heavy commercial vehicle, which solves the application of the commercial vehicle hydraulic auxiliary braking system, which is difficult to brake at full speed emergency, and the problem of braking in long-distance downhill working conditions, the existing heavy vehicle auxiliary braking system and control method have poor accuracy, many restrictive factors, high technical implementation and use costs, this device integrates the advantages of a hydraulic retarder with high braking efficiency and a fast-response mechanical-electric-hydraulic control system, and a dual-adjustment intelligent hydraulic auxiliary system is designed to control the opening

of the inlet air pressure and the outlet flow valve, and under braking working conditions, ECU controller realizes the determination of vehicle braking working conditions through the road recognition system and vehicle information collection system, which dynamically adjusts the inlet control air pressure and outlet flow valve of the auxiliary system according to the braking working conditions of the vehicle, and changes the maximum braking power and response time of the auxiliary braking system, so as to realize that the hydraulic auxiliary braking system always matches the optimal area with changes in braking working conditions, giving full play to the intelligent advantages of the auxiliary braking system, and improving the safety and economy of vehicle operation.



21: 2021/07065. 22: 2021/09/22. 43: 2021/10/21
51: C12N

71: SHANDONG INSTITUTE OF POMOLOGY
72: WANG, Haibo, WANG, Sen, HE, Xiaowen, HE, Ping, CHANG, Yuansheng, LI, Linguang
54: HIGH-TEMPERATURE-RESISTANT COLORING EARLY SELECTION METHOD FOR EARLY-MID RIPENING HYBRID APPLE SEEDLINGS

00: -

The present invention discloses a high-temperature-resistant coloring early selection method for early-mid ripening hybrid apple seedlings and belongs to the technical field of forestry planting. The method includes: performing field selection on hybrid seedlings; selecting and treating experimental materials; and screening plants of which metabolic substances are increased, hormone levels rise and expressions of F3H and DFR genes in a synthesis pathway of melatonin biosynthesis related genes, MYB transcription factors and flavonoids are up-regulated from samples as selection objects. By utilizing correlation between fruits and leaves, the hybrid seedlings are subjected to early selection and

pre-selection; poor types are eliminated; the quantity of alternative plants is decreased; and breeding efficiency is increased.

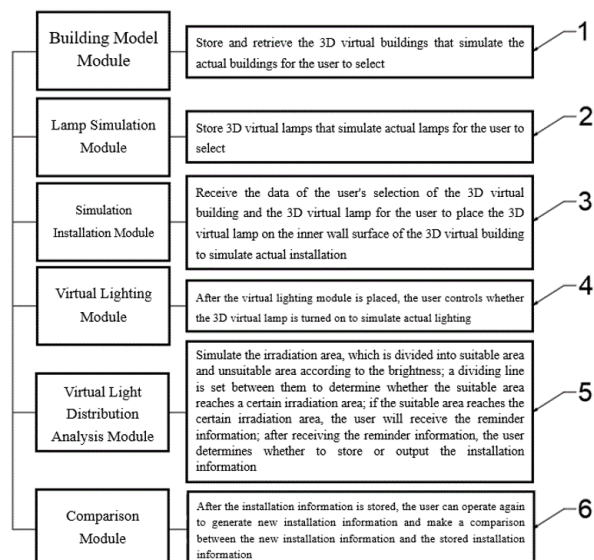


21: 2021/07066. 22: 2021/09/22. 43: 2021/11/03
51: G06F

71: Anhui University of Science and Technology
72: Yunfeng Huang

54: SIMULATION METHOD FOR ENERGY-SAVING BUILDING DESIGN AND ITS SYSTEM
00: -

The invention discloses a simulation method for energy-saving building design and its system, including a building model module based on a system architecture, a lamp simulation module, a simulation installation module, a virtual lighting module, a virtual light distribution analysis module, a comparison module, wherein the building model module is connected to the remaining back-end servers through the channel to store and retrieve the 3D virtual buildings that simulate the actual buildings for the user to select; wherein the lamp simulation module is connected to the remaining back-end servers through the channel to store 3D virtual lamps that simulate actual lamps. Compared with the prior art, the invention has the advantages that the user can simulate the installation of actual lamps in the building, thereby determining an energy-saving scheme, and can quickly get reminders from the system during the operation of the system, which is convenient for the user to further operate the system. The system is easy to operate, and it makes the building design more energy-efficient. The user can get a better design plan for the installation of architectural lighting.



21: 2021/07067. 22: 2021/09/22. 43: 2021/11/12
51: A01B

71: CHINA AGRICULTURAL UNIVERSITY

72: ZHIFANG, LI

54: NUTRIENT SOLUTION FOR SOILLESS CULTURE OF FRUIT AND VEGETABLE CROPS, PREPARATION METHOD AND SOLUTION SUPPLYING METHOD

00: -

The present invention relates to a nutrient solution for soilless culture of fruit and vegetable crops, a preparation method and a solution supplying method. The invention includes macroelements of N, P, K, Ca, Mg and S and microelements of B, Mn, Cu, Zn, Fe and Mo. A seedling-stage macroelement nutrient solution, a flowering-stage macroelement nutrient solution and a fruiting-stage macroelement nutrient solution are prepared respectively, wherein contents of N, P and K in the seedling-stage macroelement nutrient solution are lower than those in the flowering-stage and fruiting-stage nutrient solutions; a content of N in the flowering-stage macroelement nutrient solution is greater than that in the seedling-stage nutrient solution, and a content of K therein is lower than that in the fruiting-stage nutrient solution; and a content of K in the fruiting-stage macroelement nutrient solution is higher than contents of N and P therein.

21: 2021/07070. 22: 2021/09/22. 43: 2021/11/03
51: C12N; C12Q

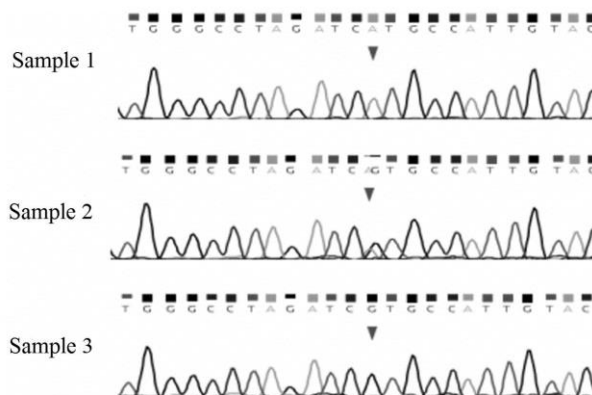
71: Yancheng Teachers University

72: GAO, Xueren, HUANG, Zhijun, ZHANG, Shulong, MA, Jing, LI, Jianping, LI, Xianyang

33: CN 31: 202110946527.3 32: 2021-08-18

54: USE OF REAGENT FOR DETECTING SNP MOLECULAR MARKERS IN PREPARING KIT FOR IDENTIFYING COLORECTAL CANCER PATIENTS WITH HIGH RISK OF PROGRESSION
00: -

The disclosure belongs to the technical field of diagnosis kit of colorectal cancer progression. The disclosure provides a use of a reagent for detecting SNP molecular markers in preparing a kit for identifying colorectal cancer patients with high risk of progression, wherein the SNP molecular markers contain a nucleotide sequence with a polymorphism of G or A at the rs60012205 site on LINC01978 gene. The kit above mentioned of the disclosure can non-invasively and accurately detect the genotype of rs60012205 G>A site of a subject, which is beneficial to identifying colorectal cancer patients with high risk of progression and implementing individualized treatment.



21: 2021/07071. 22: 2021/09/22. 43: 2021/11/03
51: A01F

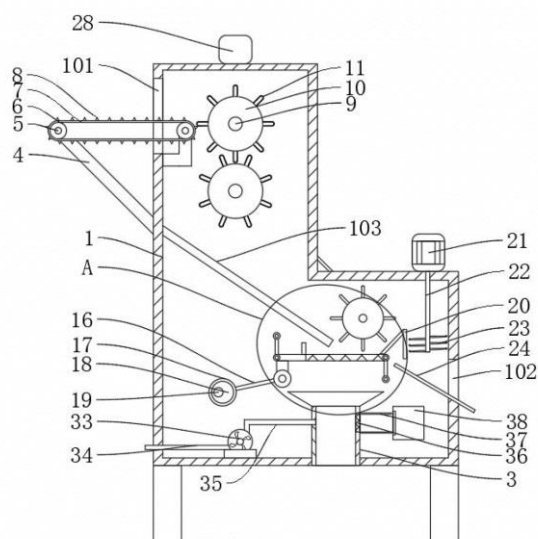
71: Dali Bai Autonomous Prefecture Agricultural Science Extension Research Institute, Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton and Bast Fiber Crops Research)

72: AN, Xia, CHEN, Xiaoyan, ZHU, Xuan, JIN, Guanrong, WANG, Xueming, YANG, Jianping, FAN, Conggui, YE, Jianda, LUO, Xiahong, CHEN, Changli, LI, Wenlue, LIU, Tingting, LI, Shufeng, ZHU, Guanlin

54: FLAX STRAW SMASHING AND THRESHING ALL-IN-ONE DEVICE

00: -

The present disclosure discloses a flax straw smashing and threshing all-in-one device, and belongs to the field of flaxseed straws. The device includes a box body, a supply structure, a threshing mechanism, a screening mechanism and a smashing mechanism. The device is easy to use and convenient to operate, and improves the working efficiency.



21: 2021/07072. 22: 2021/09/22. 43: 2021/10/14
51: A61B

71: GUPTA, Bhumika, VERMA, Agya Ram

72: GUPTA, Bhumika, VERMA, Agya Ram

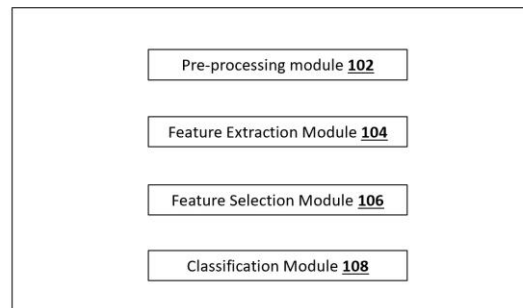
54: ECG SIGNAL CLASSIFICATION SYSTEM AND METHOD BASED ON FPA AND COMPACT MULTIPLE CLASS SVM

00: -

The present invention generally relates to a system and method for ECG signal classification based on floral pollination algorithm (FPA) and Compact Multiple Class Support Vector Machines (CMSVM). The key component of present system is to find a collection of specific features that can achieve the best precision. The proposed method seeks the best value of classification parameters that best suits their discriminatory function. The simulation results showed that the proposed classifier provided the best combination results for FPA with MSVM. The proposed method helps to detect irregular beats

automatically, which can help boost emergency alert for cardiovascular patients.

100



21: 2021/07100. 22: 2021/09/23. 43: 2021/11/03
51: A23K

71: Pearl River Fisheries Research Institute, Foshan zhushui biology science technology co.ltd

72: Lin Minghui, Liang jianhui, Liao guoli

54: FERMENTED FEED FOR AQUATIC PRODUCTS AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention discloses a method for preparing fermented feed for aquatic products, including the following steps: 1) weigh the bran, soybean meal, and corn gluten meal in proportion, carry out dry heat sterilization and pulverization to prepare raw material carrier; 2) weigh minerals, koji seeds, carbon sources and plant vitamins respectively, after crushing and mixing, the strain nutrient is prepared; 3) add the raw material carrier to the bacterial nutrient, then mix and stir to make a mixed feed; 4) add the mixed feed to water, then seal and ferment for 1-5 days to make a wet fermentation feed; 5) according to the different stages of shrimp breeding, the wet fermentation feed is mixed with the complete formula feed to prepare the fermented feed for aquatic products. The invention also discloses a fermented feed for aquatic products and its application, the feed of the present invention is a solid feed, which is convenient for circulation and transportation, plus greatly improve the nutrient level and digestibility of fermented materials, and the feed safety.

21: 2021/07101. 22: 2021/09/23. 43: 2021/11/03

51: G06F

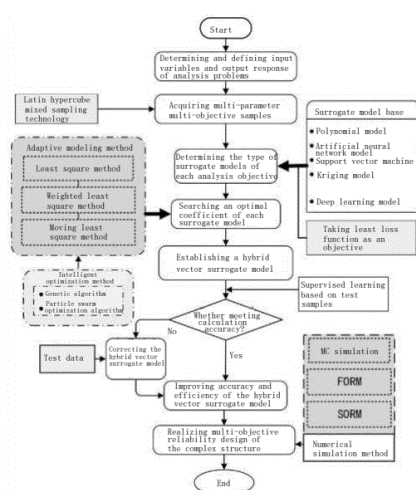
71: Fudan University

72: FEI, Chengwei, LU, Cheng, HAN, Lei

54: COMPLEX STRUCTURE RELIABILITY DESIGN METHOD BASED ON HYBRID VECTOR SURROGATE MODEL

00: -

The present invention provides a complex structure reliability design method based on a hybrid vector surrogate model. The method includes the following steps: step 1, acquiring reliability design objectives of a complex structure; step 2, acquiring an input parameter and a response parameter of each reliability design objective, and taking the input parameters and the response parameters as input parameters and response parameters; step 3, performing mixed sampling on the input parameters and the response parameters of the complex structure, and acquiring input parameter samples and response parameter samples; step 4, selecting a surrogate model for each reliability design objective; 5, training the surrogate models, and obtaining an optimal model parameter; step 6, establishing an optimal parameter matrix, and establishing a hybrid vector surrogate model; step 7, evaluating accuracy of the hybrid vector surrogate model, and correcting the accuracy; and step 8, performing multi-objective reliability design on the complex structure.



21: 2021/07102. 22: 2021/09/23. 43: 2021/11/03

51: A61G

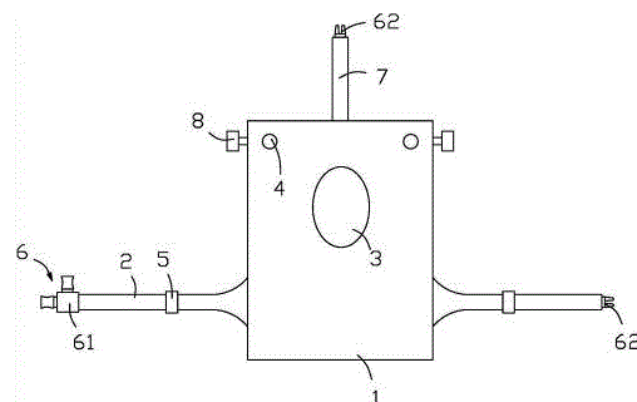
71: Affiliated Hospital of YouJiang Medical University for Nationalities

72: Wang Jianyuan, Huang Cuimai, Lu Qixiang, Meng Yu, Chen Qiuping

54: SAFETY VEST BOUND IN WHEELCHAIRS

00: -

The invention provides a safety vest bound in wheelchairs, belonging to the technical field of medical apparatus, which comprises a base cloth and two lower fixing belts, wherein the upper part of the base cloth is provided with a first through hole and two second through hole which are respectively arranged on the left and right sides above the first through hole; two lower fixing belts are respectively arranged on the left and right sides of the lower part of the base cloth, one end of which is connected with the base cloth, and the other end of which is inserted and buckled with each other through a plug buckle. At least one of the two lower fixing belts has a contractive structure. A first clamp connector is slidably mounted on each lower fixing belt, and the clamping part of the first clamp connector is away from the lower fixing belt and faces the wheelchair back, and the first clamp connector is clamped on the side edge of the wheelchair back when the fixed vest is used. The invention can be suitable for transporting patients with different body types, can effectively fix the transporting patients in wheelchairs, and has good stability.



21: 2021/07103. 22: 2021/09/23. 43: 2021/11/03

51: B01D; B01J

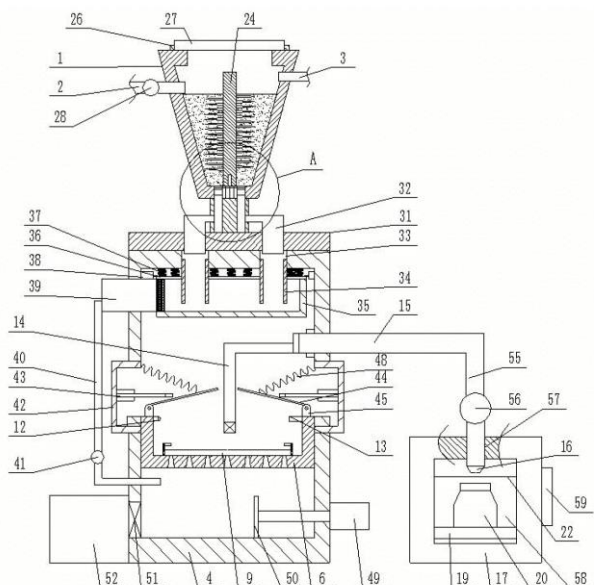
71: Guizhou University, Guizhou Academy of Sciences

72: Zhang Zhenming, Ding Guijie, Zhou Yunchao, Zhou Xinwei, Zhang Jiachun, Huang Xianfei, Ai Xiangling

54: DEVICE AND METHOD FOR EXTRACTING MICROPLASTICS IN SOIL OF PINUS MASSONIANA LAMB. WOODLAND

00: -

The invention discloses an extraction device and an extraction method of microplastics in soil of *Pinus massoniana* Lamb. woodland land. Based on saturated and stable leaching solution, microplastics can float upwards, so that the separation operation of microplastics from water samples is simple, and the treatment conditions are mild; meanwhile, the mixed solution of the leaching solution and microplastics is circularly filtered for many times, so that other impurities in the mixed solution are removed, microplastics can be fully separated, and sediments are automatically cleaned, which is energy-saving and environment-friendly. The liquid level height of the supernatant is controlled, and the rising speed of the liquid level is slowed down, so that the filter paper is not damaged, and the extraction work is carried out stably; meanwhile, chemicals are added to remove the heavy metal pollution elements contained in the residual *Pinus massoniana* Lamb. woodland soil in the supernatant, and the residual microplastics can be continuously collected; and through precise purification and automatic identification and detection by infrared spectroscopy, the phenomenon of large deviation in extraction purity is avoided, and the accuracy of microplastics detection is improved as a whole.



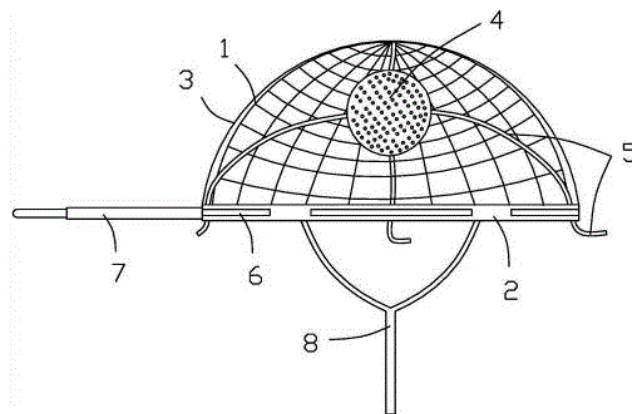
21: 2021/07104. 22: 2021/09/23. 43: 2021/11/03
51: A61H
71: Affiliated Hospital of YouJiang Medical University for Nationalities

72: Huang Cuimai, Wang Jianyuan, Lu Qixiang, Meng Yu, He Caixia

54: NURSING DEVICE USED AFTER BONE FLAP DECOMPRESSIVE CRANIECTOMY

00: -

The invention provides a nursing device for bone flap decompressive craniectomy, which belongs to the technical field of medical instruments and comprises an inner liner, a fixing edge, hard plastic bone pieces, four bone piece fixing belts and four clamping pieces. The inner lining layer is in a hollow net shape, and the fixing edge is fixed on the lower edge of the inner lining layer. The upper side of the fixing edge is provided with four sliding rails at intervals, and the sliding rails are through openings penetrating the upper and lower sides of the fixing edge or the upper side and the outer side. Hard plastic bone pieces are fixedly placed on the outer side surface of the inner lining layer through four bone piece fixing belts. The bone piece fixing belt is in sliding connection with that fixing edge. Each clamping piece corresponds to a sliding rail. That clamping piece is inserted into the fixed edge from the outer side of the fixing edge. The clamping piece is slidingly connected with that fixing edge. The invention can effectively protect the bone-removed flap area of the head surgery, thereby protecting the safety of the patient.



21: 2021/07105. 22: 2021/09/23. 43: 2021/11/03
51: B27M
71: Shandong Yingcai University
72: Chen Zhaoguo
54: WOODCUT PRINT AND PREPARATION METHOD THEREOF
00: -

The invention relates to the technical field of wood processing, particularly to a woodcut print and a

preparation method thereof. The woodcut print comprises panel layers arranged on the front and back sides and an anti-corrosion filling layer arranged in the middle, wherein the panel layers are one or more of basswood, poplar, paulownia, mahogany, pear wood, camphor wood, jujube wood and birch wood. The anti-corrosion filling layer comprises the following raw materials: sawdust, preservative, resin and curing agent. The woodcut print provided by the invention utilizes the processing waste sawdust, reduces the use amount of plates, reduces the cost of the woodcut print, is more conducive to the wide popularization of the woodcut print, and simultaneously overcomes the technical problems that the woodcut print in the prior art is easy to be affected by moisture, cracking, deformation, mildew and moth. The production process is simple, the cycle is short, the operation is easy, and it is beneficial to large-scale production.

21: 2021/07106. 22: 2021/09/23. 43: 2021/11/03
51: A61K; A61P

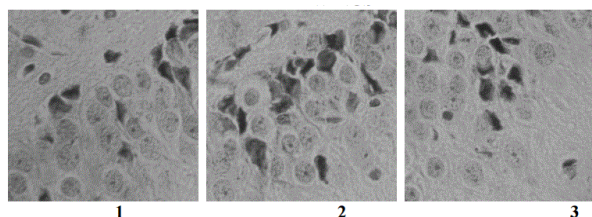
71: Xinxiang Medical University

72: YIN, Yaling, ZHU, Moli, YIN, Qingfeng, SUN, Ruili, ZHAO, Fanrong, PAN, Guopin, JIANG, Li

54: PHARMACEUTICAL COMPOSITION FOR TREATING ALZHEIMER'S DISEASE

00: -

The present disclosure belongs to the technical field of medicine, and particularly relates to a pharmaceutical composition for treating Alzheimer's disease and an application thereof. The pharmaceutical composition is prepared by the following raw materials: citronellal, perillaldehyde, and syringin. It has the advantages of obvious effect on preventing Alzheimer's disease, stable quality control, low cost, and is natural and non-toxic, and suitable for long-term use.



21: 2021/07107. 22: 2021/09/23. 43: 2021/11/03
51: B60F; B60N

71: Owen G. Drake

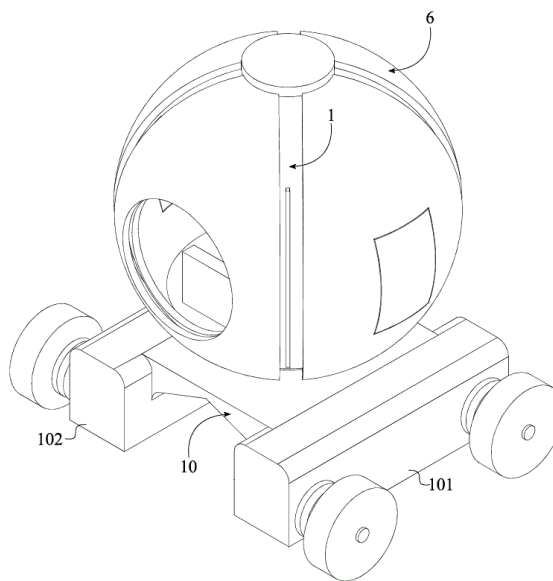
72: Owen G. Drake

33: US 31: 17/125,259 32: 2020-12-17

54: DUAL MODE VEHICLE THAT OPERATES ON BOTH GUIDED RAILS AND UNGUIDED ROADWAYS

00: -

A dual mode vehicle that operates on guided rails and roadways includes a capsule, a carriage, a front left drive system, a front right drive system, a rear left drive system, a rear right drive system, a pod control unit, and at least one battery. The carriage includes a spherical frame-housing and a base. A spherical cabin of the capsule is attitudinally mounted within the spherical frame-housing. The front left drive system, the front right drive system, the rear left drive system, and the rear right drive system each includes a motor, a drive axle, a road wheel, and a rail wheel. The road wheel and the rail wheel are axially mounted to the drive axle. The motor that is mounted to the base is operatively coupled with the drive axle through the at least one battery and the pod control unit to operate a roadway or railway transportation mode.



21: 2021/07111. 22: 2021/09/23. 43: 2021/11/03
51: A01C

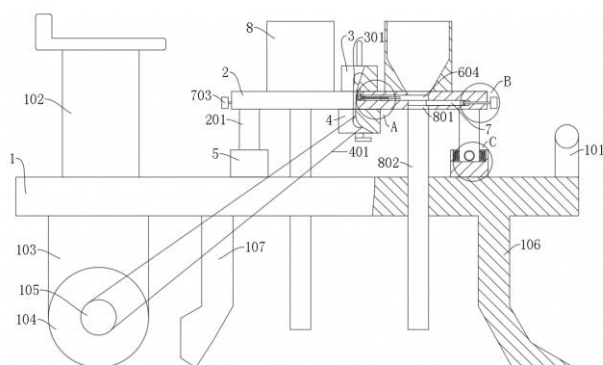
71: Zhejiang Academy of Agricultural Sciences, Zhejiang Institute of Garden Plants and Flowers (Zhejiang Xiaoshan Institute of Cotton and Bast Fiber Crops Research)

72: AN, Xia, LIN, Tianbao, JIN, Guanrong, LUO, Xiahong, CHEN, Changli, LI, Wenlue, LIU, Tingting, ZHU, Guanlin

54: KENAF SEED-FERTILIZER SEPARATION SOWING MACHINE

00: -

The present disclosure discloses a kenaf seed-fertilizer separation sowing machine, and belongs to the technical field of agricultural machinery. The sowing machine includes a sowing machine main body and a vibration plate. The vibration plate is fixedly connected with a holding bin; a material outlet is formed in the bottom of the holding bin; and the bottom of the material outlet fixedly communicates with a hose. The present disclosure can prevent seed burning due to seed and fertilizer mixing and non-uniform sowing, and accurately control the sowing amount, a sowing spacing and a ratio of fertilizer to seeds during sowing.



21: 2021/07112. 22: 2021/09/23. 43: 2021/11/03
51: C23C

71: North China University of Technology

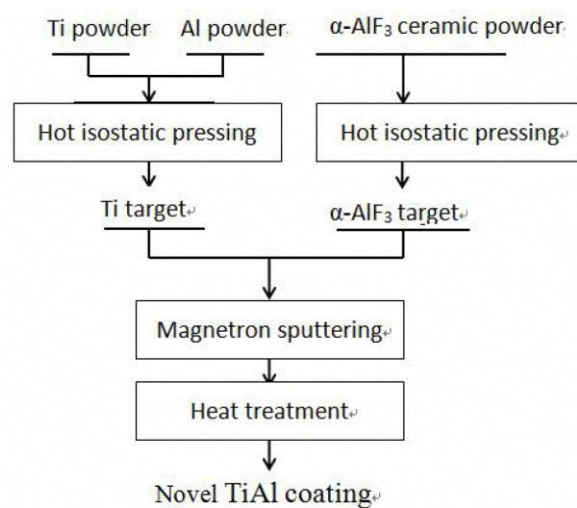
72: Ouyang Peixuan, Zhang Shuting, Sun Wei, Yang Jinhe, Dong Zhichao, Li Hang

54: TIAL COATING CAPABLE OF IMPROVING HIGH-TEMPERATURE OXIDATION RESISTANCE OF TITANIUM ALLOY AND PREPARATION METHOD THEREOF

00: -

The invention discloses a TiAl coating capable of improving the high-temperature oxidation resistance of titanium alloy and a preparation method thereof. The TiAl coating comprises alpha-AlF₃ nanoparticles with the content of 5-30 vol.%. According to the preparation method of the TiAl coating, TiAl alloy targets and alpha-AlF₃ targets are used as raw materials, and magnetron sputtering deposition is carried out on the surface of a substrate to prepare

the coating; the magnetron sputtering is double-target co-sputtering, and the substrate temperature during sputtering is 150 Celsius degree, wherein the TiAl alloy target is direct current (DC) sputtered with a power of 0.5-2 kW, and the alpha-AlF₃ target is radio frequency (RF) sputtered with a power of 0.07-0.2 kW. After the coating is obtained by double-target co-sputtering, the final coating is obtained by heat treatment at 600-800 Celsius degree for 5-20 hours.



21: 2021/07113. 22: 2021/09/23. 43: 2021/11/03
51: A61B

71: West China Hospital, Sichuan University

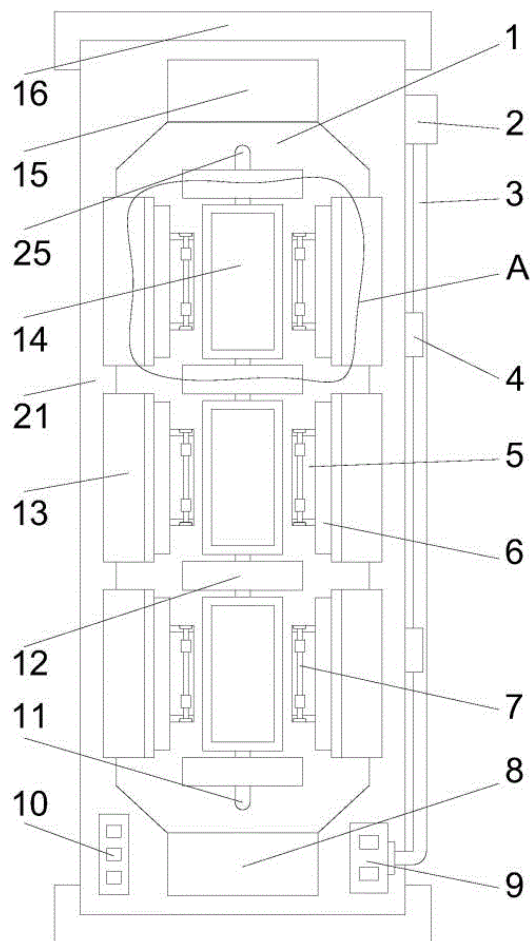
72: Wu Zhoupeng, Xiang Yuwei

54: VARICOSE VEIN REHABILITATION TRAINING DEVICE FOR VASCULAR SURGERY

00: -

The invention discloses a varicose vein rehabilitation training device for vascular surgery, which mainly comprises a frame, a synchronizer, an elastic airbag and a swing plate, wherein a bottom plate is fixedly installed at the rear side of the frame, support plates are fixedly installed at the upper and lower ends of the bottom plate, a mode switch is fixedly installed at the lower left part of the front side of the bottom plate, a power supply switch is fixedly installed at the lower right part of the front side of the bottom plate, and wires are fixedly installed at the right side of the power supply switch; the right side wall of the bottom plate is fixedly provided with equidistantly arranged wire clamps which are clamped with wires, and plugs are fixedly arranged at the top ends of the wires. The invention has reasonable structural design, and the

device is used for treating varicose veins in a conservative way, which does not adopt an operation mode and cost less, and can prevent recurrence after long-term adherence. Compared with the treatment of varicose veins by binding the legs with a taut band, it can accelerate blood circulation and effectively promote blood circulation. Compared with the roller pressing device, the rehabilitation device has better massage comfort, better massage effect and are more comfort.



21: 2021/07122. 22: 2021/09/23. 43: 2021/11/03
51: H04Q

71: ZHUIXIN DIGITAL TECHNOLOGY CO., LTD.

72: ZHANG, Jingmin

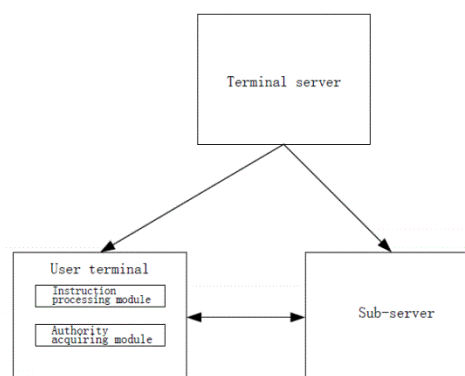
33: CN 31: 201911322026.7 32: 2019-12-20

54: EMERGENCY PERMISSION-STARTING COMMUNICATION DEVICE SYSTEM AND METHOD THEREFOR

00: -

Disclosed in the present invention is an emergency permission-starting communication device system,

comprising a terminal server, a sub server, and a user terminal. The terminal server separately performs wireless communication with the sub server and the user terminal; the sub server wirelessly communicates with the user terminal; an instruction processing module and a permission obtaining module are provided in the user terminal; the instruction processing module receives an operating instruction of the terminal server or the sub server, and feeds back a processing result to the permission obtaining module; and the permission obtaining module determines the processing module to perform a corresponding operation. The present invention provides the emergency permission-starting communication device system and a method therefor, and can remotely obtain the set permission of the user terminal to achieve the early warning of an emergency event and assist a user to perform self-rescue or help-seeking; and the terminal server directly communicates with the user terminal, and the user terminal is forced to enter an emergency mode to perform the operations of adjusting volume, lighting a screen, lighting a flash lamp, prefabricating alarm reminding, and performing broadcasting, perform emergency communication, and transmit a help-seeking signal.



21: 2021/07152. 22: 2021/09/27. 43: 2021/11/03

51: C07C; C07D

71: Qingdao University of Science and Technology

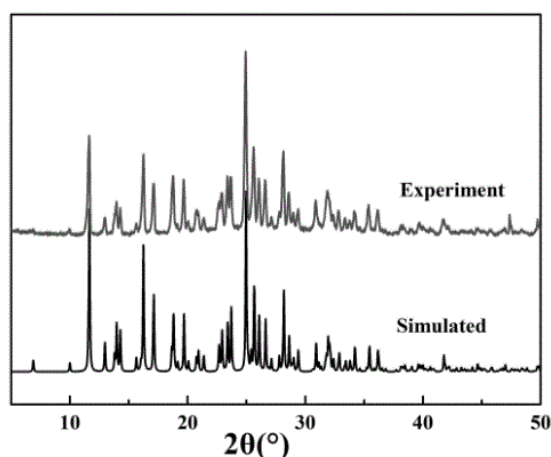
72: WANG, Lei, SUN, Yuexin, DU, Yunmei, ZHANG, Yaping

33: CN 31: 202110601799.X 32: 2021-05-31

54: ORNIDAZOLE PHARMACEUTICAL COCRYSTAL AND PREPARATION METHOD THEREOF

00: -

The present disclosure discloses an ornidazole pharmaceutical cocrystal and a preparation method thereof, belonging to the technical field of pharmaceutical cocrystals. A basic structural unit of the ornidazole pharmaceutical cocrystal provided in the present disclosure comprises an ornidazole molecule and a 4-methylsalicylic acid molecule, and the ornidazole molecule is connected to the 4-methylsalicylic acid molecule via hydrogen bonds; the ornidazole pharmaceutical cocrystal belongs to an orthorhombic system, the space group is P212121; the unit cell parameters: $a=7.0484(8)$, $b=9.4098(13)$, $c=25.566(3)$, $\alpha=90^\circ$, $\beta=90^\circ$, $\gamma=90^\circ$; and the unit cell volume $V=1695.7(4)\text{\AA}^3$; $Z=4$. Based on the various pharmacological effects of the API ornidazole, the thermodynamic stability of the ornidazole pharmaceutical cocrystal provided in the present disclosure has been improved significantly and its chemical properties are stable.



21: 2021/07153. 22: 2021/09/27. 43: 2021/11/03
51: C02F

71: Zhejiang University

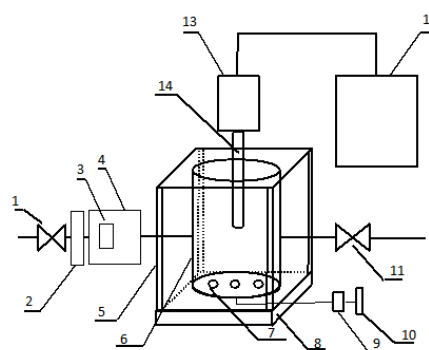
72: DING, Tian, LIAO, Xinyu, LIU, Donghong, CHEN, Shiguo, YE, Xingqian

54: UVC-LED-ULTRASONIC WAVE COMBINED STERILIZATION DEVICE

00: -

The invention discloses a UVC LED-ultrasonic combined sewage treatment device and method, including 1: a water inlet valve; 2: a membrane filtration assembly; 3: a control panel; 4: a high-pressure diaphragm pump; 5: a cup supporting strut; 6: a quartz glass reaction cavity; 7: a UVC LED lamp bead; 8: a driving power supply system; 9: an

adjustable LED driver; 10: a touch speed regulating switch; 11: a drain valve; 12: an ultrasonic sound generator; 13: an ultrasonic transducer; and 14: an ultrasonic probe. By organically combining UVC LED and ultrasonic, the invention not only can effectively disinfect water, but also can realize the purpose of low energy consumption.



21: 2021/07154. 22: 2021/09/27. 43: 2021/11/03
51: A01C

71: HEILONGJIANG ACADEMY OF AGRICULTURAL MACHINERY SCIENCES, HEILONGJIANG WOER AGRICULTURAL EQUIPMENT TECHNOLOGY CO., LTD

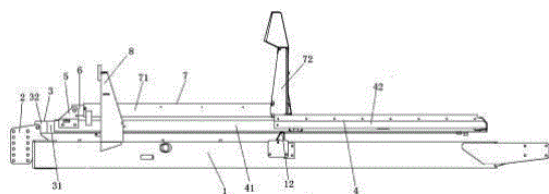
72: QIAN, Xiaohui, ZHANG, Haibin, LIU, Xifeng, CHEN, Weixu, GUO, Yingzhou, JIN, Kunpeng, LI, Bo, XU, Dong, CHEN, Aihui, WU, Hao, TIAN, Jian, SONG, Qiumei, MOU, Xuele

54: NOVEL FERTILIZER DISCHARGING MECHANISM

00: -

A novel fertilizer discharging mechanism is provided, which solves the problems of low stability and uniformity of an existing fertilizer discharging mechanism during fertilizer discharging. The mechanism includes a traction frame base, a traction frame mounted on the traction frame base, a large hydraulic oil cylinder, a lower fertilizer push plate, a driving bracket, a small hydraulic oil cylinder and an upper fertilizer push plate. A cylinder body part of the large hydraulic oil cylinder is connected with the traction frame. An output end of the large hydraulic oil cylinder is connected with the lower fertilizer push plate. The lower fertilizer push plate is provided with the driving bracket. An output end of the small hydraulic oil cylinder is connected with the upper fertilizer push plate. The present invention solves the

problem that fertilizer is difficult to transport in a limited space when a fertilizer box is too long.



21: 2021/07155. 22: 2021/09/27. 43: 2021/11/10

51: B01J; C01G

71: Qingdao University of Science and Technology, Frontier Institute of Nano and Micro Science (Qingdao) Co., Ltd.

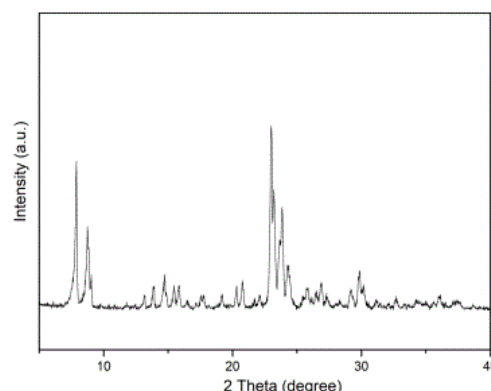
72: WANG, Lei, WANG, Fupeng, LIU, Jia, FU, Ziqi, GUO, Ziyang, FENG, Shouhua

33: CN 31: 202110756320. X 32: 2021-07-05

54: ZSM-5/TiO₂ COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF

00: -

The present disclosure discloses a ZSM-5 molecular sieve/TiO₂ composite material and a preparation method thereof and relates to the technical field of molecular sieve preparation. The preparation method provided herein comprises the following steps: grinding and mixing a silicon source, an aluminum source, ammonium chloride, an organic template, sodium hydroxide and Ti₃AlC₂, and conducting a crystallization reaction, to obtain a composite material precursor; calcining the composite material precursor, to obtain a ZSM-5/TiO₂ composite material. In the present disclosure, there is no need to add a solvent in the process of preparing the ZSM-5/TiO₂ composite material. It is green and environmentally friendly, easy to operate and efficient, and suitable for industrial promotion and application.



21: 2021/07156. 22: 2021/09/27. 43: 2021/11/03

51: H01M

71: Qingdao University of Science and Technology, Weifang Guanghua Fine Chemical Co., Ltd.

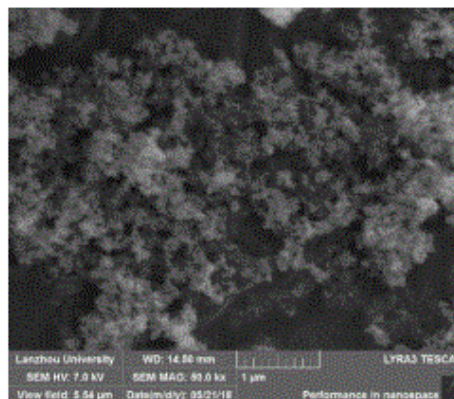
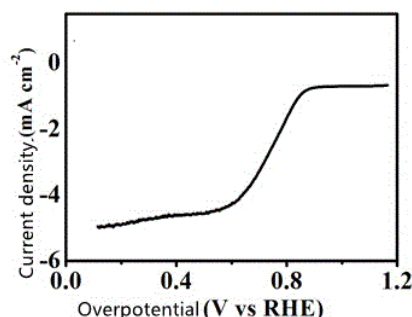
72: WANG, Lei, QU, Huiqi, MA, Yiru, XIAO, Zhenyu, LIU, Jie, LI, Bin

33: CN 31: 202110080103.3 32: 2021-01-21

54: POROUS CARBON-BASED CATALYST BASED ON HOLLOW ZSM-5 AND PREPARATION METHOD THEREOF

00: -

The present disclosure discloses a method for preparing porous carbon-based catalyst based on hollow ZSM-5, comprising the following steps: mixing a hollow ZSM-5 with a solution containing ammonium ions and a solution containing calcium ions sequentially and modifying, to obtain a modified hollow ZSM-5; mixing the modified hollow ZSM-5 with a solution containing platinum ions and impregnating, to obtain a hollow ZSM-5 supported platinum; performing chemical vapor deposition on the hollow ZSM-5 supported platinum using a hydrocarbon as a carbon source, to obtain a hollow ZSM-5 supported uranium-carbon material; mixing the hollow ZSM-5 supported platinum-carbon material with a lye and etching, to obtain a porous carbon-based catalyst. In the present disclosure, by combining the ion exchange modification, wet chemical impregnation method and chemical vapor deposition, a porous carbon-based catalyst is prepared, which has a high specific surface area, a hierarchical porous structure and a high stability.



21: 2021/07157. 22: 2021/09/27. 43: 2021/11/03
51: B01J

71: Qinghai Normal University
72: WANG, Huichun, WEI, Jingjing, WANG, Zhige, HU, Ying, JIA, Huiping, ZHANG, Haoran, GAN, Yuxin, WANG, Zhengli, XIE, Huichun, WANG, Fachun

33: CN 31: 202011016456.9 32: 2020-09-24

54: MAGNETIC CARBON-SUPPORTED TiO₂ PHOTOCATALYST AND PREPARATION METHOD THEREOF

00: -

The present disclosure provides a magnetic carbon-supported TiO₂ photocatalyst, including Fe₃O₄, a carbon material coated on a surface of the Fe₃O₄ and TiO₂ supported on a surface of the carbon material. In the present disclosure, the carbon material is used as a support to facilitate the loading of TiO₂, thereby improving catalytic performance of the photocatalyst; the Fe₃O₄ is used as a magnetic core, and the Fe₃O₄ and the TiO₂ are tightly combined through the carbon material, such that the photocatalyst has relatively strong magnetic properties, which is conducive to the recycling of the photocatalyst. The magnetic carbon-supported TiO₂ photocatalyst provided by the present disclosure catalyzes degradation of methylene blue under ultraviolet light (UV) with a degradation rate up to 99.61%; meanwhile, the magnetic carbon-supported TiO₂ photocatalyst has a recovery rate up to 98.57%, and still has a relatively desirable catalytic effect after being recycled for eight times.

21: 2021/07158. 22: 2021/09/27. 43: 2021/11/03
51: A01G

71: Jiangsu Marine Fisheries Research Institute
72: Deng Yinyin, Zhou Wei, Hu Chuanming, Tian Cuicui, Xu Guangping

54: THE CONCHOCELIS GERMLASM PREPARATION METHOD FOR BANGIA FUSCOPURPUREA

00: -

The present invention provides a method for preparing the conchocelis germplasm of *Bangia fuscopurpurea*, including the following steps: 1) placing the algae in sterilized seawater for resuscitation and cultivation; 2) washing the algae above with sterilized seawater, drying it in the shade and freezing preservation; 3) taking out the frozen algae, placing it in sterile seawater again for resuscitation and culture, cutting off the base of the algae, washing the remaining algae with 2% citric acid, and then rinsing it with sterile seawater; 4) placing the algae obtained in step 3) in sterilized seawater for static culture, and the conchocelis germplasm of *Bangia fuscopurpurea* are finally obtained; the method can preserve the germplasm of wild species of *Bangia fuscopurpurea*, to protect the natural population diversity. And preservation of the germplasm with excellent characters will provide competent germplasm for the industrial cultivation of *Bangia fuscopurpurea*.

21: 2021/07159. 22: 2021/09/27. 43: 2021/11/10
51: H04L

71: Huainan Normal University
72: Du Jun, Wang Limin, Xiang Wei

54: METHOD FOR DETECTING THE CONSENSUS OF MULTI-AGENT SYSTEMS

00: -

The invention discloses a method for detecting the consensus of multi-agent systems, which comprises the following steps: firstly, according to the quasi-human social characteristics of the multi-agent systems, through analyzing the systems characteristics, selecting the sending and receiving communication rate in the work cycle of the agent in the communication process as a measurement index, and taking the measurement index as a judgment index for the comparison of the multi-agent systems; secondly, collecting and storing the action characteristic information of the tested agent, and then further processing the stored data through a data processing module to obtain a set of agent indexes for consensus detection. According to the invention, a plurality of adjacent nodes are arranged on the agents, so that the intelligibility of agent sign collection is improved, and the initial conditions of a plurality of agents are ensured to be the same, and the influence of external reasons on consensus detection is eliminated; therefore, the detection accuracy is improved, and intuitive comparison of data differences is facilitated, so that it is convenient for the staff to carry out the comparison and analysis; therefore, the method has high economic value.

21: 2021/07160. 22: 2021/09/27. 43: 2021/11/10
51: C05G

71: Qingdao Agricultural University
72: Sun Zhijuan, Zheng Xiaodong, Wang Caihong, Tian Yike, Ma Changqing

54: NOVEL COMPOUND FOR IMPROVING PLANT RESISTANCE TO SOIL ACID STRESS AND PREPARATION METHOD THEREOF

00: -

The invention discloses a novel compound for improving plant resistance to soil acid stress and a preparation method thereof, and relates to the technical field of novel compounds for plant resistance to soil acid stress. The novel compound for improving the resistance of plants to soil acid stress and the preparation method thereof can promote the growth of plants, improve the acid stress resistance of plants and enhance the acid stress resistance of plants by spraying products with certain concentration of BR and strigolactone as effective components on the roots or leaves of seedlings. It can obviously improve the growth status

of plants under acid stress and the ability of plants to resist acid stress, thus effectively alleviating the problem of crop yield and quality decline caused by acid stress.

21: 2021/07161. 22: 2021/09/27. 43: 2021/11/10
51: C05G

71: Qingdao Agricultural University
72: Zheng Xiaodong, Sun Zhijuan, Wang Caihong, Tian Yike, Ma Changqing

54: APPLICATION METHOD OF NOVEL COMPOUND IN IMPROVING THE RESISTANCE OF PLANTS TO SOIL ACID STRESS

00: -

The invention discloses an application method of a novel compound in improving the resistance of plants to soil acid stress, and relates to the technical field of novel compounds for plant resistance to soil acid stress. The effective components of the compound are the mixed solution of BR and strigolactone. By spraying a product with certain concentration of BR and strigolactone as effective components on the roots of plant seedling or on the leaves of seedlings, the novel compound for improving the resistance of plants to soil acid stress and the preparation method thereof can promote the growth of plants, improve the acid stress resistance of plants, enhance the acid stress resistance of plants, obviously improve the growth condition of plants under acid toxicity stress and obviously improve the acid stress resistance of plants, thereby effectively reducing the problem of crop yield and quality decline caused by acid stress.

21: 2021/07162. 22: 2021/09/27. 43: 2021/11/10
51: A01H

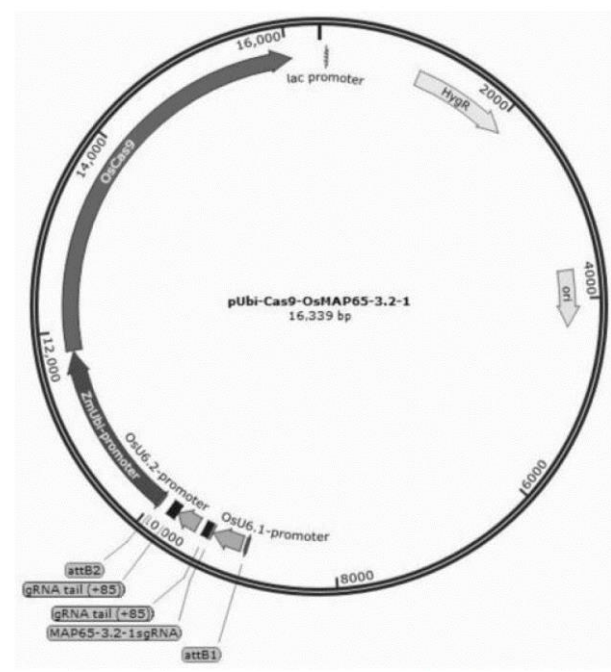
71: Jiangxi Agricultural University
72: He Haohua, Lin Xiaoli, Zeng Chuihai, Zhu Changlan, Cai Yicong, Fu Junru, Chen Xiaorong, Xu Jie, Song Yongping, Jiang Zhishu, Peng Limei

54: TWO OLIGO DNA GROUPS FOR TARGETED KNOCKING OUT SGRNA OF RICE OSMAP65-3.2 GENE

00: -

The invention provides a sgRNA for knocking out rice OsMAP65-3.2(LOC_Os01g49200) gene. According to the rice OsMAP65-3.2 gene, designing the sgRNA sequence based on CRISPR/Cas9, connecting the DNA fragment encoding the sgRNA sequence to the vector carrying CRISPR/Cas9 to

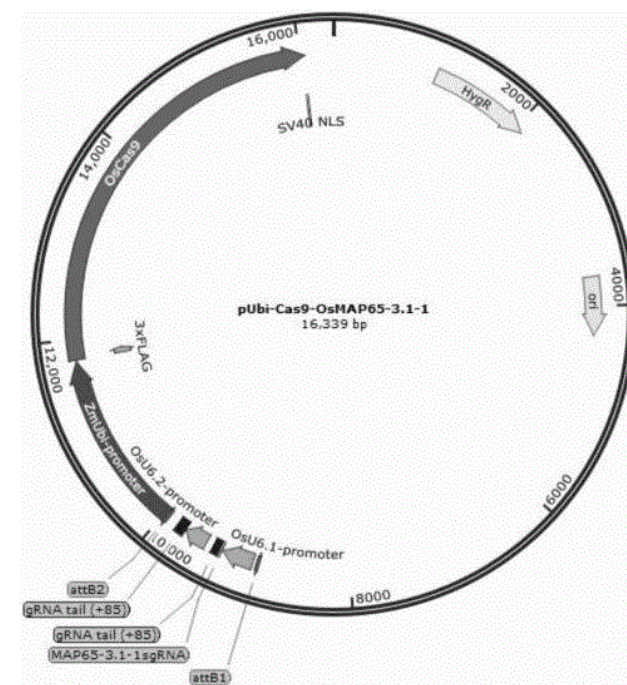
transform rice, and thus realizing the knockout of rice OsMAP65-3.2 gene. Therein the nucleotide sequence of sgRNA action site is shown as SEQ ID NO.1 and SEQ ID No.2. According to the invention, the rice endogenous gene OsMAP65-3.2 is edited by the CRISPR-CAS9 technology, and thereby obtaining the OsMAP65-3.2 knockout mutant. The sgRNA prepared by the invention can efficiently, rapidly and accurately target the rice OsMAP65-3.2 gene, and has certain significance in basic research (rice mitosis) and production practice (rice high-yield breeding and stress-resistant breeding).



21: 2021/07163. 22: 2021/09/27. 43: 2021/11/03
51: A01H
71: Jiangxi Agricultural University
72: He Haohua, Lin Xiaoli, Qiu Jiao, Zhu Changlan, Zhou Dahu, Xu jie, Fu Junru, Fu Haihui, Song Yongping, Jiang Zhishu, Peng Limei
54: TWO TARGETED KNOCKOUT OLIGO DNA GROUPS OF THE SGRNA OF RICE OSMAP65-3.1 GENE

00: -
The present invention provides two sgRNAs that knock out rice OsMAP65-3.1 (LOC_Os05g47970) genes. Design two CRISPR/Cas9-based sgRNA sequences for the rice OsMAP65-3.1 gene, the DNA fragment containing the sgRNA sequence encoding is ligated into the vector carrying CRISPR/Cas9, the rice OsMAP65-3.1 gene is knocked out through

Agrobacterium transformation of rice. Among them, the nucleotide sequence of the sgRNA action site is shown in SEQ ID NO.1 and SEQ ID NO.2. The present invention edits the rice endogenous gene OsMAP65-3.1 through the CRISPR-CAS9 technology, and obtains two OsMAP65-3.1-1 and OsMAP65-3.1-2 knockout mutants. The sgRNA prepared by the invention can efficiently, quickly and accurately target the rice OsMAP65-3.1 gene, it has certain significance in basic research (mitosis of rice) and production practice (high-yield breeding and resistance breeding of rice).



21: 2021/07164. 22: 2021/09/27. 43: 2021/11/03
51: A23L
71: Qingdao Agriculture University
72: Guo Liping, Xiao Junxia, Zhu Yinglian, Tang Juan
54: VEGETABLE SEASONING POWDER RICH IN ISOTHIOCYANATES AND ITS PRODUCTION METHOD

00: -
The invention relates to a vegetable seasoning rich in isothiocyanates and a production method, and belongs to the technical field of food processing. The vegetable seasoning powder rich in isothiocyanates contains the powder of Brassicaceae mature vegetables and their sprout powder. The weight ratio of the mature vegetable powder of Brassicaceae to the sprout powder is 1:1–5, and the content of

isothiocyanates in the vegetable seasoning powder is 800-2500 mg/100g dry weight. Specifically, the isothiocyanates-rich vegetable seasoning uses Brassicaceae vegetables or their sprouts as raw materials, then selecting, washing, heat treatment, freezing, enzymolysis, drying, and ultra-fine pulverization to prepare vegetable powder; then is prepared by compounding salt, monosodium glutamate, garlic powder, ginger powder, green onion powder, onion powder, chili powder, star anise powder and Chinese pepper powder, sterilizing and packaging. The production process of the invention is simple, the formula is reasonable and scientific, and can be industrially produced. The content of isothiocyanates in the obtained product is 800-2500 mg/100g dry weight, which is an ideal health-care seasoning.

21: 2021/07165. 22: 2021/09/27. 43: 2021/11/03
51: C04B

71: Beihua University

72: Yang Xujiao, Chang Guangli, Zhao Huan

**54: HIGH-STRENGTH THERMAL INSULATION
CONCRETE FOR ALPINE DAMS AND
PREPARATION METHOD THEREOF**

00: -

The invention discloses high-strength thermal insulation concrete for alpine dams and a preparation method thereof, belonging to the technical field of building materials. The raw materials of the high-strength thermal insulation concrete for alpine dams comprise, by mass, 200-250 parts of Portland cement, 500-600 parts of coarse aggregate, 850-1000 parts of lightweight aggregate, 50-80 parts of fiber material, 20-40 parts of isooctyl phosphate and 100-120 parts of water. According to the high-strength thermal insulation concrete for alpine dams, the preparation steps are optimized, and the prepared high-strength thermal insulation concrete for alpine dams has high strength after curing, and simultaneously has a thermal insulation function and excellent frost resistance.

21: 2021/07168. 22: 2021/09/27. 43: 2021/11/03
51: G01C

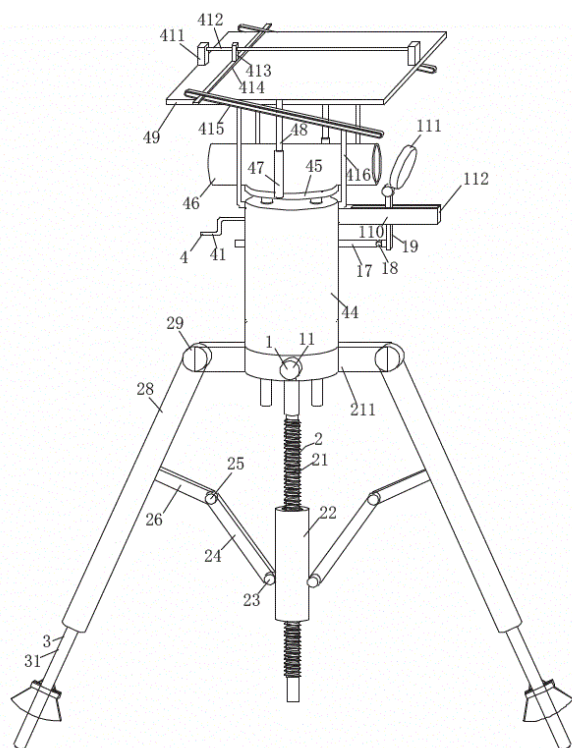
71: ANHUI UNIVERSITY OF SCIENCE AND
TECHNOLOGY

72: LI, Jingxian, BIAN, Tingyu, WANG, Yi, LI, Dong

**54: SURVEYING INSTRUMENT BASED ON
SATELLITE POSITIONING SYSTEM**

00: -

The disclosure herein relates to the technical field of surveying instruments, and in particular to a surveying instrument based on a satellite positioning system, which includes a lens opening mechanism, a bracket mechanism, a support mechanism and a cleaning mechanism, where the lens opening mechanism opens a lens cover by clockwise rotating a rotary handle while a first rotary rod drives a screw to rotate, and the screw rotates so that a screw barrel moves downward to open a first support leg. During the anticlockwise rotation of the rotary handle, the lens cover covers the surveying instrument to prevent dust from falling onto a lens of the surveying instrument, and the first support leg is folded at the same time. When the surveying instrument is used in a silt or sludge environment with a soft texture, a second support leg is pulled, a steel wire rope in the second support leg pulls a support frame, then the support frame is unfolded and drives support cloth to be spread; and when the support cloth is spread, the support force on the second support leg is increased. In this way, the second support leg does not easily sink down in the silt or sludge environment with a soft texture. When a flashing board of the surveying instrument is retracted, a windshield wiper cleans away the rainwater on the flashing board along a guide slot.



21: 2021/07169. 22: 2021/09/27. 43: 2021/11/03
51: B65G

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

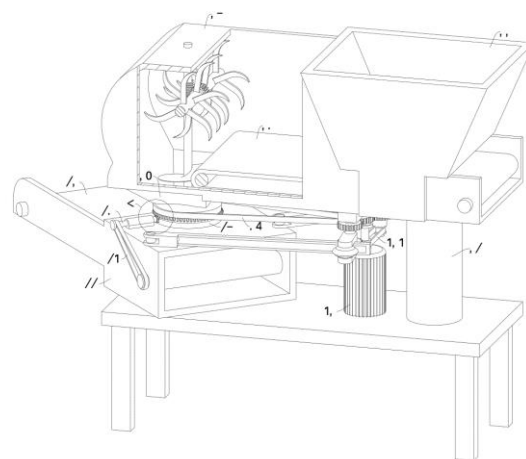
72: WANG, Shuang, MA, Xin, LI, Deyong, GUO, Yongcun, HU, Kun, WANG, Wenshan

54: COAL MINE TRANSPORTATION DEVICE WITH TRANSPORTATION ROUTE PLANNING FUNCTION

00: -

The present invention relates to the technical field of coal mine transportation, and more particularly relates to a coal mine transportation device with a transportation route planning function. The coal mine transportation device with a transportation route planning function includes a feeding mechanism, a steering mechanism, a crushing mechanism, a discharging mechanism, a base and a driving mechanism, wherein a bottom of one end of the feeding mechanism is connected with the crushing mechanism, a bottom of the crushing mechanism is rotationally connected with the discharging mechanism, the base is disposed under the discharging mechanism, the driving mechanism is disposed at one side of the discharging mechanism, a bottom of the driving mechanism is fixed to an upper surface of the base, and the steering

mechanism is connected between a top of the driving mechanism and a bottom of the feeding mechanism. The coal mine transportation device designed by the present invention uses a design of the discharging mechanism, achieves flexible steering and light weight, and can complete transportation route planning and adjustment under the condition of limited operation space in a mine road. Additionally, the discharging mechanism adopts a suspended design, the route planning of the coal mine transportation can be fast completed through the steering mechanism even the surface of the mine road is rugged and uneven, and the coal transportation efficiency is effectively improved.



21: 2021/07170. 22: 2021/09/27. 43: 2021/11/03
51: B21D

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

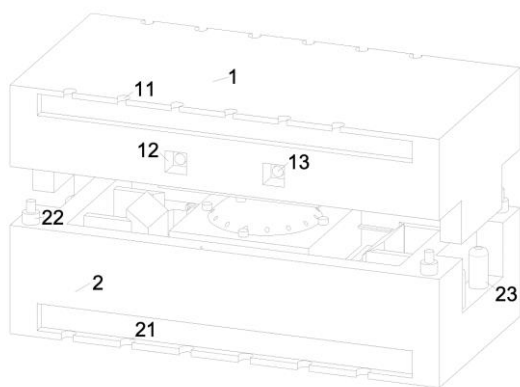
72: ZHANG, Guorong, LI, Xiaokai, XU, Chao, HU, Guanghui

54: METAL DOME STAMPING DIE

00: -

The disclosure relates to the technical field of stamping dies, and specifically relates to a metal dome stamping die, including an upper die and a lower die. The stamping die further includes a pressing mechanism and a driven mechanism; the pressing mechanism is arranged in a cavity of the upper die; the driven mechanism is arranged in a cavity of the lower die; the upper die and the lower die cooperate with each other; two sides of a top of the upper die are provided with upper die clamping holes; two sides of a bottom of the lower die are provided with lower die clamping holes; an upper

surface of the lower die is fixedly connected with four balance cylinders; the balance cylinders are arranged at two ends of the lower die, respectively; the two balance cylinders of one end are away from each other. The stamping die is smoothly released, so that the phenomenon that a stamping part is locked is avoided, the stop time of an assembly line is reduced, and the production efficiency is greatly improved. Meanwhile, the stamping die dynamically lubricates a moving assembly. In the working process, continuous lubrication guarantees timely lubrication of the moving assembly, which prolongs the service life of the moving assembly and reduces the maintenance cost. Moreover, the stop lubrication time is reduced, and the production efficiency is further improved.

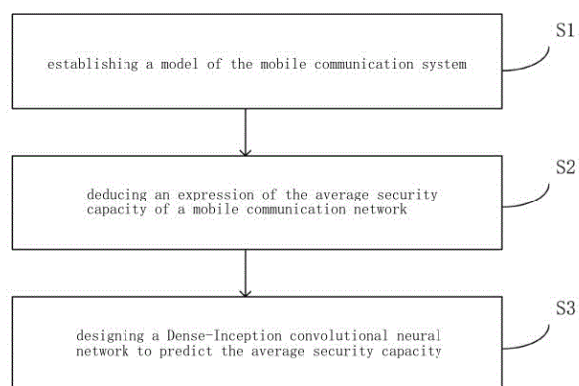


21: 2021/07171. 22: 2021/09/27. 43: 2021/11/03
51: G06N; H04W
71: Qingdao University of Science and Technology
72: XU, Lingwei, ZHOU, Xinpeng, TAO, Ye, HUANG, Lingling, YU, Xu, DUAN, Yanyan, LI, Hui
33: CN 31: 202110357718.6 32: 2021-04-01
54: METHOD FOR PREDICTING SECURITY CAPACITY PERFORMANCE OF MOBILE COMMUNICATION SYSTEM

00: -

The invention discloses a method for predicting security capacity performance of a mobile communication system, comprising: establishing a model of the mobile communication system, deducing the security capacity expressions of the mobile communication system, and designing a Dense-Inception convolutional neural network to predict the average security capacity. According to the invention, the expressions for the average security capacity of the mobile communication system are deduced through the above steps, and

then the security capacity performance of the mobile communication system is intelligently predicted based on the Dense-Inception convolutional neural network, so that compared with the existing CNN neural network, BP neural network, extreme learning machine, local weighted linear regression, and support vector machine methods, the better security performance prediction effect can be achieved.

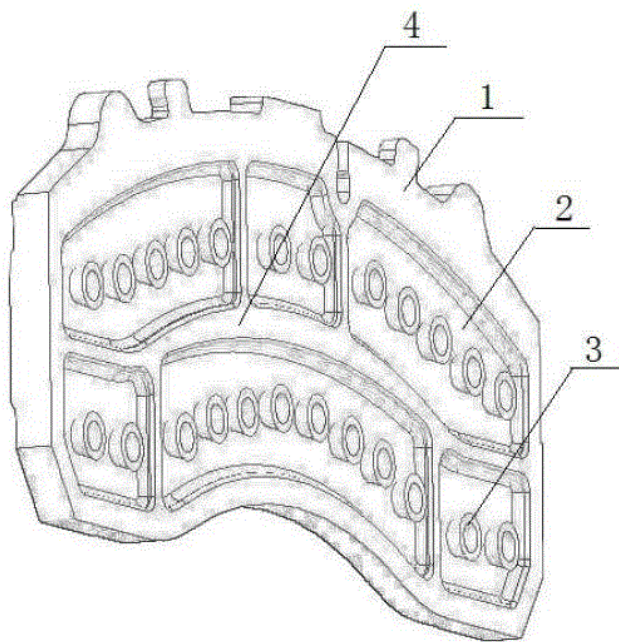


21: 2021/07172. 22: 2021/09/27. 43: 2021/11/10
51: B22C; F16D

71: Yantai Xingchuang Automobile Parts Co., Ltd.
72: FENG, Xingping, YUAN, Kaixu, DU, Po
33: CN 31: 202011063374.X 32: 2020-09-30
54: BACK PLATE STRUCTURE, BACK PLATE MANUFACTURING MOULD AND PRODUCTION PROCESS FOR PREVENTING BRAKE PAD FROM FALLING OFF

00: -

The invention belongs to the field of a brake pad, and particularly relates to a back plate structure, a back plate manufacturing mould and a production process for preventing brake pad from falling off. A concave face area is arranged on the side face of the back plate in contact with the friction material, a plurality of falling pattern drawing convex nails integrally formed with the back plate body is arranged in the concave face area, the structure of the falling pattern drawing convex nail is that the peripheral size of the top end is larger than that of the bottom, the upper surface of the protrusive structure is an inwardly concave arc face, and meanwhile, a complete set of moulds is manufactured to produce back plate. The application meets the requirements of the existing large automobile on light weight and high performance of a brake pad.



21: 2021/07173. 22: 2021/09/27. 43: 2021/11/10
51: A01G

71: Research Institute of Forestry, Chinese Academy of Forestry

72: Li Bin, Zheng Yongqi, Lin Furong, Guo Wenying, Huang Ping

54: METHOD FOR IMPROVING THE SURVIVAL RATE OF THE GRAFTED REPRODUCTION OF THE PINUS BUNGEANA ZUCC. VARIANT TYPE

00: -

The invention discloses a method for improving the survival rate of the grafted reproduction of the variant type of *Pinus bungeana* Zucc.. The method disclosed in the present invention includes: grafting the scion to the rootstock by the high side connection method, completing the grafting, and obtaining the grafted plant. The scion is variant *Pinus bungeana* Zucc. or *Pinus bungeana* Zucc.; the variant *Pinus bungeana* Zucc. is potted *Pinus bungeana* Zucc.; the rootstock is *Pinus tabuliformis* Carr. or *Pinus bungeana* Zucc.; grafting the scion to the rootstock by the high side connection method includes: cutting the scion into incisions to obtain a scion with incisions, cutting the rootstock with an incision at a position 2 centimeters to 5 centimeters below the main apical bud or upper branch apical bud to obtain the rootstock with incision; butting the scion with the incision and the rootstock with the incision to complete the grafting. The general survival rate of grafting *Pinus bungeana* Zucc. using the method disclosed in the present

invention is about 90 percent, the affinity is strong, and the growth is fast. The method can be applied to breed new varieties of *Pinus bungeana* Zucc., establish *Pinus bungeana* Zucc. germplasm resource clonal collection nursery, and breed excellent *Pinus bungeana* Zucc. clones in production.



21: 2021/07174. 22: 2021/09/27. 43: 2021/11/10
51: A01G

71: Research Institute of Forestry, Chinese Academy of Forestry

72: Li Bin, Zheng Yongqi, Lin Furong, Guo Wenying, Huang Ping

54: RAPID PROPAGATION METHOD OF AKEBIA DECNE PLANTS BY CUTTAGE

00: -

The invention discloses a method for rapid propagation of *Akebia Decne* plants by cuttage in the Yangtze River basin region in spring, which

comprises the following steps: preparation of aseptic rooting dressing for incision, preparation of cuttage medium, preparation of cuttings, cuttage and post-cuttage management, wherein the cuttings can be removed out of the nursery in autumn or winter of the same year. The method provided by the invention has the characteristics of high propagation coefficient, fast propagation speed, high seedling rate, robust seedlings, developed roots, large seedling emergence per unit area and the like, and greatly reduces the production cost of seedlings while maintaining the characteristics of superior *Akebia Decne* varieties. Therefore, it is suitable for large-scale planting and production so as to deliver good economic and social benefits.

21: 2021/07175. 22: 2021/09/27. 43: 2021/11/10
51: H02K

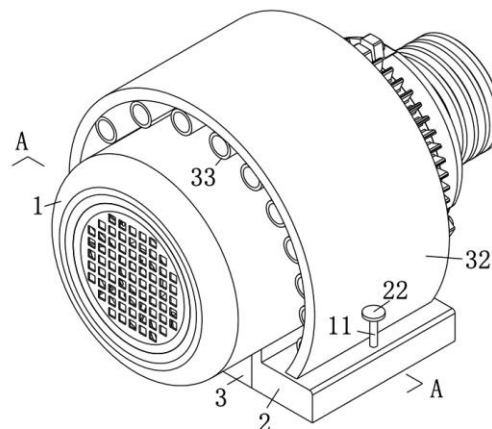
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: LI, Xiaokai, XU, Chao, HU, Guanghui, ZHANG, Guorong, LU, Kaiwen

54: HIGH-PERFORMANCE SERVO MOTOR

00: -

The disclosure discloses a high-performance servo motor, which includes a motor body, and further includes supporting plates symmetrically fixedly connected to two lower sides of the motor body. A connection plate is fixedly connected between the supporting plates. An accommodating cavity and a cavity are respectively formed in the supporting plates and the connection plate. The accommodating cavity communicates with the cavity. The accommodating cavity is internally rotatably connected with a first gear. Left and right sides of the first gear are respectively meshed with a first rack and a second rack. The first rack is fixedly connected with a moving plate. The moving plate is internally penetrated with a movable rod. A bottom end of the movable rod is fixedly connected with a threaded rod. A bottom of the accommodating cavity is provided with a threaded hole. The threaded hole is matched with the threaded rod. The disclosure achieves a cleaning effect on the bottom of the motor body while realizing installation of the motor body, and achieves a heat dissipation effect on the bottom of the motor body when the motor body works.



21: 2021/07176. 22: 2021/09/27. 43: 2021/11/10
51: F16C; F16N

71: Shijiazhuang Meidi Washing Equipment Co., Ltd.

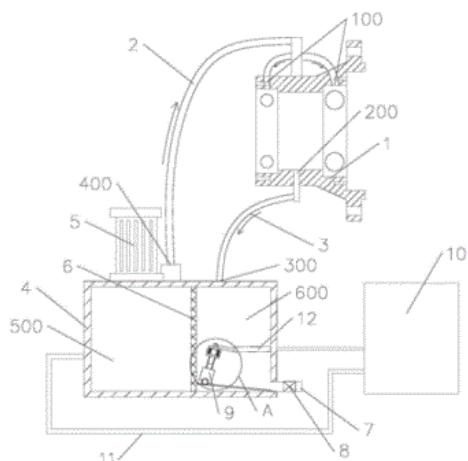
72: ZHANG, Baolun, SUN, Wenjin, YIN, Bowen

33: CN 31: 202110311085.5 32: 2021-03-24

54: AUTOMATIC LUBRICATING SYSTEM AND METHOD FOR POWER BEARING OF WASHING MACHINE

00: -

The present invention provides an automatic lubricating system for a power bearing of a washing machine, including a bearing seat body, an oil inlet pipeline, an oil outlet pipeline, an oil tank and an oil pump, wherein first oil inlets and a first oil outlet are formed in the bearing seat body; one end of the oil inlet pipeline communicates with the first oil inlets; one end of the oil outlet pipeline communicates with the first oil outlet; a second oil inlet and a second oil outlet are formed in the oil tank, the second oil inlet communicates with the other end of the oil outlet pipeline, and the second oil outlet communicates with the other end of the oil inlet pipeline; and the oil pump is arranged on the oil tank. Further provided is an automatic lubricating method for a power bearing of a washing machine.



21: 2021/07178. 22: 2021/09/27. 43: 2021/11/10

51: G01M

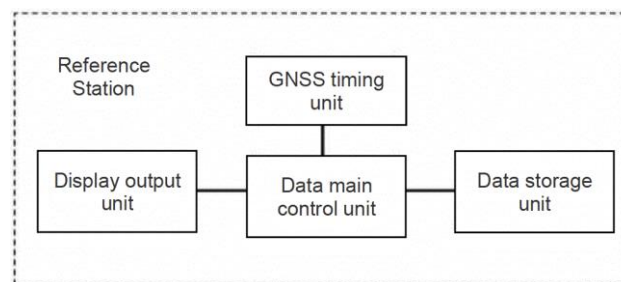
71: Northwest University

72: Wang Jiading, Gu Tianfeng, Dong Haoyu, Wang Fei

54: MULTI-PARAMETER INTELLIGENT ACQUISITION SYSTEM FOR VIBRATION OF HEAVY-HAUL RAILWAY TRAINS

00: -

This invention provides multi-parameter intelligent acquisition system for vibration of heavy-haul railway trains which comprises: The reference station that comprises data main control unit, display output unit, data storage unit and GNSS authorization unit, wherein the display output unit, the data storage unit and the GNSS authorization unit are all electrically connected with the data main control unit. At least one roving station in wireless communication with the reference station, the roving station comprises data main control unit, data storage unit, GNSS authorization unit, analog-to-digital converter unit and data acquisition unit which are all electrically connected with the data main control unit. According to the invention, the problem of data loss caused by environmental influence in the transmission process due to long-time data transmission can be solved by GNSS differential timing technology and cyclic closed storage mode.



21: 2021/07179. 22: 2021/09/27. 43: 2021/11/10

51: A01G

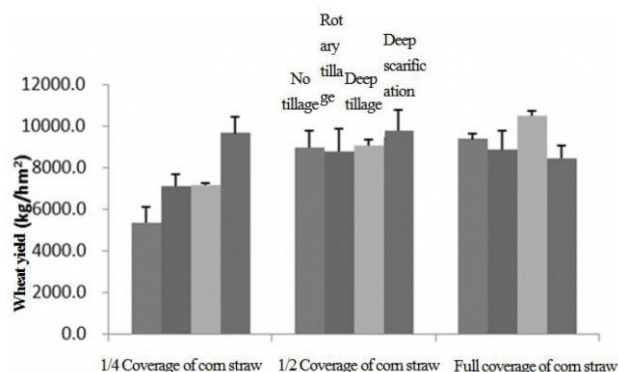
71: Shandong Academy of Agricultural Sciences

72: Zhang Yingpeng, Li Yan, Sun Ming, Zhong Ziwen, Liu Zhaohui

54: WHOLE-PROCESS MECHANIZED HIGH-YIELD AND SYNERGISTIC PLANTING METHOD OF WINTER WHEAT IN HUANG-HUAI-HAI FLUVO-AQUIC SOIL AREA

00: -

The invention relate to a whole-process mechanized high-yield and synergistic planting method of winter wheat in that fluvo-aquic soil area of Huang-Huai-Hai, which comprises the following step of: preparing soil before sowing, and adopting different land preparation modes according to different corn straw coverage: if the corn straw is fully covered, the deep tillage operation is adopted for 1-2 times of soil preparation; if the covering amount of corn straw is 1/2, subsoiling the soil for 1-2 times by using a deep turning or rotary tiller with subsoiling function; if the covering amount of corn straw is 1/4, the rotary tiller with subsoiling function is used to subsoil the soil for 1-2 times. According to the method provided by the invention, aiming at the returning amount of the fluvo-aquic soil and the corn straw and matching with a suitable mechanical farming mode, the complete decomposition of the straw in the soil can be realized, and meanwhile, the phenomena that the seedling emergence is affected by the false sowing and the seedlings compete for fertilizer cannot occur; which really solves the impact of the shortage of rural labor force on agricultural production. While the consumption is reduced to ensure the yield, its nutrient utilization rate is obviously improved, the risk of loss is reduced, and it has good environmental and economic benefits.



21: 2021/07180. 22: 2021/09/27. 43: 2021/11/10

51: F23G: F23J

71: Tibet University

72: LV, Xuebin, XIONG, Jian, LI, Wei, FENG, Wenli,

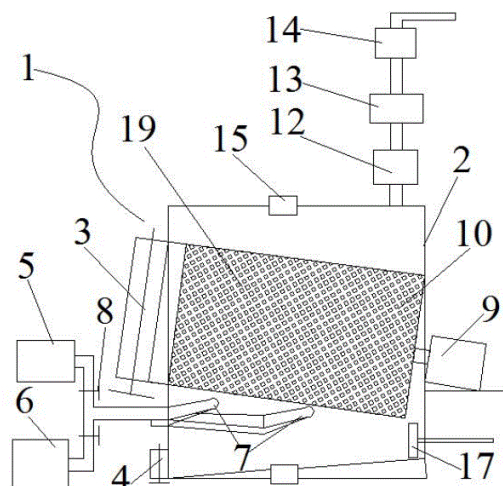
REN, Guoquan, DAN, Zeng, BU, Duo

33: CN 31: 202120295093.0 32: 2021-02-02

54: SOLID WASTE INCINERATION PROCESSING DEVICE IN PLATEAU AREA

00: -

The present disclosure discloses a solid waste incineration processing device in a plateau area, including an incinerator body, a self-rotating combustion cylinder, a smoke processing mechanism, and a controller. The incinerator body is provided with a self-rotating combustion cylinder horizontally. Sieve meshes are evenly distributed on the self-rotation combustion cylinder. One end of the self-rotating combustion cylinder is hermetically provided with a feed port. The feed port enters a material that is crushed and added with a chlorine absorption agent. A fuel device is arranged in the incinerator body. The fuel device is communicated with a pipeline that is introduced with fuel gas and oxygen, respectively. The fuel device is positioned below the self-rotating combustion cylinder. A top of the incinerator body is provided with a smoke processing mechanism. A bottom of the incinerator body is provided with a material discharge port for discharging slag.



21: 2021/07181. 22: 2021/09/27. 43: 2021/11/10

51: E03F

71: Tibet University

72: LI, Wei, XIONG, Jian, LV, Xuebin, WANG, Yilin,

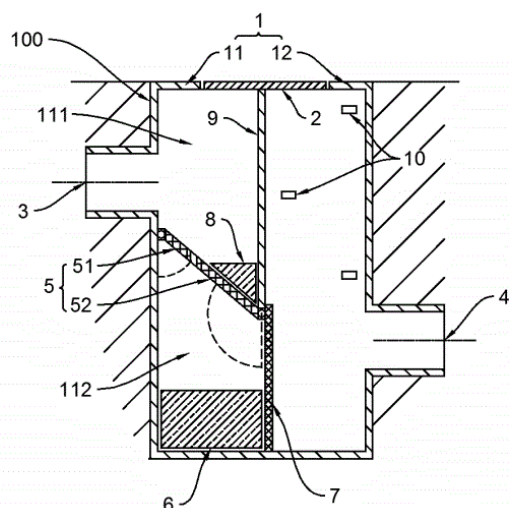
BU, Duo, DAN, Zeng, ZHANG, Qiangying

33: CN 31: 202120118528.4 32: 2021-01-18

54: MUNICIPAL RAINWATER PURIFYING DEVICE

00: -

The present utility model discloses a municipal rainwater purifying device comprising a drainage well. Two sides of the inner wall of the drainage well are provided with a water inlet and a water outlet, a partition wall is vertically arranged in the drainage well, a secondary filter screen is detachably connected between the underneath of the partition wall and the bottom end of the drainage well, the partition wall and the secondary filter screen divide the drainage well into a first well and a second well, the water inlet is communicated with the first well, the water outlet is communicated with the second well, the first well is arranged therein with an inclined filter screen, the inclined filter screen is divided into an upper first channel and a lower second channel in the first well, and a first collecting net is arranged in the second channel.



21: 2021/07183. 22: 2021/09/27. 43: 2021/11/10
51: G01N

71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

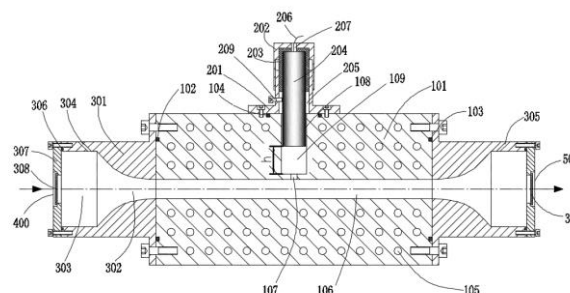
72: CHENG, Gang, CHEN, Jie, CAO, Jianbing, SONG, Donghua, ZHOU, Junpeng, CAO, Yanan, TIAN, Xing

54: PHOTOACOUSTIC CELL WITH ANTI-NOISE FUNCTION

00: -

The disclosure herein relates to a photoacoustic cell with an anti-noise function, which includes a resonant cavity body with a resonant cavity. Both ends of the resonant cavity body are each detachably fixedly connected to a buffer cavity assembly, the buffer cavity assembly includes a buffer cavity body group with a buffer cavity, the two buffer cavities at both ends communicate with each other through the resonant cavity and are coaxially distributed, a light entrance and a gas inlet distributed in manner of inclining at 45 degrees are disposed in the buffer cavity body group at one end, a light exit and a gas outlet distributed in manner of inclining at 45 degrees are disposed in the buffer cavity body group at the other end, the gas inlet and the gas outlet communicate with the resonant cavity through the buffer cavities at corresponding ends respectively, and a quartz window is fixed to each of the light entrance and the light exit. The gas inlet and the gas outlet disposed on buffer cavity bodies of the photoacoustic cell provided by the disclosure herein are distributed in manner of inclining at 45 degrees, so that gas flow can mildly enter from the gas inlet, passes through the buffer cavities and the

resonant cavity to the gas outlet and exits, which reduces a gas flow vortex effect in a buffer cavity, and thus, gas flow regeneration noise is reduced.



21: 2021/07184. 22: 2021/09/27. 43: 2021/11/10
51: G01N

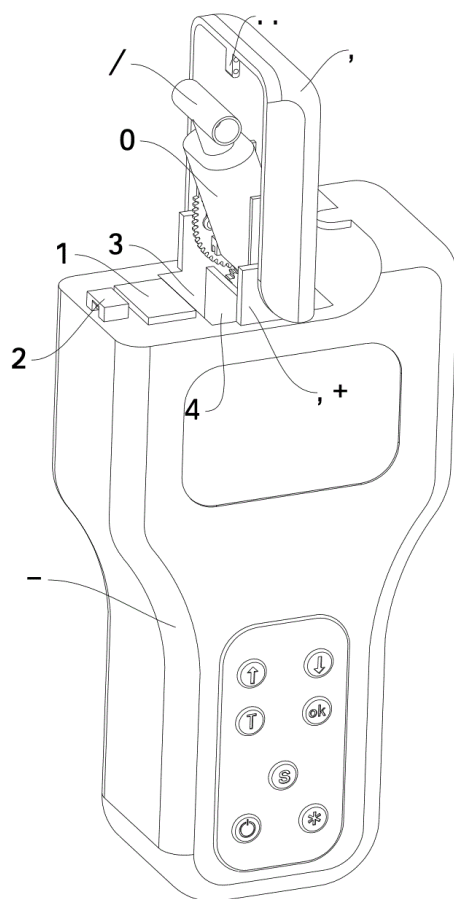
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: LI, Jingxian, BIAN, Tingyu, WANG, Yi, LI, Dong

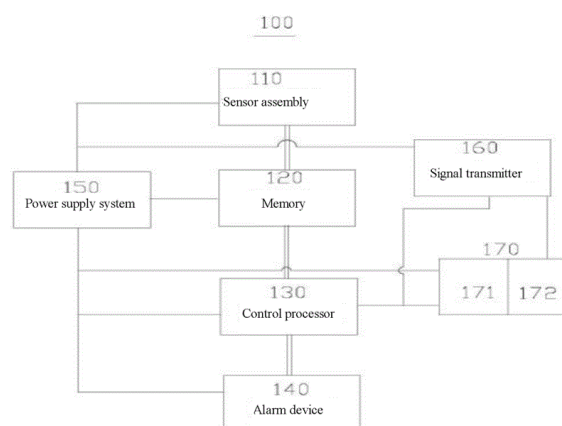
54: GAS DETECTOR FOR ENVIRONMENTAL DETECTION

00: -

The disclosure herein relates to the technical field of gas detection, and in particular to a gas detector for environmental detection, which includes a top cover, a device main body, a sensor chamber, a drive motor, a gear transmission mechanism, a self-locking mechanism and a protecting apparatus. A middle portion of a top end of the device main body is provided with the top cover, a recessed hole is provided in a middle portion of a bottom end of the top cover, both sides of the bottom end of the top cover are provided with a sector plate respectively, and an upper end of each sector plate is provided with a square plate; a middle portion of one side of the top cover is provided with the sensor chamber, and one side of the sensor chamber is provided with the gear transmission mechanism; a storage chamber is provided below the sensor chamber, an air inlet is fixing to a top end of the sensor chamber, a bottom end of the sensor chamber is connected to an exhaust hole, and both sides of the sensor chamber are provided with the protecting apparatus. The disclosure herein is simple and practical in structure, and automatically extends and retracts with the cooperation of all mechanisms to achieve functions of dust prevention, protection and the like.



time by monitoring the patient's physical signs in real time.



21: 2021/07185. 22: 2021/09/27. 43: 2021/11/10
51: A61B

71: Chongqing University Cancer Hospital
72: Jing Zhao, Jian Huang, Huan Zhang, Xiaohua Zeng, Meng Lin, Yadi Li, Hongzhu Tao, Cheng Li, Hairong Xiong

54: MEDICAL MONITORING SYSTEM AND APPLICATION, MEDICAL MONITORING DEVICE AND MONITORING-ALARMING METHOD

00: -

The invention provides a medical monitoring system and application, a medical monitoring device and a monitoring-alarming method, belonging to the field of medical care. According to the medical monitoring system provided by the invention, the physical sign parameters of others are tracked and monitored by sensors to obtain the real-time conditions of patients, and then the parameters are processed by a processor, and if abnormal conditions exist, early warning treatment can be timely carried out; the monitoring device can facilitate monitoring; the monitoring-alarming method can also remind the medical staff to deal with various emergencies in

21: 2021/07186. 22: 2021/09/27. 43: 2021/11/10

51: A61K; A61P

71: QIN, Xianhao

72: QIN, Xianhao

54: TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SORE MOUTH

00: -

The present disclosure discloses a traditional Chinese medicine composition for treating sore mouth. The traditional Chinese medicine composition is prepared from the following raw materials: alchornea trewioides leaves, lespedeza cuneata, dicliptera chinensis, polygonum chinense and salt. The traditional Chinese medicine composition for treating sore mouth has a reasonable formula, and has a cure rate of the sore mouth at 91.3% after clinical use in 767 goats. The cured goats do not have reoccurrence of sore mouth. The traditional Chinese medicine composition has fast effectiveness and short course of treatment and is free of toxic and side effects. A preparation method is simple and convenient to operate. The traditional Chinese medicine composition also has obvious effects on treating red and white diarrhea, gastroenteritis and bacillary dysentery of lambs.

21: 2021/07187. 22: 2021/09/27. 43: 2021/11/10

51: A23K

71: Institute of Animal Husbandry and Veterinary Medicine, Shandong Academy of Agricultural Sciences

72: Haitao Sun, Mingyong Li, Liya Bai, Gongyan Liu, Man Liu, Shuxia Gao, Ce Liu, Hong Han, Liping Yang

54: FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF MEAT RABBITS

00: -

The invention provides a feed additive for improving the production performance of meat rabbits. The feed additive uses yeast *Aspergillus* culture D3 as a diluent, compounded with *Bacillus subtilis*, yeast selenium, methionine, taurine and ginger powder; all raw materials work together to promote the lipid metabolism of meat rabbits, which improves immunity and antioxidant capacity, promotes the growth of meat rabbits, and increases meat quality and yield of meat rabbits. The addition of the feed additive during the preparation of the basic ration can replace the antibiotics in the daily ration, thereby improving the production performance and health of meat rabbits.

21: 2021/07188. 22: 2021/09/27. 43: 2021/11/10

51: C02F; C12N

71: SHANDONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

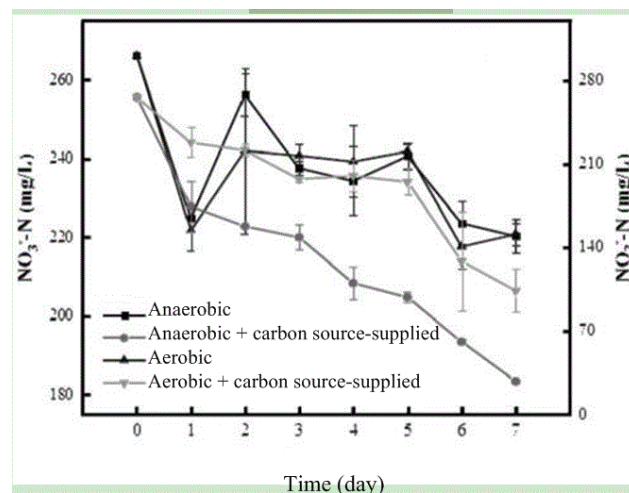
72: GAO, Zongjun, XIA, Lu, LIU, Manxi, LIU, Ruinan, ZHAO, Yanli, HAN, Cong, WANG, Jing, TONG, Hui, LIU, Wenyue, ZHANG, Yuqi, CHEN, Tao, CHEN, Qiao, DENG, Qinghai

54: METHOD FOR REMEDYING GROUNDWATER CONTAINING HIGH-CONCENTRATION NITRATE NITROGEN BASED ON FOREIGN MICROFLORA

00: -

The present disclosure discloses a method for remedying groundwater containing high-concentration nitrate nitrogen based on a foreign microflora, and specifically relates to the field of groundwater pollution remediation. In the present disclosure, a sludge containing denitrifying bacteria is collected from an aeration tank of a sewage treatment plant, enrichment culture is conducted on the sludge in an anaerobic environment to promote mass proliferation of the denitrifying bacteria in the sludge, a sludge containing a large number of the denitrifying bacteria is mixed with groundwater containing a high concentration of nitrate nitrogen, and the concentration of the nitrate nitrogen in the groundwater is reduced with the denitrifying bacteria

in the sludge to remedy nitrate nitrogen pollution in the groundwater.



21: 2021/07189. 22: 2021/09/27. 43: 2021/11/10

51: G08G

71: JINAN GOLDENWORLD HIGHWAY INDUSTRY DEVELOPMENT CO., LTD

72: LI, Yubao, CHEN, Cuijiao, LI, Shuo, XU, Yongli, LIU, Zhentao, ZHOU, Peng

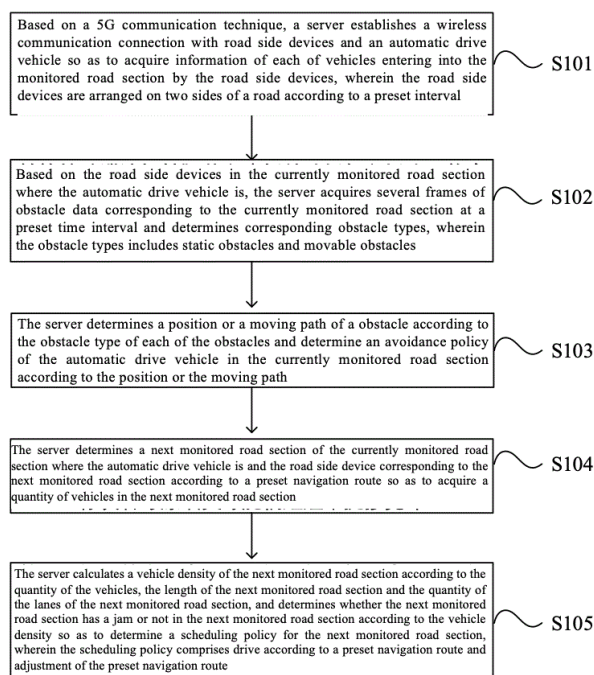
33: CN 31: 202111056139.4 32: 2021-09-09

54: AUTOMATIC DRIVE ROAD CONDITION NAVIGATION METHOD AND SYSTEM BASED ON 5G NETWORK AND MEDIUM

00: -

The application discloses an automatic drive road condition navigation method and system based on a 5G network and a medium to solve the technical problem that a navigation range of a vehicle is limited as an existing automatic drive navigation method is unable to monitor a long-distance region. The method comprises: establishing a wireless communication connection with a road side device and an automatic drive vehicle; acquiring several frames of obstacle data corresponding to a currently monitored road section and determining corresponding obstacle types; determining a position or a moving path of an obstacle and determining an avoidance policy of the automatic drive vehicle in the currently monitored road section; determining a next monitored road section of the currently monitored road section where the automatic drive vehicle is and the road side device corresponding to the next monitored road section according to a preset navigation route so as to acquire a quantity of vehicles in the next monitored road section; and calculating a vehicle density of the next monitored

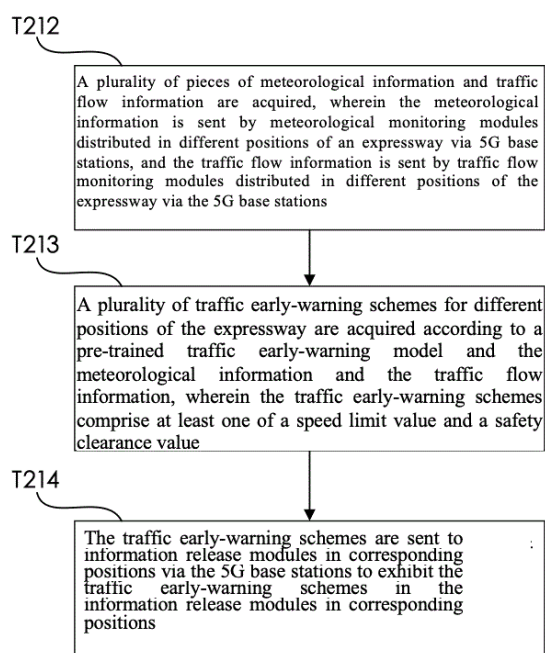
road section and determining whether the next monitored road section has a jam or not in the next monitored road section according to the vehicle density so as to determine a scheduling policy for the next monitored road section.



21: 2021/07190. 22: 2021/09/27. 43: 2021/11/03
 51: G06F; G06Q
 71: JINAN GOLDENWORLD HIGHWAY INDUSTRY DEVELOPMENT CO., LTD
 72: LI, Yubao, YU, Yue, WANG, Yilong, YANG, Kuijun, SUN, Tingting, WANG, Xiaotong
 33: CN 31: 202111057431.8 32: 2021-09-09
54: EXPRESSWAY METEOROLOGICAL EARLY-WARNING METHOD AND DEVICE BASED ON 5G COMMUNICATION AND MEDIUM
 00: -

The application discloses an expressway traffic early-warning method and device based on 5G communication and a medium. The method comprises: acquiring a plurality of pieces of meteorological information and traffic flow information, wherein the meteorological information is sent by meteorological monitoring modules distributed in different positions of an expressway via 5G base stations, and the traffic flow information is sent by traffic flow monitoring modules distributed in different positions of the expressway via the 5G base stations; acquiring a plurality of traffic early-warning schemes for different positions of the

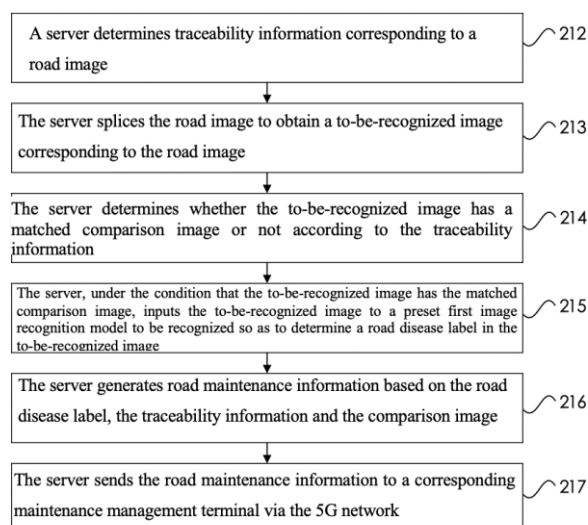
expressway according to a pre-trained traffic early-warning model and the meteorological information and the traffic flow information, wherein the traffic early-warning schemes comprise at least one of a speed limit value and a safety clearance value; and sending the traffic early-warning schemes to information release modules in corresponding positions via the 5G base stations. Thus, the driving safety of the expressway is improved and the occurrence frequency of traffic accidents is reduced.



21: 2021/07191. 22: 2021/09/27. 43: 2021/11/03
 51: G06F; G06Q
 71: JINAN GOLDENWORLD HIGHWAY INDUSTRY DEVELOPMENT CO., LTD
 72: LI, Yubao, YU, Yue, SUN, Qingwen, ZHANG, Jiahua, WANG, Wenjing, ZHANG, Zhenyu
 33: CN 31: 202111057466.1 32: 2021-09-09
54: ROAD MAINTENANCE METHOD AND DEVICE BASED ON 5G
 00: -

The application provides a road maintenance method and device based on 5G. The method comprises: determining traceability information corresponding to a road image, wherein the road image is obtained by extracting image data sent by a user terminal via a 5G network, and the traceability information comprises a position where the road image is shot and a shooting time of the road image; splicing the road image to obtain a to-be-recognized

image corresponding to the road image; determining whether the to-be-recognized image has a matched comparison image or not according to the traceability information, wherein the comparison image is an image of a road section; under the condition that the to-be-recognized image has the matched comparison image, inputting the to-be-recognized image to a preset first image recognition model to be recognized so as to determine a road disease label in the to-be-recognized image; generating road maintenance information based on the road disease label, the traceability information and the comparison image; and sending the road maintenance information to a corresponding maintenance management terminal via the 5G network.



21: 2021/07194. 22: 2021/09/27. 43: 2021/11/03
51: B65B

71: Qingdao University of Science and Technology
72: WEN, Shibao, LI, Yi, NIE, Chenxi, DU, Qin, FENG, Yuwei, WANG, Luyao, WANG, Shuo, YU, Leilei

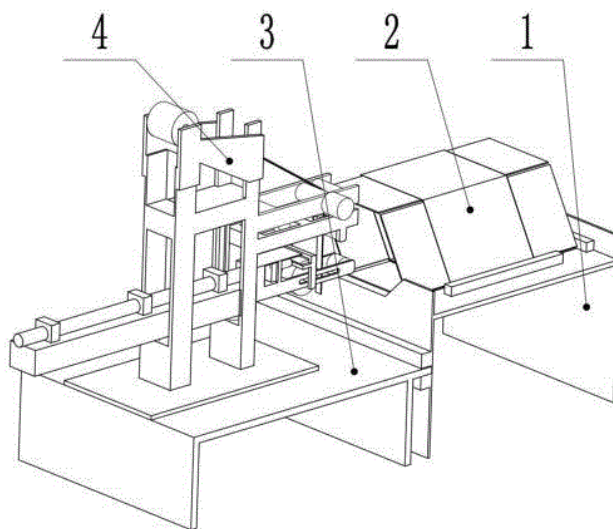
33: CN 31: 202110224923. 5 32: 2021-03-01

54: CANTILEVER TYPE PLANE AUTOMATIC ADHESIVE TAPE APPLYING DEVICE

00: -

Aiming at low efficiency and high cost of manually taping and difficulty in automatically taping in a certain length at specified positions of inner and outer surfaces of articles by a handheld carton sealer and an adhesive tape seal applying mechanism, a cantilever type plane automatic

adhesive tape applying device is disclosed. The device adopts a liftable two-stage telescopic cantilever adhesive tape applying head structure, a roller type automatic adhesive tape feeding structure, an adjustable fixed-length cutting structure and a roller type applying structure, which realizes automatic adhesive tape application on inner and outer side planes of articles. After positioning articles, the process is completely automatic, with labor intensity reduced and labor efficiency improved, neat appearance and good specification consistency are obtained. The device is particularly suitable for fixed-length adhesive tape application on inner and outer surfaces of regular packaging container articles.



21: 2021/07197. 22: 2021/09/27. 43: 2021/10/28
51: A01N; C05G; C12N

71: QINGDAO AGRICULTURAL UNIVERSITY
72: LI, Haimei, LI, Yanhua, LI, Shimei, LIANG, Hong, LI, Wei, XU, Lina, XU, Wanpei

54: METHOD FOR PROMOTING ORNAMENTAL TRAITS OF CALENDULA OFFICINALIS BY USING COMPOUND MICROBIAL INOCULUM

00: -

Disclosed is a method for promoting ornamental traits of *Calendula officinalis* by using a compound microbial inoculum. The compound microbial inoculum is applied to *Calendula officinalis*, and the compound microbial inoculum is composed of *Lactobacillus brevis* and *Lactobacillus plantarum* which have a viable bacteria ratio of (2.5-3.2): (0.8-1.2). The method promotes the blooming of *Calendula officinalis* by using a compound microbial

inoculum composed of *Lactobacillus brevis* and *Lactobacillus plantarum*, and the applied compound microbial inoculum has obvious effects on the growth and metabolism of *Calendula officinalis*, that is, promotes the plant height, stem thickness, crown breadth, and blooming period of *Calendula officinalis*, can have beneficial effects on the growth traits of *Calendula officinalis*, and can also prolong the blooming period and improve the ornamental traits of *Calendula officinalis*.

21: 2021/07198. 22: 2021/09/27. 43: 2021/11/03
51: A61L

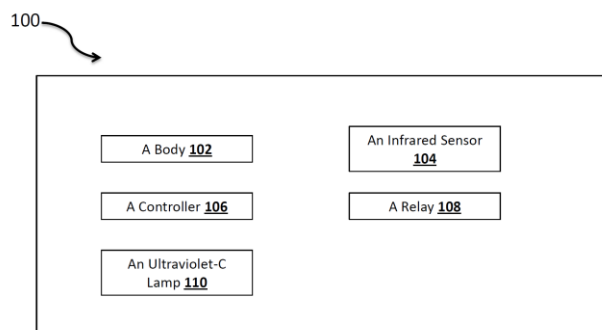
71: ALANAZI, Abdullah Khalaf, MOHAMED, Ashraf Talaat, ABO-DIEF, Hala Mohamed, PRAMANIK, Tanay, PANDA, Ramesh Chandra

72: ALANAZI, Abdullah Khalaf, MOHAMED, Ashraf Talaat, ABO-DIEF, Hala Mohamed, PRAMANIK, Tanay, PANDA, Ramesh Chandra

54: A CONTACTLESS ULTRAVIOLET-C BASED SANITIZING DEVICE

00: -

The present invention generally relates to a contactless ultraviolet-C based sanitizing device comprises a body having an infrared sensor exposed to an outer surface of the body configured for detecting obstacle in the close proximity of the body; a controller in connection with the infrared sensor for generating a triggering signal upon detecting obstacle in the close proximity of the body; and a relay interfaced with the controller for turning on an ultraviolet-C lamp for disinfecting the obstacle exposed towards the ultraviolet-C light emitted from the ultraviolet-C lamp upon receiving the triggering signal from the controller.



21: 2021/07201. 22: 2021/09/27. 43: 2021/11/03
51: A61B; A61F
71: DONG, Xieping

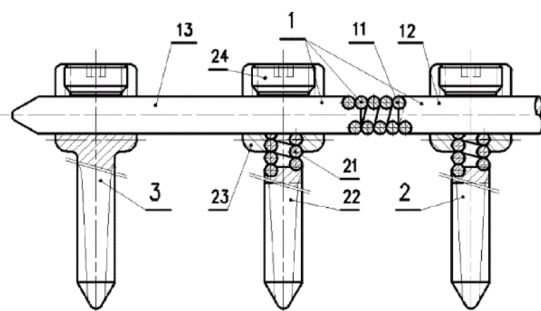
72: DONG, Xieping, LI, Qingli, HE, Weiyi, ZHANG, Yuanwei

33: CN 31: 201910169817.4 32: 2019-03-06

54: PEDICLE SCREW AND ROD FIXING SYSTEM HAVING DUAL FLEXIBILITY OF SCREW AND ROD

00: -

A pedicle screw and rod fixing system and structure having dual flexibility of the screw and rod, which are applied in orthopedic surgery and neurosurgery; a comprised pedicle screw and connecting rod are a flexible pedicle screw and a flexible connecting rod respectively, both of which have a micro-dynamic function; between a screw body and screw base of the flexible pedicle screw, rigid rods at both ends of the flexible connecting rod are connected to one middle flexible body or to a plurality of flexible bodies that are distributed at intervals and that are composed of cylindrical springs; the flexible pedicle screw is formed by connecting the screw body and the screw base at two ends of a cylindrical spring respectively; the flexible connecting rod is formed by connecting and fixing a rigid metal rod respectively at each of two ends of a cylindrical spring; and the outer diameter of the cylindrical spring is not greater than the outer diameter of the connected rigid metal rods. Since both the screw and the rod have elastic activity, the spinal segments fixed thereby have a better non-fusion fixation effect than a single flexible nail and rod. The present invention helps to reduce the concentration of stress between adjacent segments, and helps to prevent deterioration between adjacent segments.



21: 2021/07203. 22: 2021/09/27. 43: 2021/11/10
51: A61K; C07K; A61P

71: JINAN SAMUEL PHARMACEUTICAL CO., LTD

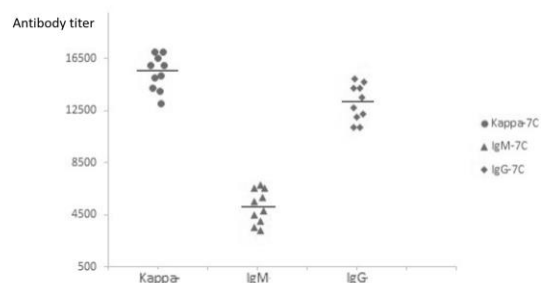
72: LI, Wenju, WU, Xiaole, GAO, Jian, TANG, Pengfei, ZHUANG, Yongzhong, LI, Xiuzhen

33: CN 31: 201911065356.2 32: 2019-11-04

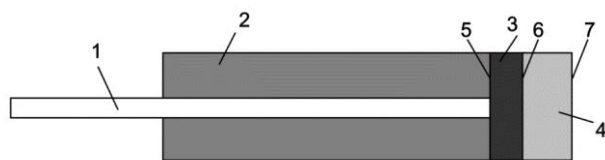
54: (1-5)-GAL-(1-6)-MAN GLYCOPROTEIN, PREPARATION METHOD THEREFOR AND USE THEREOF

00: -

The present invention relates to the field of a glycoprotein vaccine, and in particular to an antifungal (1-5)-Gal-(1-6)-Man glycoprotein and a preparation method thereof. The glycoprotein of the present invention has the following preparing principle: an oligosaccharide antigen having a clear structure is designed on the basis of a polysaccharide antigen structure on a surface of fungus and prepared by a chemical synthesis method; afterwards, the oligosaccharide antigen is covalently coupled to an immunogenic protein to form a novel semi-synthetic glycoconjugate vaccine, thus enhancing the immunogenicity of saccharide antigens, such that the oligosaccharide antigen is transformed to a T-dependent antigen. Meanwhile, the present invention may overcome the difficulties in vaccine preparation, quality control and the like caused by natural polysaccharide. It is indicated by preliminary animal experiments that the glycoprotein exhibits good activity; antibody titer in the blood of an immunized mouse increases obviously, and IgG antibody titer accounts for a larger ratio in total antibodies, which indicates that the glycoprotein synthesized by this present invention is a very promising antifungal polysaccharide vaccine.



A Fabry-Pérot interference-based optical fiber heavy metal ion sensor and a preparation method therefor, the sensor comprising a single-mode optical fiber (1), a quartz glass capillary tube (2), high borosilicate glass (3) and an active layer (4), wherein the single-mode optical fiber (1) is inserted into a through hole in the quartz glass capillary tube (2), and one side end of the quartz glass capillary tube (2) is fixedly connected to one side end of the high borosilicate glass (3); and the other side end of the high borosilicate glass (3) is fixedly connected to one side end of the active layer (4). The sensor utilizes the advantage of optical fiber interference and the refractive index and the thickness of the modified high-molecular compound are slightly changed after the modified high-molecular compound adsorbs heavy metal ions, causing changes to the interference fringe. According to a high-resolution demodulation algorithm, the concentration of the heavy metal ions in the environment may be rapidly, conveniently and sensitively measured, and the heavy metal pollution condition in the environment or food may be effectively evaluated. Meanwhile, the interference fringe change amount of the active layer caused by the change in the ambient temperature may be eliminated by means of the interference fringe change information caused by the change of the thickness of the high borosilicate.



21: 2021/07209. 22: 2021/09/27. 43: 2021/11/10
51: G06F

71: CHAOYUE TECHNOLOGY CO., LTD

72: HUANG, Gang, LIU, Lei, LI, Dushan

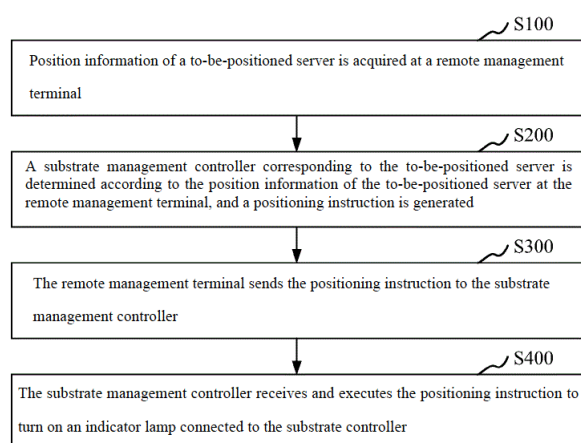
33: CN 31: 202010057624.2 32: 2020-01-19

54: REMOTE POSITIONING METHOD FOR SERVER, COMPUTER DEVICE, AND STORAGE MEDIUM

00: -

The present application relates to a remote positioning method for a server, a computer device, and a storage medium. The method comprises: obtain position information of a server to be positioned on a remote management terminal; determine a substrate management controller

corresponding to said server on the remote management terminal according to the position information of said server, and generate a positioning instruction; the remote management terminal sends the positioning instruction to the substrate management controller; the substrate management controller receives and executes the positioning instruction so as to lighten an indicator light connected to the substrate controller. According to the method of the present invention, the positioning indicator light is provided on the server, and the positioning instruction is generated using the position information of said server on the remote management terminal, thereby realizing positioning of the server in a machine room on the remote management terminal, simplifying operation steps of inspection personnel, and improving the positioning efficiency of the server.



21: 2021/07210. 22: 2021/09/27. 43: 2021/11/10
51: H04L

71: CHAOYUE TECHNOLOGY CO., LTD

72: HUANG, Gang, LIU, Qiang, CHAI, Pingping

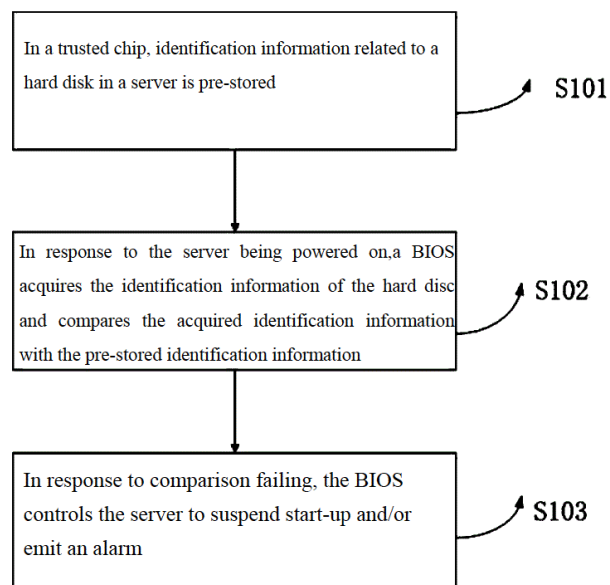
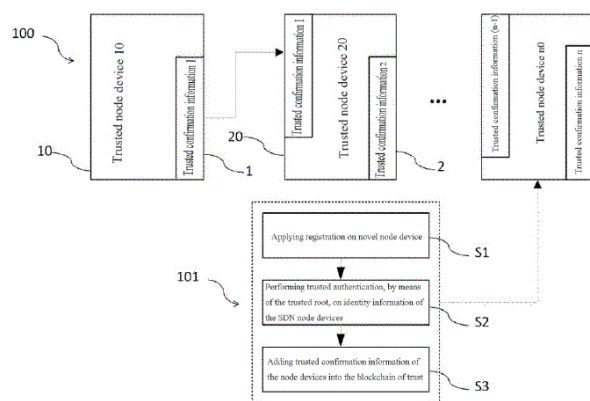
33: CN 31: 201910985245.7 32: 2019-10-16

54: CREDIBILITY AUTHENTICATION METHOD FOR SDN NODES

00: -

Disclosed is a credibility authentication method for SDN nodes. The method comprises: integrating a root of trust into an SDN controller; performing credibility authentication, by means of the root of trust, on SDN node devices intending to access an SDN network; and allowing SDN node devices that have passed the credibility authentication to access the SDN network. The root of trust is used as a starting point to build a trusted blockchain for SDN

node devices. The present invention provides a technical solution ensuring that SDN node devices newly achieving access to an SDN network architecture have all passed credibility authentication of identity information, in which the root of trust is integrated such that the credibility of the SDN node devices newly connected to the SDN network can be confirmed in a safe and effective manner.



21: 2021/07211. 22: 2021/09/27. 43: 2021/11/10
51: G06F

71: CHAOYUE TECHNOLOGY CO., LTD

72: YU, Zhilou, MENG, Xianxin, FENG, Lei

33: CN 31: 202010084838.9 32: 2020-02-10

54: METHOD AND APPARATUS FOR MEASURING SECURITY OF HARD DISK OF SERVER

00: -

Provided in the present invention are a method and apparatus for measuring the security of a hard disk of a server. The method comprises the following steps: pre-storing, in a trusted chip, identification information related to a hard disk in a server; in response to the server powering on, a BIOS acquires identification information of the hard disk, and compares the acquired identification information to the pre-stored identification information; and in response to comparison failing, the BIOS controls the server to suspend start-up and/or emit an alarm. The present invention can ensure that an alarm is promptly issued after a hard disk on a computer is replaced and has good value for promotion and use in the field of privacy.

21: 2021/07249. 22: 2021/09/27. 43: 2021/10/29
51: H01M

71: QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

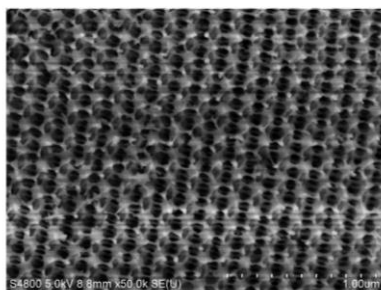
72: DEZHI HAN, WENPENG XIE, GUANGJIAN WANG, LIANCHENG BING, FANG WANG

33: CN 31: 202110241521.6 32: 2021-03-04

54: PREPARATION METHOD FOR 3DOM BULK HYDROGENATION CATALYST

00: -

The present invention discloses a preparation method for a 3DOM bulk hydrogenation catalyst, belongs to the technical field of catalysts, and specifically discloses the following steps: (1) dissolving an emulsifier in water under the protection of inert gas and heating to 70-75°C; then adding methyl methacrylate at a constant temperature for 15-20 min; adding an initiator to react for 1-1.5 h; and after cooling to room temperature, conducting centrifugal assembling and drying to obtain a PMMA microsphere template agent; (2) dissolving an active component precursor and an auxiliary agent successively into an alcoholic solution to obtain a precursor solution; (3) adding the PMMA microsphere template agent into the precursor solution; successively conducting impregnation and drying; repeating impregnation and drying steps for 1-2 times; and finally, calcining at 400-600°C for 5 hours to obtain the 3DOM bulk hydrogenation catalyst.



21: 2021/07250. 22: 2021/09/27. 43: 2021/10/29
51: B01J

71: QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

72: HAN, DEZHI, LI, QINGHONG, WANG, GUANGJIAN, BING, LIANCHENG, WANG, FANG

33: CN 31: 202110241314.0 32: 2021-03-04

54: PREPARATION METHOD OF HYDRODESULFURIZATION CATALYST

00: -

The present invention relates to the technical field of catalyst preparation, in particular to a preparation method of a hydrodesulfurization catalyst. The present invention discloses a preparation method of a hydrodesulfurization catalyst comprising: firstly, adding a certain amount of surfactant into a solution containing molybdenum salt, cobalt salt and/or nickel salt to form a precursor solution of a hydrogenation catalyst. Then, adding organic foam into the precursor solution to fully soak the precursor solution and finally, dipping, drying and roasting for many times to obtain the hydrodesulfurization catalyst with a three-dimensional macroporous structure. The novel hydrogenation catalyst prepared by the present invention has relatively large specific surface area, dense active components and abundant active sites of the catalyst, thereby facilitating sulfur-containing macromolecules to pass through internal pores of the catalyst, greatly reducing the mass transfer resistance of the catalyst, and thus improving the hydrodesulfurization efficiency of the catalyst.

21: 2021/07251. 22: 2021/09/27. 43: 2021/10/29
51: B01J

71: QINGDAO UNIVERSITY OF SCIENCE AND TECHNOLOGY

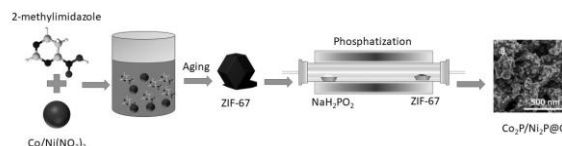
72: HAN, DEZHI, WANG, GUANGJIAN, CHEN, GUOLIANG, BING, LIANCHENG, WANG, FANG

33: CN 31: 202110241298.5 32: 2021-03-04

54: PREPARATION METHOD OF PHOSPHIDE HYDROGENATION CATALYST

00: -

The present invention belongs to the technical field of preparation of hydrogenation catalysts, and in particular to a preparation method of a phosphide hydrogenation catalyst. The present invention discloses the following steps: (1) preparation of a precursor: mixing a soluble metal salt solution and a 2-methylimidazole solution, and conducting aging, centrifugation and drying to obtain the precursor; and (2) preparation of the catalyst: heating the precursor and sodium hypophosphite to obtain the phosphide hydrogenation catalyst. In the present invention, the hydrodesulfurization catalyst prepared by phosphatization and use of a MOF material with developed pores as the precursor has a small active-phase grain size and higher dispersity, so that strong interactions between reactive metal and a carrier are avoided; active species can be easily reduced at a low temperature; sintering deactivation of the phosphide hydrodesulfurization catalyst is effectively restrained and reaction activity increased and service life of the catalyst prolonged.



21: 2021/07252. 22: 2021/09/27. 43: 2021/10/21
51: A61Q

71: JILIN AGRICULTURAL UNIVERSITY, JILIN YANGYIDUO TECHNOLOGY CO., LTD.

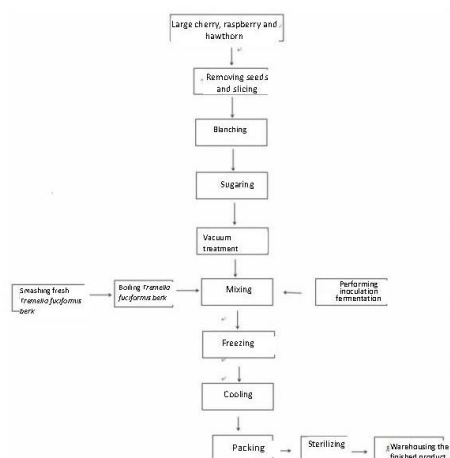
72: JUNMEI LIU, ZHILI SHENG, ZHUOWEI LI, SAINAN LIU, KEQIN LIU, XUE LI, SHUANG LI

54: FERMENTED TREMELLA FUCIFORMIS BERK PULP TYPE FROZEN JAM WITH EFFECTS OF PROMOTING BLOOD CIRCULATION AND BEAUTIFYING SKIN AND PREPARATION METHOD THEREOF

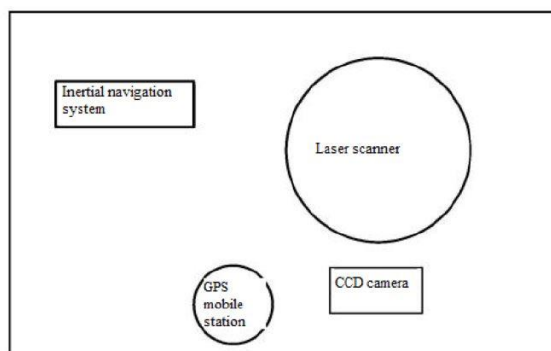
00: -

The present invention belongs to the technical field of foods and health care products and discloses a fermented Tremella fuciformis berk pulp type frozen jam with effects of promoting blood circulation and beautifying skin and a preparation method thereof. The preparation method includes: selecting fresh Tremella fuciformis berk, large cherry, raspberry, hawthorn, yam flour, glucose, mixed probiotics,

sucrose, and water; removing seeds of the large cherry, raspberry, and hawthorn; slicing, blanching, and sugaring the large cherry, raspberry, and hawthorn; performing vacuum treatment; smashing the fresh Tremella fuciformis berk; boiling the Tremella fuciformis berk; mixing the materials and performing inoculation fermentation; and freezing, cooling and packing the product.



system is horizontally fixed atop the mobile carrier, the second plate carrying the laser scanner is vertically fixed to the first plate



21: 2021/07254. 22: 2021/09/27. 43: 2021/10/29
51: G06K

71: BEIJING UNIVERSITY OF CIVIL
ENGINEERING AND ARCHITECTURE

72: PAN, Deng, GUO, Ming, JIANG, Jie, HUANG,
Huimin

33: CN 31: 202111094271.4 32: 2021-09-17

54: SPHERICAL SPATIAL DATA MEASUREMENT DEVICE AND AUTOMATIC FEATURE EXTRACTION METHOD

00: -

A spherical spatial data measurement device comprises a target sphere including a housing, built-in prisms, a prism cover and a base ring, wherein a circular magnet is used for adsorbing the prism cover and the target sphere. The target sphere is provided with a connecting screw, can be fixed on a conventional base, and can be used at any angle. Five reflecting prisms are preset in the target sphere, one at the top and one at each of four sides. Each reflecting prism is of a built-in clamping groove structure, to ensure that the center of the prism is located at the center of the target sphere. The total station reflecting prisms built in the target are equipped with a spherical outer cover to prevent the reflecting prisms from damaging a scanning head of the laser scanner if a laser scanner is used to scan the target.

21: 2021/07253. 22: 2021/09/27. 43: 2021/10/29

51: G01S

71: BEIJING UNIVERSITY OF CIVIL
ENGINEERING AND ARCHITECTURE

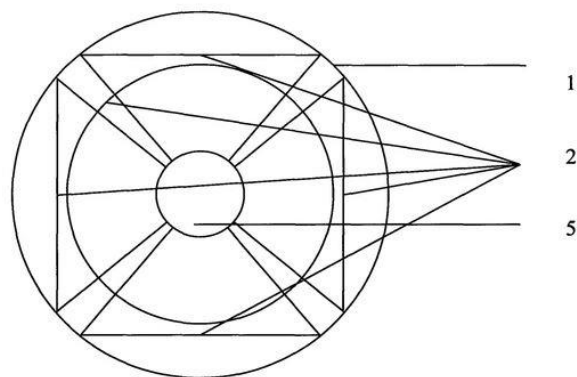
72: GUO, Ming, GAO, Chutian, JIANG, Jie, WANG,
Guoli, GUO, Kcai

33: CN 31: 202111094135.5 32: 2021-09-17

54: LIDAR MEASURING APPARATUS AND METHOD FOR SMART CITIES

00: -

Disclosed is a LiDAR measuring apparatus and method for smart cities, comprising a mobile carrier; a laser scanner, wherein a laser emitting direction of the scanner is perpendicular to the mobile carrier and horizontally shoots to the side of an advancing direction of the mobile carrier; a locating system comprising a GPS system and an inertial navigation system which are connected to each other. a data collection system which is connected to the laser scanner and the locating system, used to read and process the data collected by the laser scanner and the locating system to build a three-dimensional model of an object; a carrier plate comprising a first and second plate body, made of an alloy steel plate, wherein the first plate carrying the inertial navigation



21: 2021/07255. 22: 2021/09/27. 43: 2021/11/12

51: G06F

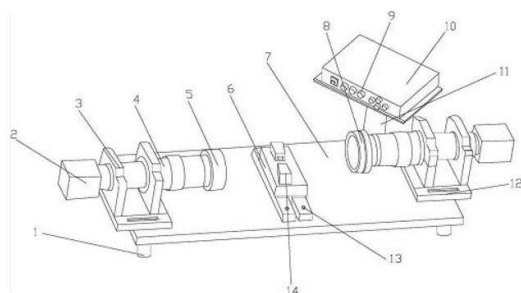
71: BINZHOU COLLEGE

72: WANG, Zhonglin

54: ELECTRONIC INSTRUMENT DETECTION COMPONENT FOR AVIATION

00: -

Disclosed is an electronic instrument detection component for aviation, comprising a fixing footstand, a receiver, a fixed plate, a body, a focusing lens, a storage platform, a supporting base, a detection lens device, an operation panel, a control body, a supporting frame, a positioning plate, a bolt hole and a clamp. The footstand is welded with the base; the receiver is connected with the body which is embedded into the plate; the body is connected with the focusing lens; and the storage platform and the bolt hole form an integrated structure. The present invention uses the infrared filter to eliminate external noisy light sources, ensuring the collected patterns of the lens is not affected. The concave mirror gathers and projects object images to an induction board to receive and induce the collected images, improving the high-definition collection of the detected objects, avoids the blur phenomenon and increases accuracy.



21: 2021/07271. 22: 2021/09/28. 43: 2021/10/28

51: G06K; G06N

71: QINGDAO AGRICULTURAL UNIVERSITY

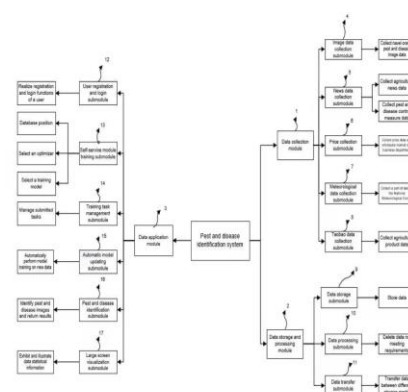
72: SONG, Caixia

33: CN 31: 202110911829.7 32: 2021-08-10

54: A PEST AND DISEASE IDENTIFICATION SYSTEM BASED ON BIG DATA AND DEEP LEARNING

00: -

A pest and disease identification system based on big data and deep learning includes a data collection module which adopts a crawler task scheduling platform based on a Hadoop framework to collect data, a data storage and processing module which effectively stores data by combining a MySQL database with HDFS, and a data application module which improves a classic YOLO V4 algorithm for pest and disease classification tasks. The present invention uses the task scheduling platform to obtain mass data on the Internet conveniently and solves the problem of insufficient data. A Hadoop platform realizes effective management of multiple servers, and solves the problem that mass data are difficult to collect and store. A target detection algorithm can effectively and quickly identify plant diseases. A model training task platform simplifies a model training task process. A visual display platform provides information service for farmers in a visual and easy-to-understand mode. By utilizing the platform, farmers can be assisted in timely and effective identification of pests and diseases, and economic loss caused by spreading of diseases and pests is prevented.



21: 2021/07640. 22: 2021/10/11. 43: 2021/11/12

51: A01N

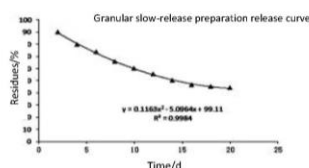
71: SHANDONG PEANUT RESEARCH INSTITUTE

72: CHUNJUAN QU, XIAO LI, XIAOJING JIANG, LONG DU, QIAN JU, KUN JIAO, MINGJING QU, WEIJIA LIU, FANGQIN YAN

54: GRANULAR HOLOTRICHIA PARALLELA SLOW-RELEASE SEX ATTRACTANT AND PREPARATION METHOD THEREOF

00: -

The present invention relates to a slow-release sex attractant and a preparation method thereof, and particularly relates to a granular Holotrichia parallela slow-release sex attractant and a preparation method thereof. The granular Holotrichia parallela slow-release sex attractant is prepared from active ingredients of the sex attractant, a slow-release carrier, a diluent, an auxiliary agent and a wetting agent according to a certain proportion, wherein the active ingredients of the sex attractant are L-isoleucine methyl ester and (R)-(-)-linalool, and the slow-release carrier is medicinal starch.



21: 2021/07641. 22: 2021/10/11. 43: 2021/10/27
51: G01N

71: SHANDONG PROVINCIAL HOSPITAL
AFFILIATED TO SHANDONG FIRST MEDICAL
UNIVERSITY

72: ZHAI, Hong, WU, Qingzhong, LEI, Yuxin, ZHAO, Kai, YANG, Jun, CAO, Feng, HE, Huihui, ZHAO, Yantong

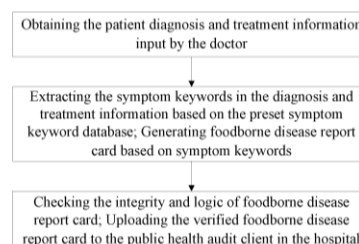
33: CN 31: 202110075030.9 32: 2021-01-20

54: METHOD AND SYSTEM FOR INFORMATION MONITORING AND EARLY WARNING OF FOODBORNE DISEASE

00: -

The present invention discloses a method for information monitoring and early warning of foodborne disease and a system thereof, which is applied to the doctor client, comprising: obtaining the patient diagnosis and treatment information input by the doctor; extracting the symptom keywords in the diagnosis and treatment information based on the preset symptom keyword database; generating foodborne disease report card based on symptom keywords; checking the integrity and logic of

foodborne disease report card; uploading the verified foodborne disease report card to the public health audit client in the hospital.



21: 2021/07726. 22: 2021/10/12. 43: 2021/11/12
51: E21C

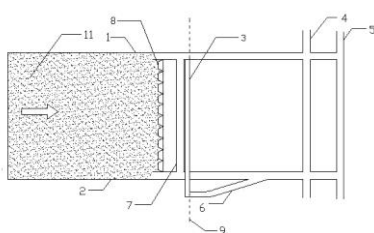
71: ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, HUAHE ENERGY WEST COAL POWER GROUP CO., LTD.

72: XIANGYANG ZHANG, JIEGAO LIU, MIN TU, MIAOHU CHEN, XIUGUAN LI, YINGUI GAO, YI ZHANG, YANRONG ZHENG

54: METHOD FOR PERFORMING TOPPING PRESSURE RELIEF IN ADVANCE DURING TERMINAL MINING OF COAL SEAM FACE

00: -

The present invention discloses a method for performing topping pressure relief in advance during terminal mining of a coal seam face. The method includes: determining a mining stop line position and a propulsion position of the coal seam face; then arranging a connection roadway and a pressure relief measure roadway; arranging pressure relief boreholes in the pressure relief measure roadway parallel to the coal seam face; laying explosives in the pressure relief boreholes; performing blasting and caving; performing end stoping on the coal seam face; and continuously drawing coal until the mining stop line position is reached. The method disclosed by the present invention is low in boring construction difficulty, and convenient in operation. Moreover, after the method is implemented, a topping effect is excellent; a terminal mining rate is high; and main roadway stability is protected.



21: 2021/07753. 22: 2021/10/13. 43: 2021/10/27

51: C12R

71: BIOLOGY INSTITUTE OF SHANDONG ACADEMY OF SCIENCES, BEIJING INSTITUTE OF TECHNOLOGY, GOLDEN STAR (RIZHAO) AGRICULTURAL SCIENCE AND TECHNOLOGY DEVELOPMENT CO., LTD., SHANDONG JIELIER FERTILIZER CO., LTD, YANTAI DADI HUSBANDRY CO., LTD., SHANDONG ZHONGKE FOOD CO., LTD

72: HUANG, Yanhua, GUO, Kai, HUO, Yixin, MA, Xiaoyan, LI, Zhe, HAO, Yongren, ZHENG, Zehui, LIU, Kuizhu, ZHANG, Hao, HUO, Xuexue, WANG, Qingling, FU, Changzheng, CHU, Huanhuan, WANG, Aifeng

33: CN 31: 202011428492.6 32: 2020-12-09

54: SALINE-ALKALI TOLERANT TRICHODERMA VIRIDE TV-1511 AND BIO-ORGANIC FERTILIZER AND APPLICATION THEREOF

00: -

The present invention provides a saline-alkali tolerant *Trichoderma viride* Tv-1511 and a bio-organic fertilizer and application thereof, belonging to the field of microbial technology. By further in-depth studies on *Trichoderma viride* Tv-1511 screened early, it was found that the *Trichoderma viride* Tv-1511 had good stress resistance, good adaptability to saline-alkali, low-temperature and high-temperature environments, and an antagonistic effect on a variety of pathogenic fungi. A solid fermentation product of the *Trichoderma viride* Tv-1511 can be added to an organic fertilizer to prepare a *Trichoderma* bio-organic fertilizer suitable for saline-alkali soil, which has good practical application value.

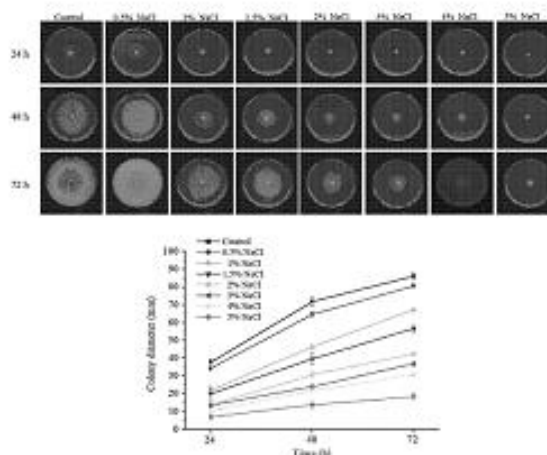


FIG. 2

21: 2021/07754. 22: 2021/10/13. 43: 2021/10/27

51: C12N

71: QILU UNIVERSITY OF TECHNOLOGY

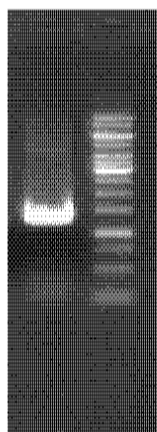
72: BAO, Xiaoming, XU, Lili, XIA, Tianqing, WANG, Yun, LI, Zailu

54: A NOVEL PROTEIN EXPRESSION SYSTEM IN SACCHAROMYCES CEREVISIAE AND APPLICATION THEREOF

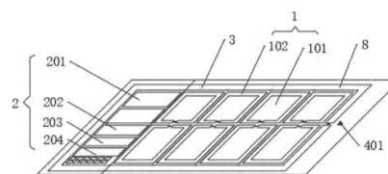
00: -

The disclosure provides a novel *Saccharomyces cerevisiae* protein expression system and application thereof based on the rDNA promoter element which is controlled by RNA polymerase I and the cap-independent translation initiation element IRES (internal ribosome entry site). The constructed novel gene expression cassette comprises sequentially from upstream to downstream: an rDNA promoter, an internal ribosome entry site sequence, an exogenous or endogenous gene with no original initiation codon ATG, a poly(T) sequence, and an rDNA terminator. The expression system can realize high-efficiency expression of exogenous genes in *Saccharomyces cerevisiae*, it can be used to express the exogenous gene, e.g., green fluorescent protein or red fluorescent protein, and further to detect or sort the yeast cells using the equipment based on fluorescence detection; it can also be used to express the endogenous gene, e.g., the URA3 gene involved in uracil synthesis, and screen the yeast cells by growth phenotype.

M 1



← 1.0kb



21: 2021/07755. 22: 2021/10/13. 43: 2021/10/27
51: A01G

71: FRESHWATER FISHERIES RESEARCH
CENTER, CHINESE ACADEMY OF FISHERY
SCIENCES

72: LI, Bing, ZHU, Jian, XU, Gangchun, WANG,
Long, HOU, Yiran

33: CN 31: 202011149364.8 32: 2020-10-23

**54: ENERGY-SAVING AND ENVIRONMENT-
FRIENDLY RICE AND FISH CO-CULTURE
SYSTEM AND METHOD**

00: -

The system comprises a rice field fish culture subsystem and a fry breeding subsystem connected, wherein an external annular ditch further surrounds the periphery of the rice field fish culture subsystem and the periphery of the fry breeding subsystem; the rice field fish culture subsystem is used for receiving and treating fish culture wastewater and comprises rice fields and annular ditches surrounding the peripheries of the rice fields, and a water inlet and water return system and a drainage system are arranged at the annular ditches and communicate with the external annular ditch; and the fry breeding subsystem is used for providing fry and overwintering places and comprises a parent breeding pool, an overwintering pool, a fry breeding pool and an experiment pool, the water inlet and water return system is arranged between the parent breeding pool and the overwintering pool.

21: 2021/07756. 22: 2021/10/13. 43: 2021/10/27

51: A01G

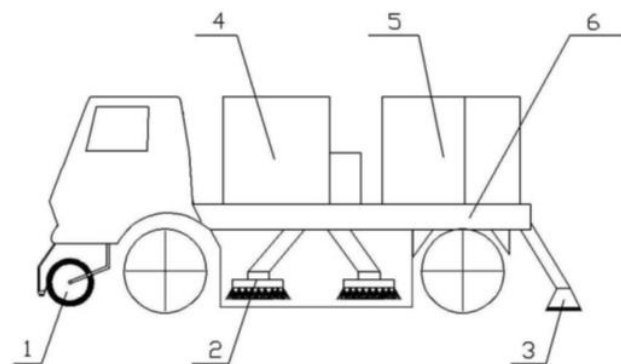
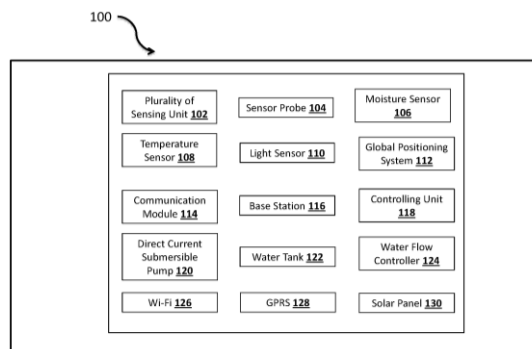
71: MISHRA, Devesh, ABBAS, Ali, TRIPATHI,
Devesh, YADAV, Vandana, MISHRA, Piyush Kumar,
PANDEY, Amrees

72: MISHRA, Devesh, ABBAS, Ali, TRIPATHI,
Devesh, YADAV, Vandana, MISHRA, Piyush Kumar,
PANDEY, Amrees

**54: GREEN ENERGY EMPOWERED AUTOMATED
SOIL PROFILE MEASUREMENT AND LAWN
WATERING SYSTEM USING IOT**

00: -

The present disclosure relates to a system and a method for intelligent irrigation is provided. The periodic intelligent automatic urban irrigation monitoring system includes a submersible pump inside the water tank driven by the solar panel placed over the iron mast. A sensor probe encapsulated within a single package in the shape of a letter box is planted at the corners of the lawn. With Wi-Fi in adhoc mode, a network of fabricated self-sustainable smart sensors with moisture measuring probes is established. Using content-based routing protocol all the deployed sensing units in the lawn communicate the information to the broker. The actuators which are embedded with the flow controller to start/stop the flow of water supply for irrigation have subscribed the broker data from the concerned node only. At a dashboard using IoT, all the information can be obtained.



21: 2021/07911. 22: 2021/10/18. 43: 2021/10/29
 51: E01H
 71: SHANDONG JIAOTONG UNIVERSITY
 72: ZHAO, CHANGLI, LI, FANGYUAN, LV, PENGWEI

54: SPECIAL ROAD SURFACE OIL CLEANING DEVICE

00: -

The present invention relates to a special road surface oil cleaning device, in particular to a road surface oil stain cleaning device as well as cleaning and recycling. The present invention discloses a special road surface oil cleaning device which comprises an automobile chassis, wherein the lower part of the front end of the automobile chassis is connected with an oil pretreatment device; a deep washing device is arranged below the middle part of the automobile chassis, a liquid storage device is arranged above the middle part of the automobile chassis, and the deep washing device is communicated with the liquid storage device; the lower end of the tail of the automobile chassis is connected with an oil cleaning and collecting device, the oil cleaning and collecting device is communicated with an oil recycling device, and the oil recycling device is arranged above the tail of the automobile chassis.

21: 2021/08057. 22: 2021/10/20. 43: 2021/10/29
 51: B01J

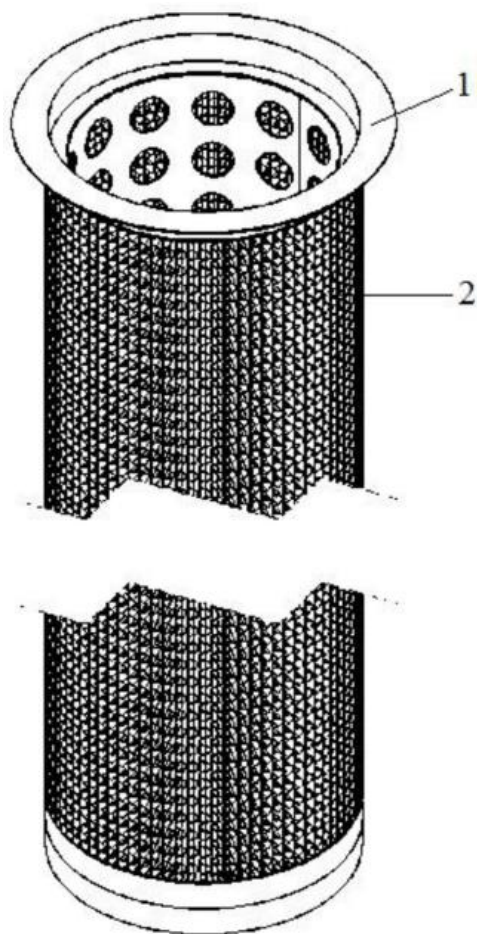
71: SHANDONG AIREP ENVIRONMENTAL TECHNOLOGY CO., LTD
 72: RONG, WEILONG, ZHANG, SHULE, GUO, YONG, SHENG, SHOUXIANG, YU, YANG, REN, QIAN, BIAN, BO

33: CN 31: 202010381848.9 32: 2020-03-08

54: CYLINDRICAL POROUS CARRIER AND PREPARATION METHOD THEREOF, AS WELL AS CATALYST AND APPLICATION THEREOF

00: -

The present invention relates to the technical field of catalysts, in particular to a cylindrical porous carrier and a preparation method thereof, as well as a catalyst and application thereof. In the present invention, a carrier layer of the cylindrical porous carrier is designed to be corrugated or honeycombed, to increase the surface area of the carrier layer and increase the contact area between gas and the carrier layer. Furthermore, the carrier provided by the present invention is of a cylindrical structure so that the gas can flow through a cylinder wall and then flow out from an unsealed end through a center of the cylinder to greatly reduce resistance from the gas. The cylindrical porous carrier provided by the present invention can be used for preparing the catalyst, to significantly reduce the resistance when the gas flows through the catalyst layer, thereby reducing the operating cost of the system.



21: 2021/08143. 22: 2021/10/22. 43: 2021/11/11
51: A61K

71: INSTITUTE OF ANIMAL SCIENCE AND
VETERINARY MEDICINE SHANDONG ACADEMY
OF AGRICULTURAL SCIENCES

72: WU, Jiaqiang, ZHANG, Yuyu, YU, Jiang, LIU,
Fei, REN, Sufang, CHEN, Zhi, SUN, Wenbo, GUO,
Lihui

**54: COMBINED APPLICATION OF
HAEMOPHILUS PARASUIS LC STRAIN AND
HAEMOPHILUS PARASUIS LZ-20100109 STRAIN**

00: -

A combined application of *Haemophilus parasuis* (HPS) LC strain having a deposit number of CGMCC No. 5257 and HPS LZ-20100109 strain having a deposit number of CGMCC No. 5802 in preparing a bivalent inactivated vaccine is provided, relating to HPS disease vaccines in a field of veterinary biologics. The bivalent inactivated vaccine prepared by the combined application of the HPS LC strain and the HPS LZ-20100109 strain is safe and reliable, providing not only a homologous challenge protection against serotype 1 and serotype 5, but

also certain cross protection against heterologous challenges of serotype 2, serotype 4, serotype 10, serotype 12, serotype 13, serotype 14, and serotype 15 of HPS. The combined application of the HPS LC strain and the HPS LZ-20100109 strain has an obviously increased effect. After immunizing swine, a relatively strong immunity is generated; an incidence rate and a mortality rate of inoculated swine decrease obviously.

21: 2021/08144. 22: 2021/10/22. 43: 2021/11/10
51: B81B

71: SHANDONG UNIVERSITY

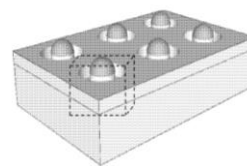
72: SHI, Yanpeng, SONG, Jinmei, LI, Meiping, LIU,
Xiaoyu

33: CN 31: 202110281353.3 32: 2021-03-16

**54: TERAHERTZ DEVICE BASED ON ENHANCED
EXTRAORDINARY OPTICAL TRANSMISSION
AND PREPARATION METHOD**

00: -

The present invention provides a terahertz device based on enhanced extraordinary optical transmission and a preparation method thereof. The terahertz device comprises a substrate, a plurality of meta-material structures are arranged on the substrate, the meta-material structure comprises a metal thin plate arranged on the substrate, a hole is arranged at the center of the metal thin plate, and a silicon column is arranged in the hole, a metal hemisphere exposed to the metal thin sheet is arranged above the silicon column. The present invention applies the phenomenon of the extraordinary optical transmission can be further enhanced by the interaction between the surface plasma and the local surface plasma resonance to the meta-material terahertz device, captures the terahertz wave and collects it into the finer waveguide, obtains the broadband terahertz transmission response, and has higher effective transmittance and transmission bandwidth compared with other existing devices.



21: 2021/08145. 22: 2021/10/22. 43: 2021/11/10
51: B81B

71: SHANDONG UNIVERSITY

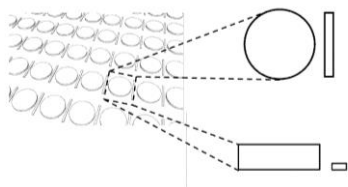
72: SHI, Yanpeng, HUA, Ming, LIU, Xiaoyu, SONG, Jinmei, LI, Meiping

33: CN 31: 202110400475.X 32: 2021-04-14

54: TERAHERTZ ELECTROMAGNETICALLY INDUCED TRANSPARENT META-MATERIAL AND PREPARATION METHOD AND APPLICATION

00: -

The present invention relates to a terahertz electromagnetically induced transparent metamaterial and a preparation method and application thereof, comprising a substrate and periodic arrangement structures on the silicon substrate. Each periodic structure includes a disk convex structure and a metal banded structure. The metal banded structure is located on one side of the disk structure, and the metal banded structure is parallel to the diameter of the disk convex structure. Utilizing coupling of the metal and medium to produce bright and dark modes respectively, and destructive interference occurs in the terahertz band. Finally, the electromagnetically induced transparency phenomenon is realized in the terahertz frequency range, and the electromagnetically induced transparency window is found at 1.6-1.9 terahertz, which realizes the innovation in material selection.



21: 2021/08146. 22: 2021/10/22. 43: 2021/11/11
51: B81B

71: SHANDONG UNIVERSITY

72: SHI, Yanpeng, WANG, Luyao, LIU, Xiaoyu, SONG, Jinmei

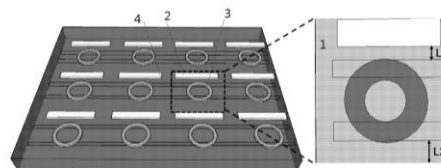
33: CN 31: 202110103835.X 32: 2021-01-26

54: TERAHERTZ ELECTROMAGNETICALLY INDUCED TRANSPARENT META-MATERIALS BASED ON ACTIVE TUNING OF GRAPHENE AND APPLICATION

00: -

The present disclosure provides a terahertz electromagnetically induced transparent meta-

material based on active tuning of graphene and an application thereof. The meta-material comprises a silicon ring, a silicon rectangular rod and a graphene strip, a gap is left between the outer edge of the silicon ring and the silicon rectangular rod, and the graphene strip is placed at the bottom of the silicon ring or the silicon rectangular rod. By integrating graphene into the resonator, the all dielectric electromagnetically induced transparency is actively tuned, and the switching effect of the transparent window is well realized.



21: 2021/08147. 22: 2021/10/22. 43: 2021/11/10
51: G06F

71: QINGDAO UNIVERSITY OF TECHNOLOGY

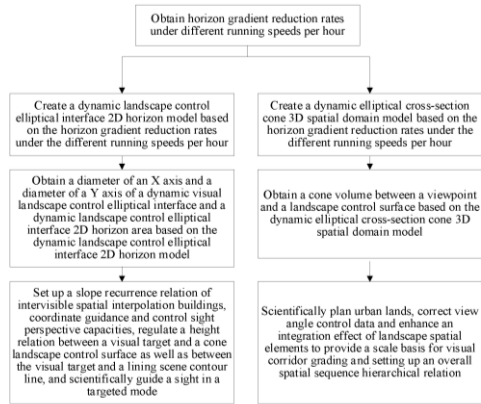
72: PANG, Feng, WANG, Li, WANG, Lisha, DONG, Haitao, LIU, Shan, LI, Xin, WANG, Zongpeng

33: CN 31: 202110938472.1 32: 2021-08-16

54: VISUAL CORRIDOR PLANNING AND DESIGN METHOD AND SYSTEM FOR URBAN MOTORIZED TRANSPORTATION ENVIRONMENT

00: -

The present invention discloses a visual corridor planning and design method and system for an urban motorized transportation environment. Horizon gradient reduction rates under different running speeds per hour are obtained; a dynamic landscape control elliptical interface 2D horizon model and a dynamic elliptical cross-section cone 3D spatial domain model are created based on the horizon gradient reduction rates; diameters of an X axis and a Y axis of a dynamic visual landscape control elliptical interface and an elliptical interface 2D horizon area are obtained based on the 2D model; a slope recurrence relation of intervisible spatial interpolation buildings is set up and guidance and control sight perspective capacities are coordinated based on a length of a long axis and a length of a short axis of the dynamic visual landscape control elliptical interface and the elliptical interface 2D horizon area.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

3. DESIGNS

DESIGNS

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

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

- APPLIED ON 2021/10/26 -

A2021/01321 - PUMA SE Class 2. SHOE MIDSOLE

A2021/01320 - PUMA SE Class 2. SHOE MIDSOLE

F2021/01319 - MAKHUBELA, Velenjani Phangothe Absalom Class 25. PREFABRICATED ASSEMBLY

- APPLIED ON 2021/10/27 -

A2021/01330 - AFRILLOO (PROPRIETARY) LIMITED Class 25. LOUVRE ELEMENTS AND TOILET INSTALLATIONS INCORPORATING THE LOUVRE ELEMENTS

A2021/01323 - PHILIP MORRIS PRODUCTS S.A. Class 27. EXTINGUISHER FOR AEROSOL GENERATORS

F2021/01327 - PHILIP MORRIS PRODUCTS S.A. Class 27. EXTINGUISHER FOR AEROSOL GENERATORS

A2021/01324 - PHILIP MORRIS PRODUCTS S.A. Class 27. EXTINGUISHER FOR AEROSOL GENERATORS

A2021/01334 - CJ CHEILJEDANG CORPORATION Class 9. CONTAINER FOR PACKING

A2021/01325 - PHILIP MORRIS PRODUCTS S.A. Class 27. EXTINGUISHER FOR AEROSOL GENERATORS

A2021/01335 - SATHASIVAN LOGANATHAN GOVENDER Class 21. BOARD GAME

F2021/01333 - AFRILLOO (PROPRIETARY) LIMITED Class 25. TOILET INSTALLATIONS

F2021/01332 - AFRILLOO (PROPRIETARY) LIMITED Class 25. LOUVRE ELEMENTS AND TOILET INSTALLATIONS INCORPORATING THE LOUVRE ELEMENTS

F2021/01329 - AFRILLOO (PROPRIETARY) LIMITED Class 25. LOUVRE ELEMENTS AND TOILET INSTALLATIONS INCORPORATING THE LOUVRE ELEMENTS

F2021/01322 - John Abraham Kotze jnr. Class 22. BIRD REPELLENT DEVICE

A2021/01331 - AFRILLOO (PROPRIETARY) LIMITED Class 25. TOILET INSTALLATIONS

A2021/01328 - AFRILLOO (PROPRIETARY) LIMITED Class 25. LOUVRE ELEMENTS AND TOILET INSTALLATIONS INCORPORATING THE LOUVRE ELEMENTS

F2021/01326 - PHILIP MORRIS PRODUCTS S.A. Class 27. EXTINGUISHER FOR AEROSOL GENERATORS

- APPLIED ON 2021/10/28 -

F2021/01336 - Monde Simphiwe Gwabeni Class 21. MODIFIED GYM MAT

A2021/01348 - Peloton Interactive, Inc. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2021/01347 - Peloton Interactive, Inc. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

F2021/01349 - GASPARRE, Gioacchino Class 07. A COOKING IMPLEMENT FOR A PIZZA OVEN

A2021/01339 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

A2021/01342 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

A2021/01337 - PUMA SE Class 2. SHOE MIDSOLE

A2021/01338 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

A2021/01340 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

A2021/01341 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

A2021/01346 - Peloton Interactive, Inc. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2021/01345 - Peloton Interactive, Inc. Class 14. DISPLAY SCREENS OR PORTIONS THEREOF WITH GRAPHICAL USER INTERFACES

A2021/01344 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2021/01343 - JOCKEY INTERNATIONAL, INC. Class 2. UNDERGARMENT

. - APPLIED ON 2021/10/29 -

A2021/01356 - Continental Reifen Deutschland GmbH Class 12. TYRES

A2021/01352 - RA ASSET TRUST Class 25. BARRIER ARRANGEMENTS

A2021/01354 - RA ASSET TRUST Class 25. BARRIERS

A2021/01367 - THABANG Class 32. KMP PODCAST

A2021/01357 - Continental Reifen Deutschland GmbH Class 12. TYRES

F2021/01351 - RA ASSET TRUST Class 08. CHAIN LINKS

F2021/01355 - RA ASSET TRUST Class 25. BARRIERS

F2021/01353 - RA ASSET TRUST Class 25. BARRIER ARRANGEMENTS

A2021/01350 - RA ASSET TRUST Class 08. CHAIN LINKS

. - APPLIED ON 2021/11/03 -

F2021/01364 - Jacques Pretorius Class 25. POST

A2021/01359 - CROMA-PHARMA GMBH Class 09. PACKAGING BOX

A2021/01360 - CROMA-PHARMA GMBH Class 09. PACKAGING BOX

A2021/01358 - Ezra Misonne Du Preez, Monicafern Solutions Class 11. BRACELET DESING

A2021/01363 - FOSCHINI RETAIL GROUP PROPRIETARY LIMITED Class 9. CONTAINERS FOR JEWELLERY

A2021/01362 - Jacques Pretorius Class 25. POST

F2021/01366 - Jacques Pretorius Class 25. POST

A2021/01365 - Jacques Pretorius Class 25. POST

A2021/01361 - CROMA-PHARMA GMBH Class 09. PACKAGING BOX

- APPLIED ON 2021/11/04 -

A2021/01370 - Polyoak Packaging (Pty) Ltd Class 07. TUB

F2021/01371 - Polyoak Packaging (Pty) Ltd Class 07. TUB

A2021/01368 - Polyoak Packaging (Pty) Ltd Class 07. TUB

F2021/01369 - Polyoak Packaging (Pty) Ltd Class 07. TUB

- APPLIED ON 2021/11/05 -

A2021/01385 - The Procter & Gamble Company Class 9. CONTAINERS

F2021/01391 - CHESTER BROWN INDUSTRIES PTY LTD Class 15. CUTTING TOOL HANDLING ASSEMBLY

A2021/01382 - The Procter & Gamble Company Class 9. CONTAINERS

F2021/01389 - CHESTER BROWN INDUSTRIES PTY LTD Class 15. CUTTING TOOL HANDLING ASSEMBLY

F2021/01374 - MANILAL, Heeran Class 9. STORAGE TANKS

A2021/01383 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01376 - Turlen Holding SA Class 10. WATCHES

A2021/01373 - MANILAL, Heeran Class 9. STORAGE TANKS

A2021/01386 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01387 - The Procter & Gamble Company Class 9. CONTAINERS

F2021/01375 - DESTINATION MOON (PTY) LTD Class 16. CAMERA DEVICE

A2021/01377 - HONDA MOTOR CO., LTD. Class 13. ELECTRIC POWER UNIT

A2021/01388 - CHESTER BROWN INDUSTRIES PTY LTD Class 15. CUTTING TOOL HANDLING ASSEMBLY

A2021/01378 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01380 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01381 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01384 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01390 - CHESTER BROWN INDUSTRIES PTY LTD Class 15. CUTTING TOOL HANDLING ASSEMBLY

A2021/01379 - Bayerische Motoren Werke Aktiengesellschaft Class 12. MOTOR VEHICLES

A2021/01372 - DESTINATION MOON (PTY) LTD Class 16. CAMERA DEVICE

- APPLIED ON 2021/11/08 -

A2021/01395 - CYRIL NHLANHLA SOKO Class 99. FOOTWEAR

A2021/01393 - TYME PTE. LIMITED Class 14. SELF-SERVICE FINANCIAL KIOSKS

A2021/01394 - TYME PTE. LIMITED Class 20. SELF-SERVICE FINANCIAL KIOSKS

F2021/01392 - SVI ENGINEERING (PTY) LTD Class 12. ARMOURED BODY OF A VEHICLE

- APPLIED ON 2021/11/09 -

A2021/01396 - Golden Fried Chicken (Proprietary) Limited Class 26. SOUL FUEL SAFE LAMP

F2021/01397 - Golden Fried Chicken (Proprietary) Limited Class 26. SOUL FUEL SAFE LAMP

F2021/01398 - BREMNER, Colin Derek Class 9. CONTAINERS

- APPLIED ON 2021/11/10 -

A2021/01403 - DAIO PAPER CORPORATION Class 32. CONTAINER

F2021/01400 - Polyoak Packaging (Pty) Ltd Class 09. CONTAINER

A2021/01402 - BWXT ISOTOPE TECHNOLOGY GROUP, INC. Class 24. ELUTION GENERATOR CANISTER ASSEMBLY

A2021/01401 - BWXT ISOTOPE TECHNOLOGY GROUP, INC. Class 24. ELUTION GENERATOR CANISTER ASSEMBLY

A2021/01399 - Polyoak Packaging (Pty) Ltd Class 09. CONTAINER

- APPLIED ON 2021/11/11 -

F2021/01407 - SVI ENGINEERING (PTY) LTD Class 12. SET OF ARMOURED ACCESSORIES FOR A VEHICLE

F2021/01405 - SVI ENGINEERING (PTY) LTD Class 12. SET OF ARMOURED ACCESSORIES FOR A VEHICLE

F2021/01404 - SVI ENGINEERING (PTY) LTD Class 12. ARMOURED FRAME AND WINDOWPANE

A2021/01409 - Enphase Energy, Inc. Class 13. PORTABLE POWER APPARATUS

F2021/01408 - GUNNEBO SOUTH AFRICA (PTY) LIMITED Class 6. MECHANISM FOR A SECURE ENCLOSURE

F2021/01406 - SVI ENGINEERING (PTY) LTD Class 12. ARMOURED FRAME AND WINDOWPANE

- APPLIED ON 2021/11/12 -

A2021/01419 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

F2021/01410 - Wireman Pty Limited Class 25. A FENCING LANYARD

A2021/01417 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

A2021/01420 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

A2021/01416 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

A2021/01421 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

A2021/01412 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01418 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

A2021/01415 - GREAT WALL MOTOR COMPANY LIMITED Class 12. AUTOMOBILE

A2021/01414 - Chery Automobile Co., Ltd. Class 12. CARS

A2021/01411 - The Procter & Gamble Company Class 9. CONTAINERS

A2021/01413 - The Procter & Gamble Company Class 9. CONTAINERS

- APPLIED ON 2021/11/15 -

A2021/01424 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

A2021/01422 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

A2021/01426 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

A2021/01425 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

A2021/01427 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

A2021/01423 - Beijing Kuaimajiabian Technology Co., Ltd. Class 32. GRAPHICAL USER INTERFACE

- APPLIED ON 2021/11/16 -

F2021/01430 - SVI ENGINEERING (PTY) LTD Class 12. SCRAPER SYSTEM FOR A VEHICLE

A2021/01431 - Johnson & Johnson Consumer Inc. Class 32. SURFACE PATTERNS

A2021/01432 - Johnson & Johnson Consumer Inc. Class 32. SURFACE PATTERNS

A2021/01428 - INFINITE PERIPHERALS, INC. Class 14. OPTICAL SCANNER

A2021/01429 - INFINITE PERIPHERALS, INC. Class 14. OPTICAL SCANNER

- APPLIED ON 2021/11/17 -

A2021/01434 - TIGER FOOD BRANDS INTELLECTUAL PROPERTY HOLDING COMPANY (PROPRIETARY) LIMITED Class 9. CONTAINER

A2021/01433 - TIGER FOOD BRANDS INTELLECTUAL PROPERTY HOLDING COMPANY (PROPRIETARY) LIMITED Class 9. CONTAINER

- APPLIED ON 2021/11/18 -

A2021/01435 - APPLE INC. Class 14. PAIR OF EARPHONES

F2021/01438 - EARTH WORKS TECHNOLOGIES (PTY) LIMITED Class 08. PLUG

A2021/01439 - EARTH WORKS TECHNOLOGIES (PTY) LIMITED Class 08. PLUG

A2021/01436 - APPLE INC. Class 3. CASE

A2021/01437 - APPLE INC. Class 3. CASE WITH EARPHONES

- APPLIED ON 2021/11/19 -

A2021/01442 - VOLTEX (PROPRIETARY) LIMITED Class 23. HEATING EQUIPMENT

A2021/01441 - VAN DER MERWE, Adre Class 28. PERSONAL MASSAGER

F2021/01451 - ABC AFRICA (PTY) LTD, GLOW GEAR CC Class 02. GARMENT

F2021/01453 - ABC AFRICA (PTY) LTD, GLOW GEAR CC Class 02. GARMENT

A2021/01447 - DINOPHASE (PTY) LTD. Class 4. ORAL CARE IMPLEMENTS

A2021/01450 - ABC AFRICA (PTY) LTD, GLOW GEAR CC Class 02. GARMENT

A2021/01454 - FRAI PRODUCTS (PTY) LTD Class 09. PRODUCT CONTAINER, DISPENSER OR APPLICATOR

F2021/01444 - CAWOOD, Alan Class 21. ANCHORS

A2021/01452 - ABC AFRICA (PTY) LTD, GLOW GEAR CC Class 02. GARMENT

A2021/01449 - DINOPHASE (PTY) LTD. Class 4. ORAL CARE IMPLEMENTS

F2021/01455 - FRAI PRODUCTS (PTY) LTD Class 09. PRODUCT CONTAINER, DISPENSER OR APPLICATOR

A2021/01448 - DINOPHASE (PTY) LTD. Class 4. ORAL CARE IMPLEMENT BRISTLES

F2021/01446 - Neill Human Class 13. BEVERAGE CAN BASED METAL-AIR FUEL-CELL

A2021/01440 - VAN DER MERWE, Adre Class 28. PERSONAL MASSAGER

F2021/01445 - SMITH, Neville Class 12. BICYCLE SPARE WHEEL MOUNTS

F2021/01443 - VOLTEX (PROPRIETARY) LIMITED Class 23. HEATING EQUIPMENT

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: A2019/01142 22: 2019-08-21 23:
43: 2021-09-20
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 144550 32: 2019-02-22
54: Watch Dial

57: The design relates to a watch dial. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2019/01376 22: 2019-09-18 23:

43: 2021-09-21

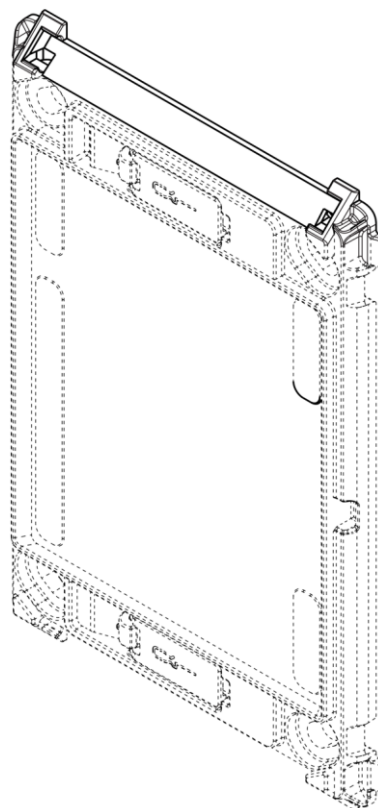
52: Class 13 24: Part A

71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED

33: AU 31: 201911561 32: 2019-03-21

54: GRID PLATE

57: The design is applied to a grid plate. The features of the design for which protection is claimed are those of the shape and/or configuration of the grid plate, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines are provided to indicate contours but do not form part of the design and are also disclaimed.



21: A2019/01389 22: 2019-09-19 23:

43: 2021-09-21

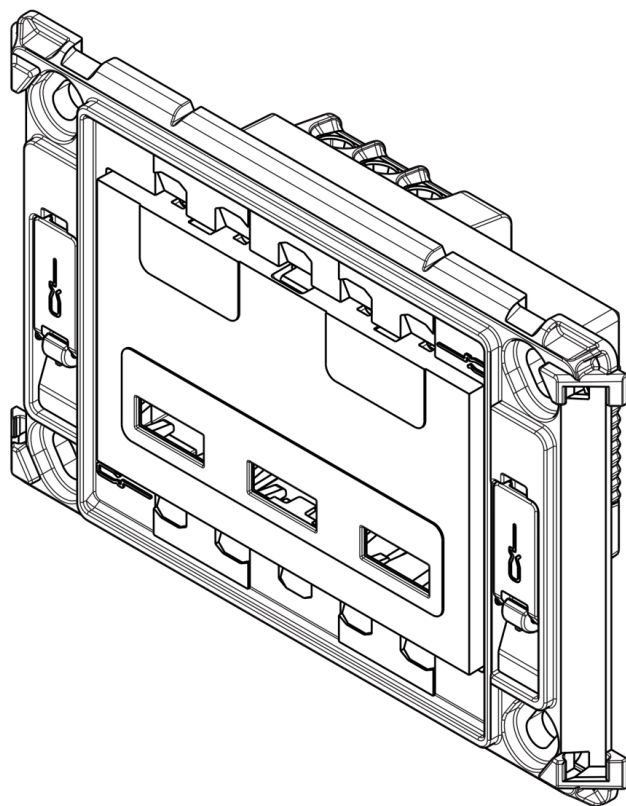
52: Class 13 24: Part A

71: SCHNEIDER ELECTRIC (AUSTRALIA) PTY LIMITED

33: AU 31: 201911566 32: 2019-03-21

54: GRID PLATE

57: The design is applied to a grid plate. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the grid plate, substantially as illustrated in the accompanying representation. Contour lines are provided to indicate contours but do not form part of the design and are disclaimed.



21: A2019/01425 22: 2019-09-26 23:

43: 2021-09-20

52: Class 21. 24: Part A

71: MAN TRUCK & BUS SE

33: EM 31: 006622254-0001 32: 2019-07-11

54: Scale Model of a Bus

57: The design relates to a scale model of a bus. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT VIEW

21: A2019/01518 22: 2019-10-10 23:

43: 2021-10-21

52: Class 02 24: Part A

71: SELECT PPE (PTY) LTD

54: JACKET

57: The novelty of the design resides in the shape and/or configuration and/or pattern and/or ornamentation of the jacket substantially as shown in the accompanying drawings



21: A2019/01521 22: 2019-10-10 23:

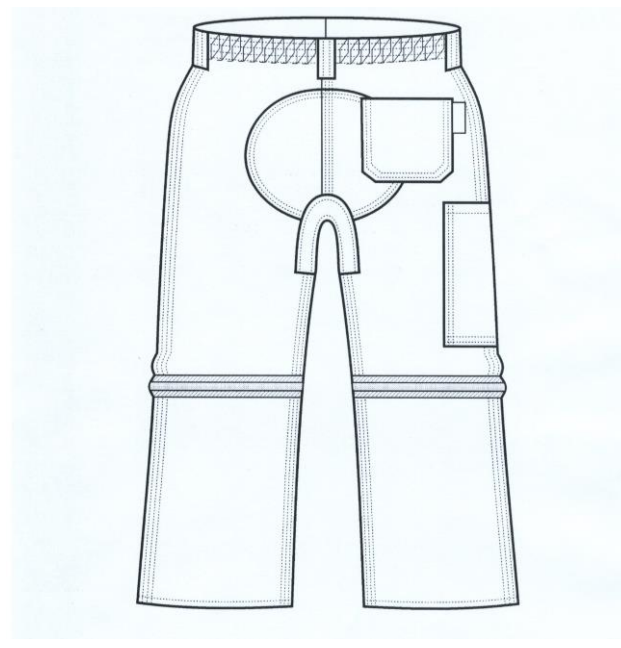
43: 2021-10-21

52: Class 02 24: Part A

71: SELECT PPE (PTY) LTD

54: TROUSERS

57: The novelty of the design resides in the shape and/or configuration and/or pattern and/or ornamentation of trousers substantially as shown in the accompanying drawings



21: A2019/01526 22: 2019-10-14 23:

43: 2021-09-21

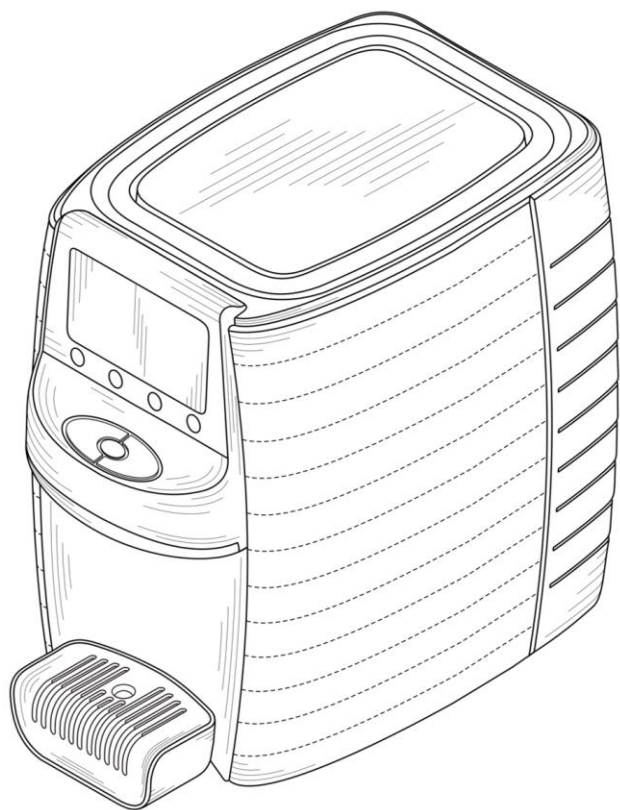
52: Class 20 24: Part A

71: S.B.I.D SOLUTIONS, ENTERPRISE AND INVESTMENTS LTD.

33: US 31: 29/687,590 32: 2019-04-14

54: WATER DISPENSER

57: The design is applied to a water dispenser. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the water dispenser, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Contour lines and surface shading lines are provided to indicate the contours and the surface character but do not form part of the design and are disclaimed.



21: A2020/01406 22: 2020-10-29 23:

43: 2021-09-21

52: Class 12. 24: Part A

71: FERRARI S.P.A.

33: EM 31: 007849245-0003 32: 2020-04-30

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: A2020/01507 22: 2020-11-23 23:

43: 2021-09-21

52: Class 12. 24: Part A

71: FERRARI S.P.A.

33: EM 31: 007971676-0001 32: 2020-05-26

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: A2020/01508 22: 2020-11-23 23:

43: 2021-09-21

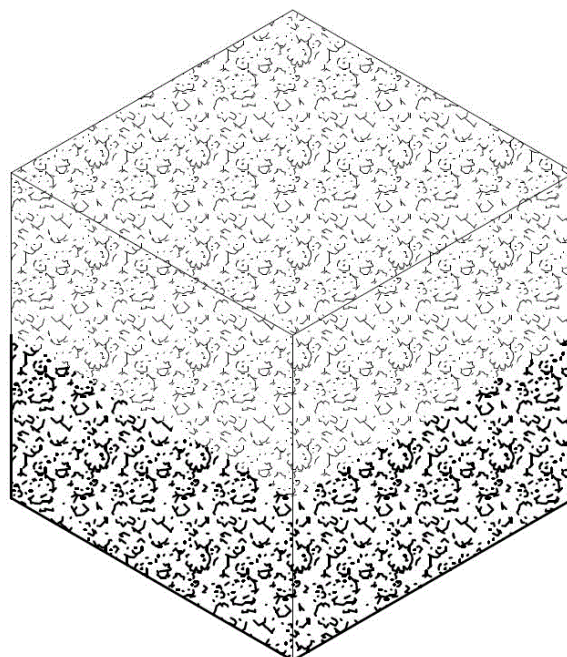
52: Class 21. 24: Part A

71: FERRARI S.P.A.

33: EM 31: 007968094-0001 32: 2020-05-26

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: A2020/01665 22: 2020-12-22 23:

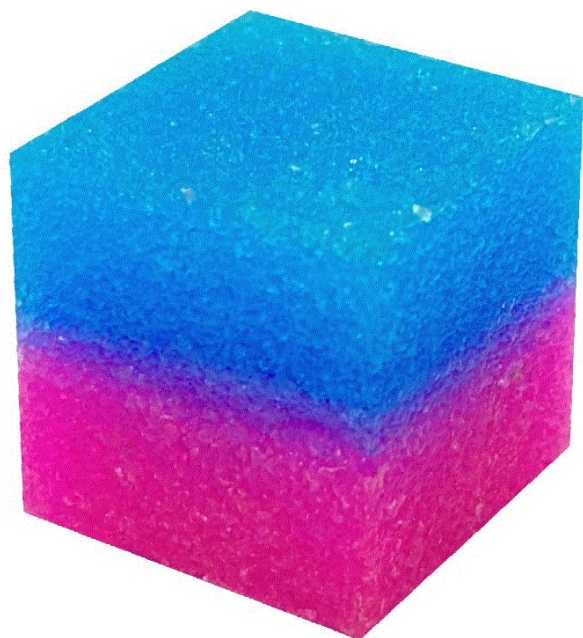
43: 2020-06-30

52: Class 23 24: Part A

71: Brand Pack (Pty) Ltd

**54: WATER TREATMENT CHEMICAL
ARTEFACTS**

57: The design is for a water treatment chemical artefact, substantially as illustrated in the accompanying representations.



21: A2020/01667 22: 2020-12-22 23:

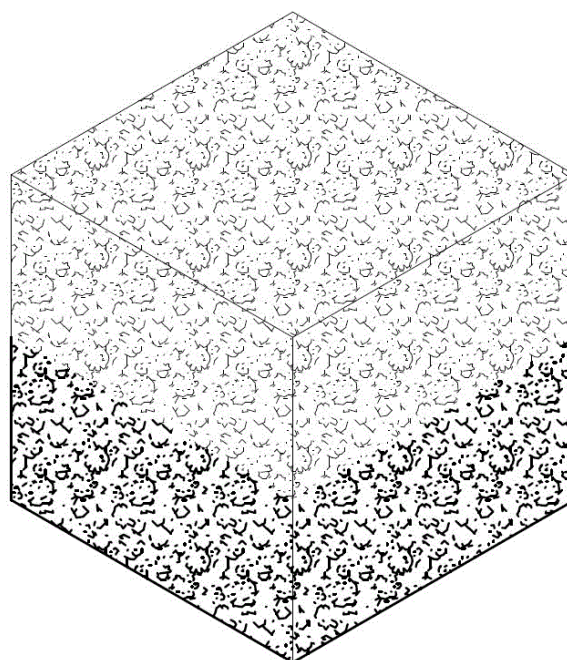
43: 2020-06-30

52: Class 23 24: Part A

71: Brand Pack (Pty) Ltd

**54: WATER TREATMENT CHEMICAL
ARTEFACTS**

57: The design is for a water treatment chemical artefact, substantially as illustrated in the accompanying representations.



21: A2020/01666 22: 2020-12-22 23:

43: 2020-06-30

52: Class 23 24: Part A

71: Brand Pack (Pty) Ltd

**54: WATER TREATMENT CHEMICAL
ARTEFACTS**

57: The design is for a water treatment chemical artefact, substantially as illustrated in the accompanying representations.

21: A2020/01704 22: 2020-12-23 23:

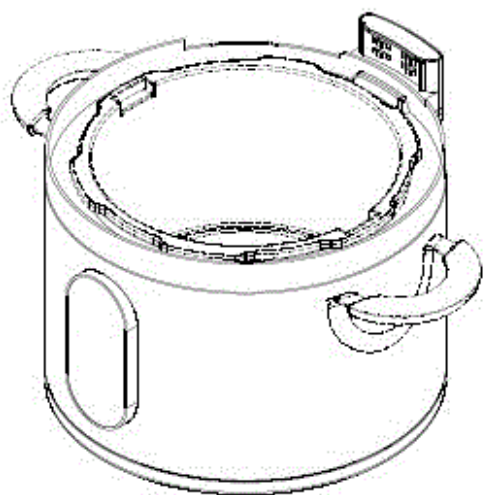
43: 2020-12-23

52: Class 7 24: Part A

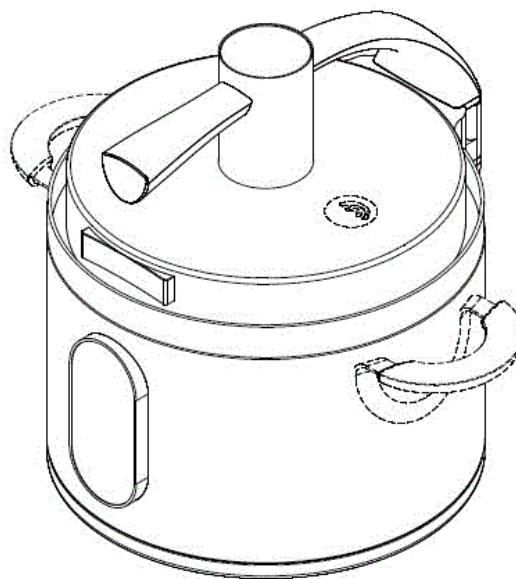
71: ZHEUNG, Gordon

54: PORRIDGE COOKER BODY

57: The design is applied to a porridge cooker body of a porridge cooker. The features of the design for which protection is claimed include the shape and/or configuration of a porridge cooker body substantially as shown in the accompanying representations.



Three-dimensional view



Three-dimensional view

21: A2020/01708 22: 2020-12-23 23:

43: 2020-12-23

52: Class 7 24: Part A

71: ZHEUNG, Gordon

54: LID

57: The design is applied to a lid of a porridge cooker. The features of the design for which protection is claimed include the shape and/or configuration of a lid substantially as shown in the accompanying representations.

21: A2020/01706 22: 2020-12-23 23:

43: 2020-12-23

52: Class 7 24: Part A

71: ZHEUNG, Gordon

54: PORRIDGE COOKER

57: The design is applied to a porridge cooker. The features of the design for which protection is claimed include the shape and/or configuration of a porridge cooker substantially as shown in the accompanying representations.



Three-dimensional view

21: A2020/01709 22: 2020-12-23 23:

43: 2020-12-23

52: Class 14 24: Part A

71: ZHEUNG, Gordon

54: GRAPHICAL USER INTERFACE

57: The design is applied to a graphical user interface. The features of the design for which protection is claimed include the shape and/or configuration and/or pattern and/or ornamentation of a graphical user interface substantially as shown in the accompanying representation



Front view

21: A2021/00017 22: 2021-01-08 23:

43: 2021-09-20

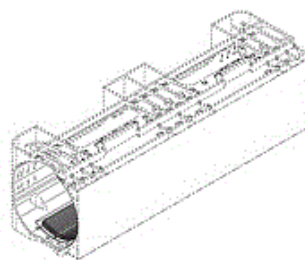
52: Class 6. 24: Part A

71: POLYMER SOLUTIONS INTERNATIONAL INC.

33: US 31: 29/741,203 32: 2020-07-10

54: Portion of a Container Rack

57: The design relates to a portion of a container rack. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**FRONT PERSPECTIVE VIEW**

21: A2021/00069 22: 2021-02-02 23:

43: 2020-08-03

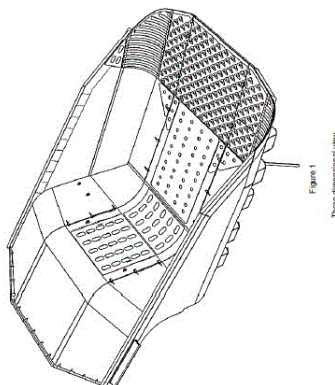
52: Class 12 24: Part A

71: Duratray Investment Pty Ltd.

33: AU 31: 202014210 32: 2020-08-03

54: HOPPERS

57: The design is for a hopper comprising a body with an upper canopy at a first end, the canopy extending to a downwardly inclined wall, to a lower payload area at a second end. The body includes a pair of opposing raised side walls at either side. The canopy includes a central square portion flanked by downwardly inclined quadrilateral portions having slanted walls at the first end. A central portion of the inclined wall includes a plurality of oval elements. The payload area is generally rectangular and includes a pair of short upstanding side walls. The second end of the payload area is convexly curved and includes a plurality of triangular shaped elements forming a flooring. The side walls at the second end are ribbed. A rear surface of the payload area includes three elongate members arranged in parallel, each including a plurality of raised rectangular elements separated by raised walls.



21: A2021/00071 22: 2021-02-03 23:

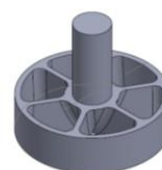
43: 2021-10-04

52: Class 22 24: Part A

71: RIOT AND PROTEST AMMUNITION (PTY) LTD

54: A PROJECTILE

57: The features of the design for which protection is claimed include the shape and/or configuration of a projectile, substantially as shown in the accompanying representations, irrespective of the number of fins helically arranged in the base of the projectile.



21: A2021/00076 22: 2021-02-03 23:

43: 2021-09-10

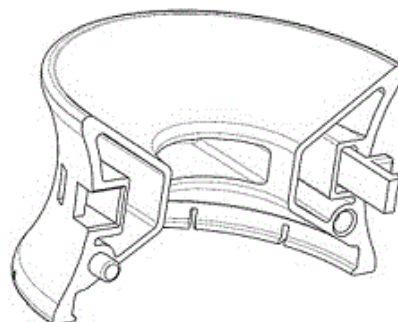
52: Class 24. 24: Part A

71: DÜRR SYSTEMS AG

33: EM 31: 008072318-0003 32: 2020-08-04

54: A Part of a Disinfection Apparatus

57: The design relates to a part of a disinfection apparatus. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00091 22: 2021-02-04 23:

43: 2021-09-10

52: Class 14. 24: Part A

71: VIVO MOBILE COMMUNICATION CO., LTD.

33: CN 31: 202030453095.9 32: 2020-08-11

54: Mobile Phone

57: The design relates to a mobile phone. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT PERSPECTIVE VIEW

21: A2021/00092 22: 2021-02-04 23:
43: 2021-09-10

52: Class 3. 24: Part A

71: APPLE INC.

33: US 31: 29/745,410 32: 2020-08-05

54: Case for an Electronic Device

57: The design relates to a case for an electronic device. The features of the design are those of shape and/or configuration and/or ornamentation.



TOP FRONT PERSPECTIVE VIEW

21: A2021/00099 22: 2021-02-05 23:
43: 2021-09-10

52: Class 23. 24: Part A

71: ZIP HEATERS (AUSTRALIA) PTY LIMITED

33: AU 31: 202014296 32: 2020-08-06

54: Tap Head

57: The design relates to a tap head. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00100 22: 2021-02-05 23:

43: 2021-09-10

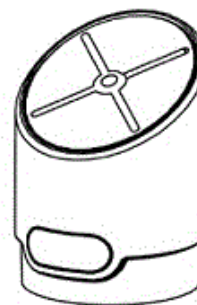
52: Class 23. 24: Part A

71: ZIP HEATERS (AUSTRALIA) PTY LIMITED

33: AU 31: 202014297 32: 2020-08-06

54: Tap Head

57: The design relates to a tap head. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00101 22: 2021-02-05 23:

43: 2021-09-10

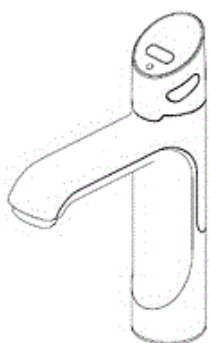
52: Class 23. 24: Part A

71: ZIP HEATERS (AUSTRALIA) PTY LIMITED

33: AU 31: 202014298 32: 2020-08-06

54: Tap

57: The design relates to a tap. The features of the design are those of shape and/or configuration and/or ornamentation

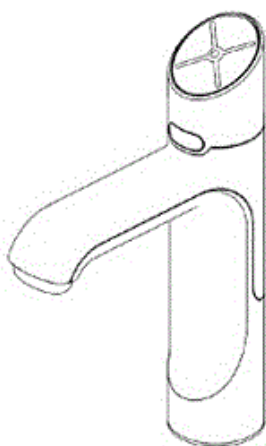


PERSPECTIVE VIEW

21: A2021/00102 22: 2021-02-05 23:
43: 2021-09-10
52: Class 23. 24: Part A
71: ZIP HEATERS (AUSTRALIA) PTY LIMITED
33: AU 31: 202014299 32: 2020-08-06

54: Tap

57: The design relates to a tap. The features of the design are those of shape and/or configuration and/or ornamentation.

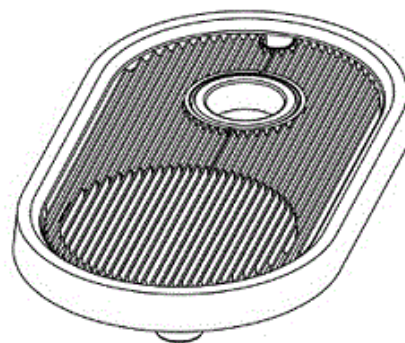


PERSPECTIVE VIEW

21: A2021/00103 22: 2021-02-05 23:
43: 2021-09-10
52: Class 23. 24: Part A
71: ZIP HEATERS (AUSTRALIA) PTY LIMITED
33: AU 31: 202014300 32: 2020-08-06

54: Tap Base

57: The design relates to a tap base. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2021/00104 22: 2021-02-05 23:
43: 2021-09-10
52: Class 12 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202030448611.9 32: 2020-08-08

54: VEHICLE

57: The design is for a vehicle in the form of a four door double cab commercial vehicle with a load bay behind the cabin.



21: A2021/00106 22: 2021-02-08 23:
43: 2021-09-10
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/746,459 32: 2020-08-13

54: Speaker

57: The design relates to a speaker. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2021/00114 22: 2021-02-12 23:
43: 2021-09-10
52: Class 10. 24: Part A
71: APPLE INC.
33: US 31: 29/746,615 32: 2020-08-14

54: Band

57: The design relates to a band. The features of the design are those of shape and/or configuration and/or ornamentation.

**TOP FRONT PERSPECTIVE VIEW**

21: A2021/00115 22: 2021-02-12 23:
43: 2021-09-10
52: Class 14. 24: Part A
71: APPLE INC.
33: US 31: 29/746,598 32: 2020-08-14
54: Headphones

57: The design relates to headphones. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**TOP FRONT PERSPECTIVE VIEW**

21: A2021/00117 22: 2021-02-12 23:
43: 2021-09-21
52: Class 32 24: Part A
71: POLYCLAY PRODUCTS (PTY) LTD

54: A GRAPHIC

57: The design is applied to a graphic. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the graphic, substantially as illustrated in the accompanying representation. The textual matter appearing on the graphic do not form part of the design and are disclaimed.



21: A2021/00118 22: 2021-02-12 23:
43: 2021-09-13
52: Class 26 24: Part A
71: HGCI, INC.
33: US 31: 29/769,210 32: 2021-02-04
54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts

shown in broken lines do not form part of the design and are disclaimed.

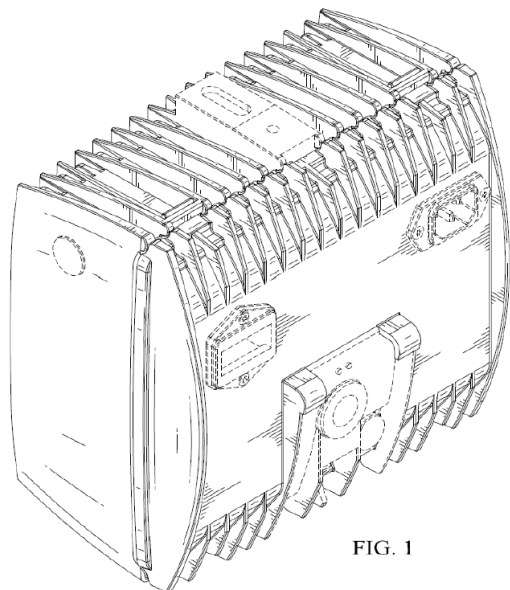


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

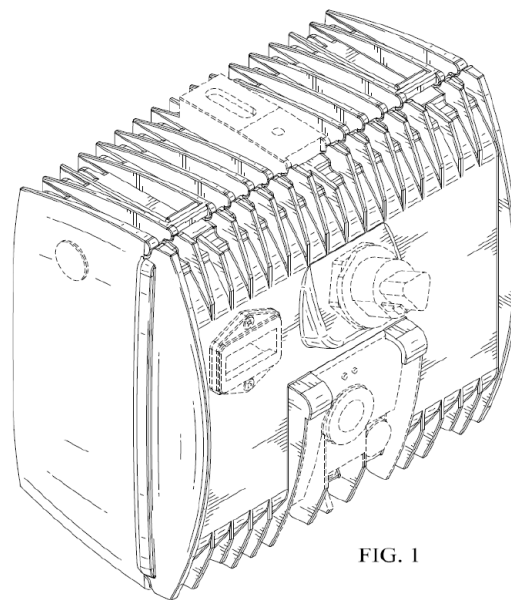


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

21: A2021/00119 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,211 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00120 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,212 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

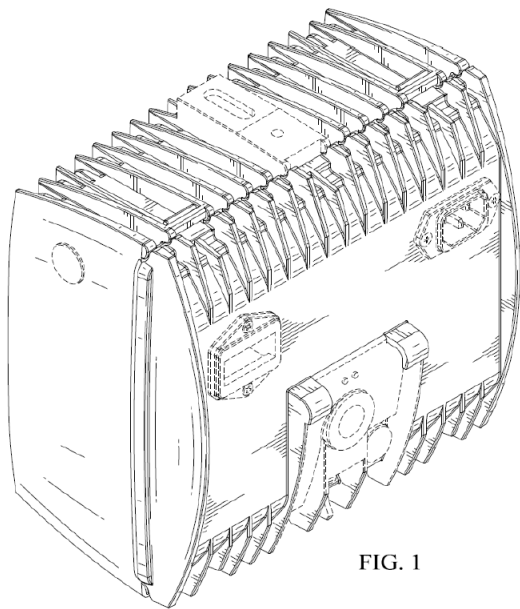


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

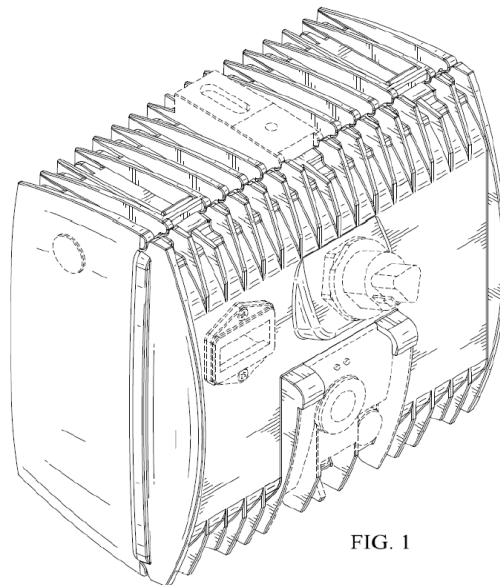


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

21: A2021/00121 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,213 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00122 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,214 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

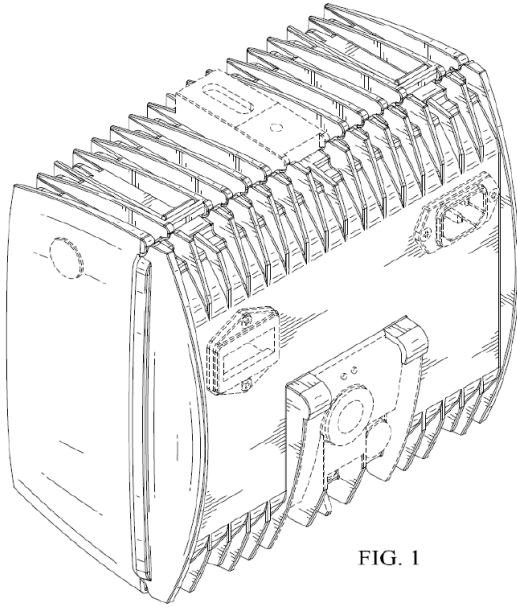


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

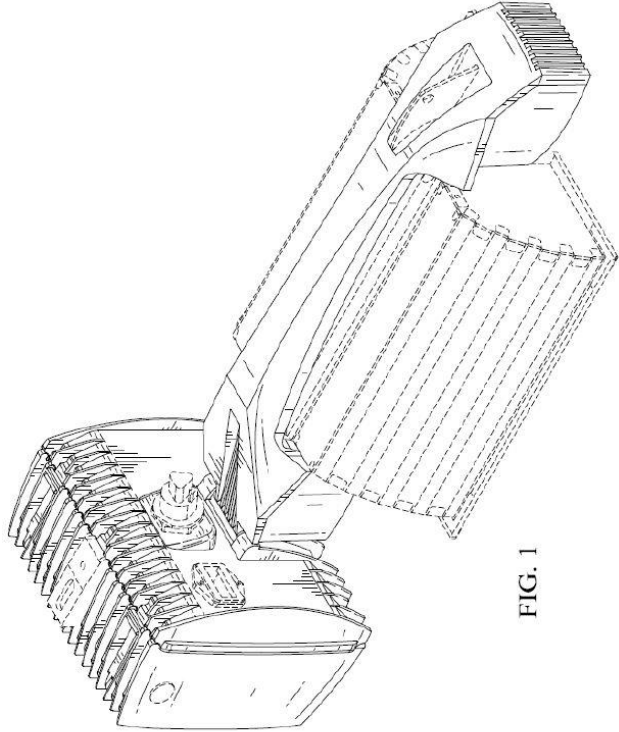


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00123 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,195 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00124 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,215 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

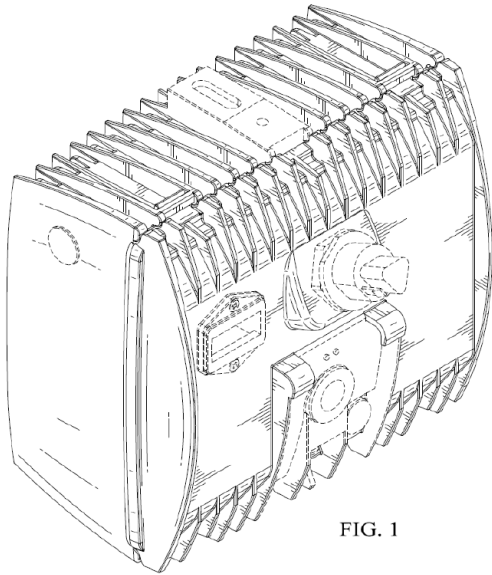


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

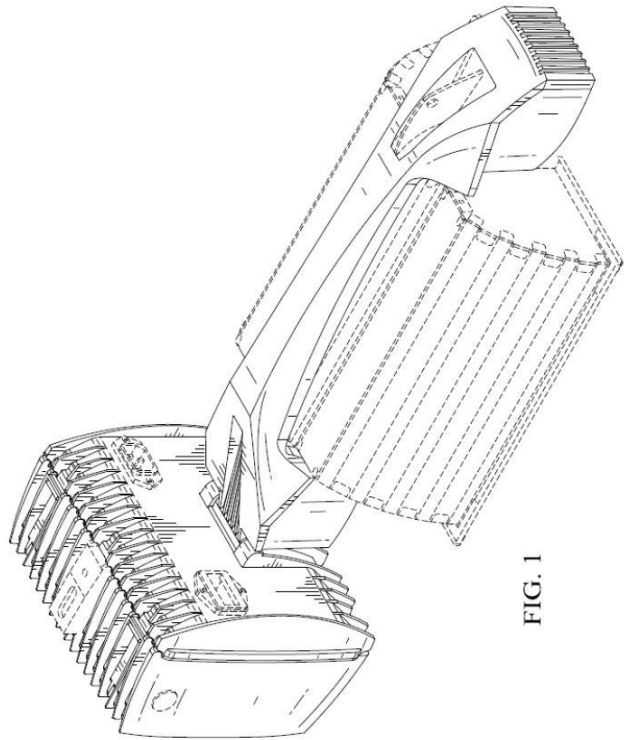


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00125 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,197 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00126 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,216 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

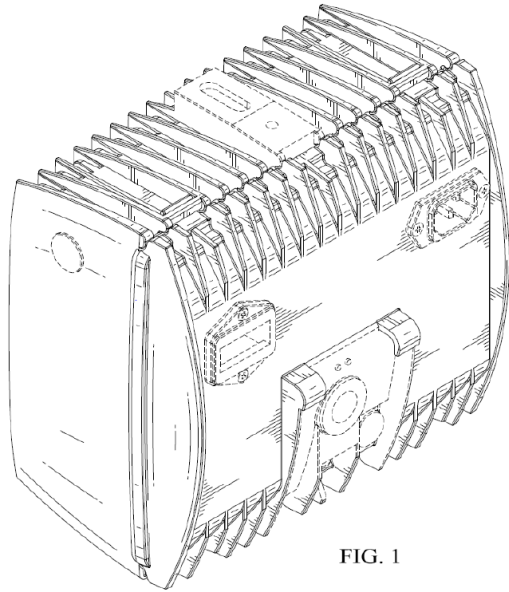


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

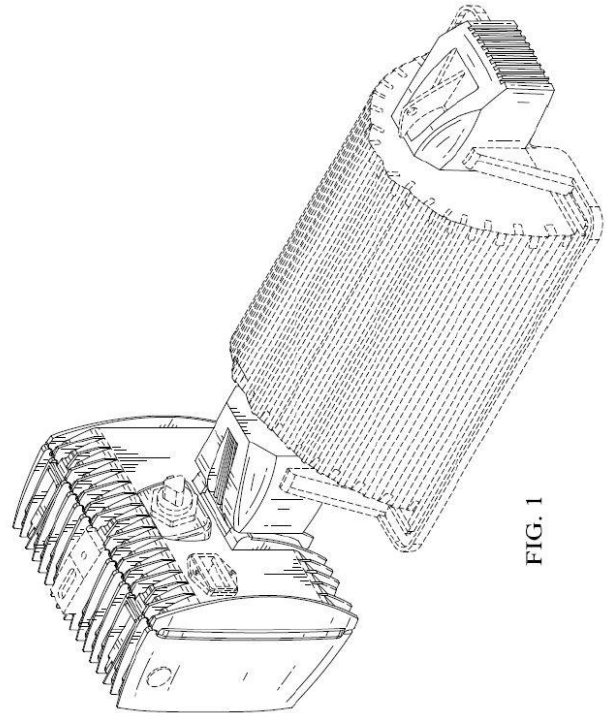


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00127 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,198 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00128 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,199 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

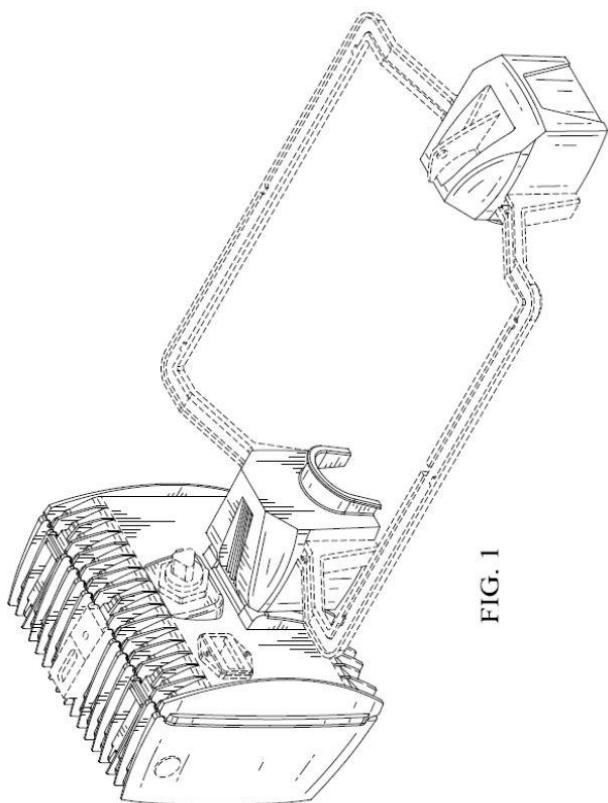


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

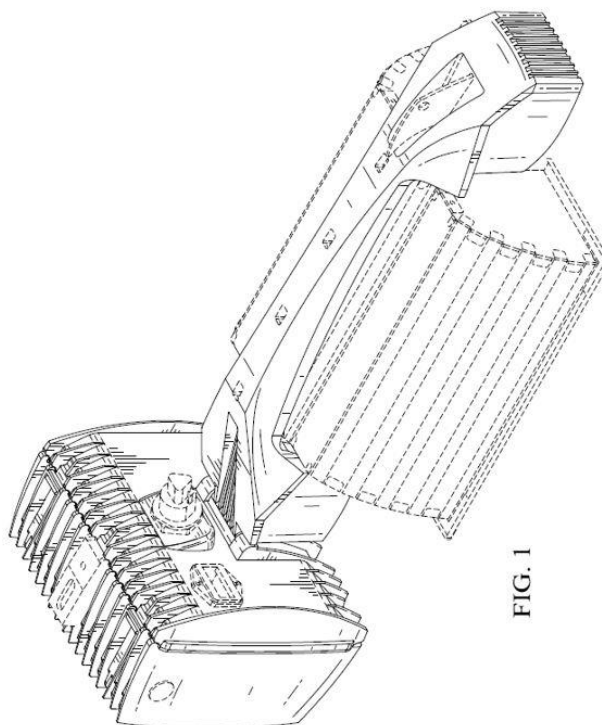


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00129 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,200 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00130 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,209 32: 2021-02-04

54: HOUSING FOR A LIGHTING BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a housing for a lighting ballast substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

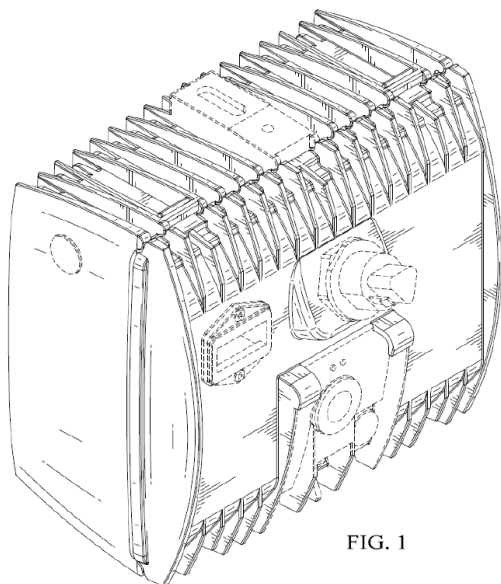


FIG. 1

Left front perspective view depicting a housing for a lighting ballast

21: A2021/00131 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,201 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

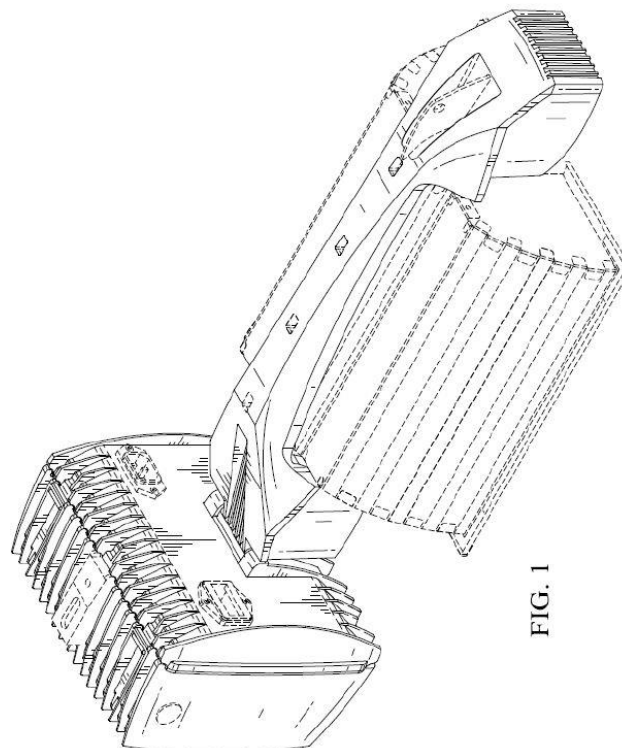


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00132 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,202 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

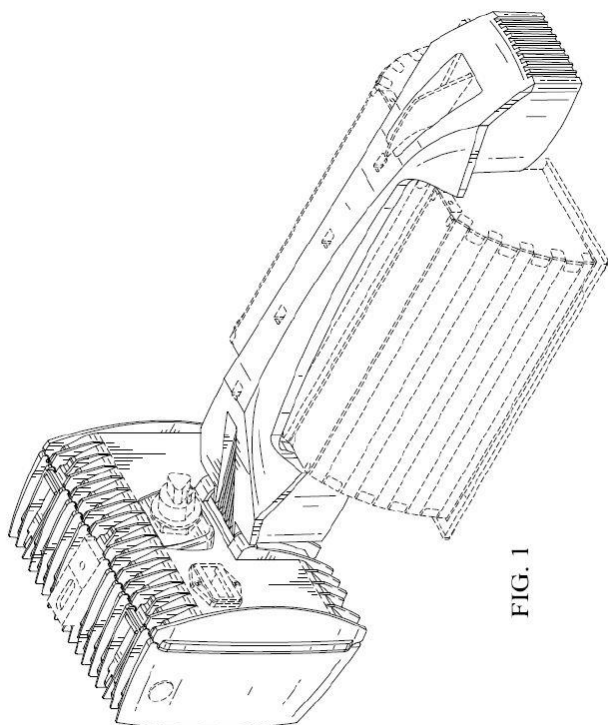


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

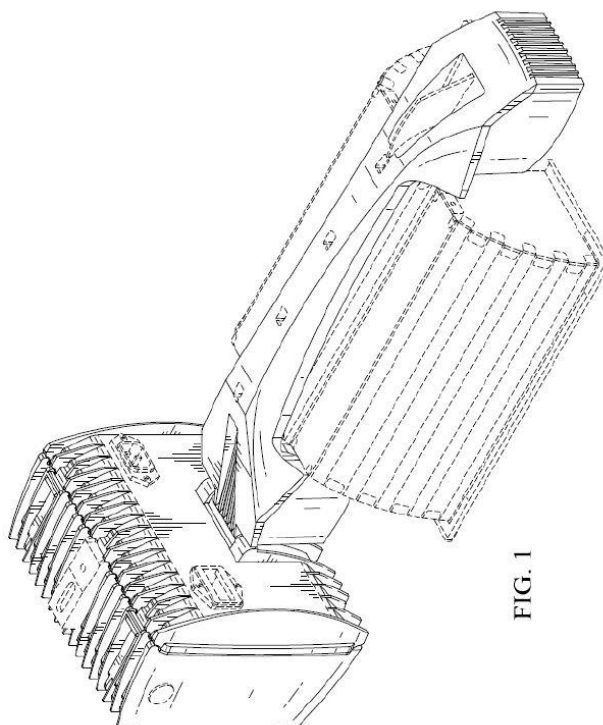


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00133 22: 2021-02-12 23:

43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,204 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00134 22: 2021-02-12 23:

43: 2021-09-13

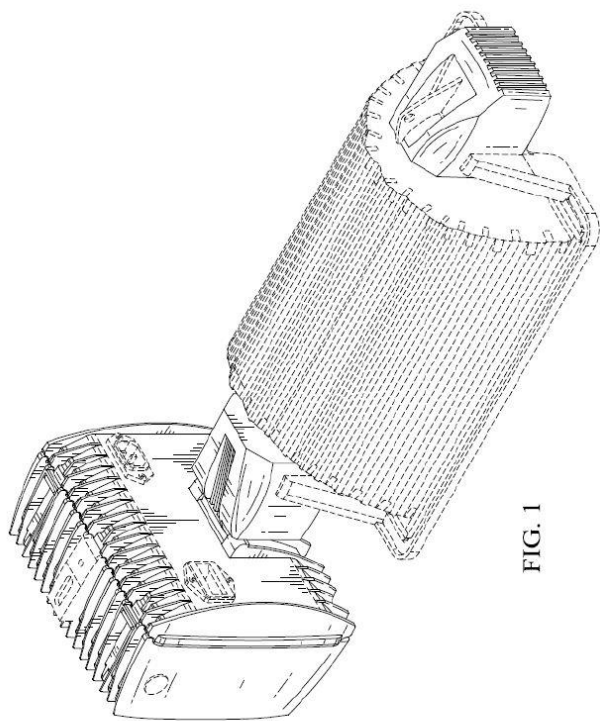
52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,205 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.



Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00135 22: 2021-02-12 23:
43: 2021-09-13

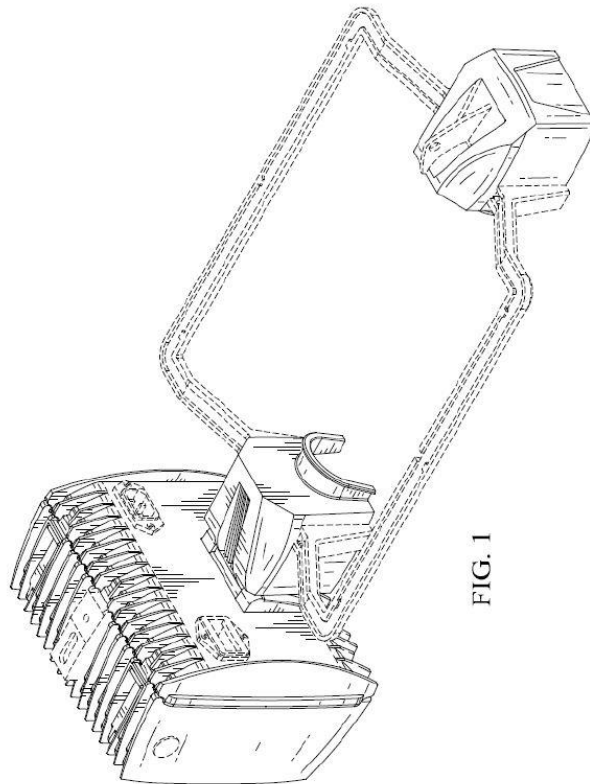
52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,206 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.



Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00136 22: 2021-02-12 23:
43: 2021-09-13

52: Class 26 24: Part A

71: HGCI, INC.

33: US 31: 29/769,207 32: 2021-02-04

54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

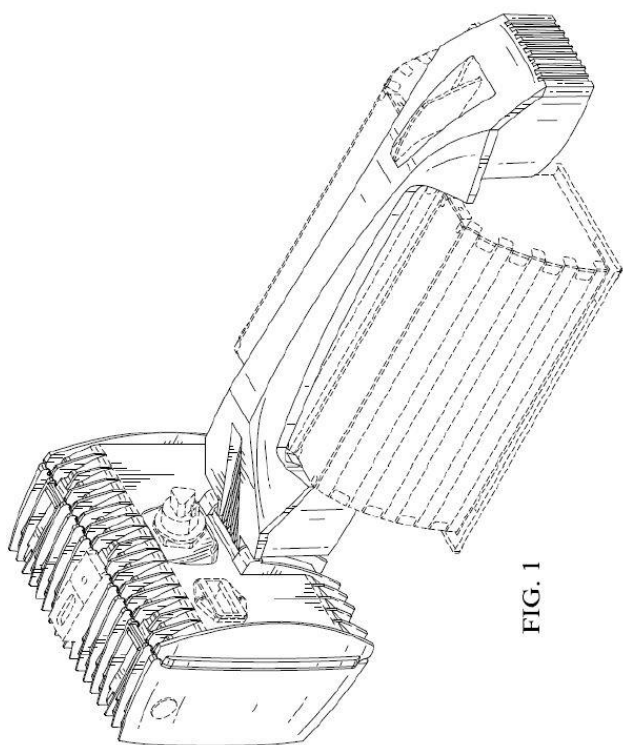


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

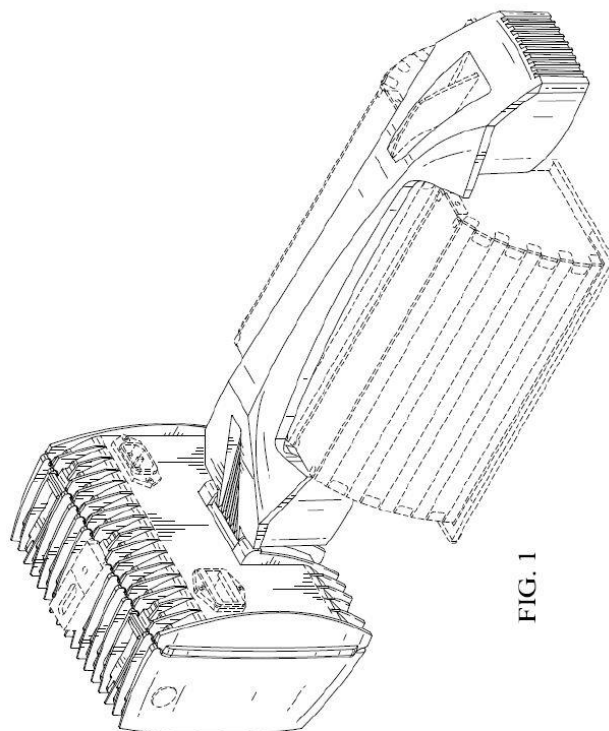


FIG. 1

Left front perspective view depicting a light fixture including a housing for a ballast

21: A2021/00137 22: 2021-02-12 23:
43: 2021-09-13
52: Class 26 24: Part A
71: HGCI, INC.

33: US 31: 29/769,208 32: 2021-02-04

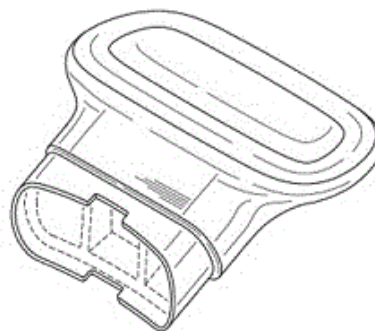
54: LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST

57: The features of the design for which protection is claimed reside in the shape and/or configuration and/or pattern and/or ornamentation of a light fixture substantially as illustrated in the accompanying representations, wherein the parts shown in broken lines do not form part of the design and are disclaimed.

21: A2021/00151 22: 2021-02-16 23:
43: 2021-09-10
52: Class 7. 24: Part A
71: DART INDUSTRIES INC.
33: US 31: 29/753,229 32: 2020-09-30

54: Cooking Pot Handle

57: The design relates to a cooking pot handle. The features of the design are those of shape and/or configuration and/or ornamentation.



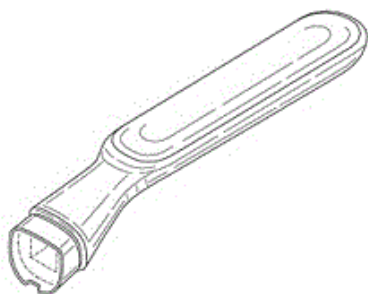
**TOP, REAR AND RIGHT
SIDE PERSPECTIVE VIEW**

21: A2021/00152 22: 2021-02-16 23:

43: 2021-09-10
 52: Class 7. 24: Part A
 71: DART INDUSTRIES INC.
 33: US 31: 29/753,235 32: 2020-09-30

54: Fry Pan Handle

57: The design relates to a fry pan handle. The features of the design are those of shape and/or configuration and/or ornamentation.

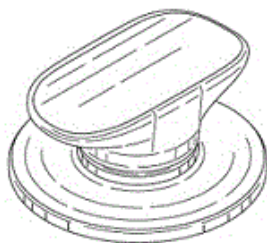


**TOP, REAR AND RIGHT
SIDE PERSPECTIVE VIEW**

21: A2021/00153 22: 2021-02-16 23:
 43: 2021-09-10
 52: Class 7. 24: Part A
 71: DART INDUSTRIES INC.
 33: US 31: 29/753,240 32: 2020-09-30

54: Cooking Lid Handle

57: The design relates to a cooking lid handle. The features of the design are those of shape and/or configuration and/or ornamentation.

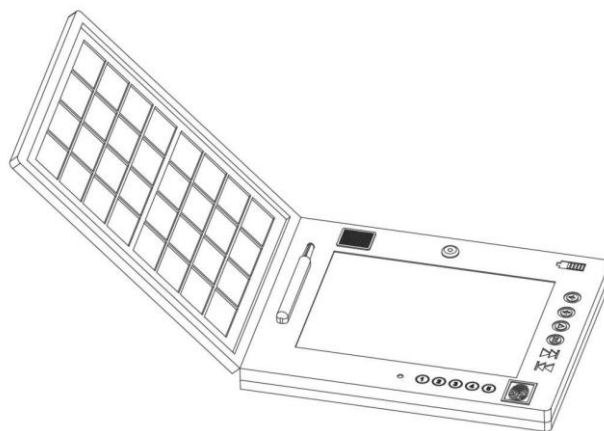


**TOP, FRONT AND LEFT SIDE
PERSPECTIVE VIEW**

21: A2021/00158 22: 2021-02-17 23:
 43: 2021-09-21

52: Class 14 24: Part A
 71: DAYN AMADE INVENTIONS LTD
 33: GB 31: 6101118 32: 2020-09-18
54: DIGITAL NOTEBOOK

57: The design is applied to a digital notebook. 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 digital notebook, substantially as illustrated in the accompanying representation.



21: A2021/00160 22: 2021-02-18 23:
 43: 2021-09-13

52: Class 10 24: Part A
 71: AJAX SYSTEMS CYPRUS HOLDINGS LTD
 33: WO 31: 101181 32: 2021-01-21

54: MOVEMENT SENSOR WITH IMAGE FIXATION

57: Protection is claimed for the aesthetic features and/or the configuration of a wireless motion detecting sensor device with image fixation. The device provides for visual alarm verification upon detecting movement.

Figure 1.1 – Front view
 15.99 x 11.82 cm

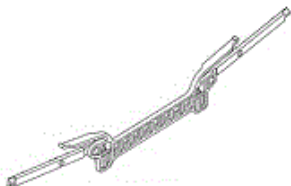


21: A2021/00164 22: 2021-02-19 23:
 43: 2021-09-10

52: Class 8. 24: Part A
 71: BOBRITSKI, JAKOV

54: Latching Device

57: The design relates to a latching device. The features of the design are those of shape and/or configuration.

**FRONT PERSPECTIVE VIEW**

21: A2021/00168 22: 2021-02-22 23:

43: 2021-09-10

52: Class 9. 24: Part A

71: MPACT LIMITED

54: A Tray

57: The design relates to a tray. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2021/00169 22: 2021-02-22 23:

43: 2021-09-10

52: Class 9. 24: Part A

71: MPACT LIMITED

54: A Chicken Tray

57: The design relates to a chicken tray. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**PERSPECTIVE VIEW**

21: A2021/00173 22: 2021-02-24 23:

43: 2021-09-10

52: Class 10. 24: Part A

71: ROLEX SA

33: CH 31: 145515 32: 2020-09-09

54: Watch Bracelet

57: The design relates to a watch bracelet. The features of the design are those of shape and/or configuration and/or ornamentation.

**TOP PERSPECTIVE VIEW**

21: A2021/00174 22: 2021-02-24 23:

43: 2021-10-11

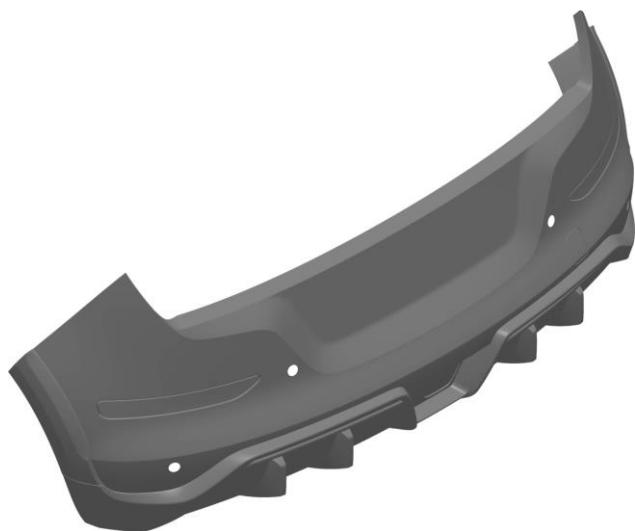
52: Class 12 24: Part A

71: GREAT WALL MOTOR COMPANY LIMITED

33: CN 31: 202030489443.8 32: 2020-08-25

54: VEHICLE REAR BUMPER

57: The design is for a vehicle rear bumper with a rearward protuberance extending from side-to-side, with four ribs defined below the protuberance and a central recess above the protuberance.



21: A2021/00175 22: 2021-02-24 23:
43: 2021-09-10
52: Class 12 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202030489446.1 32: 2020-08-25

54: VEHICLE

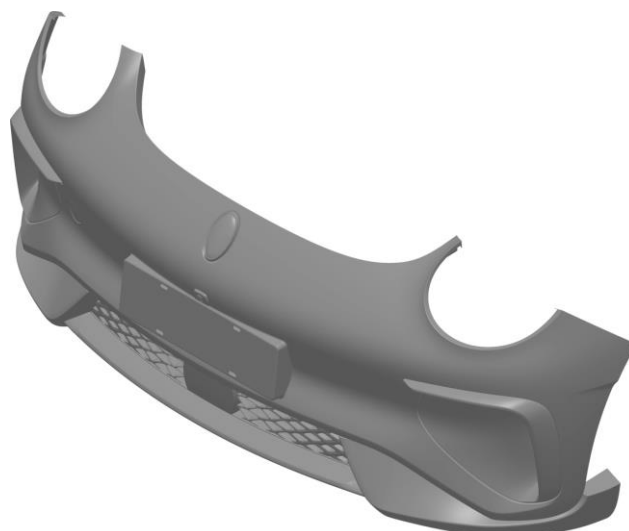
57: The design is for a vehicle in the form of a five door hatch back vehicle.



21: A2021/00176 22: 2021-02-24 23:
43: 2021-09-10
52: Class 12 24: Part A
71: GREAT WALL MOTOR COMPANY LIMITED
33: CN 31: 202030489444.2 32: 2020-08-25

54: VEHICLE FRONT BUMPER

57: The design is for a vehicle front bumper with a concave recess extending from side-to-side along its front, a central trapezoidal grille below the recess, air intakes at opposing lateral ends of the recess, a number plate holder in the centre of the recess, and an upper profile shaped to extend partly around the periphery of each of two rounded headlights.



21: A2021/00177 22: 2021-02-25 23:
43: 2021-09-13

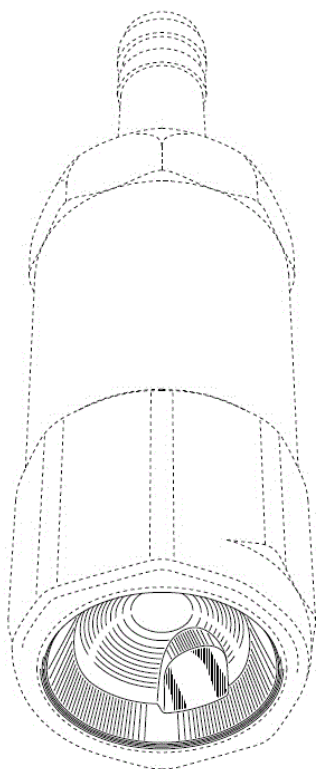
52: Class 9 24: Part A

71: LECAVALIER CELLARS, LLC

33: US 31: 29/748,393 32: 2020-08-28

54: PUNT WITH CORK RETAINER FOR A WINE BOTTLE

57: The design is applied to a wine bottle having a punt including a cork retainer shown in perspective bottom view in the drawing showing the overall appearance thereof.



21: A2021/00178 22: 2021-02-25 23:

43: 2021-09-13

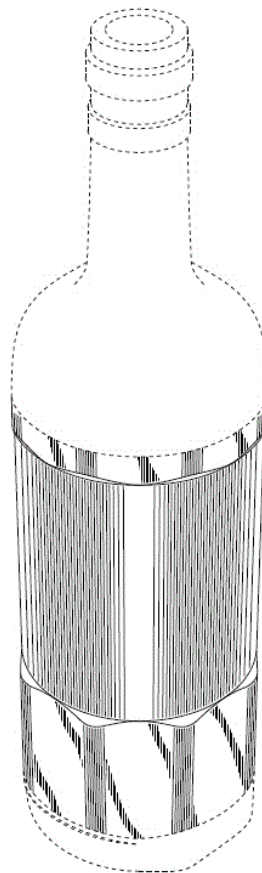
52: Class 9 24: Part A

71: LECAVALIER CELLARS, LLC

33: US 31: 29/748,388 32: 2020-08-28

54: FACETED BODY FOR A WINE BOTTLE

57: The design is applied to a wine bottle having a faceted body shown in perspective top view in the drawing showing the overall appearance thereof.



21: A2021/00181 22: 2021-02-25 23:

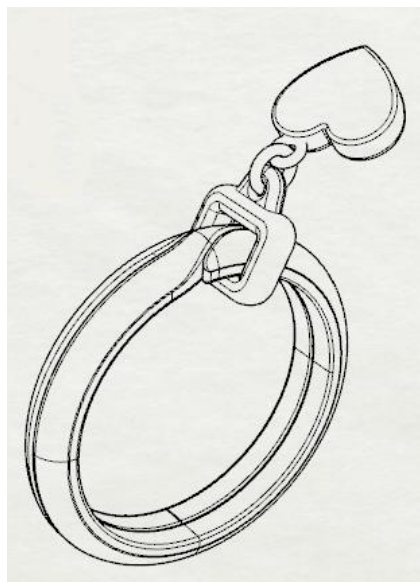
43: 2021-09-10

52: Class 11 24: Part A

71: BURTON, Robert Andrew

54: JEWELLERY SET

57: The design is for a jewellery set comprising one or more shanks resembling key rings, onto which one or more, but preferably several charms can be fitted and each charm includes an ornamental element and a band that can fit around the shank.



21: A2021/00183 22: 2021-02-26 23:
43: 2020-08-28
52: Class 23 24: Part A
71: Hias How2O AS
33: NO 31: 20200831 32: 2020-08-28

54: WATER TREATMENT DEVICES

57: The design is for a water treatment device comprising a body with a honeycomb structure comprising a plurality of smaller hexagonal elements arranged in a larger hexagon forming the body. Each of the six sides of the body comprises a series of four of the smaller hexagonal elements. Top and rear surfaces of the body are planar.

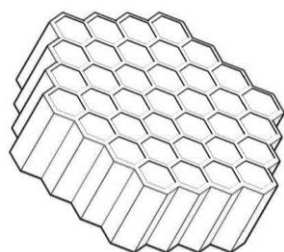
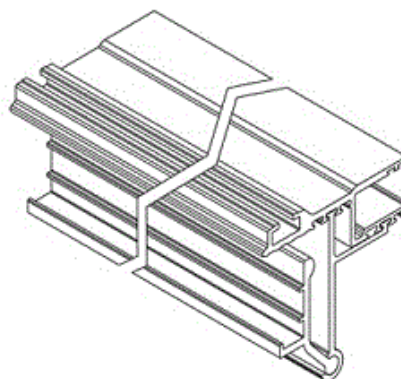


Figure 1
Enlarged three-dimensional view

21: F2019/00805 22: 2019-06-11 23:
43: 2021-09-20
52: Class 12. 24: Part F
71: SUPERIOR LOAD COVER (PTY) LTD

54: Mounting Component

57: The design relates to mounting components. The features of the design are those of shape and/or configuration.



**PERSPECTIVE VIEW OF
AN ASSEMBLED
MOUNTING COMPONENT**

21: F2019/01494 22: 2019-10-08 23:
43: 2021-09-21
52: Class 24 24: Part F
71: PRIONTEX MICRONCLEAN (PTY) LTD

54: A SURGICAL DRAPE

57: The design is applied to a surgical drape. The features of the design for which protection is claimed are those of the shape and/or configuration of the surgical drape, substantially as illustrated in Figures 1 and 2 of the accompanying representations.

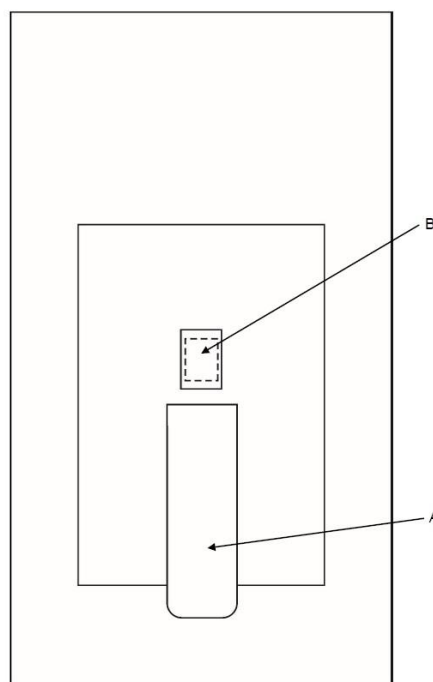


FIGURE 1
TOP VIEW

21: F2019/01517 22: 2019-10-10 23:

43: 2021-10-21

52: Class 02 24: Part F

71: SELECT PPE (PTY) LTD

54: JACKET

57: The novelty of the design resides in the shape and/or configuration and/or pattern of the jacket substantially as shown in the accompanying drawings



21: F2019/01520 22: 2019-10-10 23:

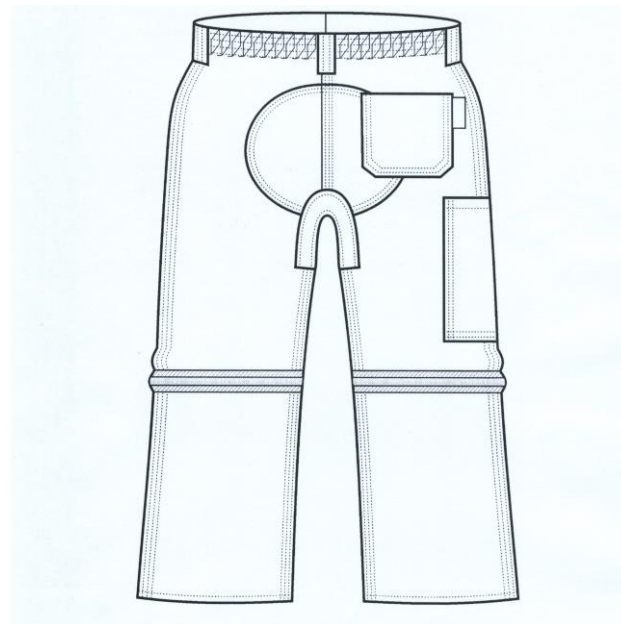
43: 2021-10-21

52: Class 02 24: Part F

71: SELECT PPE (PTY) LTD

54: TROUSERS

57: The novelty of the design resides in the shape and/or configuration and/or pattern of trousers substantially as shown in the accompanying drawings



21: F2020/00057 22: 2020-01-20 23:

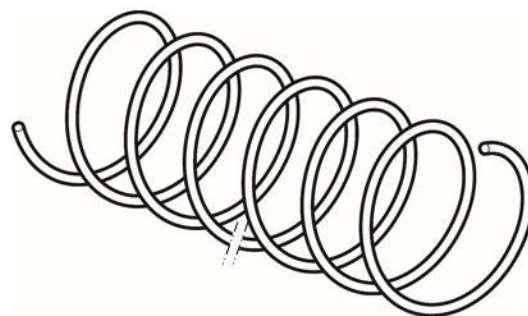
43: 2021-09-21

52: Class 07 24: Part F

71: HIEMSTRA, Rudolph Christian

54: A BARBEQUE ACCESSORY

57: The design is applied to a barbeque accessory. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the barbeque accessory, substantially as illustrated in the accompanying representation. The separation depicted by break lines indicates an indeterminate length and any portion between the break lines does not form part of the design and is disclaimed.



21: F2020/00104 22: 2020-01-10 23:

43: 2021-10-04

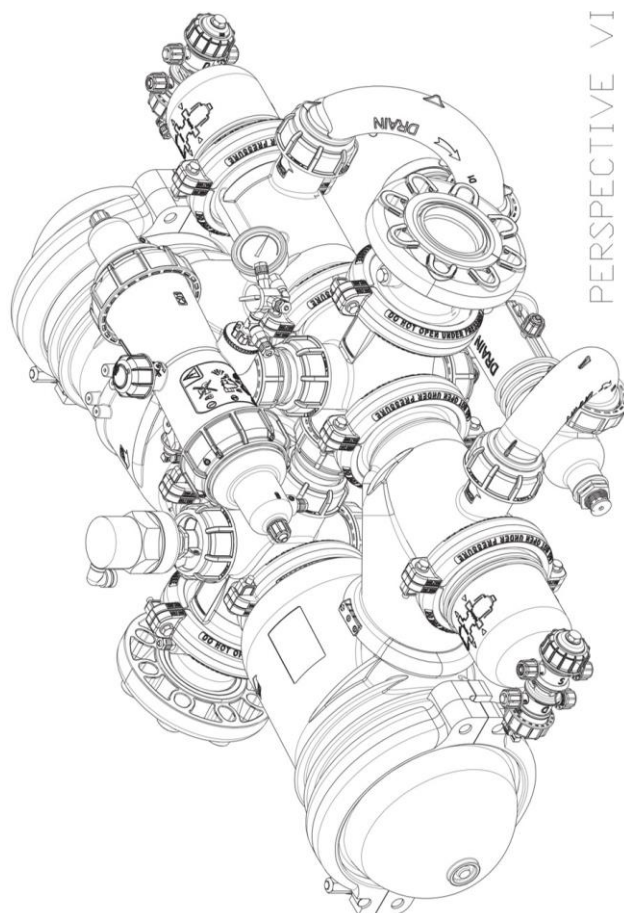
52: Class 23 24: Part F

71: AMIAD WATER SYSTEMS LTD

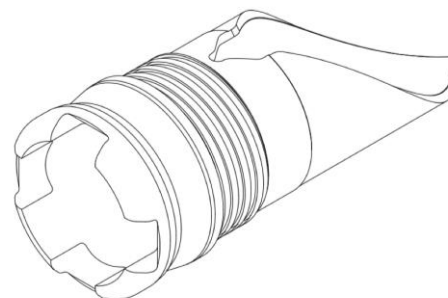
33: IL 31: 63909 32: 2019-07-10

54: FILTRATION SYSTEM

57: The design is applied to a filtration system. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of a filtration system, substantially as illustrated in the accompanying representation.



tubular body has a curved profile from the castellated edge to the screw threads. The drive sub is attachable to a drill string, and configured to receive a tool on the downhole end.



A front perspective view

21: F2020/00646 22: 2020-05-25 23:
43: 2021-09-21

52: Class 23 24: Part F

71: ROOTS SUSTAINABLE AGRICULTURAL
TECHNOLOGIES LTD.

33: IL 31: 64452 32: 2019-11-25

54: DEVICE FOR TEMPERATURE CONTROL IN ROOT ZONE

57: The design is applied to a device for temperature control in a root zone. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the device, substantially as illustrated in the accompanying representations. Contour lines are provided to indicate contours but do not form part of the design and are disclaimed.

21: F2020/00227 22: 2020-02-26 23:
43: 2021-10-04

52: Class 08 24: Part F

71: Reflex Instruments Asia Pacific Pty Ltd

33: AU 31: 201914984 32: 2019-08-30

54: DRILLING TOOLS

57: The design relates to drilling tools, specifically to a drive sub for a drilling assembly. The drive sub has a tubular body defining a central passage and two opposed ends. A first end is in the form of a downhole end, which comprises a castellated edge with a plurality of lugs separated from each other by a plurality of circumferentially spaced recesses. An opposed end defines a mule shoe edge having a rounded peak which smoothly curves in opposite directions about the tubular body leading to a socket, the socket and peak being diametrically opposed. The drive sub further includes a screw thread connection formation intermediate of its length. The

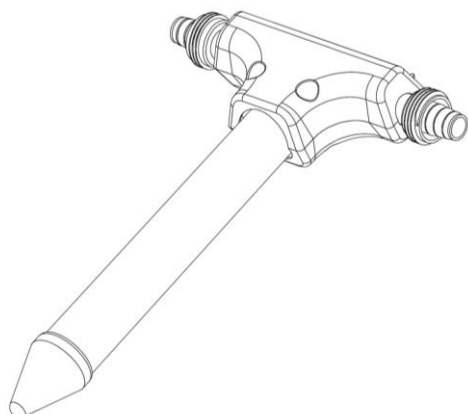


FIG. 1
PERSPECTIVE VIEW FROM THE
FRONT, BOTTOM AND LEFT HAND SIDE

21: F2020/01378 22: 2020-10-21 23:

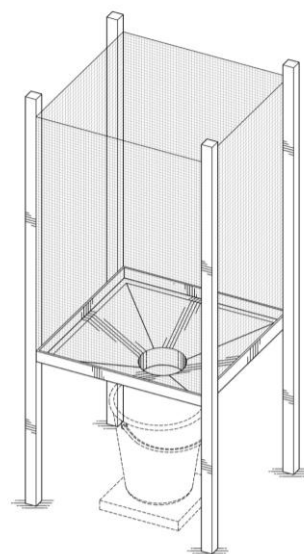
43: 2021-10-04

52: Class 23 24: Part F

71: SURISA, Surisa

54: WATER ACCUMULATION DEVICES

57: The design is for a water accumulation device, capable of harvesting dew and fog-droplets. The device includes four upright members that are spaced apart and forming a supporting structure with four opposing corners. A collecting surface is disposed within the supporting structure on a height that is elevated from the ground and in use capable of collecting dew. The collecting surface is shaped to resemble a funnel with an upright edge disposed on a peripheral edge. Furthermore, a netting material is placed in a vertical orientation between each of the opposing corners. The netting material is attached to the upright edge and extends upwards and attached to a top portion of each of the respective upright members. In use, the netting material is capable of collecting fog-droplets and transporting the fog-droplets downwards to the collecting surface.



Three-dimensional view, in use with hooks in curtain tape

21: F2020/01512 22: 2020-11-24 23:

43: 2021-08-04

52: Class 8 24: Part F

71: SGM MARKETING CC

54: A CUTTER WHEEL

57: The design is applied to a cutter wheel including cutter teeth that are cut right at an angle of 10 degrees and is shown in three-dimensional view in the drawing showing the overall appearance thereof.

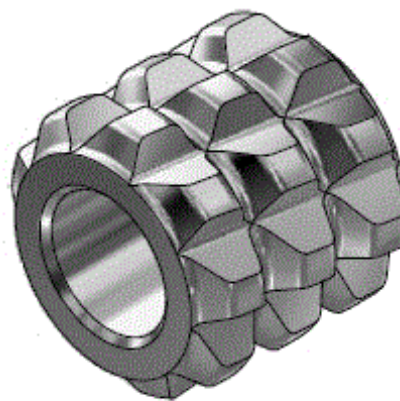


FIG 4

21: F2020/01654 22: 2020-12-21 23:

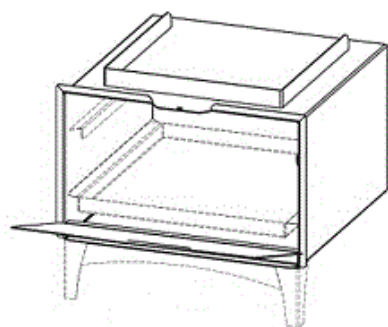
43: 2021-09-21

52: Class 7. 24: Part F

71: HARMSE, XANDRE EWOUT

54: Oven

57: The design relates to an oven. The features of the design are those of shape and/or configuration.



**TOP OPEN
PERSPECTIVE VIEW**

21: F2020/01707 22: 2020-12-23 23:

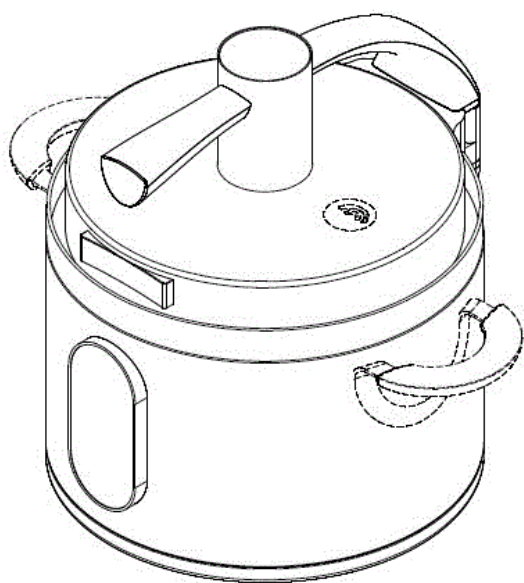
43: 2020-12-23

52: Class 7 24: Part F

71: ZHEUNG, Gordon

54: PORRIDGE COOKER

57: The design is applied to a porridge cooker. The features of the design for which protection is claimed include the shape and/or configuration of a porridge cooker substantially as shown in the accompanying representations.



Three-dimensional view

21: F2021/00070 22: 2021-02-02 23:

43: 2020-08-03

52: Class 12 24: Part F

71: Duratray Investment Pty Ltd.

33: AU 31: 202014210 32: 2020-08-03

54: HOPPERS

57: The design is for a hopper comprising a body with an upper canopy at a first end, the canopy extending to a downwardly inclined wall, to a lower payload area at a second end. The body includes a pair of opposing raised side walls at either side. The canopy includes a central square portion flanked by downwardly inclined quadrilateral portions having slanted walls at the first end. A central portion of the inclined wall includes a plurality of oval elements. The payload area is generally rectangular and includes a pair of short upstanding side walls. The second end of the payload area is convexly curved and includes a plurality of triangular shaped elements forming a flooring. The side walls at the second end are ribbed. A rear surface of the payload area includes three elongate members arranged in parallel, each including a plurality of raised rectangular elements separated by raised walls.

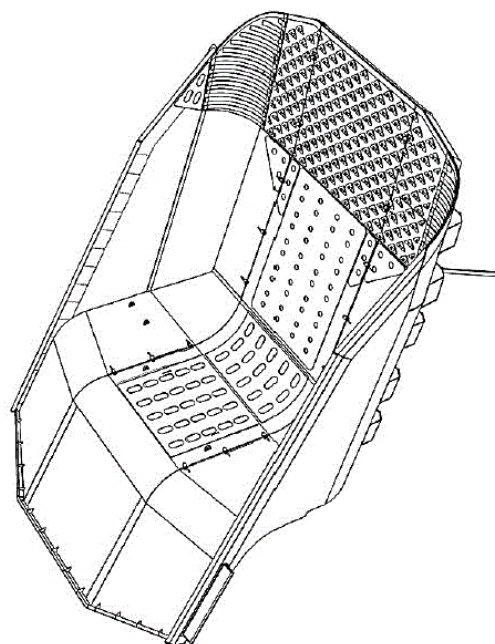


Figure 1
Three-dimensional view

21: F2021/00073 22: 2021-02-03 23:

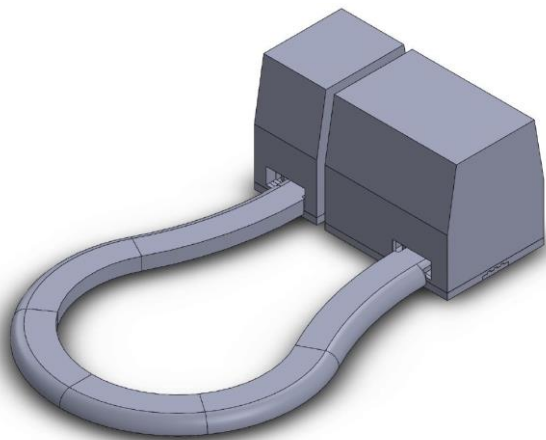
43: 2021-09-10

52: Class 23 24: Part F

71: THANDANI, Asithandile

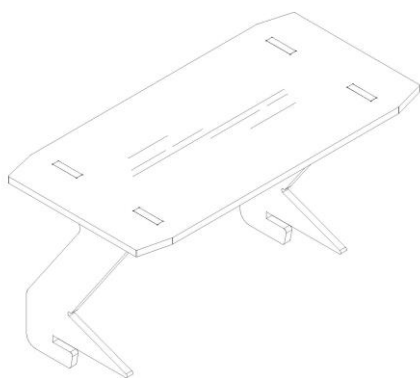
54: TOILET SEAT COVER DISPENSER

57: The design is for a toilet seat cover dispenser comprising a dispensing assembly and collection assembly alongside each other and a U-shaped seat that extends between the dispensing assembly and collection assembly.



21: F2021/00085 22: 2021-02-03 23:
43: 2020-08-03
52: Class 6 24: Part F
71: UNIVERSITY OF JOHANNESBURG
54: DESK

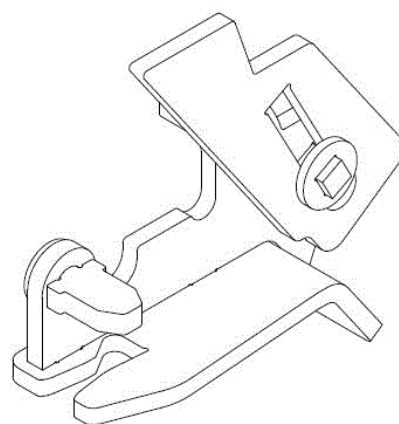
57: The design is applied to a desk. The features of the design for which protection is claimed include the shape and/or configuration of the desk substantially as shown in the accompanying representations.



Three-dimensional view from top

21: F2021/00094 22: 2021-02-04 23:
43: 2021-02-04
52: Class 25 24: Part F
71: WACO Africa (Pty) Ltd t/a FORMSCAFF
54: WALER CLAMP

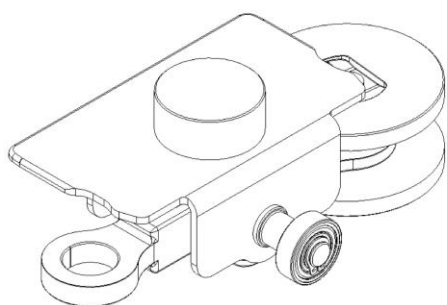
57: The design is applied to a waler clamp for clamping a waler to panels in a vertical formwork arrangement and to simultaneously clip the panels together. The features of the design for which protection is claimed include the shape and/or configuration of a waler clamp, substantially as illustrated in the accompanying representations. In particular, the waler clamp comprises an elongate base plate defining, at one end, a substantially U-shaped clamping plate portion that defines an elongate slot for accommodating, and clipping together, a pair of peripheral flanges of adjacent panels, in use. An elongate support plate extends perpendicular to the base plate and extends along the length of the base plate, the elongate support plate further including a post member carrying a rotatable locating pin that extends transverse to the post member; an intermediate support body, between the fixing end and the clamping end, for supporting a waler, in use; and a clamp support member for carrying an elongate waler clamping plate. The elongate waler clamping plate defines an elongate channel, so that the waler clamping plate is freely movable relative to the clamp support member.



Three-dimensional view from front

21: F2021/00109 22: 2021-02-09 23:
43: 2021-09-10
52: Class 12 24: Part F
71: Dale Holdings (Pty) Ltd
54: SUPPORT LINKS FOR CONVEYOR BELTS
57: The design is for a support link, connectable to a plurality of support links to form a chain for supporting a self-stacking spiral conveyor belt. The support link includes a carrier in the form of an inverted substantially U-shaped member, having a planar platform on which a conveyor belt is

supported and two downwardly extending side walls. The carrier includes a set of orthogonally arranged rolling elements below the planar platform and a guide element that extends transversely from one of the side walls, used as a guiding means. Furthermore, an interlink in the form of an elongated member with a transverse aperture on each end thereof, is mounted underneath the planar platform. In use, the interlinks of adjacent support links are connectable, creating a continuous loop. A drive interface, in the form of a cylindrical projection, extends upwardly from the planar platform to be driven by a drive motor.

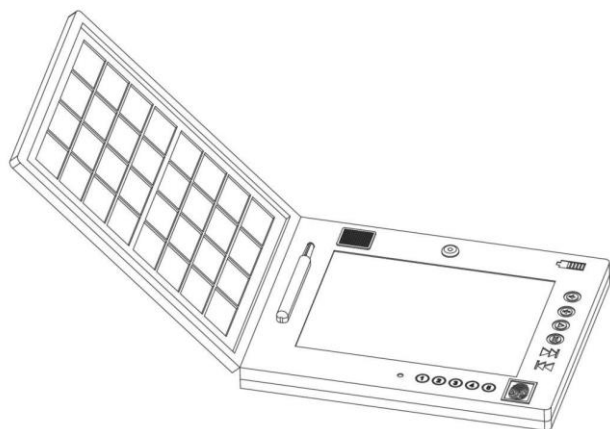


Three-dimensional top view

21: F2021/00159 22: 2021-02-17 23:
43: 2021-10-04
52: Class 14 24: Part F
71: DAYN AMADE INVENTIONS LTD
33: GB 31: 6101118 32: 2020-09-18

54: DIGITAL NOTEBOOK

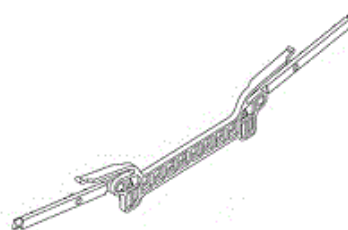
57: The design is applied to a digital notebook. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the digital notebook, substantially as illustrated in the accompanying representation.



21: F2021/00165 22: 2021-02-19 23:
43: 2021-09-10
52: Class 8. 24: Part F
71: BOBRITSKI, JAKOV

54: Latching Device

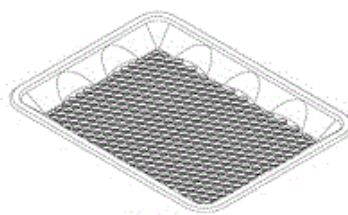
57: The design relates to a latching device. The features of the design are those of shape and/or configuration.

**FRONT PERSPECTIVE VIEW**

21: F2021/00170 22: 2021-02-22 23:
43: 2021-09-10
52: Class 9. 24: Part F
71: MPACT LIMITED

54: A Tray Base

57: The design relates to a base for a tray. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

**PERSPECTIVE VIEW**

21: F2021/00184 22: 2021-02-26 23:
43: 2020-08-28
52: Class 23 24: Part F
71: Hias How2O AS
33: NO 31: 20200831 32: 2020-08-28

54: WATER TREATMENT DEVICES

57: The design is for a water treatment device comprising a body with a honeycomb structure comprising a plurality of smaller hexagonal elements arranged in a larger hexagon forming the body. Each of the six sides of the body comprises a series of four of the smaller hexagonal elements. Top and rear surfaces of the body are planar.

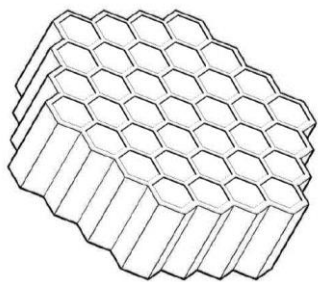


Figure 1
Enlarged three-dimensional view

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: 2021/00023. 22: 04/11/2021 43: 04/11/2021
24: 2021/02/15 to 2021/08/19; JOHANNESBURG
SOUTH AFRICA
25: 2021/08/20; NETFLIX
71: BONGIWE FELECITY SELANE
4 VAN GOGH SCEALES RD, LONEHILL, 2191,
South Africa
75: AYANDA HALIMANA4 VAN GOGH SCEALES
RD, LONEHILL, ZA, 2191, Phone: 0832607929,
Email: MARC@HAPPINESSEVERAFTER.CO.ZA;
76: BONGIWE FELICITY SELANE
77: THABANG MOLEYA
54: **HAPPINESS EVER AFTER**
78: KHANYI MBAU; RENATE STUURMAN
26: N/A
55: Specimen lodged/Not lodged.
56: Preview Requested/Not requested
57: Just as Zaza and Princess start slaying life, with
some Yoga by Zimkhitha; their worlds feels like it's in
balance until...Fakazile, Zaza's sister in-law shakes
her world when Zaza's late husband's estate is
wrapped up; Leo disrupts Princess's zen life with
Maxwell and Zimkhitha finds her balance with Yonda
- but he's not game... or is he? The friends find their
balance as they go through adulting together.

58: CO

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

The Trade Mark under application no: **2016/16951** was advertised in the October 2021 journal with an incorrect association which read as **2016/13547** and it has been re-advertised in the November 2021 journal and the new valid publication date will be **24/11/2021**.

PATENT CORRECTION NOTICES

The patent application number **2018/05528** was advertised in the June 2019 journal with an incorrect order of inventors' names and it should have appeared as follows however the publication date will remain **26/06/2019**.

21: 2018/05528. 22: 2018-08-17. 43: 2019-03-28

51: E21B

71: SINOPEC SOUTHWEST OIL AND GAS
COMPANY, CHINA PETROLEUM AND CHEMICAL
CORPORATION

72: **GAN, Zhenwei, QI, Bin, HOU, Zhimin, HU, Shunqu, LEI, Wei, CHEN, Chen, XIE, Zhi, WANG, Qiang, ZHAO, Wei, ZHOU, Yijun**

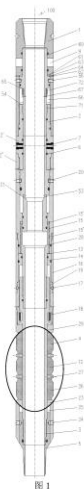
33: CN 31: 201610037438.6. 32: 2016-01-20

33: CN 31: 201610037471.9 32: 2016-01-20

**54: DEVICE FOR JET PACKING AND
FRACTURING AND TUBULAR COLUMN
COMPRISING SAME**

00: -

A device (100) for jet packing and fracturing and a tubular column (50) comprising the same. The device (100) comprises an upper connector (1), a jet nozzle sleeve (2), a central rod (3), a packer (4), a lower connector (5), a first inner cylinder (60) disposed in the upper connector (1), and a second inner cylinder (6) disposed in the jet nozzle sleeve (2). The upper connector (1) is provided with a fracturing hole (9), and the jet nozzle sleeve (2) is provided with a jet nozzle (7). In an initial state, the fracturing hole (9) is plugged by the first inner cylinder (60), and the jet nozzle (7) is plugged by the second inner cylinder (6). After an inner cavity of the second inner cylinder (6) is sealed, a pressure liquid is pumped into the device (100), the second inner cylinder (6) moves downwards to expose the jet nozzle (7) when the pressure reaches a first pressure, the packer (4) conducts packing, and perforation can be carried out at the moment. After perforation is completed, a pressure liquid is injected into an annular space (11), the first inner cylinder (60) moves downwards to expose the fracturing hole (9) when the pressure reaches a second pressure, and fracturing work can be carried out at the moment. By means of the device (100), the working efficiency can be improved, and the operation costs can be reduced.



The patent application number **2018/05529** was advertised in the April 2019 journal with an incorrect order of inventors' names and it should have appeared as follows however the publication date will remain **24/04/2019**.

21: 2018/05529. 22: 2018/08/17. 43: 2019/04/03

51: E21B

71: SINOPEC SOUTHWEST OIL AND GAS
COMPANY, CHINA PETROLEUM AND CHEMICAL
CORPORATION

72: **GAN, Zhenwei, QI, Bin, HOU, Zhimin, HU, Shunqu, ZHAO, Wei, XIE, Zhi, WANG, Qiang, LIU, Tao, PAN, Jian, PANG, Wenfeng**

33: CN 31: 201610036826.2 32: 2016-01-20

33: CN 31: 201610037242.7 32: 2016-01-20

33: CN 31: 201620056708.3 32: 2016-01-20

33: CN 31: 201610037576.4 32: 2016-01-20

54: TOOL FOR OPENING SLIDING SLEEVE

00: -

A tool for opening a sliding sleeve. The tool for opening a sliding sleeve comprises a fastening and hanging member (1), a ball seat (2) and a guide head (3) that are sequentially connected. The fastening and hanging member (1) comprises at least two elastic fastening claws (11) evenly distributed at interval on the circumferential direction and fastening and hanging portions (12) disposed on the peripheral surface of the elastic fastening claws (11). A first fluid channel (10) also runs through the fastening and hanging member (1). A second fluid channel (20) runs through the ball seat (2). A reception surface (21) used for receiving a sealed ball (22) is disposed in the second fluid channel (20). The second fluid channel (20) communicates with the first fluid channel (10). A third fluid channel (30) runs through the guide head (3). The third fluid channel (30) communicates with the second fluid channel (20). The tool for opening a sliding sleeve has at least one of the functions: pushing, salvage, push aid and cement paste wiping and sealing.

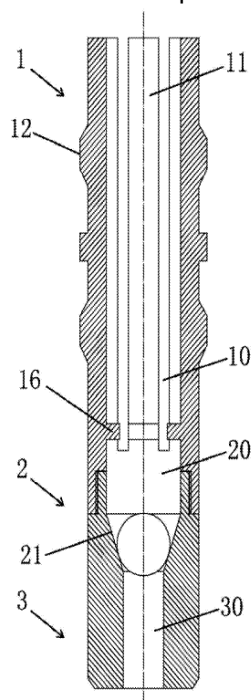


图 1

The patent application number **2018/05529** was advertised in the April 2019 journal with an incorrect order of inventors' names and it should have appeared as follows however the publication date will remain **24/04/2019**.

21: 2018/05529. 22: 2018/08/17. 43: 2019/04/03

51: E21B

71: SINOPEC SOUTHWEST OIL AND GAS
COMPANY, CHINA PETROLEUM AND CHEMICAL
CORPORATION

72: GAN, Zhenwei, QI, Bin, HU, Shunqu, HOU, Zhimin, LIN, Yongmao, LIU, Tao, CHEN, Chen, WANG, Lei,
HU, Dan, QIAN, Jiang

33: CN 31: 201610036843.6 32: 2016-01-20

33: CN 31: 201610037103.4 32: 2016-01-20

33: CN 31: 201610038915.0 32: 2016-01-20

33: CN 31: 201610037341.5 32: 2016-01-20

33: CN 31: 201610037797.1 32: 2016-01-20

33: CN 31: 201620054067.8 32: 2016-01-20

54: NOVEL SLIDING SLEEVE

00: -

A sliding sleeve comprises an upper connector (1), a lower connector (2), an outer cylinder (3), an inner cylinder (4), and a shear pin (5). The upper connector (1) and the lower connector (2) are respectively connected to two ends of the outer cylinder (3). The inner cylinder (4) is locked in the outer cylinder (3) by means of the shear pin (5). A flow guide hole (30) is formed in the outer cylinder (3), and the inner cylinder (4) can open or close the flow guide hole (30). At least two grooves (41) used for matching at least two corresponding toothshaped members are formed in the inner cylinder (4) along an axis direction. An erosion resistant ring (42) is embedded in each groove (41), and the inner diameter of the erosion resistant ring (42) is greater than or equal to the inner diameter of the inner cylinder (4).

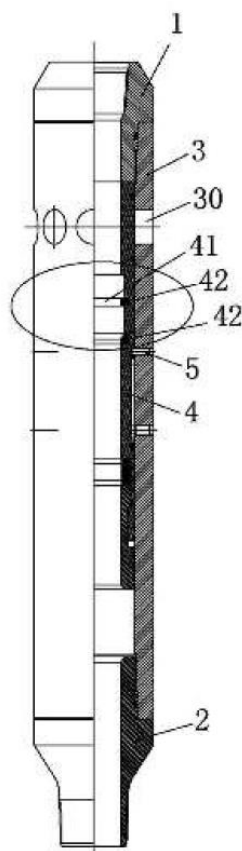


图 1

The patent application number **2014/03633** was advertised in the October 2021 journal with an incorrect applicant's name as **NIMBUS APOLLO, INC.** and it should have appeared as **Gilead Apollo, LLC** and the whole advertisement should have appeared as the one below however the publication date will remain **27/10/2021**.

21: 2014/03633. 22: 2014/05/19. 43: 2021/08/03

51: A61K

71: **Gilead Apollo, LLC**

72: HARRIMAN, GERALDINE C., HARWOOD, JAMES, GREENWOOD, JEREMY ROBERT, MASSE, CRAIG E., BHAT, SATHESH

33: US 31: 61/559,023 32: 2011-11-11 33: US 31: 61/615,092 32: 2012-03-23 33: US 31: 61/651,878 32: 2012-05-25 33: US 31: 61/675,513 32: 2012-07-25

54: ACC INHIBITORS AND USES THEREOF

00: -

The present invention provides compounds useful as inhibitors of Acetyl CoA Carboxylase (ACC), compositions thereof, and methods of using the same.

The patent application number **2020/03892** was advertised in the October 2021 journal with an incorrect applicant's name as **I-MAB Biopharma US Limited**. and it should have appeared as **I-Mab Biopharma (Hangzhou) Co., Ltd.** and the whole advertisement should have appeared as the one below however the publication date will remain **27/10/2021**.

21: 2020/03892. 22: 2020/06/24. 43: 2021/08/30

51: A61K; C07K; A61P

71: **I-Mab Biopharma (Hangzhou) Co., Ltd.**

72: CUI, Feifei, FANG, Lei, GUO, Bingshi, WANG, Zhengyi, ZANG, Jingwu

33: CN 31: PCT/CN2018/075477 32: 2018-02-06

54: ANTIBODIES TO T CELL IMMUNORECEPTOR WITH IG AND ITIM DOMAINS (TIGIT) AND USES THEREOF

00: -

The present disclosure provides antibodies and fragments thereof having specificity to a human T cell immunoreceptor with Ig and ITIM domains (TIGIT) protein. Methods of using the antibodies or fragments thereof for treating and diagnosing diseases such as cancer and viral infections are also provided.

DESIGNS CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for November 2021

Number of Advertised Patents: 610

Application Number	Patent Title	Filing Date
2015/02841	ANTI-ANDROGENS FOR THE TREATMENT OF NON-METASTATIC CASTRATE-RESISTANT PROSTATE CANCER	2015/04/24
2016/01156	METHOD FOR PRODUCING HYDROCARBON PRODUCTS	2016/02/19
2016/02296	PROTEIN-POLYMER-DRUG CONJUGATES	2016/04/06
2016/04262	A METHOD FOR OPERATING A BALL MILL AND A MILLING SYSTEM	2016/06/23
2016/07720	PHARMACEUTICALLY ACCEPTABLE SALTS OF PIRLINDOLE ENANTIOMERS FOR USE IN MEDICINE	2016/11/09
2017/01840	PROCESSES AND INTERMEDIATES IN THE PREPARATION OF C5AR ANTAGONISTS	2017/03/15
2017/03050	NON-HUMAN ANIMALS HAVING A HUMANIZED CLUSTER OF DIFFERENTIATION 47 GENE	2017/05/03
2017/04206	POLYURETHANES	2017/06/20
2017/04351	A SYSTEM AND METHOD OF CALCULATING A PAYLOAD WEIGHT	2017/06/27
2017/04352	A SYSTEM AND METHOD OF CALCULATING A PAYLOAD WEIGHT	2017/06/27
2017/04353	A SYSTEM AND METHOD OF ESTIMATING FATIGUE IN A LIFTING MEMBER	2017/06/27
2017/04354	A SYSTEM AND METHOD OF IDENTIFYING A PAYLOAD DESTINATION	2017/06/27
2017/04468	SECURING A TRANSACTION	2017/06/30
2017/06963	POLYCRYSTALLINE DIAMOND CUTTING ELEMENTS HAVING NON-CATALYST MATERIAL ADDITIONS	2017/10/13
2017/07807	METHOD FOR PROCESSING AN ORIGINAL GLOBAL STREAM INCLUDING AT LEAST ONE PHYSICAL LAYER TUNNEL ENCAPSULATING A TRANSPORT STREAM	2017/11/17
2017/08120	ANTIBODY CONSTRUCTS FOR FLT3 AND CD3	2017/11/29
2017/08555	NEW AMINOACID DERIVATIVES, A PROCESS FOR THEIR	2017/12/15

Application Number	Patent Title	Filing Date
	PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM	
2018/00159	SAILING VESSEL	2018/01/09
2018/01504	AIR CLEANER	2018/03/05
2018/01535	ROOT-PREFERENTIAL AND STRESS INDUCIBLE PROMOTER AND USES THEREOF	2018/03/06
2018/01725	TARPAULIN SUSPENSION DEVICE	2018/03/13
2018/02061	AN ARM ASSEMBLY FOR AN ELECTRIC FENCE	2018/03/28
2018/03434	MODULATORS OF CHEMOKINE RECEPTORS	2018/05/24
2018/03801	COMPOSITIONS AND METHODS FOR ASSESSING THE RISK OF CANCER OCCURRENCE	2018/06/07
2018/03824	RESIN ANCHORED ROCK BOLT WITH A LOCATING FORMATION AT A LEADING END	2018/06/08
2018/03920	HETEROPHASIC PROPYLENE COPOLYMER WITH LOW SHRINKAGE	2018/06/12
2018/04199	ELECTRICALLY-POWERED AEROSOL DELIVERY SYSTEM	2018/06/22
2018/04566	METHOD FOR THE PRODUCTION OF GYPSUM-BASED BOARDS AND STUCCO SLURRY COMPRISING NON-PREGELATINIZED MIGRATORY STARCH FOR USE THEREWITH	2018/07/09
2018/05005	COOKING APPARATUS	2018/07/25
2018/06739	CERVICAL DISC	2018/10/10
2018/07304	NON-AQUEOUS, NON-OIL BACILLUS AMYLOLIQUEFACIENS COMPOSITIONS	2018/10/31
2018/07718	DEVICE FOR REDUCING FAULT ARCS IN AN ELECTRIC DISTRIBUTION UNIT	2018/11/16
2019/00408	DECANTING DEVICE	2019/01/21
2019/00953	PROCESS FOR PREPARATION OF FOOD PRODUCT COMPRISING HYDROLYZED STARCH	2019/02/14
2019/01221	METHODS AND COMPOSITION FOR THE PREDICTION OF THE ACTIVITY OF ENZASTAURIN	2019/02/26
2019/01424	TLR7/8 ANTAGONISTS AND USES THEREOF	2019/03/07
2019/01622	CLOSED-HEAD DRUM WITH LINER, AND METHOD FOR PRODUCING THE SAME	2019/03/15
2019/01631	DETERMINING TEMPERATURE INSIDE A HIGH PRESSURE CELL BY	2019/03/15

Application Number	Patent Title	Filing Date
	EVALUATING SOLID SOLUTION COMPOSITION	
2019/01749	NEW ANTIMICROBIAL COMPOUNDS, THEIR USE FOR THE TREATMENT OF MAMMALIAN INFECTIONS AND A NEW METABOLIC MECHANISM	2019/03/20
2019/01975	AN AEROSOL DELIVERY DEVICE WITH REPLACEABLE WICK AND HEATER ASSEMBLY	2019/03/29
2019/01983	ORAL CARE COMPOSITIONS WITH INCREASED WHITENING EFFICACY	2019/03/29
2019/02084	SEED DELIVERY APPARATUS	2019/04/03
2019/02086	BENZO[b]THIOPHENE COMPOUNDS AS STING AGONISTS	2019/04/03
2019/02527	STABLE AQUEOUS CAPSAICIN INJECTABLE FORMULATIONS AND MEDICAL USES THEREOF	2019/04/23
2019/02825	MEASUREMENT SYSTEM AND METHOD OF AN INDUSTRIAL ROBOT	2019/05/06
2019/02829	ROLLER CUTTER UNIT FOR UNDERCUTTING MACHINE	2019/05/06
2019/02958	PORTABLE SIREN AND EMERGENCY CALL DEVICE, AND COMBINATION THEREOF	2019/05/10
2019/03148	"IDENTIFYING AN ENTITY"	2019/05/20
2019/03268	DETECTION SYSTEM	2017/10/27
2019/03337	AEROSOL SPRAY CONTAINING VIABLE BACTERIAL SPECIES	2019/05/27
2019/03371	PREVENTION AND TREATMENT OF BONE AND CARTILAGE DAMAGE OR DISEASE	2019/05/28
2019/03404	TRAIN WHEEL MEASUREMENT PROCESS, AND ASSOCIATED SYSTEM	2019/05/29
2019/03558	HUMAN IMMUNODEFICIENCY VIRUS NEUTRALIZING ANTIBODIES	2019/06/03
2019/03654	EFFICIENT AND SCALABLE SYNTHESIS OF NICOTINOYL RIBOSIDES AND REDUCED NICOTINOYL RIBOSIDES, MODIFIED DERIVATIVES THEREOF, PHOSPHORYLATED ANALOGS THEREOF, ADENYLYL DINUCLEOTIDE CONJUGATES THEREOF, AND NOVEL CRYSTALLINE FORMS THEREOF	2017/11/10
2019/03728	CRICKET BOWLING AID	2019/06/11
2019/03743	SINGLE LIGHT SOURCE, TWO-OPTICAL CHANNEL SEQUENCING	2019/06/11

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2019/03849	METHODS FOR TREATING MULTIPLE OSTEochondroma (MO)	2017/11/16
2019/03925	RAPID BOTANICAL OIL DISTILLATION DEVICE UTILIZING MICROWAVE AGENT	2019/06/18
2019/04118	HIGH-EFFICIENCY SELF-VIBRATING AIR-LIFT PUMP	2019/06/25
2019/04420	SECURITY SYSTEM WITH CLOUD¿BASED CONTROLLER	2019/07/05
2019/04532	REAGENTS FOR TREATMENT OF OCULOpharyngeal Muscular DYSTrophy (OPMD) AND USE THEREOF	2019/07/10
2019/04577	VIRULENCE ATTENUATED BACTERIA BASED PROTEIN DELIVERY	2019/07/12
2019/04816	ENTERAL FEEDING DEVICES AND RELATED METHODS OF USE	2016/10/13
2019/04817	RESCUE VEHICLE FOR URBAN FLOOD	2019/07/23
2019/05159	METHODS OF TREATING INFLUENZA	2019/08/05
2019/05315	METHODS FOR INCREASING BLOOD PLASMA 2'-DEOXYURIDINE (dUrd) AND THYMIDYLATE SYNTHASE INHIBITION	2019/08/12
2019/05526	WEAR LINER ASSEMBLY AND ASSOCIATED METHOD OF USE	2017/12/05
2019/05917	PROCESS FOR RECOVERING AMMONIA FROM VANADIUM PREPARATION FOR AMMONIUM PREPARATION AND RECYCLING WASTEWATER	2019/09/09
2019/05926	METHOD FOR PRINTING A TRANSPARENT OR TRANSLUCENT OBJECT AND OBJECT OBTAINED	2019/09/09
2019/06149	PLANT ORGAN SEPARATION METHOD AND SYSTEM	2019/09/18
2019/06303	ROCK DRILLING MACHINE, RIG AND METHOD FOR REINFORCING ROCK SURFACES	2019/09/25
2019/06386	MANUFACTURING METHOD FOR EXHAUST GAS PURIFICATION DEVICE	2019/09/27
2019/06958	ELECTROMAGNETIC BRAKE SYSTEM AND METHOD OF CONTROLLING AN ELECTROMAGNETIC BRAKE SYSTEM	2019/10/22
2019/07169	COSMETIC COMPOSITIONS FOR	2019/10/30

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	SKIN HEALTH AND METHODS OF USING SAME	
2019/07222	MIXED OXIDE WITH ENHANCED RESISTANCE AND NO X STORAGE CAPACITY	2018/05/08
2019/07567	LESS-LETHAL MUNITIONS	2019/11/15
2019/07712	SUBSTITUTED INDOLINE DERIVATIVES AS DENGUE VIRAL REPLICATION INHIBITORS	2019/11/21
2019/07719	METHOD OF OPERATING A SINTER PLANT	2019/11/21
2019/08018	METHOD FOR VERIFYING THE DISPLAY OF A CONTENT ITEM BY A DIGITAL DISPLAY DEVICE, AND DIGITAL DISPLAY SYSTEM	2019/12/03
2019/08198	PHARMACEUTICAL FORMULATIONS OF N-(2-(2-(DIMETHYLAMINO)ETHOXY)-4-METHOXY-5-((4-(1-METHYL-1H-INDOL-3-YL)PYRIMIDIN-2-YL)AMINO)PHENYL)ACRYLAMIDE AND SALTS THEREOF	2019/12/10
2019/08205	METHODS OF FORMING SUPPORTING SUBSTRATES FOR CUTTING ELEMENTS, AND RELATED CUTTING ELEMENTS, METHODS OF FORMING CUTTING ELEMENTS, AND EARTH-BORING TOOLS	2019/12/10
2019/08499	TREATMENT OF HEPATOCELLULAR CARCINOMA CHARACTERIZED BY HEPATITIS B VIRUS INFECTION	2018/06/21
2019/08574	USE OF GLUTAMINE SYNTHETASE FOR TREATING HYPERAMMONEMIA	2019/12/23
2020/00053	USE OF EDARAVONE IN ORAL TREATMENT OF OXIDATIVE-STRESS MEDIATED NEURODEGENERATIVE DISORDERS	2020/01/03
2020/00108	AMINOPYRIMIDINE COMPOUND, PREPARATION METHOD THEREFOR AND USE THEREOF	2020/01/08
2020/00166	A METHOD OF MONITORING USE OF UTILITIES AND RAISING AN ALERT, AND A UTILITY MONITORING DEVICE	2020/01/10
2020/00257	COLLAPSIBLE TOGGLE PLATE FOR A JAW CRUSHER	2020/01/15
2020/00274	COMPOSITIONS COMPRISING AMINO ACIDS FOR USE IN THE TREATMENT OF MITOCHONDRIAL DYSFUNCTION-RELATED	2020/01/15

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	DISEASES	
2020/00324	A toilet installation	2020/01/17
2020/00333	INSTALLATION FOR THE PRODUCTION OF MINERAL WOOL AND DEVICE FOR SPRAYING A SIZING COMPOSITION, FORMING PART OF SUCH AN INSTALLATION	2020/01/17
2020/00337	METHOD FOR THE PRODUCTION OF MINERAL WOOL	2020/01/17
2020/00361	VERIFICATION OF ACCREDITATION	2020/01/20
2020/00385	METHOD FOR CONTROLLING POWER RAMPS WITH PREDICTION IN INTERMITTENT POWER GENERATION PLANTS	2017/06/29
2020/00442	LYSOPHOSPHATIDIC ACID RECEPTOR 1 (LPAR1) INHIBITOR COMPOUNDS	2020/01/22
2020/00643	METHOD AND DEVICE FOR BENDING PANES	2020/01/30
2020/00665	SHUT-OFF DEVICE COMPRISING A SEALING DEVICE	2020/01/31
2020/00747	METHOD FOR RECOVERING PHOSPHORIC ACID FROM FERMENTATION LIQUOR OR FERMENTATION WASTE LIQUOR, AND REUSING SAME	2020/02/05
2020/00781	VALVES	2020/02/06
2020/00800	AN ELECTRIC GENERATOR WITH SECONDARY COILS	2020/02/07
2020/00858	A SENSOR SYSTEM	2020/02/10
2020/00915	PROCESS AND FACILITY FOR PRODUCING PROPYLENE BY COMBINING PROPANE HYDROGENATION AND A STEAM CRACKING METHOD WITH PRE-SEPARATION STEPS IN THE TWO METHODS FOR PARTIALLY REMOVING HYDROGEN AND METHANE	2020/02/12
2020/00916	PROCESS AND FACILITY FOR PRODUCING PROPYLENE BY COMBINING PROPANE DEHYDROGENATION AND A STEAM CRACKING METHOD WITH PROPANE RECIRCULATION INTO THE STEAM CRACKING METHOD	2020/02/12
2020/00924	FLUID PIPELINE POTENTIAL ENERGY RELEASE ELECTRICITY GENERATOR	2020/02/13
2020/00956	A DISPENSER ASSEMBLY	2020/02/14
2020/00971	USE OF A Q&P STEEL FOR PRODUCING A SHAPED	2020/02/14

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	COMPONENT FOR HIGH-WEAR APPLICATIONS	
2020/00987	FLUID PURIFICATION	2020/02/17
2020/01052	ELECTRICAL CONNECTOR	2020/02/19
2020/01102	A METHOD AND SYSTEM FOR GENERATING A QUOTATION	2020/02/21
2020/01131	A COGNITIVE LOAN AUTOMATION SYSTEM AND METHOD THEREOF	2020/02/24
2020/01135	A LIGHTING CONTROL CIRCUIT, LIGHTING INSTALLATION AND METHOD	2020/02/24
2020/01164	HIGH CONTENT PCBN COMPACT INCLUDING W-RE BINDER	2020/02/25
2020/01213	CONTAINER WITH A CODE ENCODING A SEQUENCE OF FOODSTUFF OR BEVERAGE PREPARATION OPERATIONS	2020/02/26
2020/01375	EMERGENCY VOICE SERVICE SUPPORT INDICATIONS	2020/03/04
2020/01385	COOLING CABINET AND METHOD FOR OPERATING THE COOLING CABINET	2020/03/04
2020/01524	A LADDER	2020/03/11
2020/01545	BIODEGRADABLE PACKAGING, METHOD FOR MANUFACTURING SAME AND USES THEREOF	2020/03/11
2020/01580	CONVEYOR FIRE SUPPRESSION SYSTEM	2020/03/13
2020/01583	A PEST REPELLENT AND/OR PESTICIDAL DEVICE	2020/03/13
2020/01627	RIGIDIFYING ELEMENT FOR A DOOR FRAME	2020/03/16
2020/01670	METHODS OF CONTROLLING PESTS USING TERPENDOLES	2020/03/17
2020/01673	BIODEGRADABLE SEGMENT OF A SMOKING PRODUCT	2020/03/17
2020/01725	URINARY CATHETER	2020/03/18
2020/01742	METHODS AND APPARATUSES FOR COMMUNICATIONS BASED ON WIRELESS DEVICE CAPABILITIES	2020/03/19
2020/01782	ENRICHED ALCOHOLIC BEVERAGES	2020/03/20
2020/01804	CENTRIFUGAL IMPACT TRANSMISSION	2020/03/23
2020/01876	ZIEGLER-NATTA CATALYZED POLYISOPRENE ARTICLES	2020/03/24
2020/01882	STRIKING TOOL FOR PROCESSING WORKPIECES	2020/03/24
2020/01904	CRYSTAL	2020/03/24
2020/01917	DECOUPLED MULTI-TROPHIC PRODUCTION FACILITY WITH BIO REACTOR UNIT	2020/03/24

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2020/01991	HUMANIZED MONOCLONAL ANTIBODIES THAT TARGET VE-PTP (HPTP- α 223;)	2020/05/04
2020/02000	IMIDAZOLONYL QUINOLINES AND USE THEREOF AS ATM KINASE INHIBITORS	2020/05/04
2020/02001	APPARATUS FOR DETERMINING THE WEIGHT OF AN OBJECT	2020/05/04
2020/02023	LEAK RESISTANT VAPORIZER DEVICE	2017/09/22
2020/02024	WIRELESS GUEST ENGAGEMENT SYSTEM	2017/05/17
2020/02036	ACTIVE POLYSTYRENE FILM	2020/05/04
2020/02042	METHODS, SYSTEMS, AND MEDIA FOR DETECTING SPOOFING IN MOBILE AUTHENTICATION	2020/05/04
2020/02092	LIGNIN-BASED BIO-ASPHALT	2020/05/04
2020/02121	FILTER ASSEMBLY	2020/05/04
2020/02122	PROCESS FOR PREPARING DIMETHYLAMINOALKYL (METH)ACRYLATES	2020/05/04
2020/02132	METHODS, DEVICES AND COMPUTER READABLE MEDIUMS FOR A MODULATION OF DOWNLINK TRANSMISSION	2020/05/04
2020/02195	HIGH-VOLTAGE POWER SUPPLY SYSTEM	2020/05/04
2020/02206	GENETIC REGULATION OF IMMUNORESPONSE BY CHROMOSOME INTERACTIONS	2020/05/04
2020/02212	MORTAR COMPOSITION BASED ON SLAG ACTIVATED BY A BY-PRODUCT	2020/05/04
2020/02219	SCREENING SYSTEM WITH VIBRATION-NODE-ARRANGED VIBRATION SYSTEMS	2020/05/04
2020/02275	ENTITY, NETWORK, AND USER EQUIPMENT FOR A V2X SERVICE AS WELL AS V2X APPLICATION	2020/05/04
2020/02286	THERMOPLASTIC RESIN COMPOSITION AND FORMED ARTICLE FORMED BY USING THERMOPLASTIC RESIN COMPOSITION	2018/09/19
2020/02289	ENERGY-EFFICIENT SYSTEMS INCLUDING VAPOR COMPRESSION FOR BIOFUEL OR BIOCHEMICAL PLANTS	2017/09/22
2020/02290	SYSTEM FOR IN-LINE MEASUREMENT OF MILL LINER WEAR AND MILL BOLT TENSION BY MEANS OF AN ECHOGRAPHIC	2018/09/06

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	SENSOR INSERTED INTO THE THREADED END OF BOLTS	
2020/02291	METHOD AND APPARATUS FOR DETERMINING THIN INTERLAYERS	2018/09/21
2020/02293	METHOD AND DEVICE OF AUTONOMOUS NAVIGATION	2018/08/20
2020/02294	A CONDITIONING SHAMPOO COMPOSITION	2018/08/30
2020/02297	BAYER MATRIX IMAGE SENSOR	2018/09/21
2020/02318	USER TERMINAL AND RADIO COMMUNICATION METHOD	2017/09/29
2020/02320	SKIRT SYSTEM FOR A CONVEYOR	2018/08/28
2020/02321	TARGET TRACKING DEVICE COMPRISING A PHOTODETECTOR WITH QUADRANTS	2018/09/19
2020/02323	SYSTEM FOR IDENTIFICATION OF THE PAIRS OF PORTS AND OF THE RESPECTIVE PATCH CORDS IN PATCH PANELS OF TELECOMMUNICATION NETWORKS	2018/10/10
2020/02324	FUNGICIDE COMPOSITION AND METHOD FOR CONTROLLING DISEASE OF CROP	2018/08/31
2020/02326	BASE STATION APPARATUS, TERMINAL APPARATUS, COMMUNICATION METHOD, AND INTEGRATED CIRCUIT	2018/09/10
2020/02332	PERSPIRATION SHIELD	2018/09/20
2020/02333	AIR-COOLED CONDENSER SYSTEM	2018/09/26
2020/02335	HETEROCYCLIC COMPOUNDS AS PAD INHIBITORS	2018/09/20
2020/02336	ANTI-STATIC, FOLDING CONTAINER FOR BLASTING OPERATIONS, WHICH CAN BE PARTIALLY COMPRESSED, AND ASSOCIATED ACCESSORIES	2018/09/21
2020/02337	WIRELESS COMMUNICATION METHOD, NETWORK DEVICE AND TERMINAL DEVICE	2017/09/08
2020/02341	METHOD FOR CONTROLLING AEROSOL PRODUCTION DURING ABSORPTION IN AMMONIA DESULFURIZATION	2018/07/24
2020/02359	CODING METHOD AND CODING APPARATUS FOR POLAR CODE	2020/05/04
2020/02369	SEISMIC YIELDING CONNECTION	2020/05/04
2020/02379	METHOD FOR THE PREPARATION OF CHIRAL ALPHA HALOALKANOIC ACIDS	2020/05/04
2020/02418	URETHRAL STENOSIS TREATMENT AGENT AND URETHRAL STENOSIS TREATMENT METHOD	2020/05/04

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2020/02439	SELECTIVE FIRE FIREARM SYSTEMS AND METHODS	2017/09/20
2020/02451	PROCESS METHOD FOR PRODUCING SODIUM SULFITE PRODUCT	2017/12/29
2020/02452	ANTIMICROBIAL BOTTLE WITH ANTIMICROBIAL SEAL	2018/10/09
2020/02454	METHOD FOR PRODUCTION OF SULFUR AND SULFURIC ACID	2018/11/28
2020/02455	PROCESS FOR THE RECOVERY OF METALS FROM COBALT-BEARING MATERIALS	2018/10/22
2020/02482	ESTERQUATS FOR THE FLOTATION OF NON-SULFIDIC MINERALS AND ORES, AND METHOD	2020/05/06
2020/02487	EDIFICE SEALING WEB, AND PROCESS FOR MANUFACTURING SAME	2018/10/19
2020/02488	SHEET DRYING METHOD AND ARRANGEMENT	2018/11/26
2020/02489	ACKNOWLEDGEMENT SIGNALING FOR RADIO ACCESS NETWORKS	2017/11/17
2020/02490	PROCESS AND DEVICE FOR PREPARING A SOLID DISPERSION	2018/11/29
2020/02492	DELAYED RELEASE DEFERIPRONE TABLETS AND METHODS OF USING THE SAME	2018/10/25
2020/02494	INTEGRATED BLOOD TEST DEVICE	2018/10/12
2020/02496	TIMING ADVANCE OFFSET FOR UPLINK-DOWNLINK SWITCHING IN NEW RADIO	2018/04/24
2020/02497	ANTIMICROBIAL ANTIPERSPIRANT COMPOSITIONS	2018/11/01
2020/02510	MELATONIN MINI-TABLETS AND METHOD OF MANUFACTURING THE SAME	2020/05/07
2020/02511	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR INCREASING EGG PRODUCTION OF POULTRY, PREPARATION METHOD AND USE THEREOF	2020/05/07
2020/02528	TRANEXAMIC ACID SPRAY FOR KNEE ARTHROPLASTY	2020/05/07
2020/02536	LINK ADAPTION IN BEAM-FORMING RADIO ACCESS NETWORKS	2017/10/30
2020/02538	A MONITORING DEVICE	2018/11/08
2020/02539	SUBMICRONIC EMULSION	2018/12/21
2020/02541	WIRELESS ELECTRONIC DETONATOR	2018/10/04
2020/02543	PROTEIN ENGINEERED EXTRACELLULAR VESICLES	2018/11/13
2020/02544	REPORT NSA/SA NR INDICATOR	2018/10/10

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2020/02545	TRANSMITTER, NETWORK NODE, METHOD AND COMPUTER PROGRAM FOR TRANSMITTING BINARY INFORMATION	2018/09/26
2020/02547	SOIL RELEASE POLYMERS AND LAUNDRY DETERGENT COMPOSITIONS CONTAINING THEM	2018/11/15
2020/02548	DETERGENT COMPOSITION COMPRISING PROTEASE	2018/10/31
2020/02549	INTRAVENOUS INFUSION DOSAGE FORM FOR PEMETREXED	2020/05/07
2020/02561	METHOD FOR QOS CAPABILITY NEGOTIATION BETWEEN A USER EQUIPMENT AND A SESSION MANAGEMENT FUNCTION IN A 5G SYSTEM	2020/05/08
2020/02582	METHOD FOR DETECTING AMBIENT LIGHT INTENSITY, STORAGE MEDIUM AND ELECTRONIC DEVICE	2018/09/28
2020/02583	DISPLAY SCREEN COMPONENT AND ELECTRONIC DEVICE	2018/10/18
2020/02586	TAG FOR A TEABAG	2018/10/22
2020/02587	MULTIPART HOUSING FOR CONSUMPTION METERS, AND A SECURING DEVICE FOR MULTIPART HOUSINGS	2018/10/02
2020/02589	DISPLAY SCREEN AND ELECTRONIC DEVICE	2018/10/18
2020/02591	DISPLAY SCREEN COMPONENT AND ELECTRONIC DEVICE	2018/10/18
2020/02633	AUTOGENOUS FISHING APPARATUS AND METHOD OF USING SAME	2020/05/12
2020/02635	METHODS OF TREATING OR PREVENTING CHOLESTEROL RELATED DISORDERS	2020/05/12
2020/02654	SINGLE-SERVE CAPSULE	2018/10/15
2020/02657	DEVICE FOR USE IN THE TREATMENT OF HEMORRHOIDS	2018/10/12
2020/02660	USER TERMINAL AND RADIO COMMUNICATION METHOD	2017/10/23
2020/02661	MAJOR HISTOCOMPATIBILITY COMPLEX-BASED CHIMERIC RECEPTORS AND USES THEREOF FOR TREATING AUTOIMMUNE DISEASES	2018/11/10
2020/02662	USER TERMINAL AND RADIO COMMUNICATION METHOD	2017/10/23
2020/02672	HYDRAULIC AND CONTROL SYSTEM FOR RESIN INJECTION	2020/05/12

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2020/02677	AQUEOUS COMPOSITIONS COMPRISING BILASTINE AND MOMETASONE	2018/10/15
2020/02679	PLANT AND METHOD FOR TREATING URBAN WASTE WATER	2018/11/16
2020/02682	SHAPED, COMPOSITE SAVOURY CONCENTRATE COMPRISING GEL PIECES	2018/09/28
2020/02684	METHODS FOR DEFINING A NETWORK SERVICE DESCRIPTOR (NSD) FOR A NETWORK SERVICE (NS), AND NETWORK FUNCTIONS VIRTUALIZATION (NFV) ORCHESTRATOR (NFVO) USING SAID NSD	2018/10/23
2020/02687	ELECTRICAL SWITCHING APPARATUS COMPRISING AN IMPROVED ARC-QUENCHING DEVICE	2018/07/31
2020/02689	LIGAND-DRUG-CONJUGATES AS SUBSTRATES FOR SELECTIVE CLEAVAGE BY THE EXOPEPTIDASE ACTIVITY OF CATHEPSIN B	2020/05/12
2020/02728	BOTTOM PLATE ASSEMBLY COMPRISING A BAYONET FREE COLLECTOR NOZZLE	2018/11/09
2020/02735	HAIR CARE COMPOSITION	2018/11/05
2020/02736	MODULAR HOUSING SYSTEM	2018/10/18
2020/02771	PHOTOVOLTAIC POWER STATION	2018/05/31
2020/02773	THREE-STAGE HEAT EXCHANGER FOR AN AIR-COOLED CONDENSER	2018/11/02
2020/02776	CONTROLLED ENERGY STORAGE BALANCE TECHNOLOGY	2018/05/31
2020/02782	NOVEL SCAFFOLDED HIV-1 VACCINE IMMUNOGENS	2018/10/31
2020/02783	A SYSTEM FOR RECOGNIZING CONTAINERS TO BE FILLED WITH AND/OR EMPTIED OF A GIVEN TYPE OF PRODUCT	2018/10/24
2020/02784	PROCESS TO REDUCE HEAVIES FORMATION IN A SOLUTION COMPRISING ALDEHYDE COMPOUNDS FORMED DURING A HYDROFORMYLATION PROCESS	2018/10/03
2020/02785	GRILLING DEVICE WITH PRESSURISED AIR SUPPLY	2020/05/14
2020/02804	SURGE BIN CONFIGURATION	2020/05/15
2020/02807	RELEASABLE FASTENER	2020/05/15
2020/02819	VERTICAL GROWING SYSTEM	2020/05/15
2020/02820	TOMATO PLANTS WITH IMPROVED DISEASE RESISTANCE	2020/05/15
2020/02833	ACTIVE COMPOUND	2020/05/15

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	COMBINATIONS HAVING INSECTICIDAL/ACARICIDAL PROPERTIES	
2020/02835	ACTIVE COMPOUND COMBINATIONS HAVING INSECTICIDAL/ACARICIDAL PROPERTIES	2020/05/15
2020/02836	PROCESS FOR THE PREPARATION OF ENANTIOMERICALLY AND DIASTEREOMERICALLY ENRICHED CYCLOBUTANE AMINES AND AMIDES	2020/05/15
2020/02839	PAPER SHEET ACCUMULATION DEVICE	2018/10/12
2020/02842	METAL ORGANIC FRAMEWORK BASED WATER CAPTURE APPARATUS	2019/08/16
2020/02844	SUCKING PARTICLE FOR HEAT-NOT-BURN CIGARETTE AND MANUFACTURING METHOD	2018/09/03
2020/02847	VARIABLE COHERENCE ADAPTIVE ANTENNA ARRAY	2018/11/14
2020/02853	HYBRID CATALYST FOR SELECTIVE AND STABLE OLEFIN PRODUCTION	2018/10/11
2020/02890	PROCESSES FOR RECOVERY OF RHODIUM FROM A HYDROFORMYLATION PROCESS	2018/11/02
2020/02891	PROCESS	2018/01/18
2020/02893	METHOD AND DEVICE FOR MEASURING DIMENSIONS BY X-RAYS, ON EMPTY GLASS CONTAINERS RUNNING IN A LINE	2018/10/29
2020/02894	METHOD AND FACILITY FOR THE IN-LINE DIMENSIONAL CONTROL OF MANUFACTURED OBJECTS	2018/10/29
2020/02895	EMERGENCY LOCATION INFORMER SYSTEM	2018/10/18
2020/02896	ANNULAR MANIFOLD FOR AN EXTRUSION HEAD FOR PRODUCING A TUBULAR MOULDING FROM A THERMOPLASTIC MATERIAL	2018/11/05
2020/02924	PERSONAL CLEANSING COMPOSITIONS	2018/12/14
2020/02925	METHOD OF TOMOGRAPHIC RADIOGRAPHY	2020/05/19
2020/02935	METHOD OF CONSTRUCTING A SUSPENDED SLAB	2020/05/20
2020/02950	NON-ROTATIONALLY SYMMETRICAL SPARK GAP, IN PARTICULAR HORN SPARK GAP	2019/04/09

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	WITH DEION CHAMBER	
2020/02952	TECHNIQUE FOR CONFIGURING A PHASE TRACKING REFERENCE SIGNAL	2018/11/15
2020/02953	ENERGY UTILIZATION POINT TRACKER INVERTER	2018/12/07
2020/02989	ANTI-TIGIT ANTIBODIES AND THEIR USE AS THERAPEUTICS AND DIAGNOSTICS	2020/05/21
2020/02990	AN AEROSOL-GENERATING DEVICE COMPRISING A COVER ELEMENT MECHANISM	2020/05/21
2020/03002	STORAGE STABLE MIXTURES	2020/05/21
2020/03004	SELECTION OF TIME-DOMAIN RESOURCE ALLOCATION TABLES	2018/11/16
2020/03005	METHODS AND APPARATUSES FOR DOWNLINK TRACKING REFERENCE SIGNAL CONFIGURATION	2018/11/16
2020/03020	VESSEL MOORING DEVICE AND INTELLIGENT VESSEL MOORING SYSTEM AND METHOD	2020/05/22
2020/03021	ELECTRONIC SMOKING ARTICLE WITH ALTERNATIVE AIR FLOW PATHS	2014/07/22
2020/03026	MAGNETOHYDRODYNAMIC ELECTRIC POWER GENERATOR	2020/05/22
2020/03038	CULTIVATION ARRANGEMENT	2018/11/01
2020/03039	NOVEL BRADYKININ B2 RECEPTOR ANTAGONISTS	2018/11/23
2020/03041	MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE	2018/11/09
2020/03044	SYSTEM AND METHOD FOR VERIFICATION OF RELIABILITY AND VALIDITY OF CROWD SOURCING USERS	2018/11/03
2020/03069	METHODS FOR TREATING GAUCHER DISEASE	2020/05/25
2020/03092	NEW CATECHOLAMINE PRODRUGS FOR USE IN THE TREATMENT OF PARKINSON'S DISEASE	2018/11/23
2020/03094	METHOD, ARRANGEMENT AND PRODUCTION LINE FOR MANUFACTURING A PARABOLIC TROUGH SOLAR COLLECTOR	2018/11/29
2020/03098	TOPICAL COMPOSITION COMPRISING ANTIMICROBIAL LIPID	2018/11/15
2020/03102	MULTINUCLEAR COMPLEXES AND THEIR PREPARATION	2020/05/26
2020/03104	FIXING MEANS FOR FIXING A WEAR ELEMENT ON THE FRONT EDGE OF A SUPPORT	2018/12/07

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2020/03105	METHOD AND APPARATUS FOR UPDATING NEIGHBORING BASE STATION RELATIONS	2018/03/09
2020/03106	MEASUREMENT REPORTING CONFIGURATION FOR AIDING THE SORTING OF BEAM/CELL LEVEL MEASUREMENTS	2018/11/27
2020/03111	SYSTEM FORMING A TWO DEGREES OF FREEDOM ACTUATOR, FOR EXAMPLE FOR VARYING THE PITCH ANGLE OF THE BLADES OF A PROPELLER DURING ROTATION	2018/11/14
2020/03115	COOLING METHOD FOR REACTOR MOLTEN CORE MELT AND COOLING CONTROL SYSTEM FOR REACTOR MOLTEN CORE	2020/05/26
2020/03117	DEVICE FOR CONFINING NUCLEAR REACTOR CORE MELT	2020/05/26
2020/03120	RUBBER TRACK WHEEL PATH REINFORCEMENT	2020/05/26
2020/03122	ROCK CORE HOLDER AND ROCK CORE TESTING DEVICE	2020/05/26
2020/03141	METHOD FOR DIRECTLY PREPARING P-XYLENE FROM SYNTHETIC GAS AND AROMATIC HYDROCARBON	2017/11/21
2020/03145	ADENO-ASSOCIATED VIRUS VARIANT CAPSIDS AND USE FOR INHIBITING ANGIOGENESIS	2018/11/26
2020/03147	CLOSURE	2018/12/19
2020/03159	COMPOSITIONS COMPRISING STREPTOCOCCUS PNEUMONIAE POLYSACCHARIDE-PROTEIN CONJUGATES AND METHODS OF USE THEREOF	2020/05/27
2020/03160	PROCESS FOR INJECTING PARTICULATE MATERIAL INTO A LIQUID METAL BATH	2020/05/27
2020/03173	METHODS AND SYSTEMS FOR GROWING PLANTS USING SILICATE-BASED SUBSTRATES, CULTIVATION OF ENHANCED PHOTOSYNTHETIC PRODUCTIVITY AND PHOTOSAFENING BY UTILIZATION OF EXOGENOUS GLYCOPYRANOSIDES FOR ENDOGENOUS GLYCOPYRANOSYL-PROTEIN DERIVATIVES, AND FORMULATIONS, PROCESSES AND SYSTEMS FOR THE SAME	2020/05/28
2020/03179	MAGNETIC MIXING APPARATUS	2018/09/12

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2020/03181	FOAMABLE CLEANING COMPOSITION	2018/12/04
2020/03182	TRIPHENYLPHOSPHONIUM-DERIVATIVE COMPOUNDS FOR ERADICATING CANCER STEM CELLS	2018/11/21
2020/03183	COSMETIC COMPOSITIONS COMPRISING SILICONE ELASTOMER AND EMOLLIENT	2018/11/19
2020/03202	SYSTEM AND METHOD FOR ANALYZING AND ALARMING AGAINST UNDERGROUND INRUSH WATER SOURCE TYPE	2020/05/29
2020/03245	DEVICE FOR MANUFACTURING A COMPOSITE ARTICLE (VARIANTS) AND ARTICLE	2018/12/28
2020/03288	COATING COMPOSITION FOR GLASS CONTAINERS	2018/12/21
2020/03289	POLYMORPHS AND SOLID FORMS OF A PYRIMIDINYLAMINO-PYRAZOLE COMPOUND, AND METHODS OF PRODUCTION	2018/11/20
2020/03290	USE OF FUNCTIONALIZED CALCIUM CARBONATE AS ACTIVE INGREDIENT	2019/01/25
2020/03292	PLANT-PROTEIN-BASED STRUCTURANTS	2018/12/18
2020/03293	CATALYST SYSTEMS AND ETHYLENE OLIGOMERIZATION METHOD	2018/11/30
2020/03294	HIGH MOISTURE RETAINING STRUCTURING SYSTEM FOR DETERGENT COMPOSITION	2018/12/10
2020/03295	A WEAR MEMBER FOR A WORK TOOL	2018/10/15
2020/03351	THIN STABILIZED SEGMENTAL WALL BLOCKS, SOIL REINFORCING SYSTEM, AND METHODS	2018/12/11
2020/03376	PESTICIDAL COMPOSITION AND METHOD FOR CONTROLLING PESTS	2018/12/18
2020/03377	POLYPHENYLENE SULFIDE SHORT FIBER, FIBROUS STRUCTURE, FILTER FELT, AND BAG FILTER	2018/12/12
2020/03378	PREPARATION OF AN AQUEOUS SUSPENSION OF PHOSPHATE MATERIAL	2018/11/09
2020/03381	LAUNDRY DETERGENT	2019/01/07
2020/03413	METHOD AND MACHINE FOR CONTROLLING A FORMING METHOD	2018/12/06
2020/03418	A PROCESS FOR COMPLETE	2018/11/30

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	UTILIZATION OF RAW HIDE / SKIN TO YIELD VALUABLE PRODUCTS	
2020/03419	METHOD FOR SOLUBILIZING 5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINEDIONE	2019/01/10
2020/03420	LAUNDRY DETERGENT	2019/01/07
2020/03421	INHIBITOR OF THE EXPRESSION OF CANCER-PROMOTING FACTORS, SCREENING METHOD FOR ACTIVE INGREDIENT THEREOF, EXPRESSION CASSETTE USEFUL IN SAID METHOD, DIAGNOSTIC DRUG, AND DIAGNOSTIC METHOD	2018/11/09
2020/03439	MAIZE EVENT MON87429 AND METHODS OF USE THEREOF	2020/06/09
2020/03446	OXY-FLUOROPIPERIDINE DERIVATIVE AS KINASE INHIBITOR	2018/12/28
2020/03447	GREASE COMPOSITION HAVING IMPROVED ADHESIVENESS	2018/12/07
2020/03452	COATING FOR FRUIT	2018/12/27
2020/03467	A SYSTEM AND METHOD FOR GEOGRAPHICAL LOCATION BASED DATA EXCHANGE	2020/06/10
2020/03469	EDB TARGETING IL-12 COMPOSITIONS	2020/06/10
2020/03479	A SAVOURY CONCENTRATE	2018/11/26
2020/03515	AN ADJUSTABLE BRACKET ASSEMBLY FOR TENSIONING A POLE MOUNTED FLAG/BANNER AND METHOD OF FORMING SAME	2018/11/13
2020/03518	A SHELF ASSEMBLY	2017/12/18
2020/03541	TRANSFORM SELECTION IN A VIDEO ENCODER AND/OR VIDEO DECODER	2019/07/10
2020/03543	A PROCESS FOR SEPARATING A FIBROUS TARGET COMPONENT FROM TEXTILE WASTE	2019/01/14
2020/03547	WEARABLE HEALTH-MONITORING DEVICES AND METHODS OF MAKING AND USING THE SAME	2018/10/18
2020/03568	MULTISPECIFIC CHIMERIC RECEPTORS COMPRISING NKG2D DOMAIN AND METHODS OF USE THEREOF	2020/06/15
2020/03580	ANTI-PD-L1 ANTIBODIES AND USES THEREOF	2020/06/15
2020/03595	SET OF PANELS	2018/12/14
2020/03613	PREPARATION OF SOLID CYCLODEXTRIN COMPLEXES FOR OPHTHALMIC ACTIVE PHARMACEUTICAL INGREDIENT	2017/11/29

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	DELIVERY	
2020/03697	SYSTEMS AND METHODS FOR RENDERING & PRE-ENCODED LOAD ESTIMATION BASED ENCODER HINTING	2018/04/20
2020/03703	CRYSTAL FORM AND SALT FORM OF TGF-BRI INHIBITOR AND PREPARATION METHOD THEREFOR	2020/06/19
2020/03706	STABLE CORTICOSTEROID COMPOSITIONS	2020/06/19
2020/03739	MINE BOLT BENDING SYSTEM	2020/06/22
2020/03777	METHOD AND DEVICE FOR DISCRIMINATING BETWEEN VIRAL AND BACTERIAL INFECTIONS	2018/05/15
2020/03779	AUTOMATED PHOTOVOLTAIC PLANT INSPECTION SYSTEM AND METHOD	2017/12/14
2020/03780	PUFF SENSING AND POWER CIRCUITRY FOR VAPORIZER DEVICES	2018/11/26
2020/03782	MICROFLUIDIC DEVICE WITH VENTED MICROCHAMBERS	2018/12/20
2020/03783	SECURITY MECHANISM FOR INTERWORKING WITH INDEPENDENT SEAF IN 5G NETWORKS	2019/01/03
2020/03806	DISPENSING CONTAINER WITH INTERIOR ACCESS	2020/06/23
2020/03809	PUMP AND METHOD FOR CONTROLLING A PUMP	2018/11/19
2020/03810	CYCLIC AMINE DERIVATIVE AND MEDICAL USE THEREOF	2019/01/30
2020/03811	TIME RESOURCE ASSIGNMENT SIGNALING MECHANISM FOR MSG3 TRANSMISSION	2019/02/15
2020/03812	APPARATUS AND METHOD FOR PRODUCING A SEALED SINGLE-DOSE BREAK-OPEN PACKAGE	2018/08/13
2020/03813	SEALED SINGLE-DOSE BREAK-OPEN PACKAGE AND RELATIVE PRODUCTION METHOD	2018/12/18
2020/03840	SCHEDULING REQUEST RESOURCE CONFIGURATION	2018/01/12
2020/03841	SUSTAINABLE METHODS AND DEVICES FOR AUTOMATED DOSING OF A LAUNDRY PRODUCT	2019/01/29
2020/03842	SYSTEM AND METHOD FOR SPECTROSCOPY ANALYSIS OF DIAMONDS	2018/12/20
2020/03843	PROTECTING A MESSAGE TRANSMITTED BETWEEN CORE	2019/02/15

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	NETWORK DOMAINS	
2020/03844	METHOD FOR PRODUCING AN EXTRACT OF CEREAL AND METHOD FOR PROCESSING THIS EXTRACT INTO BEVERAGE	2018/12/21
2020/03868	METHOD FOR REMOVING PHOSPHORUS FROM PHOSPHORUS-CONTAINING SUBSTANCE	2018/12/12
2020/03869	NEW BENZAMIDE DERIVATIVES AS PPAR-GAMMA MODULATORS	2018/12/11
2020/03871	METHOD FOR PRODUCING FREEZE-DRIED FORMULATION	2018/12/14
2020/03873	WIRELESS COMMUNICATION METHOD AND DEVICE	2018/12/07
2020/03875	TERMINAL DEVICE, BASE STATION DEVICE, COMMUNICATION METHOD AND INTEGRATED CIRCUIT	2018/12/27
2020/03912	GAS-LIQUID TWO-PHASE SATURATED COAL ROCK SAMPLE EXPERIMENTAL DEVICE AND SATURATION TEST METHOD	2019/05/22
2020/03913	METHOD FOR COLLABORATIVE DRAINAGE OF ROOF BED-SEPARATION WATER AND COAL-MEASURE GAS	2019/04/01
2020/03920	APPARATUS AND METHOD FOR MONITORING CONVEYOR SYSTEMS	2020/06/26
2020/03950	ANTI-BACTERIAL HETEROCYCLIC COMPOUNDS AND THEIR SYNTHESIS	2018/11/29
2020/03952	EXTRACELLULAR DOMAIN OF ALPHA SUBUNIT OF IGE FC RECEPTOR, PHARMACEUTICAL COMPOSITION COMPRISING SAME AND METHOD FOR PRODUCING SAME	2019/01/08
2020/03957	SYSTEMS AND METHODS FOR ELECTROCHEMICAL CREATININE ASSAYS AND BLOOD UREA NITROGEN	2019/01/10
2020/03959	CEREAL PLANTS WITH IMPROVED CELL WALL PROPERTIES	2018/12/21
2020/03972	NUCLEOTIDE HEMI-SULFATE SALT FOR THE TREATMENT OF HEPATITIS C VIRUS	2018/01/31
2020/03988	INTRAOCULAR LENS	2018/01/31
2020/03989	MATERIAL FOR INTRAOCULAR LENS	2018/01/31
2020/03991	POWER CONTROL FOR FEEDBACK	2018/04/06

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	SIGNALING	
2020/03992	SECURITY NEGOTIATION IN SERVICE BASED ARCHITECTURES (SBA)	2019/02/15
2020/03995	HANDLING OF PARAMETERS PROVIDED IN RELEASE / SUSPEND	2018/12/17
2020/04057	ASSEMBLY OF A CONTAINER AND A LID IN PLASTIC MATERIAL	2018/01/26
2020/04059	RETAINING DEVICE FOR RETAINING A SOFT-MAGNETIC STACKED TRANSFORMER CORE, AND TRANSFORMER	2020/07/02
2020/04137	BIOSENSOR ESTABLISHMENT FOR SALMONELLA TYPHIMURIUM DETECTION	2020/07/07
2020/04348	VEHICLE WINDOW ASSEMBLY	2020/07/15
2020/04383	IMAGE RESHAPING IN VIDEO CODING USING RATE DISTORTION OPTIMIZATION	2019/02/13
2020/04402	A CONTAINER	2020/07/17
2020/04558	APPARATUS AND METHOD FOR TREATMENT OF A LIQUID	2020/07/23
2020/04773	4-METHYLDIHYDROPYRIMIDINONE COMPOUNDS AND PHARMACEUTICAL USE THEREOF	2020/07/31
2020/04870	INTEGRATED ULTRASONIC LONGITUDINAL-BENDING COMPOSITE MACHINING TOOL FOR DIFFICULT-TO-MACHINE MATERIAL	2020/08/05
2020/04896	COMPUTING SYSTEM WITH SUPERCONDUCTING AND NON-SUPERCONDUCTING COMPONENTS LOCATED ON A COMMON SUBSTRATE	2018/12/01
2020/04897	SYSTEMS AND METHODS FOR NETWORK SLICING	2019/03/20
2020/04941	SYSTEM FOR PROCESS INTENSIFICATION OF WATER ELECTROLYSIS	2019/03/08
2020/05016	METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR CONTACTLESS PAYMENTS	2019/03/22
2020/05156	LAUNDRY COMPOSITION	2019/02/19
2020/05290	NETWORK SLICE CONFIGURATION UPDATE	2019/04/12
2020/05362	CRYSTAL FORM OF 1H-IMIDAZO[4,5-B]PYRIDINE-2(3H)-ONE COMPOUND AND PREPARATION PROCESS THEREFOR	2019/01/29
2020/05373	APPARATUSES FOR CONVERTING AN OBJECT POSITION OF AN	2020/08/28

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	AUDIO OBJECT, AUDIO STREAM PROVIDER, AUDIO CONTENT PRODUCTION SYSTEM, AUDIO PLAYBACK APPARATUS, METHODS AND COMPUTER PROGRAMS	
2020/05549	POST AND CLAMP FIXING SYSTEM FOR A FENCE AND METHOD OF ASSEMBLING SAME	2020/09/08
2020/05565	NON-HORMONAL COMPOSITIONS AND METHODS FOR MALE CONTRACEPTION	2019/03/22
2020/05606	COMPUTERIZED ASSISTANCE USING ARTIFICIAL INTELLIGENCE KNOWLEDGE BASE	2019/03/27
2020/05607	COMPOUND CONDITIONAL REORDERING FOR FASTER SHORT-CIRCUITING	2019/03/12
2020/05608	MATRIX VECTOR MULTIPLIER WITH A VECTOR REGISTER FILE COMPRISING A MULTI-PORT MEMORY	2019/04/06
2020/05609	MECHANISM FOR PEN INTEROPERABILITY WITH PRESSURE SENSOR DESIGN	2019/04/09
2020/05799	VIEWING OPTIC WITH A BASE HAVING A LIGHT MODULE	2020/09/18
2020/05829	IMAGE PROCESSING DEVICE AND IMAGE PROCESSING METHOD	2020/09/21
2020/05920	METHOD FOR SELECTIVELY OXIDIZING METALS OF AN ALLOY	2020/09/25
2020/05954	BEE-HIVE REGULATOR	2020/09/28
2020/05955	LIQUID-DISPENSING CLEANING UTENSIL	2020/09/28
2020/06001	MORTUARY TRAY	2020/09/29
2020/06399	SYSTEM FOR DISPLAYING INFORMATION	2020/10/15
2020/06642	FENCING DEVICE FOR INSTALLING AND/OR REMOVING A FENCE	2020/10/26
2020/06926	FUEL DISPENSING ENVIRONMENT HAVING WIRELESS SENSING ARRANGEMENT	2020/11/06
2020/06952	MULTIPURPOSE TOWEL BAG	2020/11/09
2020/07207	SUITCASE FIXING DEVICE FOR URBAN TRAFFIC AND METHOD OF USING SAME	2020/11/19
2020/07244	GRANULE MILL	2020/11/20
2020/07300	ACCESS LADDER FOR A VEHICLE	2020/11/24
2020/07497	HIERARCHICAL POROUS MATERIAL, AND PREPARATION METHOD AND USE THEREOF	2020/12/02
2020/07533	TENDON CONNECTOR SYSTEM	2020/12/03
2020/07595	COMPACTED GEOPHAGIC	2020/12/07

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	CONSUMABLE	
2020/07700	WATER TREATMENT APPARATUS	2020/12/09
2020/07704	METHOD OF MANAGING INSURANCE RISK	2020/12/10
2020/07807	MACHINE FOR WRAPPING PALLETS	2020/12/15
2020/07919	METHOD AND SYSTEM FOR REMOTE MANAGEMENT OF ACCESS TO APPLIANCES	2020/12/18
2020/07921	PACKAGE OF A FOOD PRODUCT PROVIDED WITH A SCOOPING TOOL	2020/12/18
2020/07966	A METHOD OF ADVERTISING USING SKILL-BASED AV DISPLAY GAMING	2020/12/21
2020/07969	GRINDER	2020/12/21
2020/07970	METHOD AND SYSTEM FOR ASSIGNING AND TRACKING PROGRESS OF ACTION ITEMS IN A REVIEW MEETING	2020/12/21
2021/00016	FASTENING TOOL INSTANT TORQUE METERING ACCESSORY	2021/01/04
2021/00022	LIGHT CONDENSING DEVICE FOR INSPECTING QUALITY INSIDE FRUITS AND VEGETABLES, SYSTEM COMPRISING SAME, AND USE METHOD THEREOF	2021/01/04
2021/00051	FLANGE GASKET WITH VARIABLE THICKNESS	2021/01/05
2021/00066	AUDIOVISUAL LIVESTREAM SYSTEM AND METHOD WITH LATENCY MANAGEMENT AND SOCIAL MEDIA-TYPE USER INTERFACE MECHANICS	2021/01/05
2021/00109	METAL WIRE WITH ANTI-CORROSIVE COATING AND INSTALLATION AND METHOD FOR COATING A METAL WIRE	2021/01/07
2021/00119	METHOD AND DEVICE FOR CULTIVATION OF CROPS	2021/01/07
2021/00227	METHOD FOR EARLY DETECTION OF A NECROTIC ENTERITIS OUTBREAK IN AN AVIAN POPULATION	2021/01/13
2021/00229	MICELLAR DELIVERY METHOD	2021/01/13
2021/00263	COMPOSITIONS AND METHODS FOR THE TREATMENT OF CANCER	2021/01/14
2021/00277	NOVEL COMPOUNDS AND PHARMACEUTICAL COMPOSITIONS THEREOF FOR THE TREATMENT OF DISEASES	2021/01/14
2021/00343	A WELDING METHOD FOR THE	2021/01/18

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	MANUFACTURE OF AN ASSEMBLY OF AT LEAST 2 METALLIC SUBSTRATES	
2021/00344	ELECTRODES COMPRISING THREE-DIMENSIONAL HETEROATOM-DOPED CARBON NANOTUBE MACRO MATERIALS	2021/01/18
2021/00365	WASHING APPARATUS	2021/01/18
2021/00380	METHOD AND DEVICE FOR DETERMINING AUTOPHAGIC FLUX	2021/01/19
2021/00385	GENERATING CHANNEL ACCESS PATTERNS FOR NETWORKS THAT ARE NOT COORDINATED WITH ONE ANOTHER	2021/01/19
2021/00396	APPARATUS AND METHOD FOR APPLYING A PLURALITY OF TOP-ENGAGING CARRIERS TO GROUPS OF ARTICLES	2021/01/19
2021/00474	THIADIAZINE DERIVATIVES	2021/01/22
2021/00475	SPIROCHROMANE DERIVATIVES	2021/01/22
2021/00623	ROCK CUTTING ASSEMBLY	2021/01/28
2021/00657	OPTOELECTRONIC SOLAR CELL TEST SYSTEM FOR AN IN-LINE SOLAR CELL PRODUCTION PLANT, AND METHOD FOR OPTIMISING THE IN-LINE PRODUCTION OF SOLAR CELLS USING AN OPTOELECTRONIC SOLAR CELL TEST SYSTEM OF THIS TYPE	2021/01/29
2021/00736	A MOUNTING DEVICE FOR ASSEMBLY OF A CEILING BELOW A ROOF FRAME	2021/02/03
2021/00756	NOVEL HYALURONIC ACID-HYDROLYZING ENZYME MUTANT AND PHARMACEUTICAL COMPOSITION COMPRISING SAME	2021/02/03
2021/00769	CDK8/19 INHIBITORS	2021/02/02
2021/00803	STORAGE DEVICE FOR OVERBOARD SUSPENSION ON A PLEASURE CRAFT	2021/02/05
2021/00836	AN ADDITIVE FOR WATER	2021/02/08
2021/00842	A PLANT GROWTH SYSTEM	2021/02/08
2021/00872	DECENTRALIZED CYBERSECURE PRIVACY NETWORK FOR CLOUD COMMUNICATION AND GLOBAL E-COMMERCE	2021/02/09
2021/00899	MODULAR BUILDING CONSTRUCTION	2021/02/10
2021/00987	METHOD FOR PRODUCING THERMALLY PROCESSED MATERIAL	2021/02/12
2021/01022	HOT ROLLED STEEL SHEET WITH	2021/02/15

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	HIGH HOLE EXPANSION RATIO AND MANUFACTURING PROCESS THEREOF	
2021/01085	INFRINGEMENT DETECTION METHOD, DEVICE AND SYSTEM	2021/02/17
2021/01140	LEVEL MEASURING DEVICE	2021/02/19
2021/01185	OPENABLE STRUCTURE	2021/02/22
2021/01203	SATELLITE COMMUNICATION TRANSMITTER	2021/02/23
2021/01205	SOLAR-POWERED CONTINUOUS DISTILLATION ASSEMBLY HAVING EFFICIENT HEAT RECOVERY	2021/02/23
2021/01270	TAMPER EVIDENT SYSTEM	2021/02/25
2021/01321	TUBE CLEANER	2021/02/26
2021/01378	INCLINED CIRCULAR SCREEN PRINTING AND DYEING DEVICE	2021/02/26
2021/01379	FORMALDEHYDE PURIFICATION DEVICE FOR HOUSE AIR TREATMENT	2021/02/26
2021/01389	DRILL PIPE SEGMENT LIFE MONITOR	2021/03/01
2021/01440	RAR SELECTIVE AGONISTS IN COMBINATION WITH IMMUNE MODULATORS FOR CANCER IMMUNOTHERAPY	2018/08/30
2021/01778	DUST CONCENTRATION DETECTION METHOD	2021/03/17
2021/01779	MINE UNDERGROUND SHIFTING FORK DEVICE BASED ON CRANK SLIDER MECHANISM	2021/03/17
2021/01817	IMPROVEMENTS IN OR IN RELATION TO SCREENS	2021/03/18
2021/02203	METHOD OF REDUCING GAS EMISSION FROM FARM FERTILIZERS	2021/03/31
2021/03157	CONDUCTIVE PA6/PPO ALLOY MATERIAL AND PREPARATION METHOD THEREOF	2021/05/10
2021/03918	REFERENCE MODEL ADAPTIVE RATE CONTROL SYSTEM AND METHOD IN COOPERATIVE VEHICLE SAFETY SYSTEM	2021/06/08
2021/04292	RECESS STRUCTURE FOR REINFORCING CONNECTION BETWEEN RAILWAY SLEEPER AND TRACK BED, AND CONSTRUCTION METHOD	2019/12/10
2021/04906	NEUTRALIZING MIMIC EPITOPE SHARED BY DUCK HEPATITIS A VIRUS TYPE 1 AND TYPE 3 AND USE THEREOF	2021/07/13
2021/05355	ANTI-SEPARATION DESIGN FOR	2020/01/08

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	CONCRETE-FILLED STEEL TUBE MEMBER AND SLEEPER BLOCK OF BALLASTLESS TRACK	
2021/05958	METHOD FOR ESTABLISHING ANIMAL MODEL OF NON-COMPRESSIVE LUMBAR DISC NUCLEUS PULPOSUS HERNIATION	2021/08/19
2021/06072	MICROSEISMIC/ACOUSTIC EMISSION SOURCE LOCALIZATION METHOD IN COMPLEX STRUCTURE HAVING EMPTY SPACE	2021/08/23
2021/06342	A METHOD FOR MOUNTING A ROLL OF PROTECTIVE MESH MATERIAL TO AN UNDERGROUND ROCK DRILLING MACHINE, A METHOD FOR ATTACHING PROTECTIVE MESH MATERIAL TO A ROCK SURFACE AND A MOUNTING DEVICE	2021/08/31
2021/06354	DATA DYNAMIC PARTITIONING SYSTEM BASED ON NODE LOAD	2020/05/15
2021/06410	INTELLIGENT CONTROL SYSTEM FOR WET DESULFURIZATION	2021/09/02
2021/06416	A PULSE SEQUENCE METHOD BASED ON HFM FOR SPEED MEASUREMENT AND RANGING	2021/09/02
2021/06418	A DATA SHARING SYSTEM AND METHOD BASED ON DOUBLE-CHAIN TECHNOLOGY IN BLOCKCHAIN	2021/09/02
2021/06419	HERBICIDE FOR INHIBITING WEED IN PEANUT FIELD AND PROCESS FOR PREPARING CAPSULE SUSPENSION	2021/09/02
2021/06420	SCENTED TEA FILLING GRAIN CAKE AND METHOD FOR MAKING SAME	2021/09/02
2021/06421	METHOD FOR EXTRACTING SULFORAPHANE FROM BROCCOLI SEEDS	2021/09/02
2021/06447	PAENIBACILLUS POLYMYXA AND APPLICATION THEREOF	2021/09/03
2021/06448	BIOCONTROL PREPARATION AND APPLICATION THEREOF IN CONTROL OF PRATYLENCHUS COFFEA	2021/09/03
2021/06449	BREVIBACILLUS AGRI DR2-1 AND APPLICATION THEREOF	2021/09/03
2021/06514	DEVICE AND METHOD FOR FORMING LOCAL DUST-FREE SPACE FOR USE IN MINE	2020/12/31
2021/06557	TUNABLE LASER CHROMIUM-DOPED GADOLINIUM SCANDATE	2020/04/13

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	CRYSTAL AND PREPARATION METHOD THEREFOR	
2021/06558	METHOD FOR PROCESSING SINGLE CRYSTAL OPTICAL FIBER WITH UNIFORM DIAMETER	2020/04/13
2021/06579	MODIFIED HYDROXYPROPYL METHYL CELLULOSE FOR ENHANCED CERAMIC TILE ADHESIVE AND PREPARATION METHOD AND APPLICATION THEREOF	2021/09/07
2021/06580	MODIFIED HYDROXYETHYL METHYL CELLULOSE FOR ENHANCED CERAMIC TILE ADHESIVE AND PREPARATION METHOD AND APPLICATION THEREOF	2021/09/07
2021/06588	NOVEL AUTOMATIC UNDERGROUND EXPLOSION ISOLATION DEVICE WITH ADJUSTABLE OUTER COVER FOR COAL MINE	2021/09/08
2021/06589	METHOD FOR RAPID BREEDING OF NEW VARIETY OF CALADIUM BICOLOR	2021/09/08
2021/06598	PORTABLE METHOD AND DEVICE FOR RAPIDLY ACQUIRING INFORMATION ON AGRICULTURAL PRODUCT	2021/09/08
2021/06601	MULTI-SOURCE INFORMATION FUSION PIPELINED NON-DESTRUCTIVE DETECTION METHOD AND DEVICE FOR AGRICULTURAL PRODUCT	2021/09/08
2021/06622	METHOD FOR EXTRACTING A RADAR EFFECTIVE DETECTION AREA BASED ON REMOTE SENSING IMAGE	2020/05/22
2021/06650	A SEED BOUNCING INHIBITION DEVICE AND METHOD FOR A PRECISION PLANTER	2021/09/09
2021/06660	A METHOD AND SYSTEM FOR OPTIMIZATION OF PARTICLE CONCENTRATION LEVELS OF A VARIOUS NANOFLUIDS IN A PLATE HEAT EXCHANGER	2021/09/09
2021/06661	A PROCESS FOR PREPARING WATER-BASED HYBRID NANOFLUID AND ANALYZING THERMAL CONDUCTIVITY	2021/09/09
2021/06692	DEVICE FOR TESTING PERFORMANCE OF AUTOMOBILE SNOW CHAINS	2021/09/10

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2021/06693	SOYBEAN SAUCE BASED ON BACILLUS SUBTILIS NATTO MUTANT AS DOMINANT STRAIN AND PREPARATION METHOD	2021/09/10
2021/06701	APPLICATION OF KEY ENZYME GENE IN BRASSINOSTEROIDS BIOSYNTHESIS FROM ZEA MAYS TO IMPROVING PLANT STRESS RESISTANCE	2021/09/10
2021/06702	APPLICATION OF SPINACH SOCYP92A1 GENE TO ENHANCING PLANT STRESS RESISTANCE	2021/09/10
2021/06703	PREPARATION METHOD OF NEMATODE SLIDES FOR MORPHOLOGIC OBSERVATION	2021/09/10
2021/06704	METHOD FOR PREPARING FOOD-DERIVED ACE INHIBITORY PEPTIDES FROM ZEIN BY SWEEP FREQUENCY ULTRASOUND COUPLING ENZYMOLYSIS	2021/09/10
2021/06746	HINGE MODULE INCLUDING DETENT STRUCTURE AND FOLDABLE ELECTRONIC DEVICE INCLUDING THE HINGE MODULE	2020/02/14
2021/06808	AGRICULTURAL COMPOSITIONS FOR USE IN CONTROLLING AND/OR TREATING DISEASE OF VASCULAR TISSUE IN PLANTS	2020/02/19
2021/06828	BREEDING TECHNIQUE FOR FOUR GENERATIONS A YEAR OF NORTHERN SPRING SOYBEAN IN NORTHEAST ALPINE REGION	2021/09/17
2021/06829	BREEDING METHOD OF MULTI-RESISTANCE GENE POLYMERIZED SOYBEAN AND APPLICATION THEREOF	2021/09/17
2021/06830	METHOD FOR HIGH-THROUGHPUT MULTIPLEX PCR OF SOYBEAN SSR MARKERS	2021/09/17
2021/06831	A KIND OF OINTMENT CONTAINING TEA POLYPHENOLS AND TEA SEED OIL FOR PREVENTING INFANTILE DIAPER RASH	2021/09/17
2021/06832	PREPARATION METHOD OF NOVEL GOAT SPERM AGONIST IN VITRO	2021/09/17
2021/06833	GERMINATED MILLET FOOD AND PREPARATION METHOD THEREOF	2021/09/17
2021/06834	LUGGAGE TROLLEY FOR TOURIST HOTEL	2021/09/17
2021/06835	A SEAL-TYPE HIGH-SPEED TRANSPORTATION AND ACCURATE INFO-PUSHING UNIT APPLIED FOR BAGGAGE CHECK-IN	2021/09/17

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	AT THE AIRPORT AS WELL AS THE METHOD AND THE SYSTEM THEREOF	
2021/06836	BIONIC BRAKE PAD BACKBOARD WITH HIGH ADHESION	2021/09/17
2021/06837	MODIFIED GAUSSIAN MIXTURE MODEL METHOD FOR PATTERN RECOGNITION AND STATISTICAL MODELING	2021/09/17
2021/06839	SPECIAL ENZYME FOR GALACTOOLIGOSACCHARIDE PRODUCTION AS WELL AS PREPARATION AND APPLICATION THEREOF	2021/09/17
2021/06840	HIGH-MODULUS IMPACT-RESISTANT HDPE DOUBLE-WALL CORRUGATED PIPE AND PREPARATION METHOD THEREOF	2021/09/17
2021/06841	BURIED ORGANIC RIGIDITY-REINFORCED TOUGHENED ALLOY WINDING STRUCTURE WALL PIPE AND PREPARATION METHOD THEREOF	2021/09/17
2021/06842	BURIED ORGANIC RIGIDITY-REINFORCED TOUGHENED ALLOY PIPE AND PREPARATION METHOD THEREOF	2021/09/17
2021/06843	MASTITIS LINIMENT AND PREPARATION METHOD THEREOF	2021/09/17
2021/06845	TISSUE CULTIVATE AND RAPID PROPAGATION METHOD OF CALADUIM BICOLOR APPLICABLE FOR FACTORY PRODUCTION	2021/09/17
2021/06846	MINIMALLY INVASIVE SURGERY ROBOT WITH DOUBLE ENDOSCOPES AND OPERATION METHOD THEREOF	2021/09/17
2021/06855	NANO-CUPROUS OXIDE COMPOSITE CERAMSITE FOR WATER TREATMENT AND PREPARATION METHOD AND APPLICATION THEREOF	2021/09/17
2021/06856	POULTRY BEHAVIOR IDENTIFICATION METHOD BASED ON DEEP CONVOLUTIONAL NEURAL NETWORK	2021/09/17
2021/06857	METHOD AND SYSTEM FOR PREDICTING SURFACE WATER AND GROUNDWATER IN HYDROLOGICAL FORECASTING	2021/09/17
2021/06858	AUTOMATIC PAGE TURNING PIANO SHEET STAND	2021/09/17
2021/06859	A FOLDABLE IT MOBILE TEACHING	2021/09/17

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	DEVICE	
2021/06860	APPLICATION OF GRAPE SEED EXTRACT IN PREPARING MEDICINE FOR PROMOTING ADOLESCENT BONE GROWTH	2021/09/17
2021/06861	FIRE EARLY WARNING DEVICE FOR INTELLIGENT FORESTRY	2021/09/17
2021/06862	METHOD FOR QUICKLY DETERMINING FIBER COMPONENTS IN FOOD OR FEED IN BATCHES	2021/09/17
2021/06882	METHOD FOR RAPID PREPARATION OF EPIDEMIC AND INFECTIOUS BRONCHITIS VACCINE	2021/09/17
2021/06895	ELECTRIC CONTACT ELEMENT FOR HIGH OPERATING VOLTAGES	2021/09/17
2021/06896	ELECTRICAL CONTACT ELEMENT	2021/09/17
2021/07011	PLANT ADDITIVE FOR IMPROVING PORK QUALITY AND APPLICATION THEREOF	2021/09/17
2021/07013	CULTIVATION METHOD FOR PROMOTING EARLY EMERGENCE OF PEANUTS AND PRESERVING FULL SEEDLINGS IN SALINE-ALKALI SOIL	2021/09/20
2021/07057	METHOD FOR MEASURING ABSORPTION AND RETENTION EFFECTS OF PLANTS ON PARTICLES WITH DIFFERENT SIZES	2021/09/22
2021/07058	SWEET POTATO SELENIUM-ENRICHED FERTILIZER WITH WATER RETENTION FUNCTION, AND PREPARATION METHOD OF SWEET POTATO SELENIUM-ENRICHED FERTILIZER	2021/09/22
2021/07059	NOVEL SELF-CLEANING SCREENING AND SAMPLING DEVICE FOR GEOLOGICAL ENGINEERING SURVEY	2021/09/22
2021/07060	MULTIFUNCTIONAL DRAWING DEVICE FOR GEOLOGICAL FIELD RECORD	2021/09/22
2021/07061	METHOD FOR PREPARING POLYPEPTIDE TUBULYSIN M WITH HIGH ANTI-TUMOR ACTIVITY	2021/09/22
2021/07062	ORGANIC FERTILIZER HEAVY METAL PASSIVATION REMOVAL DEVICE	2021/09/22
2021/07063	THE DUAL-ADJUSTMENT INTELLIGENT HYDRAULIC AUXILIARY BRAKING SYSTEM AND CONTROL METHOD FOR HEAVY	2021/09/22

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	COMMERCIAL VEHICLE	
2021/07065	HIGH-TEMPERATURE-RESISTANT COLORING EARLY SELECTION METHOD FOR EARLY-MID RIPENING HYBRID APPLE SEEDLINGS	2021/09/22
2021/07066	SIMULATION METHOD FOR ENERGY-SAVING BUILDING DESIGN AND ITS SYSTEM	2021/09/22
2021/07067	NUTRIENT SOLUTION FOR SOILLESS CULTURE OF FRUIT AND VEGETABLE CROPS, PREPARATION METHOD AND SOLUTION SUPPLYING METHOD	2021/09/22
2021/07070	USE OF REAGENT FOR DETECTING SNP MOLECULAR MARKERS IN PREPARING KIT FOR IDENTIFYING COLORECTAL CANCER PATIENTS WITH HIGH RISK OF PROGRESSION	2021/09/22
2021/07071	FLAX STRAW SMASHING AND THRESHING ALL-IN-ONE DEVICE	2021/09/22
2021/07072	ECG SIGNAL CLASSIFICATION SYSTEM AND METHOD BASED ON FPA AND COMPACT MULTIPLE CLASS SVM	2021/09/22
2021/07100	FERMENTED FEED FOR AQUATIC PRODUCTS AND PREPARATION METHOD AND APPLICATION THEREOF	2021/09/23
2021/07101	COMPLEX STRUCTURE RELIABILITY DESIGN METHOD BASED ON HYBRID VECTOR SURROGATE MODEL	2021/09/23
2021/07102	SAFETY VEST BOUND IN WHEELCHAIRS	2021/09/23
2021/07103	DEVICE AND METHOD FOR EXTRACTING MICROPLASTICS IN SOIL OF PINUS MASSONIANA LAMB. WOODLAND	2021/09/23
2021/07104	NURSING DEVICE USED AFTER BONE FLAP DECOMPRESSIVE CRANIECTOMY	2021/09/23
2021/07105	WOODCUT PRINT AND PREPARATION METHOD THEREOF	2021/09/23
2021/07106	PHARMACEUTICAL COMPOSITION FOR TREATING ALZHEIMER'S DISEASE	2021/09/23
2021/07107	DUAL MODE VEHICLE THAT OPERATES ON BOTH GUIDED RAILS AND UNGUIDED ROADWAYS	2021/09/23
2021/07111	KENAF SEED-FERTILIZER SEPARATION SOWING MACHINE	2021/09/23

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2021/07112	TIAL COATING CAPABLE OF IMPROVING HIGH-TEMPERATURE OXIDATION RESISTANCE OF TITANIUM ALLOY AND PREPARATION METHOD THEREOF	2021/09/23
2021/07113	VARICOSE VEIN REHABILITATION TRAINING DEVICE FOR VASCULAR SURGERY	2021/09/23
2021/07122	EMERGENCY PERMISSION-STARTING COMMUNICATION DEVICE SYSTEM AND METHOD THEREFOR	2021/09/23
2021/07152	ORNIDAZOLE PHARMACEUTICAL COCRYSTAL AND PREPARATION METHOD THEREOF	2021/09/27
2021/07153	UVC-LED-ULTRASONIC WAVE COMBINED STERILIZATION DEVICE	2021/09/27
2021/07154	NOVEL FERTILIZER DISCHARGING MECHANISM	2021/09/27
2021/07155	ZSM-5/TIO ₂ COMPOSITE MATERIAL AND PREPARATION METHOD THEREOF	2021/09/27
2021/07156	POROUS CARBON-BASED CATALYST BASED ON HOLLOW ZSM-5 AND PREPARATION METHOD THEREOF	2021/09/27
2021/07157	MAGNETIC CARBON-SUPPORTED TIO ₂ PHOTOCATALYST AND PREPARATION METHOD THEREOF	2021/09/27
2021/07158	THE CONCHOCCELIS GERMPLASM PREPARATION METHOD FOR BANGIA FUSCOPURPUREA	2021/09/27
2021/07159	METHOD FOR DETECTING THE CONSENSUS OF MULTI-AGENT SYSTEMS	2021/09/27
2021/07160	NOVEL COMPOUND FOR IMPROVING PLANT RESISTANCE TO SOIL ACID STRESS AND PREPARATION METHOD THEREOF	2021/09/27
2021/07161	APPLICATION METHOD OF NOVEL COMPOUND IN IMPROVING THE RESISTANCE OF PLANTS TO SOIL ACID STRESS	2021/09/27
2021/07162	TWO OLIGO DNA GROUPS FOR TARGETED KNOCKING OUT SGRNA OF RICE OSMAP65-3.2 GENE	2021/09/27
2021/07163	TWO TARGETED KNOCKOUT OLIGO DNA GROUPS OF THE SGRNA OF RICE OSMAP65-3.1 GENE	2021/09/27
2021/07164	VEGETABLE SEASONING POWDER RICH IN ISOTHIOCYANATES AND ITS PRODUCTION METHOD	2021/09/27

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2021/07165	HIGH-STRENGTH THERMAL INSULATION CONCRETE FOR ALPINE DAMS AND PREPARATION METHOD THEREOF	2021/09/27
2021/07168	SURVEYING INSTRUMENT BASED ON SATELLITE POSITIONING SYSTEM	2021/09/27
2021/07169	COAL MINE TRANSPORTATION DEVICE WITH TRANSPORTATION ROUTE PLANNING FUNCTION	2021/09/27
2021/07170	METAL DOME STAMPING DIE	2021/09/27
2021/07171	METHOD FOR PREDICTING SECURITY CAPACITY PERFORMANCE OF MOBILE COMMUNICATION SYSTEM	2021/09/27
2021/07172	BACK PLATE STRUCTURE, BACK PLATE MANUFACTURING MOULD AND PRODUCTION PROCESS FOR PREVENTING BRAKE PAD FROM FALLING OFF	2021/09/27
2021/07173	METHOD FOR IMPROVING THE SURVIVAL RATE OF THE GRAFTED REPRODUCTION OF THE PINUS BUNGEANA ZUCC. VARIANT TYPE	2021/09/27
2021/07174	RAPID PROPAGATION METHOD OF AKEBIA DECNE PLANTS BY CUTTAGE	2021/09/27
2021/07175	HIGH-PERFORMANCE SERVO MOTOR	2021/09/27
2021/07176	AUTOMATIC LUBRICATING SYSTEM AND METHOD FOR POWER BEARING OF WASHING MACHINE	2021/09/27
2021/07178	MULTI-PARAMETER INTELLIGENT ACQUISITION SYSTEM FOR VIBRATION OF HEAVY-HAUL RAILWAY TRAINS	2021/09/27
2021/07179	WHOLE-PROCESS MECHANIZED HIGH-YIELD AND SYNERGISTIC PLANTING METHOD OF WINTER WHEAT IN HUANG-HUAI-HAI FLUVO-AQUIC SOIL AREA	2021/09/27
2021/07180	SOLID WASTE INCINERATION PROCESSING DEVICE IN PLATEAU AREA	2021/09/27
2021/07181	MUNICIPAL RAINWATER PURIFYING DEVICE	2021/09/27
2021/07183	PHOTOACOUSTIC CELL WITH ANTI-NOISE FUNCTION	2021/09/27
2021/07184	GAS DETECTOR FOR ENVIRONMENTAL DETECTION	2021/09/27
2021/07185	MEDICAL MONITORING SYSTEM AND APPLICATION, MEDICAL	2021/09/27

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	MONITORING DEVICE AND MONITORING-ALARMING METHOD	
2021/07186	TRADITIONAL CHINESE MEDICINE COMPOSITION FOR TREATING SORE MOUTH	2021/09/27
2021/07187	FEED ADDITIVE FOR IMPROVING PRODUCTION PERFORMANCE OF MEAT RABBITS	2021/09/27
2021/07188	METHOD FOR REMEDYING GROUNDWATER CONTAINING HIGH-CONCENTRATION NITRATE NITROGEN BASED ON FOREIGN MICROFLORA	2021/09/27
2021/07189	AUTOMATIC DRIVE ROAD CONDITION NAVIGATION METHOD AND SYSTEM BASED ON 5G NETWORK AND MEDIUM	2021/09/27
2021/07190	EXPRESSWAY METEOROLOGICAL EARLY-WARNING METHOD AND DEVICE BASED ON 5G COMMUNICATION AND MEDIUM	2021/09/27
2021/07191	ROAD MAINTENANCE METHOD AND DEVICE BASED ON 5G	2021/09/27
2021/07194	CANTILEVER TYPE PLANE AUTOMATIC ADHESIVE TAPE APPLYING DEVICE	2021/09/27
2021/07197	METHOD FOR PROMOTING ORNAMENTAL TRAITS OF CALENDULA OFFICINALIS BY USING COMPOUND MICROBIAL INOCULUM	2021/09/27
2021/07198	A CONTACTLESS ULTRAVIOLET-C BASED SANITIZING DEVICE	2021/09/27
2021/07201	PEDICLE SCREW AND ROD FIXING SYSTEM HAVING DUAL FLEXIBILITY OF SCREW AND ROD	2021/09/27
2021/07203	(1-5)-GAL-(1-6)-MAN GLYCOPROTEIN, PREPARATION METHOD THEREFOR AND USE THEREOF	2021/09/27
2021/07204	CENTRIFUGAL SPINNING APPARATUS AND PLANAR RECEIVING-TYPE CENTRIFUGAL SPINNING AUTOMATIC PRODUCTION DEVICE	2021/09/27
2021/07208	FABRY-PÉROT INTERFERENCE-BASED OPTICAL FIBER HEAVY METAL ION SENSOR	2021/09/27
2021/07209	REMOTE POSITIONING METHOD FOR SERVER, COMPUTER DEVICE, AND STORAGE MEDIUM	2021/09/27
2021/07210	CREDIBILITY AUTHENTICATION METHOD FOR SDN NODES	2021/09/27

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2021/07211	METHOD AND APPARATUS FOR MEASURING SECURITY OF HARD DISK OF SERVER	2021/09/27
2021/07249	PREPARATION METHOD FOR 3DOM BULK HYDROGENATION CATALYST	2021/09/27
2021/07250	PREPARATION METHOD OF HYDRODESULFURIZATION CATALYST	2021/09/27
2021/07251	PREPARATION METHOD OF PHOSPHIDE HYDROGENATION CATALYST	2021/09/27
2021/07252	FERMENTED TREMELLA FUCIFORMIS BERK PULP TYPE FROZEN JAM WITH EFFECTS OF PROMOTING BLOOD CIRCULATION AND BEAUTIFYING SKIN AND PREPARATION METHOD THEREOF	2021/09/27
2021/07253	LIDAR MEASURING APPARATUS AND METHOD FOR SMART CITIES	2021/09/27
2021/07254	SPHERICAL SPATIAL DATA MEASUREMENT DEVICE AND AUTOMATIC FEATURE EXTRACTION METHOD	2021/09/27
2021/07255	ELECTRONIC INSTRUMENT DETECTION COMPONENT FOR AVIATION	2021/09/27
2021/07271	A PEST AND DISEASE IDENTIFICATION SYSTEM BASED ON BIG DATA AND DEEP LEARNING	2021/09/28
2021/07640	GRANULAR HOLOTRICHIA PARALLELA SLOW-RELEASE SEX ATTRACTANT AND PREPARATION METHOD THEREOF	2021/10/11
2021/07641	METHOD AND SYSTEM FOR INFORMATION MONITORING AND EARLY WARNING OF FOODBORNE DISEASE	2021/10/11
2021/07726	METHOD FOR PERFORMING TOPPING PRESSURE RELIEF IN ADVANCE DURING TERMINAL MINING OF COAL SEAM FACE	2021/10/12
2021/07753	SALINE-ALKALI TOLERANT TRICHODERMA VIRIDE TV-1511 AND BIO-ORGANIC FERTILIZER AND APPLICATION THEREOF	2021/10/13
2021/07754	A NOVEL PROTEIN EXPRESSION SYSTEM IN SACCHAROMYCES CEREVISIAE AND APPLICATION THEREOF	2021/10/13
2021/07755	ENERGY-SAVING AND ENVIRONMENT-FRIENDLY RICE AND FISH CO-CULTURE SYSTEM AND METHOD	2021/10/13

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2021/07756	GREEN ENERGY EMPOWERED AUTOMATED SOIL PROFILE MEASUREMENT AND LAWN WATERING SYSTEM USING IOT	2021/10/13
2021/07911	SPECIAL ROAD SURFACE OIL CLEANING DEVICE	2021/10/18
2021/08057	CYLINDRICAL POROUS CARRIER AND PREPARATION METHOD THEREOF, AS WELL AS CATALYST AND APPLICATION THEREOF	2021/10/20
2021/08143	COMBINED APPLICATION OF HAEMOPHILUS PARASUIS LC STRAIN AND HAEMOPHILUS PARASUIS LZ-20100109 STRAIN	2021/10/22
2021/08144	TERAHERTZ DEVICE BASED ON ENHANCED EXTRAORDINARY OPTICAL TRANSMISSION AND PREPARATION METHOD	2021/10/22
2021/08145	TERAHERTZ ELECTROMAGNETICALLY INDUCED TRANSPARENT META-MATERIAL AND PREPARATION METHOD AND APPLICATION	2021/10/22
2021/08146	TERAHERTZ ELECTROMAGNETICALLY INDUCED TRANSPARENT META-MATERIALS BASED ON ACTIVE TUNING OF GRAPHENE AND APPLICATION	2021/10/22
2021/08147	VISUAL CORRIDOR PLANNING AND DESIGN METHOD AND SYSTEM FOR URBAN MOTORIZED TRANSPORTATION ENVIRONMENT	2021/10/22

DESIGNS

Advertisement List for November 2021

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A2019/01142	Watch Dial	2019/08/21
A2019/01376	GRID PLATE	2019/09/18
A2019/01389	GRID PLATE	2019/09/19
A2019/01425	Scale Model of a Bus	2019/09/26
A2019/01518	JACKET	2019/10/10
A2019/01521	TROUSERS	2019/10/10
A2019/01526	WATER DISPENSER	2019/10/14

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A2020/01406	Car	2020/10/29
A2020/01507	Car	2020/11/23
A2020/01508	Toy Car	2020/11/23
A2020/01665	WATER TREATMENT CHEMICAL ARTEFACTS	2020/12/22
A2020/01666	WATER TREATMENT CHEMICAL ARTEFACTS	2020/12/22
A2020/01667	WATER TREATMENT CHEMICAL ARTEFACTS	2020/12/22
A2020/01704	PORRIDGE COOKER BODY	2020/12/23
A2020/01706	PORRIDGE COOKER	2020/12/23
A2020/01708	LID	2020/12/23
A2020/01709	GRAPHICAL USER INTERFACE	2020/12/23
A2021/00017	Portion of a Container Rack	2021/01/08
A2021/00069	HOPPERS	2021/02/02
A2021/00071	A PROJECTILE	2021/02/03
A2021/00076	A Part of a Disinfection Apparatus	2021/02/03
A2021/00091	Mobile Phone	2021/02/04
A2021/00092	Case for an Electronic Device	2021/02/04
A2021/00099	Tap Head	2021/02/05
A2021/00100	Tap Head	2021/02/05
A2021/00101	Tap	2021/02/05
A2021/00102	Tap	2021/02/05
A2021/00103	Tap Base	2021/02/05
A2021/00104	VEHICLE	2021/02/05
A2021/00106	Speaker	2021/02/08
A2021/00114	Band	2021/02/12
A2021/00115	Headphones	2021/02/12
A2021/00117	A GRAPHIC	2021/02/12
A2021/00118	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00119	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00120	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00121	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00122	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00123	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00124	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00125	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00126	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00127	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00128	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12

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A2021/00129	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00130	HOUSING FOR A LIGHTING BALLAST	2021/02/12
A2021/00131	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00132	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00133	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00134	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00135	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00136	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00137	LIGHT FIXTURE INCLUDING A HOUSING FOR A BALLAST	2021/02/12
A2021/00151	Cooking Pot Handle	2021/02/16
A2021/00152	Fry Pan Handle	2021/02/16
A2021/00153	Cooking Lid Handle	2021/02/16
A2021/00158	DIGITAL NOTEBOOK	2021/02/17
A2021/00160	MOVEMENT SENSOR WITH IMAGE FIXATION	2021/02/18
A2021/00164	Latching Device	2021/02/19
A2021/00168	A Tray	2021/02/22
A2021/00169	A Chicken Tray	2021/02/22
A2021/00173	Watch Bracelet	2021/02/24
A2021/00174	VEHICLE REAR BUMPER	2021/02/24
A2021/00175	VEHICLE	2021/02/24
A2021/00176	VEHICLE FRONT BUMPER	2021/02/24
A2021/00177	PUNT WITH CORK RETAINER FOR A WINE BOTTLE	2021/02/25
A2021/00178	FACETED BODY FOR A WINE BOTTLE	2021/02/25
A2021/00181	JEWELLERY SET	2021/02/25
A2021/00183	WATER TREATMENT DEVICES	2021/02/26
F2019/00805	Mounting Component	2019/06/11
F2019/01494	A SURGICAL DRAPE	2019/10/08
F2019/01517	JACKET	2019/10/10
F2019/01520	TROUSERS	2019/10/10
F2020/00057	A BARBEQUE ACCESSORY	2020/01/20
F2020/00104	FILTRATION SYSTEM	2020/01/10
F2020/00227	DRILLING TOOLS	2020/02/26
F2020/00646	DEVICE FOR TEMPERATURE CONTROL IN ROOT ZONE	2020/05/25
F2020/01378	WATER ACCUMULATION DEVICES	2020/10/21
F2020/01512	A CUTTER WHEEL	2020/11/24
F2020/01654	Oven	2020/12/21
F2020/01707	PORRIDGE COOKER	2020/12/23
F2021/00070	HOPPERS	2021/02/02

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F2021/00073	TOILET SEAT COVER DISPENSER	2021/02/03
F2021/00085	DESK	2021/02/03
F2021/00094	WALER CLAMP	2021/02/04
F2021/00109	SUPPORT LINKS FOR CONVEYOR BELTS	2021/02/09
F2021/00159	DIGITAL NOTEBOOK	2021/02/17
F2021/00165	Latching Device	2021/02/19
F2021/00170	A Tray Base	2021/02/22
F2021/00184	WATER TREATMENT DEVICES	2021/02/26