

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 2024/04/22 -

2024/03111 ~ Complete ~54:AUTONOMOUS MINING VEHICLE CONTROL ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: JASU, Jari;SIIVONEN, Lauri~33:EP ~31:21206738.3 ~32:05/11/2021

2024/03091 ~ Provisional ~54:SINGABANTU AFRIKA CONVERTING SHOPPING INTO AN INVESTMENT ~71:Vincent van As, Unit 24 Bandula Complex, 100 Mopani Road, South Africa ~72: Vincent van As~

2024/03115 ~ Complete ~54:SPACE TRUSS SUPPORT PLATFORM, SYSTEM AND METHOD FOR SUPER-DEEP SLURRY WALL ~71:CCCC THIRD HARBOR ENGINEERING CO., LTD., No.139, Pingjiang Road, Xuhui District, Shanghai, 200032, People's Republic of China;NO.3 ENGINEERING CO., LTD. OF CCCC THIRD HARBOR ENGINEERING CO., LTD., No. 3, Jiangbian Road, Gulou District Nanjing, Jiangsu, 210011, People's Republic of China ~72: JUNGUO HAN;LEI WANG;LIJUN ZHANG;PING LIU;SHENGLIN LI;TAO JIA;XIAOBIN GU;ZHONGMING YU~ 33:CN ~31:202210263536.7 ~32:17/03/2022

2024/03120 ~ Complete ~54:A HANDLING SYSTEM OF A SUBFRAME FORMING PART OF A FILTER PLATE FRAME ASSEMBLY IN A HORIZONTAL FILTER PRESS OF A TOWER TYPE, A METHOD OF PERFORMING MAINTENANCE OF SUCH SUBFRAME AND USE OF SUCH HANDLING SYSTEM ~71:METSO FINLAND OY, Rauhalanpuisto 9, Espoo, 02230, Finland ~72: ISMO JUVONEN;JANNE ERIK ANTERO KAIPAINEN;MIRVA JOHANNA MUSTAKANGAS;TEEMU PAAVALI ELORANTA~ 33:FI ~31:20216233 ~32:01/12/2021

2024/03088 ~ Provisional ~54:SYSTEM AND METHOD FOR THE SAFE KEEPING AND EXCHANGE OF VALUE ~71:CHIPS AG, Weststrasse 12, Unterägeri, Switzerland ~72: TROMP, Phillip Deon~

2024/03093 ~ Complete ~54:PHENOLSULFONPHTHALEIN COMPOUND, PREPARATION METHOD THEREFOR, AND APPLICATION THEREOF IN HAIR DYE ~71:Jilin Medical University, No. 5 Jilin Street, Fengman District, Jilin City, Jilin Province, 132013, People's Republic of China ~72: GUO, Yongxin;JIN, Lianhai;LIU, Jiaxue;LIU, Lei;WANG, Shujuan;WANG, Yangyang;WANG, Zhibing;XIU, Zhiming;YANG, Weilong;YIN, Moli~ 33:CN ~31:202311737426.0 ~32:15/12/2023

2024/03098 ~ Complete ~54:AUXILIARY TEACHING DEVICE FOR CHINESE LANGUAGE AND LITERATURE ~71:Xinyu University, No. 2666, sunshine Avenue, high tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Li Lei;Li Xuezhui;Lin Zhi;Xie Lianping~

2024/03092 ~ Provisional ~54:PRODUCTION OF STRAIGHT WIRE SECTIONS ~71:COCHRANE STEEL PRODUCTS (PTY) LTD, 125 Fitter Road, Spartan, South Africa ~72: COCHRANE, Richard Bruce~

2024/03103 ~ Complete ~54:PIPE CULVERT BLOCKAGE PREVENTING APPARATUS FOR ROAD ENGINEERING ~71:CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor,

Jiahao International Centre, 116Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China
~72: WANG, Yumei;YUAN, Renfeng;ZANG, Zhishu~ 33:CN ~31:202211230757.0 ~32:10/10/2022

2024/03116 ~ Complete ~54:ROLLER CRUSHER AND METHOD FOR OPERATION THEREOF ~71:METSO
USA INC., 275 N. Corporate Drive, Brookfield, Wisconsin, 53045, United States of America ~72: KEITH
HARBOLD;VADIM REZNITCHENKO~ 33:US ~31:17/546,215 ~32:09/12/2021

2024/03122 ~ Complete ~54:SEWAGE WASTE TREATMENT METHOD USING POLYHEXAMETHYLENE
GUANIDINE AND POLYHEXAMETHYLENE BIGUANIDE AND PRODUCTION OF BIOSOLIDS FOR
AGRICULTURAL USE ~71:ACEF S.A., Avenida Dr. Armando Salles de Oliveira n° 201, Brazil ~72: AMARAL,
Luiz Henrique;AMBROSIO, Sérgio Ricardo;ANDRADE E SILVA, Márcio Luís;CIUFFI PIRES, Katia Jorge;LOVO,
Everton;SOLA VENEZIANI, Rodrigo Cassio;TAME PARREIRA, Renato Luis~ 33:WO ~31:PCT/BR2021/050400
~32:20/09/2021

2024/03090 ~ Provisional ~54:WATER-BASED BUOYANCY CONTROL DEVICE ~71:Joshua Adrian, 40 Victoria
Street, South Africa ~72: Joshua Adrian~

2024/03096 ~ Complete ~54:SANDBLASTING SPECIALIZED V-BELT WITH WEAR-RESISTANT TOP RUBBER
AND APPLICATION THEREOF ~71:Zhejiang Fenfei Rubber & Plastic Products Co., Ltd., No.8 Xiangyun Road,
Haiyou Street, Sanmen County, Taizhou City, Zhejiang Province, People's Republic of China ~72: Houfu Jiang~
33:CN ~31:2023114956363 ~32:10/11/2023

2024/03102 ~ Complete ~54:SPREADER DEVICE FOR INTEGRAL LIFTING ~71:China Railway 24th Bureau
Group Bridge and Construction Co., Ltd., Building B, Zhongzhi Information Building, No. 414 Yuhushan Avenue,
Xinjian District, Nanchang City, Jiangxi Province, People's Republic of China;China Railway 24th Bureau Group
Corporation Limited, No. 8 Handan Road, Yangpu District, Shanghai, People's Republic of China ~72: Fengfeng
Han;Jintao Liang;Peng Tan;Shutai Zhu;Weiping Yang;Wenjun Sun;Wenling Hu;Xiaohu Duan~

2024/03105 ~ Complete ~54:SYSTEMS AND METHODS FOR PRODUCING HEMP EXTRACTS AND
COMPOSITIONS ~71:ECOFIBRE USA INC., 190 Corporate Boulevard, United States of America ~72: JONES,
Aaron;LASSLEY, Lora;NANCE, Alex;RIS, Geoff D.;RYAN, John~ 33:US ~31:63/263,026 ~32:26/10/2021

2024/03119 ~ Complete ~54:PROLYL HYDROXYLASE DOMAIN-CONTAINING PROTEIN (PHD) INHIBITORS
AND USES THEREOF ~71:INSILICO MEDICINE IP LIMITED, 26th Floor, Three Exchange Square, 8 Connaught
Place, Central Hong Kong, People's Republic of China ~72: FENG REN;JIANYU XU;LIENA QIN;XIAO DING~
33:CN ~31:PCT/CN2021/127023 ~32:28/10/2021;33:CN ~31:PCT/CN2022/112270 ~32:12/08/2022

2024/03106 ~ Complete ~54:METHODS OF TREATING ENDOMETRIOSIS AND OTHER NON-CANCER
GYNECOLOGICAL ~71:ECOFIBRE USA INC., 190 Corporate Boulevard, United States of America;THE
UNIVERSITY OF NEWCASTLE, University Drive, Australia ~72: CAPANO, Alexandra M;NANCE, Alex;TANWAR,
Pradeep Singh~ 33:US ~31:63/263,020 ~32:26/10/2021;33:US ~31:63/263,022 ~32:26/10/2021;33:US
~31:63/263,026 ~32:26/10/2021

2024/03109 ~ Complete ~54:POLYPROPYLENE BASED HOT MELT ADHESIVE COMPOSITIONS ~71:Organik
Kimya San. ve Tic. A.S., Organik Building, Mimar sinan mahallesi, Cendere Yolu No: 146,
KEMERBURGAZ/EYUP 34075, INSTABUL, TURKEY, Turkey ~72: ALPTOGA, Özge;ÖNEN, Ali~ 33:EP
~31:22193363.3 ~32:01/09/2022

2024/03110 ~ Complete ~54:PRESERVED FORMULATIONS ~71:Eli Lilly and Company, Lilly Corporate Center,
INDIANAPOLIS 46285, IN, USA, United States of America ~72: ALLEN, David Paul;BEALS, John

Michael;CORVARI, Vincent John;DONOVAN, Patrick Daniel;QIAN, Ken Kangyi;WANG, Wei~ 33:US
~31:63/279,390 ~32:15/11/2021

2024/03121 ~ Complete ~54:APPARATUS AND METHOD FOR STYLING HAIR ~71:JEMELLA LIMITED, 82
Dean Street, London, W1D 3SP, United Kingdom ~72: ABBASI GANDHI;AZIZ TOKGOZ;LIAM HENRY
WRIGHT;MICHAEL WEIGEL;RAJA KHAN;ROBERT ALEXANDER WEATHERLY;STEFAN FLICK~ 33:GB
~31:2115266.5 ~32:22/10/2021

2024/03104 ~ Complete ~54:PHARMACEUTICAL FORMULATION COMPRISING TACROLIMUS, METHOD
FOR THE PREPARATION THEREOF AND USE ~71:PHARMATHEN S.A., 6 DERVENAKION STREET, 15351
PALLINI ATTIKIS, GREECE, Greece ~72: BRIEUEDES, Vincent;CHAITIDOU, Sotiria;KALANTZI, Lida;KALEZI,
Artemis;KARAVAS, Evangelos;KATSENIS, Athanasios;KOTTI, Katerina;KOUTRIS, Efthymios;LEMONAKIS,
Nikos;PAPADAKI, Anna~ 33:GR ~31:20210100639 ~32:27/09/2021;33:GB ~31:2116138.5 ~32:10/11/2021

2024/03108 ~ Complete ~54:A METHOD OF ADJUSTING OXOACIDITY ~71:Seaborg ApS, Titangade 11,
COPENHAGEN N. 2200, DENMARK, Denmark ~72: AMPHLETT, James;BHATTACHARYA, Biyash;COOPER,
Daniel John;LØVSHALL-JENSEN, Ask Emil;SEYEDI, Mahla;SILVIOLI, Luca~ 33:EP ~31:21201498.9
~32:07/10/2021

2024/03112 ~ Complete ~54:4H-IMIDAZO[1,5-B]PYRAZOLE DERIVATIVES FOR DIAGNOSIS ~71:AC Immune
SA, EPFL Innovation Park, Building B, LAUSANNE 1015, SWITZERLAND, Switzerland ~72: MOLETTE, Jérôme~
33:EP ~31:21207613.7 ~32:10/11/2021

2024/03114 ~ Complete ~54:SPECIFIC BINDING MOLECULES FOR FIBROBLAST ACTIVATION PROTEIN
(FAP) ~71:NAVIGO PROTEINS GMBH, Heinrich Damerow Str. 1, 06120, Halle/Saale, Germany ~72: ANJA
KATZSCHMANN;EVA BOSSE-DOENECKE;HANNA BOBOLOWSKI;HEIKE BOECKER;INA
COBURGER;JONATHAN LOTZE;MANJA GLOSER-BRAEUNIG~ 33:EP ~31:21211160.3
~32:29/11/2021;33:EP ~31:22156353.9 ~32:11/02/2022

2024/03113 ~ Complete ~54:IRAK4 DEGRADERS AND SYNTHESIS THEREOF ~71:Kymera Therapeutics, Inc.,
500 North Beacon Street, 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: LEONG,
William;WILSON, Dharyl Charles~ 33:US ~31:63/263,274 ~32:29/10/2021

2024/03099 ~ Complete ~54:INTELLIGENT UNDERWEAR SERVICE SYSTEM AND METHOD FOR OLDER
PERSONS ~71:Yiwu Industrial & Commercial College, No. 2 Xueyuan Road, Yiwu City, Zhejiang Province,
322000, People's Republic of China ~72: Hong Wenjin;Li Guohua;Miao Yu;Zhang Binjie~

2024/03100 ~ Complete ~54:A SYSTEM FOR TRANSFER LEARNING-BASED SKIN CANCER DIAGNOSIS
AND CLASSIFICATION ~71:ARSHIYA BEGUM, College of Computer Science, King Khalid University, Abha,
61421, Saudi Arabia;ASFIA SABAHATH, College of Computer Science, King Khalid University, Abha, 61421,
Saudi Arabia;JAYA SHANKER TEDLA, Department of Medical Rehabilitation Sciences, King Khalid University,
Abha, 61421, Saudi Arabia;NITHYA REKHA SIVAKUMAR, Department of Computer Sciences, Princess Nourah
Bint Abdulrahman University, Riyadh, 11671, Saudi Arabia;PRASANALAKSHMI BALAJI, College of Computer
Science, King Khalid University, Abha, 61421, Saudi Arabia;SARAVANA BALAJI BALASUBRAMANIAN,
Department of Business Data Analytics, De Montfort University Kazakhstan, Almaty, 050044, Kazakhstan;SYEDA
MERAJ BILFAQIH, College of Computer Science, King Khalid University, Abha, 61421, Saudi Arabia ~72:
ARSHIYA BEGUM;ASFIA SABAHATH;JAYA SHANKER TEDLA;NITHYA REKHA
SIVAKUMAR;PRASANALAKSHMI BALAJI;SARAVANA BALAJI BALASUBRAMANIAN;SYEDA MERAJ
BILFAQIH~

2024/03094 ~ Complete ~54:METHOD FOR THINNING FLOWERS AND FRUITS OF APPLE TREES BY USING CHEMICAL AGENTS ~71:Shandong Institute of Pomology, No.66 Longtan Road, Tai'an City, Shandong Province, People's Republic of China ~72: CONG Peijian;JIANG Zhenying;WANG Huaijin;WANG Laiping;WANG Qinghua;XUE Xiaomin~

2024/03097 ~ Complete ~54:PRETREATMENT PRODUCTION LINE FOR RESOURCE UTILIZATION OF MECHANIZED RECYCLED RESIDUAL FILMS IN COTTON FIELDS ~71:Shihezi University, No. 221 Beisi Road, Shihezi City, Xinjiang, 832003, People's Republic of China;Xinjiang Zhongnongxinyuan Agricultural Technology Co., Ltd., Kechuang Building, No. 8 Dalian West Road, Beiquan Town, Shihezi City, Xinjiang, 832003, People's Republic of China ~72: FENG, Zhen;HUANG, Tiancai;KAN, Za;LI, Jiali;MENG, Hwei;YAN, Weizhe;YAN, Yiqi;YANG, Chongke;ZHANG, Bingcheng~

2024/03101 ~ Complete ~54:ANTIVIRAL PRODRUGS AND NANOFORMULATIONS THEREOF ~71:BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA, Varner Hall, 3835 Holdrege Street, Lincoln, Nebraska, 68583-0745, United States of America ~72: BENSON EDAGWA;HOWARD E GENDELMAN~ 33:US ~31:62/748,798 ~32:22/10/2018

2024/03107 ~ Complete ~54:BIODEGRADABLE LAMINATING FILM AND CONTAINER MADE OUT OF IT ~71:Société des Produits Nestlé S.A., Av. Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: CROISIER, Emmanuel;DOLEAC, Frédéric;NORDQVIST, David~ 33:EP ~31:21199291.2 ~32:28/09/2021

2024/03089 ~ Provisional ~54:A SECURING ARRANGEMENT ~71:BRENKMAN, Helena, Elizabeth, NR 4 DOROTHEA AVENUE, KAMEELDRIFT WES, 0068 PRETORIA, SOUTH AFRICA, South Africa ~72: BRENKMAN, Barend, Jakobus~

2024/03095 ~ Complete ~54:HIGH-TEMPERATURE-RESISTANT ARAMID FABRIC CORE CONVEYOR BELT ~71:Zhejiang Fenfei Rubber & Plastic Products Co., Ltd., No.8 Xiangyun Road, Haiyou Street, Sanmen County, Taizhou City, Zhejiang Province, People's Republic of China ~72: Bohua Liu;Junhan Yu;Yuanbin Wu~ 33:CN ~31:2023112513657 ~32:26/09/2023

2024/03117 ~ Complete ~54:METHIONINE ADENOSYLTRANSFERASE 2A (MAT2A) INHIBITORS AND USES THEREOF ~71:INSILICO MEDICINE IP LIMITED, 26th Floor, Three Exchange Square, 8 Connaught Place, Central Hong Kong, People's Republic of China ~72: CHIACHUN CHEN;FENG REN;HAILONG WANG;QINGYUAN MENG;XIAO DING;XIAOSONG LIU~ 33:CN ~31:PCT/CN2021/125035 ~32:20/10/2021;33:CN ~31:PCT/CN2022/116510 ~32:01/09/2022

2024/03118 ~ Complete ~54:DEMINERALISATION OF ORGANIC TISSUE ~71:MARINE BIOENERGY AS, Skaganeset 5382, Skogsvåg, Norway ~72: ANDREW CHARLES DUSTAN;ARNSTEIN HAUGEN;BJØRN LIASET;EIRIK ELJE;KJARTAN SANDNES;TORSTEIN FRANTZEN~ 33:GB ~31:2115923.1 ~32:05/11/2021

- APPLIED ON 2024/04/23 -

2024/03129 ~ Complete ~54:BEAM STEERING-SWITCHING ARRAY ~71:Dr. Mrs. Kalyani R. Joshi, PES's Modern College of Engineering, 186/A, Off J.M. Road, Shivajinagar, Modern Engineering College Rd, Shivajinagar, Pune, MAHARASHTRA, 411005, India;Dr. Mrs. Manasi S. Kanitkar, PES's Modern College of Engineering, 186/A, Off J.M. Road, Shivajinagar, Modern Engineering College Rd, Shivajinagar, Pune, MAHARASHTRA, 411005, India;Dr. Mrs. Vidya P. Kodgirwar, PES's Modern College of Engineering, 186/A, Off J.M. Road, Shivajinagar, Modern Engineering College Rd, Shivajinagar, Pune, MAHARASHTRA, 411005, India;Dr. Shankar B. Deosarkar, Dr. Babasaheb Ambedkar Technological University, Lonere, MAHARASHTRA, 402103, India ~72: Dr. Mrs. Kalyani R. Joshi;Dr. Mrs. Manasi S. Kanitkar;Dr. Mrs. Vidya P. Kodgirwar;Dr. Shankar B. Deosarkar~

2024/03145 ~ Complete ~54:RADAR SYSTEM FOR TRAFFIC DYNAMIC TARGET DETECTION BASED ON TDM-MIMO ~71:TECH TRAFFIC ENGINEERING GROUP CO., LTD., 8F HaiTai Building, NO.229 Middle of North 4th Ring Road, Haidian District, People's Republic of China;XIDIAN UNIVERSITY, No. 2 Taibai South Road, Yanta District, Xi'an, People's Republic of China ~72: LIU, Yonghong;PENG, Min;QIN, Zihao;TAN, Xiaogang;YAN, Zihang;YANG, Kai;ZHANG, Wei;ZHANG, Zhihong;ZHAO, Jing~ 33:CN ~31:202310854914.3 ~32:12/07/2023

2024/03157 ~ Complete ~54:HYDRATABLE CONCENTRATED SURFACTANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANELIYA NIKOLOVA ZDRAVKOVA;NICHOLAS WEBB~ 33:EP ~31:21211174.4 ~32:29/11/2021

2024/03161 ~ Complete ~54:HYDRATABLE CONCENTRATED SURFACTANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANELIYA NIKOLOVA ZDRAVKOVA;NICHOLAS WEBB~ 33:EP ~31:21211174.4 ~32:29/11/2021

2024/03144 ~ Complete ~54:NOVEL BENZYLTRYPTAMINE COMPOUNDS ~71:REUNION NEUROSCIENCE, INC., 1 High Street Court Morristown, United States of America ~72: BRYSON, Nathan~ 33:US ~31:63/273,720 ~32:29/10/2021;33:US ~31:63/334,443 ~32:25/04/2022

2024/03151 ~ Complete ~54:COMPOSITION AND METHOD FOR INHIBITING EXPRESSION OF HEPATITIS B VIRUS (HBV) PROTEIN ~71:Shanghai Argo Biopharmaceutical Co., Ltd., 337 Shahe Road, J2026, Room 1_203, Jiangqiao Town, Jiading District, SHANGHAI 201803, CHINA (P.R.C.), People's Republic of China ~72: SHAO, Pengcheng Patrick;SHU, Dongxu~ 33:IB ~31:2021/133837 ~32:29/11/2021

2024/03155 ~ Complete ~54:SANDWICH PLATE ELEMENT CONNECTION SYSTEM AND METHOD FOR CONNECTING SANDWICH PLATE ELEMENTS ~71:LUVLY AB, Ludgo kvarn Aspabacken 1, 611 91, Nyköping, Sweden ~72: LUTZ HÅKAN GLANTON~ 33:EP ~31:21202797.3 ~32:15/10/2021

2024/03125 ~ Complete ~54:LOGISTICS TRANSPORTATION COLLISION AVOIDANCE METHOD FOR X-RAY INSPECTION ~71:Chongqing Unicomp Technology Co., Ltd., (Factory Building 1) No. 23, Fushun Blvd, Biquan Street, Bishan District, Chongqing, 402760, People's Republic of China ~72: CHENG, Shugang;LIU, Bin;LIU, Jun;YE, Junchao~ 33:CN ~31:202310583796.7 ~32:23/05/2023

2024/03162 ~ Complete ~54:HYDRATABLE CONCENTRATED SURFACTANT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANELIYA NIKOLOVA ZDRAVKOVA;NICHOLAS WEBB~ 33:EP ~31:21211171.0 ~32:29/11/2021

2024/03159 ~ Complete ~54:SKIN CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: XUELAN GU~ 33:CN ~31:PCT/CN2021/130878 ~32:16/11/2021;33:EP ~31:22151254.4 ~32:13/01/2022

2024/03141 ~ Complete ~54:HYBRID POWER SYSTEM FOR BRIDGE ERECTING MACHINE ~71:China Railway 24th Bureau Group Bridge and Construction Co., Ltd., Building B, Zhongzhi Information Building, No. 414 Yuhushan Avenue, Xinjian District, Nanchang City, Jiangxi Province, People's Republic of China;China Railway 24th Bureau Group Corporation Limited, No. 8 Handan Road, Yangpu District, Shanghai, People's Republic of China ~72: Fengfeng Han;Jintao Liang;Peng Tan;Shutai Zhu;Weiping Yang;Wenjun Sun;Wenling Hu;Xiaohu Duan~ 33:CN ~31:2023118161064 ~32:27/12/2023

2024/03149 ~ Complete ~54:DOSAGE FORMS FOR THE DELIVERY OF A PROBIOTIC ~71:Johnson & Johnson Consumer Inc., 199 Grandview Road, SKILLMAN 08558, NJ, USA, United States of America ~72: BESINGI,

Richard;GEONNOTTI III , Anthony R.;GOLAS, Patricia L.;PILLAI, Shoba~ 33:US ~31:63/261,581
~32:24/09/2021;33:US ~31:17/933,174 ~32:19/09/2022

2024/03150 ~ Complete ~54:CHEMICAL DISPENSERS FOR PROLONGED WATER TREATMENT
~71:Innovative Water Care, LLC, 1400 Bluegrass Lakes Parkway, ALPHARETTA 30004, GA, USA, United States
of America ~72: ROWHANI, Touraj~ 33:US ~31:63/248,084 ~32:24/09/2021

2024/03130 ~ Complete ~54:TEST DEVICE FOR MONITORING EVOLUTION MODEL OF OVERLYING
STRATA MOVEMENT IN STOPE WITH VARIABLE FACE LENGTH ~71:Anhui University of Science and
Technology, Tianjia'an District, Huainan City, Anhui Province, People's Republic of China;East China University of
Technology, 56 Xuefu Road, Linchuan District, Fuzhou City, Jiangxi Province, People's Republic of
China;Xiangtan University, Xijiao, Xiangtan City, Hunan Province, People's Republic of China ~72: HAO
Fuxu;JIANG Tian;WANG Jinmiao;WANG Long;WANG Xinfeng;XIE Chengyu;XU Haofu;ZHA Wenhua;ZHANG
Xiaoqiang;ZHU Chuanqi~

2024/03133 ~ Complete ~54:A HIGH-ENTROPY YIG FERRITE WITH HIGH SATURATION MAGNETIZATION
AND ITS PREPARATION METHOD ~71:Taiyuan University of Technology, No.79 Yingze West Street, Taiyuan
city, Shanxi province, 030000, People's Republic of China ~72: Wenyi LI;Xiaomin WANG;Yang MIAO;Yongzhen
WANG~ 33:CN ~31:2023106028724 ~32:26/05/2023

2024/03146 ~ Complete ~54:BEVERAGE OR FOODSTUFF CONTAINER AND PREPARATION SYSTEM
~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72:
GERBER, Gilles;PAVAN, Chiara~ 33:EP ~31:21200314.9 ~32:30/09/2021;33:EP ~31:21200316.4
~32:30/09/2021;33:EP ~31:21200320.6 ~32:30/09/2021

2024/03153 ~ Complete ~54:A TRANSACTION SYSTEM AND METHOD ~71:HONEYWELL, Sean William, 161
Falcon Crescent, Brettenwood Coastal Estate, Sheffield Beach Main Road, Sheffield Beach, Durban 4390,
SOUTH AFRICA, South Africa ~72: HONEYWELL, Sean William~ 33:NL ~31:2028536 ~32:24/06/2021;33:US
~31:63/214,440 ~32:24/06/2021;33:ZA ~31:2021/04342 ~32:24/06/2021

2024/03140 ~ Complete ~54:DEVICE FOR CAPTURING CARBON DIOXIDE FOR CARBON DIOXIDE
DISSOLVED MINERALS ~71:Nantong Institute of Technology, NIT OF NO.211, YONGXING
ROAD.CHONGCHUAN DISTRICT, NANTONG CITY, JIANGSU PROVINCE, 226001, People's Republic of China
~72: Wang Zhiguo~

2024/03142 ~ Complete ~54:COMPOSITION AND METHOD FOR INHIBITING ANGIOTENSINOGEN (AGT)
PROTEIN EXPRESSION ~71:SHANGHAI ARGO BIOPHARMACEUTICAL CO., LTD., 337 Shahe Road, J2026
Room 1_203, People's Republic of China ~72: SHAO, Pengcheng Patrick;SHU, Dongxu~ 33:CN
~31:PCT/CN2021/130832 ~32:16/11/2021;33:CN ~31:PCT/CN2022/081578 ~32:18/03/2022

2024/03152 ~ Complete ~54:ROTOR FOR A VERTICAL AXIS TURBINE AND VERTICAL AXIS TURBINE
~71:BLOWN B.V., Spinnaker 21, 4697EN, Netherlands ~72: CARON, Eric Gerardus Maria;VAN OEVEREN,
Maarten Cornelis~ 33:NL ~31:2029458 ~32:18/10/2021

2024/03156 ~ Complete ~54:DNA CONSTRUCTS AND HOST CELLS FOR EXPRESSING RECOMBINANT
PROTEIN ~71:XBRANE BIOPHARMA AB, Retzius väg 8, 171 65 Solna, Sweden ~72: DANIEL CHUI;DAVID
VIKSTRÖM;KARIN STEFANSSON;KATHLEEN SZEKÉR;KIAVASH MIRZADEH;KRISTIN STRANDBERG;MARIA
KADOW;MARIUSZ BARASZKIEWICZ;NURZIAN ISMAIL;PATRIK SAMUELSON;PER EDEBRINK;SANTHOSH
GUDISE;TAGRID SALIH~ 33:SE ~31:2130258-3 ~32:24/09/2021;33:SE ~31:2130259-1 ~32:24/09/2021;33:SE
~31:2130261-7 ~32:24/09/2021;33:SE ~31:2130263-3 ~32:24/09/2021;33:SE ~31:2130264-1
~32:24/09/2021;33:SE ~31:2130265-8 ~32:24/09/2021

2024/03136 ~ Complete ~54:A MOBILE GEOLOGICAL EXPLORATION DEVICE FOR MINERAL PROSPECTING ~71:Kunming Metallurgy College, 388 Xuefu Road, Wuhua District, Kunming City, Yunnan Province, 650000, People's Republic of China ~72: Guowen Jiang;Hanping Zhang;Jinliang Zhang;Qi Nie;Wei Wu;Xiaoyan Zeng;Yiming Wen;Yong Cheng;Yufeng Guo;Zhixian Zhong~

2024/03139 ~ Complete ~54:A METHOD FOR MEASURING METHANE ADSORPTION CAPACITY OF COAL SAMPLES USING LOW FIELD NUCLEAR MAGNETIC RESONANCE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: Chiyuan Liu;Fangchao Lu;Jingjing Liu;Junli Jia;Junwei Zhang;Quan Ma;Sheng Liu;Yifang Wang;Yiju Tang~

2024/03148 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GERBER, Gilles;PAVAN, Chiara~ 33:EP ~31:21200323.0 ~32:30/09/2021

2024/03160 ~ Complete ~54:CLOSING CAP FOR A CONTAINER ~71:SACMI COOPERATIVA MECCANICI IMOLA SOCIETÀ COOPERATIVA, Via Selice Provinciale 17/A, 40026, Imola (Bologna), Italy ~72: ALESSANDRO FALZONI;VITTORIO BASSI~ 33:IT ~31:102021000028385 ~32:08/11/2021

2024/03132 ~ Complete ~54:AN ECONOMIC AND EFFICIENT METHOD FOR DECOMPOSING ORGANIC DISPOSALS ~71:Dr. Basavaraju Bennehalli, Professor, Department of Chemistry, MVJ College of Engineering, Near ITPB, Channasandra, Bengaluru, Karnataka, 560067, India;Dr. Budigi Lokesh, Assistant Professor, Department of Chemistry, MVJ College of Engineering, Near ITPB, Channasandra, Bengaluru, Karnataka, 560067, India;Dr. Chandrasekaran Raghuraman, Associate Professor, Department of Civil Engineering, MVJ College of Engineering, Near ITPB, Channasandra, Bengaluru, Karnataka, 560067, India;Dr. Mohan Reddy Ramappa, Assistant Professor, Department of Chemistry, B. M. S. College of Engineering, Bull Temple Road, Bangalore, Karnataka, 560019, India;Dr. Ravi Kumar Chandrappa, Assistant professor, Department of Chemistry, Alva's Institute of Engineering & Technology, Mijar, Moodbidri, Dakshina Kannada, Karnataka, 574225, India;Dr. Sakshi Shantharam Kamath, Senior Assistant Professor, Department of Chemistry, Alva's Institute of Engineering & Technology, Mijar, Moodbidri, Dakshina Kannada, Karnataka, 574225, India;Dr. Sunil Basavaraju, Assistant Professor, Department of Mechanical Engineering, Siddaganga Institute of Technology, BH Road, Tumakuru, Karnataka, 572103, India;Dr. Swetha Madamala, Assistant Professor, Department of Chemistry, MVJ College of Engineering, Near ITPB, Channasandra, Bengaluru, Karnataka, 560067, India ~72: Dr. Basavaraju Bennehalli;Dr. Budigi Lokesh;Dr. Chandrasekaran Raghuraman;Dr. Mohan Reddy Ramappa;Dr. Ravi Kumar Chandrappa;Dr. Sakshi Shantharam Kamath;Dr. Sunil Basavaraju;Dr. Swetha Madamala~

2024/03135 ~ Complete ~54:A BLADDER CANCER DETECTION KIT AND DETECTION METHOD ~71:QINGDAO RUISIDE MEDICAL LABORATORY CO., LTD., 3F, Building 7, Incubation Center, Qingdao Blue Biological Medicine Industrial Park, NO. 368 Hedong Road, High-tech Zone, Qingdao City, People's Republic of China ~72: CHEN, Mengmeng;CHENG, Ying;HAN, Lihui;LIU, He;LUAN, Yansong;SUN, Jing;SUN, Yundong;YU, Junmei;ZHANG, Bingqiang;ZHOU, Yang~ 33:CN ~31:2023113284496 ~32:13/10/2023

2024/03158 ~ Complete ~54:COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANTHEA BLACKBURN;CHARLOTTE WILLIAMS;JEREMY NICHOLAS WINTER;MARTIN CHARLES CROSSMAN;MICHAEL KEMBER~ 33:GB ~31:2115335.8 ~32:25/10/2021

2024/03127 ~ Complete ~54:A HIGH-DIELECTRIC ALUMINUM-DOPED PEROVSKITE STRUCTURE HIGH-ENTROPY MICROWAVE DIELECTRIC CERAMIC AND ITS PREPARATION METHOD ~71:Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72:

Bo LI;Chao MA;Feng GAO;Qingfeng ZHANG;Ruixin HAO;Yang MIAO~ 33:CN ~31:2023111686517
~32:12/09/2023

2024/03123 ~ Provisional ~54:SELF-CHARGING SYSTEM FOR ELECTRIC VEHICLES WHILE BEING DRIVEN
~71:Roberto Olwage de Vries, 3 Astrovilla, Calderbank Avenue, South Africa ~72: Henro de Vries;Roberto
Olwage de Vries;Rouxan de Vries~ 33:ZA ~31:5 ~32:22/04/2024

2024/03124 ~ Complete ~54:MICA ANTIBODY WITH AFFINITY MATURATION AND USE THEREOF ~71:HEFEI
TG IMMUNOPHARMA CO., LTD., Room#2001, Building 1#C, Hefei innovation and entrepreneurship park, 268
Furong Road, Jingkai District, Hefei, People's Republic of China ~72: CAO, Guoshuai;CHENG, Ying;LI,
Yangyang;WU, Yuwei~ 33:CN ~31:202310509684.7 ~32:06/05/2023

2024/03128 ~ Complete ~54:FREQUENCY RECONFIGURABLE ANTENNA ~71:Dr. Mrs. Kalyani R. Joshi, PES's
Modern College of Engineering, 1186/A, Off J.M. Road, Shivaji nagar, Modern Engineering College Rd,
Shivajinagar, Pune, MAHARASHTRA, 411005, India;Dr. Mrs. Manasi S. Kanitkar, PES's Modern College of
Engineering, 1186/A, Off J.M. Road, Shivaji nagar, Modern Engineering College Rd, Shivajinagar, Pune,
MAHARASHTRA, 411005, India;Dr. Mrs. Vidya P. Kodgirwar, PES's Modern College of Engineering, 1186/A, Off
J.M. Road, Shivaji nagar, Modern Engineering College Rd, Shivajinagar, Pune, MAHARASHTRA, 411005,
India;Dr. Shankar B. Deosarkar, Dr. Babasaheb Ambedkar Technological University, Lonere, MAHARASHTRA,
402103, India ~72: Dr. Mrs. Kalyani R. Joshi;Dr. Mrs. Manasi S. Kanitkar;Dr. Mrs. Vidya P. Kodgirwar;Dr. Shankar
B. Deosarkar~

2024/03126 ~ Complete ~54:SYSTEM AND METHOD FOR TRANSLATING ENGLISH TEXT INTO INDIAN SIGN
LANGUAGE (ISL) GESTURES ~71:Dr. Mousami Turuk, Pune Institute Of Computer Technology (PICT) College,
Survey No. 27, Near, Trimurti Chowk, Bharati Vidyapeeth Campus, Dhankawadi, Pune, Maharashtra, At
Shreerang Heights, Flat No.16, Near Katraj Dairy, Pune, Pune, MAHARASHTRA, 411043, India;Dr. R.
Sreemathy, Pune Institute Of Computer Technology (PICT) College, Survey No. 27, Near, Trimurti Chowk,
Bharati Vidyapeeth Campus, Dhankawadi, Pune, Also Residing At F1 Manmohan Park, Opposite
Chintamaninagar, Bibwewadi-Pune, Pune, MAHARASHTRA, 411043, India ~72: Dr. Mousami Turuk;Dr. R.
Sreemathy;Mr. Mandar Remane;Mr. Pranav Indalkar~

2024/03131 ~ Complete ~54:A PANDA BEHAVIOR RECOGNITION SYSTEM INTEGRATING OCCLUSION
FACTORS AND TOPOLOGICAL RELATIONS ~71:Institute of Forest Resource Information Techniques CAF,
No.1 Yard, Dongxiaofu, Haidian District, Beijing, 100091, People's Republic of China ~72: Huaqing ZHANG;Jing
ZHANG;Tingdong YANG;Xian JIANG;Yan CHEN~

2024/03134 ~ Complete ~54:METHOD FOR DETERMINING CONTENT OF CHEMICAL COMPONENTS OF
CHUANXIONG TEA TIAOSAN BY USING FINGERPRINT ~71:Institute of Chinese Materia Medica, China
Academy of Chinese Medical Sciences, No. 16, Nanxiaojie, within Dongzhimen, Dongcheng District, Beijing,
People's Republic of China ~72: JIA Zhe;SONG Yanan;WANG Guoyou;WANG Yun;ZHANG Cun;ZHANG Xue~

2024/03138 ~ Complete ~54:A SYSTEM FOR MONITORING THE EXTRACTION HEIGHT AND MATERIAL
VOLUME OF MINING MACHINERY ~71:Kunming Metallurgy College, 388 Xuefu Road, Wuhua District, Kunming
City, Yunnan Province, 650000, People's Republic of China;Yunnan Decheng Planning and Design Co., Ltd., No.
1507-1509, Building A, Block M1-4 (Hecheng International Research and Development Center) , High-tech Zone,
Kunming City, Yunnan Province, 650503, People's Republic of China ~72: Dongliang An;Jianbo Xia;Jifei Lin;Ping
Lu;Qi Nie;Shicheng Zhao;Xiaoyan Zeng;Yiming Wen;Yong Cheng;Yuan Gong;Zhi Ma;Zhipeng Ma~

2024/03137 ~ Complete ~54:AN INTELLIGENT SAMPLING DEVICE FOR MINING AND GEOLOGICAL
EXPLORATION ~71:Kunming Metallurgy College, 388 Xuefu Road, Wuhua District, Kunming City, Yunnan

Province, 650000, People's Republic of China ~72: Jifei Lin;Leishu Tan;Long Jian;Ping Lu;Qi Nie;Xiaoyan Zeng;Yiming Wen;Yong Cheng;Zhi Ma~

2024/03143 ~ Complete ~54:"SHOCK ABSORBER FOR A DOWNHOLE TOOL, AND RUNNING GEAR FOR DOWNHOLE SURVEYING" ~71:REFLEX INSTRUMENTS ASIA PACIFIC PTY LTD, 216 Balcatta Road, Western Australia, Australia ~72: JAVORKA, Marian;MOKARAMIAN, Amir;REILLY, James Barry~ 33:AU ~31:2021903774 ~32:23/11/2021

2024/03147 ~ Complete ~54:BEVERAGE OR FOODSTUFF PREPARATION SYSTEM ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: GERBER, Gilles;PAVAN, Chiara~ 33:EP ~31:21200320.6 ~32:30/09/2021

2024/03154 ~ Complete ~54:ENCLOSURE FOR MOUNTING AN EXTINGUISHING DEVICE OF A FIREFIGHTING SYSTEM, MOUNTING DEVICE, AND METHOD FOR MOUNTING AN EXTINGUISHING DEVICE OF A FIREFIGHTING SYSTEM ~71:HENCO INDUSTRIES, NAAMLOZE VENNOOTSCHAP, Toekomstlaan 27, 2200, Herentals, Belgium ~72: ROBERTUS VAN RIJN;WOUTER LENAERTS~ 33:DE ~31:10 2021 128 849.5 ~32:05/11/2021

2024/03293 ~ Provisional ~54:GASIFIER AND CATALYST ~71:Hermanus Christoffel Petrus Human, 10a Clifford Road, Chanclyff,, South Africa ~72: Hermanus Christoffel Petrus Human;Jan Petrus Human~

- APPLIED ON 2024/04/24 -

2024/03190 ~ Complete ~54:A PROCESS OF PREPARING AN AGROCHEMICAL OIL DISPERSION AND PRODUCT THEREOF ~71:UPL Limited, UPL House, 610 B/2, Bandra Village, Off Western Express Highway, Bandra-East, MUMBAI 400 051, MAHARASHTRA, INDIA, India ~72: SAPKALE, Pradeep Shamrao;SHARMA, Shiv Kumar;SHIRSAT, Rajan Ramakant~ 33:IN ~31:202121044003 ~32:28/09/2021

2024/03171 ~ Complete ~54:COMPUTING SYSTEM AND METHOD FOR IN-PERSON DISPENSING OF PRODUCTS ~71:180 DEGREES MARKETING (PTY) LTD, Corner Searle and Pontac Streets, South Africa ~72: ANDRÉ, David Ellis;MATHIESEN, Brian Arthur~

2024/03174 ~ Complete ~54:SET CONTROL COMPOSITION FOR CEMENTITIOUS SYSTEMS ~71:CONSTRUCTION RESEARCH & TECHNOLOGY GMBH, DR.- ALBERT-FRANK- STRASSE 32, TROSTBERG 83308, GERMANY, Germany ~72: BANDIERA, Massimo;FARRA, Ramzi;HIMMELEIN, Sabine;KLEIN, Matthias;LORENZ, Klaus;SACHSENHAUSER, Bernhard;SCHWESIG, Peter;WELDERT, Kai, Steffen~ 33:EP ~31:21199920.6 ~32:29/09/2021

2024/03181 ~ Complete ~54:FEED ADDITIVE COMPOSITIONS AND METHODS FOR USING THE SAME ~71:INTERNATIONAL N&H DENMARK APS, Parallelvej 16 DK-2800 Kongens Lyngby, Denmark ~72: ADAM ROSENTHAL;ALEXANDER BEKELE-YITBAREK;CHARLOTTE HORSMANS POULSEN;GERDA SAXER QUANCE;JEFFREY MEISCH;KIRSTY GIBBS;MARION BERNARDEAU;MELANIE BRENNAN;MICHAEL PERRY~ 33:US ~31:63/248,657 ~32:27/09/2021;33:US ~31:63/248,668 ~32:27/09/2021;33:US ~31:63/397,189 ~32:11/08/2022

2024/03169 ~ Complete ~54:MICRO-REACTION EQUIPMENT ~71:OUSHISHENG (BEIJING) TECHNOLOGY CO., LTD., 101-1012, 1st Floor, Building 3, No. 103 Beiqing Road, People's Republic of China ~72: LU, Zhenyu;WANG, Daming;YANG, Guoxin~ 33:CN ~31:2023104470842 ~32:24/04/2023

2024/03189 ~ Complete ~54:AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BURGESS, Jonathan Neil;ENGLAND, Will;MOLLISON-BALL, Lois;THOMAS, Michael~ 33:GB ~31:2115369.7 ~32:26/10/2021

2024/03193 ~ Complete ~54:AUTHENTICATING A DEVICE ~71:DABCO LIMITED, Vodafone House, The Connection, United Kingdom ~72: POSCHKE, Nils~ 33:GB ~31:2115815.9 ~32:03/11/2021

2024/03192 ~ Complete ~54:METHOD FOR MANUFACTURING EXHAUST GAS PURIFICATION CATALYST DEVICE ~71:Cataler Corporation, 7800, Chihama, KAKEGAWA-SHI 4371492, SHIZUOKA, JAPAN, Japan ~72: KAWARASAKI, Yuji;MIZOGUCHI, Kazuhiro;OGA, Koji;OKADA, Hiroki;SUZUKI, Hitomi~ 33:JP ~31:2021-189145 ~32:22/11/2021

2024/03163 ~ Complete ~54:COLD ROLLING SYSTEM AND METHOD FOR THIN-WALLED STAINLESS STEEL TUBE ~71:WUHU SINO-HYDROGEN NEW ENERGY TECHNOLOGY Co.,Ltd., No. 4 Jinye Road, Sanshan Economic Development Zone, Wuhu City, Anhui Province, 241000, People's Republic of China ~72: LI, Xinhua;LI, Xinzhong;LIU, Dongmei;ZENG, Meilan~ 33:CN ~31:202310469353.5 ~32:27/04/2023

2024/03175 ~ Complete ~54:RECOMBINANT LIVE ATTENUATED RSV VACCINE STRAIN AND PRODUCTION METHOD THEREFOR ~71:SK BIOSCIENCE CO., LTD., 310, PANGYO-RO, BUNDANG-GU SEONGNAM-SI, GYEONGGI-DO 13494, REPUBLIC OF KOREA, Republic of Korea ~72: KIM, Eun-som;KWON, Teawoo;SEO, Ki-weon~ 33:KR ~31:10-2021-0129272 ~32:29/09/2021;33:KR ~31:10-2022-0089158 ~32:19/07/2022

2024/03180 ~ Complete ~54:A MICROSHERE COMPRISING A FIRST MATERIAL AND A SECOND MATERIAL ~71:BLINK AG, Brüsseler Str. 20, Germany ~72: ELLINGER, Thomas;ERMANTRAUT, Eugen;KANITZ, Lea;KLINGNER, Susanne;LEMUTH, Oliver;STEINMETZER, Katrin~ 33:EP ~31:21206745.8 ~32:05/11/2021

2024/03182 ~ Complete ~54:COMPOSITIONS TARGETING BCMA AND METHODS OF USE THEREOF ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1, Doshomachi 4-Chome Chuo-ku Osaka-shi, Osaka, 541-0045, Japan ~72: ALESSANDRA PIERSIGILLI;CHRISTINA SHEAU FEN WONG;ERTAN ERYILMAZ;HAIQING WANG;KATHRYN FRASER;LEEANN TALARICO;MICHAEL CURLEY;SHAWN JENNINGS;TAYLOR HICKMAN~ 33:US ~31:63/257,822 ~32:20/10/2021;33:US ~31:63/257,846 ~32:20/10/2021

2024/03185 ~ Complete ~54:METHODS AND SYSTEMS FOR DISTRIBUTED BLOCKCHAIN FUNCTIONALITIES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: WRIGHT, Craig Steven~ 33:GB ~31:2115520.5 ~32:28/10/2021

2024/03179 ~ Complete ~54:PROCESSING METHOD, COMMUNICATION DEVICE, COMMUNICATION SYSTEM AND STORAGE MEDIUM ~71:SHENZHEN TRANSSION HOLDINGS CO., LTD., Room 1702-1703, Desay Building, No. 9789 Shennan Road, People's Republic of China ~72: HUANG, Junwei;ZHU, Rongchang~

2024/03165 ~ Complete ~54:A SHEARING DEVICE FOR GYNECOLOGICAL LAPAROSCOPIC SURGERY TRAINING ~71:Nanyang Wolong District Maternal and Child Care Hospital, No. 578, Culture Road, Wolong District, Nanyang City, Henan Province, People's Republic of China ~72: Xinping CHEN~

2024/03188 ~ Complete ~54:A METHOD OF CAPTURING CRISPR ENDONUCLEASE CLEAVAGE PRODUCTS ~71:Caribou Biosciences, Inc., 2929 7th Street, Suite 105, BERKELEY 94710, CA, USA, United States of America ~72: GRADIA, Scott David~ 33:US ~31:63/286,922 ~32:07/12/2021

2024/03191 ~ Complete ~54:BENZO[H]QUINAZOLINE-4-AMINE DERIVATIVES FOR THE TREATMENT OF CANCER ~71:Redona Therapeutics, Inc., 490 Arsenal Way, Suite 100B, WATERTOWN 02472, MA, USA, United States of America ~72: ALOIA, Andrea;GAUCHER, Bérangère;RADIMERSKI, Thomas;RICHALET, Florian;WEILER, Sven~ 33:EP ~31:21204520.7 ~32:25/10/2021;33:EP ~31:22167146.4 ~32:07/04/2022;33:EP ~31:22186200.6 ~32:21/07/2022

2024/03170 ~ Complete ~54:COMPUTING SYSTEM AND METHOD FOR IN-PERSON DISPENSING OF PRODUCTS ~71:180 DEGREES MARKETING (PTY) LTD, Corner Searle and Pontac Streets, South Africa ~72: ANDRÉ, David Ellis;MATHIESEN, Brian Arthur~

2024/03172 ~ Complete ~54:INTERCHANGEABLE TOOL BIT HOLDER ~71:PICQUIC TOOL COMPANY INC., 900-885 WEST GEORGIA STREET, VANCOUVER, BRITISH COLUMBIA V6C 3H1, CANADA, Canada ~72: ESFAHANIAN, Ehsan;MCKENZIE, Paul Donald~ 33:US ~31:17/487,402 ~32:28/09/2021

2024/03173 ~ Complete ~54:A FERMENTATION MEDIUM COMPRISING SULPHUR ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: BECK, Simon;DEMLER, Martin;HAAS, Thomas;RICHTER, Christian~ 33:EP ~31:21200133.3 ~32:30/09/2021

2024/03178 ~ Complete ~54:WNT RECEPTOR-SPECIFIC COMPOUND AND METHOD RELATING THERETO ~71:SURROZEN OPERATING, INC., 171 Oyster Point Boulevard, Suite 400, United States of America ~72: CHEN, Hui;LEE, Sungjin;LI, Yang;YEH, Wen-Chen~ 33:US ~31:63/295,805 ~32:31/12/2021;33:US ~31:63/298,570 ~32:11/01/2022;33:US ~31:63/398,754 ~32:17/08/2022

2024/03167 ~ Complete ~54:MESALAZINE EXTENDED RELEASE COMPOSITION AND PROCESS FOR PREPARATION THEREOF ~71:ATHENA PHARMACEUTIQUES SAS, Espace Arnold De Ville 12, Rue Georges Blandon, France ~72: CHANDWANI, Omprakash Doulatram;CHAUDHARI, Amol Yuvraj;CHAUDHARI, Mahendra Baliram;NEHETE, Nitin Pandharinath~ 33:IN ~31:202311031338 ~32:02/05/2023

2024/03186 ~ Complete ~54:TRANSGENIC CORN EVENT ZM_BCS216090 AND METHODS FOR DETECTION AND USES THEREOF ~71:Monsanto Technology LLC, 800 North Lindbergh Boulevard, ST. LOUIS 63167, MO, USA, United States of America ~72: BRZOSTOWSKI, Lillian;CARLSON, Carrin;GILLESPIE, Kelly;PACIOREK, Tomasz;RALSTON, Lyle;RENAUD, Alexander;YANG, Heping~ 33:US ~31:63/274,865 ~32:02/11/2021;33:US ~31:63/279,508 ~32:15/11/2021

2024/03166 ~ Complete ~54:A UTERINE FIXATION DEVICE FOR GYNECOLOGICAL LAPAROSCOPIC SURGERY ~71:Nanyang Wolong District Maternal and Child Care Hospital, No. 578, Culture Road, Wolong District, Nanyang City, Henan Province, People's Republic of China ~72: CHEN Xiping~

2024/03177 ~ Complete ~54:ANTI-C3 ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS THEREOF AND THEIR USES FOR TREATING EYE OR OCULAR DISEASES ~71:BOEHRINGER INGELHEIM INTERNATIONAL GMBH, Binger Strasse 173, Germany;CDR-LIFE AG, Toedistrasse 46 8810, HORGEN, Switzerland ~72: BORRAS, Leonardo;GUPTA, Pankaj;HOERER, Stefan;JUNGMICHEL, Stephanie;LEISNER, Christian;REINDL, Sophia;RICHLE, Philipp Robert;SCHEIFELE, Fabian;SOBIERAJ, Anna~ 33:US ~31:63/292,513 ~32:22/12/2021

2024/03183 ~ Complete ~54:ULTRASONIC SCALPEL, ENERGY INSTRUMENT FOR SURGERY, AND POWER ADJUSTMENT METHOD THEREFOR ~71:ENSURGE MEDICAL (SUZHOU) CO., LTD., Unit 106, Building 1, No.9 West Suhong Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone Suzhou, Jiangsu, 215000, People's Republic of China ~72: JUN ZHANG;ZHIXIN WU~ 33:CN ~31:202111209462.0 ~32:18/10/2021

2024/03187 ~ Complete ~54:TYK2 DEGRADERS AND USES THEREOF ~71:Kymera Therapeutics, Inc., 500 North Beacon Street, 4th Floor, WATERTOWN 02472, MA, USA, United States of America ~72: COMER, Eamon;FORD, Melissa;MARX, Isaac;PENNINGTON, Lewis Dale;YATES, Christopher Michael;ZHU, Xiao~ 33:US ~31:63/271,648 ~32:25/10/2021

2024/03164 ~ Complete ~54:A C-BAND SPACE-BASED MEASUREMENT AND CONTROL TERMINAL ~71:Chengdu CAST BIT Technology Co., Ltd, No. 1, 1st Floor, Building 6, No.5 Tianhong Road, High-tech West District, Chengdu City, Sichuan Province, 611731, People's Republic of China ~72: Hui Tang;Jian Yang;Weiguo Wang;Yawei Wang;Zhong Ren~ 33:CN ~31:202311148425.2 ~32:06/09/2023

2024/03176 ~ Complete ~54:ANTHELMINTIC PYRROLOPYRIDAZINE COMPOUNDS ~71:BOEHRINGER INGELHEIM VETMEDICA GMBH, Binger Strasse 173, Germany ~72: HERLÉ, Bart;KOOLMAN, Hannes Fiepkow~ 33:US ~31:63/263,367 ~32:01/11/2021

2024/03184 ~ Complete ~54:SURGICAL ELECTRIC INSTRUMENT AND ULTRASONIC SCALPEL ~71:ENSURGE MEDICAL (SUZHOU) CO., LTD., Unit 106, Building 1, No.9 West Suhong Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone Suzhou, Jiangsu, 215000, People's Republic of China ~72: JUN ZHANG;ZHIXIN WU~ 33:CN ~31:202111264221.6 ~32:28/10/2021

2024/03168 ~ Complete ~54:SEPARATION DEVICE OF MICRO-REACTION APPARATUS ~71:OUSHISHENG (BEIJING) TECHNOLOGY CO., LTD., 101-1012, 1st Floor, Building 3, No. 103 Beiqing Road, People's Republic of China ~72: LU, Zhenyu;WANG, Daming;YANG, Guoxin~ 33:CN ~31:2023104457104 ~32:24/04/2023

- APPLIED ON 2024/04/25 -

2024/03212 ~ Complete ~54:PROCESSES AND SYSTEMS FOR PREPARING AND DELIVERING A CONDITIONED AQUEOUS MEDIUM TO ONE OR MORE ALGAL GROWTH PONDS ~71:Neste Oyj, Keilaranta 21, ESPOO 02150, FINLAND, Finland ~72: BRYANT, David;CHURN III, Cecil;KANEL, Jeffrey~ 33:US ~31:63/295,551 ~32:31/12/2021;33:FI ~31:20225276 ~32:30/03/2022

2024/03216 ~ Complete ~54:BCMA MONOCLONAL ANTIBODY AND THE ANTIBODY-DRUG CONJUGATE ~71:Hangzhou DAC Biotech Co., Ltd., Building 12, Zhongzi Technology Park, No. 260 Sixth Street, HEDA, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: GUO, Huihui;HUANG, Yuanyuan;JIA, Junxiang;LI, Wenjun;WANG, Juan;YANG, Qingliang;YE, Hangbo;YE, Zhicang;ZHANG, Lingli;ZHAO, Robert Yongxin;ZHENG, Yunxia;ZHOU, You~ 33:IB ~31:2021/128453 ~32:03/11/2021

2024/03236 ~ Complete ~54:WATERPROOF AUTOMATIC CHARGING INTERFACE OF UAVS ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO. 3388, YINGBIN AVENUE, People's Republic of China ~72: DUAN, Zhizhuang;HUANG, Ruiyang;HUANG, Yuyun;LIN, Guchong~

2024/03206 ~ Complete ~54:AN AGRICULTURAL KNOWLEDGE TRAINING METHOD, SYSTEM AND STORABLE MEDIUM ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, No. 22 Zhaojun Road, Yuquan District, People's Republic of China ~72: Handan ZHANG;Ling LI;Tingting REN~

2024/03207 ~ Complete ~54:PLUMBING FITTINGS BOX AND LEAK DETECTION SYSTEM ~71:MIZRAHI, Hagai, Zichron Tovia 12 Street, Jerusalem, 9431412, Israel;PEREZ, Moshe, Mishol Hadkalim 6/2 Street, Migdal Haemek, 2302217, Israel;PEREZ, Tal Israel, Mishol Hadkalim 6/2 Street, Migdal Haemek, 2302217, Israel ~72: PEREZ, Moshe~ 33:US ~31:63/283,228 ~32:25/11/2021

2024/03210 ~ Complete ~54:FREQUENCY HOPPING ~71:SAT-COM (PTY) LTD, 2 Jakaranda Street, Suiderhof, Namibia ~72: BROWN, David Kenneth;VENTER, Maarten~ 33:GB ~31:2114303.7 ~32:06/10/2021

2024/03211 ~ Complete ~54:PYRAZOLOPYRIMIDINE ESTER COMPOUND ~71:Shanghai Maius Pharmaceutical Co. Ltd., Room 913, Building 1, No.515, Huanke Road, Pudong New Area, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: GUO, Yekun;HU, Xiang;HUANG, Dujian;SHI, Mingfeng~ 33:CN ~31:202111131059.0 ~32:26/09/2021

2024/03213 ~ Complete ~54:CONFIGURATION OF POSITIONING REFERENCE SIGNAL, PRS, PROCESSING WINDOWS ~71:QUALCOMM Incorporated, ATTN: International IP Administration, 5775 Morehouse Drive, SAN DIEGO 92121-1714, CA, USA, United States of America ~72: GAAL, Peter;KUMAR, Mukesh;MANOLAKOS, Alexandros;YERRAMALLI, Srinivas~ 33:IN ~31:202141046673 ~32:13/10/2021

2024/03220 ~ Complete ~54:ENGINEERED NK CELLS AND USES THEREOF ~71:UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., 4000 Central Florida Boulevard, Millican Hall, Room 360, Orlando, Florida, 32816, United States of America ~72: ALICJA J COPIK;MD FAQRUL HASAN;TAYLER CROOM-PEREZ~ 33:US ~31:63/249,801 ~32:29/09/2021

2024/03221 ~ Complete ~54:BENZIMIDAZOLE CARBOXYLIC ACIDS AS GLP-1R AGONISTS ~71:TERNS PHARMACEUTICALS, INC., 1065 E. Hillsdale Blvd., Suite 100, Foster City, California 94404, United States of America ~72: CHRISTOPHER T JONES;COREY REEVES;F. ANTHONY ROMERO;MARTIJN FENAUX~ 33:US ~31:63/261,717 ~32:27/09/2021

2024/03226 ~ Complete ~54:LURBINECTEDIN AND ATEZOLIZUMAB COMBINATIONS ~71:PHARMA MAR, S.A., Polígono Industrial La Mina Avda. de los Reyes, 1 Colmenar Viejo, E-28770, Madrid, Spain ~72: LUIS GONZAGA PAZ-ARES RODRIGUEZ;SALVADOR FUDIO MUÑOZ;SANTIAGO PONCE AIX~ 33:EP ~31:21383013.6 ~32:08/11/2021

2024/03230 ~ Complete ~54:BICYCLIC AMINE DERIVATIVES AS GABAA A5 RECEPTOR MODULATORS ~71:RICHTER GEDEON NYRT., 1103 Budapest, Hungary ~72: BATA, Imre;ERDÉLYI, Péter;KAPUS, Gábor László;POTOR, Attila;SZABÓ, György;TÚRÓS, György István;ÉLIÁS, Olivér~ 33:HU ~31:P2100338 ~32:29/09/2021

2024/03199 ~ Provisional ~54:A LOCKOUT DEVICE ~71:DROP LOCK (PTY) LTD., 17 Ferro Street Mineralia, Middelburg, Mpumalanga, 1050, South Africa ~72: CHRIS BOTHA;GYSBERT VAN ROOYEN;MORGAN BASIL LEWIS;ROBERT LEWIS~

2024/03200 ~ Complete ~54:PHYSICAL DEMONSTRATION DEVICE FOR DRAWING PROCESS AND FORMING PRINCIPLE OF LISSAJOUS GRAPHICS ~71:SOUTHWEST UNIVERSITY, 2 Tiansheng Road, Beibei District, Chongqing City, 400715, People's Republic of China ~72: DING Haomin;DING Zhuyu;FAN Li;PAN Hanyu;PANG Chuan;WANG Junzhe;WANG Shunyao;XIE Hengjun;YUE Shuai;ZHAO Tianyang~ 33:CN ~31:2023223565595 ~32:30/08/2023

2024/03196 ~ Provisional ~54:MINING ~71:Ukwazi Mining Solutions (Pty) Ltd, Level 4, 3rd Floor, The Gate Centurion, 146 Akkerboom street, Zwartkop, South Africa ~72: LOTHERINGEN, Jacobus Johannes;LOUW, Werner~

2024/03202 ~ Complete ~54:DRILL CORING DEVICE ~71:Bijie zhongcheng energy co., ltd, Shihuazhai Formation, Gouchang Village, Shaopu Town, zhijin county City, Bijie City, Guizhou Province, 551700, People's Republic of China;Guizhou University, Guizhou University, Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China;Guizhou panjiang clean coal co., ltd, Gangou Bridge, Hongguo Economic

Development Zone, Liupanshui City, Guizhou Province, 553000, People's Republic of China ~72: Jinhai Shang;Mingzhong,Wang;Qingrong,Huang;Shulin,Lu;Yongxin,Duan;Zhenqian Ma~

2024/03215 ~ Complete ~54:INCLUDING SMALL AESTHETIC BUBBLES IN GLASS ARTICLES ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: CASTILLO, Jose Garay;COOPER, Scott;GODSIL, Amanda;GONZALES, Enrique;SWILER, Dan~ 33:US ~31:63/254,023 ~32:08/10/2021

2024/03217 ~ Complete ~54:AEROSOL PROVISION DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BURGESS, Jonathan Neil;ENGLAND, Will;MOLLISON-BALL, Lois;THOMAS, Michael~ 33:GB ~31:2115367.1 ~32:26/10/2021

2024/03223 ~ Complete ~54:RESPIRATORY DELIVERY OF THERAPEUTIC AGENTS ~71:INTERGALACTIC THERAPEUTICS, INC., 40 Guest Street, Brighton, Massachusetts, 02135, United States of America ~72: JAKE CEMAZAR;LIHUA HE;RACHELLE PRANTIL-BAUN;RICHARD BOUCHER;ROBERT FARRA;SCOTT RANDELL;TAKAFUMI KATO~ 33:US ~31:63/256,416 ~32:15/10/2021;33:US ~31:63/388,794 ~32:13/07/2022

2024/03228 ~ Complete ~54:METHODS OF TREATING CANCER ~71:FUSION PHARMACEUTICALS INC., 270 Longwood Road South, Hamilton, Ontario, L8P 0A6, Canada ~72: ERIC S BURAK;JAMES O'LEARY;JOHN RHODEN~ 33:US ~31:63/274,802 ~32:02/11/2021

2024/03214 ~ Complete ~54:COMPOSITIONS AND METHODS FOR PREVENTING, AMELIORATING, OR TREATING SICKLE CELL DISEASE ~71:Incisive Genetics, Inc., 3980 West 32nd Avenue, VANCOUVER V6X 1Z3, BRITISH COLUMBIA, CANADA, Canada;The University of British Columbia, 103-6109 AGRONOMY ROAD, VANCOUVER V6T 1Z4, BRITISH COLUMBIA, CANADA, Canada ~72: CARON, Nicholas;HILL, Austin;LEAVITT, Blair;WAGNER, Pamela~ 33:US ~31:63/274,630 ~32:02/11/2021

2024/03218 ~ Complete ~54:ANTI-AMYLOID BETA ANTIBODIES AND METHODS OF USING THE SAME ~71:AbbVie Inc., 1 N. Waukegan Road, AP34-2 V377, NORTH CHICAGO 60064, IL, USA, United States of America ~72: BROWN, Nathan J.;CHHAYA, Meha;LIAO, Fan;MCCLUSKEY, Andrew J.~ 33:US ~31:63/263,204 ~32:28/10/2021

2024/03219 ~ Complete ~54:ORAL FORMULATION ~71:ACTIMED THERAPEUTICS LTD, The Old Bakehouse, Course Road, United Kingdom ~72: BHATTACHERJEE, Robin Chandra;HAWKES, Robert William John;MISSELWITZ, Frank;MORTEN, Elaine;RENNIE, James Maxwell~ 33:GB ~31:2114564.4 ~32:12/10/2021

2024/03222 ~ Complete ~54:OPTIMIZED WATER LINE DELIVERY OF MICROBES ~71:INTERNATIONAL N&H DENMARK APS, Parallelvej 16 DK-2800 Kongens Lyngby, Denmark ~72: CATHY E KALBACH;CHARLOTTE HORMANS POULSEN;MICHAEL DAUNER~ 33:US ~31:63/249,989 ~32:29/09/2021

2024/03225 ~ Complete ~54:PHARMACEUTICAL COMPOSITIONS OF EFRUXIFERMIN ~71:AKERO THERAPEUTICS, INC., 601 Gateway Blvd., Suite 350, South San Francisco, California, 94080, United States of America ~72: JAMES BOSTICK;MARIANA N DIMITROVA;SIMON EISELE;TIMOTHY P ROLPH~ 33:US ~31:63/255,286 ~32:13/10/2021

2024/03229 ~ Complete ~54:PROTOCOL DATA UNIT (PDU) SESSION INFORMATION FOR DIFFERENT NETWORK SERVICE TYPES ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, Shenzhen, Guangdong, 518057, People's Republic of China ~72: BO DAI;JIE TAN;TING LU;XIUBIN SHA;YUAN GAO~

2024/03203 ~ Complete ~54:COOLANT RESERVOIR AND COOLANT RESERVOIR FILLING SYSTEM
~71:BSSC RADIATORS (PTY) LTD, 20 Turf Road, Anderbolt, Boksburg, 1459, Republic of South Africa, South Africa ~72: BENNETT, Dillan, Martin~ 33:ZA ~31:2023/04788 ~32:26/04/2023

2024/03208 ~ Complete ~54:FRICTION BRAKE, ESPECIALLY FOR MOTOR VEHICLES ~71:FIMBINGER, Johann, Triesterstr. 363, Austria ~72: FIMBINGER, Johann~ 33:DE ~31:10 2021 130 045.2 ~32:17/11/2021

2024/03224 ~ Complete ~54:METHOD FOR PURIFYING IRON-CHROMIUM ELECTROLYTE, AND IRON-CHROMIUM ELECTROLYTE THEREBY OBTAINED ~71:ENERFLOW TECHNOLOGY CO., LTD., No.22 Workshop of Weichai International Component Industrial Park, Weifang High-Tech Zone, Shandong, People's Republic of China ~72: GE ZU;JIN WANG;XIAOHAO ZHENG~ 33:CN ~31:202111125169.6 ~32:26/09/2021

2024/03227 ~ Complete ~54:MAIZE EVENT DAS-01131-3 AND METHODS FOR DETECTION THEREOF
~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 N.W. 62nd Avenue, P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: AARON T WOOSLEY;ANDREW ASBERRY;BIN CONG;DENNIS O'NEILL;JAMES EDWARD KING;JASDEEP S MUTTI;M. ALEJANDRA PASCUAL;MARIA MAGDALENA VAN DYK;PO-HAO WANG;SARAH E WORDEN;VIRGINIA CRANE~ 33:US ~31:63/264,100 ~32:16/11/2021

2024/03231 ~ Complete ~54:ACCESS CONTROL METHOD AND SYSTEM ~71:Laliga Content Protection, SL, C/ Torrelaguna, 60, Spain ~72: ARROITAJAUREGUI DORTA, Yeray~ 33:ES ~31:P202130906 ~32:28/09/2021

2024/03237 ~ Complete ~54:STORABLE MULTI-ROTOR UAV ~71:MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD, ROOM 9-07-08, BUILDING 1, HENGFENG BUILDING, SHUANGXI WEST ROAD, People's Republic of China;XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, NO. 3388, YINGBIN AVENUE, People's Republic of China ~72: DUAN, Zhizhuang;HUANG, Ruiyang;HUANG, Yuyun;LIN, Guchong~

2024/03195 ~ Provisional ~54:COOKING ~71:Richard Douglas Chadwick, 120 West Rd North, South Africa ~72: Richard Douglas Chadwick~

2024/03197 ~ Provisional ~54:DUMBLING COOKER ~71:NOMATHEMBA JACQUILINE DLAMNI, 10694A NOVEMBER STREET, South Africa ~72: NOMATHEMBA JACQUILINE DLAMINI;NOMATHEMBA JACQUILINE DLAMINI~

2024/03198 ~ Provisional ~54:A CONNECTOR FOR A SAFETY NET AND A SAFETY NET INCLUDING THE CONNECTOR ~71:NIXON, Timothy Edward Piggott, 37 Company Road, Mnandi, CENTURION 0149, Gauteng, SOUTH AFRICA, South Africa ~72: NIXON, Timothy Edward Piggott~

2024/03201 ~ Complete ~54:METHOD FOR GROWING YAG LASER CRYSTALS BY USING LARGE-INTERFACE SEED CRYSTALS IN PLANAR INTERFACE ~71:INSTITUTE OF SEMICONDUCTORS, GUANGDONG ACADEMY OF SCIENCES, No. 363 Changxing Road, Tianhe District, Guangzhou City, Guangdong Province, 510075, People's Republic of China ~72: GUO, Yongwen;HUANG, Guowei;HUANG, Jinqiang;JIN, Ningchang;KE, Guanzhen;LI, Handa;LIU, Ji'an;QUAN, Jiliang;ZHANG, Yali~ 33:CN ~31:202311612347.7 ~32:28/11/2023

2024/03204 ~ Complete ~54:GRIPPER, ROCK DRILLING UNIT AND METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE FI-33330, FINLAND, Finland ~72: LUUTIKIVI, Jukka;MAKKONEN, Eero;SILLANPÄÄ, Vesa~ 33:EP ~31:23172251.3 ~32:09/05/2023

2024/03205 ~ Complete ~54:AN INFORMATION PLATFORM OF MULTIMEDIA FUSION ~71:INNER MONGOLIA ACADEMY OF AGRICULTURAL AND ANIMALHUSBANDRY SCIENCES, No. 22 Zhaojun Road,

Yuquan District, People's Republic of China ~72: Baomin GUO;Handan ZHANG;Ling LI;Na ZHUO;Tiansong LI;Tingting REN;You LV;Yujia ZHANG~

2024/03209 ~ Complete ~54:IMPEDANCE ADAPTOR ~71:SAT-COM (PTY) LTD, 2 Jakaranda Street, Suiderhof, Namibia ~72: BROWN, David Kenneth~ 33:GB ~31:2114922.4 ~32:19/10/2021

- APPLIED ON 2024/04/26 -

2024/03238 ~ Complete ~54:SOIL HEALTH INDEX DETECTION DEVICE ~71:ZHEJIANG STATION FOR MANAGEMENT OF ARABLE LAND QUALITY AND FERTILIZER, No. 29, Fengqi East Road, Jianggan District, Hangzhou City, Zhejiang, People's Republic of China ~72: KONG, Yali;QIN, Hua;TANG, Tao;XU, Jianming;YANG, Dong;YU, Yijun;ZHANG, Junhua~

2024/03254 ~ Complete ~54:USES AND METHODS FOR SULFATING A SUBSTRATE WITH A MUTATED ARYLSULFOTRANSFERASE ~71:SANOFI, 46 Avenue de la Grande, France ~72: DEPLACE, Aymeric;MONZA, Emanuele;PANIGADA, Davide;STEINMETZ, Anke~ 33:EP ~31:21306358.9 ~32:30/09/2021

2024/03260 ~ Complete ~54:METHOD FOR ACTIVATING CLAYS WITH HIGH RESIDUAL MOISTURE ~71:KHD Humboldt Wedag GmbH, Von-der-Wettern-Straße 4a, KÖLN 51149, GERMANY, Germany ~72: FEISS, Marc;GUSSMANN, Rolf;STREIT, Norbert~ 33:DE ~31:10 2021 128 060.5 ~32:28/10/2021

2024/03268 ~ Complete ~54:METHODS AND SYSTEMS FOR DISTRIBUTED BLOCKCHAIN FUNCTIONALITIES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: WRIGHT, Craig Steven~ 33:GB ~31:2115511.4 ~32:28/10/2021;33:GB ~31:2115512.2 ~32:28/10/2021;33:GB ~31:2115516.3 ~32:28/10/2021;33:GB ~31:2115520.5 ~32:28/10/2021;33:GB ~31:2206634.4 ~32:06/05/2022;33:GB ~31:2206639.3 ~32:06/05/2022;33:GB ~31:2208799.3 ~32:15/06/2022;33:GB ~31:2209533.5 ~32:29/06/2022

2024/03275 ~ Complete ~54:ANTI-LAG3 ANTIBODY, PHARMACEUTICAL COMPOSITION AND USE ~71:Akeso Biopharma, Inc., 6 Shennong Road, Torch Development Zone, ZHONGSHAN 528437, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Baiyong;WANG, Zhongmin;XIA, Yu;ZHANG, Peng~ 33:CN ~31:202111149114.9 ~32:29/09/2021

2024/03287 ~ Complete ~54:OXIDATIVE AND REDUCTIVE LEACHING METHODS ~71:BASF SE, Carl-Bosch-Str. 38, 67056, Ludwigshafen am Rhein, Germany ~72: ALEX SYRMA;BERNARD MULLER;KERSTIN SCHIERLE-ARNDT;MARK JABLONKA;NILS-OLOF JOACHIM BORN;TILL GERLACH;VINCENT SMITH;WOLFGANG ROHDE~ 33:EP ~31:21212957.1 ~32:07/12/2021

2024/03290 ~ Complete ~54:ANTIRUST PAINT SPRAYING DEVICE FOR PRODUCTION OF ELECTRONIC EQUIPMENT ~71:Anhui Sandi Electronic Technology Co., Ltd, Economic Development Zone of Fanchang County, Wuhu City, People's Republic of China ~72: Gui Feng~

2024/03235 ~ Provisional ~54:POWER CONVERSION EQUIPMENT MODULE ~71:ACES AFRICA (PTY) LTD, Triangle Point, 13 Urtel Crescent, South Africa ~72: FORRER, Bernard Hein~

2024/03241 ~ Complete ~54:ROCK BOLT WITH INFORMATION DISPLAY REGION ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5, 135 Coronation Drive, MILTON 4064, QUEENSLAND, AUSTRALIA, Australia;Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: DARLINGTON, Bradley;RATAJ, Mieczyslaw;ROACH, Warren;WEAVER, Steven;YOUNG, Peter~ 33:EP ~31:18190386.5 ~32:23/08/2018

2024/03281 ~ Complete ~54:METHOD AND DEVICE FOR PRODUCING A SINGLE-SERVE CAPSULE
~71:TCHIBO GMBH, Überseering 18, 22297, Hamburg, Germany ~72: MARIUS-KONSTANTIN WICHE~ 33:EP
~31:21205024.9 ~32:27/10/2021

2024/03286 ~ Complete ~54:FRACTURING HOT ROCK ~71:JACK MCINTYRE, 3524 Knickerbocker Road Suite
180, San Angelo, Texas, 76904, United States of America ~72: JACK MCINTYRE~ 33:US ~31:63/272,094
~32:26/10/2021;33:US ~31:17/970,845 ~32:21/10/2022

2024/03289 ~ Complete ~54:METHODS FOR TREATING RESPIRATORY DISEASES ~71:MUCPHARM PTY
LTD, 1353 High Street, Malvern, Australia ~72: MEKKAWY, Ahmed;MORRIS, David;PILLAI, Krishna;VALLE,
Sarah~ 33:AU ~31:2021903441 ~32:27/10/2021

2024/03232 ~ Provisional ~54:A MULTI-POINT THEFT-RESISTANT CLAMP FOR SOLAR PANELS WITH
SHEAR NUT TECHNOLOGY AND ENHANCED SECURITY FEATURES ~71:Cecil Albert Mitchell, 52 Alexandra
Rd, South Africa ~72: Cecil Albert Mitchell~

2024/03257 ~ Complete ~54:DRUG FOR TREATING FATTY LIVER AND NON-ALCOHOLIC
STEATOHEPATITIS ~71:Niigata University, 8050, Ikarashi ni-nocho, Nishi-ku, Niigata-shi, NIIGATA 9502181,
JAPAN, Japan;Osaka University, 1-1, Yamadaoka, Suita-Shi, OSAKA 5650871, JAPAN, Japan;StemRIM Inc.,
3FL, Saito Biotechnology Incubator, 7-15, Saito-Asagi 7-chome, Ibaraki-shi, OSAKA 5670085, JAPAN, Japan
~72: SHIMBO, Takashi;TAMAI, Katsuto;TERAI, Shuji;TSUCHIYA, Atsunori;YAMAZAKI, Takehiko~ 33:IB
~31:2021/036238 ~32:30/09/2021

2024/03263 ~ Complete ~54:WEED SEED GERMINATION INHIBITOR ~71:Beta Biofuel Solutions, LLC, P.O.
Box 400, RINGOES 08551, NJ, USA, United States of America ~72: WARD, Paula M.~ 33:US ~31:63/248,774
~32:27/09/2021

2024/03267 ~ Complete ~54:METHOD OF CHECKING ROLLERS AND THE MOTION TRANSMISSION
ELEMENTS ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400,
FRANCE, France ~72: ALVAREZ-CASARIEGO ALVAREZ, Maria José;BLANCO GOMEZ, David;RODRIGUEZ
RODRIGUEZ, Armando Nemesio~ 33:EP ~31:21205416.7 ~32:28/10/2021

2024/03279 ~ Complete ~54:METHOD FOR PREPARING A FERTILISER COMPOSITION ~71:CCM
TECHNOLOGIES LIMITED, Unit 9 I.O. Centre Radway Road, Swindon, SN3 4WH, United Kingdom ~72: PETER
HAMMOND~ 33:GB ~31:2117190.5 ~32:29/11/2021

2024/03255 ~ Complete ~54:SYNTHETIC PRODUCTION OF CIRCULAR DNA VECTORS ~71:INTERGALACTIC
THERAPEUTICS, INC., 150 CAMBRIDGEPARK DRIVE, SUITE 800, CAMBRIDGE, MASSACHUSETTS 02140,
USA, United States of America ~72: BAKHSHAYESH, Meisam;DORNBUSH, Eliza;HIGHAM, Eileen;HUH,
Jin;KENNEDY, Jodi;LORA, Jose;MAGUIRE, Anne~ 33:US ~31:63/248,801 ~32:27/09/2021

2024/03273 ~ Complete ~54:ANTI-LAG3 BISPECIFIC ANTIBODY, PHARMACEUTICAL COMPOSITION AND
USE ~71:Akeso Huike (Shanghai) Co. Ltd., Floor 3, 665 Zhangjiang Road, China (Shanghai) Pilot Free Trade
Zone, Pudong New Area, SHANGHAI 200137, CHINA (P.R.C.), People's Republic of China ~72: LI,
Baiyong;WANG, Zhongmin;XIA, Yu;ZHANG, Peng~ 33:CN ~31:202111149114.9 ~32:29/09/2021

2024/03278 ~ Complete ~54:TREATMENT OF PRIMARY BILIARY CHOLANGITIS (PBC) WITH TOLERIZING
NANOPARTICLES ~71:COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., 2215 Sanders Road,
Suite 425, Northbrook, Illinois, 60062, United States of America ~72: ADAM ELHOFY;GRETA
WODARCYK;JOHN J PUISIS;MICHAEL BOYNE~ 33:US ~31:63/270,447 ~32:21/10/2021;33:US
~31:63/369,574 ~32:27/07/2022

2024/03288 ~ Complete ~54:APPLICATION OF A LEARNING AGENT TO ACHIEVE AUTONOMOUS OPERATION OF A TWIN ROLL CASTING MACHINE ~71:NUCOR CORPORATION, 1915 Rexford Road, Suite 2700, United States of America ~72: BLEJDE, Walter N.;CHIU, George T. C.;PARKES, Ivan;RUAN, Jianqi;SUNDARAM, Neera Jain~ 33:US ~31:63/249,910 ~32:29/09/2021

2024/03291 ~ Complete ~54:DRUG LIQUID MIXING DEVICE FOR SEWAGE TREATMENT ~71:Hebei Chemical and Pharmaceutical College, No. 88 Fangxing Road, Yuhua District, Shijiazhuang City, People's Republic of China ~72: He Xiaoyun~

2024/03271 ~ Complete ~54:POLYGLYCOSYLATED RUTIN DERIVATIVES FOR REDUCING FACIAL SKIN REACTIONS ~71:Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: AURIOL, Daniel;DE TOLLENAERE, Morgane;LAMBERT, Carole;REYNAUD, Romain;SCANDOLERA, Amandine~ 33:GB ~31:2113755.9 ~32:27/09/2021

2024/03270 ~ Complete ~54:EXOSKELETON SYSTEM FOR ORTHOSES AND PROSTHESES OF HAND PHALANGES ~71:IZAGUIRRE PÉREZ, Paola Aralid, Av. Washington, Ext 4957, Col. Jardines, VALLARTA 4957, JALISCO, MEXICO, Mexico ~72: IZAGUIRRE PÉREZ, Paola Aralid~ 33:MX ~31:MX/a/2021/013325 ~32:29/10/2021

2024/03259 ~ Complete ~54:CD40L-SPECIFIC TN3-DERIVED SCAFFOLDS FOR THE TREATMENT AND PREVENTION OF SJOGREN'S SYNDROME ~71:Viela Bio, Inc., 1 Horizon Way, DEERFIELD 60015, IL, USA, United States of America ~72: ALEVIZOS, Ilias;DRAPPA, Jörn;ILLEI, Gabor;REES, William;WANG, Liangwei~ 33:US ~31:63/249,553 ~32:28/09/2021;33:US ~31:63/375,282 ~32:12/09/2022

2024/03262 ~ Complete ~54:A POLYMER COMPOSITION AND PROCESS FOR COATING WOODEN PALLET WITH THE POLYMER COMPOSITION ~71:Verte Technologies, LLC, 3300 S 3090 E Suite 3B, SALT LAKE CITY 84109, UT, USA, United States of America ~72: WALAWALKAR, Deenar Shashikant~ 33:IN ~31:202123049643 ~32:29/10/2021

2024/03276 ~ Complete ~54:ADJUSTABLE/PERSONALISED SEAT ARRANGEMENT AND SYSTEM ~71:BAREND JACOBUS STANDER, 27 Vincent Gardens Road, East London, 5241, South Africa ~72: BAREND JACOBUS STANDER~ 33:ZA ~31:2021/07247 ~32:28/09/2021

2024/03234 ~ Provisional ~54:Q4ME MOBILE TICKETING SYSTEM ~71:Q4MMC PTY(LTD), 4 Buffalo Street, chloorkop, South Africa ~72: Vuledzani Floyed Mathavha~

2024/03242 ~ Complete ~54:CAUSTIC CONCENTRATION AND FLAKING PLANT ~71:SCHNEIDERS, Servatius, Uhlandstraße 87, BOCHUM 44791, GERMANY, Germany ~72: SCHNEIDERS, Servatius~

2024/03247 ~ Complete ~54:DEVICE FOR PLANTING EDIBLE FUNGI ~71:Gansu academy of agri-engineering technology, No. 18, Gaoxin Yannan Road, Chengguan District, Lanzhou City, Gansu Province, 730030, People's Republic of China ~72: Lin Yi;Luan Qianqian;Sun Haochen;Wang Jun;Wang Yucai;Yan Zongshan;Yang Xianzhong;Yang Yirong~ 33:CN ~31:202311098150.6 ~32:29/08/2023

2024/03274 ~ Complete ~54:METHODS AND SYSTEMS FOR DISTRIBUTED BLOCKCHAIN FUNCTIONALITIES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: WRIGHT, Craig Steven~ 33:GB ~31:2115511.4 ~32:28/10/2021;33:GB ~31:2115512.2 ~32:28/10/2021;33:GB ~31:2115516.3 ~32:28/10/2021;33:GB ~31:2115520.5 ~32:28/10/2021;33:GB ~31:2206634.4 ~32:06/05/2022;33:GB ~31:2206639.3 ~32:06/05/2022;33:GB ~31:2208799.3 ~32:15/06/2022;33:GB ~31:2209533.5 ~32:29/06/2022

2024/03283 ~ Complete ~54:IMPROVED ELECTRICAL CONNECTION OUTLET HAVING EXTENDED SAFETY AND CONTROL FUNCTIONS ~71:MARECHAL ELECTRIC, 5 avenue du Chemin de Presles, 94410, Saint-Maurice, France ~72: ABDEL MOUNIM HOUIR ALAMI~ 33:FR ~31:FR2111095 ~32:19/10/2021

2024/03233 ~ Provisional ~54:ELECTRICAL GENERATION DEVICE ~71:JC en S Buys Gesins Trust, 54 Morrison Avenue, Rietondale, South Africa ~72: BUYS, Johannes Christiaan~

2024/03239 ~ Complete ~54:FLAME RETARDANT COMPOSITE AND FLAME RETARDANT EPOXY RESIN ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: HUANG, Jinhe;LI, Pengfei;MA, Han;MAO, Yanli;MEI, Haoyun;REN, Haibo;SHEN, Yue;ZHANG, Yanbing~

2024/03249 ~ Complete ~54:METAL CARD WITH BIOMETRIC FEATURES ~71:COMPOSECURE, LLC, 500 Memorial Drive Somerset, New Jersey, 08873, United States of America ~72: ADAM LOWE~ 33:US ~31:62/925,926 ~32:25/10/2019

2024/03253 ~ Complete ~54:METHOD FOR TREATING PLASTIC PYROLYSIS OILS INCLUDING A HYDROGENATION STEP AND A HOT SEPARATION ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois-Préau, France;REPSOL S.A., C/ Mendez Alvaro, Spain ~72: BONNARDOT, Jérôme;CARRASCO HERNANDEZ, Sheyla;DECOTTIGNIES, Dominique;RIBAS SANGUESA, Inigo;SANTOS MARTINEZ, Martin;WEISS, Wilfried~ 33:FR ~31:FR2112908 ~32:03/12/2021

2024/03261 ~ Complete ~54:COMPOUNDS AND METHODS TARGETING INTERLEUKIN-34 ~71:Eli Lilly and Company, Lilly Corporate Center, INDIANAPOLIS 46285, IN, USA, United States of America ~72: CHEDID, Marcio;FLEISHER, Adam S.;LANNAN, Megan Brittany;LO, Albert;MINTUN, Mark;OBUNGU, Victor H.;RAINES, Sarah Elisabeth;SIMS II, John Randall;SKORA, Andrew Dixon;WALSH, Robin Elizabeth;WEST, Elizabeth Anne;YE, Ming~ 33:US ~31:63/273,216 ~32:29/10/2021

2024/03284 ~ Complete ~54:HEAPS FOR HEAP LEACHING ~71:ANGLO AMERICAN TECHNICAL & SUSTAINABILITY SERVICES LTD, 17 Charterhouse Street, London, EC1N 6RA, United Kingdom;ANGLO CORPORATE SERVICES SOUTH AFRICA (PTY) LTD, 144 Oxford Road, Rosebank, 2196, South Africa ~72: ANTHONY OWEN FILMER;CHRISTOPHER ALAN BILEY;LUKE MARK KEENEY~ 33:US ~31:63/271,980 ~32:26/10/2021

2024/03266 ~ Complete ~54:A RECOMBINANT CONSTRUCT FOR SCREENING DRUGS AGAINST SARS-COV-2 SPIKE PROTEIN ~71:Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Marg, NEW DELHI 110 001, INDIA, India ~72: BEGUM, Feroza;RAY, Upasana;SRIVASTAVA, Amit Kumar;TRIPATHI, Prem Prakash~ 33:IN ~31:202111049482 ~32:28/10/2021

2024/03272 ~ Complete ~54:COMPOSITIONS AND METHODS FOR THE TREATMENT OF PCDH19 RELATED DISORDERS ~71:The Florey Institute of Neuroscience and Mental Health, Level 5, Kenneth Myer Building, 30 Royal Parade, The University of Melbourne, 3010, VICTORIA, AUSTRALIA, Australia ~72: PETROU, Steven~ 33:US ~31:63/248,803 ~32:27/09/2021;33:US ~31:63/333,840 ~32:22/04/2022

2024/03240 ~ Complete ~54:AN ANALYSIS METHOD FOR THE EFFECT OF SUPPLEMENTARY IRRIGATION ON THE MICROBIAL STATUS OF WHEAT FIELD UNDER RIDGE-FURROW MULCHING SYSTEM ~71:Shanxi Agricultural University, No.81 Longcheng Street, Xiaodian District, Taiyuan, Shanxi, 030000, People's Republic of China ~72: Cong ZHAO;Gaimei LIANG;Min ZHAO;Nana LI;Xuefang HUANG;Yueyue XU~

2024/03250 ~ Complete ~54:METHOD FOR CONSTRUCTING DEEP LEARNING BASED PREDICTION MODEL OF CEMENT CLINKER PERFORMANCE AND USE THEREOF ~71:China Building Materials Academy Co., Ltd.,

No. 1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, People's Republic of China;China National Building Material Group Co., Ltd., Building 2, Guohai Plaza, No. 17 Fuxing Road, Haidian District, Beijing, 100036, People's Republic of China ~72: Fuli CAO;Hongtao ZHANG;Jiayuan YE;Shibo DU;Wenjuan CUI;Wensheng ZHANG;Xiao ZHI;Xuehong REN;Zhongcheng MA~ 33:CN ~31:202311441180.2 ~32:01/11/2023

2024/03269 ~ Complete ~54:METHODS AND SYSTEMS FOR DISTRIBUTED BLOCKCHAIN FUNCTIONALITIES ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: WRIGHT, Craig Steven~ 33:GB ~31:2115511.4 ~32:28/10/2021;33:GB ~31:2115512.2 ~32:28/10/2021;33:GB ~31:2115516.3 ~32:28/10/2021;33:GB ~31:2115520.5 ~32:28/10/2021;33:GB ~31:2206634.4 ~32:06/05/2022;33:GB ~31:2206639.3 ~32:06/05/2022;33:GB ~31:2208799.3 ~32:15/06/2022;33:GB ~31:2209533.5 ~32:29/06/2022

2024/03285 ~ Complete ~54:INTEGRIN INHIBITORS AND USES THEREOF IN COMBINATION WITH OTHER AGENTS ~71:PLIANT THERAPEUTICS, INC., 260 Littlefield Avenue, South San Francisco, California, 94080, United States of America ~72: ERIC LEFEBVRE;GREGORY P COSGROVE~ 33:US ~31:63/255,898 ~32:14/10/2021;33:US ~31:63/359,835 ~32:09/07/2022;33:US ~31:63/359,875 ~32:10/07/2022

2024/03292 ~ Complete ~54:NONWOVEN MATERIAL COMPRISING CRIMPED MULTICOMPONENT FIBERS ~71:FIBERTEX PERSONAL CARE A/S, Svendborgvej 2, Denmark;REIFENHÄUSER GMBH & CO. KG MASCHINENFABRIK, Spicher Strasse 46, Germany ~72: AGERSNAP, Scherer Mathias;BOHL, Patrick;BROCH, Thomas;FIEBIG, Joachim Edmund;GEUS, Hans-Georg;RISE, Hansen Morten;SOMMER, Sebastian;TOBIESON, Gustaf;VAN PARIDON, Henk;WANG, Jingbo~ 33:EP ~31:22150331.1 ~32:05/01/2022

2024/03243 ~ Complete ~54:GAMING TABLE SYSTEM AND SYSTEM ~71:Angel Group Co., Ltd., 4600, Aonocho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi~ 33:JP ~31:2023-075292 ~32:28/04/2023

2024/03245 ~ Complete ~54:DECIBEL DETECTION DEVICE ~71:Zhengzhou Normal University, No. 6 Yingcai Street, Daxue City North District, Huiji District, Zhengzhou City, Henan Province, 450044, People's Republic of China ~72: Zhu Ye~ 33:CN ~31:202311018418.0 ~32:14/08/2023

2024/03248 ~ Complete ~54:DEVICE FOR PHOTOCATALYTIC CONTINUOUS DEGRADATION OF POLLUTANTS IN WATER ~71:Jinzhong University, JZU, No. 199, Wenhua Road, Jinzhong City, Shanxi Province, 030619, People's Republic of China ~72: Li Yong~

2024/03256 ~ Complete ~54:DUAL-TARGETING COMPOUND FOR FIBROBLAST ACTIVATION PROTEIN (FAP) AND INTEGRIN AVB3, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:YANTAI LANNACHENG BIOTECHNOLOGY CO., LTD., Room 101, Building 52, No. 500 Binhai East Road, Muping District, Yantai, People's Republic of China ~72: CHEN, Xiaoyuan;GUO, Zhide;WEN, Xuejun;WU, Xiaoming;XU, Pengfei;YANG, Qingbao~ 33:CN ~31:202211203390.3 ~32:29/09/2022

2024/03251 ~ Complete ~54:SCOPE TURRET ~71:SHELTERED WINGS, INC. d/b/a VORTEX OPTICS, ONE VORTEX DRIVE, BARNEVELD, WI 53507, USA, United States of America ~72: HAMILTON, David;MORELL, Rob;PARKS, Scott;TOY, Seth~ 33:US ~31:63/249,221 ~32:28/09/2021

2024/03264 ~ Complete ~54:ARTICLES AND METHODS FOR PLASMA SEPARATION ~71:Trustees of Tufts College, Ballou Hall, MEDFORD 02155, MA, USA, United States of America ~72: BAILLARGEON, Keith;MACE, Charles R.;MORBIOLI, Giorgio Gianini~ 33:US ~31:63/273,740 ~32:29/10/2021;33:US ~31:63/292,274 ~32:21/12/2021

2024/03280 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF SEPIAPTERIN ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: AKM NASIR UDDIN;DHAVAL PATEL;MANDAR VASANT DALI~ 33:US ~31:63/250,167 ~32:29/09/2021

2024/03244 ~ Complete ~54:A VALVE MECHANISM FOR A TAP ~71:LINCOR HOLDINGS (PTY) LTD, 1 Wootton Avenue, Botha's Hill, Hillcrest, South Africa ~72: TURK, Marc Timothy~ 33:ZA ~31:2023/11439 ~32:13/12/2023

2024/03246 ~ Complete ~54:MANAGEMENT SYSTEM FOR STANDARDIZATION OF CLINICAL MEDICAL TREATMENT TRAINING ~71:Wenzhou Kangning Hospital Company Limited, No.1 Shengjin Road, Huanglong Residential Area, Wenzhou City, Zhejiang Province, People's Republic of China ~72: Ao Li;Chen Yining;Chen Yu;Gong Benhong;He He;Meng Lei;Pan Lele;Wang Wenxia;Xu Bo;Ye Minjie;Ye Xiaodan;Yin Hang;Yin Xiaoli;Zhang Yu;Zheng Hongchao~ 33:CN ~31:202410220729.3 ~32:28/02/2024

2024/03252 ~ Complete ~54:MUTATED SULFOTRANSFERASES AND USES THEREOF ~71:SANOFI, 46 Avenue de la Grande, France ~72: DEPLACE, Aymeric;MONZA, Emanuele;PANIGADA, Davide;STEINMETZ, Anke~ 33:EP ~31:21306357.1 ~32:30/09/2021

2024/03258 ~ Complete ~54:IMIDAZOPYRIDAZINE IL-17 INHIBITOR COMPOUNDS ~71:Janssen Pharmaceutica NV, Turnhoutseweg 30, BEERSE B-2340, BELGIUM, Belgium ~72: BEHENNA, Douglas C.;GOLDBERG, Steven D.;GORDON, Deane;HANNA, Luke E.;LOSKOT, Steven A.;MCCARVER, Stefan;MEDUNA, Steven P.;RHORER, Timothy B.;SONG, Kristen;VALDES, Alexander E.;WU, Dongpei;XUE, Xiaohua~ 33:US ~31:63/248,566 ~32:27/09/2021;33:US ~31:63/273,422 ~32:29/10/2021;33:US ~31:63/367,546 ~32:01/07/2022

2024/03277 ~ Complete ~54:HUMANIZED ANTI-EGFRVIII ANTIBODIES AND ANTIGEN-BINDING FRAGMENTS THEREOF ~71:NATIONAL RESEARCH COUNCIL OF CANADA, 1200 Montreal Road, Ottawa, Ontario, K1A 0R6, Canada ~72: ANNE MARCIL;CUNLE WU;MARIA JARAMILLO;MARIA MORENO;TRAIAN SULEA~

2024/03265 ~ Complete ~54:METHODS OF TREATING AGITATION ASSOCIATED WITH ALZHEIMER'S DISEASE ~71:Avanir Pharmaceuticals, Inc., 30 Enterprise, Suite 200, ALISO VIEJO 92656, CA, USA, United States of America ~72: DUBE, Sanjay~ 33:US ~31:63/272,471 ~32:27/10/2021;33:US ~31:63/275,091 ~32:03/11/2021

2024/03282 ~ Complete ~54:PACKAGING BAG AND USE OF THE PACKAGING BAG ~71:MONDI AG, Marxergasse 4A 1030 Wien, Austria ~72: ALEXANDER SHEPETUN;ILYA VOHMYAKOV;MATTHIAS PERICK~ 33:EP ~31:21217457.7 ~32:23/12/2021

- APPLIED ON 2024/04/29 -

2024/03304 ~ Complete ~54:A FUSE RETAINER ~71:LUBBE, Gert, Petrus, 74 GRIETJIE HOEWES, PHALABORWA, 1390, SOUTH AFRICA, South Africa ~72: LUBBE, Gert, Petrus~

2024/03309 ~ Complete ~54:A METHOD FOR DESIGNING AND SYNTHESIZING COMPOUNDS EXHIBITING DPP-IV INHIBITORY POTENTIAL ~71:Piyush Ghode, SVKM's NMIMS School of Pharmacy & Technology Management, Mukesh Patel Technology Park, National Highway 3, Banks of Tapi River, Village Babulde, Shirpur Dist : Dhule (Maharashtra), 425405, India;Sanmati Kumar Jain, Department of Pharmacy, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (Chhattisgarh), 495009, India;Yogesh Vaishnav, Department of Pharmacy, Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur (Chhattisgarh), 495009, India ~72: Piyush Ghode;Sanmati Kumar Jain;Yogesh Vaishnav~

2024/03311 ~ Complete ~54:APPARATUS AND METHOD FOR SUPPLYING A PRESERVATIVE IN A BEVERAGE WITH PRESSURE SENSORS ~71:LANXESS DEUTSCHLAND GMBH, Kennedyplatz 1, Germany ~72: BURGHOLZ, Jonas;VOGL, Erasmus~ 33:EP ~31:21206578.3 ~32:04/11/2021

2024/03317 ~ Complete ~54:HYBRID JOINT ASSEMBLY ~71:PRODUKTIF NORWAY AS, c/o Vaager Innovasjon AS, Bygning 5 Raufoss Industripark, Norway ~72: KONGSHAUG, Rune~ 33:NO ~31:20211173 ~32:30/09/2021

2024/03329 ~ Complete ~54:METHOD OF PREPARING BIODEGRADABLE MICROCAPSULES BASED ON GELATINE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: COUGHLIN, Andrew James;DE HEER, Martine Ingrid;KYNASTON, Emily Louise;RYMARUK, Matthew Joseph;STOCKMAL, Kelli Anne;WALLER, Catherine Paula;WILKINS, Lewis Charles~ 33:US ~31:63/283,644 ~32:29/11/2021

2024/03300 ~ Complete ~54:LIGHT SPOT POSITION MEASURING INSTRUMENT ~71:Xinyu University, No. 2666, Yangguang Avenue, High-tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: FU, Kai;FU, Siyong;LIU, Danjuan;LIU, Hesheng;TAO, Qiuxiang;WANG, Qing;ZHAO, Qinghua~

2024/03307 ~ Complete ~54:VISIBLE LIGHT ENHANCEMENT FILM ~71:Season Agricultural Technology Co., Ltd., No. 161-1, Erjia, Guiren District, TAINAN CITY 711011, TAIWAN (R.O.C.), Taiwan, Province of China ~72: CHANG, Lin-Hung~

2024/03321 ~ Complete ~54:AUTHORIZATION CONTROL METHOD AND APPARATUS FOR POWER DEVICE, ELECTRONIC DEVICE, AND STORAGE MEDIUM ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, People's Republic of China ~72: SHI, Sichao;TAO, Anxiang;WANG, Xiaobo;XIAO, Shengxian;XIONG, Yong;ZHANG, Dedi~ 33:CN ~31:202111154822.1 ~32:29/09/2021

2024/03325 ~ Complete ~54:ANT CONTROL AGENT AND ANT CONTROL METHOD ~71:Shin-Etsu Chemical Co., Ltd., 4-1, Marunouchi 1-chome, Chiyoda-ku, TOKYO 1000005, JAPAN, Japan ~72: KUTSUWADA, Yasuhiko;MIYAKE, Yuki;SUGAWARA, Yuma;WATANABE, Takeru~ 33:JP ~31:2021-178122 ~32:29/10/2021

2024/03328 ~ Complete ~54:AEROSOL DELIVERY DEVICE WITH MONITORING OF USAGE DATA ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: BALAN, Catalin Mihai~ 33:GB ~31:2116154.2 ~32:10/11/2021

2024/03333 ~ Complete ~54:IMPROVED CO2 HYDROGENATION CATALYSTS FOR THE COMMERCIAL PRODUCTION OF SYNGAS ~71:INFINIUM TECHNOLOGY, LLC, 2020 L Street, Suite 120 Sacramento, California 95811-4260, United States of America ~72: ANJA RUMPLECKER GALLOWAY;DENNIS SCHUETZLE;ORION HANBURY;ROBERT SCHUETZLE~ 33:US ~31:17/300,820 ~32:16/11/2021

2024/03314 ~ Complete ~54:DIRECT HEAT EXCHANGE FILL ~71:EVAPCO, INC., 5151 Allendale Lane, Taneytown, Maryland, 21787, United States of America ~72: HAMILTON, Jennifer;HERWIG, Jeffrey;MUMMERT, Eliza;NEVINS, Scott~ 33:US ~31:63/251,271 ~32:01/10/2021;33:US ~31:63/251,284 ~32:01/10/2021;33:US ~31:17/958,812 ~32:03/10/2022

2024/03315 ~ Complete ~54:A METHOD AND SYSTEM TO SEGMENT THE POINT CLOUDS OF WHEAT SPIKE BASED ON DEEP LEARNING AND GEOMETRIC CORRECTION ~71:Inst Of Botany Chinese Academy Of Sciences, No.20 Nanxincun, Xiangshan, Haidian District, Beijing, 100093, People's Republic of China ~72: Hu Tianyu;Liu Xiaoqiang;Liu Zhonghua;Pang Shuxin;Su Yanjun~ 33:CN ~31:2023100505452 ~32:01/02/2023

2024/03332 ~ Complete ~54:IMPROVED CATALYTIC REACTOR FOR THE CONVERSION OF CARBON DIOXIDE AND HYDROGEN TO SYNGAS ~71:INFINIUM TECHNOLOGY, LLC, 2020 L Street, Suite 120 Sacramento, California 95811-4260, United States of America ~72: ANJA RUMPLECKER GALLOWAY;DENNIS SCHUETZLE;JAMES BUCHER;ORION HANBURY;RAMER RODRIGUEZ;ROBERT SCHUETZLE~ 33:US ~31:17/300,828 ~32:19/11/2021

2024/03334 ~ Complete ~54:SYSTEMS AND METHODS FOR CONTROLLING A POWER-TO-X PROCESS TO REDUCE FEEDSTOCK COSTS ~71:INFINIUM TECHNOLOGY, LLC, 2020 L Street, Suite 120 Sacramento, California 95811-4260, United States of America ~72: ALEX MATTANA;ANJA RUMPLECKER GALLOWAY;DENNIS SCHUETZLE;GLENN MCGINNIS;ROBERT SCHUETZLE~ 33:US ~31:17/300,821 ~32:16/11/2021

2024/03337 ~ Complete ~54:LIPID NANOPARTICLES FOR OLIGONUCLEOTIDE DELIVERY ~71:ZIPHIUS NV, Heidestraat 19, Belgium ~72: CARDON, Christiaan;HAQUE, AKM Ashiqui;MC CAFFERTY, Séan;SAHU, Itishri;VALEMBOIS, Sophie~ 33:EP ~31:21205899.4 ~32:02/11/2021

2024/03298 ~ Provisional ~54:FORMING METHOD, FORMING APPARATUS AND A BELT FOR USE IN A FORMING METHOD AND WITH THE FORMING APPARATUS ~71:THE MOSELEY RUBBER COMPANY (PTY) LTD, 55 PORTLAND ROAD, MKONDENI, South Africa ~72: GEORG HEINEN;NOEL FROISE~

2024/03302 ~ Complete ~54:DEEP Q LEARNING CLOUD TASK SCHEDULING METHOD BASED ON IMPROVED EXPLORATION STRATEGY ~71:BAICHENG NORMAL UNIVERSITY, No. 57, Zhongxing West Road, Baicheng City, Jilin Province, People's Republic of China ~72: CHENG Chenyu;FAN Jiaqing;LI Gang;LI Jingli;MA Yongjie~ 33:CN ~31:2023117163005 ~32:13/12/2023

2024/03305 ~ Complete ~54:ARRAY FLEXIBLE SENSOR AND USE METHOD THEREOF ~71:Xinyu University, No. 2666, Yangguang Avenue, Gaoxin District, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: Jianyang Liu;Xiaoxin Zhang;Zhimin Yan~

2024/03308 ~ Complete ~54:AN EFFICIENT NEW PROCESS FOR SYNTHESIS OF 2-AMINO-5-CHLORO-N-,3-DIMETHYLBENZAMIDE ~71:FMC AGRO SINGAPORE PTE. LTD., 10 Marina Boulevard #40 - 01, Marina Bay Financial Centre, Singapore, 018983, Singapore;FMC CORPORATION, 2929 Walnut Street, Philadelphia, Pennsylvania, 19104, United States of America ~72: JIANHUA MAO;LIANG CHEN;YEFENG FAN;ZHIJIAN XU~ 33:US ~31:62/929,138 ~32:01/11/2019

2024/03316 ~ Complete ~54:METHOD TO CONSTRUCT A PREDICTION MODEL FOR THE HEIGHT OF WATER-CONDUCTING FRACTURE ZONE BASED ON MULTI-FACTOR COMPREHENSIVE ANALYSIS ~71:Huainan Normal University, Dongshan West Road, Huainan, People's Republic of China ~72: Dong LI;Fenghui LI;Kaifeng HUANG;Keliang ZHAN;Litong DOU;Long WU;Yaoshan BI~

2024/03319 ~ Complete ~54:GAMETOCYTOCIDAL COMPOUND ~71:EBERHARD KARLS UNIVERSITÄT TÜBINGEN MEDIZINISCHE FAKULTÄT, Geschwister-Scholl-Platz, Germany ~72: Dr. Jana HELD;Dr. Lais PESSANHA DE CARVALHO;Dr. Peter G. KREMSNER;Sara GRÖGER OTERO~ 33:EP ~31:21205968.7 ~32:02/11/2021

2024/03323 ~ Complete ~54:METHOD FOR PRODUCING A STEEL SHEET HAVING EXCELLENT PROCESSABILITY BEFORE HOT FORMING, STEEL SHEET, PROCESS TO MANUFACTURE A HOT STAMPED PART AND HOT STAMPED PART ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Clément PHILIPPOT;Deborah HERRY;Fabrice GERMAIN;Sandra LE GUILLARD~ 33:IB ~31:PCT/IB2021/060246 ~32:05/11/2021

2024/03303 ~ Complete ~54:AN ULTRASONIC EXTRACTION METHOD FOR THE PREPARATION OF LICORICE EXTRACT TO ASSIST THE FERMENTATION OF CIGAR TOBACCO LEAVES ~71:CHINA TOBACCO SICHUAN INDUSTRIAL CO., LTD., No. 2 Longquan Section, Chenglong Avenue, National Chengdu Economy and Technology Development Area, Longquanyi District, Chengdu City,, People's Republic of China ~72: Dongliang Li; Jiabao ZHANG; Jinshan LEI; Lulu LIU; Quanwei ZHOU; Yiqun WANG; Yuhong JIA; Zhen YANG; Zhongrong JIANG~ 33:CN ~31:2024100632503 ~32:17/01/2024

2024/03296 ~ Provisional ~54:A PURCHASING AID ~71:SITHOLE, Simphiwe, Eric, 120 LIBRARY GARDENS, 51 HELEN JOSEPH STREET, MARSHALLTOWN, JOHANNESBURG, 2001, SOUTH AFRICA, South Africa ~72: SITHOLE, Simphiwe, Eric~

2024/03320 ~ Complete ~54:A PRODUCTION LINE-BASED COMPREHENSIVE DISTILLER'S GRAINS PROCESSING SYSTEM ~71:Chi-Hui Tsou, No. 519, Xueyuan Street, Huixing Road, Zigong City, Sichuan Province, 643000, People's Republic of China; Chih-Yuan Tsou, 2F, No.18, Lane 260, Jinmen Street, Banqiao District, New Taipei City, Taiwan Province, 220, People's Republic of China; SICHUAN ZHIRENFA BIOLOGICAL TECHNOLOGY CO., LTD, (Room 628, Guanli North Teaching Building, Sichuan University Of Science And Technology University Science Park) No. 180 Huixing Road, Xueyuan Street, Zigong City, Sichuan Province, 643000, People's Republic of China; Sichuan University of Science & Engineering, No. 519, Xueyuan Street, Huixing Road, Zigong City, Sichuan Province, 643000, People's Republic of China; Sichuan Zhixiangyi Technology Co., Ltd, No. GW1101, Floor 11, Building 9-2, No. 75 Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China ~72: Changlei Qu; Chenyu Wang; Chi-Hui Tsou; Chih-Yuan Tsou; DE GUZMAN Manuel Reyes; Feifan Ge; Gaowei Liu; Jialu Lei; Jianhua Du; POTIYARAJ Pranut; Rui Zeng; Ruo-Yao Wang; Shuang Chen; Shuya Zhao; Tao Yang; Xue-Fei Hu; Zheng-Lu Ma; Zhijun Chen~ 33:CN ~31:202111019359.X ~32:01/09/2021

2024/03327 ~ Complete ~54:HALOGENATED PHENYLARSINE OXIDE COMPOUND AND APPLICATION THEREOF ~71:Nuo-Beta Pharmaceutical Technology (Shanghai) Co., Ltd., 4560 Jinke Road, Zhangjiang Hi-Tech Park, Pudong, SHANGHAI 201210, CHINA (P.R.C.), People's Republic of China ~72: AN, Peiyun; CAO, Luxiang; FANG, Li; HONG, Feng; HOU, Lijuan; HUANG, Changde; HUANG, Fude; JIAO, Changping; LU, Jinlian; MA, Liping; WANG, Wenan; XIE, Yuyu; ZHANG, Hao; ZHANG, Jiangang; ZHENG, Linan~ 33:CN ~31:202111162542.5 ~32:30/09/2021

2024/03330 ~ Complete ~54:CRYSTALLINE FORMS OF A MONOACYLGLYCEROL LIPASE INHIBITOR ~71:H. LUNDBECK A/S, Ottiliavej 9, 2500 Valby, Denmark ~72: ADAM ROSS PATTERSON; AMY ALLAN; ANTONIO CINCOTTI; CHERYL A GRICE; DANIEL J BUZARD; HEIDI LOPEZ DE DIEGO; JOHN J.M WIENER; MARTIN JUHL; RICHARD JAMES EDWARDS; SAMUEL GEORGE ANDREW; SUSANA DEL RIO GANCEDO; THOMAS VETTER~ 33:US ~31:63/274,887 ~32:02/11/2021

2024/03299 ~ Complete ~54:METHOD FOR CONSTRUCTING VISUAL HOUSE BUILDING MODEL, AND SYSTEM ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: LIU, Changsheng~

2024/03310 ~ Complete ~54:SOIL CONDITIONER AND USING METHOD THEREFOR ~71:Dao Mingzhao, No. 53, Mangkai Village Group, Qianying Village Committee, Yongping Town, Jinggu Dai and Yi Autonomous County, Pu'er City, Yunnan Province, 665000, People's Republic of China ~72: Dao Mingzhao~

2024/03324 ~ Complete ~54:HOT STAMPING DIE AND HOT STAMPING PROCESS USING A HOT STAMPING PRESS ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Alexandre BLAISE; Christophe TALLON~ 33:IB ~31:PCT/IB2021/060686 ~32:18/11/2021

2024/03326 ~ Complete ~54:COMPOSITIONS AND METHODS FOR TREATING KCNQ4-ASSOCIATED HEARING LOSS ~71:Akouos, Inc., 645 Summer Street, Suite 200, BOSTON 02210, MA, USA, United States of America ~72: GRIBBLE, Katherine Diane;NG, Robert;ROBINSON, Gregory Scott;SIMONS, Emmanuel John~ 33:US ~31:63/250,857 ~32:30/09/2021;33:US ~31:63/305,740 ~32:02/02/2022;33:US ~31:63/309,061 ~32:11/02/2022

2024/03331 ~ Complete ~54:METHOD FOR SCRUBBING SULFURYL FLUORIDE FROM A FLUID ~71:THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION, 123 Huntington Street New Haven, Connecticut 06511, United States of America ~72: CHENGJIN WANG;JOSEPH J PIGNATELLO;ZHIHAO CHEN~ 33:US ~31:63/273,394 ~32:29/10/2021

2024/03335 ~ Complete ~54:METHODS OF USING ANTI-PSGL-1 ANTIBODIES IN COMBINATION WITH JAK INHIBITORS TO TREAT T-CELL MEDIATED INFLAMMATORY DISEASES OR CANCERS ~71:ALTRUBIO INC., 1209 Orange Street, Wilmington, Delaware, 19801, United States of America ~72: FENG-LIN CHIANG;SHIH-YAO LIN;YOU-CHIA YEH~ 33:US ~31:63/280,463 ~32:17/11/2021

2024/03301 ~ Complete ~54:METHOD OF USING NET CAGES TO BREED MONOPTERUS ALBUS IN AQUACULTURE POND ~71:Shanghai Academy of Agricultural Sciences, No.1000, Jinqi Road, Fengxian District, Shanghai, 201403, People's Republic of China;Shanghai Ying Tun Agricultural Technology Company, Limited, Room 405, Building 1, Lane 461, Wuyi Road, Shanghai, 200050, People's Republic of China ~72: Hang YANG;Quan YUAN;Shiyang NIE;Weiwei HUANG;Weiwei LV;Wenzong ZHOU~

2024/03295 ~ Provisional ~54:A MULTI-POINT THEFT-RESISTANT CLAMP FOR SOLAR PANELS WITH SHEAR NUT TECHNOLOGY AND ENHANCED SECURITY FEATURES ~71:Cecil Albert Mitchell, 52 Alexandra Road, South Africa ~72: Cecil Albert Mitchell~

2024/03297 ~ Provisional ~54:TIMBER-REINFORCED BACKFILL BAG ~71:Timrite (Pty) Ltd, 10 Van der Bijl Street, South Africa ~72: MOFOKENG, Dineo;MUKONDELELI, Sanele~

2024/03313 ~ Complete ~54:METHODS FOR FREEZING AND FREEZE-DRYING LIPID NANOPARTICLES (LNPS) AND LNPS OBTAINED WITH THE SAME ~71:SANOFI, 46 Avenue de la Grande, France ~72: BOUTRY, Etienne;PERAL, Florent;WOINET, Bertrand~ 33:EP ~31:21306387.8 ~32:05/10/2021

2024/03318 ~ Complete ~54:LARGE-SCALE ENVIRONMENT-FRIENDLY 3D PRINTER WITH AUTOMATIC FEEDING SYSTEM ~71:ChiHui TSOU, GW1101, 11th Floor, Building 9-2, No. 75, Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China;SICHUAN ZHIXIANGYI TECHNOLOGY CO., LTD, No. GW1101, 11th Floor, Building 9-2, 75 Cuijiadian Road, Chenghua District, Chengdu City, Sichuan Province, 610051, People's Republic of China;Sichuan University of Science and Engineering, Sichuan University Of Light Chemical Engineering, No. 519, Xueyuan Street, Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China;Xuefei HU, School Of Materials Science And Engineering, Sichuan University Of Light Chemical Technology, 519 Huixing Road, Ziliujing District, Zigong City, Sichuan Province, 643000, People's Republic of China ~72: ChiHui TSOU;ChihYuan TSOU;Feifan GE;Tao YANG;Xuefei HU~ 33:CN ~31:202110857399.5 ~32:28/07/2021

2024/03336 ~ Complete ~54:CLOCK CRYSTAL OSCILLATOR SYNCHRONIZATION METHOD, APPARATUS AND SYSTEM ~71:KINGFAR INTERNATIONAL INC., 4th Floor, Building 16, Guanghua Venture Park, 18 Anningzhuang East Road, Haidian District, People's Republic of China ~72: YANG, Ran;ZHAO, Qichao~ 33:CN ~31:202111343650.2 ~32:13/11/2021

2024/03294 ~ Provisional ~54:A MULTI-POINT THEFT-RESISTANT ORGANISING CLAMP FOR CABLES WITH SHEAR NUT TECHNOLOGY AND ENHANCED SECURITY FEATURES ~71:Cecil Albert Mitchell, 52 Alexandra Road, South Africa ~72: Cecil Albert Mitchell~

2024/03338 ~ Complete ~54:DEVICE FOR COLLECTING AND COMPACTING WASTE ~71:DLR GBR, Hans-Cornelius-Strasse 4, Germany ~72: DAVENPORT, Daniel Christoph;LUKAS, Christian Joseph;VON SCHUTTERBACH, Andreas~ 33:EP ~31:21206532.0 ~32:04/11/2021

2024/03306 ~ Complete ~54:HEALTH MANAGEMENT SYSTEM BASED ON WARD PATIENTS ~71:XINYU UNIVERSITY, 2666 SUNSHINE AVENUE, People's Republic of China ~72: HUANG, Yan;LI, Qi;YOU, Xiaowei;ZHAN, Xingxin;ZHANG, Haitao;ZHANG, Xiaodong~

2024/03312 ~ Complete ~54:PROCESS FOR PREPARING SARTAN ACTIVE COMPOUNDS HAVING A TETRAZOLE RING ~71:SANOFI, 46 Avenue de la Grande, France ~72: CRUCIANI, Paul;GALIBOURG, Isabelle;GRIMAUD, Bernard~ 33:EP ~31:21306383.7 ~32:01/10/2021

2024/03322 ~ Complete ~54:ZINC COATED MN-CONTAINING ADVANCED HIGH STRENGTH STEEL AND METHOD OF MANUFACTURING THE SAME ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Astrid PERLADE;Jean-Michel MATAIGNE;Jonas STAUDTE;Kangying ZHU~ 33:IB ~31:PCT/IB2021/060917 ~32:24/11/2021

- APPLIED ON 2024/04/30 -

2024/03375 ~ Complete ~54:AGRICULTURAL METHODS AND USES FOR THE MODULATION OF REDOX POTENTIAL IN SOIL AND/OR PLANT TISSUE ~71:Tessengerlo Group NV, Troonstraat 130, BRUSSELS 1050, BELGIUM, Belgium ~72: DE BAUW, Pieterjan;MUTEAU, Régis;TOMASI, Isabella~ 33:EP ~31:21205868.9 ~32:02/11/2021

2024/03344 ~ Complete ~54:TRANSPORT TROLLEY FOR PLATE PROCESSING ~71:Zhejiang Aoli New Material Technology Co., Ltd., No. 389-1, Yuanli Avenue, Miaigao Street, Suichang County, Lishui City, Zhejiang Province, 323000, People's Republic of China ~72: CHEN, Dali;DONG, Rongming;LI, Wen'ao;LU, Sulong;WANG, Yongfa;XU, Hongwei;ZHANG, Laiming~ 33:CN ~31:202311245917.3 ~32:26/09/2023

2024/03361 ~ Complete ~54:SYSTEM, METHOD AND APPARATUS FOR FILTER AND OVERHANG PLUGGING DETECTION ~71:VALMONT INDUSTRIES, INC., One Valmont Plaza Omaha, United States of America ~72: DIXON, Joshua M.;KASTL, John~ 33:US ~31:63/252,703 ~32:06/10/2021

2024/03386 ~ Complete ~54:LIPID NANOPARTICLE (LNP) COMPOSITIONS AND METHODS OF USE THEREOF ~71:THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, 3600 Civic Center Boulevard, 9th Floor, Philadelphia, Pennsylvania, 19104, United States of America ~72: HANWEN ZHANG;MARGARET M BILLINGSLEY;MICHAEL MITCHELL;SAVAN PATEL;XUEXIANG HAN~ 33:US ~31:63/251,255 ~32:01/10/2021;33:US ~31:63/290,220 ~32:16/12/2021

2024/03388 ~ Complete ~54:SMALL MOLECULES FOR TREATMENT OF CANCER ~71:VRISE THERAPEUTICS, INC., Harvard Square, One Mifflin Pl, Ste 400, United States of America ~72: BHAVAR, Prashant Kashinath;GANDHAM, Adilakshmi;KSHIRSAGAR, Anuj Ramesh;SARMA, Partha Pratim;SURAMPUDI, Uday Kumar~ 33:IN ~31:202141046053 ~32:08/10/2021;33:US ~31:63/308,727 ~32:10/02/2022

2024/03342 ~ Provisional ~54:A SUGAR SYRUP FORMULATION AND METHOD FOR PRODUCING SAME ~71:SUPER SYRUPS PROPRIETARY LIMITED, 16 Kiepersol Crescent, Atlas Gardens, Durbanville, Cape Town 7550, SOUTH AFRICA, South Africa ~72: ENGELBRECHT, Willem Christiaan~

2024/03343 ~ Provisional ~54:INTERNET ACCESS METHOD AND INSTALLATION ~71:VAN DE GRAAF, Naomi, 297 28th Avenue, South Africa ~72: VAN DE GRAAF, Naomi~

2024/03346 ~ Complete ~54:ROADWAY SUPPORT EQUIPMENT FOR DYNAMIC PRESSURE ROADWAY AND GOB-SIDE ENTRY RETENTION AND METHOD THEREOF ~71:Huainan Normal University, Dongshan West Road, Tianjiaan District, Huainan City, Anhui Province, People's Republic of China ~72: DOU Litong;FU Qiang;HUANG Kaifeng;LI Dong;MIAO Wenbo;SONG Benjia;WU Long;ZHOU Ruihong~ 33:CN ~31:2023110254982 ~32:14/08/2023

2024/03352 ~ Complete ~54:ROLLER SCREEN ~71:CPC CRUSHING PROCESSING GMBH, Finkenstrasse 17, 74229, Oedheim, Germany ~72: BRUNO GÖTZ~ 33:DE ~31:20 2023 102 407.6 ~32:04/05/2023

2024/03353 ~ Complete ~54:HOLDER ASSEMBLY FOR ELECTRIC TOOTHBRUSH AND ELECTRIC TOOTHBRUSH ~71:SHENZHEN SHUYE TECHNOLOGY CO., LTD., 1301, Bldg. T7, Qianhai Jiali Business Center, 399 Qianwan 1st Rd., Nanshan St., Shengang Coop. Zone, Shenzhen, People's Republic of China ~72: Hongxin YE~ 33:CN ~31:2023105117769 ~32:06/05/2023

2024/03354 ~ Complete ~54:REMOTE SENSING DEVICE APPLIED TO IDENTIFYING ANCIENT TREES ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: Jia Rubing;Kuang Xu;Lyu Shiqi;Zhang Qiang;Zhao Zheng;Zhu Hengzhen;Zhu Shuqiang~

2024/03385 ~ Complete ~54:REACTOR HAVING DYNAMIC SPARGER ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: GREGORY JOSEPH MORIN;JOSS ANTON COOMBES;MAYUR SATHE;ROBERT JOHN CONRADO~ 33:US ~31:63/263,507 ~32:03/11/2021

2024/03383 ~ Complete ~54:AN ANTIMICROBIAL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDITA HALDER;SHANTHI APPAVOO~ 33:EP ~31:21210242.0 ~32:24/11/2021

2024/03376 ~ Complete ~54:LENTIVIRAL VECTORS FOR EXPRESSION OF HUMAN PAPILLOMAVIRUS (HPV) ANTIGENS AND ITS IMPLEMENTATION IN THE TREATMENT OF HPV INDUCED CANCERS ~71:INSTITUT PASTEUR, 25-28 rue du Docteur Roux, 75015, Paris, France;THERAVECTYS, Bat Pasteur Biotop 28 rue du Docteur Roux, 75015, Paris, France ~72: AMANDINE NOIRAT;FANNY MONCOQ;FRANÇOIS ANNA;INGRID FERT;LAETITIA DOUGUET;LALEH MAJLESSI;PIERRE CHARNEAU~ 33:EP ~31:21306581.6 ~32:15/11/2021;33:US ~31:63/279,945 ~32:16/11/2021;33:EP ~31:22306119.3 ~32:27/07/2022

2024/03384 ~ Complete ~54:CHIMERIC ADAPTOR POLYPEPTIDES ~71:ADICET THERAPEUTICS, INC., 1000 Bridge Pkwy, Redwood City, California, 94065, United States of America ~72: ARUN BHAT;BLAKE T AFTAB;DAULET SATPAYEV;JASON ROMERO;JONATHAN WONG;MARISSA HERRMAN;STEWART ABBOT~ 33:US ~31:63/272,613 ~32:27/10/2021

2024/03349 ~ Complete ~54:ELECTROMAGNETIC SCATTERING ANALYSIS WITH REDUCED-ORDER SPECTRAL-ELEMENT TIME-DOMAIN METHOD BASED ON PROPER ORTHOGONAL DECOMPOSITION ~71:Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232000, People's Republic of China ~72: Fan Zhenhong;Huainan Normal University;Ma Lixian~

2024/03357 ~ Complete ~54:BATTERY POWERED SMART LUGGAGE VEHICLE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAHULEKAR, Shravani Jayant;DANGE, Varsha;SHELKE, Prasad Ramnath;SHINDE, Nikhil Sunil;SHINDE, Pritam Bhausahab;SHIRSATH, Aditya Ramesh~

2024/03358 ~ Complete ~54:AN ATTENDANCE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: POTNIS, Hrishikesh S.;VAIDYA, Madhur P.~

2024/03368 ~ Complete ~54:LIPID NANOPARTICLE COMPOSITIONS FOR DELIVERING CIRCULAR POLYNUCLEOTIDES ~71:Orna Therapeutics, Inc., 500 Forge Road, WATERTOWN 02472, MA, USA, United States of America ~72: BARNES, Thomas;BECKER, Amy M.;HORHOTA, Allen T.;KAUFFMAN, Kevin;MOTZ, Gregory;WESSELHOEFT, Robert Alexander;YANG, Junghoon~ 33:US ~31:63/277,055 ~32:08/11/2021

2024/03371 ~ Complete ~54:SPECIFIC CONJUGATION OF AN ANTIBODY ~71:Hangzhou DAC Biotech Co., Ltd., 1st Building 12, No. 260 Sixth Street, Zhengtaizhongzi Sci &Tech Park, HEDA, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: GUO, Huihui;HUANG, Yuanyuan;LI, Wenjun;LIU, Xiaolei;WANG, Juan;YANG, Qingliang;YE, Hangbo;ZHANG, Lingli;ZHAO, Robert;ZHOU, You~

2024/03348 ~ Complete ~54:AR-BASED MEDICAL ENGLISH LISTENING AND SPEAKING TEACHING SYSTEM AND METHOD ~71:Guangzhou Medical University, No.1 Xinzao Road, Xinzao Town, Panyu District, Guangzhou City, Guangdong Province, 511436, People's Republic of China ~72: Gao Zhiyan;Zhang Mofei~

2024/03350 ~ Complete ~54:ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR ~71:Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, SUWON-SI 16677, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: PIAO, Yin-ji~ 33:US ~31:62/534,424 ~32:19/07/2017

2024/03355 ~ Complete ~54:SINGLE DOMAIN ANTIBODIES BINDING TO TETANUS NEUROTOXIN ~71:SMIVET B.V., Diemewei 4110, Netherlands ~72: DE SMIT, Abraham Johannes;HARMSSEN, Michaël Marie~ 33:EP ~31:18161521.2 ~32:13/03/2018

2024/03380 ~ Complete ~54:CHROMIUM PHOSPHINYL ISOINDOLE AMIDINE COMPLEXES FOR TETRAMERIZATION OF ETHYLENE ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, 10001 Six Pines Drive, The Woodlands, Texas, 77380, United States of America ~72: DANIEL H ESS;DOO-HYUN KWON;ORSON L SYDORA;STEVEN BISCHOF;URIAH J KILGORE~ 33:US ~31:17/521,494 ~32:08/11/2021

2024/03363 ~ Complete ~54:METHOD FOR SEPARATING RHODIUM ~71:HERAEUS PRECIOUS METALS GMBH & CO. KG, Heraeusstraße 12-14, Germany ~72: SAUER, Andre;STEMMLER, Marco~ 33:EP ~31:21211870.7 ~32:02/12/2021

2024/03382 ~ Complete ~54:SYSTEMS AND METHODS FOR GENERATING LABORATORY WATER AND DISTRIBUTING LABORATORY WATER AT DIFFERENT TEMPERATURES ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: MICHELLE LAFOND~ 33:US ~31:63/271,826 ~32:26/10/2021

2024/03378 ~ Complete ~54:SOLVENT COMPOSITIONS PROMOTING PLANT GROWTH ~71:WINFIELD SOLUTIONS, LLC, 4001 Lexington Avenue North, Arden Hills, Minnesota 55126, United States of America ~72: CATHERINE E WHITE;CLIFF WATRIN;DUSTYN SAWALL;MARCUS JONES;SHELBY STARK~ 33:US ~31:63/276,137 ~32:05/11/2021

2024/03360 ~ Complete ~54:LIPID NANOPARTICLES FOR OLIGONUCLEOTIDE DELIVERY ~71:ZIPHIUS NV, Heidestraat 19, Belgium ~72: CARDON, Christiaan;HAQUE, AKM Ashiquil;MC CAFFERTY, Séan;SAHU, Itishri;VALEMBOIS, Sophie~ 33:EP ~31:21205904.2 ~32:02/11/2021;33:EP ~31:22179399.5 ~32:16/06/2022

2024/03362 ~ Complete ~54:NETWORK NODE, USER EQUIPMENT, AND METHODS FOR HANDLING COMMUNICATIONS USING MULTIPLE SIM MODULES ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: ARAUJO, Lian;ARRAÑO SCHARAGER, Hernán Felipe;PHAN, Mai-Anh;SCHLIWA-BERTLING, Paul;STATTIN, Magnus~ 33:US ~31:63/262,150 ~32:06/10/2021

2024/03366 ~ Complete ~54:NOVEL NAV1.7 MONOCLONAL ANTIBODY ~71:Shionogi & Co., Ltd., 1-8, Doshomachi 3-chome, Chuo-ku, OSAKA-SHI 541-0045, OSAKA, JAPAN, Japan ~72: KASAI, Erika;NAKAMORI, Daiki;ONODA, Junji;TAKAHASHI, Tatsuya;YOSHIKAWA, Mai~ 33:JP ~31:2021-178982 ~32:01/11/2021;33:JP ~31:2022-005967 ~32:18/01/2022

2024/03370 ~ Complete ~54:SPECIFIC CONJUGATION FOR AN ANTIBODY-DRUG CONJUGATE ~71:Hangzhou DAC Biotech Co., Ltd., Building 12, No. 260 Sixth Street, ZhengTaiZhongZi Sci&Tech Park, HEDA, HANGZHOU 310018, ZHEJIANG, CHINA (P.R.C.), People's Republic of China ~72: BAI, Lu;GUO, Huihui;HUANG, Yuanyuan;JIA, Junxiang;LI, Wenjun;LIU, Xiaolei;WANG, Juan;YANG, Qingliang;YE, Hangbo;YE, Zhicang;ZHANG, Lingli;ZHAO, Linyao;ZHAO, Robert~ 33:IB ~31:2021/128453 ~32:03/11/2021;33:IB ~31:2022/123901 ~32:08/10/2022

2024/03359 ~ Complete ~54:TICKETING SYSTEM FOR SMART CITY BUSES ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BADKAS, Kshitij;BAGDE, Kunal;BAGDE, Samarth;BAGUL, Girish;BAGUL, Siddhi;KULKARNI, Mukund~

2024/03372 ~ Complete ~54:GALECTIN-10 ANTIBODIES ~71:argenx BV, Industriepark Zwijnaarde 7, GENT 9052, BELGIUM, Belgium ~72: PERCIER, Jean-Michel;VAN DER WONING, Paul Sebastian~ 33:GB ~31:2200597.9 ~32:18/01/2022

2024/03377 ~ Complete ~54:A PERSONAL CLEANSING COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ASHISH ANANT VAIDYA;PRAFUL GULAB RAO LAHORKAR;RAJKUMAR PERUMAL~ 33:EP ~31:21208863.7 ~32:17/11/2021

2024/03373 ~ Complete ~54:IMPROVED ANTIGEN BINDING RECEPTORS ~71:F. Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland ~72: CHEN, Guozhi;DAROWSKI, Diana;FREIMOSER-GRUNDSCHÖBER, Anne;KLEIN, Christian;MOESSNER, Ekkehard;WEI, Huafeng;XU, Dan;XU, Wei~ 33:EP ~31:21210364.2 ~32:25/11/2021

2024/03379 ~ Complete ~54:SYSTEM AND METHOD FOR GENERATING BUBBLES IN A VESSEL ~71:LANZATECH, INC., 8045 Lamon Avenue, Suite 400, Skokie, Illinois, 60077, United States of America ~72: ALLAN HAIMING GAO;BRIAN NELSON HORTON;CURTIS PAUL STUDEBAKER;ELHAM EBRAHIMIAQDA;JOSS ANTON COOMBES;MAYUR SATHE;RACHEL JANE BRENC;ROBERT JOHN CONRADO;XUELIANG LI~ 33:US ~31:17/453,476 ~32:03/11/2021

2024/03387 ~ Complete ~54:FC VARIANTS WITH ABOLISHED BINDING TO FCGAMMAR AND C1Q ~71:VISTERRA, INC., 275 2nd Avenue, United States of America ~72: BABCOCK, Gregory;DESHPANDE, Aditi;OLINSKI, Lauren;RAMAKRISHNAN, Ramki;SHRIVER, Zachary;VISWANATHAN, Karthik~ 33:US ~31:63/274,716 ~32:02/11/2021

2024/03364 ~ Complete ~54:APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING MODIFICATION DATA ON A POTENTIALLY MODIFYING OBJECT ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ADAMI, Alexander;GEIER, Matthias;HERRE, Jürgen;KOROTIAEV, Mikhail;SCHWÄR, Simon;WU, Yun-Han~ 33:EP ~31:21207294.6 ~32:09/11/2021

2024/03367 ~ Complete ~54: COSMETIC COMPOSITION COMPRISING CRANBERRY EXTRACT AND CRANBERRY SEED OIL ~71: Givaudan SA, Chemin de la Parfumerie 5, VERNIER 1214, SWITZERLAND, Switzerland ~72: DE TOLLENAERE, Morgane; REYNAUD, Romain; SCANDOLERA, Amandine ~ 33: GB ~31: 2114116.3 ~32: 01/10/2021

2024/03369 ~ Complete ~54: APTAMERS FOR PERSONAL HEALTH CARE APPLICATIONS ~71: The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: NAMANJA-MAGLIANO, Hilda Andamiche; PENNER, Gregory Allen; PITZ, Adam Michael; RUPARD, Spencer Christopher; SCHMEICHEL, Kelly Lee; SWIGART, Erin Nicole; TREJO, Amy Violet; VELASQUEZ, Juan Esteban; WAGNER, Matthew Scott ~ 33: EP ~31: 21214416.6 ~32: 14/12/2021

2024/03347 ~ Complete ~54: CLOTHING DESIGN WORKBENCH ~71: Anhui Vocational and Technical College, 2600 Wenzhong Road, Yaohai District, Hefei City, Anhui Province, People's Republic of China ~72: REN Xiaoli; SU Wei; ZHANG Li; ZHOU Yuqin ~

2024/03339 ~ Provisional ~54: FOOD VERIFICATION ~71: Vulindlela, 12 Tsitsikama, South Africa ~72: Vulindlela ~

2024/03341 ~ Provisional ~54: LIQUID LINER ARRANGEMENT ~71: Vortex Innovation Worx (Pty) Ltd, 4 Paddy Close, South Africa ~72: Calvin VAN DER WESTHUIZEN; Ryan FOWLER ~

2024/03345 ~ Complete ~54: HIGH-STABILITY HYDRAULIC TRUCK ~71: Zhejiang Aoli New Material Technology Co., Ltd., No. 389-1, Yuanli Avenue, Miaigao Street, Suichang County, Lishui City, Zhejiang Province, 323000, People's Republic of China ~72: DONG, Rongming; LI, Wen'ao; LU, Sulong; TANG, Shouli; WANG, Chunxi; WU, Jianyong; XU, Hongwei; XU, Jiagui; YANG, Jiali; ZHANG, Yajin; ZHOU, Wenbin ~ 33: CN ~31: 202310995753.X ~32: 09/08/2023

2024/03351 ~ Complete ~54: ENCODING METHOD AND APPARATUS THEREFOR, DECODING METHOD AND APPARATUS THEREFOR ~71: Samsung Electronics Co., Ltd., 129, Samsung-ro, Yeongtong-gu, SUWON-SI 16677, GYEONGGI-DO, REPUBLIC OF KOREA, Republic of Korea ~72: PIAO, Yin-ji ~ 33: US ~31: 62/534,424 ~32: 19/07/2017

2024/03356 ~ Complete ~54: A METHOD FOR PATTERN RECOGNITION ~71: VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: ADAK, Shantanu; AGARWAL, Priyasha; AGRAWAL, Nupur; DHABE, Priyadarshan; MATTOO, Aaryan ~

2024/03374 ~ Complete ~54: METHOD OF SAMPLING AND ANALYZING PROPERTIES OF DISCHARGED FILTER CAKE AND APPARATUS THEREOF ~71: FLSmidth A/S, Vigerslev Allé 77, VALBY 2500, DENMARK, Denmark ~72: BRUCE, Trevor; CHAPONNEL, James; HIDDING, Michael; SOK, Thien ~ 33: US ~31: 63/274,584 ~32: 02/11/2021

2024/03365 ~ Complete ~54: CHEMOLYTIC UPGRADING OF LOW-VALUE MACROMOLECULE FEEDSTOCKS TO HIGHER-VALUE FUELS AND CHEMICALS ~71: ADURO CLEAN TECHNOLOGIES, 1086 Modeland Road, Suite 104 Sarnia, Ontario N7S 6L2, Canada ~72: JHAWAR, Anil, K.; TRYGSTAD, W., Marcus; ~ 33: US ~31: 17/494,360 ~32: 05/10/2021

2024/03381 ~ Complete ~54: HETEROGENEOUS CATALYTIC REACTORS ~71: DIMENSIONAL ENERGY, INC., 95 Brown Road M/S 1033 Ithaca, New York, 14850, United States of America ~72: BRADLEY J BRENNAN; HOWARD M BRANZ; JASON SALFI; MIHIR GADA ~ 33: US ~31: 63/257,980 ~32: 20/10/2021

2024/03340 ~ Provisional ~54:A PIECE FOR A GAME ~71:PRIMIC, Nazrene, 2 RANKIN WAY, EDGEMEAD, CAPE TOWN, 7441, SOUTH AFRICA, South Africa ~72: PRIMIC, Nazrene~

- APPLIED ON 2024/05/02 -

2024/03400 ~ Complete ~54:TOUCH SPEAK BRAILLE LEARNER ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BACHHAV, Pranav;BHAT, Aditi;BHOYAR, Aditya;CHAROLIYA, Zulfikar;CHAVAN, Aayush;PARKHI, Vrinda;RAJAS, Neha~

2024/03421 ~ Complete ~54:PRINTING PLATE FOR DISPENSING A PRINTING INK, PRINTING SYSTEM, AND METHOD FOR PRINTING A CONTAINER ~71:Ardagh Metal Packaging Europe GmbH, Grafenauweg 4, ZUG 6300, SWITZERLAND, Switzerland ~72: BROUWER, Oscar;LE, Jiamin~ 33:DE ~31:10 2021 128 652.2 ~32:03/11/2021

2024/03419 ~ Complete ~54:DRUG CONJUGATES AND METHODS OF PREPARING AND USING THE SAME ~71:Adcentrx Therapeutics Inc., 5580 Morehouse Drive, Suite 210, SAN DIEGO 92121, CA, USA, United States of America ~72: CHU-KUNG, Alexander Fann-yan;LEE, Dong Jun;LI, Richard Hui;MAHLOCH, Alexis Brooke;NYE, Erin Morgan~ 33:US ~31:63/275,403 ~32:03/11/2021

2024/03393 ~ Complete ~54:SYNTHETIC CHIMERIC POXVIRUSES ~71:TONIX PHARMA LIMITED, No. 56 Fitzwilliam Square North, Dublin 2, D02 X224, Ireland;TONIX PHARMACEUTICALS HOLDING CORP., 26 Main Street, Suite 101 Chatham, New Jersey, 07928, United States of America ~72: DAVID EVANS;RYAN NOYCE;SETH LEDERMAN~ 33:US ~31:62/416,577 ~32:02/11/2016;33:US ~31:62/434,794 ~32:15/12/2016

2024/03395 ~ Complete ~54:A COUPON POOLING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BASARIKATTI, Shreya Sachin;CHINCHMALATPURE, Sheela;JOSHI, Dipali;SAMNERKAR, Archit Atul;SHARMA, Pratham Rajesh;SIKCHI, Arjun;SINGH, Divyanshi~

2024/03408 ~ Complete ~54:PRINTED PACKAGING MATERIAL WITH IMPROVED RECYCLABILITY AND METHOD FOR ITS PRODUCTION ~71:CONSTANTIA PIRK GMBH & CO. KG, Pirkmühle 14 - 16, Germany ~72: BÜTTNER, Stefan;DEWALD, Inna;GREFENSTEIN, Achim;KESMARSZKY, Thomas~ 33:DE ~31:10 2021 128 655.7 ~32:03/11/2021;33:DE ~31:20 2021 106 227.4 ~32:03/11/2021

2024/03392 ~ Complete ~54:HYDRAULIC ACTUATOR FOR CONTROLLING OPERATIONS OF DRILLING MACHINES ~71:CATERPILLAR INC., 100 NE Adams Street, United States of America ~72: GOSLOVICH, Kurt Steven;NARAYANAN, Rameshkrishnan Lakshmi;S., Vignesh;VEDARAJ, Anand Jason~ 33:AU ~31:2023203152 ~32:19/05/2023

2024/03394 ~ Complete ~54:A MACHINE LEARNING BASED GROUP RECOMMENDATION SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: SALVE, Sahil;SHAIKH, Shafaque;SHEVALE, Prasad;SHIDGANESH, Anirudh;SHINDE, Mrunal;SOBALE, Shital~

2024/03409 ~ Complete ~54:ACTIVATABLE CYTOKINE CONSTRUCTS AND COMBINATION METHODS ~71:CYTOMX THERAPEUTICS, INC., 151 OYSTER POINT BOULEVARD, SUITE 400, SOUTH SAN FRANCISCO, CALIFORNIA 94080, USA, United States of America ~72: BEREZHNOY, Alexey, Yevgenyevich;CAI, Na;DANIEL, Dylan, L.;LAPUYADE, Nicole, G.;LE SCOLAN, Erwan;PAIDHUNGAT, Madan, M.;WINTER, Michael B.;WONG, Kenneth~ 33:US ~31:63/253,893 ~32:08/10/2021;33:US ~31:63/328,525 ~32:07/04/2022

2024/03416 ~ Complete ~54:COMPOSITIONS FOR CELL-BASED THERAPIES AND RELATED METHODS ~71:SIGILON THERAPEUTICS, INC., 100 Binney St, Ste 600, Cambridge, Massachusetts, 02142, United States of America ~72: HOZEFA BANDUKWALA;LAUREN E JANSEN;LAUREN EMILY BARNEY;SUSAN J DRAPEAU~ 33:US ~31:63/273,638 ~32:29/10/2021

2024/03398 ~ Complete ~54:AN INVENTORY MANAGEMENT SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: BAGMARE, Sandesh;GURAKHE, Samiksha;SAWANT, Sahil Ashok;SHAIKH, Tayyab Salim;SOBALE, Shital~

2024/03414 ~ Complete ~54:BUTYROPHILIN (BTN) 3A ACTIVATING ANTIBODIES FOR USE IN METHODS FOR TREATING INFECTIOUS DISORDERS ~71:ASSISTANCE PUBLIQUE HOPITAUX DE MARSEILLE, 80 rue Brochier, 13005, Marseille, France;CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3, rue Michel Ange, 75016, PARIS, France;IMCHECK THERAPEUTICS SAS, 180 avenue du Prado, 13008, Marseille, France;INSERM (INSTITUT NATIONAL DE LA SANTÉ ET DE LA RECHERCHE MÉDICALE), 101, rue de Tolbiac 75013 Paris, France;INSTITUT DE RECHERCHE POUR LE DEVELOPPEMENT (I.R.D.), Immeuble le Sextant 44 Bd Dunkerque CS90009, 13002, MARSEILLE 2, France;INSTITUT JEAN PAOLI & IRENE CALMETTES, 232 boulevard Sainte- Marguerite, 13009, MARSEILLE, France;UNIVERSITÉ D'AIX-MARSEILLE, 58 Boulevard Charles Livon 13007 Marseille, France ~72: ALEMSEGED TRUNEH;DANIEL OLIVE;JEAN-LOUIS MEGE;LAETITIA GAY;PAUL FROHNA;SORAYA MEZOUAR~ 33:EP ~31:21306505.5 ~32:27/10/2021

2024/03401 ~ Complete ~54:AN AUTONOMOUS SELF BALANCING ROBOT ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: DEGAONKAR, Kishori;JAMBHULKAR, Rajat;PATIL, Varad;PAWAR, Shantanu;POKE, Akhilesh~

2024/03389 ~ Provisional ~54:AI IMAGE PROCESSING METHOD AND CONVERSION ~71:Lionel Nicolas Mantzivis, No1 villa Tosca Valencia street Ultzicht Durbanville, South Africa ~72: Lionel Nicolas Mantzivis~

2024/03406 ~ Complete ~54:ATMOSPHERE FURNACE CONTROL ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Ahmed KHELASSI;Morvan PLUNIAN;Walter DAL'MAZ SILVA~ 33:IB ~31:PCT/IB2021/061686 ~32:14/12/2021

2024/03417 ~ Complete ~54:ISOLATION ROOM APPARATUS ~71:Care Strategic D.I.R. Holdings Pty. Ltd., 18 Silky Oak Court, NINDERRY 4561, QUEENSLAND, AUSTRALIA, Australia ~72: BALLANTYNE, Anna Louise;BALLANTYNE, Justin Douglas;BURKWOOD, James Edward Robert~ 33:AU ~31:2021903505 ~32:03/11/2021

2024/03403 ~ Complete ~54:A MOTORCYCLE SHARING AND TRACKING SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, Upper Market RD, Upper Indira Nagar, Bibwewadi, Pune, Maharashtra, 411037, India ~72: CHAVAN, Puja;NALAWADE, Shravani;PANDAV, Sahish;PANDE, Madhura;TIDKE, Om~

2024/03391 ~ Provisional ~54:"&SAFE - ADVANCED SECURITY FRAMEWORK FOR PROTECTING HIDDEN DATA AND APPLICATIONS IN DIGITAL ENVIRONMENTS" ~71:JH Reynders, 3 Van Der Stel Street, South Africa ~72: Johan Hendrik Reynders~

2024/03399 ~ Complete ~54:A REAL-TIME HIVE WELLNESS SURVEILLANCE SYSTEM ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: INGALE, Kiran;KHOBRADE, Sachi;KHOT, Parth;KOHAD, Nakul;KUMBHAR, Shashank~

2024/03397 ~ Complete ~54:AN IOT BASED SENSING AND AUTOMATION IN KABADDI COURTS
~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR,
BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMOGH, Devidas Deshmukh;AMOGH, Nagesh
Deshpande;DESHMUKH, Shravani Hanumant;MHETRE, Manisha~

2024/03402 ~ Complete ~54:A WASTE PROCESSING MACHINE FOR CONVERTING FOOD WASTE INTO A
USABLE ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA
NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72: AMUNE, Amruta;JADHAV, Swati V.;JOSHI,
Shashank D.;MOHITE, Sagar G.;MUSALE, Vinayak P.;PISE, Nitin N.;RAJPUT, Vaishali~

2024/03404 ~ Complete ~54:AUTOMATIC LOGIN SYSTEM ~71:VISHWAKARMA INSTITUTE OF
TECHNOLOGY, 666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA,
411037, India ~72: CHAVAN, Puja;MATHE, Vijay;PANDHARE, Abhay;PATIL, Ruturaj;PATIL, Sujay~

2024/03412 ~ Complete ~54:ANTIMICROBIAL COMPOSITIONS AND METHODS FOR TREATING PLANT
DISEASES ~71:THOMAS D JOHNSON, P O Box 21 Buffalo, SD 57720, United States of America ~72: THOMAS
D JOHNSON~ 33:US ~31:17/516,229 ~32:01/11/2021

2024/03418 ~ Complete ~54:NOVEL AURISTATIN ANALOGS AND IMMUNOCONJUGATES THEREOF
~71:Adcentrx Therapeutics Inc., 5580 Morehouse Drive, Suite 210, SAN DIEGO 92121, CA, USA, United States
of America ~72: LEE, Dong Jun;LI, Richard Hui~ 33:US ~31:63/275,177 ~32:03/11/2021;33:US
~31:63/295,476 ~32:30/12/2021

2024/03390 ~ Provisional ~54:PLAYLIST IT ~71:Kagiso Mashigo, Mamelodi No.10212, Cnr aphane Nhlapo &
Ben Masilela, South Africa ~72: Kagiso Mashigo~ 33:ZA ~31:15 ~32:01/05/2024

2024/03396 ~ Complete ~54:A FALL GUARDIAN BAND ~71:VISHWAKARMA INSTITUTE OF TECHNOLOGY,
666, UPPER MARKET RD, UPPER INDIRA NAGAR, BIBWEWADI, PUNE, MAHARASHTRA, 411037, India ~72:
ASHTAGI, Rashmi Murgendra;CHITPUR, Shreeshail Jagdeesh;CHIVATE, Atharva Balasaheb;CHOPADE,
Pratiksha Dattatray;DASHETWAR, Isha Satish~

2024/03426 ~ Complete ~54:SUBSTITUTED 6-AZABENZIMIDAZOLE COMPOUNDS AS HPK1 INHIBITORS
~71:GILEAD SCIENCES, INC., 333 LAKESIDE DRIVE, FOSTER CITY, United States of America ~72: BALAN,
GAYATRI;BARTLETT, MARK J.;CHANDRASEKHAR, JAYARAMAN;CODELLI, JULIAN A.;CONWAY, JOHN
H.;COSMAN, JENNIFER L.;KALLA, RAO V.;KASUN, ZACHARY A.;KIM, MUSONG;LEE, SEUNG H.;LO,
JENNIFER R.;LOYER-DREW, JENNIFER A.;MITCHELL, SCOTT A.;PERRY, THAO D.;PHILLIPS, GARY
B.;SALVO, PATRICK J.;SWAMINATHAN, SUNDARAMOORTHY;VAN VELDHUIZEN, JOSHUA J.;YEUNG, SUET
C.;ZABLOCKI, JEFF~ 33:US ~31:62/753,339 ~32:31/10/2018;33:US ~31:62/868,550 ~32:28/06/2019

2024/03411 ~ Complete ~54:SUSTAINED RELEASE INJECTABLE PHARMACEUTICAL FORMULATION OF
LEVOTHYROXINE AND PROCESS FOR PREPARATION THEREOF ~71:PHARMATHEN S.A., 6
DERVENAKION STREET, 15351 PALLINI ATTIKIS, GREECE, Greece ~72: BRIEUDES, Vincent;CHAITIDOU,
Sotiria;KALANTZI, Lida;KALEZI, Artemis;KARAVAS, Evangelos;KATSENIS, Athanasios;KOTTI,
Katerina;KOUTRIS, Efthymios;LEMONAKIS, Nikos;PAPADAKI, Anna~ 33:GR ~31:20210100683
~32:06/10/2021;33:GB ~31:2119164.8 ~32:13/12/2021

2024/03415 ~ Complete ~54:ANTIBODIES AGAINST EXTRACELLULAR EPITOPES OF HUMAN TRPV6
CHANNEL AND THEIR DIAGNOSTIC AND THERAPEUTIC USES ~71:INSERM (INSTITUT NATIONAL DE LA
SANTÉ ET DE LA RECHERCHE MÉDICALE), 101 rue de Tolbiac, 75013, Paris, France;UNIVERSITE DE LILLE,
42 Rue Paul Duez, 59000, LILLE, France ~72: AURÉLIEN HAUSTRATE;NATALIA
PREVARSKAYA;V'YACHESLAV LEHEN'KYI~ 33:EP ~31:21306438.9 ~32:14/10/2021

2024/03407 ~ Complete ~54:HEATING METHOD OF A METALLIC PRODUCT ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Akshay BANSAL;Benjamin BOISSIERE;Gérard GRIFFAY~ 33:IB ~31:PCT/IB2021/061689 ~32:14/12/2021

2024/03410 ~ Complete ~54:BIODEGRADABLE WIPE ~71:GLATFELTER HOLDING (SWITZERLAND) AG, PICASSOPLATZ 8, 4052 BASEL, SWITZERLAND, Switzerland ~72: SINGH, Vinitkumar~ 33:DK ~31:PA 2021 70495 ~32:06/10/2021;33:US ~31:63/252,649 ~32:06/10/2021

2024/03413 ~ Complete ~54:ADMINISTRATION OF C5-BINDING PROTEINS ~71:IPC RESEARCH, LLC, 234 Church Street, Suite 1020, New Haven, Connecticut, 06510, United States of America ~72: ERIC JACOB WATSKY;HAREN ASHWANIKUMAR VASAVADA;STEPHEN UDEN;ZUBIN MINOO BHAGWAGAR~ 33:US ~31:63/274,480 ~32:01/11/2021

2024/03420 ~ Complete ~54:HIGH-STRENGTH AND HIGH-HARDNESS REINFORCED WEAR-RESISTANT STEEL AND MANUFACTURING METHOD THEREFOR ~71:Baoshan Iron & Steel Co., Ltd., NO.885, Fujin Road, Baoshan District, SHANGHAI 201900, CHINA (P.R.C.), People's Republic of China ~72: DING, Jianhua;LI, Hongbin;LIU, Zicheng;WU, Kougen~ 33:CN ~31:202111292512.6 ~32:03/11/2021

2024/03405 ~ Complete ~54:HYBRID MATRIX MULTIPLIER ~71:SYNTHARA AG, Josefstrasse 219, 8005, Zurich, Switzerland ~72: GUTTA, Avinash;NAIR, Manu Vijayagopalan~ 33:EP ~31:21207400.9 ~32:10/11/2021

- APPLIED ON 2024/05/03 -

2024/03436 ~ Complete ~54:EXTENDED RANGE OF FUEL CELL MACHINE ~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, United States of America ~72: LANE, Cameron, Thomas~ 33:US ~31:17/519,338 ~32:04/11/2021

2024/03442 ~ Complete ~54:FEEDBACK PROVISION SYSTEM COMPRISING AN AEROSOL PROVISION SYSTEM AND A HEARING AID ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: LUKAN, Sean~ 33:US ~31:17/453,691 ~32:05/11/2021

2024/03440 ~ Complete ~54:HIGH-THROUGHPUT, MODULAR, PORTABLE, LIVE-IMAGING ROOT SYSTEM AND METHOD ~71:King Abdullah University of Science and Technology, 4700 King Abdullah University of Science and Technology, THUWAL 23955-6900, SAUDI ARABIA, Saudi Arabia ~72: BLILOU, Ikram;LUBE, Vinicius M.;PRZYBYSZ, Alexander;SALAMA, Khaled Nabil~ 33:US ~31:63/252,769 ~32:06/10/2021

2024/03431 ~ Complete ~54:HELIOSTAT AND METHOD FOR SHAPING THEREOF ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, South Africa ~72: SMIT, Willem Jacobus~ 33:GB ~31:2306600.4 ~32:04/05/2023

2024/03425 ~ Provisional ~54:MICROBIOLOGICAL HAZARD MONITORING PROGRAMME ~71:DHANANI, Karim, Colin, Hassan, 9 FISANT ROAD, ONDERPAPEGAAIBERG, STELLENBOSCH, 7600, South Africa;STEINMANN, Harris, 18 PRINCESS AVENUE, BISHOPSCOURT VILLAGE, South Africa ~72: DHANANI, Karim, Colin, Hassan;STEINMANN, Harris~

2024/03430 ~ Complete ~54:CLOSED THORACIC DRAINAGE DEVICE ~71:SHUNDE HOSPITAL OF SOUTHERN MEDICAL UNIVERSITY (THE FIRST PEOPLE'S HOSPITAL OF SHUNDE), No.1 Jiazi Road, Licun Village Committee, People's Republic of China ~72: CAO, Xingxia;FAN, Ximei;HE, Qiming;HUANG, Shubei;LIU, Zhiwei;XIE, Shunhua;ZHAN, Jintao~ 33:CN ~31:2023115277482 ~32:15/11/2023

2024/03444 ~ Complete ~54:PROCESS FOR UPGRADING AN OXYGENATE FEEDSTOCK INTO HYDROCARBON FRACTIONS AND OTHER APPLICATIONS ~71:COMPAÑÍA ESPAÑOLA DE PETRÓLEOS,

S.A., Paseo de la Castellana, Spain ~72: AYUSO MARTÍN, Carlos;FRONTELA DELGADO, Juana María;LARRAZ MORA, Rafael;RODRÍGUEZ DE LA NUEZ, Fernando Aridane~ 33:EP ~31:21383031.8 ~32:12/11/2021

2024/03422 ~ Provisional ~54:SOFT SHACKLE ~71:SOUTHERN ROPES PROPRIETARY LIMITED, 4 Beach Road, Woodstock, South Africa ~72: MARCUS TWINE~

2024/03432 ~ Complete ~54:WATER FITTING ~71:Hans Sasserath GmbH & Co. KG, Mühlenstraße 62, KORSCHENBROICH 41352, GERMANY, Germany ~72: HECKING, Willi~ 33:DE ~31:20 2023 102 409.2 ~32:04/05/2023

2024/03429 ~ Complete ~54:COMPOSITIONS ~71:MEXICHEM FLUOR S.A. DE C.V., Eje 106 (sin Número), Zona Industrial, Mexico ~72: LOW, Robert E.~ 33:GB ~31:1712813.3 ~32:10/08/2017

2024/03424 ~ Provisional ~54:CONSTRUCTION METHOD ~71:OOSTHUIZEN, Coenraad Cornelius, 342 Oklahoma Road, Faerie Glen, South Africa ~72: CANTAMESSA, Giovanni (Snr)~

2024/03433 ~ Complete ~54:NON-ROTATING BIT FOR CUTTING TOOL ~71:CATERPILLAR PAVING PRODUCTS INC., 9401 85th Avenue N, United States of America ~72: BARNARD, Christopher;CARR, Robert;CASTILLO, David;JOHNSON, Nicholas B.;MILLS, Ronald D.;PARZYNSKI, Jr., David B.;RHODE, Jeff~ 33:US ~31:18/320,679 ~32:19/05/2023

2024/03434 ~ Complete ~54:TREATMENT OF OSTEOGENESIS IMPERFECTA ~71:GENZYME CORPORATION, 450 Water Street, Cambridge, Massachusetts, United States of America ~72: MAVROUDIS, Panteleimon D;PILLAI, Nikhil;WANG, Qingping~ 33:US ~31:63/274,503 ~32:01/11/2021;33:EP ~31:22315238.0 ~32:13/10/2022

2024/03439 ~ Complete ~54:SURGE ARRESTER INCLUDING A DISCONNECTOR AND RELATED EXTINGUISHING/DEIONIZATION CHAMBER ~71:ZOTUP S.R.L., Via Agostino Depretis 11, Italy ~72: D'IPPOLITO, Gianfranco~ 33:IT ~31:102021000028448 ~32:09/11/2021

2024/03466 ~ Provisional ~54:HORIZONTAL SPACER TRAY ~71:BUTI ABRAM MOLEFE, 120 BLOCK G, LETLHABILE, South Africa ~72: BUTI ABRAM MOLEFE~

2024/03428 ~ Complete ~54:A NOVEL BACTERIAL COMPOSITION FOR PLANT GROWTH ~71:Nagaland University, Nagaland University, Lumami Headquarters, Zunheboto district, Nagaland, 798627, India ~72: Chitta Ranjan Deb;Mum Tatung~ 33:IN ~31:202431028204 ~32:05/04/2024

2024/03438 ~ Complete ~54:A VERTICAL LAWN ~71:SHAH, Sujay Ashvin, 2403, Pearl Residency, Opp. Honda Showroom, Sayani Road, India ~72: SHAH, Sujay Ashvin~ 33:IN ~31:202121046149 ~32:11/10/2021

2024/03443 ~ Complete ~54:NITROXOLINE FOR USE IN THE TREATMENT OR PREVENTION OF A PLEXIFORM NEUROFIBROMA ~71:HEALX LIMITED, Charter House, 66-68 Hills Road, United Kingdom ~72: BROWN, David~ 33:GB ~31:2116743.2 ~32:19/11/2021

2024/03427 ~ Complete ~54:A NOVEL BACTERIAL CONSORTIUM FOR PLANT GROWTH IN HEAVY METALS AND SALINITY ~71:Nagaland University, Nagaland University, Lumami Headquarters, Zunheboto district, Nagaland, 798627, India ~72: Chitta Ranjan Deb;Mum Tatung~ 33:IN ~31:202431029655 ~32:12/04/2024

2024/03437 ~ Complete ~54:APPARATUS AND METHOD FOR MAINTAINING GAS PRESSURE IN AN ELECTROLYZER USING AN ELECTRIC GENERATOR CONFIGURED TO CAPTURE KINETIC ENERGY OF ELECTROLYSIS PRODUCTS ~71:MARINE DOLPHIN ENTERPRISES, LLC, 63 LINCOLN ROAD, SCARSDALE,

NEW YORK 10583, USA, United States of America ~72: FAHRLÄNDER, Klaus;GARFUNKEL, Alan, J.;SANTOS, Bruce;THOMPSON, Samuel, A.~ 33:US ~31:63/271,755 ~32:26/10/2021

2024/03467 ~ Provisional ~54:GLOBAL SURFACE WIND TURBINE TO PRODUCE AC/DC CURRENT ~71:LLEWELLYN DAVID WILLIAMS, 192 Senior Drive, Northcliff, Johannesburg, South Africa ~72: LLEWELLYN DAVID WILLIAMS ~

2024/03423 ~ Provisional ~54:A SYSTEM AND METHOD FOR PROVIDING A PLURALITY OF SERVICES ~71:VIPER NETWORKS, INC., 200 E Big Beaver Rd., United States of America ~72: SHOUEKANI, Farid~

2024/03435 ~ Complete ~54:MULTIVALENT INFLUENZA VACCINES ~71:SANOVI PASTEUR INC., 1 Discovery Drive, Swiftwater, United States of America ~72: ALEFANTIS, Timothy;BARRO, Mario;BYERS, Anthony;DAVIDSON, Philip;GIEL-MOLONEY, Maryann;GILBERT, Philippe-Alexandre;KLEANTHOUS, Harold;NAIK, Armaghan;PUGACHEV, Konstantin;SRIDHAR, Saranya;WARREN, William;ZELDOVICH, Konstantin~ 33:US ~31:63/253,986 ~32:08/10/2021;33:US ~31:63/277,848 ~32:10/11/2021

2024/03441 ~ Complete ~54:FEEDBACK PROVISION SYSTEM COMPRISING AN AEROSOL PROVISION SYSTEM AND AN AUDIO OUTPUT DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: LUKAN, Sean~ 33:US ~31:17/453,688 ~32:05/11/2021

- APPLIED ON 2024/05/06 -

2024/03461 ~ Complete ~54:COMPOUNDS FOR TREATING MDS-ASSOCIATED ANEMIAS AND OTHER CONDITIONS ~71:Agiros Pharmaceuticals, Inc., 88 Sidney Street, CAMBRIDGE 02139, MA, USA, United States of America ~72: BEYNON, Vanessa;BHATIA, Suman Joy;DANG, Lenny;DIBACCO, Melissa L.;IYER, Varsha V.;KUNG, Charles;LYNCH, Megan;URBSTONAITIS, Rolandas;XIAO, Zhen;YIN, Ophelia Qiping~ 33:US ~31:63/280,069 ~32:16/11/2021;33:US ~31:63/357,240 ~32:30/06/2022

2024/03463 ~ Complete ~54:PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: PING WEI;WEI BIAN~ 33:CN ~31:PCT/CN2021/134721 ~32:01/12/2021;33:EP ~31:22151278.3 ~32:13/01/2022

2024/03451 ~ Complete ~54:GUIDE DEVICE FOR RAIL LAYING OF RAILWAY TRACK ~71:CHINA RAILWAY LIUYUAN GROUP CO., LTD., 36 Zhonghuan West Road, Tianjin Pilot Free Trade Zone (Airport Economic Zone), People's Republic of China ~72: FAN, Junhuai;GENG, Geng;HAN, Bing;MI, Yang;REN, Chuangchuang;WANG, Fei;WANG, Ning;ZHANG, Guohu;ZHANG, Xiang;ZHANG, Xu~

2024/03447 ~ Provisional ~54:RECEPTACLE FOR USE AS A BALLAST IN A SOLAR PANEL MOUNTING SYSTEM ~71:SYNERGISTEC (PTY) LTD, 15 Beverly Lane, Simbhiti Eco Estate, South Africa ~72: TBA~

2024/03464 ~ Complete ~54:METHODS AND SYSTEMS FOR SYNTHESIZING FUEL FROM CARBON DIOXIDE ~71:CARBON ENGINEERING ULC, 37322 Galbraith Road, Canada ~72: GILL, Pawanjot Kaur;HEIDEL, Kenton Robert;JOHNSON, Tim;JUNG, Caroline Jiwon;KEMP, Kyle Wayne;LAI, Hai Ming;RITCHIE, Jane Anne;TEMKE, Marcus;VAN DE PANNE, Job~ 33:US ~31:63/281,444 ~32:19/11/2021

2024/03445 ~ Provisional ~54:PROGRAMMABLE REGULATION SIZE VISOR WITH CALIBRATION, MULTIPLE SELECTABLE FLIP OVER VISOR USE ~71:Denis KRASSAS, 4 Smyrna Court 195 Nigel Road Selcourt, South Africa ~72: Denis KRASSAS~

2024/03448 ~ Provisional ~54:OPHTHALMOLOGICAL DEVICE AND METHOD FOR CORNEAL MOULDING ~71:SAKS, Asher Abraham, 20 Pelican Parade, Melkbosstrand, 7441, SOUTH AFRICA, South Africa;SAKS,

Conrad, 1122 Cardiff Ave, Apt. # 4, Los Angeles 90035, California, USA, United States of America ~72: SAKS, Asher Abraham;SAKS, Conrad~

2024/03453 ~ Complete ~54:WIRE MANAGEMENT SYSTEM FOR TONNEAU COVER ~71:WORKSPORT LTD., 55 East Beaver Creek Drive #40, Canada ~72: ASIS, Nathan;LOUDON, Jonathan;MACDONALD, Jason;ROSSI, Steven~ 33:US ~31:63/280,235 ~32:17/11/2021

2024/03458 ~ Complete ~54:APTAMERS FOR PERSONAL HEALTH CARE APPLICATIONS ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: NAMANJA-MAGLIANO, Hilda Andamiche;PENNER, Gregory Allen;PITZ, Adam Michael;RUPARD, Spencer Christopher;SCHMEICHEL, Kelly Lee;SWIGART, Erin Nicole;TREJO, Amy Violet;VELASQUEZ, Juan Esteban;WAGNER, Matthew Scott~ 33:EP ~31:21214416.6 ~32:14/12/2021

2024/03459 ~ Complete ~54:SMALL MOLECULE MODULATORS OF GLUCOCEREBROSIDASE ACTIVITY AND USES THEREOF ~71:Vanqua Bio, Inc., 1375 W Fulton Street, Suite 600, CHICAGO 60607, IL, USA, United States of America ~72: BRITTIN, Jeremiah;HUNT, Kevin;LEI, Zhiquan;SHEN, Sida;SHEYKA, Greg;ZHENG, Jianbin~ 33:US ~31:63/255,272 ~32:13/10/2021

2024/03465 ~ Complete ~54:CRYSTAL FORM OF ISOBUTYRATE NUCLEOSIDE COMPOUND, AND PREPARATION METHOD ~71:Shenzhen AntiV Pharma Co., Ltd., Room 1904, Building 10, Biomedical Innovation Industrial Park, No. 14 Jinhui Road, Jinsha Community, Kengzi Street, Pingshan District, Shenzhen,, Guangdong, 518000, People's Republic of China ~72: LI Guanguan;LI Yingjun;ZHANG Xumu;ZHOU Qifan~ 33:CN ~31:2021113041349 ~32:04/11/2021;33:CN ~31:202210285185X ~32:23/03/2022

2024/03452 ~ Complete ~54:SYSTEMS, METHODS AND APPARATUS FOR PRODUCING SUSTAINABLE AVIATION FUEL ~71:KEPLER AEROSPACE LTD, 401 N Carroll Ave. Ste 192 Southlake, United States of America ~72: DVORIN, Jason;NELSON, Brent;SMITH, Michael~ 33:US ~31:17/495,335 ~32:06/10/2021

2024/03449 ~ Complete ~54:METHOD AND SYSTEM FOR QUERYING FOREST AND GRASS RESOURCES DATA WITH QUICK SPATIAL POSITIONING ~71:Institute of Forest Resource Information Techniques CAF, No.1 Dongxiaofu, Qinglongqiao Street, Xiangshan Road, Haidian District, Beijing City, 100091, People's Republic of China ~72: Hou Ruixia;Long Zhihao;Mao Yanxin;Yang Xuanxi~ 33:CN ~31:202410023509.1 ~32:08/01/2024

2024/03450 ~ Complete ~54:METHOD FOR IMPROVING QUALITY OF ACER TRUNCATUM SEEDLINGS AND NURSERY STOCKS BY WATER-FERTILIZER COUPLING ~71:Experimenttal Centre of Forestry in North China, Chinese Academy of Forestry, No.1 Shuizha West Road, Mentougou District, Beijing, 102300, People's Republic of China ~72: Du Manyi;Feng Huanying;He Shuxia;Li Panting;Pei Shunxiang;Song Wenjing;Wu Di;Zhang Lianjin;Zhang Liantao;Zheng YinCheng;Zhou Zeyu~

2024/03456 ~ Complete ~54:NUTRITIONAL COMPOSITION FOR IMPROVING SLEEP ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: MAINARDI, Fabio;SCHNEIDER, Nora~ 33:EP ~31:21202427.7 ~32:13/10/2021

2024/03454 ~ Complete ~54:METHOD FOR MEASURING THE THICKNESS OF A VARNISH LAYER ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Gwenaël LE NOC;Nathalie LABBE;Pauline LEVERONE;Shu Hui HAM~ 33:IB ~31:PCT/IB2021/061501 ~32:09/12/2021

2024/03457 ~ Complete ~54:METHOD FOR PRODUCING AN ANTIBODY PEPTIDE CONJUGATE ~71:Amgen Inc., One Amgen Center Drive, THOUSAND OAKS 91320-1799, CA, USA, United States of America ~72: DIEP, Jonathan~ 33:US ~31:63/227,597 ~32:09/11/2021

2024/03455 ~ Complete ~54:KRAS G12C INHIBITORS ~71:Frontier Medicines Corporation, 151 Oyster Point Boulevard, Second Floor, SOUTH SAN FRANCISCO 94080, CA, USA, United States of America ~72: DOTSENKO, Irina;ERLANSON, Daniel A.;GERKEN, Philip A.;PATEL, Snahel;TANAKA, Hiroko;WIDEN, John C.;WILLIAMS, Monika Jane~ 33:US ~31:63/276,478 ~32:05/11/2021;33:US ~31:63/356,906 ~32:29/06/2022;33:US ~31:63/403,565 ~32:02/09/2022

2024/03446 ~ Provisional ~54:POCKETS FITTED SHEET ~71:Abel Zakhele Hlumbane, 1945 Section E, South Africa;Abel Zakhele Hlumbane, 1945 Section E, South Africa ~72: Abel Zakhele Hlumbane~

2024/03460 ~ Complete ~54:MARINE FUEL BASE COMPRISING A COMPONENT OF RENEWABLE ORIGIN AND METHOD FOR MANUFACTURING SAME ~71:TotalEnergies OneTech, La Défense 6, 2 Place Jean Millier, COURBEVOIE 92400, FRANCE, France ~72: BOURDASSOL, Alix;HEYBERGER, Barbara;LE ROUX, Anthony~ 33:EP ~31:21306632.7 ~32:23/11/2021

2024/03462 ~ Complete ~54:PESTICIDAL COMPOSITIONS AND METHODS ~71:CORTEVA AGRISCIENCE LLC, 9330 Zionsville Road, Indianapolis, Indiana, 46268, United States of America ~72: JOSEPH C HERCAMP;RICARDO ACOSTA AMADO~ 33:US ~31:63/274,582 ~32:02/11/2021

- APPLIED ON 2024/05/07 -

2024/03470 ~ Provisional ~54:SCAFF-LOCK ~71:SCAFF-LOCK Pty Ltd, 1461 Oakmont crescent , Emfuleni Golf Estate, , S.W.5 , Vanderbijlpark , 1911, South Africa ~72: Markus van Wyk~

2024/03475 ~ Complete ~54:A COOLING SYSTEM FOR A MOTOR ~71:TSHWANE UNIVERSITY OF TECHNOLOGY, Building 20, Office 133 Staatsartillery Road, Pretoria, Gauteng, 0002, South Africa ~72: CHRISTIAAN COENRAD OOSTHUIZEN;IZAK NEL;LODEWYK BENEKE~

2024/03497 ~ Complete ~54:METHOD FOR TREATING A PETROL CONTAINING SULPHUR COMPOUNDS, COMPRISING A DILUTION STEP ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois-Préau, France ~72: COUDERC, Sophie;DEHLINGER, Marie;FECANT, Antoine;GOMEZ, Adrien;MARION, Marie-Claire~ 33:FR ~31:FR2114040 ~32:20/12/2021

2024/03508 ~ Complete ~54:METHANOL FROM BIOMASS GASIFICATION ~71:Casale SA, Via Giulio Pocobelli 6, LUGANO 6900, SWITZERLAND, Switzerland ~72: MOREO, Pietro;MUSCIONICO, Isabella~ 33:EP ~31:21214547.8 ~32:14/12/2021

2024/03492 ~ Complete ~54:BISPECIFIC ANTIBODIES TARGETING CD137 AND USES THEREOF FOR ANTI-CANCER IMMUNOTHERAPY ~71:AP BIOSCIENCES, INC., c/o AP BIOSCIENCES, INC. 11F-2, No. 508, Section 7, Zhongxiao East Road, Nangang District, Taipei City, 115011, Taiwan, Province of China ~72: CHING-HSUAN HSU;HSIN-TA HSIEH;JENG-HORNG HER;JHONG-JHE YOU;PO-LIN HUANG~ 33:US ~31:63/281,347 ~32:19/11/2021;33:US ~31:63/392,474 ~32:26/07/2022

2024/03501 ~ Complete ~54:DIRECT REPLACEMENT GENOME EDITING ~71:REPLACE THERAPEUTICS, LLC., 1250 Powell Street, Apt. 4 Emeryville, United States of America ~72: CHAVEZ, Leonard;CHICKERING, Michael;GREWAL, Parbir;HALPERIN, Schaked Omer~ 33:US ~31:63/278,886 ~32:12/11/2021;33:US ~31:63/341,200 ~32:12/05/2022

2024/03506 ~ Complete ~54:APTAMERS FOR PERSONAL HEALTH CARE APPLICATIONS ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: NAMANJA-MAGLIANO, Hilda Andamiche;PENNER, Gregory Allen;PITZ, Adam Michael;RUPARD, Spencer

Christopher;SCHMEICHEL, Kelly Lee;SWIGART, Erin Nicole;TREJO, Amy Violet;VELASQUEZ, Juan Esteban;WAGNER, Matthew Scott~ 33:EP ~31:21214416.6 ~32:14/12/2021

2024/03554 ~ Provisional ~54:ITHUBA ~71:Taunyane Stephen Nkitseng, 12 Sibeko Street, Phirituna Heilbronn, South Africa ~72: Taunyane Stephen Nkitseng~

2024/03481 ~ Complete ~54:APPARATUS, METHOD OR COMPUTER PROGRAM FOR SYNTHESIZING A SPATIALLY EXTENDED SOUND SOURCE USING VARIANCE OR COVARIANCE DATA ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ADAMI, Alexander;ANEMÜLLER, Carlotta;GEIER, Matthias;HERRE, Jürgen;KOROTIAEV, Mikhail;SCHWÄR, Simon;WU, Yun-Han~ 33:EP ~31:21207298.7 ~32:09/11/2021

2024/03474 ~ Complete ~54:NEGATIVE PRESSURE STABILIZING DEVICE FOR UNDERGROUND GAS PUMPING AND DRAINAGE IN COAL MINES ~71:China Coal Technology and Engineering Group Shenyang Research Institute, 11 Binhe Road, Wanhua District, Fushun City, Liaoning Province, People's Republic of China;Liaoning Technical University, 188 Longwan South Street, Huludao City, Liaoning Province, People's Republic of China ~72: NI Xing;QIU Haisheng;YANG Yi;ZHANG Kaijia;ZHANG Kaiwen~

2024/03493 ~ Complete ~54:FORMULATION FOR COATING GLASS CONTAINERS ~71:ARKEMA FRANCE, 420 rue d'Estienne d'Orves, 92700, Colombes, France ~72: LEENDERT HOEKMAN~ 33:FR ~31:FR 2112813 ~32:01/12/2021

2024/03503 ~ Complete ~54:SEED DELIVERY ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: HODEL, Jeremy~ 33:US ~31:63/268,320 ~32:22/02/2022

2024/03471 ~ Complete ~54:METHOD FOR IMPROVING NET PHOTOSYNTHETIC RATE OF ACER TRUNCATUM IN SEEDLING PERIOD ~71:Experimenttal Centre of Forestry in North China, Chinese Academy of Forestry, No.1 Shuizha West Road, Mentougou District, Beijing, 102300, People's Republic of China ~72: Du Manyi;Feng Huanying;He Shuxia;Li Panting;Pei Shunxiang;Song Wenjing;Wang Yue;Zhang Lianjin;Zhang Liantao;Zheng Yincheng;Zhou Zeyu~

2024/03476 ~ Complete ~54:METHOD FOR DETECTING AND EVALUATING ENGINEERING PLASTICS BASED ON COMPONENT ANALYSIS ~71:Panjin institute of industrial technology of Dalian university of technology, Entrepreneurship Incubation Center, No.1 Zhifang Street, Liaodongwan New Area, Panjin City, Liaoning Province, 124200, People's Republic of China ~72: Dai Xinying;Dong Xiaoying;Guo Jianli;Ji Fengyun~

2024/03479 ~ Complete ~54:IMPROVED METHODS FOR POLIOVIRUS INACTIVATION, ADJUVANT ADSORPTION AND DOSE REDUCED VACCINE COMPOSITIONS OBTAINED THEREOF ~71:Serum Institute of India Private Limited, 212/2, Off Soli Poonawalla Road, Hadapsar, PUNE 411 028, MAHARASHTRA, INDIA, India ~72: DHERE, Rajeev Mhalasakant;KADAM, Ravindra Bapurao;KAMBLE, Abhijeet Sanjeev;MENON, Ravi Balakrishnan;SABALE, Rajendra Narayan;TYAGI, Parikshit Dharampal;ZADE, Jagdish Kamalaji~

2024/03511 ~ Complete ~54:PROCESSES FOR RECOVERING RHODIUM FROM HYDROFORMYLATION PROCESSES ~71:DOW TECHNOLOGY INVESTMENTS LLC, 2211 H.H. Dow Way Midland, United States of America ~72: BACKES, Adrian Francis;BETHAM, Michael;BRAMMER, Michael A.;LIU, Yujun;MILLER, Glenn A.;SINGH, Amarnath~ 33:US ~31:63/263,892 ~32:11/11/2021

2024/03485 ~ Complete ~54:EARLY REFLECTION PATTERN GENERATION CONCEPT FOR AURALIZATION ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ADAMI, Alexander;BORSS, Christian;HERRE, Jürgen;PAULUS, Jouni;ROSENBERGER, Dennis;SILZLE, Andreas~ 33:EP ~31:21207273.0 ~32:09/11/2021

2024/03488 ~ Complete ~54:CONJUGATE PHARMACEUTICAL PREPARATION, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:COHERENT BIOPHARMA (SUZHOU) LIMITED, C36-2F, No. 218 Xinghu Street, Industrial Park Suzhou, Jiangsu 215123, People's Republic of China ~72: FAN WU;PEIPEI SHANG;SIXIANG FAN~ 33:CN ~31:202111215700.9 ~32:19/10/2021

2024/03500 ~ Complete ~54:AGRICULTURAL SAMPLE SLURRY PREPARATION SYSTEM AND RELATED METHODS ~71:PRECISION PLANTING LLC, 23207 Townline Road, Tremont, United States of America ~72: KOCH, Dale;LEVY, Kent~ 33:US ~31:63/268,418 ~32:23/02/2022;33:US ~31:63/268,419 ~32:23/02/2022;33:US ~31:63/268,990 ~32:08/03/2022

2024/03505 ~ Complete ~54:APTAMERS FOR PERSONAL HEALTH CARE APPLICATIONS ~71:The Procter & Gamble Company, One Procter & Gamble Plaza, CINCINNATI 45202, OH, USA, United States of America ~72: NAMANJA-MAGLIANO, Hilda Andamiche;PENNER, Gregory Allen;PITZ, Adam Michael;RUPARD, Spencer Christopher;SCHMEICHEL, Kelly Lee;SWIGART, Erin Nicole;TREJO, Amy Violet;VELASQUEZ, Juan Esteban;WAGNER, Matthew Scott~ 33:EP ~31:21214416.6 ~32:14/12/2021

2024/03484 ~ Complete ~54:A SLUDGE REFLUX-INDUCED CRYSTALLIZATION METHOD FOR DEEP FLUORIDE REMOVAL IN WASTEWATER ~71:BGRIMM Technology Group, Building 23, Zone 18 of ABP, No. 188, South 4th Ring Road West, Beijing, People's Republic of China ~72: Lin Xingjie;Liu Fengbiao;Liu Yanli;Qiao Jiyang;Shi Peiliang;Yang Xiaosong;Zhang Kai~ 33:CN ~31:2023114034746 ~32:26/10/2023

2024/03489 ~ Complete ~54:AIRFIELD GROUND LIGHT WITH INTEGRATED LIGHT CONTROLLER THAT EMPLOYS POWERLINE COMMUNICATIONS AND SENSORS ~71:ADB SAFEGATE BV, Leuvensesteenweg 585, B-1930 Zaventem, Belgium ~72: DARYL M DININNO;DOUGLAS A MITCHELL;ROBERT PAUL STACHOW JR~ 33:US ~31:63/275,235 ~32:03/11/2021

2024/03504 ~ Complete ~54:SYSTEM AND METHOD FOR PUMP CONTROL BASED ON PUMP VIBRATIONS ~71:S.P.M. Instrument AB, Box 504, STRÄNGNÄS 645 25, SWEDEN, Sweden ~72: SUNDSTRÖM, Tim~ 33:SE ~31:2151245-4 ~32:09/10/2021;33:SE ~31:2251176-0 ~32:09/10/2022

2024/03478 ~ Complete ~54:INSERTION-DELETION MOLECULAR MARKERS TIGHTLY LINKED TO REGULATION OF FRUIT LENGTH TRAITS OF SOLANUM MELONGENA AND APPLICATION ~71:Zhejiang Academy of Agricultural Sciences, No. 298, Desheng Middle Road, Hangzhou, Zhejiang Province, 310000, People's Republic of China ~72: Bao Chonglai;Hu Haijiao;Hu Tianhua;Pang Hongtao;Wang Jinglei;Wang Wuhong;Wei Qingzhen;Yan Yaqin;Zhou Jiayan~ 33:CN ~31:202311548561.0 ~32:20/11/2023

2024/03491 ~ Complete ~54:PEPTIDE INHIBITORS OF INTERLEUKIN-23 RECEPTOR ~71:ZEALAND PHARMA A/S, Sydmarken 11, DK-2860, Søborg, Denmark ~72: BJARNE DUE LARSEN;HENRIK FISCHER MUNCH;JESPER MOSOLFF MATHIESEN;NIELS BJERRE HOLM;OCTAV CALDARARU;RASMUS LETH~ 33:EP ~31:21211815.2 ~32:01/12/2021

2024/03494 ~ Complete ~54:DISINFECTION OF SURFACES IN CONFINED ENVIRONMENTS ~71:WORK IN PROGRESS BIO-MEDICAL S.R.L., Via Federico Ozanam 4, Italy ~72: LONGO, Matteo~ 33:IT ~31:102021000027041 ~32:21/10/2021

2024/03512 ~ Complete ~54:NOVEL BACTERIAL TRANSLOCATION DOMAINS AND RECOMBINANT POLYPEPTIDES COMPRISING THEM FOR USE IN CELLULAR DELIVERY ~71:THE HOSPITAL FOR SICK CHILDREN, 555 University Avenue, Canada ~72: BEILHARTZ, Greg;GILL, Shivneet;MELNYK, Roman;SUGIMAN-MARANGOS, Seiji~ 33:GR ~31:20210100770 ~32:04/11/2021

2024/03515 ~ Provisional ~54:MEGA ECO-LOCATOR GADGET FOR THE VISUAL IMPAIRED ~71:LIZAH TSAKANI MANZINI, 1533 SECTION E, MASHABANI STREET, MAMELODI WEST, GAUTENG, South Africa ~72: LIZAH TSAKANI MANZINI~

2024/03514 ~ Provisional ~54:HARNESS ENERGY SOLUTION ~71:SELLO ANDREW MOTSEPE, 63 MAREKA, ATTERIDGEVILLE, South Africa ~72: SELLO ANDREW MOTSEPE~

2024/03480 ~ Complete ~54:APPARATUS FOR GENERATING ELECTRICITY FROM WATER FLOWING IN A RIVER ~71:CHARYBDIS LLC, 3802 NE 207th Street, Apt. 2703, United States of America ~72: Bruce HEAFITZ;William Edward BAXLEY~ 33:US ~31:63/276,832 ~32:08/11/2021;33:US ~31:17/982,894 ~32:08/11/2022

2024/03513 ~ Complete ~54:LATE REVERBERATION DISTANCE ATTENUATION ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ERONEN, Antti;HERRE, Jürgen;SILZLE, Andreas~ 33:EP ~31:21207191.4 ~32:09/11/2021

2024/03468 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR TREATING, REVERSING OR PREVENTING CANCER ~71:VIRO-GEN PTY LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE x2, South Africa ~72: SMIT, MICHELLE OLGA PATRICIA GIESTEIRA DA SILVA~

2024/03496 ~ Complete ~54:METHOD FOR PRODUCING A LIGHT PETROL FRACTION HAVING A LOW SULPHUR CONTENT ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois-Préau, France ~72: COUDERC, Sophie;DEHLINGER, Marie;FECANT, Antoine;GOMEZ, Adrien;HUDEBINE, Damien;MARION, Marie-Claire~ 33:FR ~31:FR2114039 ~32:20/12/2021

2024/03509 ~ Complete ~54:A ROCK BOLT ASSEMBLY AND ASSOCIATED METHOD ~71:Rocbolt Technologies (Pty) Ltd., 30 North Reef Road, Elandsfontein, GERMISTON 1429, SOUTH AFRICA, South Africa ~72: BELLINGHAM, Werner Cornelius~

2024/03473 ~ Complete ~54:AN APPARATUS FOR STIMULATING AND MEASURING A RESPONSE OF AN ANIMAL OR HUMAN AND A METHOD OF EVALUATING SAID RESPONSE ~71:ELS, Henning, Johannes, 134 ROOIBOS STRAAT, BURKEA, PEBBLEROCK GOLF ESTATE, ROODEPLAAT, PRETORIA, 0039, SOUTH AFRICA, South Africa;PRETORIUS, Ilse, Esther, 65 GEMSBOK AVENUE, MONUMENT PARK, PRETORIA, 0105, SOUTH AFRICA, South Africa ~72: ELS, Henning, Johannes;PRETORIUS, Ilse, Esther~

2024/03498 ~ Complete ~54:CONTROLLED RELEASE FORMULATIONS OF FLAVOXATE AND PROCESS FOR PREPARATION THEREOF ~71:BERLIA, Sushma Paul, S-361, Panchsheel Park, Outer Ring Road, India ~72: BERLIA, Nishant;BERLIA, Sushma Paul;DIWAN, Anupama;SINGH, Gurvinder~ 33:IN ~31:202111053299 ~32:19/11/2021

2024/03507 ~ Complete ~54:A MOBILE CHARGING STATION FOR MINING APPLICATIONS ~71:Sandvik Mining and Construction Oy, Pihlisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: ERIKSSON, Harri;VIERIKKO, Jaakko~ 33:EP ~31:21210095.2 ~32:24/11/2021

2024/03469 ~ Provisional ~54:COMPOUNDS, COMPOSITIONS AND METHODS FOR PREVENTING OR TREATING DIABETES ~71:VIRO-GEN PTY LTD, 313 CLIFF AVENUE, WATERKLOOF RIDGE x2, South Africa ~72: SMIT, MICHELLE OLGA PATRICIA GIESTEIRA DA SILVA~

2024/03472 ~ Complete ~54:HERBAL MEDICINE COMPOUND LOTION FOR TREATING PERIANAL ECZEMA ~71:The Second Affiliated Hospital of Shandong First Medical University, No. 366, Mount Taishan Avenue, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: GENG Biao;GENG Tao;LI Tong;LIU Zhichao~

2024/03487 ~ Complete ~54:RENDERERS, DECODERS, ENCODERS, METHODS AND BITSTREAMS USING SPATIALLY EXTENDED SOUND SOURCES ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: GEIER, Matthias;HERRE, Jürgen;KOROTIAEV, Mikhail;SCHWÄR, Simon;WU, Yun-Han~ 33:EP ~31:21207344.9 ~32:09/11/2021

2024/03490 ~ Complete ~54:ANTIBODY-DRUG CONJUGATES AGAINST THE RECEPTOR TYROSINE KINASE EPHA5 ~71:MBRACE THERAPEUTICS, INC., 4660 La Jolla Village Drive, Suite 950, San Diego, California, 92121, United States of America;RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, 83 Somerset Street, New Brunswick, New Jersey, 08901, United States of America ~72: FERNANDA I STAQUICINI;RENATA PASQUALINI;WADIH ARAP~ 33:US ~31:63/275,346 ~32:03/11/2021

2024/03499 ~ Complete ~54:OLIGOMERIZATION PROCESS ~71:SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., Carel van Bylandtlaan 30, HR The Hague, Netherlands ~72: MACNEEL, Edward~

2024/03477 ~ Complete ~54:AN EFFICIENT SELF-DETECTION DEVICE FOR PATIENTS WITH EARLY WARNING OF CEREBRAL HEMORRHAGE ~71:Shaanxi University of Chinese Medicine, No. 1, Weiyang Middle Road, Weicheng District, Xianyang City, Shaanxi Province, 710046, People's Republic of China ~72: Li Xinghui;Yu Yang~

2024/03483 ~ Complete ~54:CONCEPTS FOR AURALIZATION USING EARLY REFLECTION PATTERNS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ADAMI, Alexander;BORSS, Christian;HERRE, Jürgen;PAULUS, Jouni;ROSENBERGER, Dennis;SILZLE, Andreas~ 33:EP ~31:21207274.8 ~32:09/11/2021

2024/03486 ~ Complete ~54:IMPROVED PATCHES AND METHODS FOR DELIVERING AN ACTIVE SUBSTANCE TO THE SKIN USING THE SAME ~71:DBV TECHNOLOGIES, 177/181 avenue Pierre Brossolette, France ~72: EHOARN, Pascale;VILLETTE, Jérôme~ 33:US ~31:63/256,803 ~32:18/10/2021;33:EP ~31:21306887.7 ~32:21/12/2021

2024/03495 ~ Complete ~54:METHOD FOR TREATING A PETROL CONTAINING SULPHUR COMPOUNDS ~71:IFP ENERGIES NOUVELLES, 1 et 4 avenue de Bois-Préau, France ~72: COUDERC, Sophie;DEHLINGER, Marie;FECANT, Antoine;GOMEZ, Adrien;HUDEBINE, Damien;MARION, Marie-Claire~ 33:FR ~31:FR2114038 ~32:20/12/2021

2024/03502 ~ Complete ~54:ANTI-NGF ANTIBODIES AND USES THEREOF ~71:INVETX, INC., One Boston Place, 201 Washington Street, Suite 3930, United States of America ~72: BRONDYK, William;SEVIGNY, Leila;WILLIS, Jordan~ 33:US ~31:63/282,590 ~32:23/11/2021;33:US ~31:63/383,173 ~32:10/11/2022

2024/03510 ~ Complete ~54:METHODS AND SYSTEMS OF TIB₂ PRODUCTS WITH DIRECTING FEATURES ~71:Alcoa USA Corp., 201 Isabella Street, PITTSBURGH 15212-5858, PA, USA, United States of America ~72: LIU, Xinghua;MOSSER, Benjamin D.~ 33:US ~31:63/276,892 ~32:08/11/2021

2024/03482 ~ Complete ~54:EARLY REFLECTION CONCEPT FOR AURALIZATION ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: ADAMI, Alexander;BORSS, Christian;HERRE, Jürgen;PAULUS, Jouni;ROSENBERGER, Dennis;SILZLE, Andreas~ 33:EP ~31:21207272.2 ~32:09/11/2021

- APPLIED ON 2024/05/08 -

2024/03519 ~ Provisional ~54:POCKETATM ~71:Yolisa Mbuqe, 01 Brian Mazibuko drive, Emfihlweni section, Tembisa, South Africa ~72: Yolisa Mbuqe~

2024/03521 ~ Complete ~54:AN OPTIMAL DESIGN METHOD AND SYSTEM FOR QUASI-OPTICAL MODE CONVERTER ~71:TAISHAN UNIVERSITY, 525, Dongyue Street, Tai'an City, Shandong Province, 271000, People's Republic of China ~72: Guohui ZHAO;Hongfang YANG;Jing XIAO;Zhigang GAO~

2024/03532 ~ Complete ~54:PROCESS FOR PURIFYING A PYROLYSIS OIL AND PURIFICATION SYSTEM ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: BOEHLING, Ralf;BRUNETTI, Fulvio, Giacomo;HAAG, Monica;HIEBER, Gisela;KOEPE, Daniel;LANGE DE OLIVEIRA, Armin;LOEBNITZ, Lisa;MEYER-KIRSCHNER, Julian;MUELLER, Christian;PILARSKI, Oliver;SCHREIBER, Michael~ 33:EP ~31:21202317.0 ~32:13/10/2021

2024/03550 ~ Complete ~54:AN ANTIMICROBIAL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANINDYA DASGUPTA;MAYA TREESA SAJI;NEHA SALGAONKAR~ 33:IN ~31:202121056268 ~32:03/12/2021;33:EP ~31:22153771.5 ~32:27/01/2022

2024/03516 ~ Provisional ~54:TAXI TILL SYSTEM ~71:TSHEPO JOHNNY SEKELE, 401 LEYDS STREET, SUNNYSIDE, GAUTENG, South Africa ~72: TSHEPO JOHNNY SEKELE~

2024/03535 ~ Complete ~54:A SAFETY MONITORING DEVICE FOR UNIVERSITY LABORATORIES ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Chen Haoxin;Wu Xianhui~

2024/03545 ~ Complete ~54:A WATER PURIFICATION DEVICES BASED ON CHITOSAN WATER PURIFYING AGENTS ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Wang Yibo;Zhang Yuanchao~

2024/03548 ~ Complete ~54:PERSONAL CARE COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: TINGYAN MI;XUELAN GU~ 33:CN ~31:PCT/CN2021/143516 ~32:31/12/2021;33:EP ~31:22153548.7 ~32:27/01/2022

2024/03522 ~ Complete ~54:PREPARATION METHOD OF BIOCHAR FOR SYNCHRONOUS PURIFICATION OF VOLATILE ORGANIC POLLUTANTS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, LONGXIANG AVENUE, People's Republic of China ~72: CHEN, Ling;FU, Yongmei;GAO, Hongrun;HUANG, Qiaoyang;HUANG, Zhenzhen;KANG, Haiyan;LI, Ka;LIU, Biao;LIU, Jiayao;LIU, Pan;MAO, Yanli;SONG, Zhongxian;TIAN, Xinhui;WANG, Kai;ZHAI, Daning;ZHANG, Jinhui;ZHANG, Mengru;ZHAO, Shiyi;ZHAO, Yanyang;ZHU, Xinfeng~

2024/03525 ~ Complete ~54:COMPOSITIONS AND METHODS OF MANUFACTURING TRIVALENT FILOVIRUS VACCINES ~71:SOLIGENIX, INC., 29 Emmons Drive, Suite B-10, Princeton, New Jersey, 08540, United States of America;UNIVERSITY OF HAWAII, 2425 Campus Road, Sinclair 10, Honolulu, Hawaii, 96822, United States of America ~72: AXEL LEHRER;OREOLA DONINI~ 33:US ~31:62/850,443 ~32:20/05/2019

2024/03526 ~ Complete ~54:FAST ASSEMBLY AND DISASSEMBLY EQUIPMENT AND METHOD FOR DEPOSITED NANOMATERIALS BY MAGNETOELECTRIC SYNERGY EFFECT ~71:YANTAI UNIVERSITY, No.30 Qingquan Road, Laishan District, Yantai City, People's Republic of China ~72: Baolong XU;Haiyan SUN;Weitian WANG~

2024/03527 ~ Complete ~54:APPARATUS AND METHOD FOR SOLUTION SYNTHESIS REACTION WITHOUT OXYGEN AND AT CONSTANT TEMPERATURE ~71:YANTAI UNIVERSITY, No.30 Qingquan Road, Laishan District, Yantai City, People's Republic of China ~72: Baolong XU;Haiyan SUN;Weitian WANG~

2024/03530 ~ Complete ~54:METHOD FOR PREPARING L-GLUFOSINATE ~71:GUANGAN LIER CHEMICAL CO., LTD., Xinqiao Industrial Park, Guangan Economic and Technological Development Zone, Guangan, Sichuan, 638000, People's Republic of China; LIER CHEMICAL CO., LTD., No. 327, South of Mianzhou Avenue, Mianyang Economic and Technological Development Zone, Mianyang, Sichuan, 621000, People's Republic of China ~72: JIE CAI; KE CHENG; LEI ZHOU; MIN XU; TINGYING LIU; WEI ZENG; YINGSUI YIN; YONGJIANG LIU ~33:CN ~31:202011093594.7 ~32:14/10/2020

2024/03538 ~ Complete ~54:HTT MODULATORS FOR TREATING HUNTINGTON'S DISEASE ~71:CHDI FOUNDATION, INC., c/o CHDI Management, Inc., 350 Seventh Avenue, United States of America ~72: CHAMBERS, Mark; CLISSOLD, Cole; COSGROVE, Brett; DOMINGUEZ, Celia; ESMIEU, William; HAUGHAN, Alan; LIU, Longbin; MALAGU, Karine; PLOTNIKOV, Nikolay V.; SPENCER, Jonathan; STOTT, Andrew; VATER, Huw ~33:US ~31:63/280,551 ~32:17/11/2021

2024/03542 ~ Complete ~54:INCREASED UPLINK POWER FOR CARRIER AGGREGATION IN WIRELESS SYSTEMS ~71:InterDigital Patent Holdings, Inc., 200 Bellevue Parkway, Suite 300, WILMINGTON 19809, DE, USA, United States of America ~72: COMSA, Virgil; MARINIER, Paul ~33:US ~31:63/275,188 ~32:03/11/2021

2024/03551 ~ Complete ~54:BAR COMPOSITION HAVING ENHANCED ANTIMICROBIAL ACTIVITY ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CONNOR PATRICK WALSH; MATTHEW FRED KUZNITZ; PAUL VINSKI; PREM CHANDAR ~33:EP ~31:21217786.9 ~32:27/12/2021

2024/03534 ~ Complete ~54:AN OIL-WATER SEPARATION DEVICE APPLIED IN GAS STATION WASTEWATER TREATMENT ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Liu Qiang; Wang Yibo ~

2024/03536 ~ Complete ~54:AMMONIA SYNTHESIS SYSTEM AND METHOD ~71:INFRASALIENCE LTD., 71-75 Shelton Street, United Kingdom ~72: CALDWELL, Roger ~33:US ~31:63/262,841 ~32:21/10/2021

2024/03540 ~ Complete ~54:ACTIVATABLE POLYPEPTIDE COMPLEX ~71:AMGEN INC., ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CA 91320-1799, USA, United States of America; CYTOMX THERAPEUTICS, INC., 151 OYSTER POINT BOULEVARD, SUITE 400, SOUTH SAN FRANCISCO, CALIFORNIA 94080, USA, United States of America ~72: BOUSTANY, Leila M.; BRIANTE, Raffaella; FOX, Ellaine, Anne, Mariano; KAVANAUGH, W., Michael; MITRA, Sayantan; PAIDHUNGAT, Madan, M.; STEVENS, Jennitte LeAnn ~33:US ~31:63/256,410 ~32:15/10/2021; 33:US ~31:63/370,895 ~32:09/08/2022

2024/03543 ~ Complete ~54:A FILTER PLATE SHIFTING DEVICE FOR A HORIZONTAL FILTER PRESS ~71:FILTAQUIP (PTY) LTD., 17 Bisset Road, Boksburg, JOHANNESBURG 1436, Gauteng Province, SOUTH AFRICA, South Africa ~72: BEZUIDENHOUT, Johann; VAN NIEKERK, Christo ~33:ZA ~31:2021/09605 ~32:26/11/2021

2024/03549 ~ Complete ~54:COSMETIC SWEAT MANAGEMENT COMPOSITIONS ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: JOANNE ELIZABETH STOCKTON; KIMBERLEY ANN JONES; MARTIN PETER CROPPER; NEIL ROBERT FLETCHER; VERONIQUE SANDRINE MUNIER ~33:EP ~31:21217099.7 ~32:22/12/2021

2024/03552 ~ Complete ~54:SOUND PROCESSING APPARATUS, DECODER, ENCODER, BITSTREAM AND CORRESPONDING METHODS ~71:FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V., Hansastrasse 27c, Germany ~72: BORSS, Christian; GEIER, Matthias; HERRE, Jürgen; PETERS, Nils; ROSENBERGER, Dennis; SILZLE, Andreas ~33:EP ~31:21207255.7 ~32:09/11/2021

2024/03537 ~ Complete ~54:CRYSTALLINE FORM OF N-(2-CHLORO-3-((5-CHLORO-3-METHYL-4-OXO-3,4-DIHYDROQUINAZOLIN-6-YL)AMINO)-4-FLUOROPHENYL)-3-FLUOROAZETIDINE-1-SULFONAMIDE
~71:ARRAY BIOPHARMA INC., 3200 Walnut Street, Boulder, United States of America ~72: COWDREY, Connor James~ 33:US ~31:63/287,127 ~32:08/12/2021;33:US ~31:63/393,043 ~32:28/07/2022

2024/03546 ~ Complete ~54:A MULTIMEDIA TEACHING RESOURCE GENERATOR FOR INTEGRATED TEACHING IN COLLEGES ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Gao Min;Hu Gang;Wu Weijie~

2024/03533 ~ Complete ~54:PROCESS FOR PURIFYING A CRUDE PYROLYSIS OIL ORIGINATING FROM THE PYROLYSIS OF PLASTIC WASTE AND USE THEREOF ~71:BASF SE, CARL BOSCH STRASSE 38, 67056 LUDWIGSHAFEN AM RHEIN, GERMANY, Germany ~72: HAAG, Monica;HENN, Timo;HIEBER, Gisela;KOEPE, Daniel;LANGE DE OLIVEIRA, Armin;LOEBNITZ, Lisa;LOHMANN, Michael;MEYER-KIRSCHNER, Julian;MUELLER, Christian;PILARSKI, Oliver;SCHREIBER, Michael~ 33:EP ~31:21202876.5 ~32:15/10/2021

2024/03541 ~ Complete ~54:ACTIVATABLE POLYPEPTIDE COMPLEX ~71:AMGEN INC., ONE AMGEN CENTER DRIVE, THOUSAND OAKS, CA 91320-1799, USA, United States of America;CYTOMX THERAPEUTICS, INC., 151 OYSTER POINT BOULEVARD, SUITE 400, SOUTH SAN FRANCISCO, CALIFORNIA 94080, USA, United States of America ~72: BOUSTANY, Leila M.;BRIANTE, Raffaella;FOX, Ellaine, Anne, Mariano;KAVANAUGH, W., Michael;MITRA, Sayantan;PAIDHUNGAT, Madan, M.;STEVENS, Jennitte LeAnn~ 33:US ~31:63/256,417 ~32:15/10/2021;33:US ~31:63/370,897 ~32:09/08/2022

2024/03517 ~ Provisional ~54:BARRIER ~71:COCHRANE USA INC, 3551 Lee Hill Dr, Fredericksburg, United States of America ~72: COCHRANE, Alexander Richard~

2024/03524 ~ Complete ~54:HEAT DISSIPATION POWER DISTRIBUTION CABINET ~71:ANHUI WANHONG ELECTRIC CO., LTD, 39 Jincheng Road, Luyang Modern Industrial Park, Linqun County, Fuyang City, Anhui Province, 236000, People's Republic of China ~72: Cai Hao;Cui Boyi;Wang Lei;Wu Lin;Yu Zhitao~

2024/03529 ~ Complete ~54:A DEEP LEARNING-BASED SYSTEM FOR INTELLIGENT BREAST CANCER DETECTION AND A METHOD THEREOF ~71:PRASANALAKSHMI BALAJI, College of Computer Science, King Khalid University, Al-Guraiger Campus, Abha, 61421, Saudi Arabia;RUHEENA MAHVEEN, Department of Computer Science, Sarath Abidah Campus, King Khalid University, Abha, 61421, Saudi Arabia;SANGITA BABU, College of Science and Arts, King Khalid University, Rijal Alma, 61421, Saudi Arabia;SCIENTIFIC COMMUNICATIONS RESEARCH ACADEMY, 401-Panchaliamman Koil Street, Arumbakkam, Chennai, 600106, India;SRIDEVI THARANIDHARAN, Applied College, King Khalid University, Khamis Mushyat, 61421, Saudi Arabia ~72: PRASANALAKSHMI BALAJI;RUHEENA MAHVEEN;SANGITA BABU;SRIDEVI THARANIDHARAN~

2024/03531 ~ Complete ~54:PREPARATION METHOD FOR WATER-CHESTNUT-SHAPED ANTIMONY TUNGSTATE COMPOSITE MATERIAL, AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongsan District, Haikou City, Hainan Province, People's Republic of China ~72: HAN Huimin;HUA Yingjie;LIU Jinyuan;WANG Chongtai~ 33:CN ~31:202310570850.4 ~32:19/05/2023

2024/03518 ~ Provisional ~54:A COAXIAL CABLE JUNCTURE SOLDERING APPARATUS ~71:FOURIE, Andries, Petrus, Cronje, 24 Kilkenny Avenue, Parkview, South Africa ~72: FOURIE, Andries, Petrus, Cronje~

2024/03520 ~ Complete ~54:FLUE GAS PURIFICATION DEVICE ~71:INSTITUTE OF URBAN SAFETY AND ENVIRONMENTAL SCIENCE, BEIJING ACADEMY OF SCIENCE AND TECHNOLOGY, NO. 55, TAORANTING ROAD, People's Republic of China ~72: DAN, Mo;GUO, Hongzhi;LIANG, Quanming;XIE, Peng;ZHAO, Jiamei~

2024/03523 ~ Complete ~54:MEMBRANE-BASED HYDROGEN PURIFIERS ~71:H2 POWERTECH LLC, 746 SE Glenwood Drive, Bend, United States of America ~72: HILL, Charles, R.~ 33:US ~31:17/107,523 ~32:30/11/2020

2024/03528 ~ Complete ~54:THE INVENTION RELATES TO AN OAT NUTRIENT BLANKING POWDER WITH LIPID-LOWERING AND DEFECATING EFFECT AND A PREPARATION PROCESS THEREOF ~71:HUNAN ACADEMY OF TRADITIONAL CHINESE MEDICINE, No.58, Lushan Road, Yuelu District, People's Republic of China ~72: SHEN, Bingbing;XIE, Yi;ZENG, Hongliang;ZHANG, Shuihan~

2024/03539 ~ Complete ~54:WOOD IMPREGNATION COMPOSITIONS ~71:SYMONS, Michael, Windsor, 16 LUIPAARDS ROAD, MONUMENT PARK, 0105, SOUTH AFRICA, South Africa ~72: SYMONS, Michael, Windsor~ 33:ZA ~31:2021/07838 ~32:15/10/2021

2024/03544 ~ Complete ~54:A MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN MILITARY COURSES IN UNIVERSITIES ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Gao Min;Hu Gang;Wu Weijie~

2024/03547 ~ Complete ~54:A PERSONAL CARE OR PHARMACEUTICAL COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: TINGYAN MI;XUELAN GU~ 33:CN ~31:PCT/CN2021/143517 ~32:31/12/2021;33:EP ~31:22153549.5 ~32:27/01/2022

2024/03553 ~ Complete ~54:LANDSLIDE IDENTIFICATION METHOD BASED ON PHYSICS-INFORMED MACHINE LEARNING ~71:GUANGXI ACADEMY OF SCIENCES, No. 98, Daling Road, University, Xixiang Tang District, Nanning, People's Republic of China;NANNING NORMAL UNIVERSITY, No. 175, Mingxiu East Road, Xixiang Tang District, Nanning, People's Republic of China ~72: LI, Qianjun;LUO, Tianya;WU, Di;XU, Guilin;YAN, Xiaomin~ 33:CN ~31:202310705803.6 ~32:14/06/2023

- APPLIED ON 2024/05/09 -

2024/03565 ~ Complete ~54:MULTIFUNCTIONAL LABORATORY CONSOLE ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03580 ~ Complete ~54:PACKAGING MATERIAL MADE OF UNBLEACHED KRAFT PAPER, SLEEVE PRODUCED THEREFROM, AND METHOD FOR MANUFACTURING SAME ~71:MONDI AG, Marxergasse 4A, Austria ~72: FINK, Alexander;GUSTAFSSON, Kent;SCHWAIGER, Elisabeth;SILVÉN, Patrik~ 33:EP ~31:21202532.4 ~32:13/10/2021;33:AT ~31:GM50152/2022 ~32:30/09/2022

2024/03583 ~ Complete ~54:A COMPUTER IMPLEMENTED METHOD AND SYSTEM ~71:nChain Licensing AG, Grafenauweg 6, ZUG 6300, SWITZERLAND, Switzerland ~72: CLARK, Paul;DAVIES, Jack Owen;MEE, Andrew James;RAND, Ricky Charles;WOODS, Alex;ZHANG, Wei~ 33:GB ~31:2112503.4 ~32:02/09/2021;33:GB ~31:2204293.1 ~32:25/03/2022;33:GB ~31:2206682.3 ~32:06/05/2022

2024/03556 ~ Provisional ~54:ENERGETIC DISEQUILIBRIUM ~71:Alvaro Bernardo Tafur Castillo, 55 Oxford Road, South Africa ~72: Alvaro Bernardo Tafur Castillo~

2024/03566 ~ Complete ~54:ARTIFICIAL CHINESE FIR FOREST AND TRANSFORMATION METHOD AND APPLICATION THEREOF ~71:EXPERIMENTAL CENTER OF TROPICAL FORESTRY, CHINESE ACADEMY OF FORESTRY, No. 201, Keyuan Road, Pingxiang City, People's Republic of China ~72: Angang MING;Hongyan JIA;Hua LI;Huilin MIN;Kun YANG;Shuokun DENG;Weiwei SHU;Zuwei TIAN~

2024/03574 ~ Complete ~54:BICYCLE COVER ~71:SIANA CONSULTING, 726 Tetra Avenue, South Africa ~72: GELDART, Gregory~ 33:ZA ~31:2023/03191 ~32:01/03/2024

2024/03585 ~ Complete ~54:BINDING PROTEINS RECOGNIZING HPV16 E7 ANTIGEN AND USES THEREOF ~71:TScan Therapeutics, Inc., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: BOUDOT, Antoine J.;JANGALWE, Sonal;MACBEATH, Gavin;NAYAR, Ribhu;POLLACKSMITH, Daniel~ 33:US ~31:63/277,901 ~32:10/11/2021;33:US ~31:63/317,326 ~32:07/03/2022;33:US ~31:63/342,479 ~32:16/05/2022

2024/03588 ~ Complete ~54:PYRIDYL-CONTAINING COMPOUND ~71:CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD., No. 369 Yuzhou South Rd., Lianyungang, Jiangsu, 222062, People's Republic of China ~72: FEI LIU;HONGJIANG XU;JIAJIA GU;JIAWEI ZHOU;WEI SHI;YAN PENG~ 33:CN ~31:202111269381.X ~32:29/10/2021;33:CN ~31:202210233624.2 ~32:10/03/2022;33:CN ~31:202210849103.X ~32:19/07/2022;33:CN ~31:202211274771.0 ~32:18/10/2022

2024/03590 ~ Complete ~54:BIOREACTOR SYSTEM TO PRODUCE METAL ~71:ECOBIOME HOLDINGS, LLC, 59 E. Whistlers Bend Circle The Woodlands, Texas, 77384, United States of America ~72: MARC RODRIGUEZ~ 33:US ~31:63/275,058 ~32:03/11/2021

2024/03582 ~ Complete ~54:ENGINEERED LEUCINE DECARBOXYLASES ~71:Syntis Bio, Inc., 135 Morrissey Blvd., Suite 101A, BOSTON 02125, MA, USA, United States of America ~72: ASFAHA, Jonathan Benjamin;DAS, Subhamoy;DU, Faye Loan;JENNE, Stephan;KRUSE, Nikki D.;LIU, Joyce;MCCLUSKIE, Kerry;MEHMOOD, Roasa;SILVERMAN, Adam P.;VALLIEU, Kristen Jean~ 33:US ~31:63/274,395 ~32:01/11/2021

2024/03579 ~ Complete ~54:N-DOPED BISMUTH OXYCARBONATE COMPOSITE GRAPHITE-PHASE CARBON NITRIDE MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongsan District, Haikou City, Hainan Province, People's Republic of China ~72: HAN Huimin;HUA Yingjie;JIA Shihao;WANG Chongtai~ 33:CN ~31:2023113869828 ~32:25/10/2023

2024/03560 ~ Complete ~54:SIMULATION EVALUATION SYSTEM FOR ENGINEERING TECHNICIANS ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: LI Hua;LI Yajie;ZHANG Xiaoguo;ZHANG Yao~

2024/03570 ~ Complete ~54:TRADITIONAL CHINESE MEDICINE FOR APPLICATION USED FOR DREDGING COLLATERALS, RELIEVING PAIN, ACTIVATING BLOOD CIRCULATION AND REMOVING BLOOD STASIS ~71:Yingsheng Huang, No.86, Group 1, Linggaoce Village, Matou Town, Tancheng County, Linyi City, Shandong Province, 276125, People's Republic of China ~72: Yingsheng Huang;Yurong Cao~ 33:CN ~31:2024103804751 ~32:30/03/2024

2024/03573 ~ Complete ~54:A SAMPLE COLLECTION PLATFORM FOR PATENTS WITH INFECTIOUS DISEASES ~71:Shanghai Jiading District Waigang Town Community Health Service Center, No. 355, Qichang Road, Waigang Town, Jiading District, Shanghai City, 201806, People's Republic of China ~72: Cuiying He;Donghua Chen;Haiwei Wang;Yongyan Huo~

2024/03577 ~ Complete ~54:CARBON POLYMER DOT COMPOSITE BISMUTH OXYCARBONATE NANOSHEET MATERIAL, AND PREPARATION METHOD THEREFOR AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Qiongsan District, Haikou City, Hainan Province, People's Republic of China ~72: HAN Huimin;HUA Yingjie;JIA Shihao;WANG Chongtai~ 33:CN ~31:2023114606213 ~32:06/11/2023

2024/03555 ~ Provisional ~54:POINT ANCHOR ASSEMBLY FOR FRICTION ROCK STABILISERS ~71:Theodore Daniel Swemmer, PO Box 75746, South Africa ~72: Theodore Daniel Swemmer~

2024/03558 ~ Complete ~54:CALLICARPA NUDIFLORA LEAF EXTRACT, LABDANE DITERPENOID COMPOUND, PREPARATION METHOD THEREOF AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Longhua District, Haikou, Hainan, 571127, People's Republic of China ~72: LI Muyuan;LI Xiaobao;MENG Yuqin;YU Zhangxin~ 33:CN ~31:202311396928.1 ~32:26/10/2023

2024/03561 ~ Complete ~54:MINIATURIZED FOUR-BAND FOUR-PORT MIMO ANTENNA APPLIED TO 5G AND WLAN ~71:Anhui Normal University, No. 189 Jiuhua South Road, Wuhu City, Anhui Province, 241002, People's Republic of China ~72: LIU Xiaoming;YU Shuo~

2024/03568 ~ Complete ~54:SYSTEM AND CONTROL METHOD FOR BAKING ANHUA RAW DARK GREEN TEA ~71:Central South University, 515 Mita'er, Central South University, Changsha, Hunan, 410083, People's Republic of China ~72: HUANG, Jishun;LIU, Han;TU, Fubing~

2024/03581 ~ Complete ~54:MECHANICAL PEN AND OPERATING METHOD THEREFOR ~71:WENZHOU JIANXI STATIONERY CO., LTD., Room 512, Bulding A, No. 1605 Wenzhou Avenue, Huangyu Village, Sanyang Street, Ouhai District, Wenzhou, Zhejiang, 325006, People's Republic of China ~72: SONG, Yingying~ 33:CN ~31:202111274299.6 ~32:29/10/2021;33:CN ~31:202111512533.4 ~32:11/12/2021;33:CN ~31:202210296414.8 ~32:24/03/2022

2024/03587 ~ Complete ~54:INJECTION FLUIDS COMPRISING PROPOXYLATED ALCOHOLS AND THE USE OF SUCH FLUIDS FOR ACID STIMULATION DURING OIL RECOVERY PROCESSES ~71:Sasol Chemie GmbH & Co. KG, Anckelmannsplatz 1, HAMBURG 20537, GERMANY, Germany ~72: ENNEKING, Meinolf;FERNANDEZ, Jorge;JONES, Christian Wayne;NAPIERALA, Heinz;NGUYEN, Thu;SOKHANVARIAN, Khater;STANCIU, Cornell~ 33:US ~31:63/277,714 ~32:10/11/2021

2024/03593 ~ Complete ~54:PROCESS FOR PRODUCING WATER RESISTANT PLASTERBOARDS WITH FIBER CEMENT POWDER ~71:ETEX BUILDING PERFORMANCE INTERNATIONAL SAS, 500 rue Marcel Demonque, Zone du Pôle Technologique Agroparc, 84915, Avignon, France ~72: JEAN-PHILIPPE BOISVERT~ 33:EP ~31:21306944.6 ~32:24/12/2021

2024/03557 ~ Provisional ~54:A PROXIMITY BASED SOCIAL NETWORKING SYSTEM ~71:ABELMAN, Gilad Yaron, 106 Bona Vista, 81 Bellevue Road, Musgrave, South Africa ~72: ABELMAN, Gilad Yaron~

2024/03563 ~ Complete ~54:IMMUNOCOMB DETECTION STRIP FOR SRV1 ANTIBODY, PREPARATION METHOD AND APPLICATION THEREOF ~71:HAIKOU CUSTOMS TECHNOLOGY CENTRE, 9th to 16th Floors, East Building, No. 165 Haixiu West Road, Xiuying District, Haikou, People's Republic of China;KUNMING CUSTOMS TECHNOLOGY CENTRE, No. 359 Guangfu Road, Xishan District, Kunming City, People's Republic of China ~72: AI, Jun;CHEN, Lijun;GAO, Shenyang;HAN, Diangang;LI, Dandan;LI, Jiatong;LI, Jing;LIN, Hua;QIU, Suoping;TIAN, Chaoyang;WANG, Lin;WANG, Yu;ZHANG, Qiang~

2024/03569 ~ Complete ~54:A MANUFACTURING PROCESS FOR A DUAL-LAYER ANTI-REFLECTIVE COATING ON PHOTOVOLTAIC PANELS ~71:Jiangsu University of Technology, 1801 Zhongwu Street, Zhonglou District, Changzhou City, Jiangsu Province, People's Republic of China ~72: Guan Keqiang;Shi Hongtao;Xiang Meng;Yang Jingjing;Zhou Shilong~ 33:CN ~31:2024104660220 ~32:18/04/2024

2024/03578 ~ Complete ~54:COMPOSITIONS COMPRISING RED YEAST RICE ~71:MEDA PHARMA S.P.A., Via Valosa di Sopra, 9, Italy ~72: GELFI, Elena;MOSCONI, Manuel;ZANARDI, Andrea~ 33:GB ~31:2115617.9 ~32:29/10/2021

2024/03586 ~ Complete ~54:MAGEA1 IMMUNOGENIC PEPTIDES, BINDING PROTEINS RECOGNIZING MAGEA1 IMMUNOGENIC PEPTIDES, AND USES THEREOF ~71:Dana-Farber Cancer Institute, Inc., 450 Brookline Ave., BOSTON 02215-5450, MA, USA, United States of America;TScan Therapeutics, Inc., 830 Winter Street, WALTHAM 02451, MA, USA, United States of America ~72: MACBEATH, Gavin;NABILSI, Nancy;SCHOENFELD, Jonathan;TADROS, Jenny;WANG, Yifan;WUCHERPFENNIG, Kai~ 33:US ~31:63/277,924 ~32:10/11/2021;33:US ~31:63/317,337 ~32:07/03/2022;33:US ~31:63/342,415 ~32:16/05/2022

2024/03589 ~ Complete ~54:THERAPEUTIC RNA FOR LUNG CANCER ~71:BIONTECH SE, An der Goldgrube 12, 55131, Mainz, Germany;TRON - TRANSLATIONALE ONKOLOGIE AN DER UNIVERSITÄTSMEDIZIN DER JOHANNES GUTENBERG-UNIVERSITÄT MAINZ GEMEINNÜTZIGE GMBH, Freiligrathstrasse 12, 55131, Mainz, Germany ~72: CARINA WALTER;DAVID WEBER;DIANA BAREA ROLDÁN;LENA MAREEN KRANZ;MARTIN SUCHAN;MELANIE HEIN;RUPRECHT KUNER;UGUR SAHIN;VERENA KISSLER~ 33:EP ~31:PCT/EP2021/078026 ~32:11/10/2021;33:EP ~31:PCT/EP2022/050136 ~32:05/01/2022

2024/03592 ~ Complete ~54:D-DOMAIN CONTAINING POLYPEPTIDES AND USES THEREOF ~71:ARCELLX, INC., 800 Bridge Parkway, Redwood City, California, 94065, United States of America ~72: DAVID LAFLEUR;JEFFREY S SWERS;JUSTIN EDWARDS~ 33:US ~31:63/279,489 ~32:15/11/2021

2024/03575 ~ Complete ~54:METHOD FOR PROMOTING CELL ENDOCYTOSIS OF VEGETABLE ALBUMIN, AND APPLICATION THEREOF ~71:China Agricultural University, No.2 Yuanmingyuan West Road, HaiDian District, Beijing, 100193, People's Republic of China ~72: AN Peng;CHEN Chong;GUO Huiyuan;GUO Jiayue;HU Yao;HUANG Jiaqiang;LI Yuan;LIU Siyuan;NIE Chao;SUN Yanan;ZHANG Hao;ZHANG Weibo;ZHANG Yan~ 33:CN ~31:2023108475760 ~32:12/07/2023

2024/03559 ~ Complete ~54:PRODUCTION METHOD FOR PUMPKIN SEED MEAL MULTI-BACTERIA SOLID STATE FERMENTATION FEED ~71:Beijing Bangshifu Bio-tech Co., Ltd., Room 808, Unit 3, 7th Floor, Building 1, No. 4 Shengmingyuan Road, Changping District, Beijing, 102206, People's Republic of China;Tianjin Agricultural University, No. 22, Jinjing Road, Xiqing District, Tianjin, 300384, People's Republic of China ~72: CHEN, Erlu;LI, Yubin;LI, Zonghan;QI, Dasheng;TONG, Yingkai;XING, Yanzhi;ZHANG, Yi~

2024/03562 ~ Complete ~54:ASSESSMENT METHOD FOR SUSTAINABLE LIVELIHOOD OF RURAL TOURISM HOUSEHOLD ~71:Baicheng Normal university, No. 57, Zhongxingxi Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China;Liaoning Ecological Engineering Vocational University, No. 57, Zhongxingxi Road, Taobei District, Baicheng City, Jilin Province, People's Republic of China ~72: Cui Hongyan;Gao Biao;Jiang Naiyuan;Li Aiyang;Li Long;Lu Xiaoling;Xu Bo;Yang Hui~

2024/03564 ~ Complete ~54:IMMUNOCOMB DETECTION STRIP FOR STL1V1 ANTIBODY, PREPARATION METHOD AND APPLICATION THEREOF ~71:HAIKOU CUSTOMS TECHNOLOGY CENTRE, 9th to 16th Floors, East Building, No. 165 Haixiu West Road, Xiuying District, Haikou, People's Republic of China;KUNMING CUSTOMS TECHNOLOGY CENTRE, No. 359 Guangfu Road, Xishan District, Kunming City, People's Republic of China ~72: AI, Jun;CAI, Weikai;CHEN, Lijun;GAO, Shenyang;HAN, Diangang;LI, Dandan;LI, Jing;LIN, Hua;QIU, Suoping;TIAN, Chaoyang;WANG, Lin;WANG, Yu;ZHANG, Qiang~

2024/03571 ~ Complete ~54:A ROCK BOLT ASSEMBLY AND ASSOCIATED METHOD ~71:Rocbolt Technologies (Pty) Ltd., 30 North Reef Road, Elandsfontein, GERMISTON 1429, SOUTH AFRICA, South Africa ~72: BELLINGHAM, Werner Cornelius~

2024/03576 ~ Complete ~54:A MULTIMEDIA TEACHING DEVICE FOR IDEOLOGICAL AND POLITICAL EDUCATION IN MILITARY COURSES IN UNIVERSITIES ~71:Guangzhou College of Technology and Business,

No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Gao Min;Hu Gang;Wu Weijie~

2024/03584 ~ Complete ~54:MEMBRANE-ELECTRODE ASSEMBLY WITH SEALED FRAME ~71:Carl Freudenberg KG, Höhnerweg 2-4, WEINHEIM 69469, GERMANY, Germany ~72: HENGGE, Katharina;JURZINSKY, Tilman;MACK, Florian;QUICK, Christian;RANGARAJAN, Ashwin;WAHLE, Pascal~ 33:DE ~31:10 2021 132 696.6 ~32:10/12/2021

2024/03567 ~ Complete ~54:BETA-CARBOLINE-BENZOQUINOLIZIDINE ALKALOID, PREPARATION METHOD THEREOF AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Longhua District, Haikou, Hainan, 571127, People's Republic of China ~72: CHEN Guangying;HAN Qiaoyuan;WEI Yanmei;YU Zhangxin;ZHANG Xuan~ 33:CN ~31:202410165834.1 ~32:05/02/2024

2024/03572 ~ Complete ~54:A STERILIZATION AND DISINFECTION SPRAYING DEVICE FOR INFECTIOUS DISEASES ~71:Shanghai Jiading District Waigang Town Community Health Service Center, No. 355, Qichang Road, Waigang Town, Jiading District, Shanghai City, 201806, People's Republic of China ~72: Donghua Chen;Hui Yang;Lifeng Zhou;Yongyan Huo~

2024/03591 ~ Complete ~54:NOVEL PEPTIDES ~71:ALLIGATOR BIOSCIENCE AB, Medicon Village Scheelevägen 2, 223 81, Lund, Sweden ~72: ANNA SÄLL;KARIN HÄGERBRAND;LAURA VARAS;LAURA VON SCHANTZ;MATTIAS LEVIN;PETER ELLMARK~ 33:GB ~31:2115925.6 ~32:05/11/2021;33:GB ~31:2204539.7 ~32:30/03/2022;33:GB ~31:2212801.1 ~32:02/09/2022

2024/03594 ~ Complete ~54:CHEMICAL FILTER ASSEMBLIES ~71:DONALDSON COMPANY, INC., 1400 West 94th Street, Bloomington, United States of America ~72: ADAMEK, Daniel E.;KRUGER, Steve M.;LAUER, David D.;LAWSON, Shane;MORAVEC, Davis B.;SUTHAR, Anil~ 33:US ~31:63/271,867 ~32:26/10/2021

- APPLIED ON 2024/05/10 -

2024/03630 ~ Complete ~54:KOAPT-THERAPY-BASED TREATMENT AND REHABILITATION DEVICE FOR DEGENERATIVE KNEE JOINT DISEASE ~71:WUHAN KEDE MEDICAL INSTRUMENT CO., LTD., Room 1404, Block B, Wuhan Plaza, Apartment No. 358, Jiefang Avenue, Jiangnan District, Wuhan, Hubei, 430000, People's Republic of China ~72: LIU, Xinting;SONG, JiuHong;ZHANG, Guosheng~ 33:CN ~31:202111313071.3 ~32:08/11/2021

2024/03634 ~ Complete ~54:NOROVIRUS VACCINE AND METHODS OF USE ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: ATOCHINA-VASSERMAN, Elena;WEISSMAN, Drew~ 33:US ~31:63/272,439 ~32:27/10/2021

2024/03622 ~ Complete ~54:ERDAFITINIB FORMULATIONS AND SYSTEMS FOR INTRAVESICAL ADMINISTRATION ~71:TARIS Biomedical LLC, 113 Hartwell Avenue, LEXINGTON 02421, MA, USA, United States of America ~72: DANIEL, Karen;DELAET, Urbain Alfons C.;DHONDT, Jens Julien Maurits Andre;GIESING, Dennis;HEYNS, Philip Erna H.;MAMIDI, Srinivas~ 33:US ~31:63/254,974 ~32:12/10/2021;33:US ~31:63/255,387 ~32:13/10/2021;33:US ~31:63/311,841 ~32:18/02/2022

2024/03597 ~ Provisional ~54:SYSTEM AND METHOD FOR FINANCIAL TRANSACTIONS USING CELLPHONE NUMBERS ~71:Siphiwe, 6 Klipspringer Avenue, South Africa ~72: Siphiwe~

2024/03599 ~ Complete ~54:COMBINED MEDICINE FOR BACTERIAL HEMORRHAGIC SEPTICEMIA IN PELODISCUS SINENSIS ~71:Institute of Biological Resources, Jiangxi Academy of Sciences, No. 7777 Changdong Avenue, Nanchang City, Jiangxi Province, 330096, People's Republic of China ~72: HE, Li;HUAN,

Zhongyan;HUANG, Jiangli;MAO, Chunxia;SHENG, Ping;WANG, Dongsheng;WANG, Hongxiu;WANG, Juhua;WU, Guohui;WU, Jianshao;XIONG, Yuanquan;YANG, Chunhua;ZHANG, Guohua;ZHANG, Zhihong~

2024/03624 ~ Complete ~54:USER AUTHENTICATION IN AN INDUSTRIAL SYSTEM ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HAVERINEN, Henry;HOLAPPA, Jarkko;KOSKINEN, Johannes;PAAJANEN, Eero;PAAVOLA, Jere~ 33:EP ~31:21210461.6 ~32:25/11/2021

2024/03595 ~ Provisional ~54:REINFORCED POLYMER CONNECTOR PLATE AND RELATED METHOD OF MANUFACTURE ~71:NIEUWENHUYS, Kathleen, ERF 802, 28 Jay Street, RANT-EN-DAL, Krugersdorp 1751, Gauteng, SOUTH AFRICA, South Africa;STEENBERG, Willem Frederick, 3 Grosvenor Road, Bryanston Ext 8, JOHANNESBURG 2191, Gauteng, SOUTH AFRICA, South Africa ~72: NIEUWENHUYS, Kathleen;STEENBERG, Willem Frederick~

2024/03608 ~ Complete ~54:STABLE SHORT-CIRCUIT TESTING DEVICE FOR BATTERY ~71:CIMC Huanyu (Shandong) Vehicle Certification Testing Co., Ltd., No. 1266, Chongde Fifth Avenue, Yuanqiao Town, Economic and Technological Development Zone, Dezhou, Shandong Province, 253000, People's Republic of China ~72: HUANG, Xiaobo;TIAN, Xiaochong~

2024/03639 ~ Complete ~54:GENE THERAPY FOR TREATMENT OF MUCOPOLYSACCHARIDOSIS IIIA ~71:Amicus Therapeutics, Inc, 3675 Market Street, PHILADELPHIA 19104, PA, USA, United States of America;The Trustees of the University of Pennsylvania, Penn Center for Innovation, 3600 Civic Center Blvd., 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: DO, Hung;HORDEAUX, Juliette;RASSOULI-TAYLOR, Leida;TUSKE, Steven;WILSON, James M.~ 33:US ~31:63/278,775 ~32:12/11/2021;33:US ~31:63/288,293 ~32:10/12/2021

2024/03607 ~ Complete ~54:METHOD FOR SEGMENTING MEDICAL IMAGE DATA, DEVICE, AND PRODUCT ~71:Shanxi Cancer Hospital, No.3, Zhigong New Street, Taiyuan City, Shanxi Province, 030013, People's Republic of China;Taiyuan University of Technology, No. 79 West Yingze Street, Taiyuan, Shanxi, 030024, People's Republic of China ~72: LI, Fenglian;LI, Hongwei;WANG, Suzhe;WANG, Weili;WU, Zelin;ZHANG, Hongtao~ 33:CN ~31:202410396998.5 ~32:03/04/2024

2024/03626 ~ Complete ~54:HERBICIDE RESISTANCE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BLAIN, Rachael Elizabeth;DALE, Richard Paul;LANGFORD, Michael Phillip;SIMOES, Marta Andreia Horta~ 33:GB ~31:2116307.6 ~32:12/11/2021

2024/03632 ~ Complete ~54:VETERINARY SYRINGE ~71:Henke-Sass, Wolf GmbH, Keltenstrasse 1, TUTTLINGEN 78532, GERMANY, Germany ~72: EISELE, Melanie~ 33:DE ~31:10 2021 134 597.9 ~32:23/12/2021

2024/03641 ~ Provisional ~54:FLEXIBLE 360 DEGREE STABLE BASE WITH WHEELS FLOOR STAND SMARTPHONE HOLDER WITH BUILT-IN LCD DISPLAY AND SPEAKERS AND MICROPHONE AND WITH RECHARGEABLE BATTERY. ~71:AHMED WASEEF SAIB, 24 Park Avenue, Desainager, South Africa ~72: AHMED WASEEF SAIB~

2024/03629 ~ Complete ~54:NOVEL FORMULATION FOR DRYING OF POLYMER DYE CONJUGATED ANTIBODIES ~71:Beckman Coulter, Inc., 250 S. Kraemer Boulevard, BREA 92821, CA, USA, United States of America ~72: ARORA, Naina;CHAWLA, Sumeet;JAKKA, Gopinadh;JARARE, Aditya;JIVRAJANI, Mehul;SRINIVASAN, Shiva Ranjini;VENKATESH, Rajesh~

2024/03603 ~ Complete ~54:VENOUS THROMBUS PREVENTION APPARATUS WITH BLOOD FLOW MONITORING FUNCTION AND USE METHOD THEREOF ~71:Taizhou Municipal Hospital, No.581 Shifu

Avenue (East), Jiaojiang District, Taizhou City, Zhejiang Province, 318000, People's Republic of China ~72: Changjun Zheng;Yan Xu;Yingfang Li~

2024/03609 ~ Complete ~54:APPARATUS AND METHOD FOR PACKING ARTICLES ~71:MED AND AUTOMATION PROPRIETARY LIMITED, 28-30 Donkervliet Street, Paarl 7620, SOUTH AFRICA, South Africa ~72: VISAGIE, Gerhardus Johannes~ 33:ZA ~31:2023/05185 ~32:11/05/2023

2024/03612 ~ Complete ~54:ANTAGONIST ANTI-NPR1 ANTIBODIES AND METHODS OF USE THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: DUNN, Michael;MORTON, Lori~ 33:US ~31:63/286,476 ~32:06/12/2021;33:US ~31:63/310,078 ~32:14/02/2022

2024/03623 ~ Complete ~54:NOROVIRUS VACCINE AND METHODS OF USE ~71:The Trustees of the University of Pennsylvania, 3600 Civic Center Blvd, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: ATOCHINA-VASSERMAN, Elena;WEISSMAN, Drew~ 33:US ~31:63/272,439 ~32:27/10/2021

2024/03638 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH CENTRAL HYPOVENTILATION ~71:Apnimed, Inc. (Delaware), 20 Holyoke Street, CAMBRIDGE 02138, MA, USA, United States of America ~72: FARKAS, Ronald;MILLER, Lawrence G.;TARANTO-MONTEMURRO, Luigi;WHITE, David P.~ 33:US ~31:63/278,324 ~32:11/11/2021;33:US ~31:63/305,305 ~32:01/02/2022

2024/03640 ~ Complete ~54:NOVEL FORMULATION FOR DRYING OF POLYMER DYE CONJUGATED ANTIBODIES ~71:Beckman Coulter, Inc., 250 S. Kraemer Boulevard, BREA 92821, CA, USA, United States of America ~72: ARORA, Naina;CHAWLA, Sumeet;JAKKA, Gopinadh;JARARE, Aditya;JIVRAJANI, Mehul;SRINIVASAN, Shiva Ranjini;VENKATESH, Rajesh~

2024/03625 ~ Complete ~54:VALVE CYLINDER, IMPACT DEVICE AND METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: KELA, Timo;NIEMI, Jarkko;PÖLÖNEN, Juha~ 33:EP ~31:21212280.8 ~32:03/12/2021

2024/03633 ~ Complete ~54:CAGE AND BEARING ~71:Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd., No. 19, Kangding Road, Beijing Economic & Technological Development Zone, Daxing District, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: CHI, Haifeng;LI, Huixun;LIU, Dongxu;WANG, Mingwei~ 33:CN ~31:202210610614.6 ~32:31/05/2022

2024/03637 ~ Complete ~54:HERBICIDE RESISTANCE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: BLAIN, Rachael Elizabeth;DALE, Richard Paul;LANGFORD, Michael Phillip;SIMOES, Marta Andreia Horta~ 33:GB ~31:2116307.6 ~32:12/11/2021

2024/03628 ~ Complete ~54:GENE THERAPY FOR TREATMENT OF MUCOPOLYSACCHARIDOSIS IIIA ~71:Amicus Therapeutics, Inc, 3675 Market Street, PHILADELPHIA 19104, PA, USA, United States of America;The Trustees of the University of Pennsylvania, Penn Center for Innovation, 3600 Civic Center Blvd., 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: DO, Hung;HORDEAUX, Juliette;RASSOULI-TAYLOR, Leida;TUSKE, Steven;WILSON, James M.~ 33:US ~31:63/278,775 ~32:12/11/2021;33:US ~31:63/288,293 ~32:10/12/2021

2024/03704 ~ Provisional ~54:JAM ECONOMIZER: RECYCLE-REFUSE WATER AUTOMATIC WASHING MACHINE ~71:ALTHEA CLEON MARTLOUW, 805 HANS COVERDALE NORTH ROAD, EERSTERUST, GAUTENG, South Africa ~72: ALTHEA CLEON MARTLOUW ~

2024/03605 ~ Complete ~54:CUTTING DEVICE FOR FOREIGN OBJECT BETWEEN HEAT TRANSFER PIPES ON SECONDARY SIDE OF STEAM GENERATOR IN NUCLEAR POWER PLAN ~71:CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., Second to fifth floor, BX Building, Plant front area, People's Republic of China ~72: BIAN, Chunhua;CAI, Jinsong;HU, Minglei;LI, Qiuda;SHANG, Xianhe;WEN, Jie;YANG, Gang;ZHANG, Wei;ZHENG, Fuliang;ZHU, Changrong~ 33:CN ~31:202311734943.2 ~32:18/12/2023

2024/03613 ~ Complete ~54:PYRAZINE COMPOUNDS USEFUL IN THE TREATMENT OF PARASITIC PROTOZOAL INFECTION ~71:GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, GSK Medicines Research Centre, Gunnels Wood Road, United Kingdom ~72: FERNANDEZ-MOLINA, Jorge~ 33:EP ~31:21383056.5 ~32:23/11/2021

2024/03606 ~ Complete ~54:METHOD FOR BLINDLY MEASURING COAXIALITY OF UNDERWATER DEEP HOLE CHANNEL OF HEAVY WATER REACTOR ~71:CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., Second to fifth floor, BX Building, Plant front area, People's Republic of China;THIRD QINSHAN NUCLEAR POWER CO., LTD, Haiyan County, Zhejiang Province, People's Republic of China ~72: FAN, Shen;GAO, Jian;HE, Shaohua;LI, Qingshan;LI, Shisheng;LIU, Xiaonian;MENG, Zhiliang;QI, Hongchang;SHANG, Xianhe;SHEN, Jie;SONG, Chunli;WANG, Xuefang;WANG, Zhonghui;WU, Tianyuan;XU, Jun;ZHANG, Guoli;ZHANG, Qianbin;ZHANG, Wen;ZHAO, Xiaoling;ZOU, Zhengyu~ 33:CN ~31:202311029042.3 ~32:16/08/2023

2024/03610 ~ Complete ~54:BAGGING APPARATUS AND METHOD ~71:MED AND AUTOMATION PROPRIETARY LIMITED, 28-30 Donkervliet Street, Paarl 7620, SOUTH AFRICA, South Africa ~72: VISAGIE, Gerhardus Johannes~ 33:ZA ~31:2023/05229 ~32:12/05/2023

2024/03631 ~ Complete ~54:ERDAFITINIB FORMULATIONS AND SYSTEMS FOR INTRAVESICAL ADMINISTRATION ~71:TARIS Biomedical LLC, 113 Hartwell Avenue, LEXINGTON 02421, MA, USA, United States of America ~72: DANIEL, Karen;DELAET, Urbain Alfons C.;DHONDT, Jens Julien Maurits Andre;GIESING, Dennis;HEYNS, Philip Erna H.;MAMIDI, Srinivas~ 33:US ~31:63/254,974 ~32:12/10/2021;33:US ~31:63/255,387 ~32:13/10/2021;33:US ~31:63/311,841 ~32:18/02/2022

2024/03636 ~ Complete ~54:VALVE CYLINDER, IMPACT DEVICE AND METHOD ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: KELA, Timo;NIEMI, Jarkko;PÖLÖNEN, Juha~ 33:EP ~31:21212280.8 ~32:03/12/2021

2024/03602 ~ Complete ~54:POTENTIAL CONTROL FLOTATION REAGENT FOR LOW-GRADE COPPER SULPHIDE ORE ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: BAO, Yun;DONG, Yihang;MA, Wenhao;NIE, Jiale;WANG, Jina;WU, Xuyang;XU, Kaidong~

2024/03596 ~ Provisional ~54:REVERSE CHARGE EXCHANGE SYSTEM AND METHOD ~71:KAHLE, Georg Carl Beyers, 3 Woolston Road, WESTCLIFF, Johannesburg 2193, Gauteng, SOUTH AFRICA, South Africa ~72: KAHLE, Georg Carl Beyers~

2024/03598 ~ Complete ~54:APPLICATION OF BSPJ GENE INHIBITOR IN PREPARATION OF BRUCELLA WITH LOW TOXICITY ~71:Shihezi University, Shihezi University, Beisi Road, Shihezi City, Xinjiang, 832003, People's Republic of China ~72: CHEN, Chuangfu;MA, Zhongchen;WANG, Yong;ZHANG, Hui;ZHENG, Wei~

2024/03604 ~ Complete ~54:PERSONAL DOSE MANAGEMENT SYSTEM FOR NUCLEAR POWER PLANT ~71:JIANGSU NUCLEAR POWER COOPERATION, No. 9000, South Nuclear Power Road, Sucheng Street, Lianyung District, People's Republic of China ~72: HE, Zhaojun;HOU, Yao;HUANG, Yuyan;LIAO, Kaifeng;LU,

Dongyang;MA, Chengyao;SUN, Xiaokang;WANG, Anping;ZHANG, Jianzhong;ZHU, Gaobin~ 33:CN
~31:202310924742.2 ~32:25/07/2023

2024/03611 ~ Complete ~54:HIGH-POWER RECTIFICATION ARRANGEMENT FOR AN ELECTROLYSER SYSTEM ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106-5500, United States of America ~72: FAHD HASHIESH;SAJJAD FEKRIASL~ 33:US ~31:18/197,802
~32:16/05/2023

2024/03616 ~ Complete ~54:METHODS FOR TREATING CANCER ~71:BICYCLETX LIMITED, Blocks A&B Portway Building, Granta Park, Great Abington, Cambridge CB21 6GS, United Kingdom ~72: DAVID WITTY;DOMINIC SMETHURST;KEVIN MCDONNELL;PUNIT UPADHYAYA;SHAWN WATSON~ 33:US
~31:63/264,132 ~32:16/11/2021

2024/03615 ~ Complete ~54:POCKET-SIZE DEVICE FOR ISOTHERMAL NUCLEIC ACID AMPLIFICATION ~71:BIOPIX DNA TECHNOLOGY S.A., Nikolaou Plastira 100 Vassilika Vouton, Heraklion, 70013, Greece ~72: ALEXANDROS PANTAZIS;DIMITRA FOUNTA;GEORGIOS PAPADAKIS;NIKOLAOS FIKAS~ 33:EP
~31:21386071.1 ~32:12/11/2021

2024/03617 ~ Complete ~54:HYDROGEN LIQUEFIER ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106-5500, United States of America ~72: CHRISTOPHER F HARRIS;JOHN H PETRIK;PAUL HIGGINBOTHAM~ 33:US ~31:17/542,682 ~32:06/12/2021

2024/03618 ~ Complete ~54:SUBMERGED NOZZLE COMPRISING CONTINUOUS CIRCUMFERENTIAL WAVY RIBS ~71:VESUVIUS GROUP, S.A., rue de Douvrain 17, 7011, Ghlin, Belgium ~72: JOHAN RICHAUD;MARCEL RAVE;MARTIN KREIERHOFF~ 33:EP ~31:21210310.5 ~32:24/11/2021

2024/03619 ~ Complete ~54:ELECTROLYZER WITH HORIZONTAL CATHODE ~71:VERDEEN CHEMICALS INC., 500 108th Ave. NE, Suite 1100, Bellevue, Washington, 98004, United States of America ~72: AMOL NAIK;BHASKAR KRISHNA;DHURVENDER KUMAR;NISHCHAY CHADHA;VIPIN TYAGI~ 33:US
~31:17/567,046 ~32:31/12/2021

2024/03601 ~ Complete ~54:PHOTOVOLTAIC VEHICLE-MOUNTED ORNAMENT ~71:Zhikai Tu, No.49-3, Neighborhood Building, No.9 Fuqiang Road, Qingshan District, Baotou City, Inner Mongolia, People's Republic of China ~72: Zhikai Tu~ 33:CN ~31:202420712336X ~32:09/04/2024

2024/03621 ~ Complete ~54:CAGE AND BEARING ~71:Beijing Goldwind Science & Creation Windpower Equipment Co., Ltd., No. 19, Kangding Road, Beijing Economic & Technological Development Zone, Daxing District, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: CHI, Haifeng;LI, Huixun;LIU, Dongxu;WANG, Mingwei~ 33:CN ~31:202210610614.6 ~32:31/05/2022

2024/03614 ~ Complete ~54:NOVEL ANTIBODY-CYTOKINE FUSION PROTEIN, PREPARATION METHOD THEREFOR AND USE THEREOF ~71:LATTICON (SUZHOU) BIOPHARMACEUTICALS CO., LTD., Room 613, Building A, No.108 Yuxin Road, Suzhou Industrial Park, People's Republic of China ~72: LI, John Yuehua~ 33:CN
~31:202111196510.7 ~32:14/10/2021

2024/03600 ~ Complete ~54:ENGINEERING CONSTRUCTION SAFETY MANAGEMENT SIMULATION SYSTEM BASED ON BIM ~71:HENAN UNIVERSITY OF URBAN CONSTRUCTION, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467000, People's Republic of China ~72: CHEN Yao;LI Hua;XIE Fan;ZHANG Zilu;ZHAO Xupei~

2024/03620 ~ Complete ~54:VETERINARY SYRINGE ~71:Henke-Sass, Wolf GmbH, Keltenstrasse 1, TUTTLINGEN 78532, GERMANY, Germany ~72: EISELE, Melanie~ 33:DE ~31:10 2021 134 597.9 ~32:23/12/2021

2024/03627 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING CONDITIONS ASSOCIATED WITH CENTRAL HYPOVENTILATION ~71:Apnimed, Inc. (Delaware), 20 Holyoke Street, CAMBRIDGE 02138, MA, USA, United States of America ~72: FARKAS, Ronald;MILLER, Lawrence G.;TARANTO-MONTEMURRO, Luigi;WHITE, David P.~ 33:US ~31:63/278,324 ~32:11/11/2021;33:US ~31:63/305,305 ~32:01/02/2022

2024/03635 ~ Complete ~54:USER AUTHENTICATION IN AN INDUSTRIAL SYSTEM ~71:Sandvik Mining and Construction Oy, Pihtisulunkatu 9, TAMPERE 33330, FINLAND, Finland ~72: HAVERINEN, Henry;HOLAPPA, Jarkko;KOSKINEN, Johannes;PAAJANEN, Eero;PAAVOLA, Jere~ 33:EP ~31:21210461.6 ~32:25/11/2021

- APPLIED ON 2024/05/13 -

2024/03658 ~ Complete ~54:TEST PLATFORM STRUCTURE FOR ENGINEERING MACHINERY DESIGN ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, 137000, People's Republic of China ~72: CUI Changqing;HUANG Xinrui;LI Guobin;WANG Tianmin;YANG Chunyan;YI Bingqian;ZHAO Peng~

2024/03867 ~ Provisional ~54:SAFETY NET ~71:wessel jacobus gouws, 35 bowtie drive, South Africa ~72: wessel jacobus gouws~

2024/03663 ~ Complete ~54:SEGMENTAL PRECAST CONCRETE HOLLOW PIER BENT BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: FAN Zhezhe;GUAN Jiayu;HU Guoping;LI Changzhe;LI Hui;LIU Jiawei;RUAN Xiaoxue;WANG Yuhua;XIA Yingzhi;ZHANG Huiyuan~

2024/03644 ~ Provisional ~54:METHOD AND SYSTEM FOR MANAGING A PUBLICATION OF CONTENT ON A SOCIALNETWORK ~71:WORLDWIDE INVENTIONS (PTY) LTD, Unit 301 Miramar, 40A Victoria Rd, South Africa ~72: WOLFF, Alan~

2024/03680 ~ Complete ~54:A TOTAL WEIGHTAGE SCORE SYSTEM FOR REAL ESTATE PROPERTY VALUATION ~71:PRADHAN, Vijaya Sitaram, PROFESSOR, CIVIL ENGINEERING DEPARTMENT OF JAWAHARLAL NEHRU ENGINEERING COLLEGE, MGM, CIVIL ENGINEERING DEPARTMENT OF JAWAHARLAL NEHRU ENGINEERING COLLEGE, MGM (MAHATMA GANDHI MISSION) UNIVERSITY, CHHATRAPATI, SAMBHAJINAGAR, MAHARASHTRA, 431003, India;SONAR, Nandkishor Balaji, ASSISTANT PROFESSOR, CIVIL ENGINEERING DEPARTMENT OF JAWAHARLAL NEHRU ENGINEERING COLLEGE, MGM (MAHATMA GANDHI MISSION) UNIVERSITY, CHHATRAPATI, SAMBHAJINAGAR, MAHARASHTRA, 431003, India ~72: PRADHAN, Vijaya Sitaram;SONAR, Nandkishor Balaji~

2024/03688 ~ Complete ~54:A WATER PURIFIER BASED ON RICE STRAW ACTIVATED CARBON AND ITS USAGE METHOD ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City, People's Republic of China ~72: Chen Meimei;Mai Zhijian;Wang Yibo;Zhang Yongli~

2024/03652 ~ Complete ~54:A B12CRO6 OXYGEN-EVOLVING PHOTOCATALYST AND ITS PREPARATION METHOD ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: Bai Wenyu;Cui Leqi;Kang Haiyan;Li Baixin;Li Yanna;Ma

Mengxia;Mao Yanli;Pang Dandan;Song Zhongxian;Yan Xu;Zhang Xia;Zhou Jieqiang;Zhu Han;Zhu Xinfeng~
33:CN ~31:2023113004207 ~32:09/10/2023

2024/03655 ~ Complete ~54:LOW DENSITY AND HIGH STRENGTH SHALE GAS WELL CEMENTING SLURRY
~71:CNBM Zhongyanyi Technology Co., Ltd., No. 1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024,
People's Republic of China;China Building Materials Academy Co., Ltd., No. 1 Guanzhuang Dongli, Chaoyang
District, Beijing, 100024, People's Republic of China;China National Building Material Group Co., Ltd., Building 2,
Guohai Plaza, No. 17 Fuxing Road, Haidian District, Beijing, 100036, People's Republic of China ~72: Ao
LIU;Guanbao TANG;Guang YAO;Kunyue ZHANG;Min WANG;Mingming SUN;Suihua GUO;Wen HUANG;Xianbin
WANG;Xianshu GAO;Xiao ZHI;Xin SHEN;Yang YU;Yun LIU;Zhajun WEN~ 33:CN ~31:202310560643.0
~32:18/05/2023

2024/03665 ~ Complete ~54:PERFORMANCE DETECTION DEVICE AND METHOD FOR GAS-LOCK VALVE
~71:JIANGSU NUCLEAR POWER COOPERATION, No. 9000, South Nuclear Power Road, Sucheng Street,
Lianyung District, People's Republic of China ~72: CHEN, Bin;DENG, Hanqiu;FENG, Qi;LIU, Shiqiang~ 33:CN
~31:202310726248.5 ~32:19/06/2023

2024/03674 ~ Complete ~54:A PROCESS FOR SYNTHESIS OF K₃GD(PO₄)₂: SM₃⁺, EU₃⁺, DY₃⁺ PHOSPHOR
FOR WHITE LIGHT EMITTING DIODES ~71:ANSARI, Esarat, DEPARTMENT OF PHYSICS, RASTRASANT
TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR, MAHARASHTRA, 440033, India;DHOBLE, Sanjay J.,
DEPARTMENT OF PHYSICS, RASTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR,
MAHARASHTRA, 440033, India;PATLE, Shruti K., DEPARTMENT OF APPLIED PHYSICS, PRIYADARSHINI J.
L. COLLEGE OF ENGINEERING, NAGPUR, MAHARASHTRA, 440009, India;SHARMA, Ravi, DEPARTMENT
OF PHYSICS, GOVT. S. G. S. ARTS AND COMMERCE GIRLS COLLEGE, DEVENDRA NAGAR, RAIPUR,
CHHATTISGARH, 492001, India;UGEMUGE, Nilesh S., DEPARTMENT OF PHYSICS, ANAND NIKETAN
COLLEGE, ANANDWAN, WARORA, MAHARASHTRA, 442907, India ~72: ANSARI, Esarat;DHOBLE, Sanjay
J.;PATLE, Shruti K.;SHARMA, Ravi;UGEMUGE, Nilesh S.~

2024/03684 ~ Complete ~54:METHOD OF CUTTING TOP AND UNLOADING PRESSURE IN COAL SEAM
WORKING FACE ~71:Beijing Window Technology Co., Ltd., 1208, 12th Floor, Building 1, No. 59, Zhongshan
Street, Tongzhou District, Beijing City, People's Republic of China;Huating Coal Group Co.,Ltd., No. 3, Huangfu
Road, Shangting Community, Xihua Town, Huating City, Gansu Province, People's Republic of China;North China
Institute of Science and Technology, 467 Xueyuan Street, Yanjiao Town, Sanhe City, Hebei Province, People's
Republic of China ~72: Chen Yanfeng;Gao Yanpeng;Guo Jingzhong;Guo Rongfeng;Li Hui;Li Xuqiang;Li
Yongjun;Liu Yude;Liu Zhou;Pu Xin;Wu Gaowei;Yang Yuanzhong;Yang Yunbin;Zhang Wenfeng;Zhao
Huiqiang;Zhao Xudong~

2024/03693 ~ Complete ~54:NEBULIZATION OF FAB FRAGMENTS ~71:argenx BV, Industriepark Zwijnaarde 7,
GENT 9052, BELGIUM, Belgium ~72: HEUZÉ-VOURC'H, Nathalie;PERCIER, Jean-Michel;VAN DER WONING,
Paul Sebastian~ 33:GB ~31:2200592.0 ~32:18/01/2022

2024/03703 ~ Complete ~54:LIQUID COMPOSITION OF CERAMIDES AND PALMITIC ACID AMIDES
~71:UNIFARCO S.P.A., Via Cal Longa 62 32035 Santa Giustina BL, Italy ~72: GIOVANNI BARATTO~ 33:IT
~31:102021000029171 ~32:18/11/2021

2024/03694 ~ Complete ~54:USE OF MARIBAVIR FOR THE TREATMENT OF AND TREATMENT REGIMENS
THEREOF ~71:Takeda Pharmaceutical Company Limited, 1-1, Doshomachi 4-chome, Chuo-ku, OSAKA-SHI
541-0045, OSAKA, JAPAN, Japan ~72: BARTER, Zoe Elizabeth;BURT, Howard James;CHEN,
Grace;CROUTHAMEL, Matthew;MICHON, Ingrid Nicolle;NEUHOFF, Sibylle;SONG, Heng;SUN, Kefeng;ZHU,
Andy Z.X.~ 33:US ~31:63/281,206 ~32:19/11/2021

2024/03697 ~ Complete ~54:REFRACTORY PRODUCT AND ITS USE ~71:RHI MAGNESITA BOCHUM GMBH, Dr. C. Otto Strasse 222 , 44879, Bochum, Germany;TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: FRED BRUNK;JOHANNES RUBEN LARSEN~ 33:DK ~31:PA202101121 ~32:26/11/2021

2024/03643 ~ Provisional ~54:SYSTEM AND METHOD TO HARNESS A 3RD PARTY'S FINANCIAL RISK MANAGEMENT FOR SUSTAINABLE BUSINESS GROWTH AND COMPETITIVE PRICING OF THE LEGAL EXPENSES INSURANCE. ~71:Tshepiso Selby Mofokeng, 09 Chert Avenue Fleurhof, South Africa ~72: Tshepiso Selby Mofokeng~

2024/03654 ~ Complete ~54:PREPARATION METHOD AND APPLICATION OF MEDICINE WOUND DRESSING ~71:Anhui Polytechnic University, Beijing Middle Road, Wuhu City, Anhui Province, 241004, People's Republic of China;WANNAN MEDICAL COLLEGE, 22 Wenchang West Road, Higher Education Park, Wuhu City, Anhui Province, 241003, People's Republic of China ~72: WANG Hengbing;WANG Juan;WEI Anfang;WEI Tianjian~ 33:CN ~31:2024104201249 ~32:09/04/2024

2024/03656 ~ Complete ~54:GETTER SUPPLY APPARATUS FOR VACUUM GLASS PRODUCTION LINE ~71:Hunan Yufeng Vacuum Science and Technology Co., Ltd, No. 2, Dazhong East Road, Jiuhua Demonstration Zone, Xiangtan City, Hunan Province, 411100, People's Republic of China ~72: LI, Guoqiang;LI, Zan;LIU, Guoli;OUYANG, Jie;SHU, Yi~

2024/03664 ~ Complete ~54:KIND OF TRADITIONAL CHINESE MEDICINE POWDER FOR TREATING FATTY LIVER ~71:Fujian Longqing Industrial Co., Ltd., (within the Pilot Free Trade Zone) Area A-2576, 15th Floor, Comprehensive Building, Free Trade Zone, Fuzhou, Fujian, People's Republic of China ~72: Yaoxing Weng~ 33:CN ~31:2024103652937 ~32:28/03/2024

2024/03667 ~ Complete ~54:THE LAWNMOWER SYSTEM AND MOWING METHOD BASED ON SOLAR POLARIZED LIGHT POSITIONING ~71:Zhejiang University, 866 Yuhangtang Road, Xihu District, Hangzhou City, Zhejiang Province, 310058, People's Republic of China ~72: Zhenyu Liu~

2024/03669 ~ Complete ~54:A 3D PRINTED BIODEGRADABLE AURICLE FIXING DEVICE ~71:Affiliated Huishan Hospital of Xinglin College, Nantong University, Wuxi Huishan District People's Hospital, No. 2, Zhanqian North Road, Luoshe Town, Huishan District, Wuxi City, Jiangsu Province, 214187, People's Republic of China ~72: Xiangming Meng~

2024/03671 ~ Complete ~54:IMPROVEMENTS TO DEVICES AND METHODS FOR DELIVERY OF SUBSTANCES TO ANIMALS ~71:Ruminant BioTech Corp Limited, 105 Bellevue Road, RD 4, HAMILTON 3284, NEW ZEALAND, New Zealand ~72: BHUSAL, Prabhat;CORBETT, Geoffrey Earle;GLADDEN, Neil Richard;HAYMAN, David Leslie;LAY, Mark Christopher;THOMAS, Hayden Peter~ 33:NZ ~31:770786 ~32:08/12/2020;33:AU ~31:2021900932 ~32:30/03/2021;33:AU ~31:2021221810 ~32:25/08/2021

2024/03677 ~ Complete ~54:AN ATTACK RESISTANT SECURITY SYSTEM IN NAMED DATA NETWORKING ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: MAHALLE, Parikshit N.;MIRAJKAR, Riddhi R.;SABLE, Nilesh P.;SHINDE, Gitanjali R.~

2024/03687 ~ Complete ~54:A FOOD ANTIOXIDANT TREATMENT DEVICE BASED ON POLYPHENOLIC SUBSTANCES ~71:Guangzhou College of Technology and Business, No. 28 Shiling South Ring Road, Shiling Town, Huadu District, Guangzhou City,, People's Republic of China ~72: Chen Haoxin;Hou Zhenzhen;Wang Shuo~

2024/03645 ~ Complete ~54:MACROLIDE COMPOUND FROM THE SECONDARY METABOLITES OF DEEP-SEA SEDIMENT-DERIVED FUNGUS, PREPARATION METHOD THEREOF AND USE THEREOF ~71:HAINAN NORMAL UNIVERSITY, No. 99 Longkun South Road, Longhua District, Haikou, Hainan, 571127, People's Republic of China ~72: CHEN Guangying;LI Wanshan;QIN Yuyue;ZHANG Xuan~ 33:CN ~31:202410191871.X ~32:20/02/2024

2024/03648 ~ Complete ~54:RAIN-PROOF INTELLIGENT EXTENSION TYPE CLOTHES HANGER ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03653 ~ Complete ~54:A VARIABLE-FOCUS MICROLENS ARRAY BASED ON PIEZOELECTRIC CERAMICS AND ITS PREPARATION METHOD ~71:Zhaoqing University, Zhaoqing Dadao Street, Duanzhou District, Zhaoqing City, People's Republic of China ~72: Chen Qinghua;Chen Rongrong;Lai Zunlong;Luo Zitao;Wang Xiahui;Xu Li~ 33:CN ~31:2024104420392 ~32:12/04/2024

2024/03668 ~ Complete ~54:REVERSIBLE DISTANCE-ADJUSTABLE CLOTHES HANGER ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03685 ~ Complete ~54:CONSTRAINED CONDITIONALLY ACTIVATED BINDING PROTEINS ~71:TAKEDA PHARMACEUTICAL COMPANY LIMITED, 1-1 Doshomachi 4-Chome Chuo-Ku, Osaka-shi, 541-0045, Japan ~72: ANAND PANCHAL;CHAD MAY;MAIA VINOGRADOVA;ROBERT B DUBRIDGE~ 33:US ~31:62/555,943 ~32:08/09/2017;33:US ~31:62/586,627 ~32:15/11/2017;33:US ~31:62/587,318 ~32:16/11/2017

2024/03650 ~ Complete ~54:CATALYTIC MATERIAL FOR DESULFURIZATION AND DENITRATION, AND PREPARATION METHOD AND APPLICATION THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467036, People's Republic of China ~72: BAN, Yingying;CHEN, Yingzan;HUANG, Jinhe;LI, Peijie;LI, Pengfei;LIANG, Banglei;MAO, Yanli;REN, Haibo;REN, Yanli;SONG, Chengjian;XIA, Xuelian;ZHANG, Huiyan;ZHANG, Wujiao;ZHANG, Yanbing~

2024/03662 ~ Complete ~54:SEGMENTAL PRECAST CONCRETE HOLLOW PIER OBLIQUE BOLT CONNECTION STRUCTURE AND CONSTRUCTION METHOD THEREOF ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan, Henan Province, 467041, People's Republic of China ~72: FAN Zhezhe;GUAN Jiayu;HU Guoping;LI Changzhe;LI Hui;LIU Jiawei;RUAN Xiaoxue;WANG Yuhua;XIA Yingzhi;ZHANG Huiyuan~

2024/03670 ~ Complete ~54:UNDERGROUND SPACE CONNECTING AND FIXING DEVICE AND METHOD ~71:CHINA RAILWAY SEVENTH GROUP CO., LTD., 1225 Hanghai East Road, Zhengzhou City, People's Republic of China;CHINA RAILWAY SOUTH INVESTMENT GROUP CO., LTD., China Railway Building, No. 3333 Zhongxin Road, Yuehai Street, Nanshan District, People's Republic of China;SHENZHEN UNIVERSITY, 3688 Nanhai Avenue, Yuehai Street, Nanshan District, People's Republic of China;STECOL CORPORATION, 4-2101, No.2 Rongyuan Road, Huayuan Industrial Zone, People's Republic of China ~72: Aiguo YIN;Chengyu HONG;Dong SU;Jiqiang LIU;Junkun TAN;Min ZHU;Xiangsheng CHEN~

2024/03679 ~ Complete ~54:A SYSTEM FOR CONVENIENT AND SECURE DOCUMENT TRANSFER TO LOCAL PHOTOCOPY CENTERS ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BHOSALE, Anushka Anant;CHOPADE, Animish Balkrishna;DESHMUKH, Vishwesh;KULKARNI, Vrushabh Sudarshan;SAKHARE, Nitin~

2024/03682 ~ Complete ~54:A CLOUD-BASED SYSTEM FOR IMPROVED AUTOMATIC TEXT SUMMARIZATION VIA SEMANTIC AND SYNTACTICAL APPROACHES ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: DABADE, Manisha Sachin;KHARATE, Namrata;MAHALLE, Parikshit N.;SABLE, Nilesh P.;SHINDE, Gitanjali R.~

2024/03686 ~ Complete ~54:PHTHALAZINE DERIVATIVES AS PYRUVATE KINASE MODULATORS ~71:SITRYX THERAPEUTICS LIMITED, 101 Bellhouse Building, Magdalen Centre, United Kingdom ~72: DAVID, Cousin;OSCAR, Barba~ 33:EP ~31:21216843.9 ~32:22/12/2021;33:EP ~31:22177827.7 ~32:08/06/2022;33:GB ~31:PCT/GB2022/052781 ~32:04/11/2022

2024/03657 ~ Complete ~54:GEAR RAPID ASSEMBLY DEVICE FOR MACHINING ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, 137000, People's Republic of China ~72: CUI Changqing;HUANG Xinrui;LI Guobin;WANG Tianmin;YANG Chunyan;YI Bingqian;ZHAO Peng~

2024/03689 ~ Complete ~54:DISASTER CLASSIFICATION METHOD FOR LANDSLIDES AND COLLAPSE, AND ELECTRONIC DEVICE ~71:BEIJING GUODAOTONG HIGHWAY DESIGN AND RESEARCH INSTITUTE CO., LTD, 8th Floor, 10 Lianhuachi Xili, Fengtai District, Beijing, 100055, People's Republic of China;CHECC DATA CO., LTD., Block A, 9th Floor, Jiahao International Centre, 116Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116Zizhuyuan Road, Haidian District, Beijing, 100097, People's Republic of China;TONGJI UNIVERSITY, No.1239 Siping Road, Yangpu District, Shanghai, 200092, People's Republic of China ~72: CUI, Li;CUI, Yuping;DENG, Xiaolong;DONG, Yuanshuai;HE, Naiwu;HOU, Yun;LIU, Chun;SONG, Hongxia;WU, Hangbin;YU, Haichen;ZHANG, Peng;ZHANG, Yunling~ 33:CN ~31:202210481059.1 ~32:05/05/2022

2024/03696 ~ Complete ~54:AN IMPROVED METHOD OF MANUFACTURING A FLEXIBLE CONTAINER ~71:MANTZIVIS, Lionel, 1 Villa Tosca, Valencia Street, Uitzicht, Durbanville, 7550, Cape Town, South Africa ~72: MANTZIVIS, Lionel~ 33:ZA ~31:2022/01386 ~32:01/02/2022

2024/03706 ~ Provisional ~54:WASHING MACHINE ~71:THIERNO IBRAHIMA DIALLO, 02 FLAMBOYANT AVE, South Africa ~72: SINOEURO APPLIENCES~ 33:ZA ~31:12 ~32:10/05/2024

2024/03659 ~ Complete ~54:IMMUNOPOTENTIATOR AND APPLICATION THEREOF ~71:Changchun University of Chinese Medicine, No. 1035 Boshuo Road, Jingyue National High tech Industrial Development Zone, Changchun City, Jilin Province, 130117, People's Republic of China ~72: GAO, Yang;LI, Yinqing;LV, Guangfu;XU, Duoduo;ZHANG, Yanqiu;ZHENG, Wei~

2024/03666 ~ Complete ~54:METHOD FOR SYNTHESIZING FLAVONOID 7-O-NEOHESPERIDIN ~71:Guizhou University, Guizhou University (West Campus), Huaxi District, Guiyang City, Guizhou Province, 550025, People's Republic of China ~72: DAI, Xinlong;MA, Jie;YANG, Changli;ZHOU, Xingrong~

2024/03647 ~ Complete ~54:GANTRY LIFTING DEVICE ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03692 ~ Complete ~54:POLYMORPHS OF THE HYDROCHLORIDE SALT OF LINAPRAZAN GLURATE ~71:Cinclus Pharma Holding AB (publ), Kungsbron 1, Level 3, Elevator G, STOCKHOLM 111 22, SWEDEN, Sweden ~72: HILLGREN, Mikael;JARRING, Kjell;LARSSON, Thomas;LIN, Xingbang;WANG, Dan~ 33:IB ~31:2021/128918 ~32:05/11/2021

2024/03695 ~ Complete ~54:INCREASED BIOLOGICAL AGENT PERFORMANCE AND REDUCED VARIATION ACROSS AREAS OF APPLICATION ~71:Biocontrol, LLC, 1000 Westgate Drive, Lab 144, Saint Paul, MINNESOTA 55114, USA, United States of America ~72: KINKEL, Linda L.~ 33:US ~31:63/279,975 ~32:16/11/2021

2024/03698 ~ Complete ~54:MULTI-STAGE ADSORBER DEVICE AND USES THEREOF FOR CHILLING AND/OR ATMOSPHERIC WATER HARVESTING ~71:FRESHAPE SA, Avenue d'Epenex 4a, 1020, Renens, Switzerland ~72: CHIN LEE ONG;MATHIEU RUBI~

2024/03702 ~ Complete ~54:CARBOLINE COMPOUNDS AND USE THEREOF ~71:PTC THERAPEUTICS, INC., 100 Corporate Court, South Plainfield, New Jersey, 07080, United States of America ~72: BRADLEY B GILBERT;GANG WANG;HONGYU REN;JIN ZHUO;LIANGXIAN CAO;MALTE MIKUS;MATTEO CHERCHIA;RAMIL BAIAZITOV;WOOHYUNG JEON;YOUNG-CHOON MOON;ZACHARY POWERS~ 33:US ~31:63/295,844 ~32:31/12/2021

2024/03642 ~ Provisional ~54:WASHING MACHINE ~71:THIERNO IBRAHIMA DIALLO, 02 FLAMBOYANT AVE, South Africa ~72: SINOEURO APPLIENCES~ 33:ZA ~31:12 ~32:10/05/2024

2024/03649 ~ Complete ~54:ADJUSTABLE FLOOR-TYPE CLOTHES HANGER ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03660 ~ Complete ~54:FAULT SIMULATION DEVICE FOR THREE-PHASE FIVE-WIRE SWITCH MACHINE ~71:Tangshan University, No. 11 University West Road, Hi-tech Zone, Tangshan, Hebei Province, People's Republic of China ~72: CAO Yali;DOU Xinyu;JIN Wenxiang;QI Yuxia;SUN Baobin;WANG Jianlong;WANG Jianyu;WU Jiang;YAN Tianlong~

2024/03675 ~ Complete ~54:TRAJECTORY PLANNING METHOD BASED ON PSO WITH PARAMETERS DECREASED NONLINEARLY AND HYBRID POPULATIONS ~71:Anhui Polytechnic University, Beijing Middle Road, Jiujiang District, Wuhu City, Anhui Province, 241000, People's Republic of China;Huangshan Weiqi Intelligent Technology Co., Ltd, No. 12, Fengshan Road, Jiulong Industrial Park, Tunxi District, Mount Huangshan City, Anhui Province, 245041, People's Republic of China ~72: Gu Zhouyi;Hu Guodong;Liu Youyu;Shi Xiaowei;Tao Wanbao;Xie Xiaosi;Yang Siyang;Zhang Jianwen;Zhou Xiangxiang~

2024/03678 ~ Complete ~54:A SYSTEM FOR ENGINEERING COLLEGE RECOMMENDATION BASED ON MHT-CET AND JEE SCORES ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, Survey No. 3/4, Kondhwa (Budruk), Pune, Maharashtra, 411048, India ~72: ANERAO, Prashant;BHISE, Suhas;DESHPANDE, Abhijeet R.;KURULEKAR, Mahesh;MUNDADA, Kapil;RAMTIRTHKAR, Chandrashekhar R.;SOMATKAR, Avinash;WAWAGE, Pawan S.~

2024/03681 ~ Complete ~54:A SYSTEM AND METHOD FOR CALCULATION OF STATE OF HEALTH OF LI-ION BATTERY ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BHAGWAT, Smita Hanmant;CHAVAN, Rohini Abhijeet;MORE, Mayur Rajendra;PANCHBHAYYE, Amey Vishwas;SARODE, Jayesh Nitin;SHARMA, Govind Rajesh~

2024/03690 ~ Complete ~54:MOUNTAIN LANDSLIDE AND COLLAPSE DISASTER CLASSIFICATION METHOD BASED ON DECISION TREE, AND ELECTRONIC DEVICE ~71:CCCG XINGYU TECHNOLOGY CO., LTD., 101, 1-3/F, Block 1, No.6 Lixiang Road, Changping District, Beijing, 102200, People's Republic of China;CHANG'AN UNIVERSITY, Middle-section Of Nan'er Huan Road, Xi'an, Shaanxi, 710064, People's Republic of China;CHECC DATA CO., LTD., Block A, 9th Floor, Jiahao International Centre, 116Zizhuyuan Road

Haidian District, Beijing, 100097, People's Republic of China;CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION, Block A, 9th Floor, Jiahao International Centre, 116Zizhuyuan Road Haidian District, Beijing, 100097, People's Republic of China ~72: CUI, Li;CUI, Yuping;DENG, Xiaolong;DING, Mingtao;DONG, Yuanshuai;HE, Naiwu;HOU, Yun;HU, Lin;LI, Da-zhuo;LI, Zhenhong;LIU, Ling;QIAN, Zhenyu;SHEN, Jian-bo;YAO, Jun-feng;YU, Yonghua;YUAN, Hang;ZHANG, Xinlai;ZHANG, Yunling~ 33:CN ~31:202210481780.0 ~32:05/05/2022

2024/03699 ~ Complete ~54:ANTIMICROBIAL SYSTEM WITH BETA CARBOLINE ALKALOID AND PHENOLIC ACID AND COMPOSITIONS COMPRISING THEM ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BIJAN HARICHIAN;DEIDRE LEE MITCHELL;JOSE GUILLERMO ROSA;MATTHEW JOSEPH RIENZO~ 33:EP ~31:21217788.5 ~32:27/12/2021

2024/03646 ~ Complete ~54:COIN SORTING MACHINE ~71:CHANGZHOU INSTITUTE OF TECHNOLOGY, No. 666 Liaohe Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of China ~72: TIAN Wentong~

2024/03651 ~ Complete ~54:A WAX-BASED GROUTING MATERIAL AND METHOD FOR RECONSTRUCTING A WATER BARRIER LAYER DURING MINING OPERATIONS ~71:Xinjiang Institute of Engineering, KeChuang Road No.1350, Toutunhe District, Urumqi, Xinjiang, People's Republic of China ~72: Huang Yanli;Liang Youzhong;Ma Xiaochuan;Wang Yue;Yang Changde;Zheng Kaidan~ 33:CN ~31:2023114192010 ~32:30/10/2023

2024/03672 ~ Complete ~54:A MACHINE LEARNING BASED MENTAL DISORDER PREVALENCE FORECASTING SYSTEM ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: AMBHORE, Vishal;KADAM, Yash Ravindra;KHADE, Omkar Rajkumar;KSHIRSAGAR, Ketki P.;MAHALLE, Parikshit Narendra;PATIL, Suraj Raghunath;SHEVATRE, Sandhya P.~

2024/03673 ~ Complete ~54:AN INAPPROPRIATE IMAGE IDENTIFIER AND REPORTER SYSTEM ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: BHALDAR, Zaid Zulfikar;CHOPADEV, Yash Sandeep;DESHPANDE, Prathmesh Abhayrao;GOBADEV, Sahil Sudhir;MAHAJAN, Rupali;SHELKE, Priya Makarand;SHEWALE, Chaitali~

2024/03683 ~ Complete ~54:A MACHINE LEARNING BASED SYSTEM TO ESTIMATES NUMBER OF COUNTERS PROBLEM ~71:VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, SURVEY NO. 3/4, KONDHWA (BUDRUK), PUNE, MAHARASHTRA, 411048, India ~72: AHERKAR, Sakshi Rajesh;INGLE, Yashwant Sudhakar;JADHAV, Varsha;MAHALLE, Parikshit Narendra;SHAH, Vedanshi;WAYKOS, Prajwal Pravinkumar~

2024/03705 ~ Provisional ~54:CAR REGISTRATION SERVICES APPLIED VIA APP ONLINE ~71:GEORGE MAKHAYA MASOMBUKA, 1707 ALLEMANS DRIFT, BUTHI, South Africa ~72: GEORGE MAKHAYA MASOMBUKA~

2024/03700 ~ Complete ~54:ANTIMICROBIAL SYSTEM WITH BETA CARBOLINE ALKALOID AND INDOLE ALKALOID AND COMPOSITIONS COMPRISING THEM ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BIJAN HARICHIAN;DEIDRE LEE MITCHELL;JOSE GUILLERMO ROSA;MATTHEW JOSEPH RIENZO~ 33:EP ~31:21217790.1 ~32:27/12/2021

2024/03661 ~ Complete ~54:PRODUCTION SCHEDULING METHOD FOR COMPLEX CUSTOMIZATION INDUSTRY ~71:Shanghai Ocean University, No.999, Huchenghuan Rd, Nanhui New City, Pudong New District,

Shanghai, People's Republic of China ~72: CHEN Leilei;JIANG Bo;LI Jun~ 33:CN ~31:2024100225850
~32:08/01/2024

2024/03676 ~ Complete ~54:A CULTIVATION METHOD FOR DELAYED GRAPE RIPENING ~71:Shandong
Academy of Grape, No. 3666, East Road of Second Ring Road, Jinan City, Shandong Province, People's
Republic of China ~72: Chen Yingchun;Gong Lei;Li Bo;Ma Yujiao;Wu Xinying~

2024/03691 ~ Complete ~54:IONIC LIQUID COMPOSITIONS ~71:I2O THERAPEUTICS, INC., 610 Main Street,
Cambridge, United States of America ~72: BROWN, Tyler;IBSEN, Kelly~ 33:US ~31:63/277,878
~32:10/11/2021;33:US ~31:63/295,197 ~32:30/12/2021;33:US ~31:63/334,410 ~32:25/04/2022;33:US
~31:63/380,125 ~32:19/10/2022

2024/03701 ~ Complete ~54:LIQUID COMPOSITION HAVING ENHANCED ANTIMICROBIAL ACTIVITY
~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72:
CONNOR PATRICK WALSH;NICHOLAS ARTHUR VELEZIS;PREM CHANDAR;TIRUCHERAI VARAHAN
VASUDEVAN~ 33:EP ~31:21217787.7 ~32:27/12/2021

- APPLIED ON 2024/05/14 -

2024/03733 ~ Complete ~54:4-PHENYL-2-(1H-1,2,3-TRIAZOL-4-YL)PIPERIDIN-4-OL DERIVATIVES AS
INHIBITORS OF APOL1 AND METHODS OF USING SAME ~71:VERTEX PHARMACEUTICALS
INCORPORATED, 50 Northern Avenue, Boston, Massachusetts, 02210, United States of America ~72: AKIRA J
SHIMIZU;ALES MEDEK;CHARLENE TSAY;ELENA DOLGIKH;JESSICA H OLSEN;KEVIN B DANIEL;LESLIE A
DAKIN;MICHAEL A BRODNEY;PEDRO M GARCIA BARRANTES;STEVEN D STONE;TIMOTHY J SENTER~
33:US ~31:63/284,166 ~32:30/11/2021;33:US ~31:63/286,165 ~32:06/12/2021;33:US ~31:63/310,832
~32:16/02/2022

2024/03714 ~ Complete ~54:INNER MOLD USED IN PACKING BOX MOLDING MACHINE AND BUBBLE
PRESSING MACHINE ~71:Wen Jiang, Group 8, Anqiao Village, Gaoban Town, Jintang County, Chengdu,
Sichuan, People's Republic of China ~72: Wen Jiang~ 33:CN ~31:2023117440597 ~32:19/12/2023

2024/03731 ~ Complete ~54:ASSEMBLING TOOL ~71:BEIJING TENSAM HIGH-TECH WIND POWER
TECHNOLOGY CO., LTD., Room 401, Building 1, No. 19 Kangding Road Beijing Economic & Technological
Development Zone, Daxing District Beijing, 100176, People's Republic of China ~72: FENG YANG;HUAGENG
HAO;RUILONG XU;YANBIN LIN;YANJUN LIU~ 33:CN ~31:202122573161.8 ~32:25/10/2021

2024/03719 ~ Complete ~54:LIVESTOCK IDENTIFICATION AND TRACEABILITY SYSTEM ~71:MYCOW (PTY)
LTD, 174 Veale Street, Nieuw Muckleneuk, South Africa ~72: DE KOCK, Meyer Etienne;GOUWS, Johan
Andries~ 33:ZA ~31:2023/04079 ~32:03/04/2023

2024/03728 ~ Complete ~54:HELMET ~71:George TFE SCP, c/o Altiqua SAM, Le Patio Palace, 41 avenue Hector
Otto, MONACO 98000, MONACO, Monaco ~72: BASS, Luc;NAIS, Mathilde;STOREY, Piers Christian~ 33:EP
~31:21020568.8 ~32:16/11/2021

2024/03709 ~ Complete ~54:VALVE ASSEMBLY FOR A FILLING MACHINE WITH A FILLING LEVEL
REGULATION PROBE AND A FILLING MACHINE PROVIDED WITH SUCH VALVE ~71:MBF S.P.A., Via Nuova
Padovana, 3A, Italy ~72: ALBERTINI, Paolo;BOSCARO, Giuliano~ 33:IT ~31:102023000009726
~32:15/05/2023

2024/03717 ~ Complete ~54:A VIRTUAL SIMULATION COMPUTER EXPERIMENT TEACHING PLATFORM
~71:GUANGXI TECHNOLOGICAL COLLEGE OF MACHINERY AND ELECTRICITY, 101 Daxue East Road,
Nanning City, Guangxi Province, People's Republic of China ~72: Liu Minjie~

2024/03727 ~ Complete ~54:PHARMACEUTICAL FORMULATION COMPRISING ANTI-OX40 MONOCLONAL
ANTIBODY ~71:Inmagene Pte. Ltd., 20 Emerald Hill Road, 229302, SINGAPORE, Singapore ~72: FAN,
Pengcheng;JIN, Xionghua;SUN, Qiang;XU, Zhihao~ 33:CN ~31:PCT/CN2021/124200 ~32:15/10/2021;33:CN
~31:PCT/CN2022/118065 ~32:09/09/2022

2024/03715 ~ Complete ~54:AN EMERGENCY LEAK PROOF VALVE ~71:Wenzhou Polytechnic, University
Town, Chashan and Jiangjiaqiao 81, Wenzhou, Zhejiang, People's Republic of China ~72: PAN Shuwei~

2024/03713 ~ Complete ~54:AN INTELLIGENT MONITORING DEVICE FOR PUBLIC CULTURAL VENUES
~71:Hunan University, Lushan Gate, Lushan South Road, Yuelu District, Changsha City, Hunan Province,
410082, People's Republic of China ~72: Jian Liang~

2024/03724 ~ Complete ~54:METHODS FOR BIOFILM DISRUPTION ~71:NEOLIXIR LIMITED, 22 STIRLING
HIGHWAY, NEDLANDS, WESTERN AUSTRALIA 6009, AUSTRALIA, Australia ~72: BARKER,
Andrew;DITCHAM, Will;EVERARD, Mark;FLEMATTI, Gavin;FONCECA, Angela~ 33:AU ~31:2021903639
~32:12/11/2021

2024/03710 ~ Complete ~54:RANDOM ACCESS IN COMMUNICATION SYSTEM ~71:NOKIA TECHNOLOGIES
OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: TURTINEN, Samuli;WU, Chunli~

2024/03763 ~ Provisional ~54:SURFING'S QUICK RELEASE CLIP FOR LEG-ROPE ~71:JOHN DANIEL
VENTER, 66 CLUVER CRESCENT BLUFF, South Africa ~72: JOHN DANIEL VENTER~

2024/03764 ~ Provisional ~54:CATERS ~71:MAKGWETHE EDWIN KGAPHOLA, 05 THIMOKGO STR,
SAULSVILLE, South Africa ~72: MAKGWETHE EDWIN KGAPHOLA~

2024/03711 ~ Complete ~54:VALVE ASSEMBLY FOR A FILLING MACHINE AND A FILLING MACHINE
PROVIDED WITH SUCH VALVE ~71:MBF S.P.A., Via Nuova Padovana, 3A, Italy ~72: ALBERTINI,
Paolo;BOSCARO, Giuliano~ 33:IT ~31:102023000009732 ~32:15/05/2023

2024/03720 ~ Complete ~54:APPARATUS AND PROCESS TO CONTROL PROVIDING PURIFIED WATER
FOR HYDROGEN PRODUCTION ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd.,
Allentown, Pennsylvania, 18106-5500, United States of America ~72: FIONA VICTORIA LESLIE;GRAEME
RICHARD WILSON;MATTHEW WILLIAM AKHURST;TIMOTHY EDWARD CONWAY~ 33:US ~31:18/198,868
~32:18/05/2023

2024/03765 ~ Provisional ~54:THE WHEELER ~71:NJABULO MOKOENA, 2511 BLOCK M EXT,
SOSHANGUVE, GAUTENG, South Africa ~72: NJABULO MOKOENA~

2024/03707 ~ Provisional ~54:GROUNDING DEVICE ~71:TIMM, Troy Lance, 44 Goodman Street, Rynfield,
South Africa ~72: TIMM, Troy Lance~

2024/03722 ~ Complete ~54:B7-H4 ANTIBODIES AND ANTI-B7-H4 ANTIBODY/IL-15 FUSION PROTEINS
~71:KADMON CORPORATION, LLC, 55 Corporate Drive, Bridgewater, United States of America ~72: CHANG,
Tsu-Pei;LU, Dan;MIYARA, Faical;PATEL, Jeegar P.;POLONSKAYA, Zhanna~ 33:US ~31:63/284,937
~32:01/12/2021

2024/03725 ~ Complete ~54:CONTINUOUS FLOW CYCLIC-OPERATING WASTEWATER TREATMENT PLANT AND PROCESS FOR GROWING, SELECTING AND MAINTAINING AEROBIC GRANULAR SLUDGE WHILE TREATING WASTEWATER ~71:WATERLEAU GROUP NV, Nieuwstraat 26, Belgium ~72: Hannah STES;Ronny GERARDS;Stijn WYFFELS~ 33:BE ~31:BE2021/5923 ~32:26/11/2021

2024/03729 ~ Complete ~54:BISPECIFIC ANTIBODY-CAMPTOTHECIN DRUG CONJUGATE AND PHARMACEUTICAL USE THEREOF ~71:SysImmune, Inc., 15318 NE 95th St., REDMOND 98052, WA, USA, United States of America ~72: LI, Gangrui;WAN, Weili;YU, Tianzi;ZHANG, Yiyong;ZHANG, Yong;ZHU, Guili;ZHU, Yi;ZHUO, Shi~ 33:CN ~31:202111351599.X ~32:15/11/2021

2024/03721 ~ Complete ~54:APPARATUS AND PROCESS TO CONTROL PROVIDING PURIFIED WATER FOR HYDROGEN PRODUCTION ~71:AIR PRODUCTS AND CHEMICALS, INC., 1940 Air Products Blvd., Allentown, Pennsylvania, 18106-5500, United States of America ~72: FIONA VICTORIA LESLIE;GRAEME RICHARD WILSON;MATTHEW WILLIAM AKHURST;TIMOTHY EDWARD CONWAY~ 33:US ~31:18/198,872 ~32:18/05/2023

2024/03708 ~ Complete ~54:DISPLAY DEVICE FOR MANAGEMENT TEACHING ~71:Shantou Polytechnic, Shantou Polytechnic, Haojiang District, Shantou City, Guangdong Province, People's Republic of China ~72: HE Guanwei~

2024/03726 ~ Complete ~54:METHOD FOR MANAGING COATING GLOSS ON A COIL-COATING LINE ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg ~72: Charles HANQUET;Eric SILBERBERG;Fabrice FARINA;Jacky MALLEGOL;Thomas DEFIZE~ 33:IB ~31:PCT/IB2021/061770 ~32:15/12/2021

2024/03730 ~ Complete ~54:BEAM OR POST FOR A CONSTRUCTION SYSTEM ~71:UHCS Property SA, Champ-au-Rey 11, RUE 1673 , SWITZERLAND, Switzerland ~72: HOFFMANN, André;USTINOV, Igor~ 33:CH ~31:070419/2021 ~32:20/10/2021

2024/03767 ~ Provisional ~54:MI EISH ~71:TSHEPHISO LETSEDI IKE MAKALENG, 314, 13TH AVENUE, RIETFONTEIN, South Africa ~72: TSHEPHISO LETSEDI IKE MAKALENG ~

2024/03718 ~ Complete ~54:METHOD FOR IMPROVING SOIL ACIDITY BY ACCURATELY APPLYING LIME SUBSTANCES ~71:Jinggangshan Institute of Red Soil (Jianggangshan Branch of Jiangxi Academy of Agricultural Sciences), Jinggangshan Agricultural Science and Technology Park, No. 61, Xingqiao Town, Jizhou District, Ji'an City, Jiangxi Province, People's Republic of China;Soil and Fertilizer & Resources and Environment Institute, Jiangxi Academy of Agricultural Sciences, No. 602, Nanlian Road, Qingyunpu District, Nanchang City, Jiangxi Province, People's Republic of China ~72: Chen Jin;Chen Xianmao;Guan Xianjiao;He Xiaolin;Hu Juan;Huang Shan;Li Xiuxiu;Liang Xihuan;Liu Lei;Peng Chunrui;Qiu Caifei;Wang Ping;Yao Shuihong~ 33:CN ~31:2023107344606 ~32:20/06/2023

2024/03712 ~ Complete ~54:BULLETPROOF PILLOW ~71:IMPORT KALEIDOSCOPE CC, 14 Avocet Corner, Hazeldean Office Park, South Africa ~72: NAUDÉ, Hendrik Petrus;VAN SCHALKWYK, Marius Wilken~ 33:ZA ~31:2023/05667 ~32:26/05/2023

2024/03716 ~ Complete ~54:A PRE FILTRATION VALVE ~71:Wenzhou Polytechnic, University Town, Chashan and Jiangjiaqiao 81, Wenzhou, Zhejiang, People's Republic of China ~72: PAN Shuwei~

2024/03732 ~ Complete ~54:WATER INSOLUBLE, HIGH MELTING POINT SACCHARIDE FATTY ACID ESTERS (SFAE) ~71:CHEMSTONE, INC., 6099 Ponders Ct., Greenville, South Carolina, 29615, United States of

America ~72: JONATHAN SPENDER;MICHAEL ALBERT BILODEAU;SAMUEL MIKAIL~ 33:US ~31:63/264,321
~32:19/11/2021

2024/03723 ~ Complete ~54:MOBILE ORBITAL LAUNCHER ~71:AGNIKUL COSMOS PRIVATE LIMITED, 910,
Syndicate Bank Colony, Anna Nagar West Extension, India ~72: -, Syed Peer Mohamed Shah
Khadri;RAVICHANDRAN, Srinath~ 33:IN ~31:202141046990 ~32:14/10/2021

- APPLIED ON 2024/05/15 -

2024/03749 ~ Complete ~54:SELECTIVELY LEACHED THERMALLY STABLE CUTTING ELEMENT IN EARTH-
BORING TOOLS, EARTH-BORING TOOLS HAVING SELECTIVELY LEACHED CUTTING ELEMENTS, AND
RELATED METHODS ~71:Baker Hughes Oilfield Operations LLC, 17021 Aldine Westfield Road, HOUSTON
77073, TX, USA, United States of America ~72: BIRD, Marc;LYONS, Nicholas J.;ROBERTSON, Andrew~ 33:US
~31:17/510,193 ~32:25/10/2021

2024/03753 ~ Complete ~54:FUNGICIDAL COMPOSITIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse
67, BASEL 4058, SWITZERLAND, Switzerland ~72: BLUM, Mathias;EDMUNDS, Andrew~ 33:EP
~31:21212093.5 ~32:02/12/2021

2024/03741 ~ Complete ~54:A COMPUTER SECURITY CONTROLLER BASED ON BIG DATA ~71:Xinyu
University, No. 2666, Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic
of China ~72: Jiang Chunlin;Wu Guangsheng;Wu Shilan;Xiong Jianqiang~

2024/03820 ~ Provisional ~54:SOLAR THEFT PRO ~71:Tyron Kotze, 9 Anchusa Close, 63 Edom complex, South
Africa ~72: Tyron Kotze~

2024/03760 ~ Complete ~54:FUEL CELL SYSTEM ~71:AVL LIST GMBH, Hans-List-Platz 1, Austria ~72:
NEUBAUER, Raphael~ 33:AT ~31:A 50911/2021 ~32:15/11/2021

2024/03743 ~ Complete ~54:A COMPUTER SOFTWARE ENGINEERING TEST CONTENT DISPLAY DEVICE
~71:Xinyu University, No. 2666, Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004,
People's Republic of China ~72: Zhong Fulian~

2024/03762 ~ Complete ~54:APPARATUS AND METHOD OF TREATING THE INTERNAL SURFACES OF A
TIMBER BARREL WITH AN ABRASIVE ~71:BARREL REJUVENATION SERVICES PTY LTD, 59 Grants Gully
Road, Chandlers Hill, Australia ~72: BLAKEMAN, Jonathan Lindsay;MCDONALD, Ronald John;WALKER,
Kimberley John Buist~ 33:AU ~31:2021903510 ~32:03/11/2021

2024/03766 ~ Provisional ~54:WASTE TO ENERGY POWER PLANT ~71:KELETSO LEKONE, , South
Africa;KOKETSO GAOWELWE, , South Africa;NALEDI LEBEKO, , South Africa;ORATILWE MORAKA, , South
Africa;THUTO MOTEKE, 455 PULE STREET, KAGISO, South Africa;TSHIAMO MATHEBULA, , South Africa
~72: KELETSO LEKONE;KOKETSO GAOWELWE;NALEDI LEBEKO;ORATILWE MORAKA;THUTO
MOTEKE;TSHIAMO MATHEBULA~

2024/03750 ~ Complete ~54:CHROMANE AMIDINE MONOBACTAM ANTIBIOTICS ~71:Merck Sharp & Dohme
LLC, 126 East Lincoln Avenue, RAHWAY 07065, NJ, USA, United States of America ~72: CHEN, Helen
Y.;DONG, Shuzhi;HU, Zhiyong;SU, Jing;YU, Tao;ZHANG, Yong~ 33:US ~31:63/280,728 ~32:18/11/2021;33:US
~31:63/327,385 ~32:05/04/2022

2024/03748 ~ Complete ~54:COMPOSITIONS AND METHODS FOR PURIFYING POLYRIBONUCLEOTIDES
~71:Flagship Pioneering Innovations VI, LLC, 55 Cambridge Parkway, 8th Floor, CAMBRIDGE 02142, MA, USA,
United States of America ~72: DUDKIN, Vadim;PAEK, Ki Young~ 33:US ~31:63/256,703 ~32:18/10/2021

2024/03754 ~ Complete ~54:PROTEASE-CLEAVABLE MASKED ANTIBODIES ~71:DAIICHI SANKYO COMPANY, LIMITED, 3-5-1, Nihonbashi Honcho, Chuo-ku, Tokyo, 1038426, Japan ~72: KAZUNORI SAEKI;MIKIHIRO ISHIZUKA;REIKO KAMEI;SHOTA KUDO;TOMOKO TERAUCHI~ 33:JP ~31:2021-194701 ~32:30/11/2021

2024/03742 ~ Complete ~54:INTELLIGENT RECOGNITION METHOD FOR ROCK FORMATION BASED ON VIBRATION SIGNALS WHILE DRILLING UNDER STRONG NOISE ~71:Chongqing Gaowei Zhikuang Technology Co., Ltd, No. 232-5-1, Songlin Village, Shapingba District, Chongqing City, People's Republic of China;Coal Geological Exploration Institute Of Gansu/Gansu mei tan di zhi kan cha yuan, No. 257, Paihong Road, Chengguan District, Lanzhou City, Gansu Province, 730000, People's Republic of China ~72: Gui Zhen;Li Guangjun;Liu Lei;Pu Yuanyuan;Zhang Bailu;Zhong Nailiang~

2024/03744 ~ Complete ~54:APPARATUS AND METHOD FOR PRESERVING BEVERAGES WITH SYSTEM MONITORING ~71:LANXESS DEUTSCHLAND GMBH, Kennedyplatz 1, Germany ~72: BURGHOLZ, Jonas;KUBATZ, Axel;SARTORIUS, Gerhard;VOGL, Erasmus~ 33:EP ~31:21 208 425.5 ~32:16/11/2021

2024/03752 ~ Complete ~54:B CELL ACTIVATING FACTOR (BAFF)-A PROLIFERATION INDUCING LIGAND (APRIL) DUAL INHIBITORS ~71:Aurinia Pharmaceuticals Inc., 1203 – 4464 Markham Street, VICTORIA V8Z 7X8, BRITISH COLUMBIA, CANADA, Canada ~72: CROSS, Jennifer;HUIZINGA, Robert B.;LARRICK, James William;PARMLEY, Stephen;YU, Bo~ 33:US ~31:63/280,556 ~32:17/11/2021;33:US ~31:63/339,334 ~32:06/05/2022;33:US ~31:63/350,392 ~32:08/06/2022

2024/03739 ~ Complete ~54:BITSTREAM REPRESENTING AUDIO IN AN ENVIRONMENT ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:21204639.5 ~32:26/10/2021

2024/03826 ~ Complete ~54:BITSTREAM REPRESENTING AUDIO IN AN ENVIRONMENT ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:21204639.5 ~32:26/10/2021

2024/03734 ~ Complete ~54:DISPLAY STRIP FOR SHELF END USE ~71:LEE, William, Henry, 29 THE CLARIDGES, SUSAN AVENUE, MORNING SIDE EXT 15, SANDTON, SOUTH AFRICA, South Africa ~72: LEE, William, Henry~ 33:ZA ~31:2023/07623 ~32:02/08/2023

2024/03751 ~ Complete ~54:DIRECT LOADING OF GLASS GOBS INTO TRAVERSABLE BLANK MOLDS ~71:Owens-Brockway Glass Container Inc., One Michael Owens Way, PERRYSBURG 43551, OH, USA, United States of America ~72: ALTENDORFER, Bernhard;HOLMES-LIBBIS, John;MOHR, Paul~ 33:US ~31:63/276,210 ~32:05/11/2021

2024/03747 ~ Complete ~54:COMPOUNDS AND THEIR USES AS GPR183 INHIBITORS ~71:NANJING IMMUNOPHAGE BIOTECH CO., LTD., Room 1502-1, Building A, Phase 1, Zhongdan Ecological Life Science Industrial Park, People's Republic of China ~72: FAN, Guohuang;WANG, Jianfei;XI, Jianbei~ 33:CN ~31:PCT/CN2021/124341 ~32:18/10/2021;33:CN ~31:PCT/CN2022/114934 ~32:25/08/2022

2024/03757 ~ Complete ~54:LYSINE ACETYLTRANSFERASE 6A (KAT6A) INHIBITORS AND USES THEREOF ~71:INSILICO MEDICINE IP LIMITED, 26th Floor, Three Exchange Square, 8 Connaught Place, Central Hong Kong, People's Republic of China ~72: FENG REN;LUOHENG QIN;XIN CHENG~ 33:CN ~31:PCT/CN2021/130956 ~32:16/11/2021;33:CN ~31:PCT/CN2022/079709 ~32:08/03/2022;33:CN ~31:PCT/CN2022/126722 ~32:21/10/2022

2024/03736 ~ Complete ~54:MACHINING POSITIONING DEVICE ~71:BaiCheng Normal University, NO.57 Zhongxing West Road, Taobei District, Baicheng City, Jilin Province, 137000, People's Republic of China ~72: CUI Changqing;DONG Xingang;HUANG Xinrui;LI Guobin;YANG Chunyan;YANG Luying;YI Bingqian~

2024/03759 ~ Complete ~54:MAIZE EVENT DP-910521-2 AND METHODS FOR DETECTION THEREOF ~71:PIONEER HI-BRED INTERNATIONAL, INC., 7100 N.W. 62nd Avenue, P.O. Box 1014, Johnston, Iowa, 50131-1014, United States of America ~72: ALBERT L LU;BIN CONG;JASDEEP S MUTTI;JIAMING YIN;KRISTEN DENISE RINEHART KREBS;M. ALEJANDRA PASCUAL;MARIA MAGDALENA VAN DYK;VIRGINIA CRANE~ 33:US ~31:63/264,098 ~32:16/11/2021;33:US ~31:63/266,435 ~32:05/01/2022

2024/03738 ~ Complete ~54:POSTPARTUM PELVIC FLOOR MUSCLE RECOVERY TRAINING DEVICE ~71:Changzhou Maternal and Child Health Care Hospital, 16 Dingxiang Road, Changzhou, Jiangsu, People's Republic of China ~72: Na QIN;Xiao WANG;Xuexia YU~

2024/03745 ~ Complete ~54:GAS INJECTION METHOD AND SYSTEM FOR DEEP STRONG BOTTOM WATER SANDSTONE RESERVOIR ~71:CHINA PETROLEUM & CHEMICAL CORPORATION, No. 22 Chaoyangmen North Street, Chaoyang District, People's Republic of China;SINOPEC EXPLORATION & PRODUCTION RESEARCH INSTITUTE, No. 31 Xueyuan Road, Haidian District, People's Republic of China ~72: CUI, Maolei;HE, Yingfu;LIAO, Haiying;NIE, Jun;XU, Ting;YANG, Yang~ 33:CN ~31:202111448648.1 ~32:30/11/2021

2024/03756 ~ Complete ~54:SELF-CLEANING DEVICE FOR APPLYING MATERIAL BETWEEN THE GROUT LINES OF TILES ON VERTICAL SURFACES ~71:MIRCO VERRANDO, Fraz. Bevera, Via Maneira, 23 I-18039, Ventimiglia (IM), Italy ~72: MIRCO VERRANDO~ 33:IT ~31:102021000029561 ~32:23/11/2021

2024/03827 ~ Complete ~54:BITSTREAM REPRESENTING AUDIO IN AN ENVIRONMENT ~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands ~72: KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:21204639.5 ~32:26/10/2021

2024/03761 ~ Complete ~54:MEDICINAL COMPOSITION COMPRISING RIBOSE AND AMINO ACIDS ~71:MEE-HU PHARMA GMBH, Roseggerstrasse 58, Austria ~72: SCHMIED, Arnold~ 33:DE ~31:10 2021 133 895.6 ~32:20/12/2021

2024/03740 ~ Complete ~54:AMORPHOUS SOLID SUCCINYLATED 3-(FATTY ACID AMIDO)-2-HYDROXY-1-(PROTECTED HYDROXY)-PROPANE SALTS AND METHODS OF MAKING THE SAME ~71:GERON CORPORATION, 919 E. Hillside Blvd. Suite 250, Foster City, California, 94404, United States of America ~72: JENNIFER E ALBANEZE-WALKER~ 33:US ~31:62/926,778 ~32:28/10/2019

2024/03737 ~ Complete ~54:FORMULA FOR TREATING TUMORS ~71:Songbai Zhong, No.3 Xiawu Formation, Buqian Village, Luo 'ao Town, Yudu County, Ganzhou City, Jiangxi Province, People's Republic of China ~72: Songbai Zhong~ 33:CN ~31:2023113245152 ~32:13/10/2023

2024/03746 ~ Complete ~54:METHODS FOR TREATING PRURIGO NODULARIS BY ADMINISTERING AN IL-4R ANTAGONIST ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America;SANOFI BIOTECHNOLOGY, 82 avenue Raspail, 94250 Gentilly, France ~72: BANSAL, Ashish;LAWS, Elizabeth;O'MALLEY, John;PATEL, Naimish;STAUDINGER, Heribert~ 33:US ~31:63/257,876 ~32:20/10/2021;33:US ~31:63/300,492 ~32:18/01/2022;33:EP ~31:22315048.3 ~32:04/03/2022

2024/03755 ~ Complete ~54:PHARMACEUTICAL COMPOSITION OF GLP-1 RECEPTOR AND GIP RECEPTOR DUAL AGONIST, AND USE THEREOF ~71:FUJIAN SHENGDI PHARMACEUTICAL CO., LTD., No.308 Wengjiao Road, Haicang District, Xiamen, Fujian, 361026, People's Republic of China;JIANGSU HENGRUI PHARMACEUTICALS CO., LTD., No.7 Kunlunshan Road, Economic and Technological Development

Zone, Lianyungang, Jiangsu, 222047, People's Republic of China ~72: JING CHEN;KAI LIU;XUETENG CAO;ZHENBIN LI~ 33:CN ~31:202111341752.0 ~32:12/11/2021

2024/03735 ~ Complete ~54:MULTI-FUNCTIONAL U-SHAPED ANTI-DECUBITUS AIR CUSHION ~71:Li Huanting, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014040, People's Republic of China;Li Shuang, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014040, People's Republic of China;Li Xingran, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014040, People's Republic of China;Zhang Xiaojuan, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014040, People's Republic of China;Zhao Niping, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014040, People's Republic of China;Zheng Kaiwen, No.31 Jianshe Road, Donghe District, Inner Mongolia Autonomous Region, 014404, People's Republic of China ~72: Li Huanting;Li Shuang;Li Xingran;Zhang Xiaojuan;Zhao Niping;Zheng Kaiwen~

2024/03758 ~ Complete ~54:METHOD AND COMPOSITION FOR SUPPORTING NORMAL BLOOD CALCIUM CONCENTRATIONS IN MAMMALS ~71:CONTRACT MANUFACTURING SERVICES, LLC, 1111 West Industrial Road, Elmwood, Wisconsin, 54740, United States of America ~72: BRIAN THOMAS HUNDT;JESSE PAUL GOFF;TUCKER JAMES SILBERHORN~ 33:US ~31:63/308,838 ~32:10/02/2022;33:US ~31:17/722,789 ~32:18/04/2022

- APPLIED ON 2024/05/16 -

2024/03793 ~ Complete ~54:A METHOD FOR PREDICTING THE HEIGHT OF A HYDRAULIC FRACTURE ZONE ~71:Beijing Window Technology Co., Ltd., 1208, 12th Floor, Building 1, No. 59, Zhongshan Street, Tongzhou District, Beijing, People's Republic of China;Huating Coal Group Co.,Ltd., No. 3, Huangfu Road, Shangting Community, Xihua Town, Huating City, Gansu Province, People's Republic of China;North China Institute of Science and Technology, 467 Xueyuan Street, Yanjiao Town, Sanhe City, Hebei Province, People's Republic of China ~72: Guo Jingzhong;Hao Jun;Huang Yuanjian;Li Xuandong;Li Xuejun;Li Yongjun;Liu Yude;Niu Shiquan;Shangguan Kefeng;Song Zhihong;Wang Jianli;Wang Qianghua;Yan Lin;Yang Yuanzhong;Zhao Xudong~

2024/03812 ~ Complete ~54:COMPOUNDS ~71:ZEALAND PHARMA A/S, Sydmarken 11, DK-2860, Søborg, Denmark ~72: STEFAN SCHUNK~ 33:EP ~31:21216012.1 ~32:20/12/2021;33:EP ~31:22201323.7 ~32:13/10/2022;33:TW ~31:111148705 ~32:19/12/2022

2024/03784 ~ Complete ~54:AUXILIARY TRAINING DEVICE FOR PELVIC FLOOR MUSCLE RECOVERY AND USE METHOD THEREOF ~71:Taizhou Municipal Hospital, No.581 Shifu Avenue (East), Jiaojiang District, Taizhou City, Zhejiang Province, 318000, People's Republic of China ~72: Changjun Zheng;Yan Xu;Yanfei Tao;Zhihong Chai~

2024/03789 ~ Complete ~54:HEALTH DATA MANAGEMENT SYSTEM BASED ON ERP ~71:GUIZHOU YOUPIN SLEEP HEALTH INDUSTRY CO., LTD, 4 / F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIU, Enping;LIU, Sujun;LIU, Yidi;TAN, Ping;WANG, Shengxiang~

2024/03805 ~ Complete ~54:DISPLAY CONTROL FOR AEROSOL-GENERATING DEVICE AND SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AL-AMIN, Mohammed;WOODCOCK, Dominic~ 33:GB ~31:2117069.1 ~32:26/11/2021

2024/03799 ~ Complete ~54:MEANS AND METHODS TO REDUCE APICIDIN CONCENTRATION IN A COMPOSITION ~71:DSM Austria GmbH, Erber Campus 1, GETZERSDORF BEI 3131, TRAISMAUER, AUSTRIA, Austria ~72: KRAINER, Florian;LABUDOVA, Silvia;NOVAK, Barbara;RAINER, Valentina;SCHATZMAYR, Dian~ 33:EP ~31:21211878.0 ~32:02/12/2021

2024/03814 ~ Complete ~54:MICROBIAL COMPOSITIONS AND METHODS FOR INCREASING HYDROGEN EMISSIONS ~71:RAISON, LLP, 908 South Fawn Court Sioux Falls, South Dakota 57110, United States of America ~72: TONY HAGEN~ 33:US ~31:63/257,520 ~32:19/10/2021

2024/03817 ~ Complete ~54:BREATH-POWERED NASAL DEVICES FOR TREATMENT OF TRAUMATIC BRAIN INJURY (TBI), INCLUDING CONCUSSION, AND METHODS AND METHODS ~71:ORAGENICS, INC., 1990 Main Street, Suite 750, United States of America ~72: COCHRAN, Travis;LEWANDOWSKI, Michael;LUCAS, Jonathan;STOWELL, Kelly M.;VANLANDINGHAM, Jacob~ 33:US ~31:63/257,117 ~32:19/10/2021

2024/03774 ~ Complete ~54:A SPEECH DATA PRIVACY PROTECTION METHOD BASED ON MULTIPLE ATTENTION MECHANISM ADVERSARIAL SAMPLES ~71:Shuangxi Chen, No.547, Tongxiang Avenue, Nanhu district, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Fangchao Ma;Huijun Zhu;Shuangxi Chen~

2024/03781 ~ Complete ~54:VEGETABLE PROCESSING DEVICE CONVENIENT FOR VEGETABLE DEHYDRATION ~71:Hunan University of Humanities, Science and Technology, No.487 Dixing Road, Louxing District, Loudi City, Hunan Province, People's Republic of China ~72: JIANG Yanfang;LIU Zefa~ 33:CN ~31:202410451319X ~32:15/04/2024

2024/03792 ~ Complete ~54:A KIND OF FIXER FOR LIVESTOCK AND VETERINARY LIVESTOCK INFUSION ~71:Zhangye Xinshanhu Agriculture and Animal Husbandry Development Co., Ltd., No. 2 Commune, Pingshanhu Village, Pingshanhu Township, Ganzhou District, Zhangye City, Gansu Province, 734000, People's Republic of China ~72: Liu Yanfu;Shan Huajia;Wei Yubing~

2024/03797 ~ Complete ~54:METHOD FOR OPTIMIZING VIRUS MEMBRANE FUSION INHIBITOR, BROAD-SPECTRUM ANTI-CORONAVIRUS LIPOPEPTIDE AND USE THEREOF ~71:Youcare Pharmaceutical Group Co., Ltd., No.6, Hongda Middle Road, Beijing Economic and Technological Development Zone, BEIJING 100176, CHINA (P.R.C.), People's Republic of China ~72: CHONG, Huihui;HE, Yuxian;LIU, Nian;ZHU, Yuanmei~ 33:CN ~31:202210156260.2 ~32:21/02/2022

2024/03815 ~ Complete ~54:MICROBIAL COMPOSITIONS AND METHODS FOR REDUCING METHANE EMISSIONS ~71:RAISON, LLP, 908 South Fawn Court Sioux Falls, South Dakota 57110, United States of America ~72: TONY HAGEN~ 33:US ~31:63/257,533 ~32:19/10/2021

2024/03778 ~ Complete ~54:A METHOD FOR IDENTIFYING MALICIOUS SPAM COMMENT ATTACKS BASED ON NATURAL LANGUAGE PROCESSING ~71:Shuangxi Chen, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Hui Liu;Jing Wu;Shuangxi Chen~

2024/03786 ~ Complete ~54:SURFACE TREATMENT PROCESS FOR SEAMLESS STEEL PIPES ~71:ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD., Daqiao village, Miaogao Street, People's Republic of China ~72: DENG, Zhijian;LEI, Zhishen;ZHANG, Guangjin;ZHANG, Ting~

2024/03804 ~ Complete ~54:HERBICIDAL PYRIDONE DERIVATIVES ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: MARTIN, Christopher James;MORRIS, James Alan;MUNNS, Gordon Richard;WHALLEY, Louisa~ 33:EP ~31:21215564.2 ~32:17/12/2021

2024/03808 ~ Complete ~54:TELESCOPIC BOOM LIFT ~71:MAGNI REAL ESTATE S.R.L., Via Vespucci, 2, 41013, Castelfranco Emilia, Italy ~72: RICCARDO MAGNI~ 33:IT ~31:102021000026735 ~32:19/10/2021

2024/03768 ~ Provisional ~54:INNOVATIVE PLASTIC BEVERAGE BOTTLE NECK AND CAP DESIGN
~71:Martin Hempel, 138 Villiers Road, Walmer, South Africa ~72: Martin Johan Hempel~

2024/03769 ~ Complete ~54:OPTIMIZED IMPROVEMENT METHOD FOR GEOMETRIC LINE SHAPE OF
SUBWAY BUSINESS LINE ~71:China Tiesiju Civil Engineering Group Co., Ltd., No. 96, Wangjiang East Road,
Baohu District, Hefei, Anhui, 230022, People's Republic of China ~72: CHEN, Jieliang;CHEN, Zhiyuan;HONG,
Yucheng;LI, Yangyang;LIU GEN;LU SHEN;SUN AO;TIAN, Huibin;WANG WEI;ZHANG, Boyu~ 33:CN
~31:2023112805706 ~32:07/10/2023

2024/03773 ~ Complete ~54:ENVIRONMENT-FRIENDLY COLORED SHOE MATERIAL PARTICLES AND
MANUFACTURING METHOD THEREFOR, AND ENVIRONMENT-FRIENDLY COLORED SOLE AND
MANUFACTURING METHOD THEREFOR ~71:XIONG, Guangping, Room 1211, Building 1, No. 231 Zhongxing
Road, Yangdai Village, Chendai Town, Jinjiang City, Quanzhou City, Fujian Province, 362200, People's Republic
of China ~72: XIONG, Guangping~

2024/03779 ~ Complete ~54:A PROCESSING METHOD FOR MEDICAL DEVICE MARKETING DATA
~71:Henan Kangduo Pharmaceutical Technology Co., Ltd, Room 906, 9th Floor, Building 1, Intersection of Ninth
Street and Jingnan Fourth Road, Zhengzhou Economic and Technological Development Zone, Zhengzhou,
People's Republic of China ~72: Ouyang Yongmei;Wu Zhanrong;Zhong Haibin~

2024/03782 ~ Complete ~54:ADJUSTABLE DYNAMIC BATH TUB ~71:CHANGZHOU INSTITUTE OF
TECHNOLOGY, No. 666 Liaohu Road, Xinbei District, Changzhou City, Jiangsu Province, People's Republic of
China ~72: TIAN Wentong~

2024/03787 ~ Complete ~54:STEEL PIPE OUT-OF-ROUNDNESS MEASUREMENT DEVICE AND METHOD
~71:ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD., Daqiao village, Miaogao Street, People's
Republic of China ~72: DENG, Zhijian;FANG, Dewei;HE, Yan;ZHANG, Guangjin~

2024/03796 ~ Complete ~54:A PULSED LASER IN SITU IMPACT AUXILIARY LASER CLADDING DEVICE AND
THE APPLICATION METHOD THEREOF ~71:China University of Mining and Technology, HAIFENG YANG No.
1, Daxue Street, Xuzhou City, Jiangsu Province, 221116, People's Republic of China ~72: Congcong Zhu;Haifeng
Yang;Hao Liu;Jingbin Hao;Mingtian Shi;Xinhua Liu~ 33:CN ~31:202210183771.3 ~32:28/02/2022

2024/03802 ~ Complete ~54:PESTICIDAL COMPOSITIONS ~71:Syngenta Crop Protection AG, Rosentalstrasse
67, BASEL 4058, SWITZERLAND, Switzerland ~72: FALLUTO, Francesca Jain;HALLAM-BARNES, Gemma~
33:EP ~31:21210434.3 ~32:25/11/2021

2024/03806 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING BIOPHARMACEUTICAL
DRUG COMPOUNDS ~71:OREXO AB, P.O. Box 303, 751 05, Sweden ~72: RÖNN, Robert;SÄVMARKER,
Jonas~ 33:GB ~31:2117005.5 ~32:25/11/2021;33:GB ~31:2208144.2 ~32:01/06/2022;33:GB ~31:2213306.0
~32:12/09/2022

2024/03813 ~ Complete ~54:A METHOD OF LINING A BOREHOLE, A SYSTEM AND COMPONENTS OF
SAME ~71:MINOVA INTERNATIONAL LIMITED, Unit 5C, Ashroyd Business Park Barnsley South Yorkshire S74
9SB, United Kingdom ~72: ADAM JANICEK;LARS ORZECZOWSKI~ 33:AU ~31:2021903819 ~32:26/11/2021

2024/03816 ~ Complete ~54:CAPTURING CARBON DIOXIDE ~71:CARBON ENGINEERING ULC, 37322
Galbraith Road, Canada ~72: BASTIDAS, Teresa Juliet Pena;OLMSTEAD, Douglas Edward;O'BRIEN, Megan
Lynn;REPASKY, John Michael;WILKE, Todd Ernest~ 33:US ~31:63/286,903 ~32:07/12/2021

2024/03785 ~ Complete ~54:A GUIDE HANDCART AND GUIDE METHODS ~71:Hunan Agricultural University, No.1 Nongda Road, Furong District, Changsha City, Hunan Province, 410125, People's Republic of China ~72: PENG, JUNWEI;SHEN, XIN;XIE, JUNJIE~ 33:CN ~31:202410294047.7 ~32:14/03/2024

2024/03790 ~ Complete ~54:HEALTH DATA MANAGEMENT METHOD ~71:GUIZHOU YOU PIN SLEEP HEALTH INDUSTRY CO., LTD, 4 / F, No. 17, Smart Industrial Park, Bijiang District, Tongren City, People's Republic of China ~72: LIU, Enping;LIU, Sujun;LIU, Yidi;TAN, Ping;WANG, Shengxiang~

2024/03772 ~ Complete ~54:OPTICAL FIBER-BASED CORROSION MONITORING METHOD AND DEVICE FOR CHILLED WATER PIPELINE UNDER THERMAL INSULATION LAYER ~71:CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., Second to fifth floor, BX Building, Plant front area, People's Republic of China;NUCLEAR POWER QINSHAN JOINT VENTURE CO., LTD., Nuclear Power New Village, Wuyuan Town, People's Republic of China ~72: FAN, Pengfei;HU, Minglei;SHANG, Xianhe;ZHANG, Wei~ 33:CN ~31:2023108843550 ~32:19/07/2023

2024/03794 ~ Complete ~54:A METHOD FOR UNDERGROUND COAL MINE WORKING FACE OVER ENTRAPMENT GANGUE ~71:Beijing Window Technology Co., Ltd., 1208, 12th Floor, Building 1, No. 59, Zhongshan Street, Tongzhou District, Beijing, People's Republic of China;Huating Coal Group Co.,Ltd., No. 3, Huangfu Road, Shangting Community, Xihua Town, Huating City, Gansu Province, People's Republic of China;North China Institute of Science and Technology, 467 Xueyuan Street, Yanjiao Town, Sanhe City, Hebei Province, People's Republic of China ~72: Chen Na;Deng Jing;Guo Jingzhong;Li Xuandong;Li Yongjun;Liu Ping;Liu Yude;Wang Zhen;Wanyan Xiaoliang;Xie Tiangui;Xue Qingyang;Xue Zaijun;Yang Yuanzhong~

2024/03800 ~ Complete ~54:DISPLAY CONTROL FOR AN AEROSOL-GENERATING DEVICE ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AL-AMIN, Mohammed;RUSHFORTH, David~ 33:GB ~31:2117070.9 ~32:26/11/2021

2024/03807 ~ Complete ~54:RECOMBINANT SACCHAROMYCES CEREVISIAE STRAINS FOR ENZYMATIC HYDROLYSIS OF BIOPLASTIC POLYMERS ~71:STELLENBOSCH UNIVERSITY, Admin B, Victoria Street, Stellenbosch, Western Cape, 7600, South Africa;UNIVERSITÀ DEGLI STUDI DI PADOVA, Via VIII Febbraio 1848, 2, 35122, Padova, Italy ~72: LORENZO FAVARO;MARINDA VILJOEN-BLOOM;MARTHINUS WESSEL MYBURGH;WILLEM HEBER VAN ZYL~ 33:GB ~31:2115470.3 ~32:27/10/2021

2024/03818 ~ Complete ~54:COMMUNICATION DEVICE AND METHOD THEREIN FOR FACILITATING IKE COMMUNICATIONS ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83, Sweden ~72: LIU, Daiying;MIGAULT, Daniel~

2024/03771 ~ Complete ~54:METHOD AND DEVICE FOR BLINDLY MEASURING INNER HOLE OF UNDERWATER VERTICAL DEEP HOLE CHANNEL OF HEAVY WATER REACTOR ~71:CNNP NUCLEAR POWER OPERATIONS MANAGEMENT CO., LTD., Second to fifth floor, BX Building, Plant front area, People's Republic of China;THIRD QINSHAN NUCLEAR POWER CO., LTD, Haiyan County, Zhejiang Province, People's Republic of China ~72: FAN, Shen;GAO, Jian;HE, Shaohua;LI, Qingshan;LI, Shisheng;LIU, Xiaonian;MENG, Zhiliang;QI, Hongchang;SHANG, Xianhe;SHEN, Jie;SONG, Chunli;WANG, Xuefang;WANG, Zhonghui;WU, Tianyuan;XU, Jun;ZHANG, Guoli;ZHANG, Qianbin;ZHANG, Wen;ZHAO, Xiaoling;ZOU, Zhengyu~ 33:CN ~31:202311029038.7 ~32:16/08/2023

2024/03777 ~ Complete ~54:AN INTELLIGENT DEDUCTIVE ANTI-CRAWLER DESIGN MODEL BASED ON MARKOV DECISION-MAKING PROCESS ~71:Shuangxi Chen, No.547, Tongxiang Avenue, Nanhu District, Jiaying City, Zhejiang Province, 314001, People's Republic of China ~72: Chunfang Gao;Huiming Yang;Shuangxi Chen;Xiaodong Wang~

2024/03791 ~ Complete ~54:CONCRETE ADDITIVE AND ITS PREPARATION METHOD AND APPLICATION ~71:YANTAI UNIVERSITY, No.30 Qingquan Road, Laishan District, Yantai City, People's Republic of China ~72: Baolong XU;Dezhong CAO;Haiyan SUN~

2024/03803 ~ Complete ~54:DISPLAY FOR AEROSOL-PROVISION DEVICE AND SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AL-AMIN, Mohammed;WOODCOCK, Dominic~ 33:GB ~31:2117068.3 ~32:26/11/2021

2024/03809 ~ Complete ~54:PRESSURISED ELECTROLYSER ~71:PAUL FRANCIS GEARY, 15A Great Northern Way, Netherfield, Nottingham, NG4 2HD, United Kingdom ~72: PAUL FRANCIS GEARY~ 33:GB ~31:2115054.5 ~32:20/10/2021

2024/03770 ~ Complete ~54:MONITORING DEVICE AND METHOD FOR SPECIALLY-SHAPED STRUCTURE IN UNDERGROUND SPACE ~71:CHINA RAILWAY SEVENTH GROUP CO., LTD., 1225 Hanghai East Road, Zhengzhou City, People's Republic of China;SHENZHEN UNIVERSITY, 3688 Nanhai Avenue, Yuehai Street, Nanshan District, People's Republic of China ~72: Aiguo YIN;Chengyu HONG;Dong SU;Erwei LI;Juanjuan SONG;Junkun TAN;Min ZHU;Xiangsheng CHEN~

2024/03776 ~ Complete ~54:A COMPUTER COLOR MATCHING METHOD BASED ON IMPROVED ELMAN NEURAL NETWORK ~71:Hui Liu, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Hui Liu;Qinfeng Lu;Shuangxi Chen~

2024/03788 ~ Complete ~54:PRESSURE TESTING DEVICE FOR STEEL PIPE PRODUCTION ~71:ZHEJIANG YONGSHANG SPECIALTY MATERIAL CO., LTD., Daqiao village, Miaogao Street, People's Republic of China ~72: DENG, Zhijian;FANG, Dewei;ZHANG, Jingjing;ZHANG, Kai~

2024/03798 ~ Complete ~54:MODULAR CANOPY ASSEMBLY FOR PICK-UP TRUCKS ~71:TopUp Truck Cover Co., Ltd., 6 Moo 11, Ladsawai, Lumlokka, PHATHUMTHANI 12150, THAILAND, Thailand ~72: HONGLAWAN, Chidchanok;RUTTANGUSAKUL, Peerakiat~

2024/03811 ~ Complete ~54:CHROMIUM PHOSPHINYL HYDROISOINDOLE AMIDINE COMPLEXES FOR TETRAMERIZATION OF ETHYLENE ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, P.O. Box 4910, The Woodlands, Texas 77387-4910, United States of America ~72: DANIEL H ESS;DOO-HYUN KWON;ORSON L SYDORA;STEVEN M BISCHOF;URIAH J KILGORE~ 33:US ~31:17/521,508 ~32:08/11/2021

2024/03775 ~ Complete ~54:A CLOUD DATA PROTECTION METHOD BASED ON DISTRIBUTED REDUNDANT BACKUP MECHANISM STORAGE ~71:Shuangxi Chen, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Hao Zhu;Shuangxi Chen;Xiaodong Wang~

2024/03780 ~ Complete ~54:A LEAF-CLAMPING INSECT CAGE FOR FIELD BIOLOGICAL DETERMINATION ~71:Liaoning Academy of Agricultural Sciences, No. 84, Dongling Road, Shenhe District, Shenyang City, Liaoning Province, People's Republic of China ~72: Xu Guo Qing;Xu Lei;Zhao Tong Hua;Zhong Tao~ 33:CN ~31:2023108503120 ~32:12/07/2023

2024/03783 ~ Complete ~54:PHOTOVOLTAIC MODULE RECOVERY APPARATUS ~71:Xinyu University, No. 2666 Sunshine Avenue, High tech Zone, Xinyu City, Jiangxi Province, 338004, People's Republic of China ~72: DONG, Cong;DUAN, Rui;HUANG, Jianhua;HUANG, Ping;LI, Jianmin;LUO, Yinqi;WANG, Fahui;XIONG, Ziyong~

2024/03795 ~ Complete ~54:AQUEOUS FORMULATIONS OF AN ANTI-CD22 ANTIBODY AND USES THEREOF ~71:SINOMAB BIOSCIENCE LIMITED, No. 15 Science Park West Ave., Units 303, 305-307, People's

Republic of China ~72: CHEUNG, Ka-wa, Benny;LEUNG, Shui-on;SIU, Kwan-yin;YAU, Ming-hon~ 33:US
~31:63/256,883 ~32:18/10/2021

2024/03801 ~ Complete ~54:SYSTEM FOR COLLECTING A GLASS SHEET, METHOD FOR SHAPING A
GLASS SHEET BY MEANS OF A COLLECTION SYSTEM OF THIS TYPE ~71:Saint-Gobain Glass France, Tour
Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: GOBIN, Jérôme;MACHURA,
Christophe;PROCUREUR, Patrick~ 33:FR ~31:2112934 ~32:03/12/2021

2024/03810 ~ Complete ~54:CHROMIUM BICYCLIC PHOSPHINYL AMIDINE COMPLEXES FOR
TETRAMERIZATION OF ETHYLENE ~71:CHEVRON PHILLIPS CHEMICAL COMPANY LP, P.O. Box 4910, The
Woodlands, Texas 77387-4910, United States of America ~72: DANIEL H ESS;DOO-HYUN KWON;ORSON L
SYDORA;STEVEN M BISCHOF;URIAH J KILGORE~ 33:US ~31:17/521,505 ~32:08/11/2021

- APPLIED ON 2024/05/17 -

2024/03848 ~ Complete ~54:METHOD FOR PRODUCING MILK LIKE PRODUCTS ~71:Société des Produits
Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BACHMANN, Virginie;BIANCHI,
Arianna;KRAUS, Marine;MARQUES DE LIMA, Maria;MASHINCHIAN, Omid~ 33:EP ~31:21205096.7
~32:27/10/2021

2024/03849 ~ Complete ~54:METHOD FOR PRODUCING MILK LIKE PRODUCTS ~71:Société des Produits
Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BACHMANN, Virginie;BIANCHI,
Arianna;KRAUS, Marine;MARQUES DE LIMA, Maria;MASHINCHIAN, Omid~ 33:EP ~31:21205064.5
~32:27/10/2021

2024/03853 ~ Complete ~54:NOVEL HETEROARYL-UREA COMPOUNDS AS KV7.2 INHIBITORS ~71:F.
Hoffmann-La Roche AG, Grenzacherstrasse 124, BASEL 4070, SWITZERLAND, Switzerland;Icagen, LLC, 1035
Swabia Court, Suite 110, Newcastle North, DURHAM 27703, NC, USA, United States of America ~72:
CHAPMAN, Mark;DAVIDSON, James;DAVIES, Nicholas Gareth Morse;GERLACH, Aaron;GRAHAM, Christopher
John;LEBRETON, Sylvain;LI, Ronghua;MA, Nina;MECHIN, Ingrid;MOWREY, David;NAGARAJAN,
Karthigeyan;NAIR, Anil;NORCROSS, Roger David;REDONDO PENA, Roger Lluís;SAFAROVA, Alena;SMRCINA,
Martin~ 33:US ~31:63/281,133 ~32:19/11/2021

2024/03830 ~ Complete ~54:SOLID WASTE-BASED COMPOSITE INSULATION MATERIAL AND
PREPARATION METHOD AND APPLICATION THEREOF ~71:CHINA NORTHEAST ARCHITECTURAL
DESIGN AND RESEARCH INSTITUTE CO.,LTD, No. 65, Guangrong Street, Heping District, Shenyang City,
Liaoning Province, 110000, People's Republic of China ~72: LIANG, Feng;LIU, Qingdong;WANG, Xueli;WANG,
Yang;ZHANG, Xinlong~ 33:CN ~31:202311540691.X ~32:18/11/2023

2024/03854 ~ Complete ~54:PEPTIDE HAVING AFFINITY FOR HUMAN TRANSFERRIN RECEPTOR ~71:JCR
PHARMACEUTICALS CO., LTD., 3-19, Kasuga-cho, ASHIYA-SHI 6590021, HYOGO, JAPAN, Japan ~72:
ONOUCHI, Takashi;TAKAHASHI, Kenichi~ 33:JP ~31:2021-189037 ~32:19/11/2021;33:JP ~31:2022-023656
~32:18/02/2022;33:JP ~31:2022-043509 ~32:18/03/2022

2024/03824 ~ Provisional ~54:BIOMARKERS FOR MYCOBACTERIUM TUBERCULOSIS DETECTION
~71:KUNAMANDLA HEALTH SOLUTIONS (PTY) LTD, 60 Westmeath Avenue, Bonela, Durban, KwaZulu Natal,
4091, South Africa ~72: MICHELLE MAHARAJ~

2024/03834 ~ Complete ~54:MULTI-POINT RECEIVING DEVICE FOR BULK MATERIALS MATCHED WITH
BELT CONVEYOR ~71:Chuanqing Drilling Engineering Co., Ltd. Changqing Drilling General Company, No. 151,
Fourth Road, Fengcheng, Weiyang District, Xi'an City, Shaanxi Province, People's Republic of China;National

Energy Group Ningxia Coal Industry Co., Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China; Ningxia Tiandi Northwest Coal Machinery Co., Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: FENG Baozhong; GAO Xinfeng; GU Wang; LIU Zengjie; LUO Tingfeng; MA Yue; SHENG Weiqing; SU Xiaoping; WANG Zhanguai; WU Tao; ZHANG Fenyong~

2024/03837 ~ Complete ~54: MUTATED PROTOPORPHYRINOGEN IX OXIDASE (PPX) GENES ~71: CIBUS EUROPE B.V., Goessestraatweg 19, 4421 AD, Kapelle, Netherlands; CIBUS US LLC, 6455 Nancy Ridge Drive Suite 100, San Diego, California, 92121, United States of America ~72: AURA DE SCHOPKE; CHRISTIAN SCHOPKE; GREGORY F W GOCAL; JAMES PEARCE; KEITH A WALKER; PETER R BEETHAM; SARAH DUMM~ 33:US ~31:61/370, 436 ~32:03/08/2010

2024/03839 ~ Complete ~54: OPTICAL BRANCHING AND TERMINATION BOX ~71: FURUKAWA ELECTRIC LATAM S.A., Rua Hasdrubal Bellegard, 820, Cidade Industrial, Curitiba - PR, 81460-120, Brazil ~72: THIAGO DECONTO VIEIRA~ 33:BR ~31:BR 10 2019 023385 0 ~32:07/11/2019

2024/03828 ~ Complete ~54: METHOD FOR ESTABLISHING EFFICIENT RAPID PROPAGATION SYSTEM OF M. 'BAIYUN' STEM SEGMENT ~71: JINLING INSTITUTE OF TECHNOLOGY, 99 Hongjing Avenue, Jiangning District, Nanjing City, Jiangsu Province, 211199, People's Republic of China; Nanjing Forestry University, 159 Longpan Road, Xuanwu District, Nanjing City, Jiangsu Province, 210037, People's Republic of China; Nanjing Zhulu Jingguan Engineering Co., Ltd., 199 Mufu East Road, Gulou District, Nanjing City, Jiangsu Province, 210028, People's Republic of China ~72: FAN Junjun; HUANG Jun; JIN Yaqin; MA Jingze; XIA Chongli; ZAI Xueming; ZHANG Wangxiang~ 33:CN ~31:2023113171981 ~32:12/10/2023

2024/03846 ~ Complete ~54: COMBINATION THERAPY FOR TREATMENT OF CANCER ~71: Aveo Pharmaceuticals, Inc., 30 Winter Street, BOSTON 02108, MA, USA, United States of America ~72: BAUMAN, Julie E.~

2024/03863 ~ Complete ~54: ANTIPERSPIRANT COMPOSITION ~71: UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: SATYAJIT SAMADDER; SOMNATH DAS~ 33:EP ~31:21216324.0 ~32:21/12/2021

2024/03821 ~ Provisional ~54: BASEPLATE FOR THREE-DIMENSIONAL PRINTING ~71: CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE, 20 President Brand Street, South Africa ~72: VAN DER WALT, Jacobus Gert~

2024/03856 ~ Complete ~54: A METHOD OF CONTROLLING A VALVE ASSEMBLY ~71: MAREE, Johannes Hendrik Loubscher, 171 Bossendal Street, 9 Cederberg, Equestria Estate, EQUESTRIA, Pretoria 0181, Gauteng Province, SOUTH AFRICA, South Africa ~72: MAREE, Johannes Hendrik Loubscher~ 33:ZA ~31:2022/06285 ~32:07/06/2022

2024/03831 ~ Complete ~54: MODIFIED WASTE BRICK RECYCLED AGGREGATE, PREPARATION METHOD THEREOF, RECYCLED AGGREGATE PERMEABLE BRICK, AND RECYCLED AGGREGATE CONCRETE BLOCK ~71: CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO., LTD, No. 65, Guangrong Street, Heping District, Shenyang City, Liaoning Province, 110000, People's Republic of China ~72: HUANG, Liang; LIANG, Feng; LIU, Qingdong; WANG, Qinghe; WANG, Xueli; WANG, Yang; ZHANG, Xinlong~ 33:CN ~31:202311541950.0 ~32:20/11/2023

2024/03835 ~ Complete ~54: A GEOGRAPHIC INFORMATION COLLECTION AND SURVEYING DEVICE ~71: CHUZHOU UNIVERSITY, No.1 Huifeng West Road, Nanqiao District, Chuzhou City, Anhui Province, People's Republic of China ~72: Jiang Ling; Qi Xiaorui; Su Zihao; Wang Zongfei~

2024/03841 ~ Complete ~54:A METHOD AND SYSTEM FOR IMPROVING THE ACCURACY OF DYNAMIC WEIGHING BASED ON MULTI-SENSOR FUSION ~71:HENGKE IOT SYSTEM CORPORATION OF CMST, Dong Zhuang Village, Guangwu Town, Xingyang City, Zhengzhou City, Henan, 450103, People's Republic of China ~72: GU Jianbin;SONG Kuiyun;ZHANG Hongliang;ZHOU Chunbo~

2024/03844 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING CANCER ~71:Onconova Therapeutics, Inc., 12 Penns Trail, NEWTOWN 18940 , PA, USA, United States of America ~72: FRUCHTMAN, Steven;GELDER (Deceased), Mark;PARRIS, Matthew~ 33:US ~31:63/280,948 ~32:18/11/2021

2024/03850 ~ Complete ~54:NOVEL LIPIDS FOR DELIVERY OF NUCLEIC ACID SEGMENTS ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: CZECHTIZKY, Werngard;HEMMERLING, Martin;LINDFORS, Lennart;POTE, Aditya Ravindra;ULKOSKI, David~ 33:US ~31:63/264,263 ~32:18/11/2021;33:US ~31:63/374,756 ~32:07/09/2022

2024/03858 ~ Complete ~54:DEVICE AND METHOD FOR DILATION OF A TUBULAR ANATOMICAL STRUCTURE ~71:ENDO UV TECH, 515 Las Olas Blvd., No. 120, Fort Lauderdale, Florida, 33301, United States of America ~72: BRANT D WATSON;HENRY W VAN VURST~

2024/03857 ~ Complete ~54:METHOD AND APPARATUS FOR INDIRECT DETERMINATION OF THE DEW POINT OF COMPRESSED AIR ~71:ATLAS COPCO AIRPOWER, NAAMLOZE VENNOOTSCHAP, Boomsesteenweg 957, 2610 Wilrijk, Belgium ~72: THOMAS VAN DEN WYNGAERT~ 33:BE ~31:BE2021/5834 ~32:26/10/2021

2024/03859 ~ Complete ~54:PIPERIDINYL INDOLE DERIVATIVES, PREPARATION METHODS AND MEDICINAL USES THEREOF ~71:HANSOH BIO LLC, Hansoh Bio, 9900 Medical Center Drive, Ste 200, Rockville, Maryland, 20850, United States of America;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: AVINASH KHANNA;HUGH Y ZHU;LISA A DE MEESE;MATTHEW KIER;WEI ZHOU~ 33:US ~31:63/263,108 ~32:27/10/2021;33:US ~31:63/268,655 ~32:28/02/2022;33:US ~31:63/362,916 ~32:13/04/2022;33:US ~31:63/365,029 ~32:20/05/2022;33:US ~31:63/366,101 ~32:09/06/2022

2024/03860 ~ Complete ~54:METHOD AND APPARATUS FOR ROBUST MESSAGE TRANSMISSION RECEPTION OVER FRONTHAUL NETWORK ~71:SAMSUNG ELECTRONICS CO., LTD., 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea ~72: SANIL RAMA CHANDRAN~ 33:US ~31:63/281,463 ~32:19/11/2021;33:US ~31:18/055,366 ~32:14/11/2022

2024/03865 ~ Complete ~54:PROCESSING METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM ~71:SHENZHEN TRANSSION HOLDINGS CO., LTD., Room 1702-1703, Desay Building, No. 9789 Shennan Road, People's Republic of China ~72: WANG, Sha~ 33:CN ~31:202210531728.1 ~32:17/05/2022

2024/03875 ~ Complete ~54:EVALUATION METHOD OF ULTRAFINE GRINDING PRODUCTS BASED ON FUZZY COMPREHENSIVE EVALUATION ~71:LINGZHI ENVIRONMENTAL PROTECTION CO., LTD., DISTRICT D, TECHNOLOGY DEVELOPMENT AREA, XIJIU AVENUE, People's Republic of China;NINGBO UNIVERSITY OF FINANCE & ECONOMICS, NO. 899, XUEYUAN ROAD, People's Republic of China ~72: CHEN, Hao;LIU, Huiping;LV, Huanpei;WANG, Mingling;ZHU, Zaisheng~

2024/03819 ~ Provisional ~54:CEMENTITIOUS LIGHTWEIGHT PANEL ~71:CARL FREDERICK WILHELM SUPRA, 9 MELROSE GARDENS, 17 NORTH STREET, ILLOVO, South Africa ~72: CARL FREDERICK WILHELM SUPRA ~

2024/03864 ~ Complete ~54:COMPOSITIONS COMPRISING 2'-DEOXYCYTIDINE ANALOGS AND USE THEREOF FOR THE TREATMENT OF SICKLE CELL DISEASE, THALASSEMIA, AND CANCERS ~71:AKIRABIO, INC., 19 Garrison Road , Wellesley, Massachusetts, 02482, United States of America ~72: SANTHOSH VADIVELU~ 33:US ~31:63/257,541 ~32:19/10/2021

2024/03866 ~ Complete ~54:DATA TRANSMISSION METHOD, COMMUNICATION DEVICE, AND STORAGE MEDIUM ~71:SHENZHEN TRANSSION HOLDINGS CO., LTD., Room 1702-1703, Desay Building, No.9789 Shennan Road, People's Republic of China ~72: HUANG, Junwei;HUANG, Wei;ZHU, Rongchang~ 33:CN ~31:202210478249.8 ~32:05/05/2022

2024/03825 ~ Provisional ~54:AERIAL ROPED CONVEYOR ~71:Paula Steyn, Rietfontein 274 JT #1, South Africa ~72: Theunis Steyn~ 33:ZA ~31:ZA20249999990 ~32:16/05/2024

2024/03829 ~ Complete ~54:TURNING DRUM ASSEMBLY CAPABLE OF SYNCHRONOUSLY REALIZING TURNING AND CRUSHING FUNCTIONS ~71:MACHINERY TECHNOLOGY DEVELOPMENT CO., LTD., No.2 Shouti South Road, Haidian District, Beijing, 100044, People's Republic of China ~72: WANG Tao~ 33:CN ~31:202310637798X ~32:31/05/2023

2024/03832 ~ Complete ~54:CONNECTING STRUCTURE FOR PRECAST FACADE PANEL AND FABRICATED STEEL FRAME BEAM ~71:CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO.,LTD, No. 65, Guangrong Street, Heping District, Shenyang City, Liaoning Province, 110000, People's Republic of China ~72: LIANG, Feng;LIU, Qingdong;SUI, Weining;WANG, Qinghe;WANG, Xueli;WANG, Yang;WANG, Zhanfei;ZHANG, Xinlong~ 33:CN ~31:202311027105.1 ~32:15/08/2023

2024/03838 ~ Complete ~54:A BELT CLEANER ~71:COMPOSITE CONVEYOR EQUIPMENT COMPANY (PTY) LIMITED, 4 Van Lingen Street, South Germiston Factory Park, Germiston South, South Africa ~72: ROBERT GERD EICHHORN~ 33:ZA ~31:2023/05670 ~32:26/05/2023

2024/03842 ~ Complete ~54:DEUTERATED FUNCTIONALIZED DERIVATIVES OF A-ALANINE, IN PARTICULAR FOR THE TREATMENT OF NEUROLOGICAL DISEASES ~71:UNIWERSYTET JAGIELLOŃSKI, ul. Gołębia 24, Poland ~72: ABRAM, Michał;JAKUBIEC, Marcin;KAMIŃSKI, Krzysztof;KAMIŃSKI, Rafał~ 33:PL ~31:P.439639 ~32:24/11/2021

2024/03851 ~ Complete ~54:METHODS OF TREATING BRAIN TUMOURS AND NEUROBLASTOMAS ~71:AstraZeneca AB, SÖDERTÄLJE 151 85, SWEDEN, Sweden ~72: HAMERLIK, Petra~ 33:US ~31:63/292,029 ~32:21/12/2021

2024/03822 ~ Provisional ~54:INFORMATION MANAGEMENT SYSTEM AND METHOD ~71:MEDICAL AND PERSONAL VERIFICATION (PTY) LIMITED, 1057 Avocet Avenue, Zambezi Country Estate, Montana Park, South Africa ~72: ROOS, Johan;SMITH, Derick~

2024/03855 ~ Complete ~54:METHOD FOR PRODUCING MILK LIKE PRODUCTS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BACHMANN, Virginie;BIANCHI, Arianna;KRAUS, Marine;MARQUES DE LIMA, Maria;MASHINCHIAN, Omid~ 33:EP ~31:21205065.2 ~32:27/10/2021

2024/03862 ~ Complete ~54:CONTAINER AND LATCHING SYSTEM ~71:YETI COOLERS, LLC, 7601 Southwest Parkway, Austin, Texas, 78735, United States of America ~72: COLIN DARLING;DUSTIN R BULLOCK;WALTER T BLANCHARD~ 33:US ~31:17/530,053 ~32:18/11/2021

2024/03847 ~ Complete ~54:METHOD FOR PRODUCING MILK LIKE PRODUCTS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BIANCHI, Arianna;CHAMBRIN, Brice;DESTAILLATS, Frederic;HALLER, Corinne;KRAUS, Marine;MASHINCHIAN, Omid;YART, Lucile~ 33:EP ~31:21205094.2 ~32:27/10/2021

2024/03868 ~ Provisional ~54:EVO SERIES DYNAMIC WAKE ~71:Heather Cotterell, 101 Oxford road, South Africa ~72: Heather Cotterell~

2024/03874 ~ Complete ~54:A METHOD FOR DETERMINING MEMBERSHIP FUNCTION ~71:LINGZHI ENVIRONMENTAL CO., LTD., DISTRICT D, TECHNOLOGY DEVELOPMENT AERA, XIJIU STREET, People's Republic of China;NINGBO UNIVERSITY OF FINANCE & ECONOMICS, NO. 899, XUEYUAN ROAD, People's Republic of China ~72: CHEN, Hao;LIU, Huiping;LV, Huanpei;LV, Xuejiao;TIAN, Si;WANG, Mingling;ZHANG, Yubin;ZHENG, Mengze;ZHU, Huomei;ZHU, Zaisheng~

2024/03836 ~ Complete ~54:A KIND OF PIG FEEDING TROUGH FOR LIVESTOCK BREEDING WHICH IS EASY TO CLEAN ~71:Gansu Agricultural University, No. 1, Yingmen Village, Anning District, Lanzhou City, Gansu Province, 730070, People's Republic of China ~72: Yan Zunqiang~

2024/03823 ~ Provisional ~54:AN ASSEMBLY ~71:OWEN, Darryl, Nicholas, VILLA 28, AL JALI STREET 16, UMM SUQEIM 3, DUBAI, UNITED ARAB EMIRATES, United Arab Emirates ~72: OWEN, Darryl, Nicholas~

2024/03840 ~ Complete ~54:METHOD FOR HEALTH DATA MANAGEMENT THROUGH SUPERCONDUCTING NEUROMORPHIC PROCESSORS ~71:GUANGZHOU KEFU MEDICAL TECHNOLOGY CO., LTD, Second floor of No.5 factory Dongshen Village Dongyong Town, Nansha District, People's Republic of China ~72: LIU, Enping;LIU, Sujun;LIU, Yidi;TAN, Ping;WANG, Shengxiang~

2024/03843 ~ Complete ~54:METHOD FOR PRODUCING MILK LIKE PRODUCTS ~71:Société des Produits Nestlé S.A., Avenue Nestlé 55, VEVEY 1800, SWITZERLAND, Switzerland ~72: BIANCHI, Arianna;DESTAILLATS, Frederic;KRAUS, Marine;MARQUES DE LIMA, Maria;MASHINCHIAN, Omid~ 33:EP ~31:21205070.2 ~32:27/10/2021

2024/03861 ~ Complete ~54:A HOT COFFEE BREWING APPARATUS ~71:BRAVILOR BONAMAT B.V., Pascalstraat 20, 1704 RD, Heerhugowaard, Netherlands ~72: GERARDUS CORNELIS JOZEF DE GROOT;JAN ANSING;JELLE HAANTJES;MARGRIET DE GRAAF~ 33:NL ~31:2029845 ~32:19/11/2021

2024/03833 ~ Complete ~54:CONNECTING JOINT FOR FULLY FABRICATED COAL GANGUE CONCRETE COLUMN AND STEEL BEAM ~71:CHINA NORTHEAST ARCHITECTURAL DESIGN AND RESEARCH INSTITUTE CO.,LTD, No. 65, Guangrong Street, Heping District, Shenyang City, Liaoning Province, 110000, People's Republic of China;Harbin Institute of Technology, 92 Xidazhi Street, Nangang District, Harbin City, Heilongjiang Province, 110000, People's Republic of China ~72: BAO, Xu;WANG, Qinghe;WANG, Xueli;ZHANG, Wenyan;ZHANG, Xinlong~ 33:CN ~31:202311552089.8 ~32:20/11/2023

2024/03845 ~ Complete ~54:METHODS AND COMPOSITIONS FOR TREATING CANCER ~71:Onconova Therapeutics, Inc., 12 Penns Trail, NEWTOWN 18940 , PA, USA, United States of America ~72: FRUCHTMAN, Steven M.;GELDER (Deceased), Mark S.;PARRIS, Matthew~ 33:US ~31:63/280,957 ~32:18/11/2021

2024/03852 ~ Complete ~54:HYBRID GLASS MANUFACTURING FURNACE WITH ELECTRIC MELTING, FOR SUPPLYING A FLOAT UNIT ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURVEVOIE 92400, FRANCE, France ~72: COMBES, Jean-Marie;DE DIANOUS, Philippe;LE VERGE, Arnaud;SAGET, Aurélien~ 33:EP ~31:21306609.5 ~32:18/11/2021;33:EP ~31:22305857.9 ~32:13/06/2022

- APPLIED ON 2024/05/20 -

2024/03869 ~ Provisional ~54:TRACKING METHOD AND DEVICE ~71:Rouxcel Technology (Pty) Ltd, 17 Quantum Street, Techno Park, South Africa ~72: LE ROUX, Solomon Petrus~

2024/03886 ~ Complete ~54:MONITORING SYSTEM AND METHOD ~71:ORICA INTERNATIONAL PTE LTD, 70 Anson Road, #07-02 Hub Synergy Point, Singapore ~72: APPLEBY, Rodney;ARKWRIGHT, John;RASMUSSEN, Kieren~ 33:SG ~31:10202113093T ~32:25/11/2021

2024/03898 ~ Complete ~54:REFERENCE SIGNAL TRANSMISSION METHOD, REFERENCE SIGNAL RECEIVING METHOD, COMMUNICATION NODE, AND STORAGE MEDIUM ~71:ZTE CORPORATION, ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan, SHENZHEN 518057, GUANGDONG, CHINA (P.R.C.), People's Republic of China ~72: LI, Yong;LU, Zhaohua;WANG, Yuxin;WU, Hao~ 33:CN ~31:202111530207.6 ~32:14/12/2021

2024/03906 ~ Complete ~54:INJECTABLE AND INHALABLE FORMULATIONS ~71:CYBIN UK LTD, 50 Featherstone Street, London, EC1Y 8RT, United Kingdom ~72: CAROL ROUTLEDGE;ELLEN JAMES;MARIE LAYZELL;MEGHAN GOOD;PETER RANDS;TIFFANIE BENWAY;ZELAH JOEL~ 33:EP ~31:PCT/EP2021/082227 ~32:18/11/2021;33:TW ~31:110143066 ~32:18/11/2021;33:GB ~31:2119021.0 ~32:24/12/2021;33:US ~31:17/574,424 ~32:12/01/2022;33:EP ~31:PCT/EP2022/055324 ~32:02/03/2022

2024/03873 ~ Provisional ~54:A COMPUTER-IMPLEMENTED SYSTEM FOR ENABLING SUBSIDISED CELLULAR TRANSACTIONS ~71:KGATI, Sebe James, 2389 Westbrook Estate, Protea Drive, Noordwyk, South Africa ~72: KGATI, Sebe James~

2024/03881 ~ Complete ~54:LATERALLY ARTICULABLE BELT CONVEYOR SYSTEMS ~71:Robbins Mining, Inc., 29100 Hall Street, SOLON 44139, OH, USA, United States of America ~72: GROTHEN, Bradley Dean~ 33:US ~31:63/503,450 ~32:19/05/2023

2024/03888 ~ Complete ~54:USES OF BICYCLIC COMPOUNDS FOR THE TREATMENT OF DISEASES ~71:ATHIRA PHARMA, INC., 18706 Northcreek Parkway, Suite 104, United States of America ~72: BOATMAN, Douglas;CHURCH, Kevin;JOHNSTON, Jewel;KAWAS, Leen;TAYLOR, Robert~ 33:US ~31:63/290,783 ~32:17/12/2021;33:US ~31:63/312,696 ~32:22/02/2022

2024/03878 ~ Complete ~54:TELESCOPIC TRUSS PLUG-IN BELT CONVEYOR ~71:Chuanqing Drilling Engineering Co., Ltd. Changqing Drilling General Company, No. 151, Fourth Road, Fengcheng, Weiyang District, Xi'an City, Shaanxi Province, People's Republic of China;National Energy Group Ningxia Coal Industry Co., Ltd., No. 168 Beijing Middle Road, Yinchuan City, Ningxia Hui Autonomous Region, People's Republic of China;Ningxia Tiandi Northwest Coal Machinery Co., Ltd., Dawukou Industrial Park, Shizuishan City, Ningxia Hui Autonomous Region, People's Republic of China ~72: CAI Ruikun;FENG Baozhong;GU Wang;LAN Chunsen;MA Liwei;MA Yue;MA Yupeng;SU Xiaoping;TONG Jianzhong;WANG Hao;WANG Ning;WANG Xinghong;YANG Hai;YANG Ping~

2024/03879 ~ Complete ~54:BROAD-SPECTRUM ORGANIC HERBICIDE ~71:MANGOSUTHU UNIVERSITY OF TECHNOLOGY, 511 MANGOSUTHU HIGHWAY, UMLAZI, DURBAN, 4031, SOUTH AFRICA, South Africa ~72: ANANDRAJ, Akash~ 33:ZA ~31:2023/05712 ~32:29/05/2023

2024/03884 ~ Complete ~54:A MODIFIED TAIL PIECE ~71:LINCOR HOLDINGS (PTY) LTD, 1 Wootton Avenue, Botha's Hill, Hillcrest, South Africa ~72: TURK, Timothy David~ 33:ZA ~31:2023/07015 ~32:12/07/2023

2024/03896 ~ Complete ~54:FERTILIZER COMPOSITION INCLUDING AMMONIUM SULPHATE COATED UREA PARTICLES ~71:SABIC Agri-Nutrients Company, P.O. Box 11044, JUBAIL 31961, SAUDI ARABIA, Saudi Arabia ~72: ACHANATH, Radha;BAG, Nilkamal~ 33:EP ~31:21204051.3 ~32:21/10/2021

2024/03880 ~ Complete ~54:A FOOD PRODUCT AND A METHOD AND APPARATUS FOR MANUFACTURING THE FOOD PRODUCT ~71:NEL, Petrus Jacobus, 5 Agostino Street, South Africa ~72: NEL, Petrus Jacobus~

2024/03882 ~ Complete ~54:ANTI-TSPAN8/ANTI-CD3 BISPECIFIC ANTIBODY AND ANTI-TSPAN8 ANTIBODY ~71:ASTELLAS PHARMA INC., 5-1, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo, 1038411, Japan;NATIONAL CANCER CENTER, 1-1, Tsukiji 5-chome, Chuo-ku, Tokyo, 1040045, Japan ~72: DAISUKE YAMAJUKU;FUMIKO CHIWAKI;HIROKI SASAKI;MASATOSHI YURI;MASAYUKI KOMATSU;TAKESHI TSUTSUMI;YOSHIYUKI TENDA;YUKO KUSUZAKI~ 33:JP ~31:2020-189988 ~32:16/11/2020

2024/03902 ~ Complete ~54:FORMULATIONS ~71:UCB BIOPHARMA SRL, Allée de la Recherche, 60, B-1070, Brussels, Belgium ~72: CLAUDE PEERBOOM;MICHAËL JOSEPH EDOUARD BOONEN;SARAH MARQUETTE~ 33:GB ~31:2115127.9 ~32:21/10/2021

2024/03893 ~ Complete ~54:NICOTINE CHEWING GUM ~71:McNeil AB, Norrbroplatsen 2, HELSINGBORG S-251 09, SWEDEN, Sweden ~72: EDMAN, Martin;NILGARD, Jill~ 33:SE ~31:2151282-7 ~32:21/10/2021

2024/03897 ~ Complete ~54:BAG3 METHODS AND USES FOR TREATMENT OF INFLAMMATION ~71:Loyola University of Chicago, 2160 South First Avenue, MAYWOOD 60153, IL, USA, United States of America;Temple University of the Commonwealth System of Higher Education, Broad Street and Montgomery Avenue, PHILADELPHIA 19122, PA, USA, United States of America ~72: FELDMAN, Arthur M.;KIRK, Jonathan~ 33:US ~31:63/262,953 ~32:22/10/2021;33:US ~31:63/368,765 ~32:18/07/2022

2024/03905 ~ Complete ~54:SYSTEMS AND METHODS FOR HIGH-EFFICIENCY NUTRIENT REMOVAL AND RECOVERY FROM WASTE STREAMS ~71:UNIVERSITY OF SOUTH FLORIDA, 3802 Spectrum Blvd., Suite 100, Tampa, Florida 33612-9220, United States of America ~72: AHMET ERKAN UMAN;CYNTHIA J CASTRO;DANIEL H YEH;HSIANG-YANG SHYU;ITZÉ ALEJANDRA KENNEY~ 33:US ~31:63/264,124 ~32:16/11/2021

2024/03872 ~ Provisional ~54:VEHICLE TYRE TRACTION DEVICE ~71:PAUL, Steven Mark, 7 Brampton, 30 Nqutu Rd, South Africa ~72: PAUL, Steven Mark~

2024/03889 ~ Complete ~54:IRON RECOVERY ~71:MANIC IRON TECHNOLOGY (PTY) LTD, 46 Northview Road, South Africa ~72: BEACHY HEAD, John Peter;BECERRA NOVOA, Jorge Octavio~ 33:ZA ~31:2021/09859 ~32:02/12/2021

2024/03894 ~ Complete ~54:METHOD AND APPARATUS FOR PRODUCING AMMONIA ~71:Linde GmbH, Dr.-Carl-von-Linde-Str. 6-14, PULLACH 82049, GERMANY, Germany ~72: HEINZEL, Albrecht;REINKE, Michael;SCHWARZHUBER, Josef~ 33:EP ~31:21020596.9 ~32:26/11/2021

2024/03891 ~ Complete ~54:MONITORING UNIT FOR MONITORING A RAILWAY TRACK AND METHOD FOR MONITORING A RAILWAY TRACK ~71:Frauscher Sensortechnik GmbH, Gewerbestr. 1, ST. MARIENKIRCHEN 4774, AUSTRIA, Austria ~72: EINBÖCK, Florian;ROSENBERGER, Martin;THALBAUER, Rudolf~ 33:EP ~31:21203954.9 ~32:21/10/2021

2024/03907 ~ Complete ~54:MECHANISM FOR PROPELLING HUMAN-POWERED VEHICLES BY MEANS OF LEVERS THAT PIVOT ON A HORIZONTAL AXIS AND/OR TWO PARALLEL AND SYMMETRICAL VERTICAL

AXES ~71:BENTERKI, Mohamed Sadek, Cite 10 Logts bat 03 n 18 haouche megnouche, 16048, Gue de Constantine, Algeria ~72: BENTERKI, Mohamed Sadek~ 33:DZ ~31:DZ-2021-000716 ~32:21/11/2021

2024/03871 ~ Provisional ~54:HYDRO PROPRITE ~71:Mining Product Developments (Pty)Ltd, 10 Vegkop Street, Noordheuwel, South Africa ~72: Frans Roelof Petrus Pienaar / Mark Howell~

2024/03909 ~ Provisional ~54:HAPPINESS IN YELLOW ~71:SABELO DLAMINI, 118 EIGHT STREET, NOORDWYK, South Africa ~72: SABELO DLAMINI ~

2024/03876 ~ Complete ~54:ON-LINE MULTIFUNCTIONAL QUALITY MONITORING METHOD AND SYSTEM FOR CASTING PROCESS OF FUSED REFRACTORY ~71:Zhengzhou Dongfang Ancai Refractory Co., Ltd, No.1 Dongfang Road, Chaohua Town, Xinmi City, Zhengzhou City, Henan Province, 450000, People's Republic of China ~72: WEI, Xiaomin;YANG, Daoyuan;YANG, Jingyu;ZHAO, Xincheng~ 33:CN ~31:202410385975.4 ~32:29/03/2024

2024/03870 ~ Provisional ~54:IMPROVEMENT TO MINE PERMANENT ELONGATE SUPPORT ~71:Mining Product Developments (Pty)Ltd, 10 Vegkop Street, Noordheuwel, South Africa ~72: Frans Roelof Petrus Pienaar / Mark Howell~

2024/03890 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING ADRENALINE ~71:OREXO AB, PO Box 303, SE-751 05, Sweden ~72: RÖNN, Robert;SÄVMARKER, Jonas~ 33:GB ~31:2117015.4 ~32:25/11/2021;33:GB ~31:2117016.2 ~32:25/11/2021

2024/03899 ~ Complete ~54:SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM AND METHOD FOR MONITORING A RAILWAY SYSTEM ~71:Frauscher Sensortechnik GmbH, Gewerbestr. 1, ST. MARIENKIRCHEN 4774, AUSTRIA, Austria ~72: EINBÖCK, Florian;ROSENBERGER, Martin;THALBAUER, Rudolf~ 33:EP ~31:21203952.3 ~32:21/10/2021

2024/03883 ~ Complete ~54:SYSTEMS AND METHODS FOR DETERMINING WATER DEPTH AND EXPLOSIVE DEPTH IN BLASTHOLES ~71:DYNO NOBEL ASIA PACIFIC PTY LIMITED, Level 8 28 Freshwater Place, Southbank, Victoria, 3006, Australia ~72: JOHN MYERS;PAUL TERRY~ 33:AU ~31:2020904099 ~32:10/11/2020

2024/03887 ~ Complete ~54:APPARATUS FOR IMPROVED CLEANING USING MICROWAVE ENERGY ~71:MICROWAVE SOLUTIONS GMBH, BURGSTRASSE 15, 4125 RIEHEN, SWITZERLAND, Switzerland ~72: ROSSOUW, Mathys Johannes~ 33:ZA ~31:2021/06214 ~32:27/10/2021

2024/03895 ~ Complete ~54:HYBRID GLASS-MANUFACTURING FURNACE WITH THREE CONVECTION CURRENTS FOR FEEDING A FLOAT UNIT ~71:Saint-Gobain Glass France, Tour Saint-Gobain, 12 Place de l'Iris, COURBEVOIE 92400, FRANCE, France ~72: COMBES, Jean-Marie;DE DIANOUS, Philippe;LE VERGE, Arnaud;SAGET, Aurélien~ 33:EP ~31:21306665.7 ~32:30/11/2021;33:EP ~31:22305860.3 ~32:13/06/2022

2024/03908 ~ Complete ~54:INTELLIGENT ELECTRIC WHEELCHAIR AND AUTOMATIC CONTROL METHOD THEREFOR ~71:SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES, Shanghai University of Medicine And Health Sciences, 279 Zhouzhu Road, Pudong New Area, Shanghai, 200135, People's Republic of China ~72: BI, Zhuoran;GUO, Jiachen;GUO, Jingzhen;WU, Tao;ZHAO, Wenlong;ZHOU, Liang~ 33:CN ~31:202311730932.7 ~32:15/12/2023

2024/03903 ~ Complete ~54:UREA CYCLE AUGMENTING COMPOSITION AND METHODS OF USE ~71:BRADLEY MAAG, 4015 Tiverton Way, Lakeland, Florida, 33813, United States of America;JOSHUA STEINBRONN, 3047 Eagle Haven Dr., Winter Haven, Florida, 33880, United States of America ~72: BRADLEY

MAAG;JOSHUA STEINBRONN~ 33:US ~31:63/270,369 ~32:21/10/2021;33:US ~31:17/956,221
~32:29/09/2022

2024/03885 ~ Complete ~54:SYSTEM FOR COLLECTING, GENERATING, AND TRANSMITTING GIGAWATT SCALE ENERGY FROM A PLURALITY OF DISTRIBUTED SOURCES DISPERSED OVER AN AREA
~71:COLWILL, Richard Douglas, Flat 2, G/F, Blk D, Luso Apartments, 5 Warwick Road, Hong Kong;INTERCONTINENTAL ENERGY HOLDINGS GROUP LIMITED, Woodbourne Hall, PO Box 3162, Virgin Islands (British);PRIEST, Warner Denis, Level 1 / Unit 7, 100 Mill Point Rd South Perth, Australia;TANCOCK, Alexander Keith, Villa 1081, Way 417, Oman ~72: COLWILL, Richard Douglas;PRIEST, Warner Denis;TANCOCK, Alexander Keith~ 33:US ~31:63/287,841 ~32:09/12/2021

2024/03892 ~ Complete ~54:SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM ~71:Frauscher Sensortechnik GmbH, Gewerbestr. 1, ST. MARIENKIRCHEN 4774, AUSTRIA, Austria ~72: EINBÖCK, Florian;ROSENBERGER, Martin;THALBAUER, Rudolf~ 33:EP ~31:21203955.6 ~32:21/10/2021

2024/03900 ~ Complete ~54:METHOD FOR MONITORING A RAILWAY SYSTEM AND SENSOR ARRANGEMENT FOR A RAILWAY SYSTEM ~71:Frauscher Sensortechnik GmbH, Gewerbestr. 1, ST. MARIENKIRCHEN 4774, AUSTRIA, Austria ~72: EINBÖCK, Florian;ROSENBERGER, Martin;THALBAUER, Rudolf~ 33:EP ~31:21203953.1 ~32:21/10/2021

2024/03877 ~ Complete ~54:BUILDING BIM MODULE MANAGEMENT SYSTEM BASED ON NEURAL NETWORK ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, People's Republic of China ~72: JIE Chaoyang;LIU Xiao;LIU Yanli;YIN Xupeng;ZHANG Dali~

2024/03901 ~ Complete ~54:FORMULATIONS ~71:UCB BIOPHARMA SRL, Allée de la Recherche, 60, B-1070, Brussels, Belgium ~72: CLAUDE PEERBOOM;MICHA?L JOSEPH EDOUARD BOONEN~ 33:GB ~31:2115121.2 ~32:21/10/2021

2024/03904 ~ Complete ~54:COMPOSITIONS FOR PROVIDING PARENTERAL NUTRITION TO PEDIATRIC PATIENTS ~71:FRESENIUS KABI DEUTSCHLAND GMBH, Else-Kröner-Strasse 1, 61352, Bad Homburg, Germany ~72: HEIDI SCHUSTER;THERESE JONSSON~ 33:EP ~31:21216240.8 ~32:21/12/2021

- APPLIED ON 2024/05/21 -

2024/03913 ~ Provisional ~54:CONSTRUCTION ELEMENT, CONSTRUCTION SYSTEM AND METHOD OF CONSTRUCTION ~71:OSBORN, Simon Edward, c/o SKP Engineers (Pty) Ltd, Business Partners Building, 23 Jan Hofmeyr Road, Westville, Durban 3630, SOUTH AFRICA, South Africa ~72: OSBORN, Simon Edward~

2024/03915 ~ Provisional ~54:A SPLIT SET FASTENING AND INDICATOR MECHANISM ~71:HOLFELD, Barry Graeme, 1207 Schooner Avenue, Laser Park, Ext. 9, South Africa ~72: HOLFELD, Barry Graeme;SWANEPOEL, Shaun~

2024/03922 ~ Complete ~54:A PREPARATION METHOD FOR BIMETALLIC SELENIDE/THREE-DIMENSIONAL CARBON COMPOSITES AND APPLICATION THEREOF ~71:Taiyuan University of Technology, No. 79, Yingze West Street, Taiyuan City, Shanxi Province, 030000, People's Republic of China ~72: Chao MA;Xiaomin WANG;Xiaoming QIU;Yunrui DUAN~ 33:CN ~31:2024106213005 ~32:20/05/2024

2024/03925 ~ Complete ~54:SUBSTITUTED INDAZOLES USEFUL FOR TREATMENT AND PREVENTION OF ALLERGIC AND/OR INFLAMMATORY DISEASES IN ANIMALS ~71:Bayer Animal Health GmbH, Kaiser-Wilhelm-Allee 10, LEVERKUSEN 51373, GERMANY, Germany;Bayer Pharma Aktiengesellschaft, Müllerstr. 178,

BERLIN 13353, GERMANY, Germany ~72: BEDDIES, Gerald;BOTHE, Ulrich;BÖMER, Ulf;FOSTER, Adrian;MOTTIER, Maria De Lourdes;NUBBEMEYER, Reinhard;SCHMIDT, Nicole~ 33:EP ~31:16172544.5 ~32:01/06/2016

2024/03928 ~ Complete ~54:ACQUISITION METHOD AND DEVICE FOR THE INITIAL PHASE OF GNSS REFLECTED SIGNAL ~71:HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA, 166 Shuanghongqiao Street, Pingyao Town, Yuhang District, People's Republic of China ~72: WANG, Feng;XING, Jin;YANG, Dongkai~

2024/03932 ~ Complete ~54:METHOD AND DEVICE FOR PROVIDING BEVERAGE MANUFACTURING ANALYSIS ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BING, Xiaoyun;DEELEN, Willem Gerrit;MAAGD, Michiel Herman;PAVLOVIC, David;RAMIREZ, Ramon Marin~ 33:EP ~31:21210311.3 ~32:24/11/2021

2024/03912 ~ Provisional ~54:METHOD OF NOTIFYING ABOUT THE MOVEMENT OF A VEHICLE ~71:MPEHLE, Zuko Eddie, UNIT 44, SABLE COURT, 110 BLANDFORD ROAD, South Africa ~72: MPEHLE, Zuko Eddie~

2024/03916 ~ Provisional ~54:INVOICE PROCESSING SYSTEM ~71:Edmund Herbert, 38 Parrot Street, South Africa ~72: Edmund Herbert~

2024/03924 ~ Complete ~54:TETRAHYDRO-IMIDAZO[4,5-C]PYRIDINE DERIVATIVES AS PD-L1 IMMUNOMODULATORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: WU, Liangxing;XIAO, Kaijiong;YAO, Wenqing~ 33:US ~31:62/670,249 ~32:11/05/2018;33:US ~31:62/688,164 ~32:21/06/2018

2024/03929 ~ Complete ~54:APELINERGIC MACROCYCLES AND USES THEREOF ~71:SOCPIRA SCIENCES SANTÉ ET HUMAINES S.E.C., 35 rue Radisson, Suite 200, Canada ~72: BOUDREAU, Pierre-Luc;CÔTÉ, Jérôme;LONGPRÉ, Jean-michel;MARSAULT, Éric (deceased);MURZA, Alexandre;SARRET, Philippe;TRAN, Kien~ 33:US ~31:63/290,394 ~32:16/12/2021

2024/03933 ~ Complete ~54:A METHOD AND SYSTEM FOR MONITORING A DEVICE ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BING, Xiaoyun;DEELEN, Willem Gerrit;MAAGD, Michiel Herman;PAVLOVIC, David;RAMIREZ, Ramon Marin~ 33:EP ~31:21210309.7 ~32:24/11/2021

2024/03938 ~ Complete ~54:PLATED STEEL SHEET ~71:NIPPON STEEL CORPORATION, 6-1, Marunouchi 2-chome, Chiyoda-ku, TOKYO 1008071, JAPAN, Japan ~72: FUKUDA, Yuto;GOTO, Yasuto;KAWANISHI, Koji;MAJIMA, Yasuhiro;MATSUMURA, Kenichiro;NAKAMURA, Fumiaki;SAITO, Mamoru;SHINDO, Hidetoshi;TAKEBAYASHI, Hiroshi;TOKUDA, Kohei;YAMATO, Naoyuki~ 33:JP ~31:2021-174676 ~32:26/10/2021

2024/03940 ~ Complete ~54:A WEAR PROTECTION CAP AND A BIT HOLDER ARRANGEMENT ~71:Sandvik Mining and Construction G.m.b.H., Alpinestrasse 1, ZELTWEIG 8740, AUSTRIA, Austria ~72: GRIEF, Ralf;SCHRUNNER, Christian~ 33:EP ~31:21215580.8 ~32:17/12/2021

2024/03945 ~ Complete ~54:CONTINUOUS METHODS FOR FORMING METHYLENE UREA-ISOBUTYLENE DIUREA GRANULES ~71:SABIC Agri-Nutrients Company, PO Box 11044, JUBAIL 31961, SAUDI ARABIA, Saudi Arabia ~72: ACHANATH, Radha;AT, Kavya;KUMAR, Arvind~ 33:EP ~31:21204127.1 ~32:22/10/2021

2024/03951 ~ Complete ~54:GENE CHIP, MOLECULAR PROBE COMBINATION, KIT AND APPLICATION OF SHEEP GERMLASM RESOURCES IDENTIFICATION AND PEDIGREE RECONSTRUCTION ~71:CHINA AGRICULTURAL UNIVERSITY, Yuanminyuan West Road No. 2, Haidian District, People's Republic of China ~72: JING, Jianan;LI, Menghua;LV, Fenghua;YANG, Ji~ 33:CN ~31:202110822959.3 ~32:21/07/2021

2024/03939 ~ Complete ~54:COMBINATION THERAPY COMPRISING AN FGFR INHIBITOR AND A KRAS INHIBITOR ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: ABDOLLAHI, Angela;ARJONA, Alejandro Amador;CARLSEN, Peter;FAVATA, Margaret;GAN, Pei;HE, Chunhong;HOANG, Gia;HU, Bin;LAW, Chunyin Marshall;LI, Gencheng;LI, Yong;MCCAMMANT, Matthew;MIN, Chang;POLAM, Padmaja;POLICARPO, Rocco;QI, Chao;RIOS-DORIA, Jonathan;ROACH, Jeremy;SHVARTSBART, Artem;SOKOLSKY, Alexander;SUSICK, Robert;WANG, Hui;WANG, Xiaozhao;WEE, Susan;YANG, Jeffrey C.;YAO, Wenqing;YE, Qinda;YIN, Haolin;ZHANG, Fenglei;ZHAO, Le;ZHU, Wenyu~ 33:US ~31:63/282,017 ~32:22/11/2021;33:US ~31:63/317,654 ~32:08/03/2022;33:US ~31:63/352,491 ~32:15/06/2022

2024/03944 ~ Complete ~54:SUB-ASSEMBLY, ROCK DRILLING RIG, AND METHOD OF ABSORBING VIBRATIONS IN DRILLING ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: CHAVAN, Vitthal~ 33:IN ~31:202121056140 ~32:03/12/2021

2024/03918 ~ Complete ~54:CALCULATION METHOD OF ENERGY LOSS COEFFICIENT OF ASME ORIFICE PLATE ~71:ZHEJIANG INTERNATIONAL MARITIME COLLEGE, No. 268 Haitian Ave., Lincheng District, Zhoushan City, People's Republic of China ~72: Aipeng JIA;Jianxiang QI;Wanzheng AI;Xiaoxing PENG~

2024/03923 ~ Complete ~54:HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS ~71:Incyte Corporation, 1801 Augustine Cut-Off, WILMINGTON 19803, DE, USA, United States of America ~72: LI, Jingwei;WU, Liangxing;YAO, Wenqing~ 33:US ~31:62/650,821 ~32:30/03/2018;33:US ~31:62/687,964 ~32:21/06/2018

2024/03926 ~ Complete ~54:METHOD FOR MEASURING SOIL MOISTURE BASED ON SMART TERMINAL ~71:HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA, 166 Shuanghongqiao Street, Pingyao Town, Yuhang District, People's Republic of China ~72: LI, Jie;WANG, Feng;YANG, Dongkai~

2024/03937 ~ Complete ~54:INTELLIGENT COHORTS FOR NETWORK CONTENT DELIVERY ~71:Netsweeper (Barbados) Inc., L'Horizon, Gunsite Road, BRITTONS HILL, ST. MICHAEL, BARBADOS, Barbados ~72: ROACH, Perry J.;ROBB, John;WELLS, Geoffrey~ 33:US ~31:63/274,823 ~32:02/11/2021

2024/03941 ~ Complete ~54:HERBICIDAL PYRAZOLE PYRIMIDINE COMPOUNDS ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: DALE, Suzanna Jane;ELVES, Philip Michael;MORRIS, James Alan;WATKIN, Samuel Vaughan~ 33:GB ~31:2117474.3 ~32:03/12/2021

2024/03947 ~ Complete ~54:AN INTERACTIVE ARTIFICIAL INTELLIGENCE-BASED RESPONSE LOOP TO A CYBERATTACK ~71:Darktrace Holdings Limited, Maurice Wilkes Building, St John's Innovation Park, CAMBRIDGE CB4 0DS, UNITED KINGDOM, United Kingdom ~72: DUNN, Matt;FELLOWS, Simon;STOCKDALE, Jack~ 33:US ~31:63/281,978 ~32:22/11/2021

2024/03949 ~ Complete ~54:GENE CHIP, MOLECULAR PROBE COMBINATION, KIT AND APPLICATION FOR ANALYZING SHEEP FAT TAIL ~71:CHINA AGRICULTURAL UNIVERSITY, Yuanminyuan West Road No. 2, Haidian District, People's Republic of China ~72: LI, Menghua;LI, Xin;LUO, Lingyun;LV, Fenghua;YANG, Ji~ 33:CN ~31:202110822385.X ~32:21/07/2021

2024/03910 ~ Provisional ~54:GOLF TEE ~71:CILLIERS, Petrus Jacobus Johannes, Farm Klipspruit, Entabeni Private Game Reserve, Haakdoring Rd, Sterkrivier, South Africa;DE BEER, Nelrè, 1001 Bassoon Avenue, Mayers Estate No 35, Radiokop, South Africa;OOSTHUIZEN, Hendrik Jacobus, 1001 Bassoon Avenue, Mayers Estate No 35, Radiokop, South Africa ~72: CILLIERS, Petrus Jacobus Johannes;DE BEER, Nelrè;OOSTHUIZEN, Hendrik Jacobus~

2024/03911 ~ Provisional ~54:DRILLING MACHINE ~71:PETRUS HENDRIK ROODT, Plot 67, Michael Road, Oaktree, Krugersdorp, Gauteng, 1739, South Africa;ROBERT CHARLES GRADIDGE, 12 Kleim Street, Carletonville, 2499, South Africa ~72: PETRUS HENDRIK ROODT~

2024/03919 ~ Complete ~54:NUCLEIC ACIDS ENCODING ANCHOR MODIFIED ANTIBODIES AND USES THEREOF ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, United States of America ~72: GROMADA, Jesper;MASTAITIS, Jason;MCWHIRTER, John;MURPHY, Andrew, J.;VORONINA, Vera~ 33:US ~31:63/129,893 ~32:23/12/2020;33:US ~31:63/219,402 ~32:08/07/2021

2024/03927 ~ Complete ~54:DETECTION SYSTEM OF RIVER BOUNDARY BASED ON GNSS BI-SAR ~71:HANGZHOU INTERNATIONAL INNOVATION INSTITUTE, BEIHANG UNIVERSITY, CHINA, 166 Shuanghongqiao Street, Pingyao Town, Yuhang District, People's Republic of China ~72: WANG, Feng;YANG, Dongkai;YANG, Pengyu~

2024/03936 ~ Complete ~54:METHODS AND COMPOSITIONS FOR PROTEIN EXPRESSION AND CELL DIFFERENTIATION ~71:Uncommon Bio Limited, Unit 2 Cambridge Technopark, Newmarket Road, CAMBRIDGE CB5 8PB, CAMBRIDGESHIRE, UNITED KINGDOM, United Kingdom ~72: FARAM, Ruth Helen;NIGMATULLIN, Rinat~ 33:GB ~31:2116867.9 ~32:23/11/2021

2024/03948 ~ Complete ~54:A SECOND-GENERATION B1-CLASS MEDIUM AND HIGH VOLTAGE CABLE FOR URBAN PUBLIC FACILITIES AND A MANUFACTURING METHOD THEREOF ~71:Anhui Guodian Cable Co., Ltd., No. 1, Yaogou Industrial Zone, Wuwei County, Wuhu City, Anhui Province, 238300, People's Republic of China ~72: Benguo Xiao;Huacai Lu;Jiangang Gao;Jing Tao;Liqun He;Wengen Gao;Xiaobao Huang;Xiaolong Tang;Xinxin Guo;Yiming Yuan;Yunfei Li~ 33:CN ~31:202310625999.8 ~32:30/05/2023

2024/03914 ~ Provisional ~54:A VEHICLE COOKING AND/OR HEATING SYSTEM AND ASSOCIATED METHODS ~71:The Trustees for the time-being of Gutzeit Family Trust, 28 District Road, Oslo Beach, Port Shepstone, 4240, SOUTH AFRICA, South Africa ~72: GUTZEIT, Desmond George~

2024/03921 ~ Complete ~54:BLOCKCHAIN-BASED SECURITY SERVICE NEGOTIATION MECHANISM AND METHOD BETWEEN SDN DOMAINS ~71:Zhengzhou University of Technology, No. 3, Yingbin Road, Huiji Dist., Zhengzhou, Henan, People's Republic of China ~72: Jihai Huang;Wei Wang;Yingying Ma;Yu Su;Yuchan Wang;Zhaocheng Wang;Zili Xu~ 33:CN ~31:2023113848380 ~32:25/10/2023

2024/03931 ~ Complete ~54:A LIGHTWEIGHT CONSTRUCTION ELEMENT ~71:SAINT-GOBAIN PLACO, Tour Saint-Gobain 12 place de l'Iris, France ~72: S, Vikram;SAMINATHAN, Kanakavel~ 33:IN ~31:202141059748 ~32:21/12/2021

2024/03935 ~ Complete ~54:METHOD OF PROCESSING DATA FROM A SUPERVISED PRODUCTION ENVIRONMENT ~71:HEINEKEN SUPPLY CHAIN B.V., Tweede Weteringplantsoen 21, Netherlands ~72: BING, Xiaoyun;DEELEN, Willem Gerrit;MAAGD, Michiel Herman;PAVLOVIC, David;RAMIREZ, Ramon Marin~ 33:EP ~31:21210314.7 ~32:24/11/2021

2024/03943 ~ Complete ~54:NOVEL SQUASH PLANTS WITH DOWNY MILDEW RESISTANCE ~71:Syngenta Crop Protection AG, Rosentalstrasse 67, BASEL 4058, SWITZERLAND, Switzerland ~72: COOK, Kevin;PADLEY, Les;RIZZOLATTI, Carine;SANDHU, Ajay~ 33:US ~31:17/539,392 ~32:01/12/2021

2024/03917 ~ Complete ~54:PROXIMITY DETECTION SYSTEM CAP LAMP ~71:MATRIX DESIGN GROUP, LLC, 5741 Prospect Drive, P. O. Box 1446, Newburgh, United States of America ~72: BENNETT, Justin;CIHOLAS, Mike;HAYFORD, Tracy;JONES, Ryan;LEMOND, Ben;MOORE, Timothy;PRYOR, Aric;WUNDERLICH, Paul~ 33:US ~31:18/515,708 ~32:21/11/2023

2024/03920 ~ Complete ~54:CLAMPING DEVICE FOR RARE EARTH SINTERING BOX ~71:Zhongxi Tianma New Material Technology Co., Ltd, 1000 Meters East of Maying Township Government, Liangshan County, Jining City, Shandong Province, 272600, People's Republic of China ~72: GAO, Xigui;LIANG, Zhaojing;LIN, Ping;MIAO, Zhenyu;QU, Sheng;SHANG, Chengle;SHI, Zhuangxiu;SUN, Minghua;SUN, Mingxia;YAN, Li;ZHAO, Shanqi~ 33:CN ~31:202311708171.5 ~32:12/12/2023

2024/03930 ~ Complete ~54:DEMOUNTING A HIGH PRESSURE GRINDING ROLLER ~71:WEIR MINERALS NETHERLANDS B.V., Egtenrayseweg 9, Netherlands ~72: ARTZ, Sander;GEUTJES, Dennis;OKOROKOV, Volodymyr;STEIJN, Bram;THIJSSSEN, Jos~ 33:GB ~31:2118704.2 ~32:21/12/2021

2024/03934 ~ Complete ~54:PATCH-PUMP ~71:REGENERON PHARMACEUTICALS, INC., 777 Old Saw Mill River Road, Tarrytown, New York, 10591, United States of America ~72: ALFRED MARINO;BRYAN C GRYGUS;DANIEL HALBIG;DAVID FARRAGE;JAN NORUP;JEFF MOORE;JEREMY MCNAMARA;JEREMY ODEGARD;ROSS KENYON;STEN NYGAARD;TREVOR LANGLEY;WAYNE PHILLIPS~ 33:US ~31:63/264,121 ~32:16/11/2021

2024/03942 ~ Complete ~54:A PROXIMITY STATUS OF EQUIPMENT ~71:Sandvik Mining and Construction Australia (Production/Supply) Pty Ltd, Level 5 / 135 Coronation Drive, MILTON 4064, AUSTRALIA, Australia ~72: MCCORMICK, Michael~ 33:EP ~31:21211664.4 ~32:01/12/2021

2024/03946 ~ Complete ~54:DRILLING COMPONENT ~71:Sandvik Mining and Construction Tools AB, SANDVIKEN 81181, SWEDEN, Sweden ~72: JANSSON, Tomas;NORDBERG, Anders~ 33:EP ~31:22154162.6 ~32:31/01/2022

2024/03950 ~ Complete ~54:GENE CHIP, MOLECULAR PROBE COMBINATION, KIT AND APPLICATION FOR ANALYZING MILK PRODUCTION PERFORMANCE OF SHEEP ~71:CHINA AGRICULTURAL UNIVERSITY, Yuanminyuan West Road No. 2, Haidian District, People's Republic of China ~72: LI, Menghua;LI, Xin;LUO, Lingyun;LV, Fenghua;YANG, Ji~ 33:CN ~31:202110822450.9 ~32:21/07/2021

- APPLIED ON 2024/05/22 -

2024/03993 ~ Complete ~54:METHODS OF USING AND CONVERTING RECOVERED RADIUM ~71:ExxonMobil Technology and Engineering Company, 22777 Springwoods Village Parkway, (EMHC-N1-4A-607), SPRING 77389, TX, USA, United States of America ~72: MUSALE, Deepak A.~ 33:US ~31:63/265,419 ~32:15/12/2021

2024/03980 ~ Complete ~54:MIXING DEVICE FOR MIXING AT LEAST ANODE EXHAUST GAS AND CATHODE EXHAUST GAS FROM A FUEL CELL STACK OF A FUEL CELL SYSTEM ~71:AVL LIST GMBH, Hans-List-Platz 1, Austria ~72: SCHLUCKNER, Christoph~ 33:AT ~31:A 50942/2021 ~32:25/11/2021

2024/03998 ~ Complete ~54:EXATECAN DERIVATIVES, LINKER-PAYLOADS, AND CONJUGATES AND THEREOF ~71:GENEQUANTUM HEALTHCARE (SUZHOU) CO., LTD., 5th Floor, Building D, No. 398, Ruoshui

Rd., Suzhou Industrial Park, Suzhou, Jiangsu, 215123, People's Republic of China ~72: BOYU ZHONG;GANG QIN;GUANGMING CHEN;MINGYU HU;PAUL H SONG;TONY YANTAO ZHANG~ 33:CN
~31:PCT/CN2021/130896 ~32:16/11/2021

2024/03978 ~ Complete ~54:SCHEDULING REQUEST AND RANDOM ACCESS TRIGGERING FOR SDT
~71:NOKIA TECHNOLOGIES OY, KARAKAARI 7, 02610 ESPOO, FINLAND, Finland ~72: KOSKINEN, Jussi-Pekka;TURTINEN, Samuli, Heikki;WU, Chunli~

2024/03990 ~ Complete ~54:FLAME RETARDANT AND SYNERGIST COMBINED FOR USE WITH
THERMOPLASTICS ~71:LANXESS Corporation, 111 RIDC Park West Drive, PITTSBURGH 15275, PA, USA,
United States of America ~72: HE, Qingliang;JACOBS, Patrick~ 33:US ~31:63/283,360 ~32:26/11/2021

2024/03991 ~ Complete ~54:USE OF COMBINATION THERAPY FOR TREATING CANCER ~71:Recurium IP
Holdings, LLC, 10275 Science Center Drive, Suite 200, SAN DIEGO 92121, CA, USA, United States of America
~72: BUNKER, Kevin Duane;DONATE, Fernando;HUANG, Peter Qinhuo;LI, Jiali;MA, Jianhui;SAMATAR, Ahmed
Abdi~ 33:US ~31:63/265,441 ~32:15/12/2021

2024/03986 ~ Complete ~54:HIGH PURITY HFO-*E*-1,3,3,3-TETRAFLUOROPROPENE (*TRANS*-HFO-1234ZE)
AND METHODS FOR PRODUCING SAME ~71:Honeywell International Inc., Intellectual Property Services
Group, 855 S. Mint Street, CHARLOTTE 28202, NC, USA, United States of America ~72: BEKTESEVIC,
Selma;CERRI, Gustavo;COHN, Mitchel;WANG, Haiyou~ 33:US ~31:63/285,541 ~32:03/12/2021;33:US
~31:18/071,610 ~32:29/11/2022

2024/03996 ~ Complete ~54:SWING TRAINING DEVICE ~71:Implus Footcare, LLC, 2011 T.W. Alexander Drive,
Box 13925, DURHAM 27709-3925, NC, USA, United States of America ~72: VIELMO, Tommaso~ 33:US
~31:63/275,153 ~32:03/11/2021

2024/04003 ~ Provisional ~54:TOKOSICKLE FEED ~71:Vonnice Baloyi, Erf 55 Blopemoort Village, South Africa
~72: Vonnice Baloyi~

2024/03992 ~ Complete ~54:MULTI-LAYER COATING SYSTEM FOR POLYCARBONATE SUBSTRATES
~71:Akzo Nobel Coatings International B.V., Christian Neefestraat 2, AMSTERDAM 1077 WW, THE
NETHERLANDS, Netherlands ~72: SMIT, Martijn Jelle~

2024/03982 ~ Complete ~54:TREATMENT OF FGG RELATED DISEASES AND DISORDERS ~71:EMPIRICO
INC., 4660 La Jolla Village Drive, Suite 100, United States of America ~72: BRUSE, Shannon;CAJES,
Brian;GOTTESMAN, Omri;LEWIS, David;ROZEMA, David;VEKICH, John~ 33:US ~31:63/286,393
~32:06/12/2021

2024/03965 ~ Complete ~54:AN AUXILIARY DEVICE FOR BONE TUMOR BIOPSY PUNCTURE ~71:The Fourth
Medical Center of the Chinese People's Liberation Army General Hospital, No. 51, Fucheng Road, Haidian
District, Beijing City, 100048, People's Republic of China ~72: Jiayi Yu;Lili Wu;Mingyu Yang;Weibo Liu;Wenhao
Hu;Xuesong Zhang;Yunfeng Wu~

2024/03979 ~ Complete ~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~ 33:ZA ~31:2021/08971 ~32:12/11/2021

2024/03984 ~ Complete ~54:INTELLIGENT SMOKE ALARM CIRCUIT ~71:Suzhou Tianzi Electronic Technology
Co., Ltd., Room 233, Building 1, No. 5 Wenzhi Road, Nanjiao, Chengxiang Town, Taicang City, Jiangsu Province,
215400, People's Republic of China ~72: CHEN, Shuai~

2024/03981 ~ Complete ~54:HYDROGEN GENERATION DEVICE ~71:HIDROGMAR ROS ROCA SLU, Crta. Bodegas de Perales Km 3.5, Spain ~72: ROCA ENRICH, Salvador~ 33:ES ~31:P202130995 ~32:22/10/2021

2024/03988 ~ Complete ~54:SHORT STATURE CORN PLANTS WITH IMPROVED SILAGE TRAITS ~71:Monsanto Technology LLC, 800 North Lindbergh Blvd., SAINT. LOUIS 63167, MO, USA, United States of America ~72: BARTEN, Ty;BOURDONCLE, William;CARGILL, Edward;HALL, Michael A.;KINSER, Joshua D.;LEMKE, Bryce;MALONEY, Joseph F.;MALONEY, Peter;MANJUNATH, Sivalinganna;PELLET, Jean-Luc;SLEWINSKI, Thomas L.~ 33:US ~31:63/283,080 ~32:24/11/2021;33:US ~31:63/323,476 ~32:24/03/2022

2024/03973 ~ Complete ~54:METHOD AND DEVICE FOR CONTINUOUS OPERATION OF FISCHER-TROPSCH SYNTHESIS CATALYST ~71:CHINA ENERGY INVESTMENT CORPORATION LIMITED, 22 XIBINHE ROAD, ANDING GATE, DONGCHENG DISTRICT, BEIJING 100011, CHINA, People's Republic of China;NATIONAL INSTITUTE OF CLEAN-AND-LOW-CARBON ENERGY, SHENHUA LOW CARBON 001 #POSTBOX, FUTURE SCIENCE & TECHNOLOGY PARK, CHANGPING DISTRICT, BEIJING 102209, CHINA, People's Republic of China ~72: BU, Yifeng;DU, Bing;FENG, Lihai;MEN, Zhuowu;TONG, Ruili;ZHAO, Yongming~

2024/03976 ~ Complete ~54:COALESCING MEDIA ~71:DONALDSON COMPANY, INC., 1400 WEST 94th STREET, BLOOMINGTON, MINNESOTA 55431, USA, United States of America ~72: HAUSER, Bradly, G.;JONES, Derek, O.;KAPOOR, Vijay, K.~ 33:US ~31:63/273,639 ~32:29/10/2021

2024/03989 ~ Complete ~54:HETERO-ATOM CONTAINING COMPOUNDS AND USES THEREOF ~71:Kumquat Biosciences Inc., 10770 Wateridge Circle, Suite 120, SAN DIEGO 92121, CA, USA, United States of America ~72: DEANE, Jonathan;LI, Liansheng;LIU, Yi;REN, Pingda;SO, Lomon;ZHU, Xiuwen~ 33:US ~31:63/282,614 ~32:23/11/2021;33:US ~31:63/406,215 ~32:13/09/2022

2024/03997 ~ Complete ~54:DELIVERY SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: SHERIDAN, James;SUTTON, Joseph Peter~ 33:GB ~31:2118849.5 ~32:22/12/2021

2024/03970 ~ Complete ~54:INFORMATIONALIZED SAFETY APPLICATION DEVICE FOR COMPUTER ~71:Yangjiang Polytechnic, 213 Dongshan Road, Jiangcheng District, Yangjiang City, Guangdong Province, 529599, People's Republic of China ~72: GUAN, Chengli;GUO, Xiaoying;YANG, Yue~

2024/03963 ~ Complete ~54:STEEL-GFRP STRIPS-UHPC LIGHTWEIGHT COMPOSITE BRIDGE STRUCTURE ~71:Hunan University of Technology, No. 88, Mount Taishan West Road, Tianyuan District, Zhuzhou City, Hunan Province, People's Republic of China ~72: CAO Lei;LUO Xiaochen;QU Zhangpeng;ZENG Dan;ZHANG Deng;ZHAO Chongning;ZHENG Hui~

2024/03985 ~ Complete ~54:ANTI-C2 ANTIBODIES AND USES THEREOF ~71:Kira Pharmaceuticals (Suzhou) Ltd., 507 A4 218 Xinghu Street, Suzhou Industrial Park, SUZHOU 215000, JIANGSU, CHINA (P.R.C.), People's Republic of China;The Trustees of the University of Pennsylvania, 3600 Civic Center Boulevard, 9th Floor, PHILADELPHIA 19104, PA, USA, United States of America ~72: FEI, Dongqiong;GULLIPALLI, Damodar;HU, Xiaoxia;JIANG, Bingbing;MIWA, Takashi;SATO, Sayaka;SONG, Wenchao;TSUI, Ping;XU, Yingying;ZHANG, Jianjun~ 33:IB ~31:2022/074995 ~32:29/01/2022

2024/03995 ~ Complete ~54:1,3,4,7-TETRAHYDRO-2H-PYRROLO [3',2':5,6] PYRIDO[2,3-B] [1,4] OXAZEPINE BC1-2 INHIBITORS ~71:AbbVie Inc., 1 North Waukegan Road, Ap34-2, NORTH CHICAGO 60064, IL, USA, United States of America ~72: BHAT, Vikram;BRADY, Patrick;DAI, Yujia;DOHERTY, George A.;GONG, Jianchun;JUDD, Andrew S.;SOUERS, Andrew J.;YU, Yiyun~ 33:US ~31:63/267,018 ~32:21/01/2022

2024/04001 ~ Complete ~54:OPTICAL SURFACE OF A HIGH-PRECISION METAL MIRROR WITH VERY LOW ROUGHNESS AND SHAPE DEFECT ~71:SAFRAN REOSC, Avenue de la Tour Maury, 91280, Saint-Pierre-du-Perray, France ~72: CÉDRIC JOSEPH;GUILLAUME FOUCAUD;JACQUES RODOLFO;JEAN-MARC MERCERON;THIERRY LAGRANGE~ 33:FR ~31:FR2112744 ~32:02/12/2021

2024/04002 ~ Complete ~54:ANTIMICROBIAL SYSTEM WITH INDOLE ALKALOID AND PHENOLIC ACID AND COMPOSITIONS COMPRISING THEM ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: BIJAN HARICHIAN;DEIDRE LEE MITCHELL;JOSE GUILLERMO ROSA;MATTHEW JOSEPH RIENZO~ 33:EP ~31:21217789.3 ~32:27/12/2021

2024/03956 ~ Complete ~54:METHOD FOR CONSTRUCTING MOFS ARTIFICIAL INTERFACE LAYER ON AZIB ANODE ~71:Huzhou College, No. 1 Xueshi Road, Wuxing District, Huzhou City, Zhejiang Province, 313000, People's Republic of China ~72: CHENG, Xiangyang;LI, Hongfeng;WANG, Qingyu;ZHONG, Yunlian~

2024/03972 ~ Complete ~54:TREATMENT OF WOOD WITH POLYORGANOSILOXANES ~71:ARCHROMA IP GMBH, Neuhofstrasse 11, Switzerland;GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN STIFTUNG ÖFFENTLICHEN RECHTS, Wilhelmsplatz 1, Germany ~72: EMMERICH, Lukas;HARBIG, Roland;LANG, Georg;MILITZ, Holger~ 33:EP ~31:21212937.3 ~32:07/12/2021;33:EP ~31:22171361.3 ~32:03/05/2022

2024/03977 ~ Complete ~54:METHOD AND APPARATUS FOR CARRIER AGGREGATION ~71:TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), SE-164 83 STOCKHOLM, SWEDEN, Sweden ~72: WANG, Min;ZHANG, Zhang~ 33:CN ~31:PCT/CN2021/127141 ~32:28/10/2021

2024/03953 ~ Provisional ~54:LOAD CARRYING HYDRAULIC TRANSFER UNIT ~71:Johannes Jacobus Naude, 12 Arend avenue, South Africa ~72: Johannes Jacobus Naude~

2024/03967 ~ Complete ~54:DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES ~71:Polaris Industries Inc., 2100 Highway 55, MEDINA 55340-9770, MN, USA, United States of America ~72: FREED, Erik S.~ 33:US ~31:15/267,942 ~32:16/09/2016

2024/03957 ~ Complete ~54:AIRBORNE WATER QUALITY SAMPLING AND FIXED DEPTH SEDIMENT SAMPLING METHOD FOR UNMANNED AERIAL VEHICLE ~71:Hainan Aerial Science and Technology Co, Ltd., Seventh floor, Building A, Scientific Research Office Building, Comprehensive Service Center, Yazhou Bay Deep Sea Science and Technology City, Yazhou District, Sanya City, Hainan Province, People's Republic of China;Hainan Tropical Ocean University, No.1 Yucai Road, Jiyang District, Sanya City, Hainan Province, People's Republic of China ~72: CHEN Hao;DU Jun;HUANG Hai;REN Yong;XIE Wei;ZHAO Kaifeng~

2024/03959 ~ Complete ~54:METHOD AND SYSTEM FOR VIRTUALLY COUPLED TRAIN SET CONTROL ~71:BEIJING JIAOTONG UNIVERSITY, No.3, Shangyuancun, Xizhimenwai, Haidian District, Beijing, 100044, People's Republic of China ~72: CHAI, Ming;LIU, Hongjie;LUO, Xiaolin;LV, Jidong;SU, Shuai;TANG, Tao~ 33:CN ~31:202310590156.9 ~32:23/05/2023

2024/03971 ~ Complete ~54:METHODS OF USING INTERLEUKIN-2 AGENTS ~71:THE CHILDREN'S HOSPITAL OF PHILADELPHIA, 3401 Civic Center Boulevard, United States of America;VISTERRA, INC., 275 2nd Avenue, 4th Floor, Waltham, United States of America ~72: BABCOCK, Gregory;HANCOCK, Wayne~ 33:US ~31:63/284,978 ~32:01/12/2021;33:US ~31:63/348,201 ~32:02/06/2022

2024/03987 ~ Complete ~54:AEROSOL DELIVERY SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: SUTTON, Joseph Peter~ 33:GB ~31:2118830.5 ~32:22/12/2021

2024/03968 ~ Complete ~54:DEVICE AND METHOD FOR IMPROVING ROUTE PLANNING COMPUTING DEVICES ~71:Polaris Industries Inc., 2100 Highway 55, MEDINA 55340-9770, MN, USA, United States of America ~72: FREED, Erik S.~ 33:US ~31:15/267,942 ~32:16/09/2016

2024/03994 ~ Complete ~54:PPARG INVERSE AGONISTS AND USES THEREOF ~71:CONG, Liqing, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;DAI, Danmei, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;Flare Therapeutics Inc., 215 First Street, Suite 150, CAMBRIDGE 02142, MA, USA, United States of America;HUANG, Yaohui, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;LI, Runyan, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;WADE, Peter, J-STAR Research, Inc., 3001 Hadley Road, Suite 1, SOUTH PLAINFIELD 07080, NJ, USA, United States of America;WANG, Fei, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;WANG, Xiaoyang, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China;ZHENG, Bo, WuXi STA Pharmaceutical Co., Ltd., 90 Delin Road, WaiGaoQiao Free Trade Zone, SHANGHAI 200131, CHINA (P.R.C.), People's Republic of China ~72: AUDIA, James E.;CONG, Liqing;DAI, Danmei;HUANG, Yaohui;LI, Runyan;STUCKEY, Jacob I.;WADE, Peter;WANG, Fei;WANG, Xiaoyang;WILSON, Jonathan E.;ZHENG, Bo~ 33:US ~31:63/274,596 ~32:02/11/2021;33:US ~31:63/347,671 ~32:01/06/2022

2024/03955 ~ Provisional ~54:PROCESS FOR FORMING A COMPOSITE ROLLER CASING ~71:ALIEN TUBE COMPANY (PTY) LTD., Unit 9a 7 Moller Road Germiston South, Ekurhuleni, Gauteng, 1401, South Africa ~72: ROBERT GERD EICHHORN~

2024/03962 ~ Complete ~54:AN ECO-FRIENDLY ELECTRONIC INFORMATION IDENTIFICATION DEVICE ~71:Zhejiang University, No. 866, Yuhangtang Road, Xihu District, Hangzhou City, Zhejiang Province, 310000, People's Republic of China ~72: Nan Zhuang~

2024/03952 ~ Provisional ~54:DASHSENS COMPREHENSIVE VEHICLE PASSENGER AND SECURITY ~71:Mogomotsi Boitse, 1027 Kutlwano Street, Pudimoe, South Africa ~72: Mogomotsi Boitse~

2024/03964 ~ Complete ~54:AN ELECTRONIC INFORMATION RECEIVER WITH EASY WIRING INSTALLATION ~71:Zhejiang University, No. 866, Yuhangtang Road, Xihu District, Hangzhou City, Zhejiang Province, 310000, People's Republic of China ~72: Nan Zhuang~

2024/03966 ~ Complete ~54:A METHOD AND SYSTEM FOR PHASE-LOCKED AND POWER ADJUSTMENT CONTROL IN AN INDUCTION HEATING POWER SUPPLY ~71:Guangdong IPST Technology Co.,Ltd, Room 1404, Building 18, Helenberg Garden, No.1 Lantang Fourth Road, Duanzhou District, Zhaoqing City (residential to commercial), People's Republic of China;Zhaoqing University, No. 55 Zhaoqing Avenue, Duanzhou District, Zhaoqing City, Guangdong Province, People's Republic of China ~72: Li Zefeng;Liang Hai;Xiao Chaoyu;Xiao Qijun~ 33:CN ~31:2023105813002 ~32:22/05/2023

2024/04000 ~ Complete ~54:WEAR ASSEMBLY FOR A BUCKET OF AN EXTRACTION OR WORKS MACHINE ~71:SAFE METAL, 2 place de Francfort 69003 Lyon, France ~72: FABRICE MARCHAND~ 33:FR ~31:FR2113016 ~32:06/12/2021

2024/03975 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING HUMAN HYALURONIDASE PH20 AND DRUG ~71:ALTEOGEN INC., 62, YUSEONG-DAERO, 1628BEON-GIL, YUSEONG-GU, DAEJEON 34054, REP OF KOREA, Republic of Korea ~72: KIM, Kyuwan;NAM, Ki Seok;PARK, Soon Jae;SONG, Hyung-Nam~ 33:KR ~31:10-2021-0146385 ~32:29/10/2021

2024/03958 ~ Complete ~54:METHOD FOR PREPARING H₂S BY DECOMPOSING ACID WASTE NEUTRALIZATION SLAG ~71:Kunming University of Science and Technology, Kunming University of Science and Technology, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: CAO, Yan;LI, Chen;LI, Jie;LI, Mantao;NING, Ping;SONG, Haoran;TIAN, Senlin;ZHANG, Linfeng;ZHAO, Qun~

2024/03974 ~ Complete ~54:PRECIPITATED SILICA, PROCESS FOR PRODUCTION THEREOF AND USE THEREOF ~71:EVONIK OPERATIONS GMBH, RELLINGHAUSER STRASSE 1-11, 45128 ESSEN, GERMANY, Germany ~72: LAMANN, Rainer;OCHENDUSZKO, Agnieszka;PANZ, Christian;WEHMEIER, Andre~ 33:EP ~31:21204753.4 ~32:26/10/2021

2024/03999 ~ Complete ~54:SLIDING CLOSURE FOR A METALLURGICAL VESSEL, AND AN EXCHANGEABLE SPOUT ~71:REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, Wienerbergstrasse 11, 1100, Vienna, Austria ~72: BEAT HEINRICH;GUIDO BAUMGARTNER~ 33:EP ~31:21215722.6 ~32:17/12/2021

2024/03954 ~ Provisional ~54:ON-SITE & OFF-SITE MONITORING APP ~71:Boitumelo Letsoalo, 6 visvanger, Birch acres, South Africa ~72: Maboke Boitumelo Kevin Sary~

2024/03969 ~ Complete ~54:CONNECTOR ASSEMBLY ~71:HUBBLE ENERGY (PTY) LTD, Unit 24, Woodbridge Business Park, 452 Koeberg Road, Milnerton, South Africa ~72: DE LANGE, Cornelius~ 33:ZA ~31:2023/05487 ~32:22/05/2023

2024/03983 ~ Complete ~54:MEASURING APPARATUS AND MEASURING METHOD FOR HOISTING OF ASSEMBLY TYPE BUILDING ~71:ANHUI UNIVERSITY OF SCIENCE AND TECHNOLOGY, No. 9 Donghua Road, Fengyang County, Chuzhou, Anhui, 233100, People's Republic of China;CCCC WATER TRANSPORTATION CONSULTANS CO., LTD., 28 Guozijian Street, Dongcheng District, Beijing, 100000, People's Republic of China ~72: Jian ME;Juan CHEN;Lei ZHANG;Xin ZHANG;Xingliang, JIANG;Yi HAN;Yuanbing, ZHANG;Yue SUN~ 33:CN ~31:202410293420.7 ~32:14/03/2024

2024/03960 ~ Complete ~54:SOLAR BATTERY CHARGING INCORPORATING MINIBUS ~71:Daniel Petrus GROENEWALD, Habi Park 10, Erasmus Street, Wilkoppies, South Africa ~72: Daniel Petrus Groenewald~ 33:ZA ~31:2023/09887 ~32:24/10/2023

2024/03961 ~ Complete ~54:SOLAR BATTERY CHARGING INCORPORATING MINIBUS ~71:Daniel Petrus GROENEWALD, Habi Park 10, Erasmus Street, Wilkoppies, South Africa ~72: Daniel Petrus Groenewald~ 33:ZA ~31:2023/09887 ~32:24/10/2023

- APPLIED ON 2024/05/23 -

2024/04010 ~ Provisional ~54:FINANCIAL INSTRUMENT FOR PRODUCTION CAPACITY FINANCING ~71:BAYLIS, Dudley Edward, Plot 112, Mnandi Road, Diepsloot Agricultural Holdings, South Africa ~72: BAYLIS, Dudley Edward~

2024/04012 ~ Complete ~54:TOUGHENED CEMENT FOR SHALE GAS WELL WITH HIGH TEMPERATURE AND PRESSURE RESISTANCE AND PREPARATION METHOD THEREOF ~71:CNBM Zhongyanyi Technology Co., Ltd., No. 1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, People's Republic of China;China Building Materials Academy Co., Ltd., No. 1 Guanzhuang Dongli, Chaoyang District, Beijing, 100024, People's Republic of China;China National Building Material Group Co., Ltd., Building 2, Guohai Plaza, No. 17 Fuxing Road, Haidian District, Beijing, 100036, People's Republic of China ~72: Ao LIU;Guanbao TANG;Guang YAO;Kunyue ZHANG;Min WANG;Mingming SUN;Suihua GUO;Wen HUANG;Xianbin WANG;Xianshu GAO;Xiao ZHI;Xin SHEN;Yang YU;Yirui LI;Yun LIU;Zhajun WEN~ 33:CN ~31:202310801515.0 ~32:03/07/2023

2024/04025 ~ Complete ~54:SYSTEM AND METHOD FOR SUPPORTING ELEVATED POWER RAILS
~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, Denison, Texas, 75020, United States of America ~72: IGOR STRASHNY~ 33:US ~31:17/563,339 ~32:28/12/2021

2024/04022 ~ Complete ~54:A STEAM FIXATION AND STAINING DEVICE FOR CHROMOSOME SLIDES USED IN THE FIXATION AND STAINING OF CHROMOSOMES ~71:Leshan Normal University, No. 778 Binhe Road, Shizhong District, Leshan City, Sichuan Province, People's Republic of China ~72: Fan Jing;Feng Peng;Fu Qinchao;Liang Zi;Liu Fang;Xu Gaoyu~ 33:CN ~31:2024105186265 ~32:28/04/2024

2024/04026 ~ Complete ~54:SYSTEM AND METHOD FOR SUPPORTING ELEVATED POWER RAILS
~71:CATERPILLAR GLOBAL MINING EQUIPMENT LLC, 3501 N. FM Hwy 1417, Denison, Texas, 75020, United States of America ~72: IGOR STRASHNY~ 33:US ~31:17/563,339 ~32:28/12/2021

2024/04030 ~ Complete ~54:SELF-ADAPTIVE THIN-FILM ELECTROMAGNETIC SHIELDING SCREEN
~71:CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, 3 rue Michel-Ange, France;SAFRAN ELECTRONICS & DEFENSE, 2 boulevard du Général Martial Valin, France;UNIVERSITE DE RENNES 1, 2 rue de Thabor CS 46510, France ~72: BESNIER, Philippe;CASTEL, Xavier;FOUREL, Patrice;LE PAVEN, Claire;TRICAS, Quentin~ 33:FR ~31:FR2111517 ~32:28/10/2021

2024/04004 ~ Provisional ~54:UNDERGROUND MOBILE COOLING ARRANGEMENT AND METHOD OF USING SAME ~71:M-TECH INDUSTRIAL (PTY) LTD., 24 Totius Street, Totiuspark, South Africa ~72: Viljoen, Dawie;van Antwerpen, Herman;van der Walt, Andre~

2024/04007 ~ Provisional ~54:SYSTEM AND METHOD FOR ENCRYPTING AND DECRYPTING DATA FILES
~71:IONOCO HOLDINGS LTD., Unit 7 Avenger Close, Chandler's Ford, United Kingdom ~72: ARROWSMITH, William;INGRAM, Simon Dominic;LINES, Mark Darren~

2024/04009 ~ Provisional ~54:A SYSTEM AND METHOD FOR PROVIDING A PRODUCT AND SERVICE TO A CELLPHONE USER ~71:IKAGENG MMETI, 72 Taita Falcon Street, South Africa;KGOTSO MASHEGO, 72 Taita Falcon Street, South Africa ~72: MASHEGO, Kgotso;MMETI, Ikageng~

2024/04023 ~ Complete ~54:METHOD FOR RECOVERING PLATINUM FROM PLATINUM/ALUMINIA CATALYST, AND LEACH-ING SYSTEM FOR PLATNUM ~71:China University of Petroleum-Beijing, 18, Fuxue Road, Changping District, People's Republic of China ~72: Fengshan YU;Guoyong HUANG;Jiawei WEN;Mingshuai WU;Tongjun SHEN;Wenjie ZHANG~ 33:CN ~31:202310597173.5 ~32:25/05/2023

2024/04027 ~ Complete ~54:AN OCCLUSAL DEVICE FOR GASTROSCOPY WITH THE FUNCTION OF SALIVA CONTAINMENT ~71:The First Hospital of Yulin, The First Hospital of Yulin , No. 59, Wenhua Road, Suide County, Yulin City, Shaanxi Province, 718000, People's Republic of China ~72: Ma Weixiong~

2024/04031 ~ Complete ~54:AEROSOL-GENERATING ARTICLE WITH PHOTOLUMINESCENT TAGGANT
~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel;MONNEY, Patrick Philippe~ 33:CN ~31:PCT/CN2021/126124 ~32:25/10/2021

2024/04045 ~ Complete ~54:COMPLEMENT FACTOR B-MODULATING COMPOSITIONS AND METHODS OF USE THEREOF ~71:ADARX PHARMACEUTICALS, INC., 5871 Oberlin Drive Suite 200 San Diego, California 92121, United States of America ~72: JEAN DA SILVA CORREIA;KIMBERLY FULTZ;RUI ZHU;SEAN STUDER;ZHEN LI;ZHIQING (JOEL) ZHOU~ 33:US ~31:63/283,177 ~32:24/11/2021;33:US ~31:63/287,952 ~32:09/12/2021;33:US ~31:63/302,976 ~32:25/01/2022;33:US ~31:63/339,873 ~32:09/05/2022

2024/04029 ~ Complete ~54:NOVEL FORMULATION OF AN ALMOND HULL-BASED TOPICAL EXTRACT COMBINED WITH HERBS IN TREATING SKIN-RELATED FUNGAL INFECTIONS, PSORIASIS, ECZEMA, AND ALOPECIA ARETA ~71:DR RADHEY SHAM, #255 C, SECTOR 51 - A, CHANDIGARH, 160047, India;DR SUNITA KUMARI, #255 C, SECTOR 51 - A, CHANDIGARH, 160047, India ~72: DR RADHEY SHAM;DR SUNITA KUMARI~ 33:IN ~31:202411001425 ~32:08/01/2024

2024/04038 ~ Complete ~54:USER INTERFACE FOR AEROSOL-GENERATING DEVICE AND SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: WOODCOCK, Dominic~ 33:GB ~31:2117071.7 ~32:26/11/2021

2024/04040 ~ Complete ~54:IRAK4 INHIBITORS ~71:AstraZeneca AB, SÖDERTÄLJE SE-151-85, SWEDEN, Sweden ~72: SCHIESSER, Stefan;TERSTIEGE, Ina~ 33:US ~31:63/267,956 ~32:14/02/2022

2024/04018 ~ Complete ~54:OMNI-DIRECTIONAL HIGH-RELIABILITY COMMUNICATION OF UNMANNED AERIAL VEHICLES BY USING THREE-DIMENSIONAL LDPC CODES ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Xiaoji Wei;Yanjun Ji;Yongqi Wang;Yuyang Ji~

2024/04020 ~ Complete ~54:AN ENTERPRISE MANAGEMENT PERFORMANCE EVALUATION METHOD BASED ON FUZZY COMPREHENSIVE EVALUATION ~71:Huainan Normal University, Huainan Normal University, Dongshan West Road, Tianjia'an District, Huainan City, Anhui Province, 232038, People's Republic of China ~72: Xueqing Wu~

2024/04048 ~ Complete ~54:MUTUAL AUTHENTICATION SYSTEM AND METHOD ~71:PEREZ GRANDE, Pedro, Tr. Dr. Gonzalez Alvarez, 2, 24350, Veguelina de Orbigó, Spain ~72: PEREZ GRANDE, Pedro;SUAREZ CORONA, Adriana Remedios~ 33:ES ~31:P202131005 ~32:26/10/2021

2024/04046 ~ Complete ~54:SIRP GAMMA ANTIBODIES AND USES THEREOF ~71:ELECTRA THERAPEUTICS, INC., 681 Gateway Boulevard, 3rd Floor, South San Francisco, California, 94080, United States of America ~72: ADAM DAVID ROSENTHAL;ALLEN GUO YANG CAI;EILEEN LINGSHU ROSE;SANDIP PANICKER~ 33:US ~31:63/277,966 ~32:10/11/2021

2024/04005 ~ Provisional ~54:METHODS FOR IMPROVING SOLUBILITY OF A PHARMACEUTICAL COMPOSITION ~71:JACQUES LUBBE, Plot S28, South Africa ~72: Jacques Lubbe~

2024/04032 ~ Complete ~54:MODULAR CONFIGURATION OF LAUNCH VEHICLE SYSTEM ~71:AGNIKUL COSMOS PRIVATE LIMITED, 910, Syndicate Bank Colony, Anna Nagar West Extension, India ~72: -, Syed Peer Mohamed Shah Khadri;RAVICHANDRAN, Srinath~ 33:IN ~31:202141039671 ~32:02/09/2021

2024/04036 ~ Complete ~54:STABLE AGRICULTURAL COMPOSITIONS ~71:Valent U.S.A. LLC, 4600 Norris Canyon Road, SAN RAMON 94583, CA, USA, United States of America ~72: CHEUNG, Tak Wai;ZHOU, Ke~ 33:US ~31:63/284,214 ~32:30/11/2021

2024/04024 ~ Complete ~54:GUIDE SYSTEM FOR A BALL JOINT ASSEMBLY OF THERMOSOLAR PLANTS ~71:COBRA INSTALACIONES Y SERVICIOS, S.A., Cardenal Marcelo Spinola, 10, Spain ~72: CANCHO VERA, José Carlos;CANCHO VERA, José Carlos~ 33:ES ~31:U202330915 ~32:26/05/2023

2024/04039 ~ Complete ~54:PRODUCING AC-225 USING GAMMA RADIATION ~71:University of Pittsburgh - of the Commonwealth System of Higher Education, 130 Thackeray Avenue, 1st Floor Gardner Steel Conference Center, PITTSBURGH 15260, PA, USA, United States of America;Westinghouse Electric Company LLC, 1000

Westinghouse Drive, Suite 141, CRANBERRY TOWNSHIP 16066, PA, USA, United States of America ~72: CONGEDO, Thomas V.;HEIBEL, Michael D.;LOPRESTI, Brian J.~ 33:US ~31:63/263,854 ~32:10/11/2021

2024/04042 ~ Complete ~54:PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: DANIELS, Christopher;ROTHWELL, Howard~ 33:GB ~31:2118826.3 ~32:22/12/2021

2024/04033 ~ Complete ~54:AEROSOL-GENERATING ARTICLE WITH TAGGANT ~71:PHILIP MORRIS PRODUCTS S.A., Quai Jeanrenaud 3, Switzerland ~72: BESSANT, Michel;BINASSI, Enrico;CANAL PONSICO, Anna~ 33:CN ~31:PCT/CN2021/126079 ~32:25/10/2021

2024/04043 ~ Complete ~54:POWDERED COSMETIC COMPOSITION ~71:UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: ANJING LOU;HASIBA BEKTO;JENNA CHRISTINE DOUTHIT;KAYLA MARIE KEMLER~ 33:EP ~31:21216563.3 ~32:21/12/2021

2024/04017 ~ Complete ~54:ADAPTIVE CONTROL HIGH TEMPERATURE TEST METHOD FOR TURBINE DISCS ~71:Jiaxing Vocational & Technical College, No. 547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314036, People's Republic of China ~72: Hongxin Wang;Junwei Zhang;YanJun Ji;Yongqi Wang~

2024/04014 ~ Complete ~54:A HELMET WITH ADJUSTABLE AIR SUPPLY ~71:Chuzhou University, No.1 Huifeng West Road, Nanqiao District, Chuzhou City, Anhui Province, People's Republic of China ~72: Cheng Jun;Feng Mingchun;Hu Dan;Yang Gui;Zhang Yongchun~

2024/04021 ~ Complete ~54:LOG SUPPORT ~71:GAP INVENTIONS (PTY) LTD, 26 Sandhoogte Street, South Africa ~72: JACO NEL~

2024/04028 ~ Complete ~54:A KIND OF ANTIMICROBIAL MULTI-LIGHT SOURCE MEAT INSPECTION TEST BENCH ~71:Henan University of Urban Construction, Longxiang Avenue, Xincheng District, Pingdingshan City, Henan Province, 467041, People's Republic of China ~72: Ai Fuzhen;Chen Yanyan;Guo Jing;Guo Yinlong;Li Bingbing;Li Leilei;Yang Jianyang;Ye Yanxin;Zhang Renqi;Zhu Tao~

2024/04034 ~ Complete ~54:METHOD FOR MANUFACTURING EXHAUST GAS PURIFICATION CATALYST DEVICE ~71:Cataler Corporation, 7800, Chihama, KAKEGAWA-SHI 4371492, SHIZUOKA, JAPAN, Japan ~72: OGA, Koji;OKADA, Hiroki;TAKAHASHI, Masaki~ 33:JP ~31:2021-190369 ~32:24/11/2021

2024/04008 ~ Provisional ~54:AN ACCESSORY FOR A HELMET ~71:Falencikowski, Antony Czeslaw, Unit 1, 5 Commisioner Street, South Africa ~72: Falencikowski, Antony Czeslaw~

2024/04013 ~ Complete ~54:METHOD FOR REPAIRING HEAVY METAL-CONTAMINATED SOIL AND INCREASING FERTILITY BY SPRAYING AND LEACHING WITH ALCOHOL WASTE MASH ~71:Kunming University of Science and Technology, Kunming University of Science and Technology, Chenggong District, Kunming City, Yunnan Province, 650500, People's Republic of China ~72: CAO, Yan;HUANG, Jianhong;LI, Chen;LI, Jie;LI, Mantao;NING, Ping;SONG, Haoran;TIAN, Senlin;XIE, Xin;ZHANG, Linfeng;ZHAO, Qun~

2024/04035 ~ Complete ~54:IMPROVED BEVERAGE PRODUCTION PROCESS ~71:DSM IP Assets B.V., Het Overloon 1, HEERLEN 6411 TE, THE NETHERLANDS, Netherlands ~72: BEVERS, Loes Elizabeth;WIJSMAN, Theodorus Adolf~ 33:EP ~31:21211367.4 ~32:30/11/2021

2024/04011 ~ Provisional ~54:INNOVATIVE PLASTIC BEVERAGE BOTTLE NECK AND CAP DESIGN WITH INTEGRATED ANTI-TAMPER MECHANISM ~71:Martin Johan Hempel, Martin Hempel, 138 Villiers Road, South Africa ~72: Martin Johan Hempel~

2024/04047 ~ Complete ~54: COSMETIC SWEAT MANAGEMENT COMPOSITIONS ~71: UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: JOANNE ELIZABETH STOCKTON; MARTIN PETER CROPPER; NEIL ROBERT FLETCHER; VERONIQUE SANDRINE MUNIER ~33: EP ~31: 21217085.6 ~32: 22/12/2021

2024/04016 ~ Complete ~54: AN ANALYTICAL DEVICE BASED ON DEEP LEARNING ~71: Jiaxing Vocational and Technical College, No.547, Tongxiang Avenue, Nanhu District, Jiaxing City, Zhejiang Province, 314001, People's Republic of China ~72: Haiping Jiang; Xinghuo Ye; Yifan Chen ~

2024/04006 ~ Provisional ~54: ELECTRICAL SWITCH CIRCUIT ~71: BATTERY ELECTRIC (PTY) LIMITED, 533 Malcolm Moodie Crescent, Jet Park, Boksburg, South Africa ~72: MOMBERG, Hein; VAN DER MERWE, Eugene Francois; VAN RENSBURG, Janine ~

2024/04015 ~ Complete ~54: TRANSGENIC METHOD OF BLATTARIA INSECTS ~71: Institute of Highland Forest Science, Chinese Academy of Forestry, Bailongsi, Panlong District, Kunming City, Yunnan Province, 650233, People's Republic of China ~72: CHEN, Hang; DING, Weifeng; LI, Xian; MA, Chenjing; ZHANG, Xin ~33: CN ~31: 202410338382.2 ~32: 25/03/2024

2024/04019 ~ Complete ~54: NEW TYPE OF HIGH CALORIFIC VALUE FECAL AND BIOMASS HYDROGEN PRODUCTION DEVICE ~71: Shaoquan Cheng, Bazilu Community, Zhangjiang Town, Taoyuan County, Changde, Hunan, People's Republic of China ~72: Shaoquan Cheng; Yuanjie Cheng ~33: CN ~31: 2024209896127 ~32: 09/05/2024

2024/04041 ~ Complete ~54: AEROSOL PROVISION DEVICE COMPRISING A RADIO FREQUENCY RECEIVER FOR POWER HARVESTING ~71: Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA, UNITED KINGDOM, United Kingdom ~72: AL-AMIN, Mohammed; BRUTON, Connor; MUSGRAVE, Damyn ~33: GB ~31: 2117822.3 ~32: 09/12/2021

2024/04037 ~ Complete ~54: PEPTIDE VACCINE ~71: Argonaut Therapeutics Limited, The Magdalen Centre Science Park, Robert Robinson Avenue, OXFORD OX4 4GA, UNITED KINGDOM, United Kingdom ~72: BARCZAK, Wojciech; CARR, Simon Mark; LA THANGUE, Nicholas ~33: GB ~31: 2117230.9 ~32: 29/11/2021

2024/04044 ~ Complete ~54: BAR COMPOSITION HAVING ENHANCED ANTIMICROBIAL ACTIVITY ~71: UNILEVER GLOBAL IP LIMITED, Port Sunlight, Wirral, Merseyside, CH62 4ZD, United Kingdom ~72: CONNOR PATRICK WALSH; MATTHEW FRED KUZNITZ; PAUL VINSKI; PREM CHANDAR ~33: EP ~31: 21217786.9 ~32: 27/12/2021

- APPLIED ON 2024/05/24 -

2024/04053 ~ Provisional ~54: DISCOUNT WATCHLIST PATENT ~71: Celani Ndlovu, 30 Boxer Road, Midrand Johannesburg, South Africa ~72: Celani Ndlovu ~

2024/04061 ~ Complete ~54: FRAUD DETECTION SYSTEM IN CASINO ~71: Angel Playing Cards Co., Ltd., 4600, Aono-cho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi ~33: JP ~31: 2015-163213 ~32: 03/08/2015; 33: JP ~31: 2015-206735 ~32: 01/10/2015

2024/04076 ~ Complete ~54: ASSEMBLY OF A CUP, LINER AND LID FOR A PAINT SPRAY GUN ~71: CHEMICAR EUROPE NV, Baarbeek 2 2070 Zwijndrecht, Belgium ~72: ALAIN MARCEL WAMBEKE; DIRK VAN DRIESSCHE; PIET JAN ERNST GREEVE ~33: BE ~31: 2021/5893 ~32: 18/11/2021

2024/04081 ~ Complete ~54:PHARMACEUTICAL COMPOSITION COMPRISING SALBUTAMOL ~71:Aptar France SAS, Lieudit Le Prieure, LE NEUBOURG 27110 , FRANCE, France ~72: PEYRON, Isabelle;ROSSI, Irene;SARRAILH, Ségolène~ 33:FR ~31:2113999 ~32:20/12/2021

2024/04054 ~ Provisional ~54:CANNABIS ROOT COMPLEXES: METHOD OF PREPARATION AND USE ~71:THE AZWI PHEROUSA UVHONA FAMILY TRUST, 16B Geekie Rd, Merrivale, Howick 3291, SOUTH AFRICA, South Africa ~72: OFHANI, Makhema~

2024/04063 ~ Complete ~54:SYSTEM, APPARATUS AND METHOD OF DETERMINING REFINED PETIOLE NUTRIENT VALUES BASED ON LEAF SPECTRAL DATA ~71:Dalhousie University, 6299 South Street, HALIFAX B3H 4H6, NOVA SCOTIA, CANADA, Canada ~72: ABUKMEIL, Reem;AL-MALLAHI, Ahmad Ali Falah;PINTO, Felipe Campelo Franca~ 33:US ~31:18/323,490 ~32:25/05/2023;33:US ~31:18/627,504 ~32:05/04/2024

2024/04068 ~ Complete ~54:INTELLIGENT MULTIPLE DATA TEST AND MEASUREMENT CIRCUIT ~71:Taicang Subo Information Technology Co., Ltd., Room 617, R&D Building, Entrepreneurship Park, No. 6 Beijing West Road, Loudong Street, Taicang, Suzhou City, Jiangsu Province, 215400, People's Republic of China ~72: SUN, Hui~

2024/04072 ~ Complete ~54:PESTICIDAL GENES AND METHODS OF USE ~71:AGBIOME, INC., P.O. Box 14069, Durham, North Carolina, 27709, United States of America ~72: FRANCOIS TORNEY;JESSICA PARKS;MELISSA WILLIAMS GRAY;REBEKAH DETER KELLY~ 33:US ~31:63/286,810 ~32:07/12/2021;33:US ~31:63/286,813 ~32:07/12/2021

2024/04084 ~ Complete ~54:CATALYST COMPOSITIONS AND PROCESSES FOR MAKING AND USING SAME ~71:ExxonMobil Chemical Patents Inc., 5200 Bayway Drive, BAYTOWN 77520, TX, USA, United States of America ~72: BAO, Xiaoying~ 33:US ~31:63/286,312 ~32:06/12/2021;33:US ~31:63/329,042 ~32:08/04/2022

2024/04058 ~ Complete ~54:A COMPUTER INFORMATION SECURITY STORAGE ANTI-THEFT DEVICE ~71:Anhui Vocational College Of Defense Technology, No.56 Meishan Middle Road, Lu'an City, Anhui Province, People's Republic of China ~72: Cai Zhengbao~

2024/04056 ~ Complete ~54:METHOD SUITABLE FOR RAINBOW TROUT FULL-FEMALE DIPLOID BREEDING ~71:Heilongjiang River Fisheries Research Institute, Chinese Academy of Fishery Sciences, NO.232 Hesong Street, Daoli District, Harbin, Heilongjiang Province, 150070, People's Republic of China ~72: GU Wei;HUANG Tianqing;LIU Enhui;WANG Gaochao;XU Gefeng~

2024/04078 ~ Complete ~54:CLEANING ROBOT AND MOTION CONTROL METHOD THEREOF ~71:LUO, Jichuan, NO. 55, LIXIN NO.2 COMMUNITY, People's Republic of China ~72: GAO, Xiongwei;LUO, Jichuan~ 33:CN ~31:202210112901.4 ~32:29/01/2022

2024/04051 ~ Provisional ~54:GROW TO SLEEP CUCUMBER FACE MASK ~71:Boitumelo Matshidiso Mocheke, 63C Carlward Luxury Apartments, Tamboti Road, South Africa;David Uwaoma, UNIT 792, Block 132, THE POLOFIELDS, South Africa ~72: Boitumelo Matshidiso Mocheke;David Uwaoma~ 33:ZA ~31:9309010297089 ~32:23/05/2024

2024/04086 ~ Provisional ~54:PEG BUDDY ~71:JOHANNES LODEWIKUS COETZEE, C/O QUEENHAVEN, 64 OUTSPAN RD, South Africa ~72: JOHANNES LODEWIKUS COETZEE~

2024/04055 ~ Complete ~54:NUMERICAL SIMULATION METHOD OF NUT SHELL CRUSHING BASED ON DISCRETE ELEMENT ~71:Tarim University, 1487 East Tarim Dadao, Alar City, Xinjiang Uygur Autonomous

Region, 843300, People's Republic of China ~72: CHEN Peiyu;FAN Xiuwen;MA Jiale;MAO Biqi;SU Gege;WANG Jianping;ZENG Yong;ZHANG Hong~

2024/04067 ~ Complete ~54:A SOUND RECEIVER WATCH FOR NON-SURGICAL HEARING AID
~71:WEHEAR INNOVATIONS PRIVATE LIMITED, 805 Supath Complex, Vijay Cross Road, Navrangpura,, India
~72: PATEL, Kanishka~ 33:IN ~31:202223032861 ~32:08/06/2022

2024/04075 ~ Complete ~54:INSECT NEUROPEPTIDE ANALOGUES ~71:SOLASTA BIO LIMITED, c/o
Davidson Chalmers Stewart 163 Bath Street, Glasgow, G2 4SQ, United Kingdom ~72: JULIAN ALEXANDER
THOMAS DOW;SHIREEN-ANNE DAVIES;YOUSEF ABUL-HAIJA~ 33:GB ~31:2117537.7
~32:03/12/2021;33:GB ~31:2208466.9 ~32:09/06/2022

2024/04083 ~ Complete ~54:A COMPONENT FOR AN ARTICLE FOR USE IN OR AS AN AEROSOL
PROVISION SYSTEM ~71:Nicoventures Trading Limited, Globe House, 1 Water Street, LONDON WC2R 3LA,
UNITED KINGDOM, United Kingdom ~72: GRISHCHENKO, Andrei;KABIRAT, Junior~ 33:GB ~31:2118180.5
~32:15/12/2021

2024/04057 ~ Complete ~54:MACHINE LEARNING-BASED SAP PREDICTION MODEL BUILDING METHOD,
DEVICE AND PRODUCT ~71:General Hospital of Xuzhou Mining Group, No. 32 Meijian Road, Quanshan
District, Xuzhou City, Jiangsu Province, 221006, People's Republic of China ~72: WANG, Kai~ 33:CN
~31:202410396122.0 ~32:02/04/2024

2024/04062 ~ Complete ~54:FRAUD DETECTION SYSTEM IN CASINO ~71:Angel Playing Cards Co., Ltd.,
4600, Aono-cho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi~ 33:JP ~31:2015-
163213 ~32:03/08/2015;33:JP ~31:2015-206735 ~32:01/10/2015

2024/04070 ~ Complete ~54:PHARMACEUTICAL KIT FOR PARENTERAL CO-ADMINISTRATION ~71:G2GBIO,
INC., 21 Uiryodanji-gil, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do 28161, Republic of Korea
~72: EUNYOUNG SEOL;GEONHO KIM;HEEYONG LEE;HYEJUNG JUNG;JAEMOOK CHOI;JEONGSU
BYUN;JINWOO LEE;JUHAN LEE~ 33:KR ~31:10-2021-0151652 ~32:05/11/2021;33:KR ~31:10-2022-0110883
~32:01/09/2022

2024/04074 ~ Complete ~54:NOVEL HDAC INHIBITORS AND THERAPEUTIC USE THEREOF ~71:TANGO
THERAPEUTICS, INC., 201 Brookline Ave, Suite 901, Boston, Massachusetts, 02215, United States of America
~72: DAVID GUERIN;JOHN P MAXWELL;XINYUAN WU~ 33:US ~31:63/285,558 ~32:03/12/2021

2024/04079 ~ Complete ~54:PERSONAL CARE COMPOSITIONS ~71:Colgate-Palmolive Company, 300 Park
Avenue, NEW YORK 10022, NY, USA, United States of America ~72: LEE, Jonghun;LI, Ningwei;MCANGEL,
Samuel~ 33:US ~31:63/285,308 ~32:02/12/2021

2024/04087 ~ Complete ~54:ELECTROLYSIS APPARATUS FOR THE PRODUCTION OF IRON WITH AN
IMPROVED IRON OXIDE SUPPLY DEVICE ~71:ARCELORMITTAL, 24-26, Boulevard d'Avranches, Luxembourg
~72: Hervé LAVELAINE DE MAUBEUGE~

2024/04064 ~ Complete ~54:FRAUD DETECTION SYSTEM IN CASINO ~71:Angel Playing Cards Co., Ltd.,
4600, Aono-cho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi~ 33:JP ~31:2015-
163213 ~32:03/08/2015;33:JP ~31:2015-206735 ~32:01/10/2015

2024/04069 ~ Complete ~54:HUMANIZED ANTI-DNAM-1 ANTIBODY ~71:TNAX BIOPHARMA CORPORATION,
1-1-1, Tennodai, Tsukuba-shi, Ibaraki, 3058575, Japan;UNIVERSITY OF TSUKUBA, 1-1-1, Tennodai, Tsukuba-
shi, Ibaraki, 3058577, Japan ~72: AKIRA SHIBUYA;FUMIE ABE;KAZUKO SHIBUYA;YUMI KANEMARU~

2024/04073 ~ Complete ~54:TUBE SHEET PROTECTION IN A PROCESS GAS WASTE HEAT BOILER
~71:TOPSOE A/S, Haldor Topsøes Allé 1, 2800, Kgs. Lyngby, Denmark ~72: LASSE JOEL LOWATER;SØREN
GYDE THOMSEN~ 33:EP ~31:21216924.7 ~32:22/12/2021

2024/04082 ~ Complete ~54:USES OF NON-SMALL CELL LUNG CANCER TARGET ARID1A AND INHIBITOR
THEREOF IN PREPARATION OF DRUG FOR TREATING LUNG CANCER ~71:The First Affiliated Hospital of
Bengbu Medical College, No.287 Changhuai Road, BENGBU 233000, ANHUI, CHINA (P.R.C.), People's
Republic of China ~72: CHEN, Fuliang;LIU, Fei;MA, Chao;WANG, Xiaojing;WU, Nan;XU, Lingling;ZHANG,
Linling;ZHOU, Hangtian~ 33:CN ~31:202111256243.8 ~32:27/10/2021

2024/04052 ~ Provisional ~54:DIGITAL WEIGHT/VOLUME SCALE FOR LPG CYLINDERS ~71:Raymond
Christopher McLellan, 40 Redwing Crescent, Yellowwood Park, South Africa ~72: Raymond Christopher
McLellan~ 33:ZA ~31:2023/11258 ~32:07/12/2023

2024/04060 ~ Complete ~54:FRAUD DETECTION SYSTEM IN CASINO ~71:Angel Playing Cards Co., Ltd.,
4600, Aono-cho, HIGASHIOMI-SHI 5270232, SHIGA, JAPAN, Japan ~72: SHIGETA, Yasushi~ 33:JP ~31:2015-
163213 ~32:03/08/2015;33:JP ~31:2015-206735 ~32:01/10/2015

2024/04065 ~ Complete ~54:MATERIALS AND METHODS FOR PREVENTING OR REDUCING TOXICITY TO
ORGANOPHOSPHATES AND OTHER TOXIC MATERIALS ~71:QUORUM INNOVATIONS, LLC, 2088
Hawthorne Street, Sarasota, United States of America ~72: BERKES, Eva, A.;GLINIEWICZ, Karol;HSIN, I-
Fang;LIAO, Yu-Hsien;MONSUL, Nicholas, T.~ 33:US ~31:63/276,091 ~32:05/11/2021;33:US ~31:63/335,336
~32:27/04/2022

2024/04066 ~ Complete ~54:COMPOUNDS AND USE THEREOF AS HDAC6 INHIBITORS ~71:AUGUSTINE
THERAPEUTICS, Gaston Geenslaan 1 3001 Leuven, Belgium ~72: CELANIRE, Sylvain;CURCIO, Michele;DOS
SANTOS CARVALHO, Joao Fernando;REIS PEDRO, Joana Catarina;ROMBOUITS, Frederik Jan
Rita;SENNHENN, Peter Christian~ 33:EP ~31:21217181.3 ~32:22/12/2021;33:EP ~31:21217182.1
~32:22/12/2021

2024/04071 ~ Complete ~54:METHOD AND SYSTEM ~71:ELVO3 PTY LTD, C/- Loewy Consulting Partners Pty
Ltd Suite 3 2A Mona Road, Darling Point, New South Wales, 2027, Australia ~72: CHRISTOPHER COLIN
STEPHEN~ 33:AU ~31:2021903667 ~32:16/11/2021;33:AU ~31:2022228148 ~32:08/09/2022

2024/04077 ~ Complete ~54:METHOD FOR PRODUCING LUBRICATING GREASES OF LITHIUM COMPLEX
SOAPS AND LITHIUM-CALCIUM COMPLEX SOAPS ~71:FUCHS SE, Einsteinstrasse 11, Germany ~72: Hans
Jürgen ERKEL;Olaf BINKLE;Torsten GOERZ~ 33:DE ~31:10 2021 133 469.1 ~32:16/12/2021

2024/04080 ~ Complete ~54:AN AUDIO APPARATUS AND METHOD OF OPERATION THEREFOR
~71:Koninklijke Philips N.V., High Tech Campus 52, EINDHOVEN 5656 AG, THE NETHERLANDS, Netherlands
~72: KOPPENS, Jeroen Gerardus Henricus~ 33:EP ~31:21204641.1 ~32:26/10/2021

2024/04049 ~ Provisional ~54:KINFOLK ~71:Tshepo Mafatle, Mabitleng Street, Meloding, South Africa ~72:
Tshepo Mafatle~

2024/04050 ~ Provisional ~54:ANTI-THEFT DEVICE ~71:STINGER ELECTRONICS (PTY) LIMITED, 326 Ellips
Street, Meyerspark, South Africa ~72: VAN DEN BERG, Bart~

2024/04059 ~ Complete ~54:PHARMACEUTICAL COMPOSITION CONTAINING ATORVASTATIN AND
EZETIMIBE ~71:PHARMAPLOT PRIVATE COMPANY, 40A KLEISTHENOUS STR., 15344 GERAKAS,
ATHENS, GREECE, Greece ~72: SRYRIDON, Mavrokordopoulos~

2024/04085 ~ Complete ~54:METHODS AND COMPOSITIONS FOR DISCOVERY OF RECEPTOR-LIGAND SPECIFICITY BY ENGINEERED CELL ENTRY ~71:The Board of Trustees of the Leland Stanford Junior University, Office of The General Counsel, Bldg 170, 3rd Flr, Main Quad, P.O. Box 20386, STANFORD 94305-2038, CA, USA, United States of America ~72: CHANG, Howard Y.;SATPATHY, Ansuman;SHI, Quanming;YU, Bingfei~ 33:US ~31:63/286,507 ~32:06/12/2021;33:US ~31:63/382,860 ~32:08/11/2022

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

Application Number	Assignor	Assignee
2008/00279	ABBOTT LABORATORIES	ABBOTT HOSPITALS LIMITED
2008/00279	ABBVIE BAHAMAS LTD	ABBVIE IRELAND UNLIMITED COMPANY
2008/00279	ABBVIE IRELAND UNLIMITED COMPANY	ABBVIE GLOBAL ENTERPRISES LTD.,
2022/08958	BELLUS HEALTH COUGH INC.	BELLUS HEALTH INC.
2022/08958	BELLUS HEALTH INC.	14245563 CANADA INC.
2022/08958	14245563 CANADA INC.	ID BIOMEDICAL CORPORATION OF QUEBEC
2022/08958	ID BIOMEDICAL CORPORATION OF QUEBEC	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 3) LIMITED
2023/04816	NOVO NORDISK RESEARCH CENTER GLADSAXE APS	NOVO NORDISK A/S
2022/08957	BELLUS HEALTH COUGH INC.	BELLUS HEALTH INC.
2022/08957	BELLUS HEALTH INC.	14245563 CANADA INC.
2022/08957	14245563 CANADA INC.	ID BIOMEDICAL CORPORATION OF QUEBEC
2022/08957	ID BIOMEDICAL CORPORATION OF QUEBEC	GLAXOSMITHKLINE INTELLECTUAL PROPERTY (NO. 3) LIMITED
2022/03550	HUHTAMAKI FOODSERVICE (SHANGHAI) LIMITED	HUHTAMAKI (GUANGZHOU) LIMITED
2022/06595	UNIVERSITY OF SOUTHAMPTON	VIRIDICO2 LIMITED
2022/06241	SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES	CHANGCHUN SANLI TECHNOLOGY CO., LTD.
2021/10549	SHANDONG ACADEMY OF PESTICIDE SCIENCES	WEIFANG NEW GREENING CO. LTD.
2022/10237	SHANDONG ACADEMY OF PESTICIDE SCIENCES	WEIFANG NEW GREENING CO. LTD.
2023/10627	CHANGCHUN JIANYE GROUP CO., LTD. HARBIN INSTITUTE OF TECHNOLOGY	CHANGCHUN RUNDE INVESTMENT GROUP CO., LTD CHANGCHUN JIANYE GROUP CO., LTD. HARBIN INSTITUTE OF TECHNOLOGY
2015/07722	GCL INTERNATIONAL S.A.R.L.	GUALA CLOSURES S.P.A.
2011/00396	GALAPAGOS NV	ALFASIGMA S.P.A.
2011/09386	GALAPAGOS NV	ALFASIGMA S.P.A.
2014/08882	GALAPAGOS NV	ALFASIGMA S.P.A.
2015/06706	ORION ENGINEERED CARBONS GMBH	ORION ENGINEERED CARBONS IP GMBH & CO. KG
2020/02996	BRANDENBURG (UK) LIMITED	PELSIS LIMITED
2021/09187	BRANDENBURG (UK) LIMITED	PELSIS LIMITED
2022/05957	CLAUDIA ANGELOU SINGH	CLAUDIA ANGELOU SINGH; TANIA MULLIGAN; ASHLEY JULIAN BOYCE MULLIGAN
2021/01898	UNIVERSITE DE NANTES	NANTES UNIVERSITE
2018/01265	UNIVERSITE DE NANTES	NANTES UNIVERSITE

Application Number	Assignor	Assignee
2008/09407	BHP BILLITON SA LTD	CONSOLIDATED NOMINEES (PTY) LTD
2021/03910	METSO OUTOTEC SWEDEN AB	METSO FINLAND OY
2019/03268	METSO SWEDEN AB	METSO MINERALS OY
2019/08330	METSO SWEDEN AB	METSO MINERALS OY
2020/07621	METSO SWEDEN AB	METSO MINERALS OY
2019/08318	METSO SWEDEN AB	METSO MINERALS OY
2019/08328	METSO SWEDEN AB	METSO MINERALS OY
2021/01233	METSO SWEDEN AB	METSO MINERALS OY
2019/08319	METSO SWEDEN AB	METSO MINERALS OY
2019/08327	METSO SWEDEN AB	METSO MINERALS OY
2019/08329	METSO SWEDEN AB	METSO MINERALS OY
2019/08007	METSO SWEDEN AB	METSO MINERALS OY
2020/05055	METSO SWEDEN AB	METSO MINERALS OY
2020/02585	METSO SWEDEN AB	METSO MINERALS OY
2020/03451	METSO SWEDEN AB	METSO MINERALS OY
2022/03837	BIOENE TECHNOLOGIES S.A.R.L.	SEA FURTHER S.A.R.L.
2018/05420	KIRUSA, INC.	AAWAAZ INC.
2008/07749	SIEMENS ENERGY INC.	LUMMUS TECHNOLOGY LLC
2011/06644	SURESTOP LIMITED	ADEY HOLDINGS (2008) LIMITED
2021/07693	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP UHDE GMBH
2021/07806	THYSSENKRUPP INDUSTRIAL SOLUTIONS AG	THYSSENKRUPP UHDE GMBH
2016/04977	GCL INTERNATIONAL S.A.R.L.	GUALA CLOSURES S.P.A.
2015/07722	GCL INTERNATIONAL S.A.R.L.	GUALA CLOSURES S.P.A.
2020/03416	UCL BUSINESS LTD	THE REGENTS OF THE UNIVERSITY OF MICHIGAN
2021/07493	KORTUC INC.	KORTUC JAPAN LLC
2023/07825	ONCORUS, INC.	ELEVATEBIO TECHNOLOGIES, INC.
2024/01737	UNIVERSITEIT ANTWERPEN	YUN NV
2022/06326	BIOGEN MA INC.	JI XING PHARMACEUTICALS HONG KONG LIMITED
2020/06132	RUGGLI PROJECTS AG	RUGGLI AG
2022/05726	OM PRAKASH GARG	CUPID LIMITED
2023/09357	EXSIENTIA AL LIMITED	CELGENE CORPORATION
2023/09421	EXSIENTIA AL LIMITED	CELGENE CORPORATION
2020/07869	SUDWOLLE GMBH & CO. KG and SUDWOLLE GROUP GMBH	SUDWOLLE GROUP GMBH
2021/04814	VILOX AB	VILOX SWEDEN AB
2021/04814	VILOX SWEDEN AB	VILOX SYSTEMS AB
2022/11893	AMPLIA THERAPEUTICS PTY LTD	AMPLIA THERAPEUTICS LIMITED
2015/08119	EUREKA! AGRESEARCH PTY LTD	ELDERS TOLL FORMULATION PTY LTD
2022/08987	TECHNISCHE UNIVERSITAT BERGAKADEMIE FREIBERG	THERMAL PROCESSING SOLUTIONS GMBH
2021/07805	FLOORING INDUSTRIES LIMITED, SARL	UNILIN BV
2022/04537	FLOORING INDUSTRIES LIMITED, SARL	UNILIN BV
2011/03232	FLOORING INDUSTRIES LIMITED, SARL	UNILIN BV
2022/02878	FLOORING INDUSTRIES LIMITED,	UNILIN BV

Application Number	Assignor	Assignee
	SARL	
2019/00146	FLUID ENERGY GROUP LTD.	DORF KETAL CHEMICALS FZE
2016/05550	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.
2009/09019	VLOK, JAN ABRAHAM	RWH HOLDINGS (PTY) LTD
	HENDERSON, ROY WALTER	
2013/03408	VLOK, JAN ABRAHAM	RWH HOLDINGS (PTY) LTD
	HENDERSON, ROY WALTER	
2020/02112	VLOK, JAN ABRAHAM	RWH HOLDINGS (PTY) LTD
	HENDERSON, ROY WALTER	
2017/06408	THE NEXT GENERATION TRUST IT 000287/2014 THE SEAFARERS TRUST, IT 3712/2006	RWH HOLDINGS (PTY) LTD
2019/04585	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	TOYOTA JIDOSHA KABUSHIKI KAISHA
2019/08118	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	TOYOTA JIDOSHA KABUSHIKI KAISHA
2019/05821	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	TOYOTA JIDOSHA KABUSHIKI KAISHA
2019/05143	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	TOYOTA JIDOSHA KABUSHIKI KAISHA
2019/03600	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	KONINKLIJKE PHILIPS N.V.
2019/06726	GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.	KONINKLIJKE PHILIPS N.V.
2022/12653	KUTTNER HOLDING GMBH & CO. KG	KUTTNER GMBH & CO. KG
2022/12653	KUTTNER GMBH & CO. KG	HATCH KUTTNER GMBH
2022/12654	KUTTNER HOLDING GMBH & CO. KG	KUTTNER GMBH & CO. KG
2022/12654	KUTTNER GMBH & CO. KG	HATCH KUTTNER GMBH
2021/01796	RUGGLI PROJECTS AG	RUGGLI AG
2022/09569	RUGGLI PROJECTS AG	RUGGLI AG
2023/06352	RUGGLI PROJECTS AG	RUGGLI AG
2015/03101	RUGGLI PROJECTS AG	RUGGLI AG
2018/00245	RUGGLI PROJECTS AG	RUGGLI AG
2020/06132	RUGGLI PROJECTS AG	RUGGLI AG
2021/01539	RUGGLI PROJECTS AG	RUGGLI AG
2022/10025	RUGGLI PROJECTS AG	RUGGLI AG
2016/00529	BASF CORPORATION	IQATALYST B.V.
2007/10745	HORIZON ORPHAN LLC	HORIZON THERAPEUTICS U.S. HOLDING LLC
2011/03339	HORIZON ORPHAN LLC	HORIZON THERAPEUTICS U.S. HOLDING LLC

Application Number	Assignor	Assignee
2011/07903	HORIZON ORPHAN LLC	HORIZON THERAPEUTICS U.S. HOLDING LLC
2017/00180	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.
2016/06452	INTERACTIVE INTELLIGENCE, INC.	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.
2016/06452	INTERACTIVE INTELLIGENCE, INC.	INTERACTIVE PURECLOUD, INC.
2016/06452	INTERACTIVE PURECLOUD, INC.	INTERACTIVE INTELLIGENCE CAAS, INC.
2016/06452	INTERACTIVE INTELLIGENCE CAAS, INC.	INTERACTIVE INTELLIGENCE HARDWARE, INC.
2016/06452	INTERACTIVE INTELLIGENCE HARDWARE, INC.	INTERACTIVE INTELLIGENCE GROUP, INC.
2016/06452	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.
2014/06474	INTERACTIVE INTELLIGENCE, INC.	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.
2014/06474	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.	INTERACTIVE PURECLOUD, INC.
2014/06474	INTERACTIVE PURECLOUD, INC.	INTERACTIVE INTELLIGENCE CAAS, INC.
2014/06474	INTERACTIVE INTELLIGENCE CAAS, INC.	INTERACTIVE INTELLIGENCE HARDWARE, INC.
2014/06474	INTERACTIVE INTELLIGENCE HARDWARE, INC.	INTERACTIVE INTELLIGENCE GROUP, INC.
2014/06474	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.
2015/02642	INTERACTIVE INTELLIGENCE, INC.	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.
2015/02642	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.	INTERACTIVE PURECLOUD, INC.
2015/02642	INTERACTIVE PURECLOUD, INC.	INTERACTIVE INTELLIGENCE CAAS, INC.
2015/02642	INTERACTIVE INTELLIGENCE CAAS, INC.	INTERACTIVE INTELLIGENCE HARDWARE, INC.
2015/02642	INTERACTIVE INTELLIGENCE HARDWARE, INC.	INTERACTIVE INTELLIGENCE GROUP, INC.
2015/02642	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.
2015/01229	INTERACTIVE INTELLIGENCE, INC.	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.
2015/01229	INTERACTIVE INTELLIGENCE MARKETPLACE, INC.	INTERACTIVE PURECLOUD, INC.
2015/01229	INTERACTIVE PURECLOUD, INC.	INTERACTIVE INTELLIGENCE CAAS, INC.
2015/01229	INTERACTIVE INTELLIGENCE CAAS, INC.	INTERACTIVE INTELLIGENCE HARDWARE, INC.
2015/01229	INTERACTIVE INTELLIGENCE HARDWARE, INC.	INTERACTIVE INTELLIGENCE GROUP, INC.
2015/01229	INTERACTIVE INTELLIGENCE GROUP, INC.	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.

CHANGE OF NAME IN TERMS OF REGULATION 39

Application Number	In the name of	New name
2019/06277	GENMAB HOLDINGS B.V.	GENMAB HOLDING B.V.
2023/04816	EMBARK BIOTECH APS	NOVO NORDISK RESEARCH CENTER GLADSAXE APS
2022/11161	CELLULAR BIOMEDICINE GROUP, INC.	ABELZETA INC.
2016/06571	TECHNIP E&C LIMITED	T.EN E&C LIMITED
2019/02597	TECHNIP FRANCE	TECHNIP ENERGIES FRANCE
2018/02642	TECHNIP FRANCE	TECHNIP ENERGIES FRANCE
2017/03882	TECHNIP E&C LIMITED	T.EN E&C LIMITED
2017/03572	TECHNIP E&C LIMITED	T.EN E&C LIMITED
2017/03548	TECHNIP E&C LIMITED	T.EN E&C LIMITED
2016/04268	TECHNIP E&C LIMITED	T.EN E&C LIMITED
2019/03268	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/03268	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08330	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08330	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/07621	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2020/07621	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08318	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08318	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08328	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08328	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2021/01233	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2021/01233	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08319	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08319	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08327	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08327	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08329	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08329	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2019/08007	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2019/08007	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/05055	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2020/05055	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/02585	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2020/02585	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2020/03451	METSO MINERALS OY	METSO OUTOTEC FINLAND OY
2020/03451	METSO OUTOTEC FINLAND OY	METSO FINLAND OY
2021/06519	GENOME OPINION, INC.	NOBO MEDICINE INC.
2016/05550	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.
2017/00180	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.
2016/06452	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.
2014/06474	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.

Application Number	In the name of	New name
2015/02642	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.
2015/01229	GENESYS TELECOMMUNICATIONS LABORATORIES, INC.	GENESYS CLOUD SERVICES, INC.

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

No records available

PATENT APPLICATIONS ABANDONED OR WITHDRAWN

Application Number	Not Open	Date
2023/06197	WITHDRAWN	02/05/2024

APPLICATION FOR THE RESTORATION OF A LAPSED PATENT UNDER SECTION 47 OF THE ACT

THE PATENTS ACT, No. 57 OF 1978

Notice is hereby given that **E-CIRCUIT MOTORS, INC**, whose address for service is **SPOOR & FISHER, 11 BYLS BRIDGE BOULEVARD, BUILDING 14, HIGHFELD EXT 73, CENTURION. PRETORIA** has applied to the registrar for the restoration of Patent No **2019/08028** entitled **PRE-WARPED ROTORS FOR CONTROL OF MAGNET-STATOR GAP IN AXIAL FLUX MACHINES**, dated **25/05/2018**, which lapsed on **25/05/2023** owing to the non-payment of the prescribed renewal fee.

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

Notice is hereby given that **E-CIRCUIT MOTORS, INC**, whose address for service is **SPOOR & FISHER, 11 BYLS BRIDGE BOULEVARD, BUILDING 14, HIGHFELD EXT 73, CENTURION. PRETORIA** has applied to the registrar for the restoration of Patent No **2019/08374** entitled **IMPROVED PLANAR COMPOSITE STRUCTURES AND ASSEMBLIES FOR AXIAL FLUX MOTORS AND GENERATORS**, dated **26/06/2018**, which lapsed on **26/06/2022** owing to the non-payment of the prescribed renewal fee.

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

Notice is hereby given that **SEQIRUS UK LIMITED**, whose address for service is **ADAMS & ADAMS, PRETORIA** has applied to the registrar for the restoration of Patent No **2012/08381** entitled **IMPROVED METHODS FOR PREPARING SQUALENE** dated **12/05/2011**, which lapsed on **12/05/2023** owing to the non-payment of the prescribed renewal fee.

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

Notice is hereby given that **SKHOSANA, JAPPIE, VINCENT** whose address for service is **HAHN & HAHN, PRETORIA** has applied to the registrar for the restoration of Patent No **2015/08904** entitled **ELECTRONIC PAYMENT SYSTEM AND METHOD**, dated **07/12/2015**, which lapsed on **07/12/2018** owing to the non-payment of the prescribed renewal fee.

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

THE PATENTS ACT, No. 57 OF 1978**VOLUNTARY SURRENDER OF A PATENT UNDER SECTION 64 (1), REGULATION 67 OF THE ACT**

No records available

APPLICATIONS TO AMEND SPECIFICATION

THE PATENTS ACT, 1978

APPLICATIONS TO AMEND SPECIFICATION

Applicant: Emmanuel Mokutu 1046 Mapetla Moefi Street; P.O. Tshiawelo 1818 Soweto. Request permission to amend the specification of letters patent no: **2016/08313** of **01/12/2016** for **DEPOSIT SYSTEM AND METHOD**.

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

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

Registrar of Patents

Applicant: LES LABORATOIRES SERVIER of RUE DE VERDUN, SURESNES CEDEX, 92284, FRANCE. Request permission to amend the specification of letters patent no: **2016/00667** of **29 JANUARY 2016** for **THERAPEUTICALLY ACTIVE COMPOUNDS AND THEIR METHODS OF USE**.

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

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

Registrar of Patents

Applicant: UNILEVER GLOBAL IP LIMITED of PORT SUNLIGHT, WIRRAL, MERSEYSIDE, CH62 4ZD, UNITED KINGDOM. Request permission to amend the specification of letters patent no: **2022/07392** of **04 JULY 2022** for **HYDRATABLE CONCENTRATED SURFACTANT COMPOSITION.**

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

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

Registrar of Patents

Applicant: RWE GENERATION NL B.V. of AMERWEG 1, 4931, NC GEERTRUIDENBERG, THE NETHERLANDS. Request permission to amend the specification of letters patent no: **2023/09457** of **10 OCTOBER 2023** for **WASTE DRYING.**

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

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

Registrar of Patents

Applicant: GENENTECH, INC. of 1 DNA WAY, SOUTH SAN FRANCISCO, CALIFORNIA, 94080-4990, UNITED STATES OF AMERICA. Request permission to amend the specification of letters patent no: **2022/06670** of **15 JUNE 2022** for **ANTI-LY6G6D ANTIBODIES AND METHODS OF USE.**

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

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

Registrar of Patents

Applicant: CIRCLETECH LIMITED Suite 3.01, 16 Berkeley Street London W1J 8DZ. Request permission to amend the specification of letters patent no: **2021/05343** of **28/07/2021** for **SYSTEM AND METHOD FOR OPERATING A GAS-POWERED STOVE WITH NETWORK-CONNECTED METERING.**

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

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

Registrar of Patents

Applicant: UNIVERSITY OF THE FREE STATE 205 Nelson Mandela Drive, Park West 9301 Bloemfontein UNIVERSITÄT ZÜRICH Prorektorat VNW, Rämistrasse 71 CH-8006 Zürich. Request permission to amend the specification of letters patent no: **2020/03102** of **26/05/2020** for **MULTINUCLEAR COMPLEXES AND THEIR PREPARATION.**

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

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

Registrar of Patents

Applicant: LORIA PRODUCTS LLC 3625 NW 82nd Avenue, Suite 402 Miami, Florida 33166. Request permission to amend the specification of letters patent no: **2020/01271** of **27/02/2020** for **HAIR IMPLANTS COMPRISING ENHANCED ANCHORING AND MEDICAL SAFETY FEATURES.**

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

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

Registrar of Patents

Applicant: SMS Switching (Pty) Ltd 330 Epsom Road, Northlands Industrial Park, Northriding 2194 Johannesburg. Request permission to amend the specification of letters patent no: **2016/03789** of **03/06/2016** for **METHOD FOR MANAGING USE OF A PARKING AREA.**

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

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

Registrar of Patents

Applicant: INTERNATIONAL BUSINESS MACHINES CORPORATION New Orchard Road Armonk, New York 10504. Request permission to amend the specification of letters patent no: **2019/02529** of **23/04/2019** for **PERFORM SIGN OPERATION DECIMAL INSTRUCTION.**

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

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

Registrar of Patents

INSPECTION OF SPECIFICATIONS

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

COPIES OF DOCUMENTS

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

Photocopies: **R1, 00 per page**

COMPLETE SPECIFICATIONS ACCEPTED AND ABRIDGEMENTS OR ABSTRACTS THEREOF

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

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

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

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

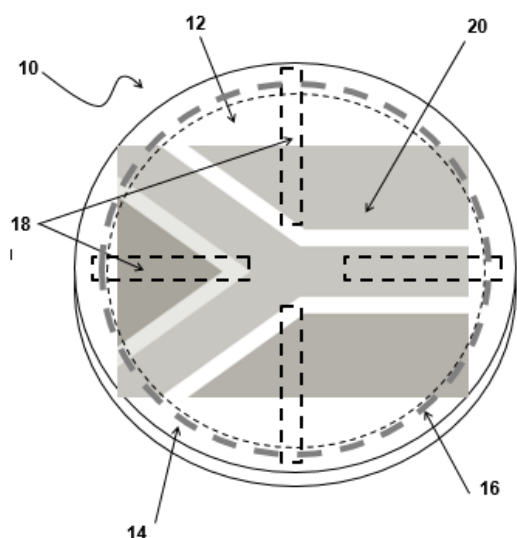
Registrar of Patents

21: 2014/09218. 22: 2014/12/15. 43: 2024/04/16
51: A61K
71: NALPROPION PHARMACEUTICALS LLC
72: KLASSEN, Preston, TAYLOR, Kristin
33: US 31: 61/656,451 32: 2012-06-06
54: METHODS OF TREATING OVERWEIGHT AND OBESITY
00: -
The present disclosure relates to compositions, kits, uses, systems and methods for treating overweight and obesity using naltrexone plus bupropion, preferably in combination with a comprehensive

web-based and/or telephone-based weight management program, and preferably in subjects at increases risk of adverse cardiovascular outcomes.

21: 2015/06022. 22: 2015/08/20. 43: 2024/04/22
51: H01Q
71: REZA ADAMS
72: REZA ADAMS
54: SATELLITE DISH COVER
00: -

This invention relates to a decorative cover for a satellite dish having opposed concave and convex surfaces. In particular, the invention relates to a satellite dish cover for a satellite dish having opposed concave and convex surfaces comprising a main body portion sized to fit the diameter of a satellite dish and a perimeter portion extending outwardly from the main body portion, the perimeter portion comprising a securing element for securing the satellite dish cover to the satellite dish and the body portion comprising an affixing means for affixing the body of the cover to the concave surface of the satellite dish.



21: 2016/02447. 22: 2016/04/11. 43: 2024/04/22
51: A61K

71: BOEHRINGER INGELHEIM VETMEDICA GMBH

72: LACZAY PETER

33: HU 31: P1300702 32: 2013-12-04

54: IMPROVED PHARMACEUTICAL COMPOSITIONS OF PIMOBENDAN

00: -

The present invention is directed to a composition comprising particles of pimobendan with an integral coating of a carrier matrix which serve to ensure a rapid dissolution of the active substance at each pH condition representing the gastrointestinal tract and therefore a reliable absorption, and a method of pimobendan microencapsulation using the spray congealing technology and incorporating the coated particles into oral formulations, for example into tablets.

21: 2016/02483. 22: 2016/04/12. 43: 2024/04/19
51: G03G

71: CANON KABUSHIKI KAISHA

72: SATO, Masaaki, KANNO, Kazuhiko, NISHIYA, Satoshi, YAMASHITA, Masatoshi

33: JP 31: 2013-253522 32: 2013-12-06

54: CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS

00: -

A process cartridge detachably mountable to a main assembly of an electrophotographic image forming apparatus, includes a rotatable photosensitive drum; a rotatable developing roller configured to develop image formed on the drum, the developing roller being capable of contacting to and spacing from the drum; an urging force receiving portion configured to receive, from a main assembly side urging member, an urging force for spacing the developing roller from the drum; a cartridge side drive transmission member capable of the coupling with a main assembly side drive transmission member and configured to receive, from the main assembly side drive transmission member, a rotational force for rotating the developing roller; and a decoupling member capable of urging the cartridge side drive transmission member by the urging force received by the urging force receiving portion to decouple the cartridge side drive transmission member from the main assembly side drive transmission member.

21: 2016/04967. 22: 2016/07/18. 43: 2024/05/14
51: A61M

71: BOEHRINGER INGELHEIM INTERNATIONAL GMBH

72: ADAMS, Patricia, FRANK, Marion, WACHTEL, Herbert

33: EP 31: 14001266.7 32: 2014-04-07

54: INHALATION TRAINING DEVICE AND SYSTEM FOR PRACTICING OF AN INHALATION PROCESS OF A PATIENT

00: -

The present invention relates to an inhalation training device and inhalation training system for practicing of an inhalation process of a patient. The inhalation training device comprises a housing attachable to and detachable from a mouthpiece of an inhaler designed to provide a drug to the patient and a microphone adapted to measure the airflow occurring in the mouthpiece of the inhaler during an

inhalation process of the patient. The inhalation training system comprises the inhalation training device, an inhaler and an electronic device configured for evaluation of a signal received from the inhalation training device and for visual and/or audio feedback to the patient.

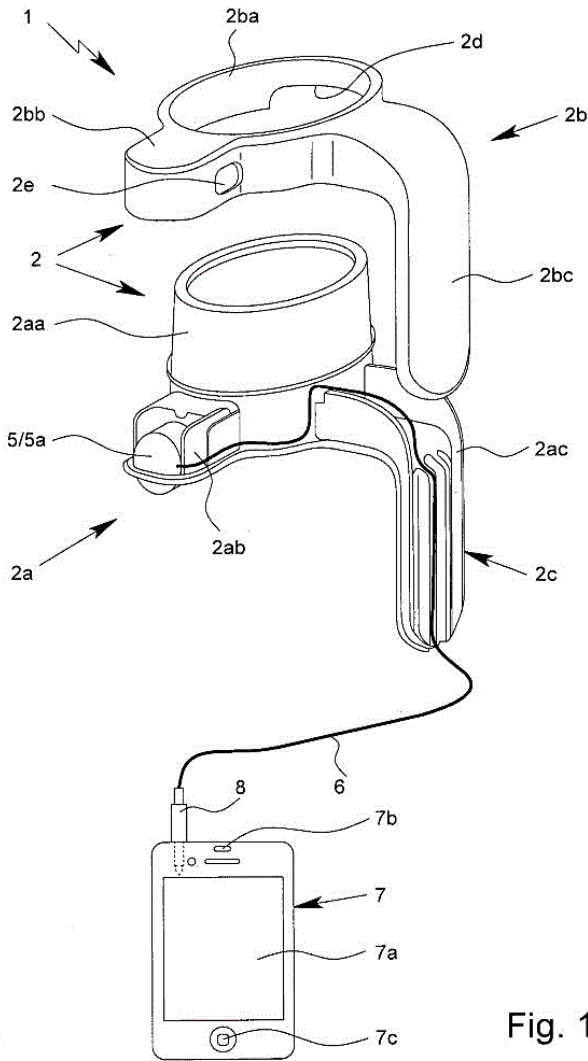
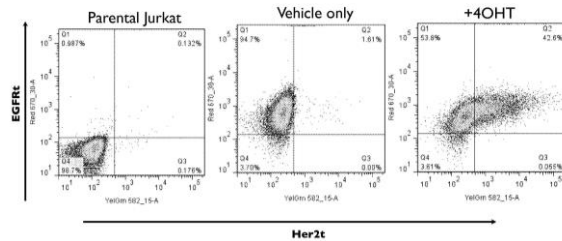


Fig. 1

21: 2016/07060. 22: 2016/10/13. 43: 2024/03/07
 51: C07K
 71: Seattle Children's Hospital (dba Seattle Children's Research Institute)
 72: JENSEN, Michael C.
 33: US 31: 61/977,751 32: 2014-04-10
54: DRUG RELATED TRANSGENE EXPRESSION
 00: -
 The present invention provides nucleic acids, vectors, host cells, methods and compositions to confer and/or augment immune responses mediated

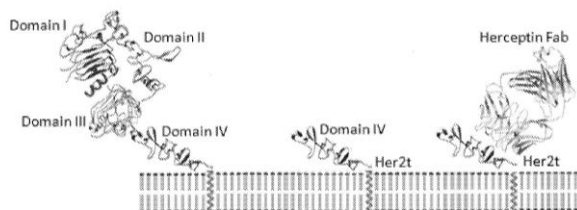
by cellular immunotherapy, such as by adoptively transferring CD8+ central memory T cells or combinations of central memory T cells with CD4+ T cells that are genetically modified to express a chimeric receptor under the control of an inducible promoter. In some alternatives the genetically modified host cell comprises a nucleic acid comprising a polynucleotide coding for a chimeric antigen receptor comprising a ligand binding domain, a polynucleotide comprising a spacer region, a polynucleotide comprising a transmembrane domain, and a polynucleotide comprising an intracellular signaling domain under the control of a drug inducible promoter. Controlling the expression of the chimeric receptor provides for the ability to turn expression on and off depending on the status of the patient. Pharmaceutical formulations produced by the method, and methods of using the same, are also described.



21: 2016/07061. 22: 2016/10/13. 43: 2024/03/07
 51: A61K; C07K
 71: Seattle Children's Hospital (dba Seattle Children's Research Institute)
 72: JENSEN, Michael C., JOHNSON, Adam
 33: US 31: 61/977,751 32: 2014-04-10
54: TRANSGENE GENETIC TAGS AND METHODS OF USE
 00: -

The present invention provides genetic tags operably linked to transgenes. The expression of the genetic tag allows identification, detection, selection, and ablation of cells expressing the transgene and the genetic tag. In some alternatives the genetically modified host cell comprises a transgene comprising a polynucleotide coding for a chimeric antigen receptor comprising a ligand binding domain, a polynucleotide comprising a spacer region, a polynucleotide comprising a transmembrane domain, and a polynucleotide comprising an intracellular signaling domain and a polynucleotide

coding for a genetic tag. In some alternatives the genetically modified host cell comprises a transgene comprising a polynucleotide coding for a chimeric antigen receptor comprising a ligand binding domain, a polynucleotide comprising a spacer region, a polynucleotide comprising a transmembrane domain, and a polynucleotide comprising an intracellular signaling domain and a polynucleotide coding for a genetic tag, and wherein the polypeptide further comprises a flexible linker comprising amino acids GGGSGGGS (SEQ ID NO: 45). Pharmaceutical formulations produced by the method, and methods of using the same, are also described.



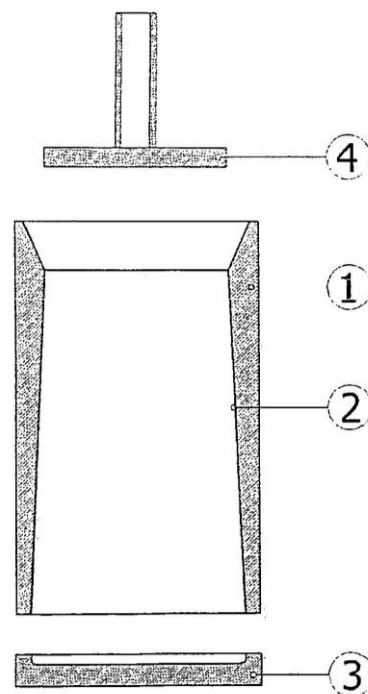
21: 2017/00572. 22: 2017/01/24. 43: 2024/03/06
 51: C07D; A61K; A61P
 71: LES LABORATOIRES SERVIER
 72: CAI, ZHENWEI, ZHOU, DING, KONTEATIS, ZENON D, POPOVICI-MULLER, JANETA, TRAVINS, JEREMY M, ZAHLER, ROBERT
 33: CN 31: PCT/CN2013/079200 32: 2013-07-11
54: THERAPEUTICALLY ACTIVE COMPOUNDS AND THEIR METHODS OF USE

00: -
 Provided are compounds useful for treating cancer and methods of treating cancer comprising administering to a subject in need thereof a compound described herein.

21: 2018/03549. 22: 2018/05/29. 43: 2024/03/11
 51: B29B; B29C; C09J
 71: Organik Kimya Sanayi Ve Tic. A.S.
 72: BENBANASTE, Viktor, ÖZTÜRK, Filiz, CALIK, Oguzhan, ALPER ER, Mahmut
 33: EP(TR) 31: 15003567.3 32: 2015-12-15
54: PROCESS FOR PRODUCING TACK-FREE HOTMELT MATERIAL AND DEVICE FOR PRODUCING THE SAME

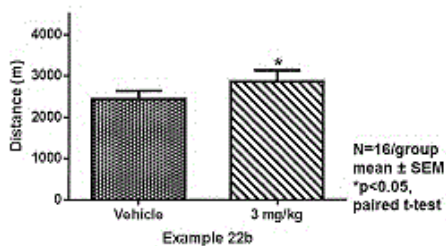
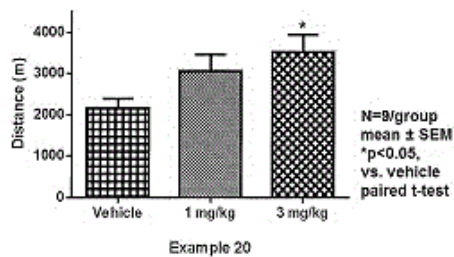
00: -
 The present invention relates to a process for producing a hot melt adhesive (HMA) material, preferably hot melt pressure sensitive adhesive

(HMPSA) material, having a substantially tack-free coating comprising a novel moulding and spraying step, wherein said HMA material, preferably HMPSA material, can be easily handled, packed and transported for further use. In addition, the present invention relates to a corresponding device for producing a hot melt adhesive (HMA) material, preferably hot melt pressure sensitive adhesive (HMPSA) material, having a substantially tack-free coating.



21: 2018/04947. 22: 2018/07/23. 43: 2024/03/05
 51: A61K; C07D
 71: CYTOKINETICS, INCORPORATED
 72: SATO, IPPEI, KAMIKUBO, TAKASHI, MIURA, MASANORI, MATSUSHIMA, YUJI, TANAKA, HIROAKI, SHIINA, YASUHIRO, YAMAKI, SUSUMU, SAITO, TOMOYUKI, KIYOHARA, HIROSHI, OHE, MUNEMICHI, MIHARA, KAYOKO, MORGAN, BRADLEY PAUL, MALIK, FADY, COLLIBEE, SCOTT EMILE, ASHCRAFT, LUKE, LU, PU-PING, WARRINGTON, JEFFREY MICHAEL, GARARD, MARC
 33: US 31: 62/285,039 32: 2016-02-12
54: TETRAHYDROISOQUINOLINE DERIVATIVES
 00: -
 Novel tetrahydroisoquinoline derivative compounds are disclosed herein that may be used as an active ingredient for a pharmaceutical composition, and in

particular, for a pharmaceutical composition useful for preventing or treating a disease or condition responsive to modulation of the contractility of the skeletal sarcomere. This may be accomplished, for example, by modulation of the troponin complex of the fast skeletal muscle sarcomere through one or more of fast skeletal myosin, actin, tropomyosin, troponin C, troponin I, and troponin T, and fragments and isoforms thereof. The tetrahydroisoquinoline derivative compounds can thus be used as an agent for preventing or treating 1) neuromuscular disorders, 2) disorders of voluntary muscle, 3) CNS disorders in which muscle weakness, atrophy, and fatigue are prominent symptoms, 4) muscle symptoms stemming from systemic disorders, and 5) dysfunctions of pelvic floor and urethral/anal sphincter muscle.



21: 2018/07811. 22: 2018/11/20. 43: 2024/04/17
51: A61K; A61P

71: NUCANA PLC

72: MCGUIGAN, Christopher (Deceased),
GRIFFITH, Hugh, PEPPER, Chris

33: GB 31: 1609600.0 32: 2016-06-01

54: CANCER TREATMENTS

00: -

Provided are medical uses and methods for targeting cancer stem cells employing ProTide compounds, particularly in the prevention or treatment of cancer. The ProTide may be other than one selected from the group consisting of: NUC-1031; a ProTide derived from cordycepin; and a ProTide derived from 8-chloroadenosine. The medical uses and methods for targeting cancer stem

cells are particularly useful in the treatment of relapsed or refractory cancer in human patients. The invention also provides methods of selecting patients who will benefit from prevention or treatment of cancer through the medical uses or methods of treatment of the invention.

21: 2018/08645. 22: 2018/12/20. 43: 2024/04/11
51: G05B

71: SCHENCK PROCESS EUROPE GMBH

72: SCHAEFER, Jan

33: DE 31: 10 2016 013 406.2 32: 2016-11-11

54: A METHOD OF OPERATING A CONDITION MONITORING SYSTEM OF A VIBRATING MACHINE AND A CONDITION MONITORING SYSTEM

00: -

In a method for operating a condition monitoring system (2, 2a, 2b, 2c) of a vibrating machine (1, 1a, 1b, 1c) in the form of a vibrating conveyor or a vibrating screen, it is provided that the condition monitoring system (2, 2a, 2b, 2c) comprises at least one sensor (12) designed for motion detection and / or acceleration detection, which is mounted on the vibrating machine (1, 1a, 1b, 1c), wherein a), the sensor (12) generates measurement data, which is further processed into characteristic values in a processing unit (13) associated with the sensor (12), b) the characteristic values are stored as a data set or a plurality of data sets, c) the data sets and / or the data sets expanded to include metadata are transferred to a data storage (6) and stored there, d) a knowledge base (8) for an expert system (10) is generated taking into account the information provided by the data sets and / or built on theoretical models, and e) the data sets are analyzed in the processing unit (13) of the latter machine or further vibrating machines (1, 1a, 1b, 1c) with the involvement of the expert system (10), wherein f), the processing unit (13) produces and / or displays a diagnosis and / or prognosis of an anomaly in the condition of the vibrating machine, a recommendation for a maintenance measure or an indication of a failure time of the vibrating machine. In addition, a condition monitoring system (2, 2a, 2b, 2c) for a vibrating machine (1, 1a, 1b, 1c) is provided which has at least one sensor (12) designed for measured value acquisition and one processing unit (13) for data acquisition and / or data archiving and /

or data analysis, wherein the condition monitoring system (2, 2a, 2b, 2c) comprises a display device which is provided to indicate a diagnosis of an anomaly of the vibrating machine (1, 1a, 1b, 1c) based on the data analysis, a recommendation for a maintenance measure or an indication of a failure time of the vibrating machine (1, 1a, 1b, 1c), wherein a connection is provided between the processing unit (13) of the condition monitoring system (2, 2a, 2b, 2c) and an external central data storage (6) which serves for generating an expert system (10) on the basis of the transferred data sets and / or theoretical models, such that the diagnosis, recommendation or indication based on the information / data from the expert system (10) takes place.

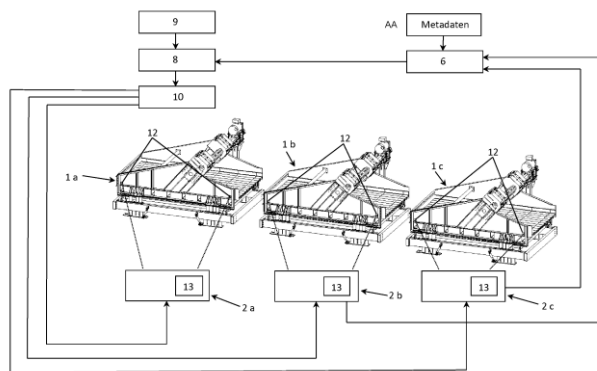


Fig. 3

AA Metadata

21: 2019/01591. 22: 2019/03/14. 43: 2024/04/18
 51: A61K; C07K
 71: REGENERON PHARMACEUTICALS, INC.
 72: HABER, Lauric, SMITH, Eric, KELLY, Marcus, KIRSHNER, Jessica, R., COETZEE, Sandra, CRAWFORD, Alison, NITTOLI, Thomas, LIU, Yashu
 33: US 31: 62/399,249 32: 2016-09-23
 33: US 31: 62/558,711 32: 2017-09-14

54: ANTI-MUC16 (MUCIN 16) ANTIBODIES

00: -
 Mucin 16 (MUC16) is highly expressed in ovarian cancer and expression on cancer cells is shown to protect tumor cells from the immune system. The present invention provides novel full-length human IgG antibodies that bind to human and MUC16 (monospecific antibodies). The present invention also provides novel bispecific antibodies (bsAbs) that bind to both MUC16 and CD3 and activate T

cells via the CD3 complex in the presence of MUC16-expressing tumors. According to certain embodiments, the present invention provides bispecific antigen-binding molecules comprising a first antigen-binding domain that specifically binds human and monkey CD3, and a second antigen-binding molecule that specifically binds human and monkey MUC16. In certain embodiments, the bispecific antigen-binding molecules of the present invention are capable of inhibiting the growth of tumors expressing MUC16. The bispecific antigen-binding molecules of the invention are useful for the treatment of diseases and disorders in which an upregulated or induced MUC16-targeted immune response is desired and/or therapeutically beneficial. For example, the bispecific antibodies of the invention are useful for the treatment of various cancers, including ovarian cancer. The present invention also includes anti-MUC16 antibody drug conjugates which inhibit tumor growth in vivo. In some embodiments, the anti-MUC16 antibodies are useful in diagnostic methods for identifying the presence of MUC16 in tissue and/or plasma samples

21: 2019/01924. 22: 2019/03/28. 43: 2024/04/25
 51: C07K

71: CHIA TAI TIANQING PHARMACEUTICAL GROUP CO., LTD.

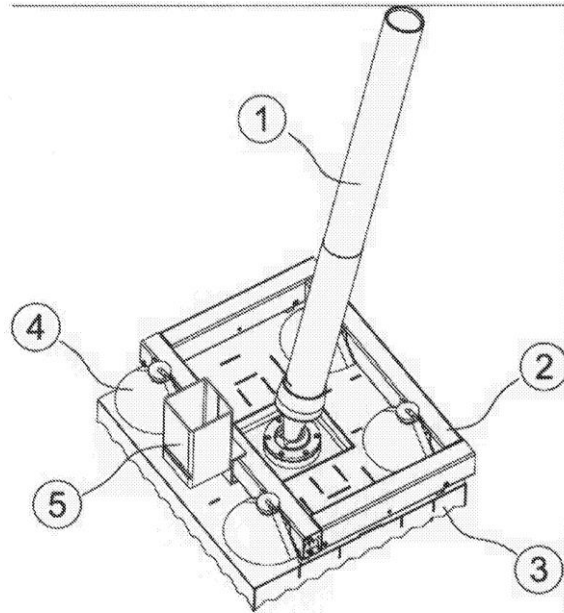
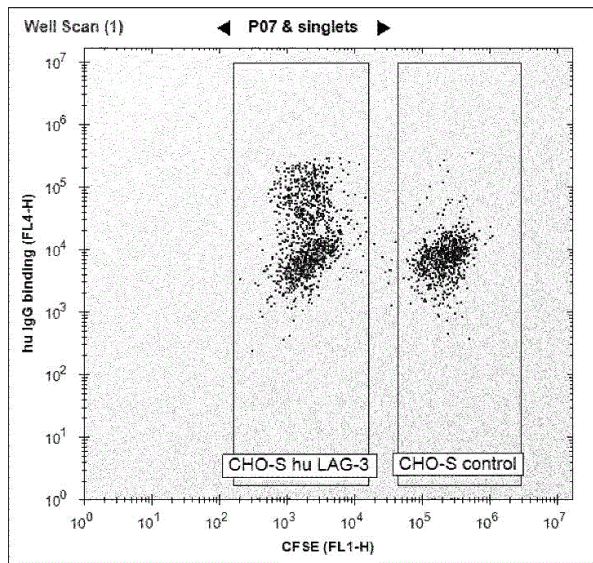
72: GRANDAL, Michael, Monrad, BHATIA, Vikram Kjølner, GJETTING, Torben, FRÖHLICH, Camilla, GALLER, Gunther, Roland, KRAGH, Michael, HORAK, Ivan, David, BOUQUIN, Thomas, PEDERSEN, Mikkel, Wandahl

33: US 31: 62/407,678 32: 2016-10-13

54: ANTI-LAG-3 ANTIBODIES AND COMPOSITIONS

00: -

This invention relates to anti-LAG-3 antibodies and methods of using them in treating diseases and conditions that benefit from modulating LAG-3 activity, e.g., cancer.



21: 2019/02528. 22: 2019/04/23. 43: 2024/01/31
51: F41A; F41F

71: NEW TECHNOLOGIES GLOBAL SYSTEMS,
S.L.

72: ESTRELLA MOLINA, Javier

54: DUAL BASE PLATE FOR TRANSFERRING FORCES TO THE GROUND FOR VEHICLE-MOUNTED MORTARS

00: -

A dual and omnidirectional mortar base to be used in mortar carrier vehicles comprising a bottom base plate coupled to a mortar and a top base plate; wherein the dual base plate is adapted to move along a movement path from a resting position associated with a position for transport of the vehicle, towards a work position associated with a firing position for the mortar, and vice versa. Likewise the dual base plate has elements for fast collection in the mortar carrier vehicle. The dual base plate consists of a bottom plate, a top plate and connection and repositioning elements between the two to facilitate the transfer of the forces generated by firing to the ground, insulating the mortar carrier vehicle from the forces generated by firing the mortar. The truncated cone shape of the hoppers allow the bottom plate to move in any direction in which the mortar is fired.

21: 2019/03327. 22: 2019/05/27. 43: 2024/04/30
51: A61K; C12N; C12Q

71: KEIO UNIVERSITY, THE UNIVERSITY OF TOKYO

72: HONDA Kenya, TANOUE Takeshi, HATTORI Masahira, KAWAKAMI Yutaka

33: US 31: 62/438793 32: 2016-12-23

33: US 31: 62/484607 32: 2017-04-12

33: US 31: 62/491062 32: 2017-04-27

33: US 31: 62/574446 32: 2017-10-19

54: COMPOSITIONS AND METHODS FOR THE INDUCTION OF CD8+ T-CELLS

00: -

Provided herein are compositions and methods for the induction and/or proliferation of CD8+ T-cells. The disclosure also provides methods of treatment of diseases that can be treated by the induction and/or proliferation of CD8+ T-cells.

21: 2019/04552. 22: 2019/07/11. 43: 2024/05/10
51: C05D; C05F

71: ZDROJE ZEME A.S.

72: MARYNČÁK, Miroslav, Miroslav, KRÁLIK, Peter

33: SK 31: PP 114-2016 32: 2016-12-22

33: SK 31: PUV 148-2016 32: 2016-12-22

54: BIOCARBON REGENERATION AND / OR FERTILIZER SUBSTRATE

00: -

Biocarbon regeneration and / or fertilizer substrate contains sheep manure in an amount of 20 to 80 wt% and carbonized biocarbon from biodegradable municipal waste and / or carbonized biocarbon from

wood waste in a total amount of 20 to 80 wt%.
Optionally, it further contains non-carbonized separation from industrial and / or plant production in an amount of up to 33 wt%.

21: 2019/06991. 22: 2019/10/23. 43: 2024/03/19
51: H04W

71: Huawei Technologies Co., Ltd.

72: GENG, Tingting, ZHANG, Hongping, ZENG, Qinghai

33: CN 31: 201710184879.3 32: 2017-03-24

54: COMMUNICATION METHOD AND DEVICE

00: -

The embodiments of the present application relate to the technical field of communications. Disclosed are a communication method and device, wherein the method comprises: a terminal determining that information about a first group of beams of a first cell meeting a measurement report reporting condition is different from information about a beam of the first cell comprised in a previous measurement report; and the terminal sending a first measurement report, the first measurement report comprising signal quality and identification information about a beam in the first group of beams or the first measurement report comprising the number of beams in the first group of beams or the first measurement report comprising identification information about a beam in the first group of beams. By means of the implementation of the present application, a terminal can timely report beam information meeting a condition to a base station, thereby facilitating timely switching to a beam meeting a condition, and preventing service interruption occurring in the terminal.

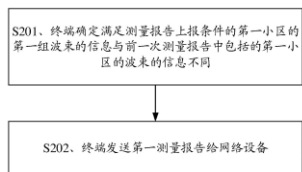


图 2

S201 A terminal determines that information about a first group of beams of a first cell meeting a measurement report reporting condition is different from information about a beam of the first cell comprised in a previous measurement report
S202 The terminal sends a first measurement report to a network device

21: 2019/07484. 22: 2019/11/12. 43: 2024/03/14
51: C07D A61K A61P

71: OTSUKA PHARMACEUTICAL CO., LTD.

72: READER, Michael, WILSHER, Nicola, Elizabeth, SAUNDERS, Mark, Henry, BAGULEY, Paul, Anthony, LINDLEY, Colin, Thomas, MELLING,

Robert, Craig, ADAMCZYK, Bozena, Ewa, SCARATI, Mirka

33: GB 31: 1706327.2 32: 2017-04-20

54: 6-PYRIMIDIN-ISOINDOLE DERIVATIVE AS ERK1/2 INHIBITOR

00: -

This invention relates to the compound (2R)-2-(6-{5-chloro-2-[(oxan-4-yl)amino]pyrimidin-4-yl}-1-oxo-2,3-dihydro-1 H-isoindol-2-yl)-N-[(1 S)-1-(3-fluoro-5-methoxyphenyl)-2-hydroxyethyl]propanamide, and in particular to novel physical forms of the compound, a process for preparing the compound and synthetic intermediates for use in the process, and novel formulations containing the compound, as well as therapeutic uses of the compound.

21: 2019/07613. 22: 2019/11/18. 43: 2024/04/10
51: A61K; C07K; A61P

71: ADC THERAPEUTICS SA, MEDIMMUNE LIMITED

72: FEINGOLD, Jay Marshall, UNGAR, David Rodney

33: GB 31: 1709440.0 32: 2017-06-14

33: GB 31: 1709444.2 32: 2017-06-14

33: GB 31: 1710494.4 32: 2017-06-30

33: GB 31: 1710495.1 32: 2017-06-30

33: GB 31: 1720542.8 32: 2017-12-08

33: GB 31: 1720543.6 32: 2017-12-08

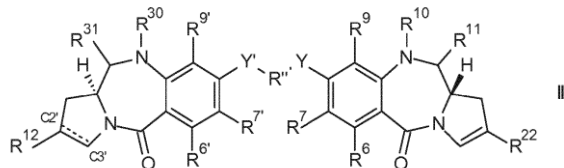
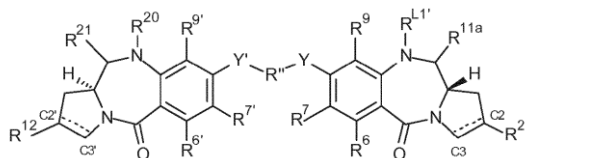
33: GB 31: 1802679.9 32: 2018-02-20

33: GB 31: 1808473.1 32: 2018-05-23

54: DOSAGE REGIMES FOR THE ADMINISTRATION OF AN ANTI-CD19 ADC

00: -

The present disclosure relates to the treatment of pathological conditions, such as cancer, with Antibody Drug Conjugates (ADCs). In particular, the present disclosure relates to administration of ADCs which bind to CD19 (CD19-ADCs).

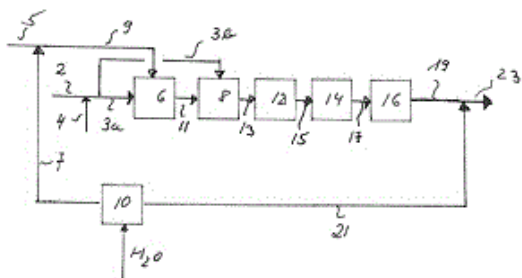


21: 2019/08174. 22: 2019/12/09. 43: 2024/03/05

51: C01B; C01C; C25B
 71: HALDOR TOPSØE A/S
 72: KRØLL JENSEN, ANNETTE E, HAN, PAT A
 33: DK 31: PA 2018 00237 32: 2018-05-28
 33: DK 31: PA 2017 00425 32: 2017-07-25
 33: DK 31: PA 2017 00522 32: 2017-09-25

54: METHOD FOR THE PREPARATION OF AMMONIA SYNTHESIS GAS

00: -
 Method for the preparation of ammonia synthesis gas based on a combination of autothermal reforming and electrolysis of water.

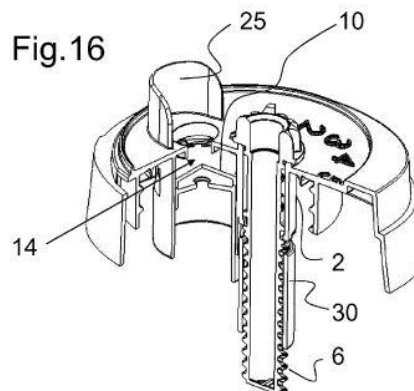


21: 2019/08265. 22: 2019/12/11. 43: 2024/04/12
 51: G01F
 71: CAPARTIS AG
 72: WOHLGENANT, Herbert
 33: EP 31: 17172085.7 32: 2017-05-19

54: DOSING DEVICE FOR A LIQUID SUPPLY WITH NECK

00: -
 The dosing device is intended for a neck for pouring defined amounts from a container or hose. The device consists of a spout attachment that can be screwed or pushed onto the neck and that optionally can be sealed by a separate lid, said attachment comprising a dosing control chamber (14) having a variable volume. As a characterizing feature, this chamber fills up from empty during pouring. Said chamber is formed by an area between the control chamber limiter and the interior of a dosing plunger (10) and fills up with liquid during the pouring of an amount, while liquid flows downward at (D) past the dosing plunger (10) to the spout (3). Ultimately, when fully depressed downwards the dosing plunger (10) closes the spout (3) when the control chamber (14) is full. The dose amounts to be poured out can be adjusted by limiting the path of the dosing plunger (10) on its side facing the container or hose. The control chamber limiter is variably displaceable, axially relative to the dosing device, into the neck

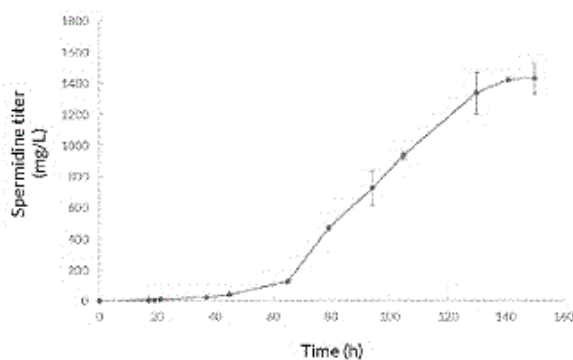
equipped with said device and can be permanently secured in any position.



21: 2020/00226. 22: 2020/01/13. 43: 2024/03/05
 51: C12N
 71: CHRYSEA LIMITED
 72: QIN, JIUFU, KRIVORUCHKO, ANASTASIA, DAVID, FLORIAN, NIELSEN, JENS
 33: SE 31: 1750933-2 32: 2017-07-14

54: MICROBIAL CELLS FOR SPERMIDINE PRODUCTION

00: -
 The present invention generally related to a modified microbial cell capable of producing high levels of spermidine and/spermidine derivatives. The genetically modified microbial cell comprises at least one modification to native spermidine biosynthetic pathway via putrescine together with genes involved in the S-adenosylmethionine biosynthetic pathway.



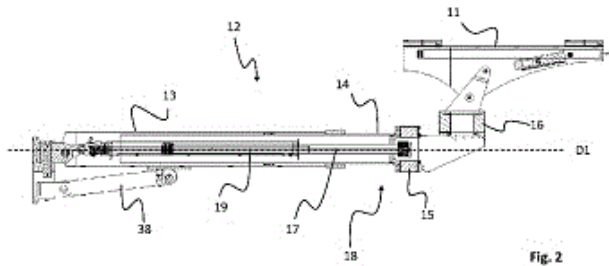
21: 2020/00607. 22: 2020/01/29. 43: 2024/03/05
 51: E21C; B66C; B66F; E21B
 71: EPIROC ROCK DRILLS AKTIEBOLAG
 72: SJÖHOLM, OSKAR, ROTH, PATRIK, ANDERSSON, FREDRIK A, KUMLIN, PER-ANDERS

33: SE 31: 1751090-0 32: 2017-09-08

54: MINING OR CONSTRUCTION VEHICLE AND A HYDRAULIC CYLINDER CONDUIT ENCLOSING A CONDUIT ARRANGEMENT

00: -

A mining or construction vehicle (10) comprising an extendable boom (12) comprised of a first and a second telescopic section (13,14) extending in a longitudinal direction (D1), wherein the first telescopic section (13) is arranged to be connected to the mining or construction vehicle (10) and a hydraulic device is arranged to be connected to a mounting device (11) at a free end (18) of the second telescopic section (14), wherein a hydraulic cylinder (19) is arranged in connection to the extendable boom (12) to govern extension of said extendable boom (12). Hydraulic conduit (17) for supply of hydraulic fluid to the hydraulic device on the mounting device (11) are arranged through the length of the extendable boom (12).



21: 2020/00647. 22: 2020/01/30. 43: 2024/03/11
51: A23L; C12C; C12G

71: Anheuser-Busch InBev S.A.
72: SOUFFRIAUX, Ben, MALCORPS, Philippe, DAENEN, Luk

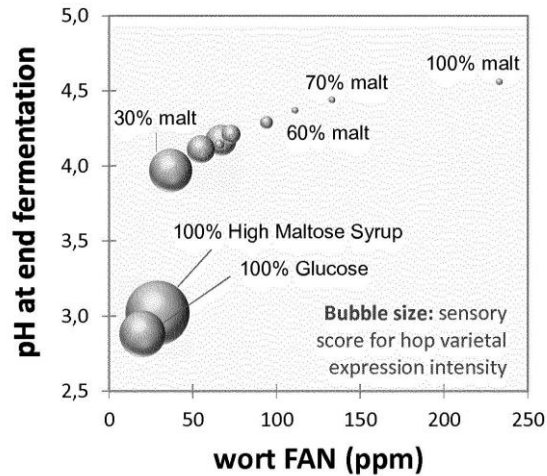
33: BE 31: BE2017/5548 32: 2017-08-08

54: 'HIGH' FLAVOURED BEVERAGE COMPONENT, USE THEREOF AND METHOD OF PREPARING SUCH BEVERAGE COMPONENT

00: -

Method for preparing a beverage component, the method comprising the steps of: (a) Providing an aqueous suspension comprising at least 1,5 g/l, preferably at least 3g/l, most preferably at least 5 g/l hops or hop products and fermentable carbohydrates; (b) Fermenting the aqueous suspension with a yeast to obtain the beverage component, characterized in that the aqueous suspension comprises an amount of free amino nitrogen (FAN) of less than 11ppm FAN/°PI,

preferably less than 6ppm FAN/°PI, most preferably less than 4.5ppm FAN/°PI, at the start of fermentation and/or that aqueous suspension comprises an amount of free amino nitrogen (FAN) of less than 180ppm, preferably less than 100ppm, most preferably less than 85ppm.



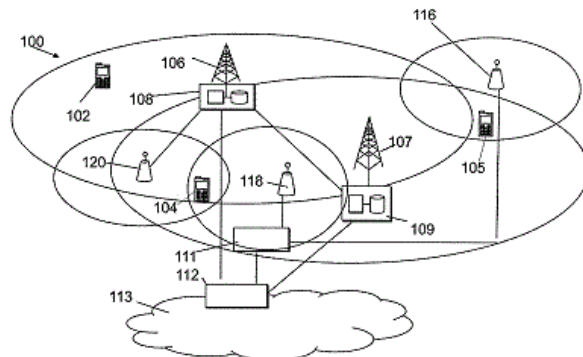
21: 2020/04821. 22: 2020/08/04. 43: 2024/03/14
51: H04W

71: NOKIA TECHNOLOGIES OY
72: WU, Chunli, TURPINEN, Samuli, SEBIRE, Benoist

54: METHOD, APPARATUS AND COMPUTER PROGRAM

00: -

There is disclosed a method comprising receiving at a user equipment an uplink grant for transmitting first uplink data from the user equipment at a first time; and determining a second time for initiating preparation of a transport block for transmitting the first uplink data, the determining a second time comprising subtracting a processing time for preparing the transport block from the first time.



21: 2020/05364. 22: 2020/08/27. 43: 2024/04/18
51: G01N

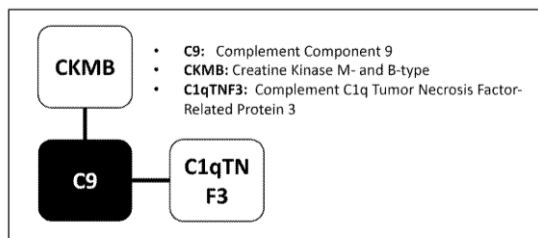
71: UNIVERSITY OF CAPE TOWN, SEATTLE CHILDREN'S HOSPITAL DBA SEATTLE CHILDREN'S RESEARCH INSTITUTE, ("SCRI")
72: SCRIBA, Thomas Jens, PENN-NICHOLSON, Adam Garth, ZAK, Daniel Edward, THOMPSON, Ethan Greene

33: ZA 31: 2018/02474 32: 2018-04-16

54: A THREE-PROTEIN PROTEOMIC BIOMARKER FOR PROSPECTIVE DETERMINATION OF RISK FOR DEVELOPMENT OF ACTIVE TUBERCULOSIS

00: -

The invention relates to a method and kit for determining a likelihood of a human subject with asymptomatic tuberculosis (TB) infection or suspected TB infection progressing to active tuberculosis disease, the method comprising detecting a presence or level of a first and a second pair of protein biomarkers selected from Complement Component 9 (C9) and Complement C1q Tumor Necrosis Factor-Related Protein 3 (C1qTNF3); and C9 and Creatine Kinase M- and B-type (CKMB) in a sample from the subject.



21: 2020/06181. 22: 2020/10/06. 43: 2024/05/02
51: C07C

71: EUROAPI HUNGARY LIMITED LIABILITY COMPANY
72: HORTOBÁGYI, Irén, ROZSUMBERSZKI, Imre, KARDOS, Zsuzsanna, SZABÓ, Tibor, VÁRADI, Csaba, BÁN, Tamás

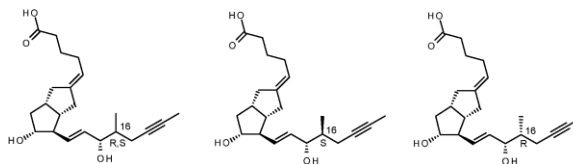
33: HU 31: P1800125 32: 2018-04-16

54: PROCESS FOR THE PREPARATION OF ILOPROST

00: -

The present invention relates to a process for the preparation of iloprost of formula I through new intermediates, isolation of iloprost of formula I in solid form, as well as preparation of the 16(S)-iloprost and 16(R)-iloprost isomers of formulae (S)-I and (R)-I and isolation of iloprost of formula I and

16(S)-iloprost of formula (S)-I in solid, crystalline form.



21: 2020/06933. 22: 2020/11/06. 43: 2024/03/14
51: H04W

71: NOKIA TECHNOLOGIES OY
72: TURPINEN, Samuli, WU, Chunli, SEBIRE, Benoist, LI, Zexian

33: CN 31: PCT/CN2018/083124 32: 2018-04-13

54: ENHANCEMENT OF MEDIUM ACCESS CONTROL SUBHEADERS

00: -

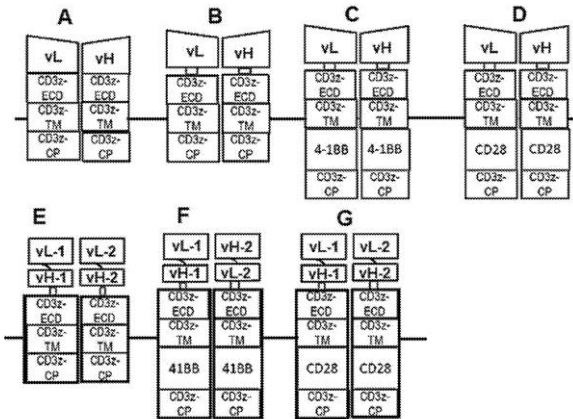
In accordance with an example embodiment of the apparatus there is at least a method and apparatus to perform determining a grant for data to be communicated, comprising identifying logical channels to be multiplexed into a medium access control protocol data unit for the data to be communicated, wherein at least one of a logical channel identifier for at least one logical channel of the multiplexed logical channels and length of at least one logical channel service data unit is configured to be omitted from the medium access control protocol data unit. Further in accordance with an example embodiment of the apparatus there is at least a method and apparatus to perform receiving a grant for the data to be communicated, comprising logical channels multiplexed into a medium access control protocol data unit for the data to be communicated, wherein at least one of a logical channel identifier for at least one logical channel of the multiplexed logical channels and length of at least one logical channel service data unit is configured to be omitted from the medium access control protocol data unit.

910: determining a grant for data to be communicated, comprising identifying logical channels to be multiplexed into a medium access control protocol data unit for the data to be communicated

920: wherein at least one of a logical channel identifier for at least one logical channel of the multiplexed logical channels and length of at least one logical channel service data unit is configured to be omitted from the medium access control protocol data unit

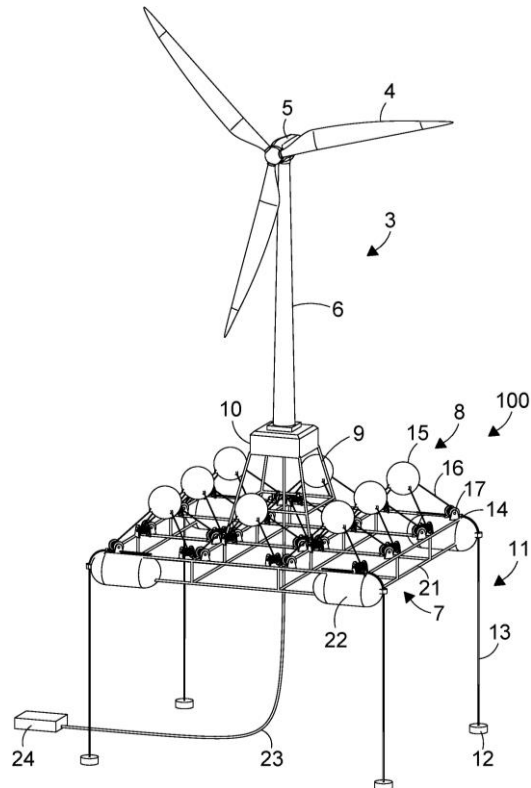
21: 2020/07393. 22: 2020/11/26. 43: 2024/04/16
 51: A61K; C07K; C12N
 71: UNIVERSITY OF SOUTHERN CALIFORNIA
 72: CHAUDHARY, Preet, M.
 33: US 31: 62/679,741 32: 2018-06-01
54: DIVERSE ANTIGEN BINDING DOMAINS, NOVEL PLATFORMS AND OTHER ENHANCEMENTS FOR CELLULAR THERAPY

00: -
 The disclosure provides diverse antigen binding domains and platforms for construction of conventional and next generation chimeric antigen receptors for adoptive cellular therapies for cancer, infection, allergic, degenerative and immune disorders. Also provided are approaches for activation and expansion of immune T cells for adoptive cellular therapies for cancer, infection, allergic, degenerative and immune disorders.



21: 2020/07422. 22: 2020/11/27. 43: 2024/04/25
 51: F03B; F03D
 71: MARINE POWER SYSTEMS LIMITED
 72: FOSTER, Graham
 33: GB 31: 1808933.4 32: 2018-05-31
 33: GB 31: 1901076.8 32: 2019-01-25
54: RENEWABLE ENERGY CONVERSION APPARATUS

00: -
 The apparatus described is a buoyant energy converting apparatus for converting energy obtained from renewable ocean energy sources to useful energy, comprising: a wind energy converter; a buoyant platform arranged to support the wind energy converter in a body of water having a surface and a bed; and a connection member, the connection member being positioned between the wind energy converter and the buoyant platform, the buoyant platform comprises an in-use configuration in which the buoyant platform is submerged in the body of water. In the in-use configuration the connection member protrudes through the surface of the body of water such that the wind energy converter is located substantially above the body of water. The apparatus further comprises a wave energy converter. The apparatus aims to provide a device having increased stability in stormy conditions, a more consistent supply of power and improved cost and ease of maintenance.



21: 2020/07615. 22: 2020/12/07. 43: 2024/04/10
 51: A61K; C07D
 71: CHEMOCENTRYX, INC.

72: DENG, Jun, BEKKER, Petrus, HILLSON, Jan
 33: US 31: 62/682,013 32: 2018-06-07
54: DOSING AND EFFECT OF C5A ANTAGONIST WITH ANCA-ASSOCIATED VASCULITIS

00: -
 The present disclosure provides methods for treating ANCA-associate vasculitis in a human in need thereof, the method comprising administering to the human a therapeutically effective amount of avacopan: or a pharmaceutically acceptable salt thereof, such that the level of plasma complement factor Bb, C3a, or C5a does not significantly change in the human upon treatment.

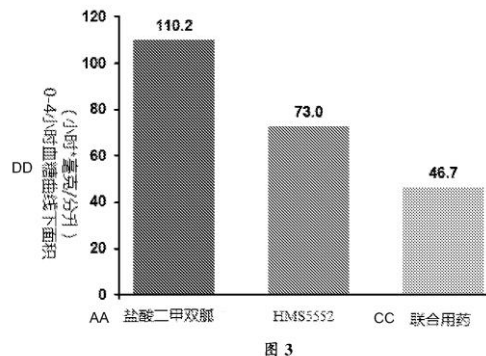
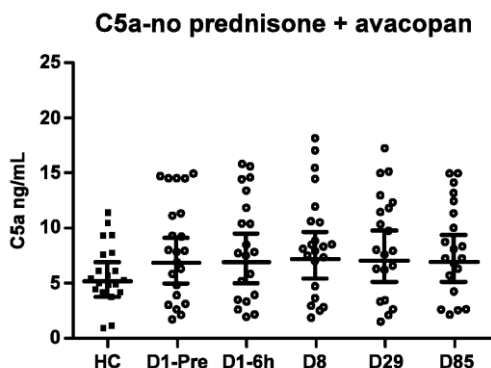


图 3
 AA METFORMIN HYDROCHLORIDE
 CC DRUG COMBINATION
 DD AREA UNDER BLOOD GLUCOSE CURVE IN 0-4 HOURS (H*MG/DL)



21: 2020/07671. 22: 2020/12/09. 43: 2024/04/11
 51: A61K; A61P
 71: HUA MEDICINE (SHANGHAI) LTD.
 72: CHEN, Li, LI, Yongguo, WANG, Gaosen
 33: CN 31: 201810556685.6 32: 2018-05-31
54: PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION CONTAINING GLUCOKINASE ACTIVATOR AND BIGUANIDE HYPOGLYCEMIC DRUG AS WELL AS PREPARATION METHOD AND USE THEREOF

00: -
 A pharmaceutical combination. The pharmaceutical combination contains a glucokinase activator or a pharmaceutically acceptable salt thereof, an isotope labeled compound thereof, a crystalline form thereof, a hydrate, a solvate, a diastereoisomer or an enantiomer form thereof, and a biguanide hypoglycemic drug. A pharmaceutical composition and a fixed dose combination formulation as well as a preparation method and use of the pharmaceutical composition and the fixed dose combination formulation.

21: 2020/07676. 22: 2020/12/09. 43: 2024/03/11
 51: A01N
 71: Fine Agrochemicals Limited
 72: WIKLEY, Philip Simon, SCOTT, Graham Vaughan, REIGNARD, Joëlle
 33: EP(GB) 31: 18176620.5 32: 2018-06-07
54: PLANT GROWTH REGULATOR SYSTEM

00: -
 The invention relates to a plant growth regulator system comprising a synergistic combination of prohexadione and ethephon. The invention further relates to a method for treating plants with at least prohexadione and ethephon, wherein a water based spraying liquid is sprayed on plants, wherein the liquid comprises water and suitable amounts of prohexadione and of ethephon, wherein the amount of prohexadione is between 20 and 400 g per hectare, and wherein the amount of ethephon is between 0 and 1000 g/ha. The plants are rape seed, flax or cereal crops. Cereal can be barley, oat, wheat, rye, triticale, grain or corn. The combination shows substantial synergistic effects on stem reduction, and therefore reduce risk of lodging and improve yield.

21: 2020/07836. 22: 2020/12/15. 43: 2024/03/14
 51: C12Q; B01L
 71: ILLUMINA, INC.
 72: YEN, TONY, STAVA, ERIC, PANCHAPAKESAN, RAJAGOPAL
 33: US 31: 62/863,444 32: 2019-06-19
54: REAGENT EXCHANGE IN AN INSTRUMENT

00: -
 A method includes flowing an incorporation reagent through a reagent management system and a flow cell of an instrument. The flow cell having a first

polynucleotide positioned therein. The incorporation reagent adding a first base onto a sequence of bases. The sequence of bases includes a second polynucleotide complementary to the first polynucleotide. An image of an identification signal emanating from the first base is captured after the first base has been added onto the second polynucleotide. A cleavage reagent is flowed through the reagent management system and flow cell to remove a first terminator from the first base in order to enable a subsequent base in the sequence of bases to be added to the second polynucleotide. A buffer reagent is flowed through the reagent management system and flow cell in a plurality of cycles of consecutive forward and reverse flow directions.

21: 2021/00141. 22: 2021/01/08. 43: 2024/03/04
51: C07D; A61P; A61K

71: ABIVAX, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, UNIVERSITE DE MONTPELLIER, INSTITUT CURIE

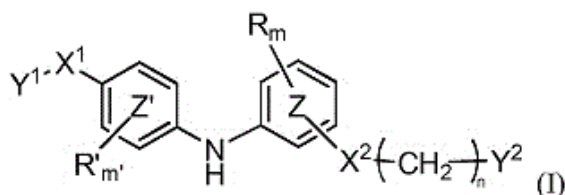
72: SCHERRER, DIDIER, TAZI, JAMAL, MAHUTEAU-BETZER, FLORENCE, NAJMAN, ROMAIN, SANTO, JULIEN, APOLIT, CÉCILE
33: EP 31: 18305911.2 32: 2018-07-09

54: ARYL-N-ARYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION

00: -

The present invention relates to a compound of formula (I) wherein X^1 represents an alkenylene group, a -NH-CO- group, a -CO-NH- group, Y^1 represents an aryl group selected from a pyridyl group, a pyrazinyl group or a pyrimidinyl group, X^2 represents a -O- group, a -CO-NH- group, a -NH-CO-NH- group, a -OCH₂- group, a -NH-CO- group, a divalent 5-membered heteroaromatic ring comprising 1, 2, 3 or 4 heteroatoms or a -SO₂-NH- group, and Y^2 represents a hydrogen atom, a hydroxyl group, a morpholinyl group, a piperidinyl group, optionally substituted by a (C₁-C₄)alkyl group, a piperazinyl group, optionally substituted by a (C₁-C₄)alkyl group, or a -CR¹R²R³ group or alternatively X^2 - Y^2 represents a group -CONR_cR_d, wherein R_c and R_d form, together with the nitrogen atom a heterocyclic ring, optionally substituted by one or two (C₁-C₄)alkyl group, by a cyclopentyl group thus forming a spirocyclopentyl, or by a trifluoromethyl group, or any of its pharmaceutically acceptable salt, for use in the treatment and/or prevention of a RNA virus infection

caused by a RNA virus belonging to group IV or V of the Baltimore classification. The present invention further relates to new compounds, to pharmaceutical compositions containing them and to synthesis process for manufacturing them.



21: 2021/00142. 22: 2021/01/08. 43: 2024/03/04
51: C07D; A61P; A61K

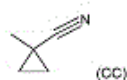
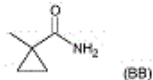
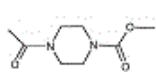
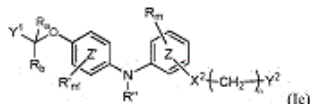
71: INSTITUT CURIE, ABIVAX, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, UNIVERSITE DE MONTPELLIER

72: SCHERRER, DIDIER, TAZI, JAMAL, MAHUTEAU-BETZER, FLORENCE, NAJMAN, ROMAIN, SANTO, JULIEN, APOLIT, CÉCILE
33: EP 31: 18305911.2 32: 2018-07-09

54: PHENYL/PYRIDYL-N-PHENYL/PYRIDYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION

00: -

The present invention relates to a compound of formula (Ie) wherein Y^1 represents an aryl group, X^2 represents a -O- group, a -NH- group, a -S- group, a -CO-NH- group, a -NH-CO-NH- group, a -NH-CO- group, a -CH(OH)- group, a -CH(COOH)NH- group, a -CH(COOCH₃)NH- group, a -C(OH)(CH₂OH)-, a (AA) group, a divalent 5-membered heteroaromatic ring comprising 1, 2, 3 or heteroatoms, a -SO₂- group, or a -SO₂-NH- group, Y^2 represents a hydrogen atom, a hydroxyl group, a (C₁-C₄)alkoxy group, a -CHC(OH)₂, a COOR_f, wherein R_f represents a hydrogen atom or a (C₁-C₄)alkyl group, a morpholinyl group, a dihydropyranyl group, a (BB) group, a (CC) group, a -PO(OR_f)(OR'_f) group, wherein R_f and R'_f independently represents a hydrogen atom or a (C₁-C₄)alkyl group, an oxetanyl group, a -Si(CH₃)₃ group, a -NHCOO-(C₁-C₄)alkyl group, or a -CR¹R²R³ group, or any of its pharmaceutically acceptable salt. The present invention further relates to pharmaceutical compositions containing them and to synthesis process for manufacturing them.



21: 2021/00168. 22: 2021/01/11. 43: 2024/03/04

51: C25B

71: HALDOR TOPSØE A/S

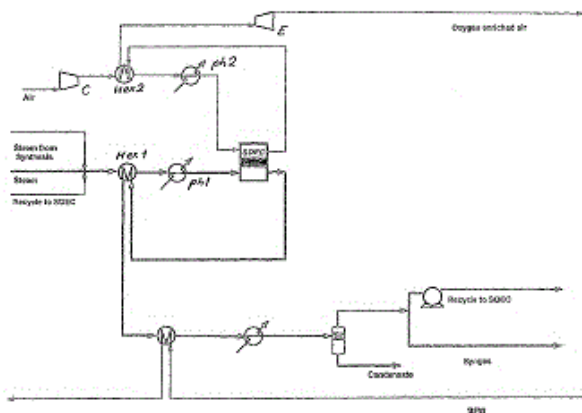
72: HANSEN, JOHN BØGILD

33: DK 31: PA 2018 00385 32: 2018-07-12

54: EXPANDER FOR SOEC APPLICATIONS

00: -

In a method for generating various synthesis gases by electrolysis, comprising feeding steam and compressed air to the cathode and anode, respectively, of the first of a series of electrolysis units into the first of a series of electrolysis units, the electrolysis units are operated under an elevated gas pressure, and the oxygen-rich gas leaving the anode is subsequently expanded down to approximately ambient pressure using a gas expander. The electrolysis units are solid oxide electrolysis cell (SOEC) stacks.



21: 2021/00323. 22: 2021/01/15. 43: 2024/03/05

51: B41J

71: ACTEGA NORTH AMERICA TECHNOLOGIES, INC.

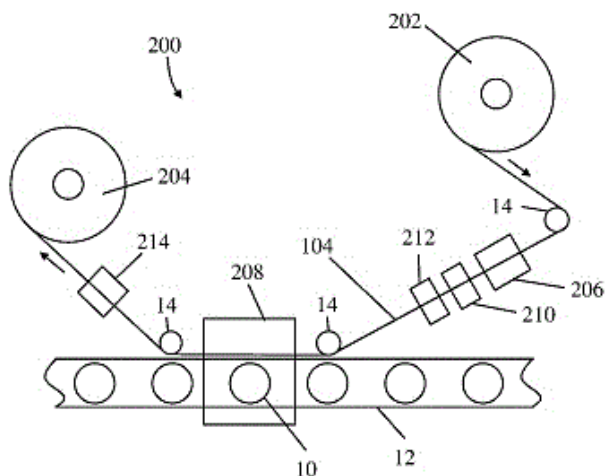
72: LUX, BENJAMIN DAVID, MARSELLA, ANDREW W

33: US 31: 62/692,941 32: 2018-07-02

54: SYSTEMS AND METHODS FOR DECORATING SUBSTRATES

00: -

Systems and methods for forming and applying decorations onto substrates (10) are disclosed. According to some aspects, a decoration may be formed on a carrier web (104) at a decoration forming station (206) positioned along a web path. The decorations may be transported along the web path to an application station (208) at which the decorations are applied to substrates (10) from the carrier web (104).



21: 2021/00352. 22: 2021/01/18. 43: 2024/03/01

51: C07D; A61K; A61P

71: MITSUBISHI TANABE PHARMA CORPORATION

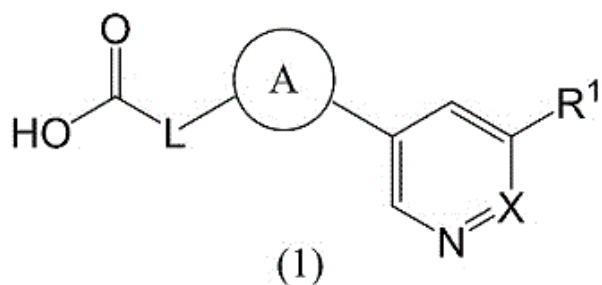
72: IJIMA, DAISUKE, TAKEDA, SHUZO, TAKAHASHI, TAICHI, TAKAMATSU, HISAYUKI

33: JP 31: 2018-141254 32: 2018-07-27

54: NOVEL 3, 5-DISUBSTITUTED PYRIDINE AND 3, 5-DISUBSTITUTED PYRIDAZINE DERIVATIVES AND PHARMACEUTICAL USE OF SAME

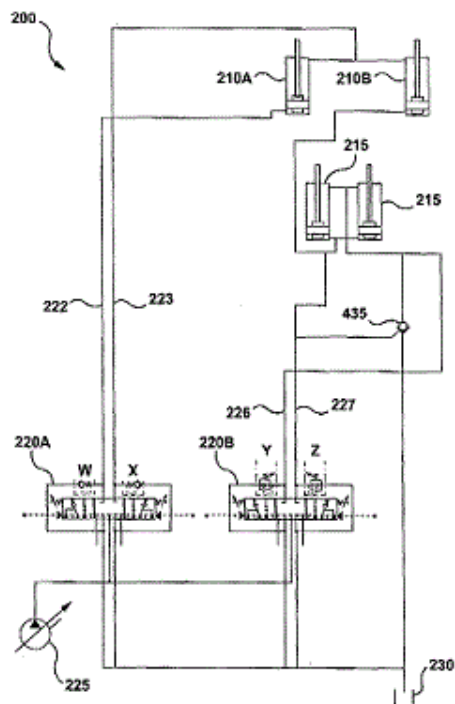
00: -

The present invention provide a compound which has excellent ATX inhibitory activity and is thus useful for prophylaxis or treatment of diseases associated with ATX. A carboxylic acid compound which is represented by general formula (1) or a pharmacologically acceptable salt thereof. (In the formula, the symbols are as defined in the description.)



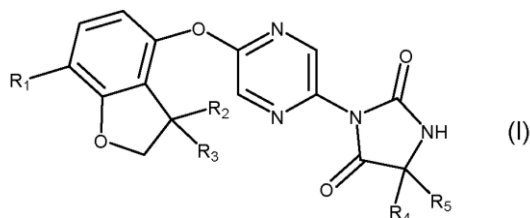
21: 2021/00510. 22: 2021/01/25. 43: 2024/03/14
 51: E02F A01G B66C
 71: TIGERCAT INDUSTRIES INC.
 72: CARLYLE, Michael Wayne
54: HEAVY EQUIPMENT BOOM SYSTEM AND METHOD AND HYDRAULIC CIRCUIT THEREFOR
 00: -

A boom system including a hoist boom pivoted to a machine base; a stick boom having a proximal end pivoted to the hoist boom and a distal end configured to carry a working tool; at least one hydraulic hoist cylinder mounted between the machine base and the hoist boom; a first stick cylinder mounted between the hoist boom and the stick boom; a second stick cylinder mounted similarly and mechanically linked with the first stick cylinder; and a hydraulic circuit for supplying hydraulic fluid to the hoist cylinder and stick cylinders, wherein the hydraulic circuit includes a hydraulic conduit line connecting a base end of the at least one hoist cylinder with a base end of the second stick cylinder to allow hydraulic fluid to shunt between the base ends of the hoist cylinder and the second stick cylinder.



21: 2021/01487. 22: 2021/03/04. 43: 2024/04/26
 51: A61K; C07D; A61P
 71: AUTIFONY THERAPEUTICS LIMITED
 72: ALVARO, Giuseppe, MARASCO, Agostino
 33: EP 31: 18200626.2 32: 2018-10-16
54: NOVEL COMPOUNDS
 00: -

A compound of formula (I): (Formula (I)) and related aspects.



21: 2021/04355. 22: 2021/06/24. 43: 2024/03/25
 51: A23K
 71: UNIVERSITY OF CAPE TOWN
 72: MOXLEY, Karis, COYNE, Vernon Errol
 33: GB 31: 1821191.2 32: 2018-12-24
54: PROBIOTIC FEED FOR AQUACULTURE
 00: -

The invention provides a method of aquaculture comprising supplying *Vibrio midae* SY9 as a food source to farmed aquatic animals. A feed composition comprising *Vibrio midae* SY9 is also

provided. The aquatic animals are typically marine animals which feed on algae. These include abalone and echinoderms, such as sea urchins, sea cucumbers, starfish, brittle stars, sand dollars and crinoids. The *Vibrio midae* SY9 can be provided on or within an alginate film formed on a support.

21: 2021/04919. 22: 2021/07/13. 43: 2024/04/23
51: C25B

71: TRIBOTECC GMBH

72: HENSGEN, Lars, APFEL, Ulf-Peter,
SMIALKOWSKI, Mathias

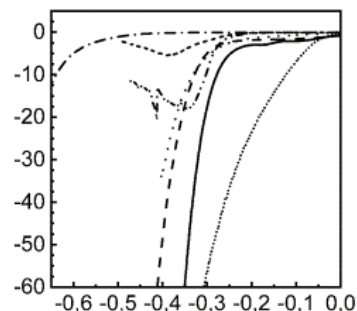
33: EP 31: 19158640.3 32: 2019-02-21

54: USE OF SULFIDIC COMPOSITIONS

00: -

The present invention relates to the use of a composition of formula (I): $\text{Fe}_{9-a-b-c}\text{Ni}_a\text{Co}_b\text{M}_c\text{S}_8-d\text{Se}_d$, wherein M stands for one or more elements having in the ionic state an effective ionic radius in the range of 70-92 pm, a is a number within the range of $2.5 \leq a \leq 3.5$, more preferably $2.7 \leq a \leq 3.3$, b is a number within the range of $1.5 \leq b \leq 5.0$, more preferably $1.5 \leq b \leq 4.0$, most preferably $2.5 \leq b \leq 3.5$, c is a number within the range of $0.0 \leq c \leq 2.0$, more preferably $0.0 \leq c \leq 1.0$, d is a number within the range of $0.0 \leq d \leq 4.0$, more preferably $0.0 \leq d \leq 1.0$, wherein the sum of a, b and c is in the range of $5 \leq a+b+c \leq 8$ and wherein ≥ 90 wt.% of the composition is in the pentlandite phase for electrocatalytic splitting of water, preferably for hydrogen evolution reaction.

The present invention relates to the use of a composition of formula (I): $\text{Fe}_{9-a-b-c}\text{Ni}_a\text{Co}_b\text{M}_c\text{S}_{8-c}\text{Se}_c$, wherein M stands for one or more elements having in the ionic state an effective ionic radius in the range of 70-92 pm, a is a number within the range of $2.5 \leq a \leq 3.5$, more preferably $2.7 \leq a \leq 3.3$, b is a number within the range of $1.5 \leq b \leq 5.0$, more preferably $1.5 \leq b \leq 4.0$, most preferably $2.5 \leq b \leq 3.5$, c is a number within the range of $0.0 \leq c \leq 2.0$, more preferably $0.0 \leq c \leq 1.0$, d is a number within the range of $0.0 \leq d \leq 4.0$, more preferably $0.0 \leq d \leq 1.0$, wherein the sum of a, b and c is in the range of $5 \leq a+b+c \leq 8$ and wherein ≥ 90 wt.% of the composition is in the pentlandite phase for electrocatalytic splitting of water, preferably for hydrogen evolution reaction.



21: 2021/05281. 22: 2021/07/26. 43: 2024/03/04
51: C12N; C07H

71: LIFEEDIT THERAPEUTICS, INC.

72: BOWEN, TYSON D, CRAWLEY, ALEXANDRA
BRINER, ELICH, TEDD D, MOORE, MARK,
BARRANGOU, RODOLPHE, LASSNER, MICHAEL

33: US 31: 62/790,266 32: 2019-01-09

33: US 31: 62/790,256 32: 2019-01-09

33: US 31: 62/785,391 32: 2018-12-27

33: US 31: 62/790,258 32: 2019-01-09

33: US 31: 62/790,262 32: 2019-01-09

33: US 31: 62/932,169 32: 2019-11-07

33: US 31: 62/790,261 32: 2019-01-09

54: POLYPEPTIDES USEFUL FOR GENE EDITING AND METHODS OF USE

00: -

Compositions and methods for binding to a target sequence of interest are provided. Compositions include fusion proteins between DNA binding proteins or protein domains and nucleic acid modifying proteins or protein domains. The compositions find use in cleaving or modifying a target sequence of interest, visualization of a target sequence of interest, and modifying the expression of a sequence of interest. Compositions comprise RNA-guided nuclease polypeptides, CRISPR RNAs, trans-activating CRISPR RNAs, guide RNAs, deaminases, and nucleic acid molecules encoding the same. Vectors and host cells comprising the nucleic acid molecules are also provided. Further

provided are CRISPR systems for binding a target sequence of interest, wherein the CRISPR system comprises an RNA-guided nuclease polypeptide and one or more guide RNAs. Also provided are deaminases which may be fused to a DNA-binding polypeptide and may be useful for gene editing.

21: 2021/05351. 22: 2021/07/28. 43: 2024/03/25
51: E21B

71: Services de Forage Orbit Garant Inc.

72: LAROSE, Daniel, BERNARD, Yves, ROSE, Mark, BERNIER, Jocelyn

33: US 31: 62/798,160 32: 2019-01-29

54: ROD HANDLER APPARATUS IN CORE DRILLING

00: -

A rod handler apparatus for outer tubes and inner tubes, the rod handler apparatus has a manipulator arm adapted to be aligned with an elongated rod. An alignment jaw assembly is at a first end of the manipulator arm, the alignment jaw assembly translationally supports an inner tube and/or an outer tube in coaxial alignment with the elongated rod. A high-speed jaw assembly is at a second end of the manipulator arm, the high-speed jaw assembly adapted to support at least the inner tube, the high-speed jaw assembly operable to cause a translation of the inner tube in or out of the elongated rod. A low-speed jaw assembly is between the alignment jaw assembly and the high-speed jaw assembly, the low-speed jaw assembly adapted to support the outer tube, the low-speed jaw assembly operable to cause concurrent translation and rotation of the outer tube for screwing engagement with the elongated rod.

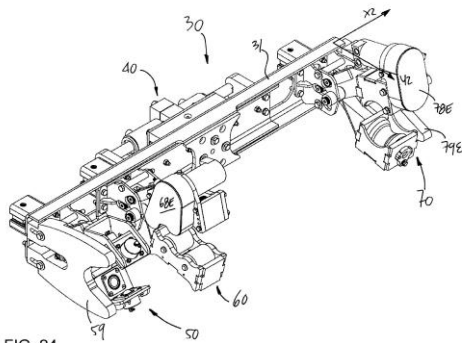


FIG. 24

21: 2021/05566. 22: 2021/08/06. 43: 2024/05/02
51: C07J; C12N; C12P; C12R

71: EUROAPI FRANCE

72: RASSER, Hans-Falk, LATTEMANN, Claus Tobias, JANOCHA, Bernd, RISSOM, Sebastian

33: EP 31: 19305153.9 32: 2019-02-08

54: BIOTECHNOLOGICAL OPTIMIZATION OF MICROORGANISMS FOR THE 1,2-DEHYDROGENATION OF STEROIDS

00: -

The present invention concerns a genetically modified bacterium and to its industrial application, in particular in the 1,2-dehydrogenation of steroids.

21: 2021/06296. 22: 2021/08/30. 43: 2024/03/19
51: A61B

71: Wuxi Hisky Medical Technologies Co., Ltd.

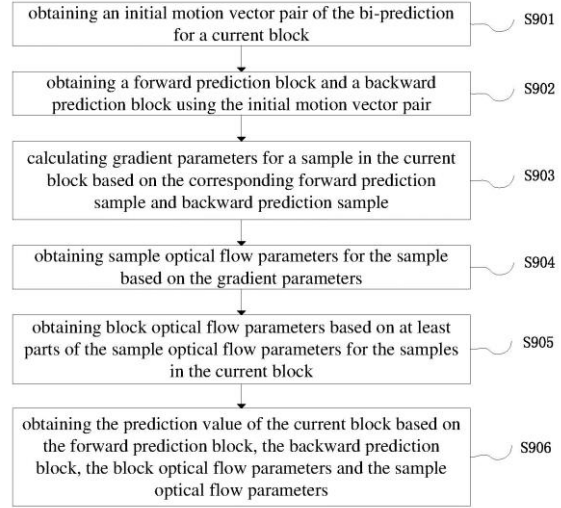
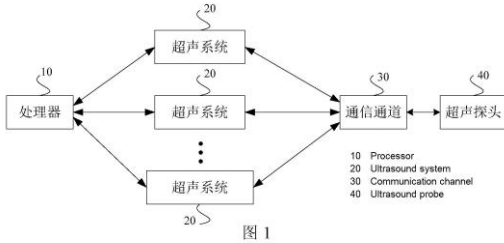
72: HE, Qiong, SUN, Shibo, SHAO, Jinhua, SUN, Jin, DUAN, Houli

33: CN 31: 201910133780.X 32: 2019-02-22

54: ULTRASOUND IMAGING DEVICE

00: -

An ultrasound imaging apparatus, comprising: a processor (10), N ultrasound systems (20), a communication channel (30) and an ultrasound probe (40), N being a positive integer greater than 1. The processor (10) is configured to receive an ultrasound system configuration instruction inputted by a user, to enable one of the N ultrasound systems (20) to be in an enabled state. The ultrasound system (20) in the enabled state is configured to send a control instruction to the ultrasound probe (40) by means of the communication channel (30). The ultrasound probe (40) is configured to operate in cooperation with the ultrasound system (20) in the enabled state according to the control instruction. The present invention achieves the purpose that N ultrasound systems (20) on the ultrasound imaging apparatus can respectively use the same communication channel (30) to be connected to the ultrasound probe (40), reducing the costs and volume of the ultrasound imaging apparatus and improving the compatibility of the ultrasound imaging apparatus.



21: 2021/07479. 22: 2021/10/05. 43: 2024/03/12
 51: H04N
 71: Huawei Technologies Co., Ltd.
 72: SETHURAMAN, Sriram, KOTTECHA, Sagar, A, Jeeva Raj
 33: IN 31: 201931009184 32: 2019-03-08
54: AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR INTER PREDICTION

00: -
 A bidirectional optical flowing prediction method, comprising: obtaining an initial motion vector pair for a current block; obtaining a forward and a backward prediction block according to the forward motion vector and a backward prediction block according to the initial motion vector pair; calculating gradient parameters for a current sample in the current block; obtaining at least two sample optical flow parameters, comprising a first parameter and a second parameter, for the current sample based on the gradient parameters; obtain block optical flow parameters based on sample optical flow parameters of samples in the current block, one of the block optical flow parameters is obtained by an operation including multiplying a value of the first parameter and a value of a sign function of the second parameter, and the sign function is a piecewise function with at least three subintervals; and obtaining a prediction value of the current block.

21: 2021/08153. 22: 2021/10/22. 43: 2024/04/03
 51: A61M; H04L; G16H
 71: ICU MEDICAL, INC.
 72: VIVEK, S. Sree, DANDEKAR, Hrishikesh Anil, SRINIVASAMURTHY, Chaitanya Mattur
 33: US 31: 62/845,115 32: 2019-05-08
54: THRESHOLD SIGNATURE BASED MEDICAL DEVICE MANAGEMENT

00: -
 The present disclosure is directed to managing device authorization through the use of digital signature thresholds. Individual components of a device, or individual devices in a network environment, are associated with separate secret shares from which a digital signature can be derived. The digital signature may be used to authorize performance of a function. A threshold number of such secret shares are used in order to derive the digital signature. Therefore, an authorization process that relies on digital signature verification to determine that a function is authorized will do so if a threshold number of secret shares are available at authorization time.

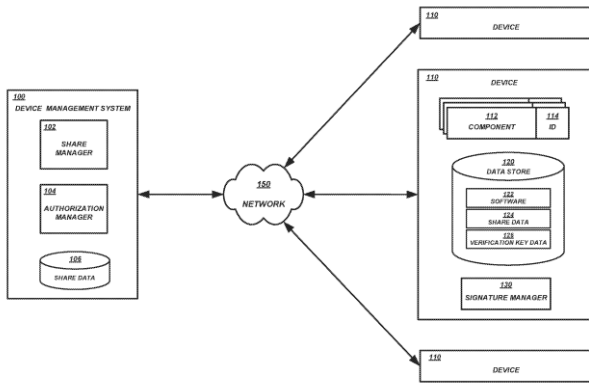
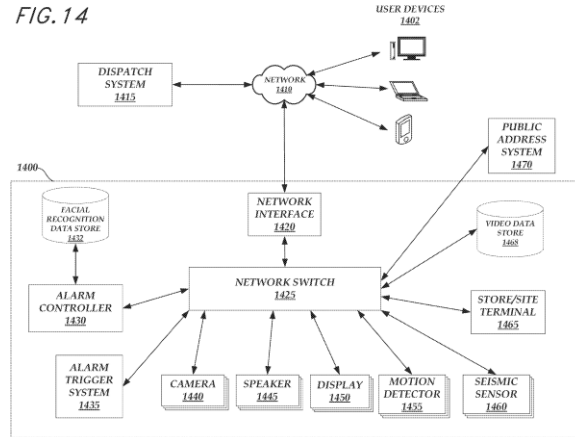


FIG. 14



21: 2021/08827. 22: 2021/11/09. 43: 2024/04/10
 51: G06K; G08B; H04N
 71: RAPTOR VISION, LLC
 72: MULLINS, Scott Charles
 33: US 31: 62/831,955 32: 2019-04-10
 33: US 31: 62/865,828 32: 2019-06-24
 33: US 31: 62/907,484 32: 2019-09-27
 33: US 31: 62/947,468 32: 2019-12-12

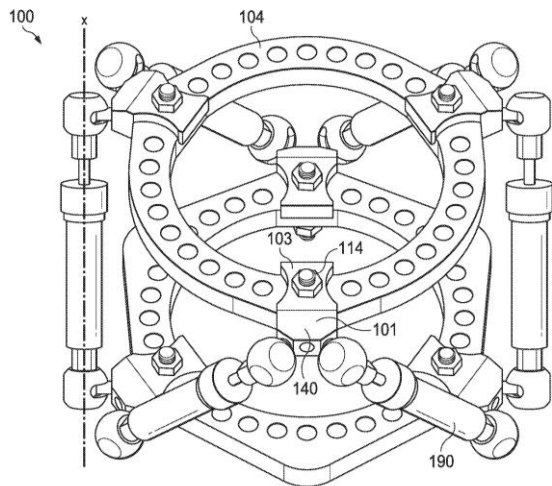
54: MONITORING SYSTEMS

00: -
 A system can use a video analytic algorithm and/or other input parameters to identify an event (e.g., theft). Optionally, the system can take action in response. For example, the security system can use video analytics to determine that a person has reached into a shelf multiple times at a rate above a threshold, which can indicate that a thief is quickly removing items from the shelf. A monitoring system can monitor other areas for breaches, such as an entrance to a store or residence. Monitoring entrances and/or exits can be used to determine occupancy, or to determine rush events to prompt customer service action, such as opening additional point of sale stations.

21: 2021/08967. 22: 2021/11/11. 43: 2024/04/03
 51: A61B
 71: TEXAS SCOTTISH RITE HOSPITAL FOR CHILDREN, ORTHOFIX S.R.L.
 72: SAMCHUKOV, Mikhail L., CHERKASHIN, Alexander M., ROSS, John D., STANDEFER, Karen D., VENTURINI, Daniele, OTTOBONI, Andrea
 33: US 31: 16/448,794 32: 2019-06-21

54: DYNAMIZATION TABS PROVIDING COMPONENT INTERCONNECTIVITY FOR EXTERNAL FIXATION DEVICES

00: -
 Dynamization tabs and methods of use are provided. Dynamization tabs may be used with an external fixation ring or other fixator device as part of a therapeutic treatment of bone fractures or malformations. The device forms a connection between one or more fixation struts and an external fixation ring so as to introduce controllable amounts of movement or dynamization to the arrangement of the struts and the fixator. By introducing controlled amounts of dynamization, therapeutic benefits can be derived in the enhanced, accelerated bone formation, mineralization and remodeling of the underlying bone. Dynamization tabs may comprise a strut connector, a mechanical biasing or dynamizing device, and a ring connector. Many different forms for introducing controlled amounts of dynamization are disclosed.



21: 2021/09131. 22: 2021/11/16. 43: 2024/04/10

51: B01D; B01F; C01F

71: YARA INTERNATIONAL ASA

72: LOUWE, Robertus, LIER, Olav

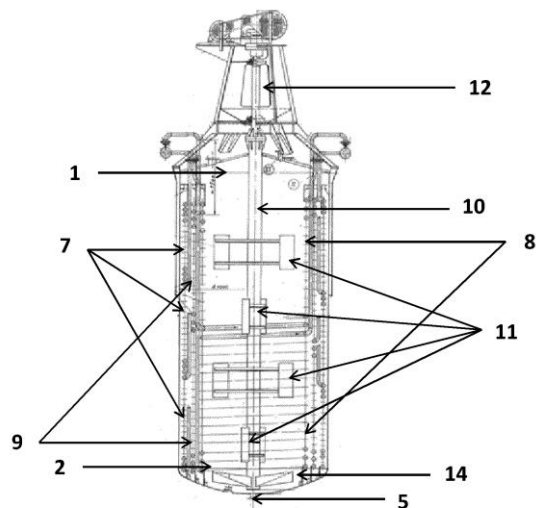
33: EP 31: 19185147.6 32: 2019-07-09

54: METHOD AND CRYSTALLIZING TANK AND ARRANGEMENT THEREOF FOR CRYSTALLIZING CALCIUM NITRATE FROM THE NITRO-PHOSPHATE PROCESS

00: -

The present invention relates to a method for crystallizing calcium nitrate from an aqueous calcium nitrate composition comprising from 6 to 12 weight% nitric acid, from 11 to 17 weight% phosphoric acid, and from 36 to 49 weight% dissolved calcium nitrate, which aqueous composition is optionally directly obtainable from digesting phosphate rock in nitric acid. The method comprises the step of filling at least one vertical crystallizing tank through an inlet with the aqueous calcium nitrate composition. The crystallizing tank comprises a vertical cylindrical section defined by a top end and a bottom end, each end having a circular cross section; a first inlet for introducing the aqueous calcium nitrate composition into the cylindrical section; a first outlet for draining a slurry of crystallized calcium nitrate at the bottom end; a second inlet for introducing an aqueous washing composition; optionally, a second outlet for draining the aqueous washing composition at the bottom end; three concentric banks of cooling coils running alongside each other and parallel to the axis running through the centers of the circular cross section of the top end and the bottom end of the cylindrical section; an agitator equipped with paddles fixed to its rotation axis which runs through the

centers of the two circular bases of the cylindrical section, driven by an agitator motor; and a temperature measurement device for measuring a temperature in the crystallizing tank. The method comprises the steps of circulating through the banks of cooling coils a cooling fluid, having an initial temperature ranging from -40°C to -5°C , and rotating the agitator such that a minimum average heat transfer of $400\text{ W/m}^2\cdot\text{K}$ is achieved on the cooling coil the most distant from the agitator. The present disclosure further relates to a crystallizing tank to perform the method of the disclosure and to an arrangement of crystallizing tanks.



21: 2021/09172. 22: 2021/11/17. 43: 2024/04/03

51: A61L

71: BIOCOMPATIBILITY INNOVATION SRL

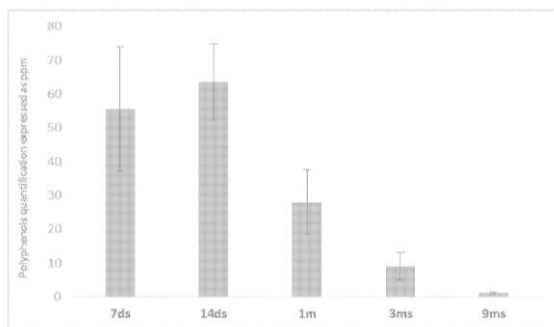
72: NASO, Filippo, GANDAGLIA, Alessandro

33: IT 31: 102019000007094 32: 2019-05-22

54: METHOD FOR PREVENTING THE FORMATION OF CALCIFIED DEPOSITS AND FOR INACTIVATING XENOANTIGENS IN BIOLOGICAL MATRICES

00: -

The present invention discloses a method for preventing the formation of calcified deposits or inside an isolated biological matrix comprising the step of contacting said isolated biological matrix with a solution comprising a mixture of phenolic compounds.



21: 2021/09364. 22: 2021/11/22. 43: 2024/03/11

51: B32B

71: BARD, Markus

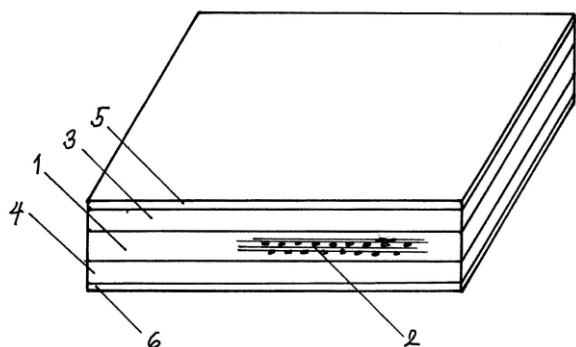
72: BARD, Markus

33: CH 31: 00553/19 32: 2019-04-25

54: MATERIAL PLATE

00: -

The material plate consists of a central layer (1) made of bamboo strands (2) and two fine layers (3, 4) made of glued bamboo slivers or chips on both sides, and cover layers (5, 6) on both sides.



21: 2021/09499. 22: 2021/11/24. 43: 2024/04/03

51: A61K; A61P

71: VIVATIS PHARMA GMBH

72: CERANA, Giorgio Stefano, BOS, Peter

33: IT 31: 102019000008409 32: 2019-06-07

54: IDENTIFICATION AND SELECTION OF A PLANT STARTING MATERIAL OF A PLANT CHONDROITIN SULFATE AND HYALURONIC ACID, AND TRANSFORMATION OF SUCH PLANT STARTING MATERIAL TO OBTAIN INGREDIENTS FOR USE IN FOODS, SUPPLEMENTS, MEDICAL DEVICES OR DRUGS

00: -

Process for extraction from a plant starting material, such as a fungus, for the preparation of a mixture (m) comprising or, alternatively, consisting of at least

one glycosaminoglycan selected from: (a) hyaluronic acid or a salt thereof (HA) having a weight average molecular weight of comprised from 10 kDa to 600 kDa; (b) chondroitin or chondroitin sulfate or a salt thereof (CS) having a weight average molecular weight comprised from 3 kDa to 50 kDa; and (c) a combination of (a) and (b).

21: 2021/09896. 22: 2021/12/02. 43: 2024/04/10

51: E01B

71: BRASKEM S.A.

72: MACHADO, Aldo Marconi Wesson, DA SILVA,

Jesus Waldemar Golçalves, VARGAS, Renato

Teixeira, VIDON JUNIOR, Walter

33: US 31: 62/852,873 32: 2019-05-24

54: RAILWAY SLEEPER

00: -

A railroad sleeper for fixation of at least one pair of rails of a railroad network, the railroad sleeper may include a contact surface, wherein each rail of the pair of rails is fixed thereto spaced apart from each other; anchorage walls extending downward from the contact surface, and having a support point at a bottom surface thereof, the anchorage walls having at least one aperture formed therein; and a void delimited by the contact surface and anchorage walls.

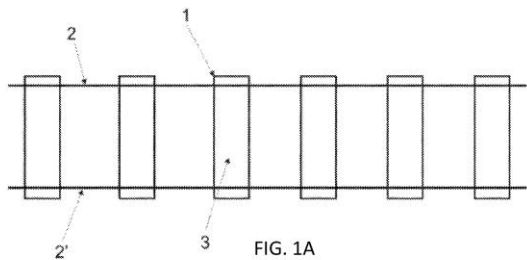


FIG. 1A

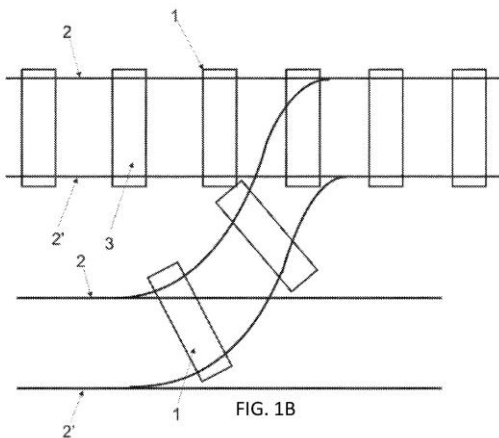


FIG. 1B

21: 2021/10264. 22: 2021/12/10. 43: 2024/04/03
 51: G06F; H04L; H04W
 71: ENTERSEKT INTERNATIONAL LIMITED
 72: BESTER, Daniël Deetlefs, OOSTHUIZEN, Gerhard Gysbert, NOLTE, Francois Archibald, DE WET, Petrus Johannes
 33: ZA 31: 2019/04570 32: 2019-07-12
54: SYSTEM AND METHOD FOR IDENTIFYING A BROWSER INSTANCE IN A BROWSER SESSION WITH A SERVER

00: -
 A system and method are provided for identifying a browser instance in a browser session between a server hosting a web domain and the browser instance executing on a user computing device. The method conducted at the browser instance includes obtaining a private key and a public key of a key pair unique to a combination of a web domain and the browser instance being used to access the web domain. The method includes obtaining a browser certificate issued for the key pair and storing the private key at a storage provided by the browser instance for use by the browser instance during an active browser session with the web domain. The private key is stored as unextractable from the storage and with configuration for use by the

browser instance during an active browser session with the web domain in signing or cryptographic operations without the private key being revealed.

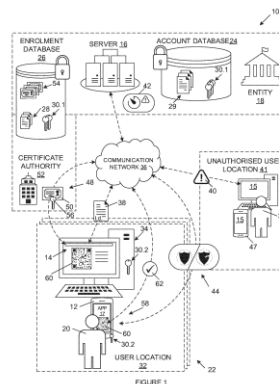


FIGURE 1

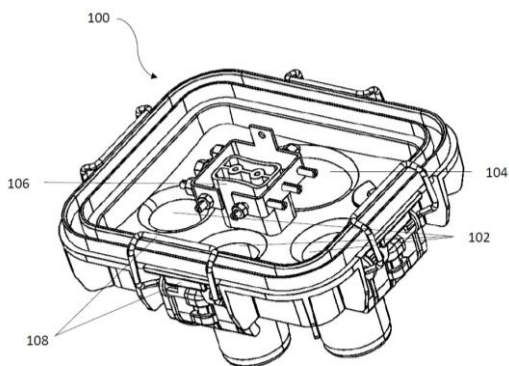
21: 2021/10393. 22: 2021/12/14. 43: 2024/02/15
 51: A61K
 71: AMUNIX PHARMACEUTICALS, INC.
 72: VOLKER, SCHELLENBERGER, FAN, YANG, DESIREE, THAYER, BEE-CHENG SIM, CHIA-WEI, WANG
54: CHIMERIC POLYPEPTIDE ASSEMBLY AND METHODS OF MAKING AND USING THE SAME

00: -
 The present invention relates to bispecific chimeric polypeptide assembly compositions comprising bulking moieties linked to binding domains by cleavable release segments that, when cleaved are capable of concurrently binding effector T cells with targeted tumor or cancer cells and effecting cytolysis of the tumor cells or cancer cells. The invention also provides compositions and methods of making and using the cleavable chimeric polypeptide assembly compositions.

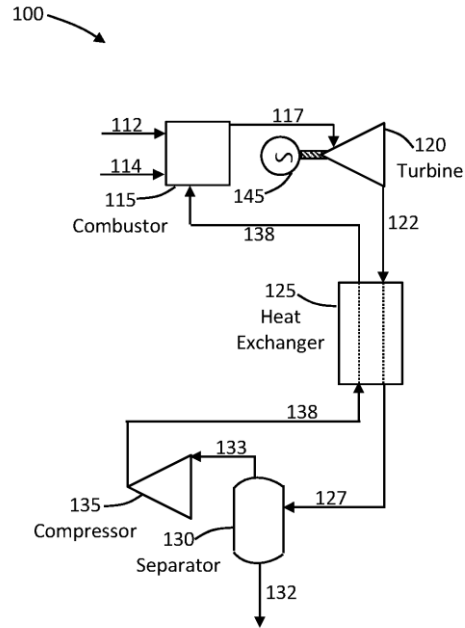
21: 2021/10468. 22: 2021/12/15. 43: 2023/04/24
 51: G02B; H02G
 71: BOTHA, JACOB JOHANNES FRANCOIS
 72: BOTHA, JACOB JOHANNES FRANCOIS
54: A HYBRID FIBRE OPTIC CABLE SPLICE ENCLOSURE

00: -
 According to a first aspect of the invention, there is provided a hybrid fibre optic splice enclosure, said enclosure including one or more of the following: a dome base comprising of at least three open-ended access ports and at least one close-ended access port; a fibre management system central tower (FMSCT); one or more fibre cable splice trays; and a

dome cover. In an embodiment of the invention, said at least three open-ended access ports are provided in the example form of a round shape. In an embodiment, said at least one close-ended access port is provided in the form of an oval shape. In an embodiment of the invention, the dome base defines a storage basket operable to store spare fibre optic cables. In an embodiment of the invention, the three round access ports and a close-ended oval-shaped port in the dome base are operable to receive one or more fibre optic cables routed therethrough.



production unit, a syngas production unit, one or more heat exchange elements configured for exchanging heat from a syngas stream from the syngas production unit to a stream from the power production unit, and at least one purifier element configured to separate the syngas stream into a first stream comprising predominately hydrogen and a second stream.



21: 2021/10484. 22: 2021/12/15. 43: 2024/04/10
51: B01D; F01K; F25J; F02C; F23L; C01B; C07C; C10K

71: 8 RIVERS CAPITAL, LLC

72: LU, Xijia, RAFATI, Navid, FORREST, Brock Alan

33: US 31: 62/860,974 32: 2019-06-13

54: POWER PRODUCTION WITH COGENERATION OF FURTHER PRODUCTS

00: -

The present disclosure relates to cogeneration of power and one or more chemical entities through operation of a power production cycle and treatment of a stream comprising carbon monoxide and hydrogen. A cogeneration process can include carrying out a power production cycle, providing a heated stream comprising carbon monoxide and hydrogen, cooling the heated stream comprising carbon monoxide and hydrogen against at least one stream in the power production cycle so as to provide heating to the power production cycle, and carrying out at least one purification step so as to provide a purified stream comprising predominately hydrogen. A system for cogeneration of power and one or more chemical products can include a power

21: 2021/10887. 22: 2021/12/23. 43: 2024/03/06

51: A61K; A61P

71: ANIMAL ETHICS PTY LTD

72: OLSSON, CHARLES ROBERT, SHEIL, MEREDITH, GIFFARD, ALLAN, WINDSOR, PETER

33: AU 31: 2019901837 32: 2019-05-28

33: AU 31: 2019901824 32: 2019-05-28

54: METHOD OF DISEASE CONTROL

00: -

A method of treating a subject having a disease caused by a pathogen, preferably an acid-labile pathogen, said method comprising the step of applying to the subject a therapeutically effect amount of a topical composition having biocidal properties or both pain-relieving and biocidal properties. The composition can be used to treat or control bacterial, viral, fungal or infestational pathogens, and related diseases. The disease can be foot and mouth disease (FMD) or scabby mouth (orf), caused by an acid-labile virus. The topical

composition can be used to treat hoof rot/footrot/foot abscess and viral lesions.



21: 2021/10896. 22: 2021/12/23. 43: 2024/03/06
51: A61K; C07D
71: LUNELLA BIOTECH, INC.
72: SARGIACOMO, CAMILLO, LISANTI, MICHAEL P, SOTGIA, FEDERICA
33: US 31: 62/866,875 32: 2019-06-26
54: CARBOCYANINE COMPOUNDS FOR TARGETING MITOCHONDRIA AND ERADICATING CANCER STEM CELLS

00: -
Certain carbocyanine compounds target mitochondria and may be used for eradicating cancer stem cells (CSCs). For example, MitoTraeker Deep Red (MTDR) is a non-toxic, carbocyanine-based, far-red, fluorescent probe that is routinely used to chemically mark and visualize mitochondria in living cells. MTDR inhibits 3D mammosphere formation in MCF7 cells, MDA-MB-231 cells, and MDA-MB-468 cells, with an IC₅₀ between 50 to 100 nM. Also, MTDR exhibited near complete inhibition of mitochondrial oxygen consumption rates and ATP production, in all three breast cancer cell lines tested, at a level of 500 nM. Nano-molar concentrations of MTDR can be used to specifically target and eradicate CSCs, by selectively interfering with mitochondrial metabolism. Other carbocyanine compounds having anti-CSC activity are described.

21: 2022/00456. 22: 2022/01/10. 43: 2024/03/04

51: C07D; C07F; A61P; A61K
71: FORTEPHEST LTD.
72: KOZAK, ALEX, SHAPIRO, ISRAEL
33: US 31: 62/860,045 32: 2019-06-11
54: NOVEL NON-CODING HETEROCYCLIC AMINO ACIDS (NCHAA) AND THEIR USE AS HERBICIDES

00: -
The invention relates to a novel substituted amino acids, agricultural compositions comprising the novel substituted amino acids, and their use for controlling undesired plant growth alone or in combination with crop protection agents such as pesticides or plant growth regulators.

21: 2022/00536. 22: 2022/01/11. 43: 2024/05/02
51: B62J; B62K
71: VOSS, Darrell W.
72: VOSS, Darrell W.
33: US 31: 62/862,827 32: 2019-06-18
54: VEHICLE

00: -
A vehicle (300), comprising: a frame (310) comprising a head tube (314) and a rear driven axle support (312); a motion control system; and a payload support (320) movably connected to the frame (310) via the motion control system such that the payload support (320) moves non-linearly relative to the frame (310), wherein the payload support (320) comprises a seat support, and in a first operating state of the vehicle (300), the motion control system, in response to a driven acceleration of the frame (310) in a forward direction, imparts a force onto the payload support (320) that accelerates the seat support (320) in the forward direction at an acceleration no less than an acceleration of the rear driven axle support (312) in the forward direction.

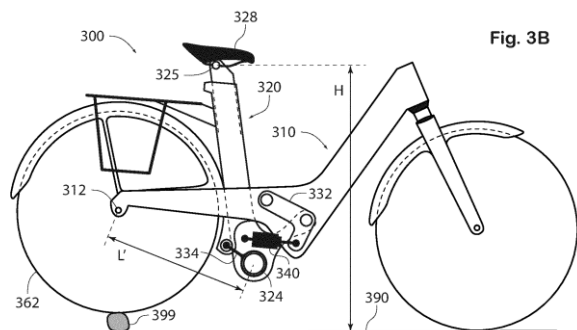
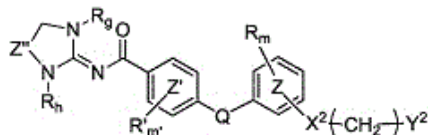


Fig. 3B



(I)

21: 2022/00541. 22: 2022/01/11. 43: 2024/03/05
51: C07D; A61P; A61K

71: ABIVAX, CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, UNIVERSITE DE MONTPELLIER, INSTITUT CURIE
72: SCHERRER, DIDIER, MAHUTEAU, FLORENCE, NAJMAN, ROMAIN, TAZI, JAMAL, SANTO, JULIEN, APOLIT, CÉCILE, LABEGUERE, FREDERIC, SAUTIER, BRICE, BIENVENU, NATACHA, AZZALI, ELISA

33: EP 31: 20305004.2 32: 2020-01-07

33: EP 31: 19305964.9 32: 2019-07-19

54: ARYL-N-ARYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION

00: -

The present invention relates to a compound of formula (I): wherein: X² represents a -CO-NR_k- group, a -NR'_k-CO- group, a -O- group, a -CO- group, a -SO₂-group, a -CS-NH- group, a -CH₂-NH-, a group, or a heterocyclyl, wherein the heterocyclyl is a 5- or 6-membered ring comprising 1, 2, 3 or 4 heteroatoms selected from O, S and/or N; Y² represents a hydrogen atom, a halogen atom, a hydroxyl group, a morpholinyl group, optionally substituted by a (C₁-C₄)alkyl group or a trifluoromethyl group, a bridged morpholinyl group, a (C₅-C₁₁)bicycloalkyl group, an adamantyl group, a piperidinyl group, a (C₁-C₄)alkenyl group, a -PO(OR_a)(OR_b) group, a 5-membered heteroaromatic ring or a -CR¹R²R³ group, or any of its pharmaceutically acceptable salt. The present invention further relates to new compounds, to pharmaceutical compositions containing them and to synthesis process for manufacturing them.

21: 2022/00773. 22: 2022/01/17. 43: 2024/03/01

51: A61J

71: ALCRESTA THERAPEUTICS, INC.

72: WIDOM, DAVID, FIRST, ERIC

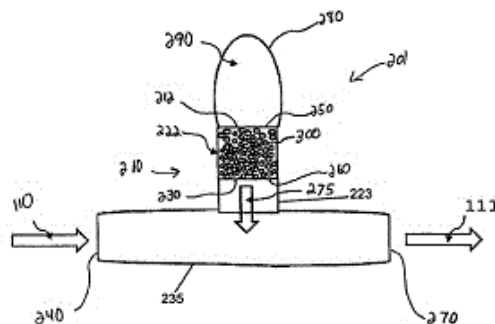
33: US 31: 15/998,410 32: 2018-08-15

33: US 31: 62/546,817 32: 2017-08-17

54: DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA

00: -

Exemplary embodiments of the disclosure may be drawn to a device having a vessel configured to contain a source of lipids and a chamber fluidly connected to an outlet of the vessel. The chamber may contain immobilized lipase positioned within a flow path in the chamber along which the lipids flow when released from the vessel into the chamber. The device may also include an outlet through which the lipids flow after passing through the chamber.



21: 2022/01010. 22: 2022/01/21. 43: 2024/03/01

51: C07F; A61K; C07H

71: EISAI R&D MANAGEMENT CO., LTD.

72: ENDO, ATSUSHI, YU, ROBERT T, FANG, FRANCIS, CHOI, HYEONG WOOK, SHAN, MINGDE

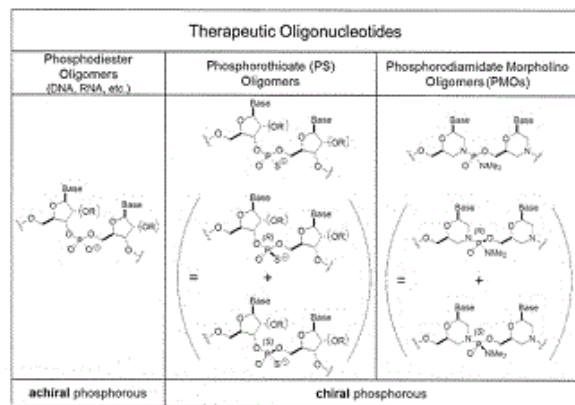
33: US 31: 62/201,510 32: 2015-08-05

54: CHIRAL REAGENTS FOR PREPARATION OF HOMOGENEOUS OLIGOMERS

00: -

We provide diastereomerically pure or substantially diastereomerically pure activated phosphoramidochloridate morpholino nucleosides, methods of their preparation, and methods of their

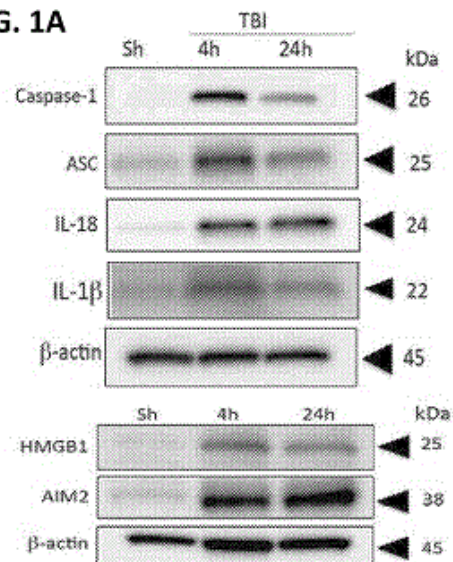
use in stereospecific coupling for stereospecific synthesis of diastereomerically pure phosphorodiamidate morpholino oligomers (PMOs).



21: 2022/01437. 22: 2022/01/31. 43: 2024/03/07
 51: C07K; A61K; A61P
 71: UNIVERSITY OF MIAMI
 72: KEANE, ROBERT W, DIETRICH, W. DALTON, DE RIVERO VACCARI, JUAN PABLO, BRAMLETT, HELEN M, BRAMBILLA, ROBERTA
 33: US 31: 16/026,482 32: 2018-07-03
54: COMPOSITIONS AND METHODS FOR TREATING INFLAMMASOME RELATED DISEASES OR CONDITIONS

00: -
 The compositions and methods described herein include agents that inhibit inflammasome signaling in the mammal such as antibodies directed against inflammasome components used alone or in combination with extracellular vesicle uptake inhibitor(s). Also described herein are compositions and methods of use thereof for treating inflammasome related diseases or conditions.

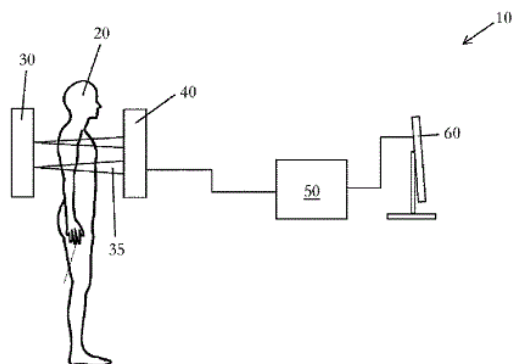
FIG. 1A



21: 2022/01715. 22: 2022/02/09. 43: 2024/03/14
 51: A61B
 71: ADAPTIX LIMITED
 72: WELLS, Steve, TRAVISH, Gil, EVANS, Mark, SCHMIEDEHAUSEN, Kristin
 33: GB 31: 1910038.7 32: 2019-07-12
54: A METHOD OF OBTAINING X-RAY IMAGES

00: -
 To obtain functional information (110) of a first object (20) obscured by a second object, with relatively low radiation dosage, a method is described of providing an x-ray imaging apparatus (10) comprising a panel (30) including an array of individually energisable x-ray emitters, a detector (40) and a processor (50), wherein the array and the detector remain stationary relative to one another and at least a portion of the second object; energising a first set of x-ray emitters of the panel over a first period of time and directing the x-rays at the first object; using the detector to detect the x-rays (35) after passing through the first object; processing the detected x-rays to create a first set of images to obtain tomosynthesis data (100) showing the structure of the first object; energising a second set of x-ray emitters of the panel over a second period of time and directing the x-rays at the first object; using the detector to detect the x-rays after passing through the first object; processing the detected x-rays to create a second set of images to obtain tomosynthesis data showing the structure of the first object, wherein the number of emitters used in the second period of time is less

than the number of emitters used in the first period of time; and comparing at least some images from each set of images to provide functional information relating to the density of the first object.



21: 2022/02300. 22: 2022/02/23. 43: 2024/02/29
51: C09D C08G C08F
71: BASF COATINGS GMBH
72: STEFFENS, Alexandra, LETTMANN, Bernhard,
RADEMACHER, Josef, HOFFMANN, Peter
33: EP 31: 19189314.8 32: 2019-07-31
**54: MIXER SYSTEM FOR PRODUCING AQUEOUS
COATING MATERIALS WITH LOW VOC**
00: -

The present invention relates to a mixer system for producing aqueous coating materials from at least one aqueous pigment paste A, comprising at least one effect pigment, and at least one pigment-free component B, comprising an aqueous, acrylate-based microgel dispersion having a glass transition temperature T_g of 50 to 60°C, where both the aqueous pigment paste A and the component B each have a VOC value of less than or equal to 250 g/L. The present invention further relates to a method for producing aqueous coating materials having a VOC content of 0 to 250 g/L, more particularly of 100 to 250 g/L, in which the individual components A and B are stored separately and not mixed until shortly before application, to give the aqueous coating material. The present invention lastly relates to the use of a mixer system of the invention for producing aqueous coating materials for refinishing and/or for the coating of automobile bodies and/or plastics parts.

21: 2022/02301. 22: 2022/02/23. 43: 2024/02/29
51: C09D C08F C08G

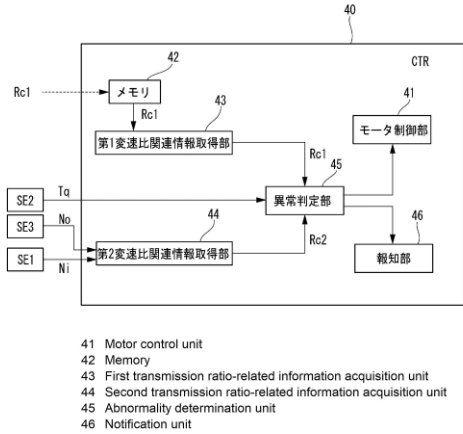
71: BASF COATINGS GMBH
72: STEFFENS, Alexandra, LETTMANN, Bernhard,
RADEMACHER, Josef, HOFFMANN, Peter
33: EP 31: 19189323.9 32: 2019-07-31
**54: MIXING SYSTEM FOR PRODUCING
AQUEOUS COATING AGENTS WITH A LOW VOC**
00: -

The invention relates to a mixing system for producing aqueous coating agents made of at least one aqueous pigment paste A, which comprises at least one coloring pigment, and at least one pigment-free component B, which comprises an aqueous acrylate-based microgel dispersion with a glass transition temperature T_g of 50 to 60 °C, wherein both the aqueous pigment paste A as well as the component B have a VOC value of less than or equal to 250 g/L. The invention additionally relates to a method for producing aqueous coating agents with a VOC content of 0 to 250 g/L, in particular 100 to 250 g/L, in which the individual components A and B are stored separately and are only mixed in order to form the aqueous coating agent shortly before applying. The invention finally relates to the use of a mixing system according to the invention for producing aqueous coating agents for spot repair and/or for coating automobile bodies and/or plastic parts.

21: 2022/02929. 22: 2022/03/10. 43: 2024/03/11
51: B62M
71: Honda Motor Co., Ltd.
72: NOMURA, Naoki, HATTORI, Makoto, ONUKI,
Hirohata, SUNAMOTO, Masayuki
33: JP 31: 2019-165698 32: 2019-09-11
**54: VEHICLE AND METHOD FOR MONITORING
ABNORMALITY IN MOTIVE POWER
TRANSMISSION MECHANISM**
00: -

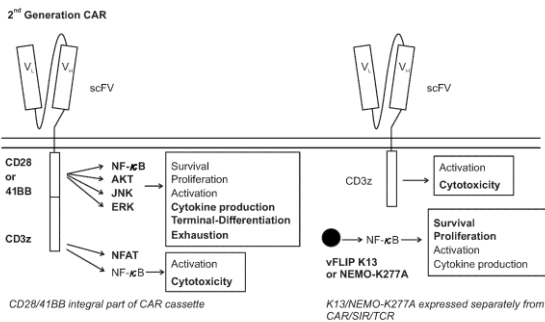
An electric bicycle 10 is provided with: a sleeve 26 to which motive power for driving the electric bicycle 10 is inputted; a rear wheel 78; and a motive power transmission mechanism T through which the motive power inputted to the sleeve 26 is transmitted to the rear wheel 78. The electric bicycle 10 either determines an abnormality in the motive power transmission mechanism T or suppresses or prohibits driving by means of the motive power transmission mechanism T, on the basis of a reference complex transmission ratio R_{c1} of the motive power transmission mechanism T acquired at

a first time and the present complex transmission ratio Rc2 of the motive power transmission mechanism T acquired at a second time subsequent to the first time.



21: 2022/05717. 22: 2022/05/24. 43: 2024/04/23
 51: A61K; C07K; C12N
 71: UNIVERSITY OF SOUTHERN CALIFORNIA
 72: CHAUDHARY, Preet M.
 33: US 31: 62/564,249 32: 2017-09-27
54: NOVEL PLATFORMS FOR CO-STIMULATION, NOVEL CAR DESIGNS AND OTHER ENHANCEMENTS FOR ADOPTIVE CELLULAR THERAPY
 00: -

The disclosure provides compositions and method that promote adoptive cellular therapy. The disclosure provides polynucleotides, vectors, systems and cells comprising chimeric antigen receptors (CARs), synthetic immune receptors (SIRs), and the like in combination the specific activators of NFκB activity, thus improving cellular proliferation, expression and reduced apoptosis, which improves cell persistence in adoptive cell therapy.



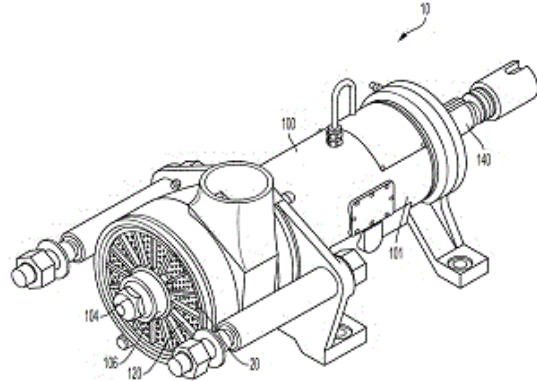
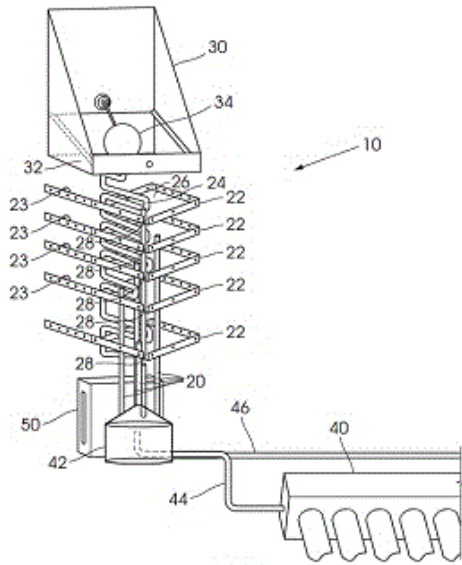
21: 2022/07825. 22: 2022/07/14. 43: 2023/04/18
 51: C07C
 71: HERAEUS DEUTSCHLAND GMBH & CO. KG
 72: KETTLER, Peter, WALTER, Richard, PETRI, Annika
 33: US 31: 17/444,643 32: 2021-08-06
54: IMPROVED PROCESS FOR THE MANUFACTURE OF HALOGENOBIS(ALKENE)RHODIUM(I) DIMERS OR HALOGENOBIS(ALKENE)IRIDIUM(I) DIMERS
 00: -

A process for the manufacture of a complex of the formula $[MHal(R1R2C=CR3R4)2]2$ with $M = Rh$ or Ir ; $Hal = Cl, Br$ or I ; and $R1R2C=CR3R4 =$ a gaseous mono olefin with 2 to 4 carbon atoms, the process comprising the steps: (1) preparing an aqueous alcoholic solution of a $MHal3$ hydrate salt, (2) reacting the dissolved $MHal3$ hydrate salt with the gaseous mono olefin $R1R2C=CR3R4$ under formation of precipitated $[MHal(R1R2C=CR3R4)2]2$, (3) optionally, cooling the reaction mixture obtained after conclusion of step (2) down to a temperature in the range of > 0 to $10\text{ }^\circ\text{C}$ and keeping it there, and (4) collecting and drying the precipitated $[MHal(R1R2C=CR3R4)2]2$, wherein the temperature of the reaction mixture during step (2) is kept in a range of 15 to $30\text{ }^\circ\text{C}$.

21: 2022/07945. 22: 2022/07/18. 43: 2024/03/01
 51: C02F; B01D
 71: CAPE PENINSULA UNIVERSITY OF TECHNOLOGY
 72: MSOMI, VELAPHI, MKHIZE, MFANAFUTHI MTHANDENI
 33: ZA 31: 2021/05366 32: 2021-07-29
54: MULTISTAGE SOLAR DESALINATION SYSTEM
 00: -

A vapour-based, multistage solar distillation system. The system includes a solar collector which heats a process fluid directly, an evaporator which is configured to receive heated process fluid from the solar collector, and a plurality of vapour conduits for conveying vaporised process fluid from the evaporator directly to a plurality of distillation stages. The top-most stage is a basin-type solar still which receives a fresh supply of process fluid from an external source. A process fluid conduit conveys the process fluid from the basin-type solar still, through the stages preceding the still, to a process fluid tank.

The tank comprises an outlet to the evaporator, and a valve housed in the process fluid tank is configured to control the flow of process fluid through the process fluid conduit. The system is configured to circulate, by natural convection, any unvaporised process fluid from the evaporator to the solar collector.



21: 2022/08267. 22: 2022/07/25. 43: 2024/03/01
 51: A47J
 71: COZZINI LLC
 72: KING, EDWIN EARL, BURNS, MICHAEL E
 33: US 31: 63/325,764 32: 2022-03-31
 33: US 31: 63/342,848 32: 2022-05-17
54: EMULSIFICATION SYSTEM

00: -
 An emulsion system is provided. The system includes a shaft that supports a plurality of cutting assemblies and plates in alternating order, wherein the cutting assembly rotates with respect to an in close proximity to the plate. The plurality of cutting plates each on their circumferential edge have an identification system to memorialize the diameter of the emulsion holes.

21: 2022/08367. 22: 2022/07/27. 43: 2024/03/04
 51: E21B
 71: GST RESEARCH AND DEVELOPMENT (PTY) LTD.
 72: ROODT, PETRUS HENDRIK
 33: ZA 31: 2021/05328 32: 2021-07-28
54: APPARATUS AND METHOD FOR ALIGNING A DRILLING MACHINE

00: -
 This invention concerns an apparatus and method for aligning a drilling machine relative to a rock face of a mining excavation. The apparatus includes a light emitting device, such as a laser emitter, which is mountable to the drilling machine in a manner allowing for adjustment in its mounting position relative to the drilling machine. The light emitting device is operable to emit a reference line associated with the position of the drilling machine such that the reference line can be aligned with an external datum line in order to align the drilling machine with the external datum line.

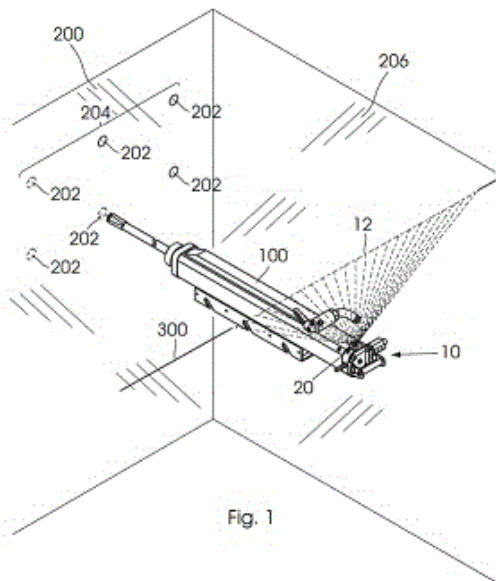


Fig. 1

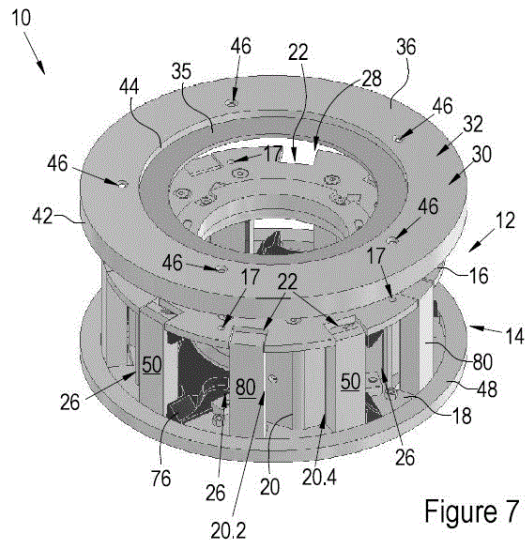


Figure 7

21: 2022/08433. 22: 2022/07/28. 43: 2024/03/19

51: B02C

71: ORECRUSHER S.A. (PTY) LTD.

72: VERWEIJ, Roeland

33: ZA 31: 2022/00846 32: 2022-01-19

54: ROTOR TIP BLOCK SECURING ARRANGEMENT

00: -

A rotor protection plate for mounting on an upper plate of a rotor body of a crusher, in particular a vertical shaft impact crusher, is provided. The rotor protection plate comprises a body having an inner face defining a guide slot that is operably arranged to be in register with a rotor tip block opening defined on the upper plate of the rotor body and spaced apart therefrom to allow for a rotor tip block to be partly inserted into the guide slot during removal of the rotor tip block from, or insertion of the rotor tip block into, the rotor body.

21: 2022/08981. 22: 2022/08/11. 43: 2024/04/18

51: A47J

71: CENTRAL UNIVERSITY OF TECHNOLOGY, FREE STATE

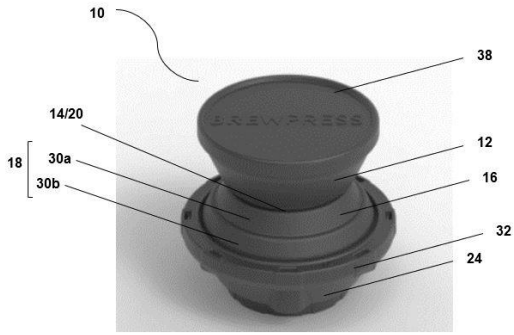
72: KINNEAR, William Allan, HUGO, George, VAN HEERDEN, Altus

33: ZA 31: 2021/05534 32: 2021-08-06

54: COMPACT COFFEE PRESS

00: -

The invention relates to a compact coffee press comprising plunger member, a soft, flexible diaphragm, and a receptacle member comprising an outlet, wherein the diaphragm is reversibly displaceable between a first position where the plunger member is elevated above the diaphragm, and a second position where the plunger member is depressed and the diaphragm is inverted, the plunger member fitting substantially within the diaphragm, and the diaphragm fitting substantially within the receptacle member. The invention further relates to a method of brewing and extracting coffee with the use of the compact coffee press.



21: 2022/09129. 22: 2022/08/15. 43: 2024/05/14
51: B26B

71: DE KLERK, John Christopher, GOLDING, Andrew Mark

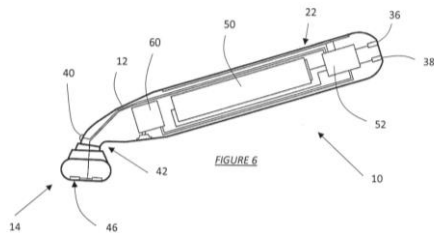
72: DE KLERK, John Christopher, GOLDING, Andrew Mark

33: ZA 31: 2021/05286 32: 2021-07-27

54: RAZOR

00: -

A razor which comprises a body, a shaving arrangement on the body, an energy source in the body, and at least one appliance, mounted to the body, which is powered by the energy source and which is selected from the following: (a) a heating pad adjacent the shaving arrangement which is configured to contact skin of a user during shaving; (b) a light source positioned to illuminate an area of the skin which has been shaved or which is to be shaved by the shaving arrangement; and (c) an audio system which produces an audio output discernible to a user of the razor.



21: 2022/09170. 22: 2022/08/16. 43: 2024/05/14
51: B65D

71: DE KLERK, John Christopher, GOLDING, Andrew Mark

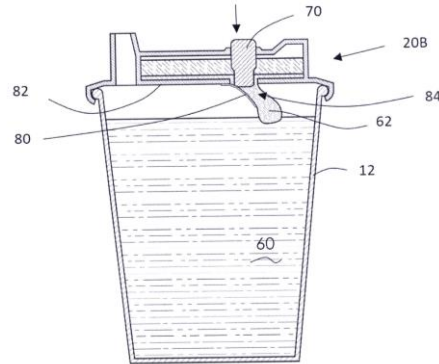
72: DE KLERK, John Christopher, GOLDING, Andrew Mark

33: ZA 31: 2021/05089 32: 2021-07-20

54: BEVERAGE CONTAINER

00: -

A beverage container which comprises a vessel for the beverage, the vessel including a mouth and a rim at the mouth, and a member which is engageable with the rim, the member including a sealed reservoir which contains an additive for the beverage, and wherein the reservoir can be unsealed by user-action thereby to allow the additive to be dispensed from the reservoir into the beverage in the vessel.



21: 2022/09186. 22: 2022/08/16. 43: 2024/04/18
51: C22B

71: HERAEUS DEUTSCHLAND GMBH & CO. KG

72: RÖHLICH, Christoph, BAUER-SIEBENLIST, Bernhard, WINKLER, Holger, FRIEDRICH, Karl Bernhard, VIETEN, Diana

33: EP 31: 20157810.1 32: 2020-02-18

54: METHOD FOR PRODUCING A PRECIOUS METAL-CONTAINING COLLECTOR ALLOY OR PURE SILVER

00: -

The invention relates to a method for producing a collector alloy which comprises a total of 25 to 100 wt.% of precious metal, comprising 0 to <97 wt.% of the precious metal silver, 0 to 75 wt.% of at least one precious metal selected from gold, platinum, rhodium, and palladium, and 0 to 75 wt.% of at least one non precious metal selected from copper, iron, tin, and nickel or for producing pure silver, having the steps of: (1) providing precious metal waste comprising a total of 4 to 30 wt.% of precious metal, comprising 0 to 30 wt.% of the precious metal silver, 0 to 10 wt.% of at least one precious metal selected from gold, platinum, rhodium, and palladium, 0 to 10 wt.% of at least one non-precious metal selected from copper, iron, tin, and nickel, and 70 to 96 wt.% of at least one refractory inorganic material, (2) providing a fluxing agent which, when melted

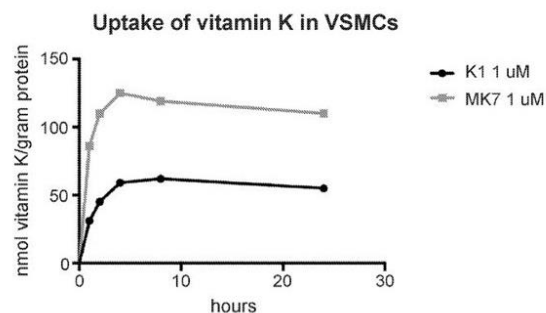
together with the refractory inorganic material from the precious metal waste provided in step (1), is capable of forming a molten slag consisting of >35 to 45 wt.% of calcium oxide, 35 to 45 wt.% of silicon dioxide, 15 to <20 wt.% of aluminum oxide, and 0 to <15 wt.% of one or more refractory inorganic compounds differing from calcium oxide, silicon dioxide, and aluminum oxide, (3) melting together the materials provided in steps (1) and (2) at a temperature ranging from 1300 to 1600 °C, thereby forming a melt comprising at least two phases of different densities, said phases lying one over the other, and (4) separating the upper phase and the lower phase, wherein the upper phase comprises a slag phase consisting of >35 to 45 wt.% of calcium oxide, 35 to 45 wt.% of silicon dioxide, 15 to <20 wt.% of aluminum oxide, and 0 to <15 wt.% of one or more refractory inorganic compounds differing from calcium oxide, silicon dioxide, and aluminum oxide, and the lower phase comprises the collector alloy or pure silver. None of the materials used in the method comprise copper oxide apart from the copper oxide optionally used as the outer copper oxide layer provided on metallic copper.

21: 2022/09447. 22: 2022/08/23. 43: 2024/04/18
51: A61K; A61P
71: Nattopharma AS.
72: VAN GORP, Rick
33: US 31: 62/817,037 32: 2019-03-12

54: USE OF VITAMIN K IN COMBINATION WITH ANTICOAGULANTS

00: -

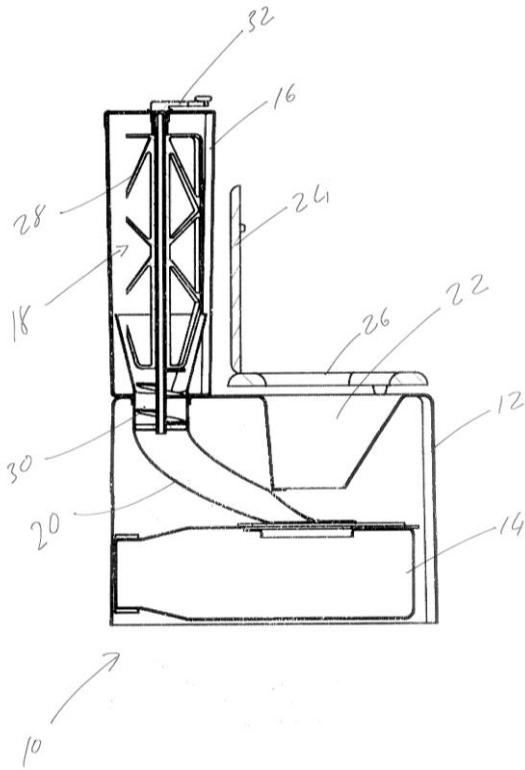
A method of treating or preventing a condition characterized by unacceptable blood clotting and/or an increased risk thereof, the method including administering to a subject in need thereof a combination of vitamin K2 and at least one anticoagulant, the at least one anticoagulant having a first anticoagulant configured to inhibit free Factor Xa and/or Factor Xa bound in a prothrombinase complex of the subject.



21: 2022/09544. 22: 2022/08/26. 43: 2024/03/14
51: A47K
71: VERMAAK, Gladys, Henriëtte
72: VERMAAK, Gladys, Henriëtte
33: ZA 31: 2021/06075 32: 2021-08-24
54: A WATERLESS TOILET

00: -

A waterless toilet which includes a housing, an excrement receptacle for keeping excrement, in use, housed within the housing, a flush medium receptacle arranged upstream the excrement receptacle, for in use, keeping waterless flush medium, a dispenser operatively connected to the flush medium receptacle for dispensing flush medium out of the receptacle, and a guide formation located downstream the dispenser for guiding flush medium out of flush medium receptacle towards the excrement receptacle.



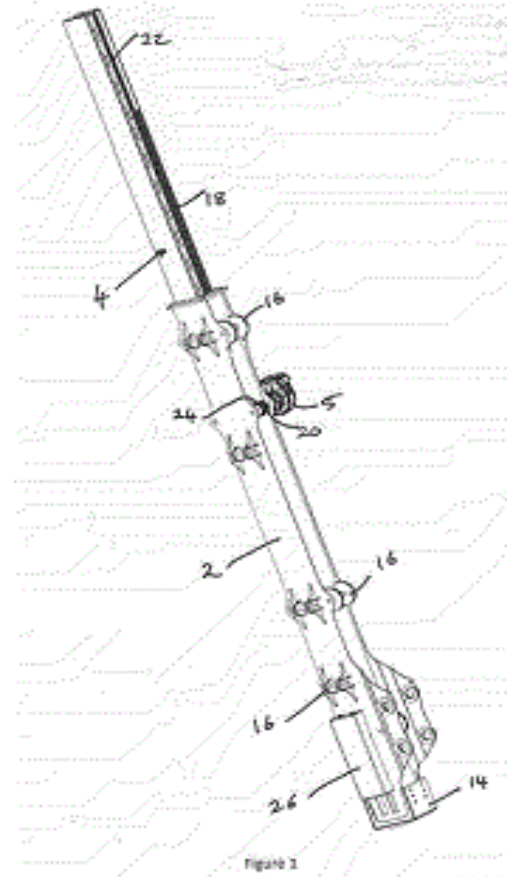
21: 2022/09629. 22: 2022/08/29. 43: 2024/02/29
 51: F16C B25D B28D E02D E02F
 71: ROCK EXTRACTION LIMITED
 72: JACKMAN, Stephen, PFEUFFER, Falko,
 DAWSON, Ian

33: GB 31: 2002042.6 32: 2020-02-14

54: TOOL FOR BREAKING ROCKS

00: -

A tool for breaking rocks comprising a tool head (4) supported by a guide means (2) to be linearly displaceable with respect to the guide means between a retracted position and an extended position, a distal end of said tool head extending from said guide means to engage a surface to be broken when the tool head is in its extended position; a drive means (5,18,20) adapted to drive said tool head towards its retracted position in a first operation and to drive the tool head towards its extended position in a second operation, said drive means including a drive part mounted on said guide means (5,20) and a driven part (18) mounted on the tool head and engaged by said drive part to be linearly displaceable with respect to the guide means upon operation of the drive part of the drive means; and a controller adapted to control operation of the drive means.



21: 2022/09919. 22: 2022/09/06. 43: 2024/05/14
 51: E21C; E21D; E21F

71: JOY GLOBAL UNDERGROUND MINING LLC
 72: HANNA, Peter, PLUMB, Daniel, TYLER, Callum
 33: US 31: 63/241,517 32: 2021-09-07

54: SUPPORT FOR DRILLING AND BOLTING TOOL

00: -

A boom for supporting a drilling and bolting tool includes a first portion, a second portion, an actuator for moving the second portion relative to the first portion in a direction parallel to the longitudinal axis. The second portion includes an elongated shaft having a proximal end and a distal end, the proximal end supported by a shaft support for movement relative to the first portion in a direction parallel to the longitudinal axis, the distal end configured to support the drilling and bolting tool.

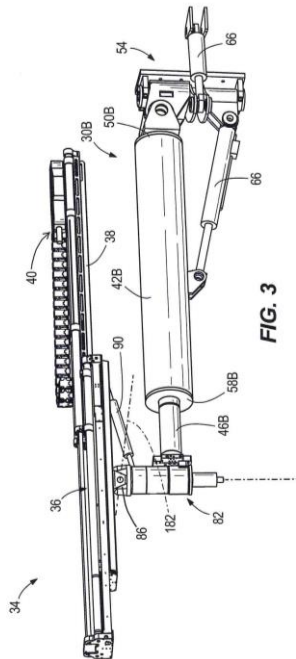
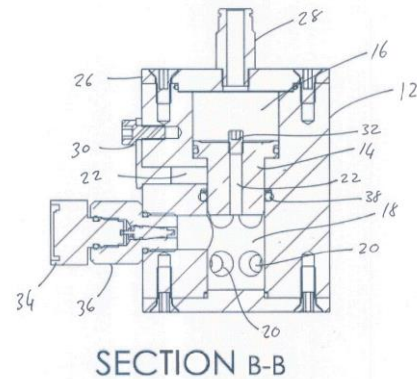


FIG. 3



SECTION B-B

21: 2022/09947. 22: 2022/09/07. 43: 2024/03/14
 51: F16K
 71: I-CAT INTERNATIONAL CONSULTING AND TRADING (PTY) LTD
 72: ROTHMANN, David, Schalk, VAN ZYL, Stanley, Percy, Henry, VAN DER MERWE, Antonie, Duminy
 33: ZA 31: 2021/06114 32: 2021-08-25

54: A VENT VALVE

00: -
 A vent valve which is biased toward a normally closed condition and displacement of the valve piston towards an open condition is facilitated when experiencing a pressure drop in the pipeline chamber relative the fluid source chamber and/or when experiencing a pressure differential measured over the pair chambers causing pressurised fluid in the fluid source chamber to vent out of the vent port.

21: 2022/10004. 22: 2022/09/08. 43: 2024/04/12
 51: A61K; C07D
 71: ARCUS BIOSCIENCES, INC.
 72: BEATTY, JOEL, DEBIEN, LAURENT, JEFFREY, JENNA, LELETI, MANMOHAN REDDY, MANDAL, DEBASHIS, MILES, DILLON, POWERS, JAY, ROSEN, BRANDON, THOMAS-TRAN, RHIANNON, SHARIF, EHESAN

33: US 31: 62/448,608 32: 2017-01-20
 33: US 31: 62/479,005 32: 2017-03-30
54: AZOLOPYRIMIDINE FOR THE TREATMENT OF CANCER-RELATED DISORDERS

00: -
 Compound that is an inhibitor of at least one of the A2A and A2B adenosine receptors, and compositions containing the compound and methods for synthesizing the compound, are described herein. The use of such compound and compositions for the treatment of a diverse array of diseases, disorders, and conditions, including cancer- and immune-related disorders that are mediated, at least in part, by the adenosine A2A receptor and/or the adenosine A2B receptor.

21: 2022/10019. 22: 2022/09/08. 43: 2024/04/29
 51: H02J
 71: CONDUCTIFY LIMITED
 72: TENNANT, Robert
 33: GB 31: 2102250.4 32: 2020-02-17
 33: GB 31: 2002293.5 32: 2020-02-19

54: HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM

00: -
 A method for managing an energy system having one or more renewable energy sources, one or more

energy storage devices, one or more loads, and a grid connection for connecting at least temporarily to an external energy distribution grid is disclosed. The method generates a prediction of energy demand of the loads using historical energy demand data, and a prediction of renewable energy availability from the renewable energy sources using weather forecast data. An amount of energy to be obtained from the distribution grid is determined in dependence on the prediction of renewable energy availability and the prediction of energy demand. An energy conservation strategy is generated using the predictions and determined energy amount, and energy supplied to one or more of the energy storage devices and/or one or more of the loads is adjusted automatically according to the energy conservation strategy.

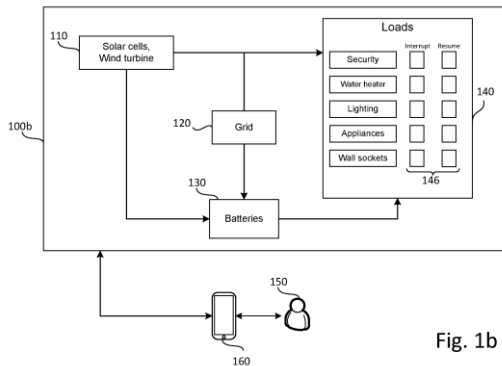


Fig. 1b

21: 2022/10027. 22: 2022/09/08. 43: 2024/03/06
 51: A61K; A61P
 71: ADVENT THERAPEUTICS INC.
 72: GELFAND, CRAIG, SEGAL, ROBERT, LOPEZ, DAVID
 33: US 31: 62/972,784 32: 2020-02-11
54: COMPOSITIONS OF VITAMIN A PALMITATE, PROCESSES FOR THEIR PREPARATION, USES AND METHODS COMPRISING THEM

00: -
 The present invention provides pharmaceutical compositions comprising a therapeutically effective dose of vitamin A palmitate; processes for their preparation, and uses and methods of treatment comprising them. The compositions provided by the present invention may be used in the treatment and/or prophylaxis of conditions and diseases caused by vitamin A deficiency.

21: 2022/10423. 22: 2022/09/20. 43: 2024/03/11

51: B60L; B60T; B61C; B61H
 71: Ecolution kWh, LLC
 72: THEN-GAUTIER, Johnny, MEDINA THEN, Johanne G.
 33: US 31: 63/024,888 32: 2020-05-14
54: SUPPLEMENTAL ENERGY GENERATION AND STORAGE FOR TRAINS

00: -
 The invention relates to the supplemental generation of energy from operation of a train, and specifically to the generation of energy in connection to the rotation of disc brake rotors in combination with generators. Rotation of the disc brake rotors creates rotational energy that is transmitted to the generators, which then transmits the energy to a series of batteries for storage. The batteries may be stored in the platform for the train and/or within the train car itself. Energy from the batteries may be utilized by removal of the batteries from the train or through a number of outlets, sockets or connectors associated with the train car or platform.

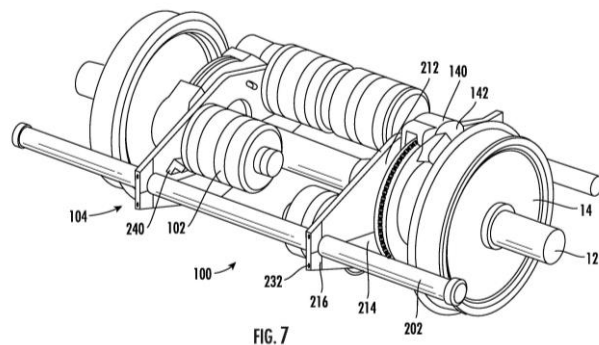


FIG. 7

21: 2022/10467. 22: 2022/09/21. 43: 2024/03/14
 51: C07D C07C C08K D01F
 71: BASF SE
 72: VILLENEUVE, Sebastien, NESVADBA, Peter, MUELLER, Daniel, DABBOUS, Raphael
 33: EP 31: 20159546.9 32: 2020-02-26
54: ADDITIVE MIXTURES FOR RHEOLOGY MODIFICATION OF POLYMERS

00: -
 A mixture comprising a hydroxylamine ester and an isocyanate functionalized with a thio compound for modifying the rheology of polymeric substrates.

21: 2022/10991. 22: 2022/10/06. 43: 2024/04/10
 51: B01J; C12N; C12Q
 71: UNIVERSITÉ DE LIÈGE

72: BOSCHINI, Frédéric, BODART, Jérôme, CLOOTS, Rudi

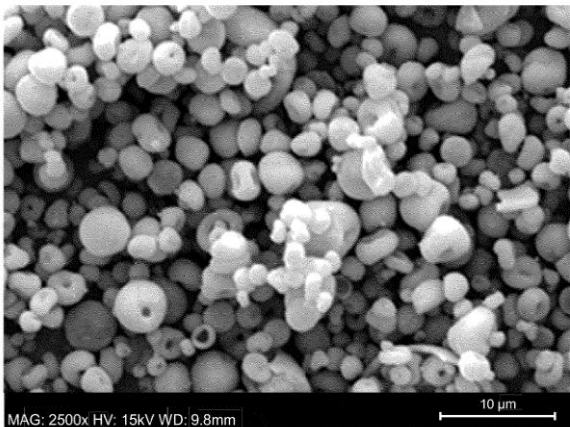
33: US 31: 63/001,680 32: 2020-03-30

33: EP 31: 20214855.7 32: 2020-12-17

54: PREPARATION OF MAGNETIC CORE-SHELL PARTICLES

00: -

The invention relates to a process for preparing core-shell particles comprising the steps of (i) providing a dispersion of primary magnetic particles having a mean diameter lower than 200 nm in a solvent; (ii) adding one or more (semi-)metal (oxyhydr)oxide(s) and/or one or more precursor(s) of a (semi-)metal (oxyhydr)oxide to said dispersion; (iii) optionally adding a hydrolysis agent for said one or more precursor(s); (iv) injecting the dispersion in a spray dryer; whereby a (semi-)metal (oxyhydr)oxide shell is formed on the magnetic particles during spray drying. The invention also relates to particles obtainable by said process, to a formulation of said particles in a solvent and to the use of said particles or said formulation for RNA or DNA extraction.



21: 2022/11080. 22: 2022/10/10. 43: 2024/03/05

51: H04B; H04L

71: MICROSOFT TECHNOLOGY LICENSING, LLC

72: CHAKRABORTY, TUSHER, KAPETANOVIC, ZERINA, VASISHT, DEEPAK, CHANDRA, RANVEER

33: IN 31: 202041021481 32: 2020-05-21

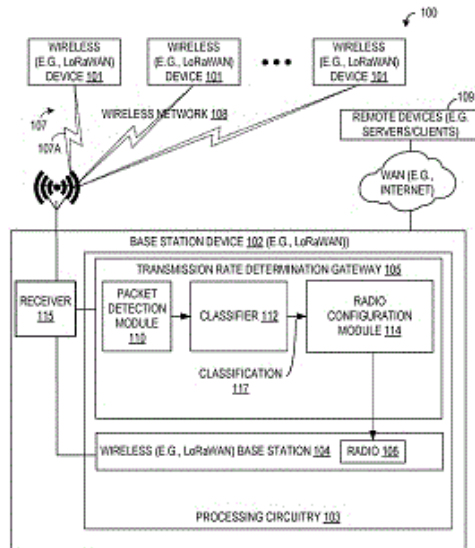
33: US 31: 16/936,144 32: 2020-07-22

54: ADAPTIVE RADIO CONFIGURATION IN WIRELESS NETWORKS

00: -

A wireless networking system is provided. The wireless networking system includes a base station device including processing circuitry configured to

detect a transmission rate from a portion of a preamble of an incoming packet transmission signal and adapt a radio configuration to receive a remainder of the incoming packet transmission signal at the transmission rate.



21: 2022/11160. 22: 2022/10/12. 43: 2024/03/14

51: H04W H04L

71: PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA

72: TRAN, Xuan Tuong, NISHIO, Akihiko, MAKI, Shotaro, SUZUKI, Hidetoshi, KUANG, Quan, LI, Hongchao

33: SG 31: 10202003546X 32: 2020-04-17

54: CONTROL RESOURCE SET ZERO FOR REDUCED CAPABILITY NEW RADIO DEVICES

00: -

The present disclosure provides communication apparatuses and communication methods for implementation of Control Resource Set Zero (CORESET#0) for Reduced Capability (RedCap) New Radio Devices. The communication apparatuses include a communication apparatus which comprises a receiver, which in operation, receives a physical downlink control channel (PDCCH) on a control resource set zero (CORESET#0) of which time and frequency resources are defined based on a bandwidth configuration of reduced capacity user equipments (RedCap UEs), and receives a system information block type 1 (SIB1) physical downlink shared channel (PDSCH) which is scheduled based on the CORESET#0; and circuitry, which in operation,

determines control information and parameters from the PDCCH on CORESET#0 to read SIB1 for initial access, handover, or beam failure recovery.

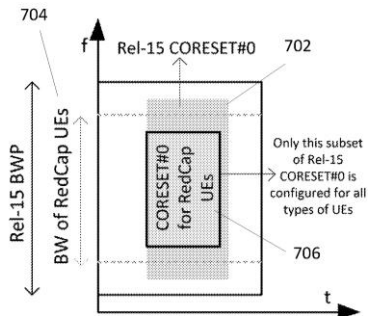
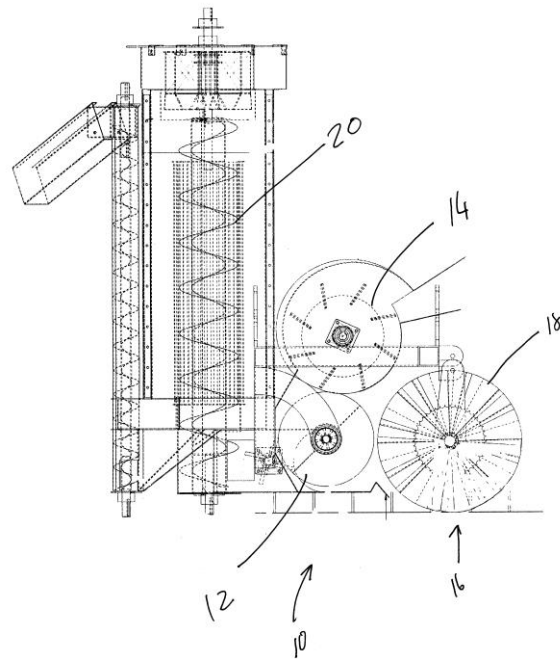


Fig. 7



21: 2022/11432. 22: 2022/10/19. 43: 2024/03/14
51: A01D

71: VAN DER MERWE, Paul, Stephanus

72: VAN DER MERWE, Paul, Stephanus

33: ZA 31: 2021/07242 32: 2021-09-28

54: AGRICULTURAL HARVESTER

00: -

According to the invention there is provided an agricultural harvester which includes: a collector arrangement for collecting biomass material strewn over a ground surface; a separator arranged upstream the collector arrangement for separating grain containing material out of the collected biomass material; and a grain stripper located upstream the separator for stripping grain from the grain containing material

21: 2022/11525. 22: 2022/10/21. 43: 2024/04/10

51: A61K; A61Q

71: L'OREAL

72: ATTWELL, Shannon, EASON, Jason, MOLAMODI, Kwezikazi, DONCK, Simon

54: COSMETIC PROCESS FOR STRENGTHENING STRAIGHTENED HAIR WITH A COMPOSITION COMPRISING CYSTEINE AND A PARTICULAR FATTY ACID TRIGLYCERIDE

00: -

The invention relates to a cosmetic process for treating straightened keratin fibres, in particular human keratin fibres such as the hair, comprising the application of a cosmetic composition comprising cysteine and a particular fatty acid triglyceride.

21: 2022/11593. 22: 2022/10/24. 43: 2024/03/04

51: C12N; A61K; C07K

71: WALKING FISH THERAPEUTICS, INC.

72: BOYLE, KATHLEEN, PARK, HANGIL,

KOTHAKOTA, SRINIVAS, SELBY, MARK,

BRENNAN, THOMAS, WILLIAMS, LEWIS T

33: US 31: 63/003,120 32: 2020-03-31

33: US 31: 63/073,799 32: 2020-09-02

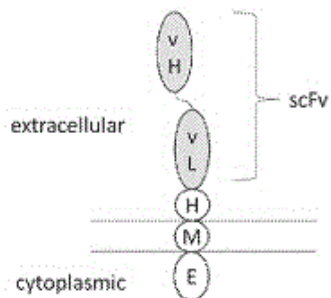
54: MODIFIED B CELLS AND METHODS OF USE THEREOF

00: -

The present invention relates to genetically modified B cells and their uses thereof, for example, for the treatment of a variety of diseases and disorders,

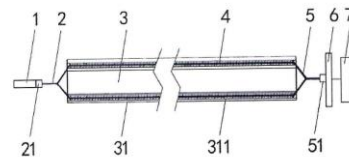
including cancer, heart disease, inflammatory disease, muscle wasting disease, neurological disease, and the like. In certain embodiments, the invention relates to an isolated modified B cell ("CAR-B cell), capable of expressing a chimeric receptor ("CAR-B receptor"), wherein said chimeric receptor comprises (a) an extracellular domain; (b) a transmembrane domain; and (c) a cytoplasmic domain that comprises at least one signaling domain. In various embodiments, the invention comprises an isolated modified B cell, wherein said B cell is capable of expressing and secreting a payload, wherein the payload is not naturally expressed in a B cell or is expressed at higher levels than is naturally expressed in a B cell. In various embodiments, the payload is an antibody or fragment thereof.

Example of cBCR on cell membrane



vH: heavy chain variable region
 vL: light chain variable region
 H: hinge region
 M: transmembrane domain
 E: cytoplasmic signaling domain

module, two optical fibers, a beam combiner and an optical acquisition device. One optical fiber is fixed to each of upper and lower backsheets of the photovoltaic module; and the laser input device is connected with one end of each of the two optical fibers through the beam splitter, and the optical acquisition device is connected with the other ends of the two optical fibers through the beam combiner. The system is simple in structure and free of manual measurement. The method includes steps: inputting laser signals, by the laser input device, into the beam splitter for beam splitting; and acquiring, by the optical acquisition device, an optical image of a first laser superposition signal obtained after beam combination of the beam combiner; and calculating a radius of curvature of bending of the photovoltaic module through the optical image of the first laser superposition signal. The method is convenient to operate, and obtained results are more accurate.



21: 2022/11774. 22: 2022/10/28. 43: 2024/05/14
 51: G01D; H01L

71: ZHEJIANG BEYONDSU PV CO., LTD.
 72: HE Yifeng, DA Wei, LIU Guilin, QIU Xiaoyong,
 YAO Chunmei, GAO Yonggang, WANG Xingzhu,
 ZHAO Qingguo, ZHOU Haiquan

33: CN 31: 202111567613X 32: 2021-12-21

54: SYSTEM AND METHOD FOR MEASURING BENDING OF PHOTOVOLTAIC MODULE

00: -

The present disclosure provides a system and method for measuring bending of a photovoltaic module, and relates to the technical field of detection of photovoltaic modules. The system includes a laser input device, a beam splitter, the photovoltaic

21: 2022/11945. 22: 2022/11/02. 43: 2024/02/29
 51: H04L H04B H04W

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: MURUGANATHAN, Siva, MÄÄTTÄNEN, Helka-Liina, GAO, Shiwei

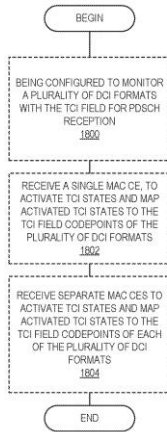
33: US 31: 63/007,746 32: 2020-04-09

54: SYSTEMS AND METHODS FOR TCI STATE ACTIVATION AND CODEPOINT TO TCI STATE MAPPING

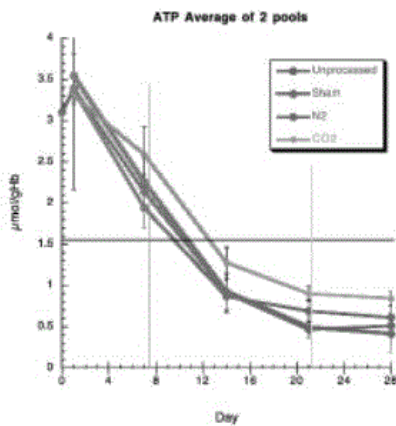
00: -

Systems and methods for TCI state activation and codepoint to TCI state mapping are provided. A method performed by a wireless device for activating TCI states includes one or more of: being configured to monitor a plurality of DCI formats with the TCI field for PDSCH reception; receiving a single MAC CE to activate TCI states and map activated TCI states to the TCI field codepoints of the DCI formats; and receiving separate MAC CEs to activate TCI states and map activated TCI states to the TCI field codepoints of each of the plurality of DCI formats. As such, TCI states for downlink scheduling can be more flexibly chosen for each DCI format by using

separate MAC CEs. Additionally, default TCI state definitions might be provided when state activation and state to TCI field codepoint mapping to multiple DCI formats are provided by either a single or different MAC CEs.



21: 2022/11980. 22: 2022/11/03. 43: 2024/05/15
 51: A61K; A61P
 71: HEMANEXT INC.
 72: DUNHAM, Andrew, YOSHIDA, Tatsuro
 33: US 31: 62/508,783 32: 2017-05-19
54: METHODS AND TREATMENT OF TRAUMA
 00: -
 Methods for the reversal of hemorrhagic shock or hemorrhagic trauma.



21: 2022/12448. 22: 2022/11/15. 43: 2024/04/03
 51: F01K
 71: SCHWARZ, Helmut, SCHWARZ, Anton
 72: SCHWARZ, Anton
 33: DE 31: 10 2020 110 854.0 32: 2020-04-21
54: SYSTEM HAVING A LIQUID AIR ENERGY STORAGE AND POWER PLANT APPARATUS
 00: -

The invention relates to a system (10) having a liquid air energy storage and power plant apparatus (12), having a charging component (16) comprising a compressor (26) for compressing supplied air and comprising a liquefier (40) which adjoins said compressor and which serves for liquefying the air, having a storage component comprising an air store (18) for storing the liquefied air, and having a discharging component (20) comprising an evaporation apparatus (62) for converting liquid air into gaseous compressed air, wherein heat energy is supplied to the evaporation apparatus (62) via a first heat line (68), and comprising an expansion apparatus which serves for expanding the compressed air and which has a turbine (76) and a generator (78) which is connected to the turbine (76). According to the invention, an apparatus (14) for permanent water electrolysis having at least one first heat exchanger (94, 96) is provided, by means of which the heat energy generated during the electrolysis is absorbed by a fluid flowing through the first heat exchanger (94, 96). The first heat exchanger (94, 96) is connected to the first heat line (68) such that the heat energy generated during the electrolysis is dissipated via the first heat exchanger (94, 96) by means of the fluid and is fed to the evaporation apparatus (62).

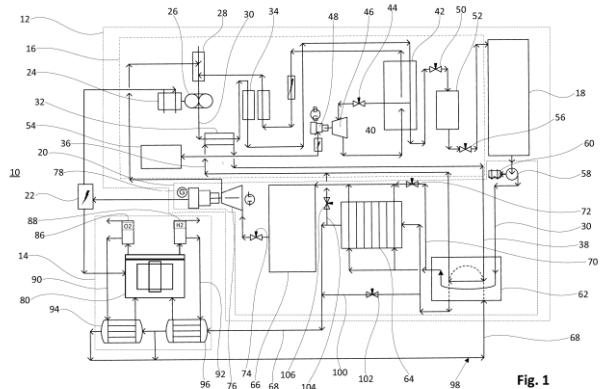


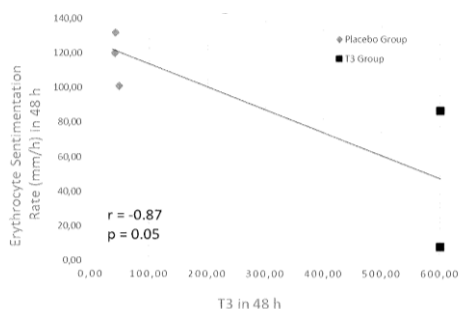
Fig. 1

21: 2022/12502. 22: 2022/11/16. 43: 2024/03/14
 51: A61K A61P
 71: UNI-PHARMA KLEON TSETIS
 PHARMACEUTICAL LABORATORIES S.A., TSETI,
 Ioulia
 72: PANTOS, Constantinos, MOUROUZIS, Iordanis
 33: GR 31: 20200100200 32: 2020-04-21
 33: GR 31: 20200100695 32: 2020-11-23
 33: GR 31: 20210100216 32: 2021-03-29

54: PHARMACEUTICAL COMPOSITION COMPRISING L-TRIODOTHYRONINE (T3) FOR USE IN THE TREATMENT OF TISSUE HYPOXIA AND SEPSIS

00: -

The present invention relates to a composition comprising L-triiodothyronine or a pharmaceutically acceptable salt thereof, for use in the treatment of inflammatory response and one or multi-organ dysfunction, including kidney, liver, brain, lung, heart, gastrointestinal hematopoietic, and/or coagulatory system, due to long standing hypoxia and microvascular dysfunction, in patients with sepsis, coronavirus infection, cancer, severe trauma, and/or in heart and/or other organ transplants.



21: 2022/12863. 22: 2022/11/25. 43: 2024/04/18
51: A01N; A01P
71: Dylan John SETTER, Quinten Colin DICKERSON

72: SETTER, Dylan John, DICKERSON, Quinten Colin

33: ZA 31: 2020/03127 32: 2020-05-27

54: PROBIOTIC BACILLUS SANITISER

00: -

The invention herein described refers to a probiotic Bacillus surface sanitiser comprising a sanitising agent, a probiotic Bacillus sp. and a surfactant, but excluding any stabiliser, as well as a process for manufacturing the probiotic Bacillus surface sanitiser. The invention further refers to a method of killing or inhibition of the growth of pathogenic or undesirable microorganisms on a surface by application of the probiotic Bacillus surface sanitiser of the invention.

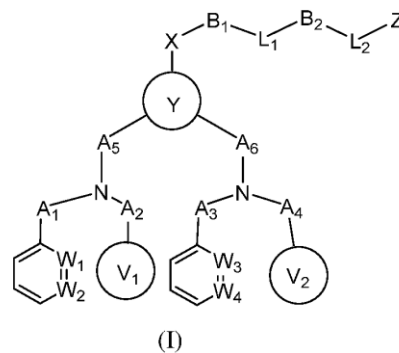
21: 2022/12959. 22: 2022/11/29. 43: 2024/04/03
51: A61K; C07D
71: NATIONAL HEALTH RESEARCH INSTITUTES
72: SHIH, Chuan, TSOU, Lun Kelvin, HUANG, Kuan-Hsun, CHEN, Chiung-Tong

33: US 31: 63/042,276 32: 2020-06-22

54: POLY HETEROCYCLIC CONJUGATES AND THEIR PHARMACEUTICAL USES

00: -

Compounds of Formula (I) shown below and a pharmaceutical composition containing one of the compounds. Each of the variables is defined herein. Also disclosed is a method of treating a condition associated with uncontrolled cell growth with a compound of Formula (I).



21: 2022/13053. 22: 2022/12/01. 43: 2024/03/06
51: C07D; A61K; A61P
71: LUNELLA BIOTECH, INC.

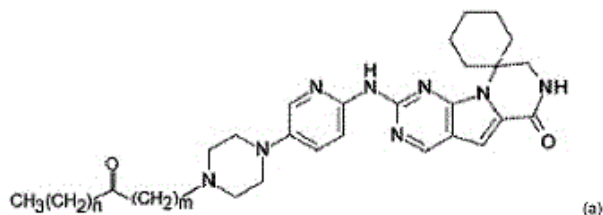
72: LISANTI, MICHAEL P, SOTGIA, FEDERICA, KANGASMETSA, JUSSI

33: US 31: 63/037,898 32: 2020-06-11

54: SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS

00: -

This disclosure describes embodiments of selective and potent CDK 4/6 inhibitors that show advantageous inhibition of cancer growth, even at low concentrations. As described herein, compounds of the present approach comprise substituted pyridinylpiperazine-pyrrolopyrimidine compounds having a fatty acid moiety. The compounds described herein may be used as pharmaceutical compounds for anti-cancer therapies, and are useful for the treatment, prevention and/or amelioration of cancer. Formula (a).



21: 2022/13212. 22: 2022/12/06. 43: 2024/04/16
51: A01N; A01P

71: UNIVERSITÉ LIBRE DE BRUXELLES
72: CANNELLA, David, ZARATTINI, Marco
33: EP 31: 20189578.6 32: 2020-08-05

54: PLANT PATHOGEN DEFENCE ELICITORS

00: -

The invention relates to uses of, and methods employing, cellobionic acid or a phytopharmaceutically acceptable salt thereof as plant pathogen defence elicitor. Also provided are phytopharmaceutical compositions comprising cellobionic acid or a phytopharmaceutically acceptable salt thereof, and applications thereof. In certain preferred embodiments, the compositions may further comprise other oxidised cellodextrin(s) or may comprise oxidised cellodextrins and native cellodextrins. In certain preferred embodiments, the compositions may be produced by decomposition of cellulose by one or more lytic polysaccharide monoxygenases (LPMO).

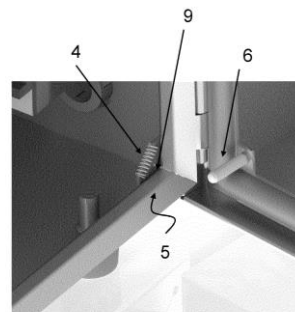
21: 2022/13502. 22: 2022/12/13. 43: 2024/04/18
51: H05K

71: PRIMOZONE PRODUCTION AB
72: STOLTZ, Fredrik, VAN DER SCHAAF, Joakim
33: EP 31: 20180560.3 32: 2020-06-17

54: A SYSTEM AND METHOD FOR PROTECTING CABINETS FROM EMI

00: -

The present invention relates to a grounding method and system for providing grounding and electromagnetic shielding to a cabinet configured for containing an ozone generator.



21: 2022/13503. 22: 2022/12/13. 43: 2024/04/18
51: A01K; C07K; C12N

71: BIOCETOGEN PHARMACEUTICALS (BEIJING) CO., LTD.

72: ZHAO, Huizhen, YAO, Jiawei, YANG, Yi, SHEN, Yuelei, ZHANG, Yabo, LU, Hui

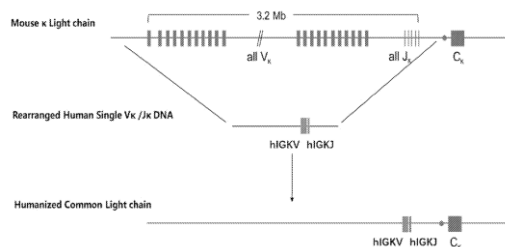
33: CN 31: PCT/CN2020/094000 32: 2020-06-02

33: CN 31: PCT/CN2021/085839 32: 2021-04-07

54: GENETICALLY MODIFIED NON-HUMAN ANIMALS WITH COMMON LIGHT CHAIN IMMUNOGLOBULIN LOCUS

00: -

A genetically modified animal with humanized light chain immunoglobulin locus, wherein the endogenous light chain immunoglobulin locus comprises a limit number of human IGKV and IGKJ genes. A cell obtained from the animal and a method exposing the animal thereof to the antigen.



21: 2022/13852. 22: 2022/12/21. 43: 2024/02/19
51: A24D; A24F; H05B

71: PHILIP MORRIS PRODUCTS S.A.

72: MIRONOV, Oleg

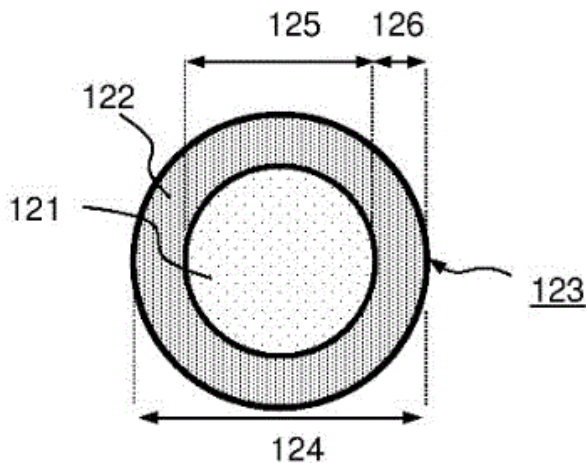
33: EP 31: 20178515.1 32: 2020-06-05

54: SUSCEPTOR ASSEMBLY COMPRISING ONE OR MORE COMPOSITE SUSCEPTOR PARTICLES

00: -

The present disclosure relates to a susceptor assembly comprising one or more composite susceptor particles for inductively heating an aerosol-forming substrate under the influence of an alternating magnetic field. Each one of the one or

more susceptor particles comprises a particle core and a particle shell entirely encapsulating the particle core. The particle core comprises or is made of a ferromagnetic or ferrimagnetic core material having a relative magnetic permeability of at least 200 for frequencies up to 10 kHz at a temperature of 20 degree Celsius. The particle shell comprises or is made of an electrically conductive shell material. The disclosure further relates to an aerosol-generating article comprising such a susceptor assembly as well as to an aerosol-generating system comprising such an article and an aerosol-generating device. In addition, the disclosure relates to a method of manufacturing such a susceptor assembly.

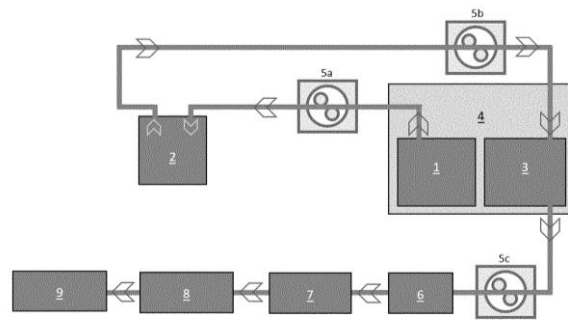


21: 2023/00173. 22: 2023/01/03. 43: 2024/04/18
 51: A61K; C07K; C12N
 71: EXO BIOLOGICS SA
 72: JURGA, Marcin
 33: EP 31: 20184901.5 32: 2020-07-09

54: PROCESS FOR THE MANUFACTURING OF PROTEIN-ASSOCIATED EXTRACELLULAR VESICLES

00: -
 The current invention relates to a process for the manufacturing of extracellular vesicles (EVs) associated with proteins, derived from mesenchymal stromal cells (MSCs), said process comprises the steps of: - Purifying EVs from a cell medium comprising MSCs, wherein said purifying occurs via at least one filtration step of said medium; followed by - a concentration step of the filtrate of said at least one filtration step, wherein said EVs are concentrated by means of tangential flow filtration in a TFF device; and - wherein during said TFF step

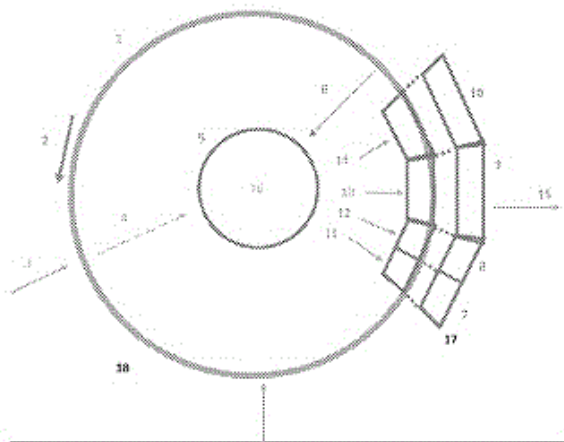
the EVs are associated with one or more exogenous proteins inside of said TFF device, or in a vessel fluidly connected to said TFF device to which said EVs are transferred from said TFF. The current invention also relates to a pharmaceutical composition comprising a therapeutically effective amount of EVs associated with proteins, and the use thereof.



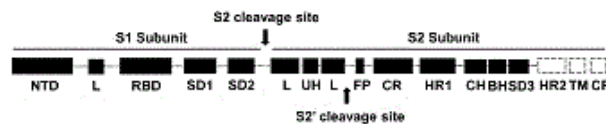
21: 2023/00210. 22: 2023/01/04. 43: 2024/03/04
 51: B01J; C01B; B01D
 71: GLOBAL THERMOSTAT OPERATIONS, LLC
 72: EISENBERGER, PETER, PING, ERIC W, SAKWA-NOVAK, MILES, PRUETT, JED, KLEPPER, ROBERT, WYPER, SARAH
 33: US 31: 62/705,061 32: 2020-06-09

54: CONTINUOUS-MOTION DIRECT AIR CAPTURE SYSTEM

00: -
 A system and a method for continuously separating carbon dioxide from gas mixtures, utilizing a continuous loop of porous monoliths which support a sorbent within its pores. Continuously exposing a portion of the continuous loop of monoliths to a flow of gas mixture containing a minor proportion of carbon dioxide, to adsorb carbon dioxide from the flow. The loop passes through a sealed regeneration and carbon dioxide capture assembly located astride a portion of the loop, and which is capable of sealingly containing a monolith in relative movement through the assembly. The assembly chamber comprises a plurality of separately sealed zones, including at least one zone for purging oxygen from the monoliths, -a subsequent zone for heating the monolith to release the adsorbed carbon dioxide, and another cooling zone for cooling the monolith prior to reentering the adsorption portion of the loop where it is exposed to oxygen.



sequences encoding the redesigned immunogens and the nanoparticle vaccines are also provided in the invention. The invention further provides methods of using the vaccine compositions in various therapeutic applications, e.g., for preventing or treating coronaviral infections.



Coronavirus S1 subunit
 NTD, N-terminal domain;
 L, linker region;
 RBD, receptor-binding domain;
 SD1, subdomain 1;
 SD2, subdomain 2;

Coronavirus S2 subunit
 UH, upstream helix; FP, fusion peptide;
 CR, connecting region; HR1, heptad repeat 1;
 CH, central helix; BH, β -hairpin;
 SD3, subdomain 3; HR2, heptad repeat 2;
 TM, transmembrane region/domain;
 CT, cytoplasmic tail.

21: 2023/00259. 22: 2023/01/05. 43: 2024/03/04
 51: A61K; A61P

71: METRIOPHARM AG
 72: BRYSCH, WOLFGANG, KAISER, ASTRID,
 SCHULZ, PETRA, SCHUMANN, SARA, VON
 WEGERER, JÖRG, SETZ, CHRISTIAN,
 SCHUBERT, ULRICH

33: EP 31: 20000212.9 32: 2020-06-10
 33: EP 31: 20000366.3 32: 2020-10-08

54: COMPOUND FOR THE TREATMENT OF CORONAVIRAL INFECTIONS

00: -
 The present application relates to the use of a phthalazinedione in the prevention or treatment of coronaviral infections. Pharmaceutical compositions, combinations and advantageous formulation techniques are disclosed.

21: 2023/00260. 22: 2023/01/05. 43: 2024/03/04
 51: A61K; C07K; C12N

71: THE SCRIPPS RESEARCH INSTITUTE
 72: HE, LINLING, ZHU, JIANG, WILSON, IAN A
 33: US 31: 63/045,557 32: 2020-06-29
 33: US 31: 17/019,825 32: 2020-09-14

54: STABILIZED CORONAVIRUS SPIKE (S) PROTEIN IMMUNOGENS AND RELATED VACCINES

00: -
 The present invention provides redesigned soluble coronavirus S protein derived immunogens that are stabilized via specific modifications in the wildtype soluble S sequences. Also provided in the invention are nanoparticle vaccines that contain the redesigned soluble S immunogens displayed on self-assembling nanoparticles. Polynucleotide

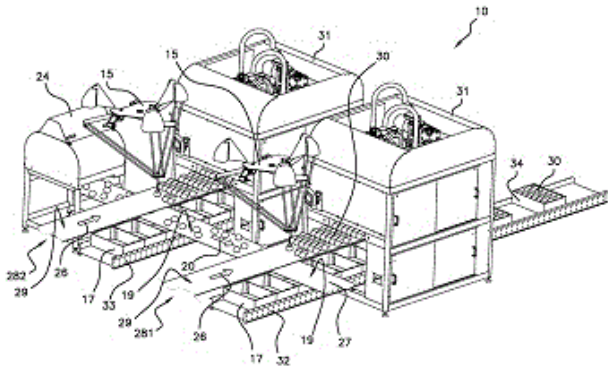
21: 2023/00262. 22: 2023/01/05. 43: 2024/03/01
 51: B65B

71: MAF AGROBOTIC
 72: BLANC, PHILIPPE
 33: FR 31: FR2007023 32: 2020-07-02

54: METHOD AND SYSTEM FOR PACKAGING PRODUCTS BELONGING TO THE FRUIT AND VEGETABLE GROUP

00: -
 The invention relates to a method for packaging objects (2) which are included in a plurality of objects belonging to the fruit and vegetable group and the shape of which is such that the objects included in the plurality of objects can roll along a surface, characterised in that the objects (2) included in the plurality of objects are deposited onto a solid surface, referred to as the deposition surface (1), of a system (10) for packaging the objects, the deposition surface (1) being substantially horizontal, suitable for receiving the objects included in the plurality of objects and elastically deformable such that the deposition of each object on the deposition surface (1) creates, under the weight of the object concerned, a recess (3) in the deposition surface (1) which tends to wedge the object in the recess (3), then the objects included in the plurality of objects deposited onto the deposition surface (1) and held in a position relative to the deposition surface, referred to as the deposition position, which position is fixed during deposition and held subsequent to deposition due to the deposition surface (1), are removed from the deposition surface for the purpose of packing in a packaging container (17). The invention also

relates to a system for packaging a plurality of objects belonging to the fruit and vegetable group.



21: 2023/00306. 22: 2023/01/06. 43: 2024/03/04
51: D04H; B32B

71: THE DILLER CORPORATION

72: TAILLAN, FREDERIC, KRAMER, ABBIE L,
GREEN, DAVID R

33: US 31: 63/053,016 32: 2020-07-17

**54: FIBERGLASS VEILS CONTAINING FIRE-
RETARDANT MINERALS AND REFRACTIVE
PARTICLES, AND HIGH GLOSS AND/OR FIRE-
RETARDANT AND/OR NON-COMBUSTIBLE
LAMINATES CONTAINING SUCH VEILS**

00: -

Non-woven fiberglass veils, and laminates made therefrom, comprising: a plurality of glass fibers; a resin component; a fire-retardant component; and a particulate component, the particulate component comprising inorganic particles having a refractive index higher than a refractive index of the fire-retardant component and an average particle size of from about 0.1 to about 0.5 μm ; wherein the fire-retardant component and the particulate component are present in a combined amount of from about 50% to about 90% by weight, based on the total weight of the veil, and wherein the fire-retardant component and the particulate component are present in a ratio by weight of from about 95:5 to about 50:50; are described.

21: 2023/00309. 22: 2023/01/06. 43: 2024/03/04
51: A61K; A61P

71: METRIOPHARM AG

72: BRYSCH, WOLFGANG, VON WEGERER,
JÖRG, LUDESCHER, BEATE, SCHUMANN, SARA,
KAISER, ASTRID, SCHULZ, PETRA

33: EP 31: 20000248.3 32: 2020-07-09

54: GLUCOCORTICOID-SPARING AGENT

00: -

5 -amino-2,3 -dihydro- 1,4-phthalazinedione or one of its pharmaceutically acceptable salts for use as corticoid-sparing agent and pharmaceutical combinations comprising said glucocorticoid- sparing agent and a glucocorticoid for use in the prophylaxis and/or treatment of conditions or diseases usually treated with glucocorticoids are disclosed, as well as suitable application forms, pharmaceutical compositions and their prophylactic or therapeutic uses.

21: 2023/00311. 22: 2023/01/06. 43: 2024/03/01
51: H02J; H01M

71: DUESENFELD GMBH

72: AHRENS, JONATHAN

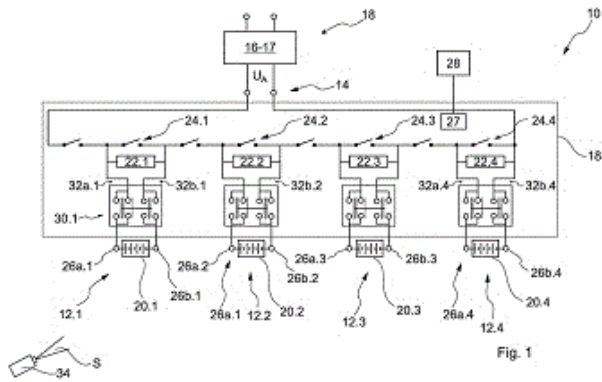
33: DE 31: 10 2020 118 418.2 32: 2020-07-13

**54: RECHARGEABLE BATTERY DISCHARGE
DEVICE FOR DISCHARGING RECHARGEABLE
BATTERIES, AND METHOD FOR DISCHARGING
A PLURALITY OF RECHARGEABLE BATTERIES**

00: -

The invention relates to a rechargeable battery discharge device (10) for discharging rechargeable batteries (20), comprising (a) a first rechargeable battery connection (12.1) for connecting a first rechargeable battery (20.1), (b) a second rechargeable battery connection (12.2) for connecting a second rechargeable battery (20.2), (c) at least one third rechargeable battery connection (12.3) for connecting a third rechargeable battery (20.3), and (d) a load connection (14) for a load (16) for dissipating an electric output upon discharging the rechargeable batteries (20). According to the invention, (e) a discharge circuit (18) is provided which has (i) a first short circuit switch (24.1), (ii) a first voltage meter (22.1) designed to measure a first rechargeable battery voltage ($U_{20.1}$) which drops across the first rechargeable battery connection (12.1), (iii) a second short circuit switch (24.2), (iv) a second voltage meter (22.2) designed to measure a second rechargeable battery voltage ($U_{20.2}$) which drops across the second rechargeable battery connection (12.2), (v) a third short circuit switch (24.3), (vi) a third voltage meter (22.3) designed to measure a third rechargeable battery voltage ($U_{20.3}$) which drops across the third rechargeable battery connection (12.3), and (vii) a control unit (27), wherein (f) the control unit (27) is designed to

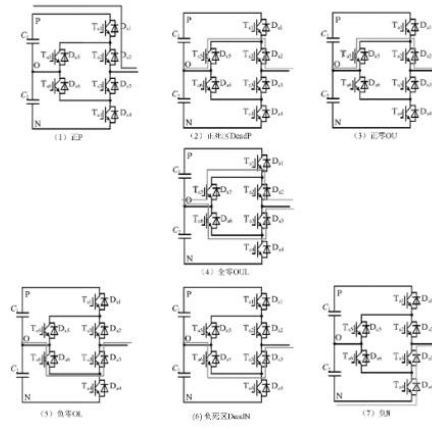
automatically carry out a method with the steps of: (i) detecting the respective rechargeable battery voltage ($U_{20.i}$) for all of the voltage meters (22.i), (ii) if the respective rechargeable battery voltage ($U_{20.i}$) exceeds a specified minimum voltage (U_{min}), connecting the corresponding rechargeable battery (20.i) into a series circuit with at least one other rechargeable battery, and (iii) if the respective rechargeable battery voltage ($U_{20.i}$) does not exceed the minimum voltage (U_{min}), removing the corresponding rechargeable battery (20.i) from the series circuit using the corresponding short circuit switch.



21: 2023/00358. 22: 2023/01/09. 43: 2024/05/10
 51: H02M
 71: ENVISION ENERGY CO., LTD
 72: MENG, Hao, HU, Zichen, CAO, Liang
 33: CN 31: 202010865234.8 32: 2020-08-28
54: DOUBLY-FED CONVERTER AND MODULATION METHOD THEREOF
 00: -

Provided in the present invention is a doubly-fed converter and a modulation method thereof, the doubly-fed converter comprising a three-phase bridge arm and a control unit, each phase bridge arm comprising a first switch module, a second switch module, a third switch module, a fourth switch module, a fifth switch module, and a sixth switch module, and the control unit controlling the first switch module, the second switch module, the third switch module, the fourth switch module, the fifth switch module, and the sixth switch module to turn on and off, so that each phase bridge arm enters a positive half-wave period state, a positive dead zone state, a positive zero state, an all zero state, a

negative zero state, a negative dead zone state, and a negative half-wave period state.



- 1: Positive P
- 2: Positive dead zone DeadP
- 3: Positive zero 0U
- 4: All zero 0UL
- 5: Negative zero 0L
- 6: Negative dead zone DeadN
- 7: Negative N

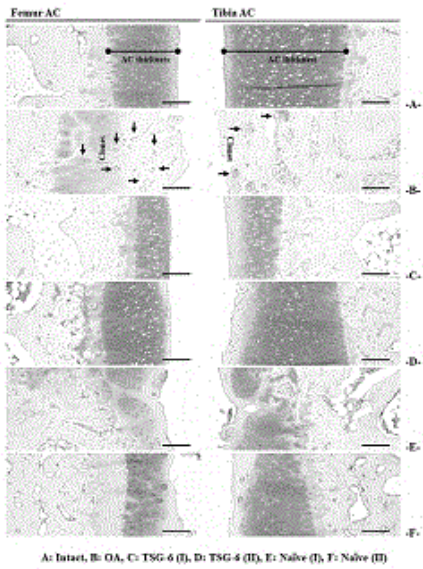
21: 2023/00373. 22: 2023/01/09. 43: 2024/03/01
 51: A61K; A61P
 71: LG CHEM, LTD.

72: RYU, JE YOUNG, NAM, SEUNG WOO, KIM, CHANG YOUNG, KIM, DONGHOON, SHIN, JUNG YOUN

33: KR 31: 10-2020-0089148 32: 2020-07-17
54: COMPOSITION FOR PREVENTING OR TREATING OSTEOARTHRITIS, COMPRISING MESENCHYMAL STEM CELL EXPRESSING TUMOR NECROSIS FACTOR-INDUCIBLE GENE 6
 00: -

The present application relates to a use for cartilage regeneration and/or use for osteoarthritis treatment of a mesenchymal stem cell expressing TSG-6 protein. The present application provides a composition for cartilage regeneration and a pharmaceutical composition for osteoarthritis treatment, comprising a mesenchymal stem cell expressing TSG-6 protein as an active ingredient. The composition for cartilage regeneration and/or the pharmaceutical composition for osteoarthritis treatment provided by the present application can increase collagen expression of cartilage cells, reduce inflammation, and restore the cartilage structure.

[FIG. 3a]



A: Intact, B: OA, C: TSG-6 (I), D: TSG-6 (II), E: Naive (I), F: Naive (II)

21: 2023/00375. 22: 2023/01/09. 43: 2024/03/04
51: E03B

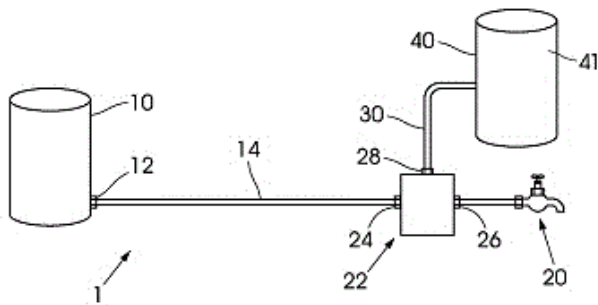
71: DILIGENT BUSINESS SERVICES LIMITED
72: BAYMAN, TYRONE, BAYMAN, KAREN,
BAYMAN, STEPHEN

33: NZ 31: 765649 32: 2020-06-30
33: NZ 31: 769991 32: 2020-11-16

54: WATER SAVING DEVICE

00: -

A water saving apparatus has a valve system, a temperature sensor and a controller configured to detect when hot water is required at a tap and operate the valve system to direct water from a hot water supply to the tap when the sensed temperature is above a set point temperature, and direct water from the supply to an outlet other than the tap when the sensed temperature is below the set point temperature. This allows water below a required temperature to be used for other purposes rather than being wasted.



21: 2023/00376. 22: 2023/01/09. 43: 2024/03/04

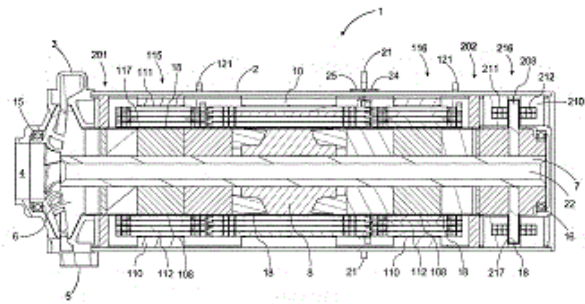
51: F04D; F16C; G21D; H02K
71: COPENHAGEN ATOMICS A/S
72: STUBSGAARD, ASLAK, PEDERSEN, THOMAS
JAM, STEENBERG, THOMAS

33: DK 31: PA202070505 32: 2020-07-31
33: DK 31: PA202070506 32: 2020-07-31

54: A CANNED ROTODYNAMIC FLOW MACHINE FOR A MOLTEN SALT NUCLEAR REACTOR AND AN ACTIVE MAGNETIC BEARING FOR USE IN A FLOW MACHINE FOR A MOLTEN SALT NUCLEAR REACTOR

00: -

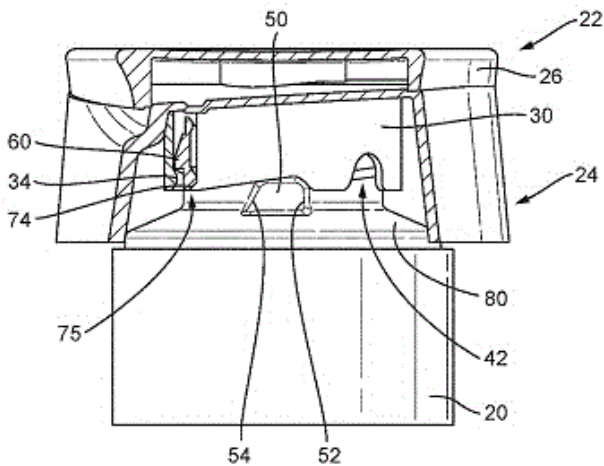
A canned rotodynamic flow machine (1) configured for operating with a working fluid such as molten salt of a molten salt nuclear reactor, comprising an impeller (6) arranged in a volute (3), with an inlet (4) and an outlet (5) for the working fluid, an induction or reluctance motor or generator comprising a stator (10) and a rotor (8), a can (18) separating a working fluid area in which the rotor (8) is arranged from a dry area containing the stator (10). The rotor (8) is operably coupled to the impeller (6). The stator (10) comprises stator windings for inducing a magnetic field that penetrates the rotor (8). The stator windings are distributed in slots (11) arranged in the stator (10). The part of the stator windings inside the slots is formed by one or more electrically conductive solid bars (12). An active magnetic bearing for use in a canned rotor dynamic flow machine for a molten salt nuclear reactor, comprising a stator (110,210) and a rotor (108,208). The said stator (108,208) comprises stator windings for inducing a magnetic field that penetrates the rotor (108,208). The stator windings are distributed in one or more slots arranged in the stator. The part of the stator windings inside said one or more slots is formed by one or more electrically conductive solid bars.



21: 2023/00379. 22: 2023/01/09. 43: 2024/03/04
51: B65D
71: UNILEVER GLOBAL IP LIMITED

72: CESARE, SLAVICA, LALIER, GREGORY
 33: US 31: 63/060,357 32: 2020-08-03
54: CLOSURE

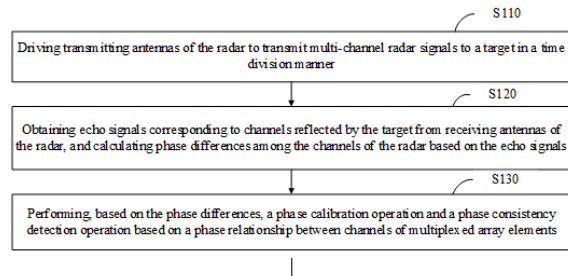
00: -
 A closure including an upper wall (25) defining an opening (36) and a cylindrical snap on pipe (30) depending from the upper wall. The pipe includes threads (34) designed to mate with external threads on a neck of the bottle. The threads on the pipe and threads on the neck of the bottle pass over each other when the closure is snapped onto the bottle during manufacture. The pipe includes a resistance recess (42) and a guidance recess (70). The resistance recess and the guidance recess accommodate a forcing element (50) on a shoulder (80) of the bottle and permit unscrewing of the closure. The walls (44, 46) of the resistance recess are preferably symmetrical.



21: 2023/00380. 22: 2023/01/09. 43: 2024/04/15
 51: G01S
 71: CHEN, Ken
 72: CHEN, Ken
 33: WO 31: PCT/CN2021/137661 32: 2021-12-14
54: CHANNEL PHASE DETECTION AND CALIBRATION METHOD, DEVICE, AND STORAGE MEDIUM FOR A RADAR

00: -
 The present invention relates to technical field of radars, in particular to a channel phase detection and calibration method, device, and storage medium for a radar. The method includes: driving transmitting antennas of the radar to transmit multi-channel radar signals to a target in a time division manner; obtaining echo signals corresponding to channels

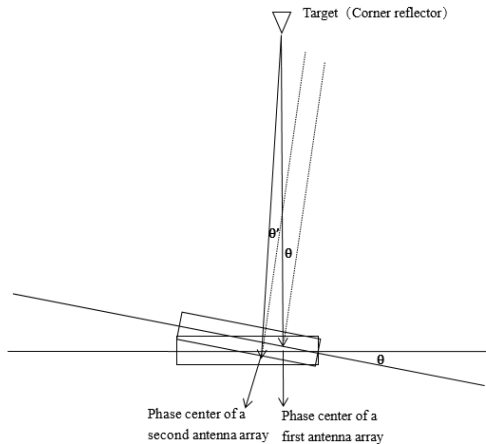
reflected by the target from receiving antennas of the radar, and calculating phase differences among the channels of the radar based on the echo signals; and performing a phase calibration operation according to the phase differences and a phase consistency detection operation based on a phase relationship between channels of multiplexed array elements. A technical solution disclosed by the present invention can obtain more accurate azimuth angle and pitch angle estimation results for a detection target.



21: 2023/00381. 22: 2023/01/09. 43: 2024/04/15
 51: G01S
 71: TANG, Yong
 72: TANG, Yong
 33: WO 31: PCT/CN2021/135944 32: 2021-12-07
54: RADAR CALIBRATION METHOD AND DEVICE

00: -
 The present invention provides a radar calibration method and device, wherein the method includes: driving a first antenna array and a second antenna array to respectively emit a first radar signal and a second radar signal to a same target, and to respectively collect a first echo signal corresponding to the first radar signal and a second echo signal corresponding to the second radar signal that are reflected by the target; calculating a calibration coefficient of the first antenna array based on the collected first echo signal; and calculating a calibration coefficient of the second antenna array based on a conversion relation between incident angles of the first antenna array and the second antenna array and the second echo signal. By adopting the radar calibration method and device provided by an embodiment of the present invention, calibration of the first antenna array and the second antenna array with different detection distances can be realized in a same environment, which not only

reduces an angle measurement error of the first antenna array and the second antenna array in an overlapping area, but also makes a test convenient and quick.



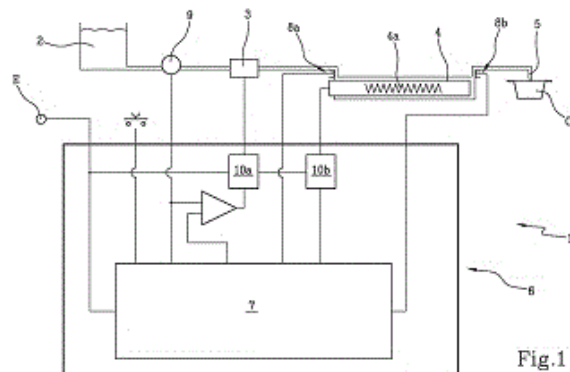
21: 2023/00391. 22: 2023/01/09. 43: 2024/04/15
 51: A61K; A61Q
 71: VVARDIS AG
 72: HUG, Michael, ABIVARDI BRÖNNER, Haleh, ABIVARDI SIGNER, Golnar, LYSEK, Dominikus Amadeus
 33: US 31: 16/944,502 32: 2020-07-31
54: ANTI-INFLAMMATORY AND SENOLYTIC DENTAL CARE PRODUCT WITH TOOTH WHITENING CHARACTERISTICS

00: -
 The present invention relates to the field of dental care, e.g., with toothpaste, tooth gel, mouthwash, mouth spray or oral care foam. In particular, it provides an anti-inflammatory and senolytic dental care product with tooth whitening characteristics. The dental care product comprises calcium phosphate particles of a specific size, the self-assembling peptide P 11-4 or oligopeptide 104 of SEQ ID NO: 1, an extract of a plant of the genus *Rhododendron*, and an extract of a plant of the genus *Leontopodium*. The dental care product may further comprise an extract of a plant of the genus *Eleutherococcus*, such as *Eleutherococcus senticosus*.

21: 2023/00429. 22: 2023/01/10. 43: 2024/03/04
 51: F04B; A47J
 71: GB PROGETTI S.R.L.
 72: ROLLA, ALBERTO

33: IT 31: 102020000016831 32: 2020-07-10
54: CONTROL METHOD FOR DISPENSING A HOT FLUID AND DEVICE FOR DISPENSING A HOT FLUID

00: -
 Described is a control method for dispensing a hot fluid in a fluid dispensing device (1), which comprises a power supply source (E); a source of fluid (2) to be heated; a feed unit (3) configured for picking up the fluid to be heated; a boiler or heat exchanger (4); a dispensing device (5) configured for dispensing the hot fluid and a data control and processing system (6) which actuates the following steps: a measurement of inlet parameters comprising at least an inlet power value and an inlet temperature of the fluid towards the boiler or heat exchanger (4); a cyclical calculation of a quantity of heat generated which must supply the boiler or heat exchanger (4) and/or a quantity of fluid dispensed; consequent adjustment of the value of heat generated by the boiler or heat exchanger (4) and/or the quantity of fluid dispensed, as a function of the measurements of the inlet parameters and of a wanted or desired value of outlet temperature of the fluid; the above-mentioned measurement, cyclical calculation and adjustment steps are performed simultaneously and in real time during a step of dispensing fluid by the dispensing device (5).

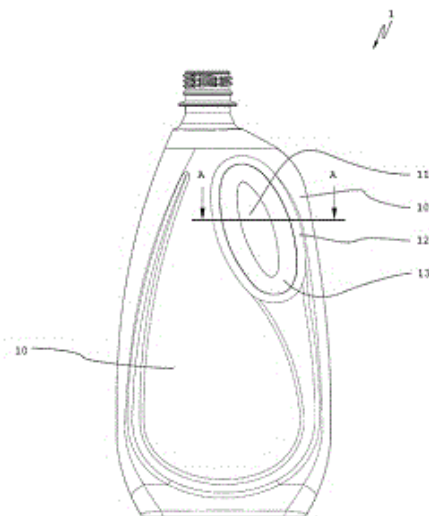


21: 2023/00434. 22: 2023/01/10. 43: 2024/03/01
 51: C07C; C12N; C12P
 71: ARKEMA FRANCE
 72: FREMY, GEORGES, LEC, JEAN-CHRISTOPHE
 33: FR 31: FR2012669 32: 2020-12-04
 33: FR 31: FR2007577 32: 2020-07-20
54: IMPROVED METHOD FOR SYNTHESISING FUNCTIONALISED MERCAPTANS
 00: -

The present invention relates to a method for synthesising functionalised mercaptans, essentially in the absence of oxygen, as well as a composition particularly for implementing said method. The functionalised mercaptans have the following formula (I): $R_2-X-C^*H(NR_1R_7)-(CH_2)_n-SH$ (I) wherein R_1 and R_7 , which are either identical or different, are a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is aromatic or non-aromatic, having between 1 and 20 carbon atoms and possibly comprising one or more heteroatoms; X is selected from $-C(=O)-$, $-CH_2-$ or $-CN-$; R_2 is: (i) either zero when X represents $-CN-$, (ii) or a hydrogen atom, (iii) or $-OR_3$, R_3 is a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is either aromatic or non-aromatic, having between 1 and 20 carbon atoms and which may comprise one or more heteroatoms, (iv) or $-NR_4R_5$, R_4 and R_5 , which are either identical or different, are a hydrogen atom or a saturated or unsaturated, linear, branched or cyclic hydrocarbon chain, which is either aromatic or non-aromatic, having between 1 and 20 carbon atoms and possibly comprising one or more heteroatoms; n is equal to 1 or 2; and $*$ represents an asymmetric carbon atom.

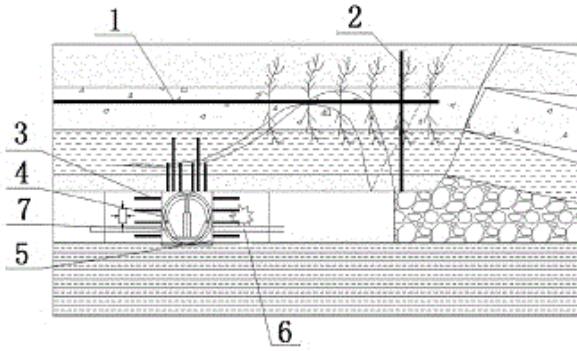
21: 2023/00487. 22: 2023/01/11. 43: 2024/03/01
51: B65D
71: ALPLA WERKE ALWIN LEHNER GMBH & CO. KG
72: DEMIR, ADEM, BÖSCH, KLEMENS
33: CH 31: 00802/20 32: 2020-06-30
54: PLASTIC CONTAINER
00: -

Disclosed is a plastic container (1, 1") comprising a container body (10, 10', 10"), which forms a filling volume, and a reach-through opening (11, 11") penetrating the container body (10, 10', 10"). The reach-through opening (11, 11") forms a handle (12, 12', 12", 12'') with a partial region (10a, 10a', 10a'') of the container body (10, 10', 10"). A handle insert (13, 13', 13", 13'') is arranged in the reach-through opening (11, 11").



21: 2023/00491. 22: 2023/01/11. 43: 2024/03/01
51: E21D
71: CCTEG COAL MINING RESEARCH INSTITUTE
72: WU, YONGZHENG, FU, YUKAI, CHU, XIAOWEI, CHEN, JINYU, HE, JIE, LIU, XINHUA, MENG, XIANZHI
33: CN 31: 202011354530.8 32: 2020-11-26
54: THREE-LEVEL PREVENTION AND CONTROL METHOD FOR ROCK BURST ROADWAY
00: -

A three-level prevention and control method for a rock burst roadway, the method comprising: pre-weakening a thick and hard rock layer above a roadway before the roadway is excavated; carrying out prestress support, pressure relief and reinforcement when the roadway is excavated; and carrying out stress transfer on an advance abutment pressure, and arranging a composite energy absorption protective structure around the roadway before the mining of a working face. By coordinating the spatio-temporal relationship between pressure relief, support and prevention, the energy dissipation in the rock burst roadway is changed from an unstable, disorderly and uncontrollable dissipation state to a stable, orderly and controllable dissipation state.

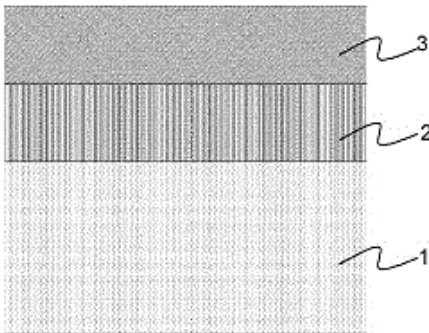


21: 2023/00492. 22: 2023/01/11. 43: 2024/03/04
51: D21H

71: SAPPI NETHERLANDS SERVICES B.V.
72: DUARTE, GUSTAVO, LOURENCO, VERA,
HOLZLECHNER, MARIO, SIMONS, JO
33: EP 31: 20181691.5 32: 2020-06-23

54: BARRIER PAPER OR BOARD

00: -
A process for improving the barrier properties of a barrier layer in a pulp-based substrate layer having a barrier layer, comprising the steps of providing a pulp-based substrate layer having a layer of an aqueous barrier composition applied to it, and then drying the pulp-based substrate layer having a layer of aqueous barrier composition applied to it to form a pulp-based substrate layer having a barrier layer, such that the moisture content of the pulp-based substrate layer having a barrier layer is below 2.5 % by weight, preferably below 2 % by weight, based on the weight of the pulp-based substrate layer having a barrier layer.



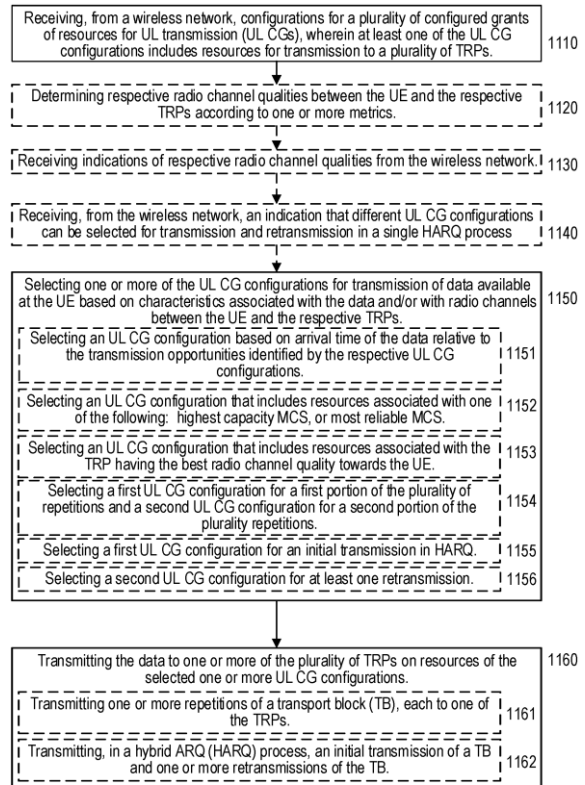
21: 2023/00497. 22: 2023/01/11. 43: 2024/03/14
51: H04B H04W H04L

71: TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)

72: GERAMI, Majid, SINGH, Bikramjit, WANG, Min,
WÄNSTEDT, Stefan, CHRISTOFFERSSON, Jan

33: US 31: 63/041,408 32: 2020-06-19
54: MULTI-TRP CONFIGURED GRANT TRANSMISSION

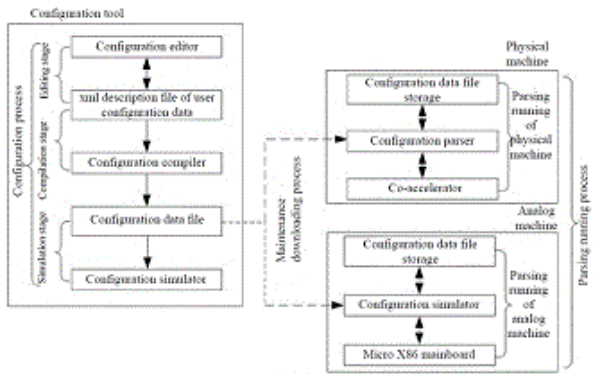
00: -
Embodiments include methods, for a user equipment (UE), of uplink (UL) transmission of data to a plurality of transmission reception points (TRPs) in a wireless network. Such methods include receiving, from the wireless network, configurations for a plurality of configured grants of resources for UL transmission, UL CGs, wherein at least one of the UL CG configurations includes resources for transmission to a plurality of TRPs. Such methods include selecting one or more of the UL CG configurations for transmission of data available at the UE based on characteristics of the data and/or of radio channels between the UE and the respective TRPs. Such methods include transmitting the data to one or more of the plurality of TRPs on resources of the selected one or more UL CG configurations. Other embodiments include complementary methods for a network node, as well as UEs and network nodes configured to perform such methods.



21: 2023/00537. 22: 2023/01/12. 43: 2024/03/01

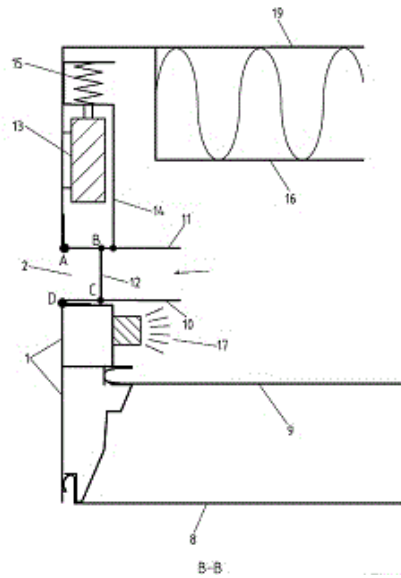
51: G06F
 71: NUCLEAR POWER INSTITUTE OF CHINA
 72: MA, QUAN, ZHAO, YANG, LIU, MINGXING, JIANG, WEI, CHEN, DAQI, WU, YANQUN, YANG, BIN, YANG, FEI, WANG, HENG
 33: CN 31: 202010595078.8 32: 2020-06-28
54: NUCLEAR-GRADE SAFETY DISPLAY APPARATUS AND CONFIGURATION-PARSING SYSTEM THEREFOR

00: -
 A nuclear-grade safety display apparatus and a configuration-parsing system therefor. The configuration-parsing system comprises a configuration editor, a configuration compiler and a configuration parser, wherein the configuration editor is used for realizing engineering configuration page design and parameter setup, and generating an xml description file of user configuration data; the configuration compiler is used for converting the xml description file of the user configuration data, so as to generate a configuration setup data file; the configuration parser is deployed on a physical computer or a simulated computer or a master computer of a nuclear-grade safety display apparatus; and the configuration parser is used for parsing the configuration setup data file and periodically generating operation data comprising internal variable data, engineering page data, and human-machine operation data. Engineering configuration editing, compilation, and parsing operation of a nuclear-grade safety display apparatus are realized by means of a parametric configuration setup data construction method, such that the huge workload involved in using mathematical methods such as formalization to perform credibility verification and checking activities on a translation process is avoided.



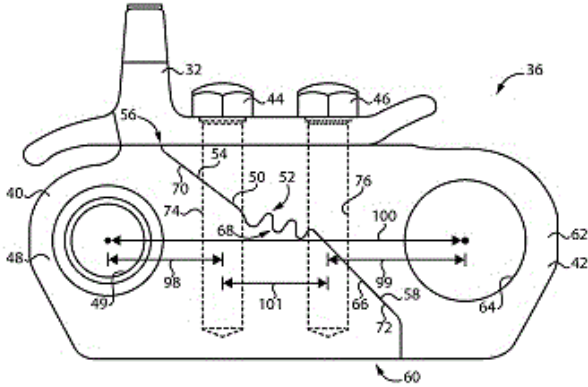
21: 2023/00538. 22: 2023/01/12. 43: 2024/03/05
 51: F24F
 71: SCHERRER, JEAN-MARC, LANG, DAMIEN
 72: SCHERRER, JEAN-MARC, LANG, DAMIEN
 33: FR 31: 2006996 32: 2020-07-02
54: CLIMATE ISLAND

00: -
 The invention relates to a modular island system for heating, cooling and ventilating buildings by radiation and thermal convection as well as for the acoustic treatment of premises.



21: 2023/00556. 22: 2023/01/12. 43: 2024/03/05
 51: B62D
 71: CATERPILLAR INC.
 72: RECKER, ROGER LEE, CLARKE, DONOVAN STUART, WEISBRUCH, ERIC BERNARD, STEINER, KEVIN LEE, WANG, JIANJUN
 33: US 31: 16/905,681 32: 2020-06-18
54: GROUND-ENGAGING TRACK FOR MACHINE HAVING MULTI-TOOTH MASTER LINK

00: -
 A ground-engaging track (26) includes a track chain (28) formed of standard links (34) and at least one master link (36). The master link (36) include a first half link (40) and a second half link (42), clamped together by way of a forward bolt (44) and a rearward bolt (46). Clamping surfaces (50,66) of the first half link (40) and the second half link (42) form a first tooth set (52) and a second tooth set (68), respectively, which may include a total of 2 or 3 full teeth and tooth roots, (82,84) confined in distribution between a forward bolt hole (74) and a rearward bolt hole (76).



21: 2023/00583. 22: 2023/01/13. 43: 2024/03/05

51: H04N

71: HANGZHOU HIKVISION DIGITAL TECHNOLOGY CO., LTD.

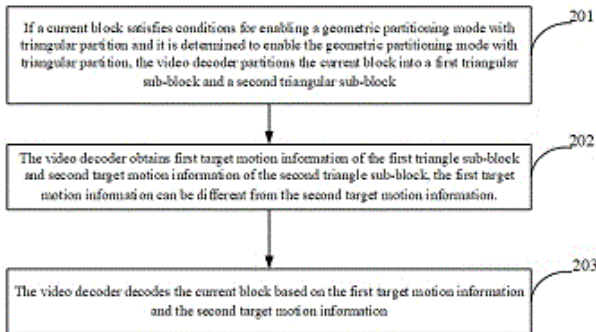
72: CHEN, FANGDONG

33: CN 31: 201811628695.2 32: 2018-12-28

54: VIDEO ENCODING AND DECODING

00: -

The present disclosure provides a video encoding and decoding method and a video encoding and decoding device. The method includes: partitioning the current block into a first triangular sub-block and a second triangular sub-block when a current block satisfies specific conditions for enabling a geometric partitioning mode with triangular partition and the geometric partitioning mode with triangular partition is determined to be enabled; obtaining first target motion information of the first triangle sub-block and second target motion information of the second triangle sub-block, wherein the first target motion information is different from the second target motion information; and performing an encoding processing or a decoding processing on the current block based on the first target motion information and the second target motion information.



21: 2023/00603. 22: 2023/01/13. 43: 2024/03/05

51: G06Q

71: NOTTO INTELLECTUAL PROPERTY HOLDINGS

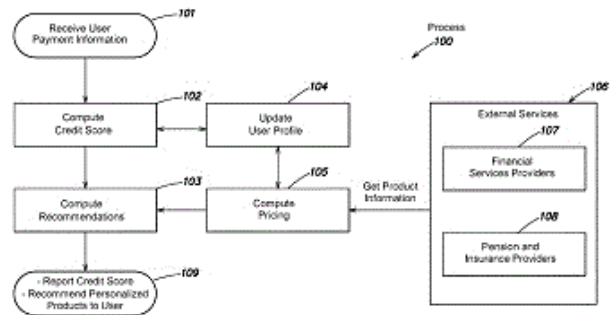
72: MHLANGA, DALUMUZI HAPPY, KHUMALO, BHEKANI

33: ZA 31: 2020/03602 32: 2020-06-17

54: SYSTEMS AND METHODS OF TRANSACTION TRACKING AND ANALYSIS FOR NEAR REAL-TIME INDIVIDUALIZED CREDIT SCORING

00: -

Systems and methods are provided for analyzing user transactions in near-real time to determine a credit score that can be used to indicate the credit worthiness of a user. The system may be capable of communicating with one or more third party systems for obtaining and verifying financial transactions performed by the user. In some implementations, the system may make recommendations for financial products that may be used to improve the services provided to the user.



21: 2023/00677. 22: 2023/01/16. 43: 2024/03/01

51: G08B; B60K; F02D; G07C

71: YAZAKI CORPORATION

72: INOUE, NAOKO, MASUDA, TOMOHIRO, TAKANOHASHI, DAISUKE, TANAKA, AKITOMO

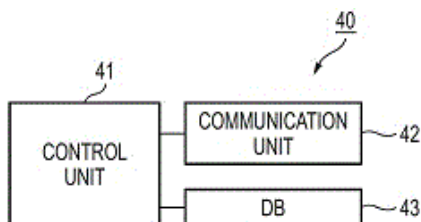
33: JP 31: 2020-138739 32: 2020-08-19

54: FUEL THEFT DETECTION METHOD AND FUEL THEFT DETECTION DEVICE

00: -

A fuel gauge (10) detects a remaining amount of fuel by using a remaining amount sensor (11) every 100 ms, and sequentially calculates an average value of a remaining amount detected currently and remaining amounts detected until before a predetermined number of times. When a difference between the average value calculated currently and the average value calculated previously is larger than a predetermined value, the fuel gauge (10) sequentially corrects the average value calculated previously such that the difference becomes the

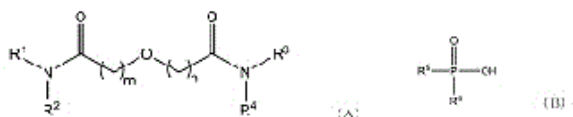
predetermined value. The server device (40) sequentially calculates a difference obtained by subtracting the corrected average value calculated previously after the correction from the corrected average value calculated currently, and sequentially calculates an integrated value of the difference calculated currently and a difference calculated until before a certain period (t-s). The server device (40) detects a fuel theft based on the integrated value.



21: 2023/00678. 22: 2023/01/16. 43: 2024/03/01
51: G21G; C22B; A61K; B01J
71: NIHON MEDI-PHYSICS CO., LTD.
72: HONDA, YOSHIO, NATSUSAKO, MASASHI, ASO, SHUNICHI
33: JP 31: 2020-123131 32: 2020-07-17

54: METHOD FOR PRODUCING ²²⁵AC SOLUTION

00: -
This method for producing a ²²⁵Ac solution comprises steps (I)-(III). In step (I), a solution (1) containing ²²⁶Ra and ²²⁵Ac is passed through a solid-phase extractant (a) containing a compound represented by formula (A), and ²²⁵Ac is held in the solid-phase extractant (a). In step (II), a liquid, which contains an eluate (2) obtained by eluting the held ²²⁵Ac from the solid-phase extractant (a), is passed through a solid-phase extractant (b) containing a compound represented by formula (B), and ²²⁵Ac is held in the solid-phase extractant (b). In step (III), the held ²²⁵Ac is eluted from the solid-phase extractant (b) to obtain a ²²⁵Ac solution. (A) [m and n are each independently 0 or 1, and R¹-R⁴ are each independently a C8-C12 alkyl group.] (B) [R⁵-R⁶ are each independently a C8 alkyl group or a C8 alkoxy group.]



21: 2023/00679. 22: 2023/01/16. 43: 2024/03/01
51: C12G

71: TALLERES RUIZ S.A.

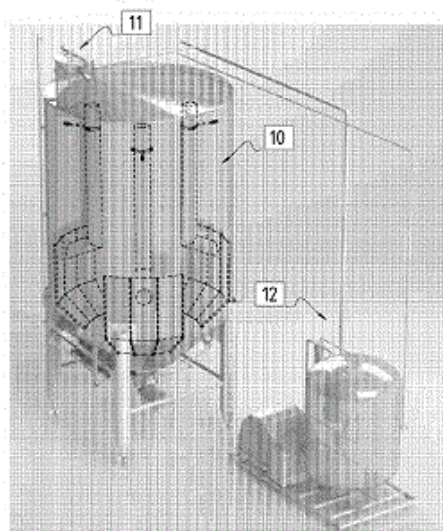
72: SÁENZ-DÍEZ MURO, JUAN CARLOS, RUIZ CABEZA, ROBERTO, MAMOLAR DOMENECH, SERGIO, JIMÉNEZ MACÍAS, EMILIO, BLANCO FERNÁNDEZ, JULIO, MARTÍNEZ CÁMARA, EDUARDO, PÉREZ DE LA PARTE, M.^a MERCEDES, NIÑO MARTÍN, DANIEL

54: SELF-CLEANING HOMOGENEOUS MIXER-BLEEDER SYSTEM CONSISTING OF A SET OF SCREENS AND A BLEED MANIFOLD

00: -

The invention relates to a self-cleaning homogeneous mixer-bleeder system consisting of a set of screens and a bleed manifold (1), in particular for the production of must by extended maceration, of the type incorporated in a wine maceration tank (0) and consisting mainly of: a. a bleed system (10) containing a bleed manifold (107) and a set of perforated side bleed screens (102); b. an inerting valve (11); c. a CO₂ system (12).

FIG.02



21: 2023/00682. 22: 2023/01/16. 43: 2024/03/05
51: C11D

71: UNILEVER GLOBAL IP LIMITED
72: FAIRGRIEVE, CRAIG JONATHON, GRAINGER, DAVID STEPHEN, WHITTAKER, JANE
33: EP 31: 20184318.2 32: 2020-07-06

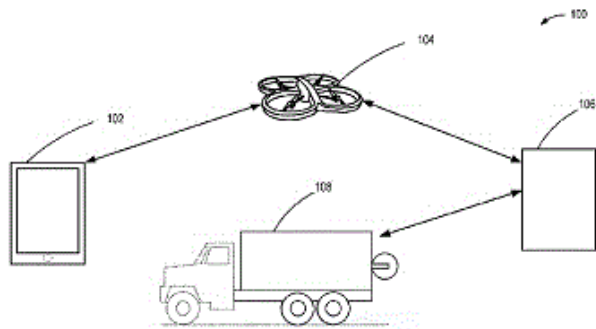
54: IRRITATION MITIGATING SURFACTANTS

00: -

Use of a furan-based surfactant in a detergent for reducing or preventing irritancy during use.

21: 2023/00731. 22: 2023/01/17. 43: 2024/03/01
 51: G06Q; B64C; B64D
 71: DYN0 NOBEL INC.
 72: GILTNER, SCOTT, FLINCHUM, RUFUS E,
 AVERETT, JEFFREY, NAWROCKI JR., JOSEPH
 33: US 31: 62/801,312 32: 2019-02-05
**54: SYSTEMS FOR AUTOMATED BLAST DESIGN
 PLANNING AND METHODS RELATED THERETO**
 00: -

A system, method, or apparatus for generating a blast plan that can receive blast data comprising geological properties of a blast site, blasthole parameters, and available explosive product. A pattern footage can be determined based on a relationship between the face height, the specific energy of the available explosive product, and the geological properties of the bench. The burden and spacing can be determined from the pattern footage.



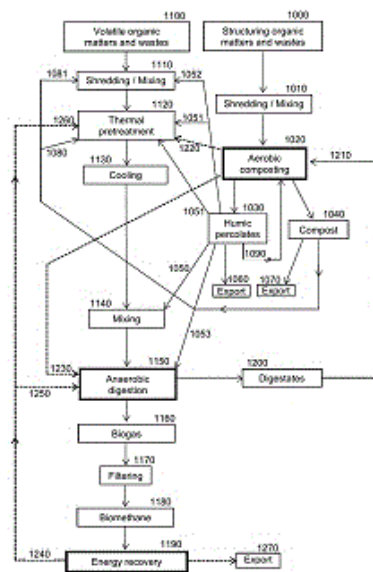
21: 2023/00763. 22: 2023/01/17. 43: 2024/03/05
 51: B65D
 71: UNILEVER GLOBAL IP LIMITED
 72: LALIER, GREGORY, CESARE, SLAVICA
 33: EP 31: 20203694.3 32: 2020-10-23
 33: US 31: 63/060,350 32: 2020-08-03
54: ADAPTER
 00: -

An adapter which is readily applied to connect a dispensing container to a refill container. The adapter and one or more of the containers are structured so that the adapter can be readily and securely snapped onto the container and then easily rotated off without application of undue force by a consumer. The adapter features a snap on pipe having one or more retaining recesses and guidance recesses.

21: 2023/00768. 22: 2023/01/17. 43: 2024/03/01
 51: C02F

71: JUA
 72: SALLUSTRO, JEAN-LUC
 33: FR 31: 2007468 32: 2020-07-16
**54: METHOD AND DEVICE FOR TREATING
 ORGANIC WASTE, INCLUDING THE ANAEROBIC
 DIGESTION THEREOF AND THE COMPOSTING
 OF THE DIGESTATES**
 00: -

The invention relates to a continuous process for treating organic waste taking place in a plant, said process for treating organic waste comprising a process of anaerobic digestion of a first part of said waste, which takes place in at least one digestion chamber, and a process of aerobic composting of a second part of said waste, which takes place in at least one composting chamber, the process for treating organic waste comprising the steps of: - collecting digestate and biogas at the end of said anaerobic digestion process, - collecting compost and humic percolate at the end of said aerobic composting process, - feeding at least part of said digestate into said aerobic composting process, - feeding at least part of said humic percolate into said anaerobic digestion process.



21: 2023/00828. 22: 2023/01/18. 43: 2024/03/05
 51: C11D
 71: UNILEVER GLOBAL IP LIMITED
 72: GRAINGER, DAVID STEPHEN, IKPATT, UYAI,
 STEVENSON, PAUL SIMON, THORLEY, DAVID
 CHRISTOPHER
 33: EP 31: 20193319.9 32: 2020-08-28
54: DETERGENT COMPOSITION

00: -

The invention concerns a detergent composition, comprising: (a) from 1 to 40 wt.% of a secondary alkane sulfonate surfactant with an average of 15 to 18 carbon atoms in a linear alkane chain; (b) from 1 to 40 wt.% of a nonionic surfactant; and, (c) from 0.01 to 8%, of an alkyl hydroxysultaine co-surfactant; wherein the total weight ratio of total weight of anionic surfactants to total weight of nonionic surfactants ranges from 30:1 to 1:2; and, wherein the hydroxy sultana cosurfactant has the formula: $R-N+(CH_3)_2-CH_2-CH(OH)-CH_2-SO_3^- M^+$ where R is an alkyl chain with C10-C18 and M is any suitable cationic counterion; the invention also concerns a method, preferably a domestic method of treating a textile.

21: 2023/00830. 22: 2023/01/18. 43: 2024/03/05

51: A61L

71: ZETAGEN THERAPEUTICS, INC.

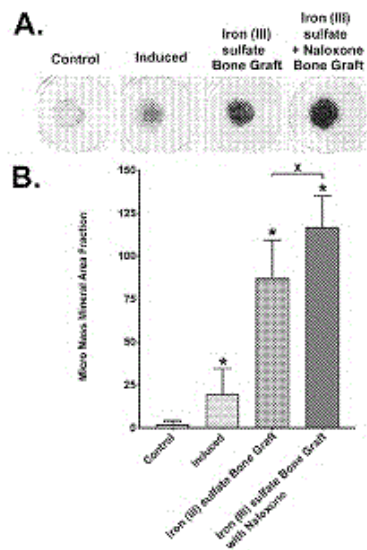
72: MARGULIES, BRYAN S, THAKUR, NIKHIL A

33: US 31: 63/053,277 32: 2020-07-17

54: METHODS AND COMPOSITIONS TO GRAFT BONE USING IRON EXCIPIENTS

00: -

A bone graft composition comprising a calcium phosphate putty is provided. A method of repairing a bone defect in a patient by applying the bone graft composition is also provided. The bone graft composition comprises a calcium phosphate putty and at least one of the following: a hardening agent, an agent that controls the rate of curing, an acidifying agent, an iron excipient, collagen, and a diluent solution.



21: 2023/00861. 22: 2023/01/19. 43: 2024/03/05

51: F01K; F28D

71: PHOTON VAULT LLC

72: MCCORMICK, KENTWELL LEE

33: US 31: 16/928,352 32: 2020-07-14

54: MULTI-TEMPERATURE HEAT PUMP FOR THERMAL ENERGY STORAGE

00: -

According to some aspects of the invention a heat pump includes first and second heat extraction units to extract heat from first and second heat sources in first and second temperature ranges, respectively, where the second temperature range is, on average, higher than the first temperature range. A fluid via defines a pathway through which the working fluid flows serially from the first heat extraction unit to the second heat extraction unit to the thermal storage unit. A pressure reduction stage is coupled to the via and serially disposed on the fluid circuit between the thermal store and the first heat extraction unit. In addition, either a compressor or a recuperator (or both) are coupled to the via and disposed on the fluid circuit between the first heat extraction unit and the second heat extraction unit.

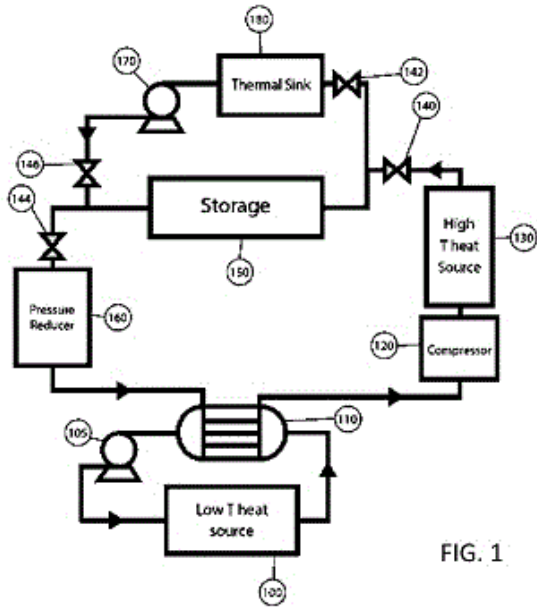
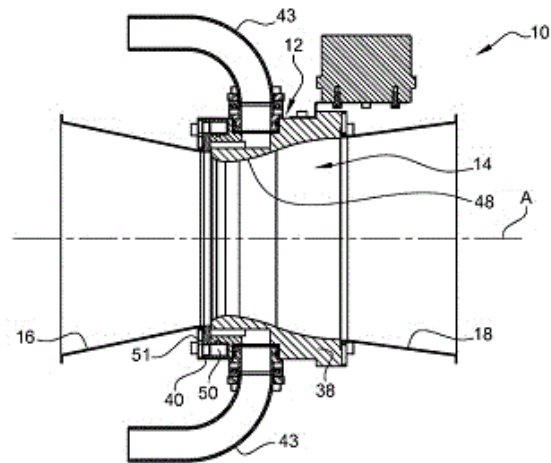


FIG. 1



21: 2023/00919. 22: 2023/01/20. 43: 2024/03/05
 51: A01H; F04F
 71: INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT, SYNGENTA CROP PROTECTION AG, ASUR PLANT BREEDING
 72: BALDET, PATRICK
 33: FR 31: FR2008012 32: 2020-07-29
54: COANDA EFFECT FLOW BOOSTER AND AERUALIC DEVICE COMPRISING SUCH A FLOW BOOSTER

00: -
 The invention relates to a Coanda effect flow booster (10) for inducing a boosted flow of gas, comprising: - a main air circulation pipeline (14), - at least one injection opening that opens into the main pipeline (14), - a plurality of openings for supplying compressed motive gas, each opening configured to be connected to a source of compressed motive gas in order to supply the at least one injection opening with compressed motive gas, - at least one distribution pipeline connecting the plurality of supply openings to the at least one injection opening, - a booster profile (48) at least partially defining the at least one injection opening and forming a convex surface configured to create a Coanda effect in a flow of compressed motive gas injected through the at least one injection opening.

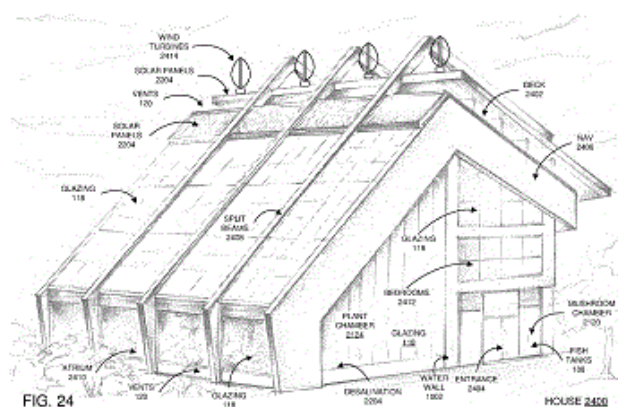
21: 2023/00920. 22: 2023/01/20. 43: 2024/03/05
 51: C07C; C11D
 71: UNILEVER GLOBAL IP LIMITED
 72: BATCHELOR, STEPHEN NORMAN, GRAINGER, DAVID STEPHEN, THORLEY, DAVID CHRISTOPHER
 33: EP 31: 20193480.9 32: 2020-08-28
54: SURFACTANT AND DETERGENT COMPOSITION

00: -
 The invention relates to a secondary alkane sulfonate surfactant, wherein at least 70 wt.% of the secondary alkane sulfonate is a secondary alkane sulfonate (SAS) surfactant having linear alkyl chains of from 15 to 18 carbon atoms; wherein less than 30% of the secondary alkane sulfonate (SAS) surfactant has linear alkyl chains of 14 carbon atoms or lower; the invention also concerns a detergent composition comprising the secondary alkane sulfonate surfactant; the invention also concerns a method, preferably a domestic method of treating a textile.

21: 2023/00921. 22: 2023/01/20. 43: 2024/03/05
 51: A01K; A01G; G01N
 71: VILLAMAR, CARLOS R
 72: VILLAMAR, CARLOS R, PISARENKO, IRINA ALEXEEVNA, BABLYAK, MARIA YEVGENYEVNA
54: SYSTEM AND METHOD FOR PASSIVE SOLAR HOUSES, BUILDINGS AND SKYSCRAPERS WITH INTEGRATED AQUAPONICS, GREENHOUSE AND MUSHROOM CULTIVATION

00: -
 An insulated passive house, building, or skyscrapers system and method with integrated aquaponics,

greenhouse, and mushroom cultivation, includes a glazing on a sun facing side at an angle to maximize winter sunlight, and housing a fish tank; a plant growing area; a mushroom growing area; a shop, apartment or office area; a water wall thermal mass that divides the plant growing area from the mushroom growing and the shop, apartment or office areas, and the fish tank; and a natural air ventilation (NAV) system that provides misted air to the mushroom growing and the shop, apartment or office areas, and the fish tank from O₂ generated by the plant growing area, and CO₂ generated by the mushroom growing and the shop, apartment or office areas, and the fish tank to the plant growing area.



21: 2023/00922. 22: 2023/01/20. 43: 2024/03/05
51: C11D
71: UNILEVER GLOBAL IP LIMITED
72: GRAINGER, DAVID STEPHEN, IKPATT, UYAI, STEVENSON, PAUL SIMON, THORLEY, DAVID CHRISTOPHER

33: EP 31: 20193306.6 32: 2020-08-28

54: DETERGENT COMPOSITION

00: -

The invention concerns a detergent composition, comprising: (a) from 1 to 40 wt.% of a secondary alkane sulfonate surfactant with an average of 15 to 18 carbon atoms in a linear alkane chain; (b) from 1 to 40 wt.% of an anionic surfactant other than a); and, (c) from 0.01 to 8%, of an alkyl hydroxysultaine co-surfactant; and wherein greater than 50 wt.% of the alkyl chain of the secondary alkane sulfonate is C15 to C18, secondary alkane sulfonate; the invention also concerns a method, preferably a domestic method of treating a textile.

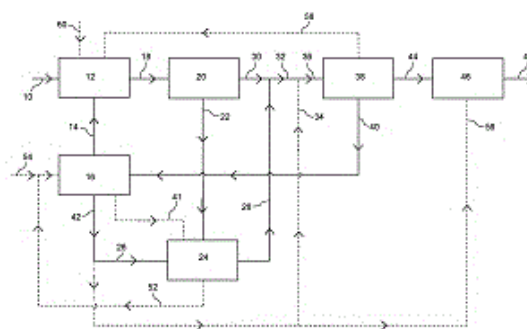
21: 2023/00925. 22: 2023/01/20. 43: 2024/03/05
51: C10J; C01B; C10K; C10G; C07C
71: JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
72: CLAXTON, HENRY ARTHUR, COE, ANDREW JAMES, MCKENNA, MARK JOSEPH, TICEHURST, PAUL ROBERT

33: GB 31: 2016416.6 32: 2020-10-16

54: PROCESS FOR SYNTHESISING HYDROCARBONS

00: -

A process for synthesising hydrocarbons is described comprising the steps of (a) making a synthesis gas comprising hydrogen, carbon monoxide and carbon dioxide from a feedstock in a synthesis gas generation unit, (b) removing carbon dioxide from the synthesis gas in a carbon dioxide removal unit to produce a carbon dioxide stream and purified synthesis gas comprising hydrogen and carbon monoxide, and (c) synthesising a mixture of hydrocarbons from the purified synthesis gas in a Fischer-Tropsch hydrocarbon synthesis unit, with co-production of a FT water stream, wherein (i) at least a portion of the FT water stream is fed to an electrolysis unit to provide an oxygen stream, which is fed to the synthesis gas generation unit, and a hydrogen stream, (ii) at least a portion of the carbon dioxide stream recovered from the carbon dioxide removal unit and a portion of the hydrogen stream produced by the electrolysis unit are fed to a reverse water-gas shift unit to produce a carbon monoxide stream, and (iii) at least a portion of the carbon monoxide stream from the reverse water-gas shift unit is fed to the Fischer-Tropsch hydrocarbon synthesis unit.



21: 2023/00966. 22: 2023/01/23. 43: 2024/03/01
51: B02C; G01H; G01M
71: KABUSHIKI KAISHA EARTHTECHNICA

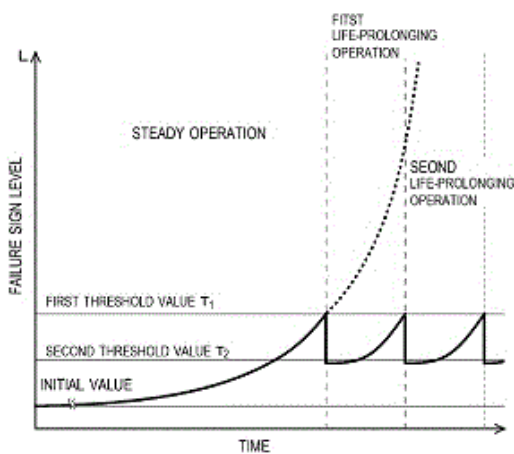
72: KIJIMA, TAKASHI, KOBAYASHI, JUN, SATO, YOSHICHIKA, MASUDA, TAKAYUKI, KIMOTO, KENSUKE

33: JP 31: 2020-123709 32: 2020-07-20

54: GYRATORY CRUSHER, AND CONTROL SYSTEM FOR AND CONTROL METHOD OF CONTROLLING GYRATORY CRUSHER

00: -

A gyratory crusher includes a concave and a mantle, the concave forming a crushing chamber, the mantle being fixed to a main shaft of the gyratory crusher. In the gyratory crusher, state information about at least one of diagnostic elements is obtained, the diagnostic elements including a lubrication state of a lower bearing receiving a lower part of the main shaft, vibrations at a meshing part included in a power transmission that transmits power output from a driving motor to an eccentric sleeve in which the main shaft is received, and vibrations of a bearing of a shaft included in the power transmission, and a failure sign level that serves as an index of an occurrence of a failure is calculated based on the obtained state information. If the failure sign level exceeds a predetermined first threshold value, then at least from immediately after the failure sign level exceeding the predetermined first threshold value until the failure sign level falls below a predetermined second threshold value less than the first threshold value, a life-prolonging operation of taking at least one of life-prolonging measures is performed, the life-prolonging measures including reducing a feeding amount of to-be-crushed objects and increasing/decreasing a rotation speed of the eccentric sleeve.



21: 2023/00967. 22: 2023/01/23. 43: 2024/03/01

51: B02C; G01H; G01M

71: KABUSHIKI KAISHA EARTHTECHNICA

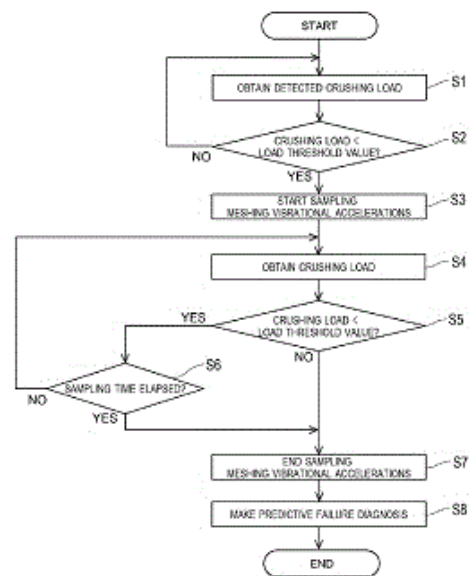
72: KIJIMA, TAKASHI, KOBAYASHI, JUN, SATO, YOSHICHIKA, MASUDA, TAKAYUKI

33: JP 31: 2020-123710 32: 2020-07-20

54: GYRATORY CRUSHER, AND PREDICTIVE FAILURE DIAGNOSER FOR AND PREDICTIVE FAILURE DIAGNOSIS METHOD OF MAKING PREDICTIVE FAILURE DIAGNOSIS ON GYRATORY CRUSHER

00: -

A gyratory crusher includes: a mantle fixed to a main shaft; a concave forming a crushing chamber together with the mantle between the concave and the mantle; an eccentric sleeve that supports a lower part of the main shaft via a lower bearing; a driving motor that drives the eccentric sleeve to rotate; and a power transmission that includes a bevel pinion and a bevel gear and that transmits power output from the driving motor to the eccentric sleeve. In the gyratory crusher, meshing vibrational accelerations that occur when the bevel pinion and the bevel gear mesh with each other are obtained; a meshing vibrational acceleration waveform, in which the meshing vibrational accelerations within a no-crushing-load period are chronologized, is determined, the no-crushing-load period being a period in which no to-be-crushed objects are fed into the crushing chamber; and a diagnosis on whether or not there is a sign of a failure is made based on a result of analyzing the meshing vibrational acceleration waveform.



21: 2023/00969. 22: 2023/01/23. 43: 2024/03/01
51: C12M; B01F
71: JUA

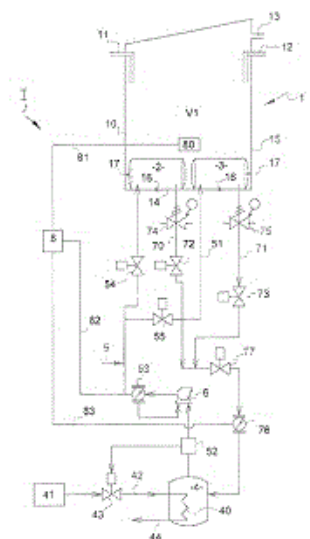
72: SALLUSTRO, JEAN-LUC

33: FR 31: FR2007481 32: 2020-07-16

54: BREWING SYSTEM, BIOREACTOR PROVIDED WITH SUCH A SYSTEM AND IMPLEMENTATION METHOD THEREOF

00: -

Said brewing system is intended to be fitted to a bioreactor which can be used in particular in milk and cheese factories, fermented dough production units, breweries, wine-making units or even low-temperature fermentation units in an aerobic or anaerobic environment, in particular lacto-fermentation units for the purpose of preserving vegetables, wastewater treatment stations, fish farming ponds with or without temperature control. According to the invention, said brewing system comprises: - at least one flexible and sealed brewing chamber (2, 3), - means (4) for receiving a fluid referred to as the filling fluid, - means (5, 51, 70, 71) for transferring the filling fluid between the brewing chambers (2, 3), and means (4) for receiving the filling fluid as well as varying the volume of the filling fluid admitted into each brewing chamber.



21: 2023/00970. 22: 2023/01/23. 43: 2024/03/05
51: A61K; A61Q
71: UNILEVER GLOBAL IP LIMITED
72: KULKARNI, ADITI JAYAVANT, MENG, SHENG, WASKAR, PRINCIKA.
33: EP 31: 20193194.6 32: 2020-08-27
33: CN 31: PCT/CN2020/105518 32: 2020-07-29

54: COSMETIC MASK FOR IMPROVING APPEARANCE OF SKIN

00: -

Disclosed is a cosmetic face mask composition comprising: i) 10 to 35 wt% of a clay; and ii) 0.001 to 5 wt% of a skin benefit agent, and, iii) 0.1 to 5 wt% titanium dioxide particles having primary particle size of 50 to 1000 nm and treated with at least one of a hydrophilic or hydrophobic agent; wherein said composition comprises 0.05 to 5 wt% of a silicone resin and a solvent for the resin in an amount sufficient to solubilize the resin, where said resin is MQ silicone resin, T silicone resin or a mixture thereof; wherein said solvent for the silicone resin is at least one of a volatile ester, volatile hydrocarbon, a volatile alcohol or a volatile silicone.

21: 2023/00971. 22: 2023/01/23. 43: 2024/03/05
51: C11D; C07C

71: UNILEVER GLOBAL IP LIMITED

72: BATCHELOR, STEPHEN NORMAN, GRAINGER, DAVID STEPHEN, THORLEY, DAVID CHRISTOPHER

33: EP 31: 20193390.0 32: 2020-08-28

54: SURFACTANT AND DETERGENT COMPOSITION

00: -

The invention relates to a secondary alkane sulfonate surfactant, wherein wherein greater than 50 wt.% of the secondary alkane sulfonate is C17 and/or C18 secondary alkane sulfonate; the invention also concerns a detergent composition comprising the secondary alkane sulfonate surfactant; the invention also concerns a method, preferably a domestic method of treating a textile.

21: 2023/00973. 22: 2023/01/23. 43: 2024/03/05
51: A61K; A23K

71: ZIVO BIOSCIENCE, INC.

72: DAHL, ANDREW A, PFUND, WILLIAM P, STEFFEK, AMY E

33: US 31: 17/400,790 32: 2021-08-12

33: US 31: 63/064,706 32: 2020-08-12

54: THE USE OF VARIOVORAX MICROBES AS AN ALTERNATIVE TREATMENT FOR COCCIDIOSIS

00: -

Compounds capable of selectively modulating the TLR signaling pathway provide an improved treatment method for a broad variety of diseases in both animals and humans. The mechanisms of

action in the treatment and/or prevention of coccidiosis and other conditions related to gut inflammation are via a direct effect on innate and adaptive immune pathways. The downstream results are improvements in performance parameters related to gut health (including altering gut microbes, conversion rates, and body weight gains among others. When administered to animals, the bioactives of the disclosed inventive compound mitigate the effects of coccidiosis via an enhanced immune response rather than a direct effect on parasites, such as the Eimeria parasite. The mechanisms of action of the disclosed inventive compound and method are via immune system priming rather than a direct effect on pathogens, thus there is no risk of treatment resistance being developed.

21: 2023/01022. 22: 2023/01/24. 43: 2024/03/14

51: A61K A61Q

71: UNIVERSIDADE DO MINHO

72: CAVACO PAULO, Artur, Manuel, GOMES

GONÇALVES, Filipa, Daniela, ARAÚJO

MAGALHÃES RIBEIRO, Artur, Jorge, PEREIRA

MARINHO DA SILVA, Carla Manuela

33: PT 31: 116561 32: 2020-07-03

33: EP 31: 20206292.3 32: 2020-11-06

54: FRAGRANCE RELEASE MECHANISM, METHOD AND USES THEREOF

00: -

The present disclosure relates to a release composition comprising a protein and an active agent, wherein the active agent is released when in presence of an electrolyte solution. A kit and an article comprising the release composition of the present-subject matter are also encompassed.

21: 2023/01053. 22: 2023/01/24. 43: 2024/03/05

51: C07C

71: DOW GLOBAL TECHNOLOGIES LLC

72: KIRILIN, ALEXEY, CHOJECKI, ADAM,

DEWILDE, JOSEPH F, POLLEFEYT, GLENN,

NIESKENS, DAVY L. S, MALEK, ANDRZEJ,

MILLAR, DEAN M

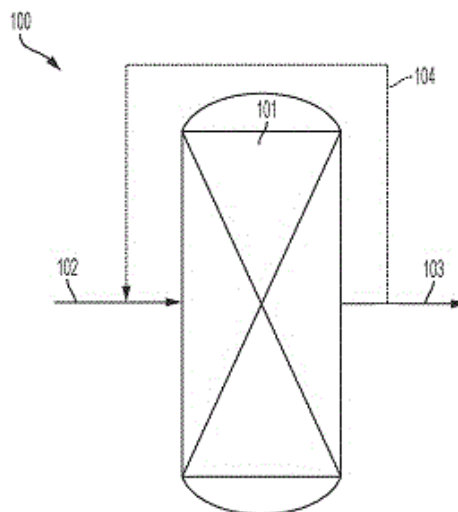
33: US 31: 63/045,893 32: 2020-06-30

54: PROCESSES FOR PREPARING C2 TO C3 HYDROCARBONS IN THE PRESENCE OF A HYBRID CATALYST

00: -

A process for preparing C2 to C3 hydrocarbons may include introducing a feed stream including hydrogen

gas and a carbon-containing gas comprising carbon monoxide, carbon dioxide, and mixtures thereof into a reaction zone of a reactor, and converting the feed stream into a product stream comprising C2 to C3 hydrocarbons in the reaction zone in the presence of a hybrid catalyst. The hybrid catalyst may include a metal oxide catalyst component and a microporous catalyst component comprising 8-MR pore openings less than or equal to 5.1 Å and a cage defining ring size less than or equal to 7.45 Å, where a C2/C3 carbon molar ratio of the product stream is greater than or equal to 0.7.



21: 2023/01066. 22: 2023/01/25. 43: 2024/03/01

51: C07D; A61K; A61P

71: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, ATLASMEDX, INC.

72: TSANG, TSZE, PETO, CSABA J, JABLONS,

DAVID M, LEMJABBAR-ALAOUI, HASSAN

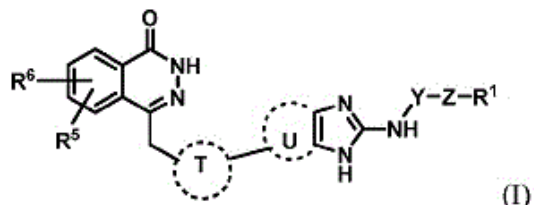
33: US 31: 62/354,449 32: 2016-06-24

33: US 31: 62/426,095 32: 2016-11-23

54: PHTHALAZINE DERIVATIVES AS INHIBITORS OF PARP1, PARP2 AND/OR TUBULIN USEFUL FOR THE TREATMENT OF CANCER

00: -

The application relates to phthalazine derivatives of formula (I) which are inhibitors of PARP1, PARP2 and/or tubulin and thus useful for the treatment of cancer. Also disclosed are pharmaceutical formulations containing such compounds, as well as combinations of these compounds with at least one additional therapeutic agent.



21: 2023/01067. 22: 2023/01/25. 43: 2024/03/01

51: C07D; A01N

71: FMC CORPORATION

72: ZHANG, WENMING

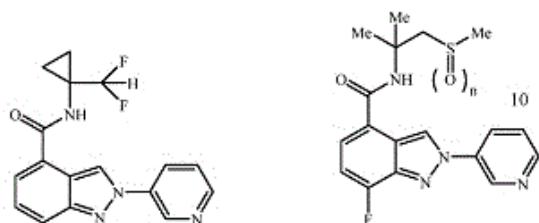
33: US 31: 62/778,992 32: 2018-12-13

33: US 31: 62/698,035 32: 2018-07-14

**54: PESTICIDAL MIXTURES COMPRISING
INDAZOLES**

00: -

Disclosed are Compound 1 and compounds of Formula 2, Also disclosed are compositions containing Compound 1 or compounds of Formula 2, or combinations thereof and methods for controlling an invertebrate pest comprising contacting the invertebrate pest or its environment with a biologically effective amount of a compound or a composition of the invention.



21: 2023/01090. 22: 2023/01/25. 43: 2024/03/06

51: E21B; E21D; F15B

71: J.H. FLETCHER & CO.

72: PAYNE, Nathan, U., ENDICOTT, Marc, D., HINSHAW, Gregory, E., BURGESS, Timothy, D.

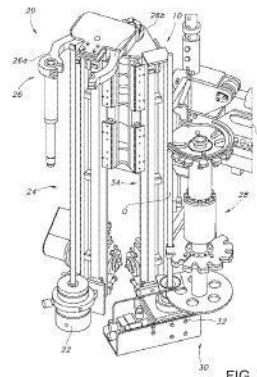
33: US 31: 63/044,425 32: 2020-06-26

**54: MINE DRILL MODULE INCLUDING GRIPPER
WITH FOLDING ARMS**

00: -

An apparatus is for installing support for a surface of a mine passage, such as a mine roof, using an object, such as a roof bolt. The apparatus includes a driver adapted to advance toward the surface for driving the object into the surface. A gripper includes first and second arms for gripping the object in a deployed position, such as upper and lower arms. The arms are linked such that engagement by one of

the arms with the driver during advance causes the arms to retract towards each other (downwardly, for example, in the case of the upper arm, and upwardly, for example, in the case of the lower arm). Related methods are also disclosed.



21: 2023/01100. 22: 2023/01/25. 43: 2024/03/14

51: B01D C07C

71: BASF SE

72: METZEN, Bernd, KUNKELMANN, Christian, LANG, Ortmund, KRAMP, Marvin, HECHLER, Claus

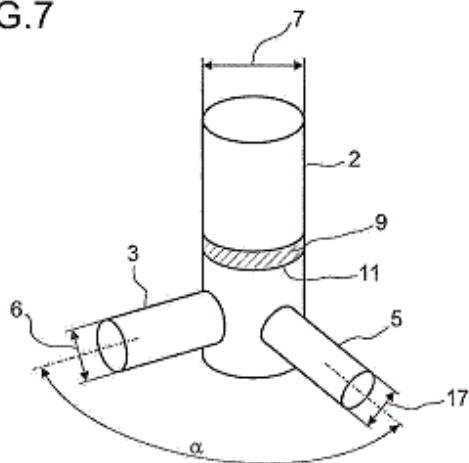
33: EP 31: 20182884.5 32: 2020-06-29

**54: DEVICE FOR CARRYING OUT MATERIAL
EXCHANGE PROCESSES**

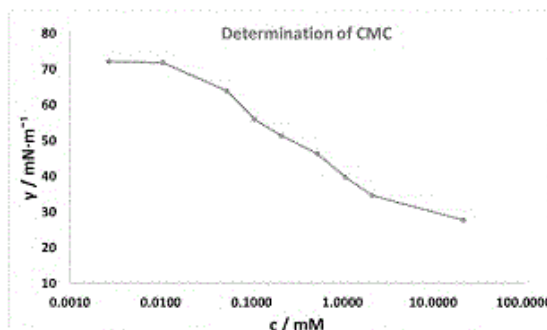
00: -

The invention relates to a device for carrying out material exchange processes, comprising a column having at least two connectors for supplying a vaporous phase, wherein separable components are accommodated in the column and a column section extends from the at least two connectors to the separable components, wherein less than 25% of a cross-sectional area of the column is covered, in relation to the total cross-sectional area, and wherein the at least two connectors have a height offset corresponding to max. three times a connector diameter, and the at least two connectors are at an angle (a) of 60° to 150° to one another and are asymmetrical to one another. The invention also relates to a use of the device and a method for designing the device.

FIG.7



surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.

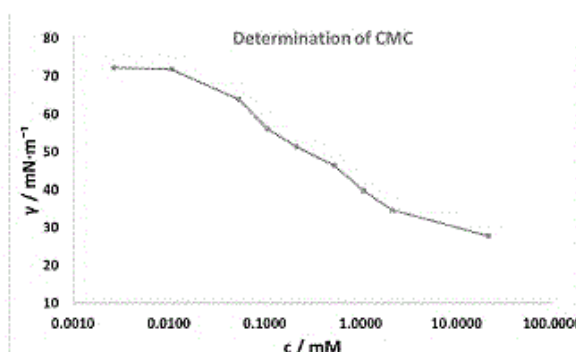
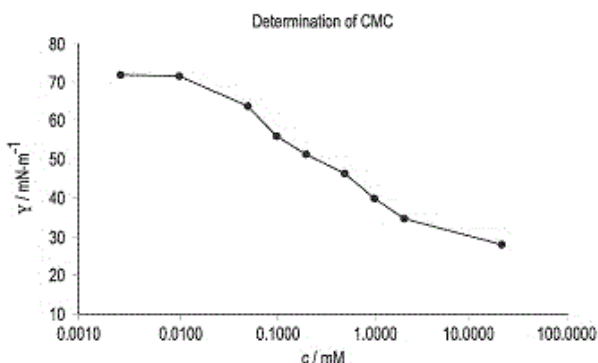


21: 2023/01110. 22: 2023/01/26. 43: 2024/03/05
 51: C09K
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD
 33: US 31: 63/051,192 32: 2020-07-13
54: BRANCHED AMINO ACID SURFACTANTS FOR OIL AND GAS PRODUCTION
 00: -

Branched surfactants for use in formulations and processes suitable for hydrocarbon recovery. These formulations, include formulations suitable for fracking, enhancing oil and or gas recovery, and the recovery and/or production of bio-based oils.

21: 2023/01112. 22: 2023/01/26. 43: 2024/03/05
 51: C11D; C07C; H01L; G03F
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD
 33: US 31: 63/051,187 32: 2020-07-13
54: BRANCHED AMINO ACID SURFACTANTS FOR ELECTRONICS PRODUCTS
 00: -

Pre-texturing agents, etchants, and photoresist stripping agents may be formulated to include one or more branched surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.



21: 2023/01111. 22: 2023/01/26. 43: 2024/03/05
 51: C09D; B01F; C09J; C08K
 71: ADVANSIX RESINS & CHEMICALS LLC
 72: ASIRVATHAM, EDWARD
 33: US 31: 63/051,191 32: 2020-07-13
54: BRANCHED AMINO ACID SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES
 00: -

Inks, paints, adhesives, and paint strippers may be formulated to include one or more branched

21: 2023/01113. 22: 2023/01/26. 43: 2024/03/01
 51: B65D; C08J; C08L
 71: HAUBNER, ALEXANDER
 72: HAUBNER, ALEXANDER, BURGSTALLER, CHRISTOPH
 33: AT 31: A 50640/2020 32: 2020-07-27
54: WOOD-PLASTIC COMPOSITE MATERIAL
 00: -

Described is a wood-plastic composite material for structural components of transport pallet, said

structural components being capable of being nailed together, having a matrix foamed by means of a blowing agent, wood meal fibres and an adhesion promoter. To create a wood-plastic composite material of this kind which enables a cost-efficient production of transport pallets with a wood-like appearance and constitutes a reliable replacement for the soft wood materials used up until now, at least with regard to weight and mechanical strength properties, it is proposed that the matrix, which comprises a long chain-branched polyolefin, has a mass fraction of 30 - 95 %, the wood meal fibres have a mass fraction of 5 - 50% and the adhesion promoter has a mass fraction of up to 10% of the wood-plastic composite material, the composite material density being less than 0.3 g/cm³.

21: 2023/01114. 22: 2023/01/26. 43: 2024/03/05
51: A61Q; A61K; C07C

71: ADVANSIX RESINS & CHEMICALS LLC

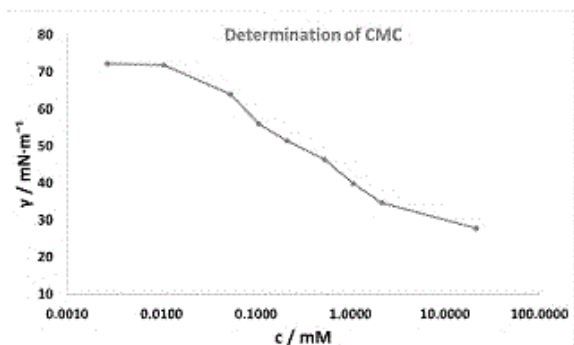
72: ASIRVATHAM, EDWARD

33: US 31: 63/051,193 32: 2020-07-13

54: BRANCHED AMINO ACID SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS

00: -

Personal care products, such as shampoos, conditioners, hair dyes, hair removal products, cleansers, cosmetics, mascaras, and toothpastes may be formulated to include one or more branched surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.



21: 2023/01115. 22: 2023/01/26. 43: 2024/03/05
51: A01N

71: ADVANSIX RESINS & CHEMICALS LLC

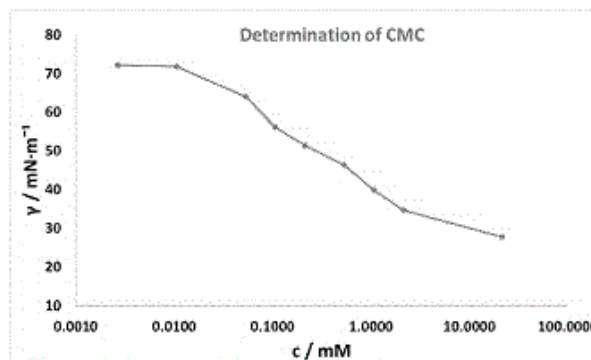
72: ASIRVATHAM, EDWARD

33: US 31: 63/051,197 32: 2020-07-13

54: BRANCHED AMINO ACID SURFACTANTS FOR AGRICULTURAL PRODUCTS

00: -

Agricultural products, such as pesticides, plant growth regulators, fungicides, herbicides, and insecticides, may be formulated to include one or more branched surfactants, from one or more surfactant classes, such as derivatives of amino acids that have surface-active properties.



21: 2023/01116. 22: 2023/01/26. 43: 2024/03/05
51: C11D; C07C; D06L

71: ADVANSIX RESINS & CHEMICALS LLC

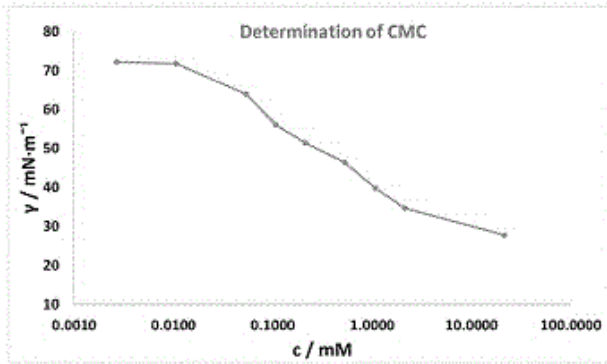
72: ASIRVATHAM, EDWARD

33: US 31: 63/051,199 32: 2020-07-13

54: BRANCHED AMINO ACID SURFACTANTS FOR CLEANING PRODUCTS

00: -

The present disclosure pertains to branched surfactants for use in the formulation of detergents, foaming agents, emulsifiers, and degreasers. Some aspects of the invention include formulations suitable for cleaning and/or condition fabrics including upholstery. Some formulations are suitable for in home or commercial dry cleaning. Some of the formulations may be suitable for cleaning hard surfaces including plastic surfaces.



21: 2023/01133. 22: 2023/01/27. 43: 2024/03/01
 51: G10L
 71: DOLBY INTERNATIONAL AB
 72: VILLEMoes, LARS, PURNHAGEN, HEIKO, EKSTRAND, PER, KJOERLING, KRISTOFER
 33: EP 31: 18169156.9 32: 2018-04-25
54: INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES

00: -
 A method for decoding an encoded audio bitstream is disclosed. The method includes receiving the encoded audio bitstream and decoding the audio data to generate a decoded lowband audio signal. The method further includes extracting high frequency reconstruction metadata and filtering the decoded lowband audio signal with an analysis filterbank to generate a filtered lowband audio signal. The method also includes extracting a flag indicating whether either spectral translation or harmonic transposition is to be performed on the audio data and regenerating a highband portion of the audio signal using the filtered lowband audio signal and the high frequency reconstruction metadata in accordance with the flag. The high frequency regeneration is performed as a post-processing operation with a delay of 3010 samples per audio channel.

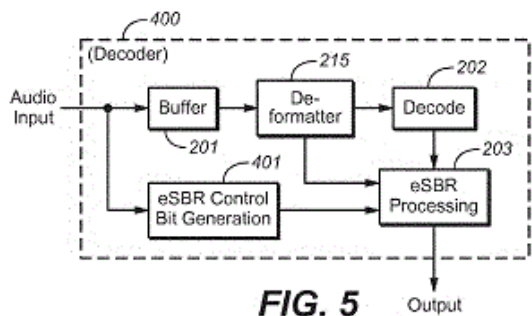
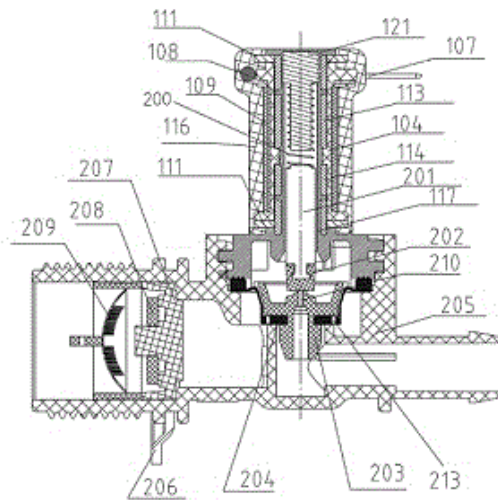


FIG. 5

21: 2023/01134. 22: 2023/01/27. 43: 2024/03/01
 51: F16K
 71: JIANGMEN TIANDI ELECTRICAL APPLIANCE CO., LTD
 72: WANG, HONGBIAO, AO, LIN
 33: CN 31: 201910898273.5 32: 2019-09-23
54: WATER INLET SOLENOID VALVE CAPABLE OF IMPROVING ELECTROMAGNETIC ATTRACTION AND IMPLEMENTING METHOD THEREFOR

00: -
 The present invention discloses a stator assembly with water-isolating sleeve applied to solenoid valve for water and an implementation method thereof, the implementation method comprising: forming a coil assembly with a cavity by installing an element including an insert on a coil rack wound with a coil winding; forming a stator assembly by installing an upper magnetic conductive inner sleeve and a lower magnetic conductive inner sleeve at both sides in a hole in the coil rack of the coil assembly, and fixing the yoke connecting the upper magnetic conductive inner sleeve and the lower magnetic conductive inner sleeve outside the coil assembly; injecting plastic on the stator assembly to form the stator assembly with water-isolating sleeve.



21: 2023/01143. 22: 2023/01/27. 43: 2024/03/05
 51: C07D; A61K; A61P
 71: HANMI PHARMACEUTICAL CO., LTD.
 72: MAH, SHIN MEE, HWANG, JI YOUNG, KIM, SEO HEE, PARK, SO MIN, AHN, YOUNG GIL, JUNG, SEUNG HYUN, HONG, DONG JIN
 33: KR 31: 10-2020-0102034 32: 2020-08-13
54: NOVEL DIOXOLOISOQUINOLINONE DERIVATIVES AND USE THEREOF

00: -

The present invention relates to novel dioxisoquinolinone derivative compounds and use thereof. More specifically, the present invention relates to novel dioxisoquinolinone derivative compounds with inhibition activity of EZH1(Enhancer of zeste homolog 1) and/or EZH2(Enhancer of zeste homolog 2) activity, a pharmaceutically acceptable salt thereof, and/or pharmaceutical compositions comprising the same.

21: 2023/01144. 22: 2023/01/27. 43: 2024/03/05
 51: A61K; A61Q
 71: DAVINES S.P.A.
 72: GOI, PAOLO, NICOLI, MARGHERITA, CACCIA, TERESA, GALLO, MICHELA, DE CARNE, BEATRICE
 33: IT 31: 102020000017485 32: 2020-07-17
54: COSMETIC FORMULATIONS FOR HAIR TREATMENT WITH IMPROVED PROPERTIES

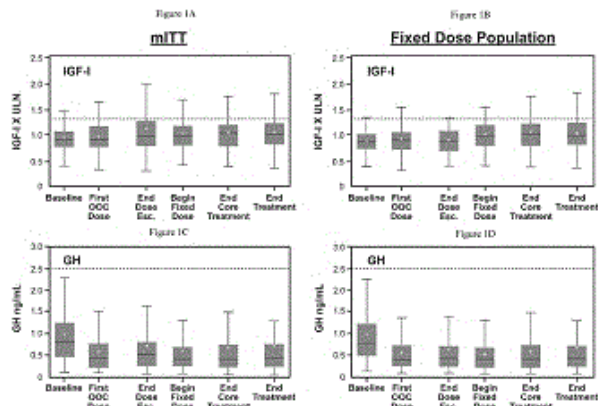
00: -

The present invention relates to the use of microfibrillated cellulose (MFC) as stabiliser, suspending agent and/or conditioner and/or filming agent and/or strengthener in hair-treatment formulations. Particular embodiments of the present invention are formulations such as shampoos, leave-on hair-conditioning balms, and products for dyeing hair.

21: 2023/01198. 22: 2023/01/30. 43: 2024/03/01
 51: A61K; A61P
 71: AMRYT ENDO, INC.
 72: MAMLUK, RONI
 33: US 31: 62/111,369 32: 2015-02-03
 33: US 31: 62/136,012 32: 2015-03-20
54: METHOD OF TREATING DISEASES

00: -

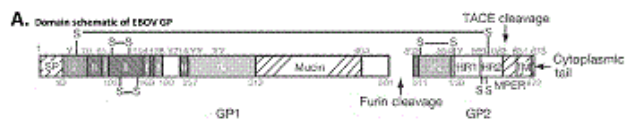
Methods of treating acromegaly in a subject are described herein. Exemplary methods include orally administering to the subject at least once daily at least one dosage form comprising octreotide, wherein the octreotide in each dosage form is 20 mg, and wherein the administering occurs at least 1 hour before a meal or at least 2 hours after a meal.



21: 2023/01221. 22: 2023/01/30. 43: 2024/03/05
 51: A61K; C07K
 71: THE SCRIPPS RESEARCH INSTITUTE
 72: HE, LINLING, ZHU, JIANG, CHAUDHARY, ANSHUL, WILSON, IAN
 33: US 31: 63/063,530 32: 2020-08-10
54: COMPOSITIONS AND METHODS RELATED TO EBOLA VIRUSVACCINES

00: -

The present invention provides novel engineered Ebolavirus GP proteins and polypeptides, as well as scaffolded vaccine compositions that display the engineered proteins. The invention also provides methods of using such engineered Ebolavirus GP proteins and vaccine compositions in various therapeutic applications, e.g., for preventing or treating Ebolavirus infections.



21: 2023/01267. 22: 2023/01/31. 43: 2024/03/05
 51: A61K; A61P; C07K
 71: ERASMUS UNIVERSITY MEDICAL CENTER ROTTERDAM
 72: SCHNEIDER-KRAMANN, REBEKKA KATHARINA MARITA
 33: EP 31: 20187323.9 32: 2020-07-23
54: S100 PROTEINS AS NOVEL THERAPEUTIC TARGETS IN MYELOPROLIFERATIVE NEOPLASMS

00: -

The current invention pertains an inhibitor of an S100 protein, preferably an inhibitor of an S100A8 or S100A9 protein, for the prevention or treatment of a myeloproliferative neoplasm. In particular, the

invention pertains to an inhibitor of an S100A8 or S100A9 protein, for the prevention or treatment of primary myelofibrosis. The invention further pertains to a diagnostic method for identifying a subject suffering from a myeloproliferative neoplasm, comprising a step of detecting the presence of an S100 protein, preferably S100A8 or S100A9, in a biological sample.

21: 2023/01269. 22: 2023/01/31. 43: 2024/03/01
51: G01R; G07C

71: DEHN SE

72: ZIEHMER, RAINER, PAULUS, CHRISTIAN, MEIER, WOLFGANG

33: DE 31: 10 2020 210 371.2 32: 2020-08-14

54: METHOD FOR THE AUTOMATIC MONITORING OF AN ELECTROTECHNICAL WORK FLOW, AND CORRESPONDING DEVICE

00: -

The present invention relates to a method for the automatic monitoring of an electrotechnical work flow and to a corresponding device. The method comprises the following steps: establishing (S0) a first bidirectional communications link (F1) between a mobile communications unit (1) and a mobile voltmeter (10); starting (S1) a work step sequence program on a mobile communications unit (1) by means of an input device (1b) of the mobile communications unit (1); outputting (S2) a work step instruction (A) to disconnect a live electronic component (K1) in order to effect an absence of voltage at the electronic component (K1) on an outputting device (1a) of the mobile communications unit (1) by the work step sequence program; automatically or manually confirming (S3) the disconnection of the electronic component (K1) at the mobile communications unit (1); following the confirmation (S3) of the disconnection of the electronic component (K1), outputting (S4) a work step instruction (A) to check the absence of voltage at the electronic component (K1) by means of the mobile voltmeter (10) on the outputting device (1a) of the mobile communications unit (1) by the work step sequence program; checking (S5) the absence of voltage at the electronic component (K1) by means of the mobile voltmeter (10); communicating (S6) the result of the check from the mobile voltmeter (10) to the mobile communications unit (1); if the result of the check indicates an absence of

voltage, automatically confirming (S8) the check of the absence of voltage from the electronic component (K1) by outputting a confirmation signal by the mobile communications unit (1); if the result of the check does not indicate an absence of voltage, outputting (S9a) a first alarm signal by the mobile communications device (1).

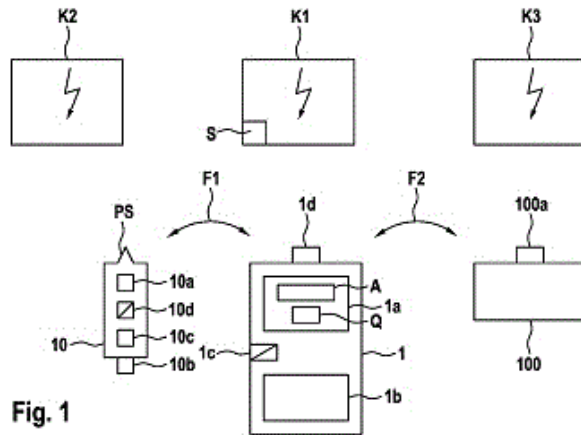


Fig. 1

21: 2023/01271. 22: 2023/01/31. 43: 2024/03/05
51: A61K

71: PISAK, MEHMET NEVZAT

72: PISAK, MEHMET NEVZAT

33: TR 31: PCT/TR2020/050612 32: 2020-07-09

54: CURCUMINOID COMPOSITIONS WITH HIGH BIOAVAILABILITY

00: -

The present invention is based on the highly soluble and bioavailable curcuminoid compositions which can be made at a commercial scale with a simple manufacturing process. Thus, the present invention relates to oral compositions comprising a curcuminoid compound, for use in the nutraceutical, pharmaceutical, food or beverage industries and its production methods.

21: 2023/01352. 22: 2023/02/02. 43: 2024/04/25
51: H04N

71: B1 INSTITUTE OF IMAGE TECHNOLOGY, INC.

72: KIM, Ki Baek

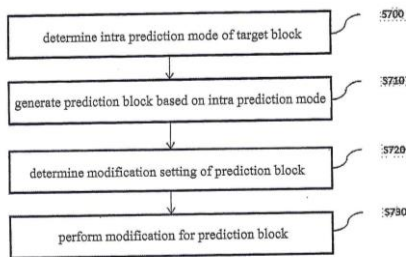
33: KR 31: 10-2018-0107256 32: 2018-09-07

54: IMAGE ENCODING/DECODING METHOD AND DEVICE

00: -

Image encoding/decoding method and device according to the present invention enable deciding of an intra-screen prediction mode of a target block,

generation of a prediction block of the target block on the basis of the intra-screen prediction mode, and correction of the generated prediction block.



21: 2023/01651. 22: 2023/02/09. 43: 2024/03/12
51: C10G; B01J

71: JOHNSON MATTHEY PROCESS TECHNOLOGIES, INC

72: ALLAHVERDI, MEHDI, DIDDAMS, PAUL, KANYI, CHARLES

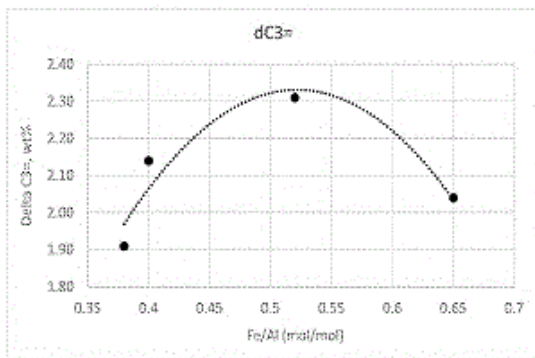
33: US 31: 63/198,262 32: 2020-10-07

54: ADDITIVE FOR FCC PROCESS

00: -

The invention includes an additive for maximizing production of olefins. The additive comprises a ZSM-5 molecular sieve, at least one inorganic oxide, and phosphorus oxide. The ZSM-5 molecular sieve has iron in the framework, and the additive comprises at least 0.5 weight percent iron, as measured as iron oxide, in the molecular sieve framework. The additive is useful for maximizing production of olefins in a FCC process

FIGURE 1: Propylene make vs Ratio of Framework Fe:Al



21: 2023/01850. 22: 2023/02/15. 43: 2024/03/14
51: F28D

71: ENVOLA GMBH

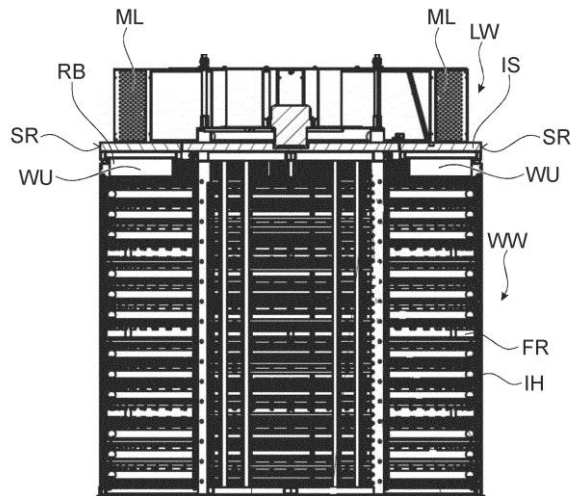
72: IHLE, Gerhard, ELHELALY, Islam, SCHECHNER, Alexander

33: DE 31: 10 2020 119 652.0 32: 2020-07-24

54: DEVICE FOR AN ENERGY TRANSFER AND FOR AN ENERGY STORAGE IN A LIQUID RESERVOIR

00: -

The invention relates to a device for an energy transfer and/or an energy storage in a liquid reservoir (FR). The device (VO) has a water heat exchanger (WW) and an air heat exchanger (LW) arranged over the water heat exchanger (WW). The water heat exchanger (WW) is arranged in a liquid reservoir (FR), and the device (VO) has an external air inlet (LE) from which an external airflow to an air outlet (LA) through the air heat exchanger (LW) can be generated. The invention is characterized by a heat transfer device (WU) which is designed to conduct exhaust air flowing in from an exhaust air inlet (AU) to an edge region (RB) of the heat transfer device (WU) in order to transfer energy via the liquid reservoir (FR), and the exhaust air can be supplied to the air heat exchanger (LW) from the heat transfer device as an outgoing airflow, said external airflow and outgoing airflow being mixed in the air heat exchanger.



21: 2023/01853. 22: 2023/02/15. 43: 2024/03/14
51: F24F F25B F28D

71: ENVOLA GMBH

72: SCHECHNER, Alexander, IHLE, Gerhard, ELHELALY, Islam

33: DE 31: 10 2020 119 653.9 32: 2020-07-24

54: SYSTEM FOR CLIMATE-CONTROL OF INTERIOR SPACES OF A BUILDING

00: -

The document describes a system for climate-control of interior spaces (4) of a building (6), which spaces are connected via at least one waste air duct (10), wherein one or more interior spaces (4) are provided with a climate-control device (34) which has an inflow (38) for external air, which inflow provides fresh air or recirculated air to the interior space(s) (4), and which is connected to a fluid circuit (32) of a heat pump (30), wherein the waste air duct (10) and a further fluid circuit (28) of the heat pump are connected to an energy accumulator (14) arranged outside the building (6), wherein the energy accumulator (14) is designed for energy transfer and for energy storage with a heat exchanger (18) in a liquid reservoir (16), which is connected to the further fluid circuit (28) of the heat pump (30) via the heat exchanger (18), wherein the waste air is guided into the liquid reservoir (16) via a heat exchanger (26).

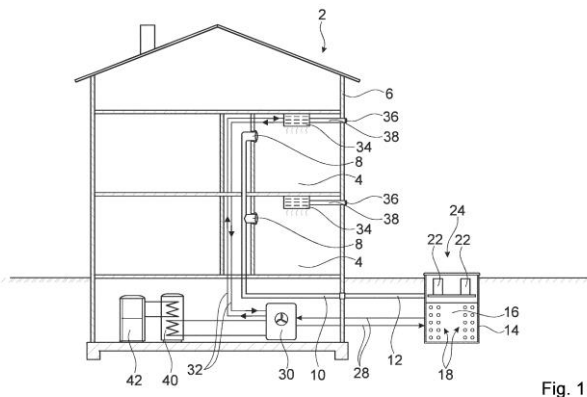
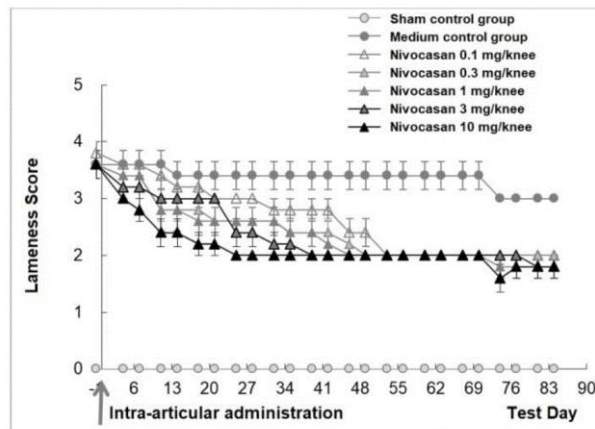


Fig. 1

21: 2023/02270. 22: 2023/02/22. 43: 2024/03/14
 51: A61K A61P
 71: LG CHEM, LTD.
 72: BAEK, Jae Uk, PARK, Jung Gyu, KIM, Sung Won, PARK, Hyun Seo, CHOI, Sei Hyun, JIN, Myung Won, LEE, Min Kyoung

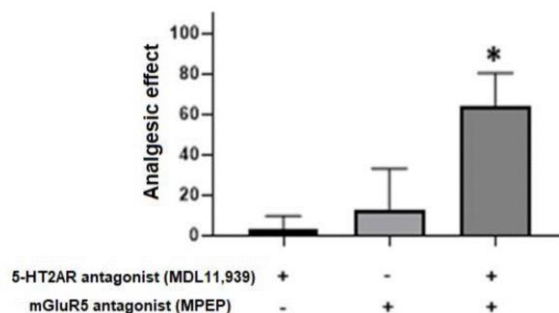
33: KR 31: 10-2020-0098151 32: 2020-08-05
54: USE OF CASPASE INHIBITOR FOR ALLEVIATING OR TREATING OSTEOARTHRITIS
 00: -

The present invention relates to a use of a caspase inhibitor for alleviating or treating osteoarthritis.



21: 2023/02271. 22: 2023/02/22. 43: 2024/03/14
 51: C07D A61K A61P C07C
 71: VIVOZON, INC.
 72: CHOI, Dae Kyu, KIM, Hyo Jin, BAE, Mi Seon, CHOI, Jin, HEO, Hyun Jin, LEE, Yong Seok, LEE, Geon Ho, SHIM, Mi Yon, PARK, Jin Sun, LEE, Han Mi
 33: KR 31: 10-2020-0094236 32: 2020-07-29
54: DUAL REGULATOR FOR MGLUR5 AND 5-HT2A RECEPTORS AND USE THEREOF
 00: -

A dual regulator for MGLUR5 and 5-HT2A receptor and a use thereof are disclosed. More specifically, a compound functioning as both a regulator of mGluR5 and an antagonist of 5-HT2A receptor, and a use thereof as a therapeutic agent for pain are disclosed.



21: 2023/02273. 22: 2023/02/22. 43: 2024/03/14
 51: A61K A61P
 71: CENTRO DE INMUNOLOGIA MOLECULAR
 72: MACÍAS ABRAHAM, Amparo Emilia, CROMBET RAMOS, Tania, LEÓN MONZÓN, Kalet, SAAVEDRA HERNÁNDEZ, Danay, SANTOS MORALES, Orestes, NENINGER VINAGERAS, Elia, PINO ALFONSO, Pedro Pablo, HERNANDEZ

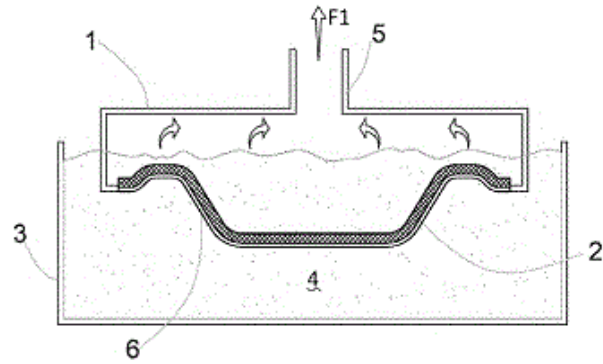
REYES, Jenysbel de la Caridad, REID, Mary, LEE, Kelvin

33: CU 31: CU-2020-0034 32: 2020-07-30

54: USE OF EPIDERMAL GROWTH FACTOR DEPLETING AGENTS IN THE TREATMENT OF THE CHRONIC OBSTRUCTIVE PULMONARY DISEASE

00: -

The present invention is related to the fields of Biotechnology and Medicine. Particularly, it describes the use of epidermal growth factor (EGF) deprivation agents that contribute to lowering and/or depleting serum epidermal growth factor levels, which has implications in the treatment of the chronic obstructive pulmonary disease. These agents can be vaccine compositions comprising as active principle the conjugate between recombinant human EGF and a carrier protein.



21: 2023/03814. 22: 2023/03/16. 43: 2024/05/08

51: G06T

71: THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN

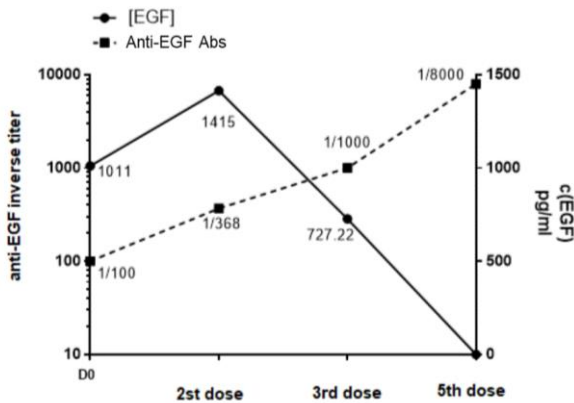
72: LI, Zhen, YAN, Xu, ZHAO, Weibing

33: WO 31: PCT/CN2020/109812 32: 2020-08-18

54: IMAGE PROCESSING METHOD, APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM

00: -

Disclosed are an image processing method and apparatus, and a computer device and a storage medium. The method includes: acquiring a low-resolution image to be processed; searching features in a preset reference pool according to the low-resolution image, to obtain a reference feature map, wherein the reference feature map is obtained by extracting features of a high-definition image set in the reference pool; and enhancing features of the low-resolution image according to the reference feature map, to obtain a high-resolution image. Due to the diversification of the images in the reference pool, the reference feature map contains all local features that can possibly be used, such that high-frequency texture information can be provided for each low-resolution image, which not only guarantees the richness of features, but also reduces the memory burden. In addition, the reference feature map is searched according to the low-resolution image, and the selected reference feature map can adaptively block out or enhance a variety of different features, thereby making the low-resolution image richer in detail.



21: 2023/03533. 22: 2023/03/13. 43: 2024/03/14

51: D21J

71: FTT S.R.L.

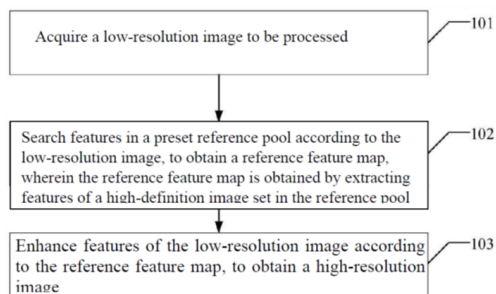
72: PICCOLO, DIEGO, MARANGONI, ALEX

33: EP 31: 21176321.4 32: 2021-05-27

54: SELECTIVE DOUBLE LAYER MOULDING PROCESS AND APPARATUS

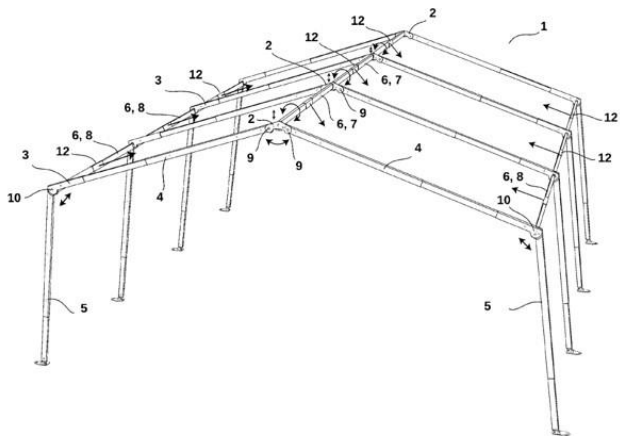
00: -

The present invention relates to a moulding process. In particular it relates to an improved double layer moulding process allowing to deposit, in a selective and localized way, an additional cellulose layer only in the points detected as critical, with the purpose of increasing the mechanical and aesthetical features thereof.



21: 2023/04130. 22: 2023/04/04. 43: 2024/04/30
 51: E04B; E04H
 71: ZEPÉLIN, S.R.O.
 72: Juraj BREZAN
 33: SK 31: PUV 50096-2020 32: 2020-09-06
54: FOLDABLE TENT FRAME
 00: -

A foldable tent frame (1), which comprises portal frames (3) including rafters (4) connected to the ridge part (2, 24) of the portal frame (3) by pin joints (9) and posts (5) connected to the rafters (4) by pin joints (10), where the portal frames (3) are connected in a row by purlins (6), where the purlins (6) including ridge purlins (7) and eave purlins (8) are connected to the portal frames (3) by pin joints (11), and the purlins (6) comprise a pin joint (12) also on their length, where at least the ridge purlin (6, 7) is mounted rotationally around the axis perpendicular to the axis of the pin joint (11) of the purlin (6, 7) and the portal frame (3).



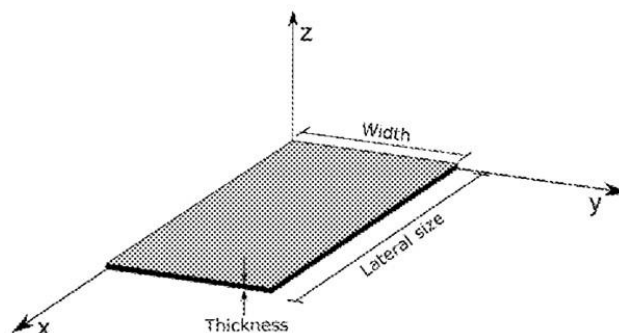
21: 2023/04211. 22: 2023/04/06. 43: 2024/04/29
 51: C22C; C23C
 71: VERDICIO SOLUTIONS A.I.E.
 72: Thi Tan VU, Laura MEGIDO FERNANDEZ,
 Carlota DOMINGUEZ FERNANDEZ, Jorge

RODRIGUEZ GARCIA, David NORIEGA PEREZ,
 Roberto SUAREZ SANCHEZ, Cristina BLANCO
 ROLDAN

54: A COATED CAST IRON SUBSTRATE

00: -

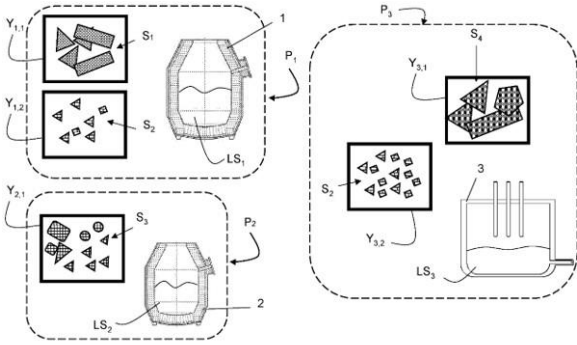
The present invention relates to a coated cast iron substrate comprising a coating comprising nanographites and a binder being sodium silicate, wherein the cast iron substrate has a composition, in weight percent, comprising from 2.0 to 6.67% C and comprising optionally one or more of the following elements: Mn ≤ 3 wt%, Si ≤ 5 wt%, Mo ≤ 2 wt%, Cu ≤ 2.5 wt%, Ni ≤ 2 wt%, Cr ≤ 3 wt%, V ≤ 0.5 wt%, Zr ≤ 0.3 wt%, Bi ≤ 0.01 wt%, Mg ≤ 0.1 wt%, Ce ≤ 0.04 wt%, the remainder of the composition being made of iron and inevitable impurities resulting from the elaboration. The invention also relates to a method for the manufacture of this coated cast iron substrate.



21: 2023/04333. 22: 2023/04/12. 43: 2024/04/29
 51: C21C
 71: ARCELORMITTAL
 72: Borja ENA RODRIGUEZ, Pablo VALLEDOR
 PELLICER, Alejandro FERNANDEZ ALONSO,
 Diego DIAZ FIDALGO
 33: IB 31: PCT/IB2020/061424 32: 2020-12-03
**54: SCRAP INVENTORY MANAGEMENT
 METHOD**

00: -

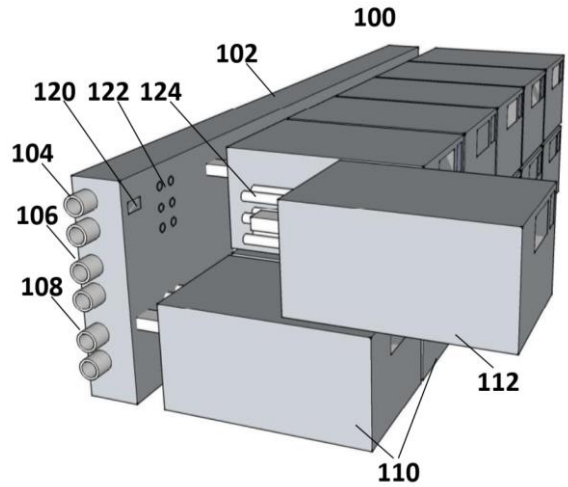
A scrap inventory management method allowing to have a better control of scrap stocks. The method includes a calculation step of at least one combination of an action to be performed and an associated quantity for a given scrap based on characteristics of the liquid steel to be produced and on scrap properties.



increase the efficiency of many thermal systems, and serve new industrial thermal needs. Safe use of potentially toxic and flammable refrigerants is enabled by enclosing the heat pump modules within a hermetic enclosure with multiple overpressure safeties employed. The tool necessary for servicing these thermal systems without any refrigerant leakage is included.

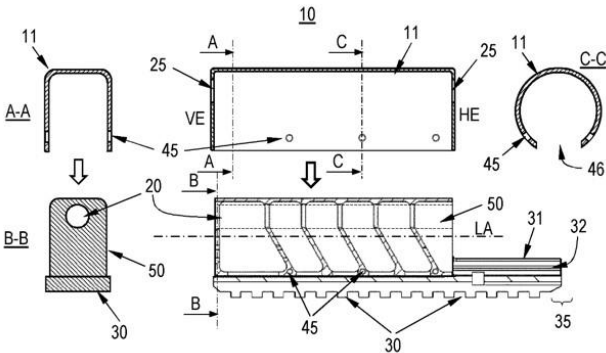
21: 2023/04382. 22: 2023/04/13. 43: 2024/04/29
 51: F41A
 71: Dieter CHRISTANDL
 72: Dieter CHRISTANDL
 33: DE 31: 10 2020 126 023.7 32: 2020-10-05
54: SILENCER
 00: -

The invention relates to a sound suppressor (10) for a portable firearm (90), more particularly a pistol. The sound suppressor comprises a fastening rail (30) for fastening the sound suppressor (10) to the portable firearm (90), a sound suppressor insert (50), designed to reduce sound emissions when a shot is fired, being arranged on the fastening rail (30) and being designed as one piece with the fastening rail (30).



21: 2023/04418. 22: 2023/04/14. 43: 2024/04/29
 51: B62D
 71: ARCELORMITTAL
 72: Dan HASENPOUTH, Olivier MORIAU
 33: IB 31: PCT/IB2020/060465 32: 2020-11-06
54: REAR UNDERFLOOR STRUCTURE FOR A MOTOR VEHICLE
 00: -

Rear underfloor structure (2) for a motor vehicle (1) comprising a first and a second side member (4) and at least one cross member (5) linking said first and second side members (4), wherein said rear underfloor structure (2) is made by stamping a single tailor welded blank (26) comprising at least two sub-blanks.



21: 2023/04414. 22: 2023/04/14. 43: 2024/05/02
 51: F24F
 71: Clemenzi, Richard A., Siglin, Judith A.
 72: Clemenzi, Richard A., Siglin, Judith A.
 33: US 31: 63/078,411 32: 2020-09-15
 33: US 31: 63/137,437 32: 2021-01-14
 33: US 31: 63/141,959 32: 2021-01-26
54: MODULAR ENCAPSULATED HEAT PUMPS
 00: -

A new thermal system utilizing removable heat pump modules to decrease servicing time and complexity, increase the range of refrigerants safely usable,

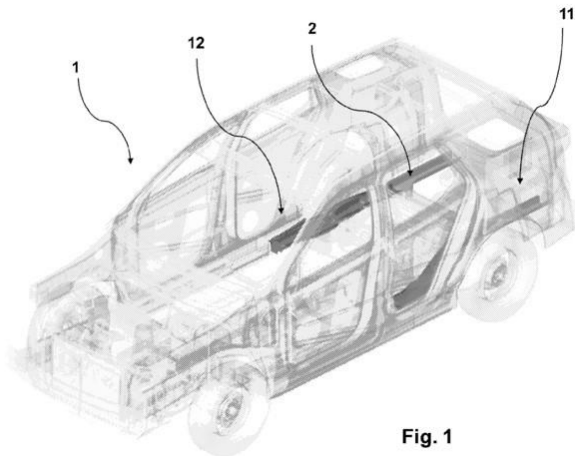


Fig. 1

21: 2023/04516. 22: 2023/04/18. 43: 2024/04/30

51: B23D

71: ARCELORMITTAL

72: Thomas TOUCHE, Sébastien CHAMPEMAUD, Stéphane ERTZ, Jean-Marc HEMMEN

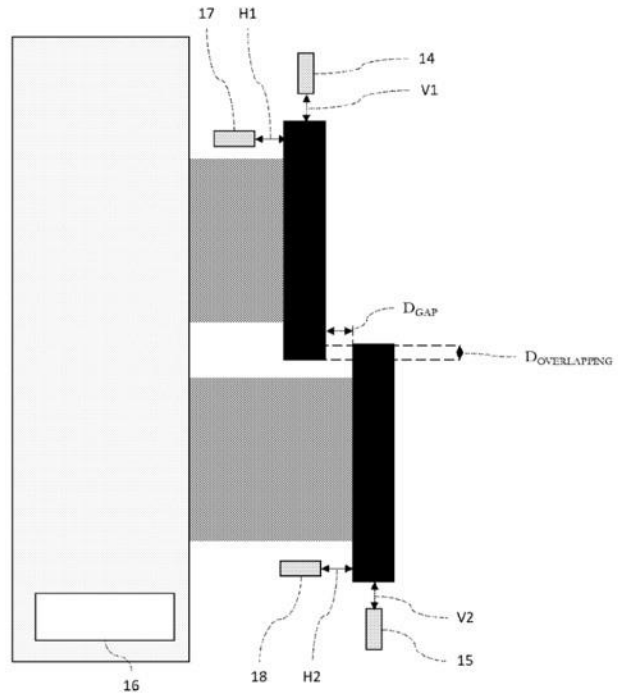
33: IB 31: PCT/IB2020/061933 32: 2020-12-15

54: MASTERING OF TRIMMING KNIVES

POSITION

00: -

Trimming device (7) for metallic sheets comprising: - an upper knife (8), comprising a central circular face (9) having a diameter D1 and a thickness T1, mounted on an upper shaft (10); - a lower knife (11), comprising a central circular face (12) having a diameter D2 and a thickness T2, mounted on a lower shaft (13), wherein said upper knife and said lower knife are vertically shifted with an overlap (DOVERLAP) so as to define a shear of said metallic sheet and wherein at least one of said upper (10) or lower (13) shaft is able to be moved vertically; - a first distance sensor (14), able to measure a vertical distance (V1) to the upper end of said upper knife; - a second distance sensor (15), able to measure a vertical distance (V2) to the lower end of said lower knife; and - a computing means (16) able to compute said overlap.



21: 2023/04564. 22: 2023/04/19. 43: 2024/04/29

51: C21D; C22C

71: ARCELORMITTAL

72: Diego CARRASCAL, David ALVAREZ DIEZ, José ARANCON ALVAREZ, Wilberth SOLANO ALVAREZ

54: STEEL FOR RAILS AND A METHOD OF MANUFACTURING OF A RAIL THEREOF

00: -

A steel for rail comprising of the following elements, $0.25\% \leq C \leq 0.8\%$; $1.0\% \leq Mn \leq 2.0\%$; $1.40\% \leq Si \leq 2\%$; $0.01\% \leq Al \leq 1\%$; $0.8\% \leq Cr \leq 2\%$; $0 \leq P \leq 0.09\%$; $0 \leq S \leq 0.09\%$; $0\% \leq N \leq 0.09\%$; $0\% \leq Ni \leq 1\%$; $0\% \leq Mo \leq 0.5\%$; $0\% \leq V \leq 0.2\%$; $0\% \leq Nb \leq 0.1\%$; $0\% \leq Ti \leq 0.1\%$; $0\% \leq Cu \leq 0.5\%$; $0\% \leq B \leq 0.008\%$; $0\% \leq Sn \leq 0.1\%$; $0\% \leq Ce \leq 0.1\%$; $0\% \leq Mg \leq 0.10\%$; $0\% \leq Zr \leq 0.10\%$; the remainder composition being composed of iron and unavoidable impurities caused by processing, the microstructure of said steel comprising, by area percentage, 2% to 10% of Proeutectoid Ferrite, the balance being made of Pearlite wherein the pearlite having interlamellar spacing from 100nm to 250nm.

21: 2023/04632. 22: 2023/04/21. 43: 2024/03/13

51: E04B

71: JIANGSU VOCATIONAL INSTITUTE OF ARCHITECTURAL TECHNOLOGY

72: WANG, DONG, JI, XIANG, TIAN, GUOHUA, ZHANG, JIE, JIANG, DEPING

33: CN 31: 2023102083991 32: 2023-03-07

54: ASSEMBLED SPECIAL-SHAPED PARTITION WALL STRUCTURE

00: -

The present disclosure belongs to a field of partition wall technologies, and more particularly, to an assembled special-shaped partition wall structure, including a keel bent frame, a panel system, and a guide wheel assembly; the keel bent frame is composed of a keel joint rod and a soft rubber connector; the soft rubber connector is fixedly sleeved on a surface of the keel joint rod; two adjacent keel joint rods are fixed in series through a soft rubber connector therebetween to form a keel system of a required length; and the panel system is fixed onto the keel joint rod through a magnetic adhesive material layer. In the present disclosure, construction of the special-shaped wall is completed through flexible connecting materials, and the system is composed of modularized materials, with strong adaptability, more application scenarios, higher material recovery rate, and reusability; through implementation of the modified technology, construction time of special-shaped temporary partition walls inside office buildings, temporary buildings, and exhibition halls may be greatly shortened; and when building space needs to be modified, the wall system may be reused, which avoids wastes of construction resources.

21: 2023/04708. 22: 2023/04/24. 43: 2024/04/29

51: G01J

71: ARCELORMITTAL

72: Noëlle MICQUE, Gwenaël LE NOC, Morgan FERTE

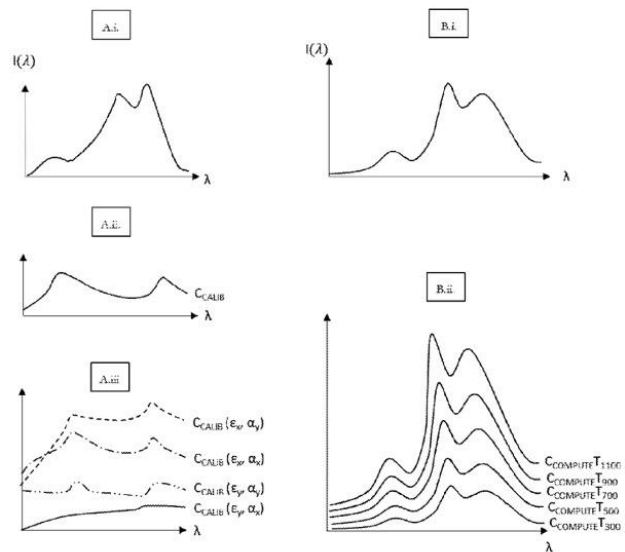
33: IB 31: PCT/IB2020/061937 32: 2020-12-15

54: ESTIMATION OF THE TEMPERATURE OF A STEEL PRODUCT

00: -

The invention relates to a method for estimating the temperature of a steel product comprising a calibration step wherein the intensities at 5 wavelengths ranging from 0.9 to 2.1 μm are recorded for several measurement condition and spectral attenuation coefficients are computed, a measurement step wherein the intensities at said 5 wavelengths are recorded and spectral attenuation coefficients are computed for several temperatures

and a comparison step wherein a probability test is performed to estimate the steel product temperature.



21: 2023/04709. 22: 2023/04/24. 43: 2024/04/29

51: C21D; C22C; C23C; F27B

71: ARCELORMITTAL

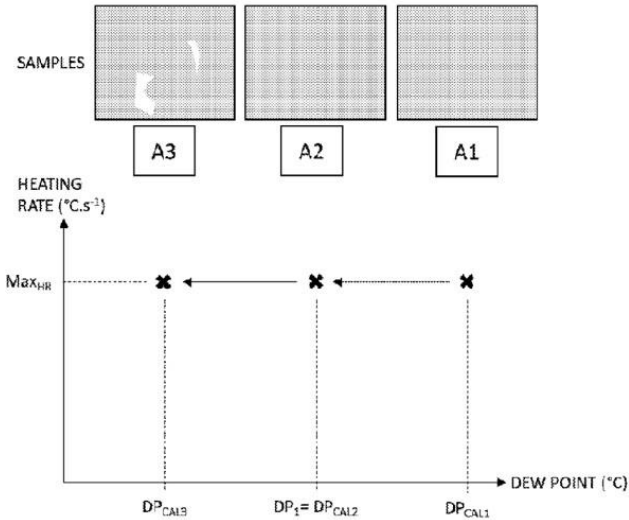
72: Florence BERTRAND, Didier HUIN, Hubert SAINT-RAYMOND

33: IB 31: PCT/IB2020/061960 32: 2020-12-15

54: ANNEALING METHOD

00: -

The invention relates to a method for the manufacture of a steel sheet, in a device comprising a pre-heating section, a heating section having a maximal heating rate and a soaking section comprising a calibrating step, a recrystallization annealing and a soaking and a coating step. The calibration step permits to define a lower dew point permitting to achieve a predefined quality target.



21: 2023/04710. 22: 2023/04/24. 43: 2024/04/29
 51: G06K
 71: TECHNISCHE UNIVERSITÄT DRESDEN
 72: Sören GEISSLER, Thomas HERLITZIUS, Samuel PANTKE, Patrick ZIRKER, Martin HENGST
 33: DE 31: 10 2020 128 759.3 32: 2020-11-02
54: SOFTWARE METHOD FOR OPTO-SENSORY DETECTION, MEASUREMENT AND VALUATION OF TOOL CONDITIONS

00: -
 The invention relates to a computer-implemented method for the optical sensing, the detection and the quantification of relevant conditions and/or their changes with respect to at least one target object, wherein at least one target object is temporarily positioned opposite an optical sensor device and wherein the fault conditions of the fault classes deviate from the optimal state. The method is characterized particularly in that the background and the target object are distinguished by means of a higher rate of change of the image information of the background in comparison with the rate of change of the image information of the target object.

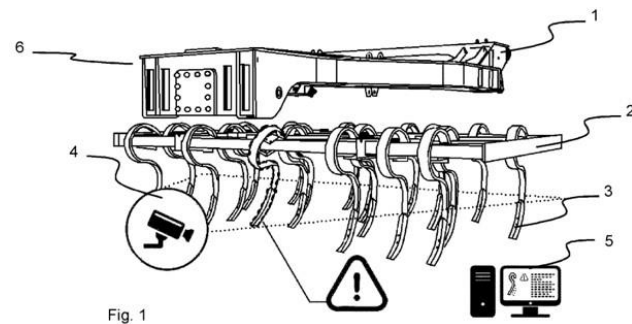
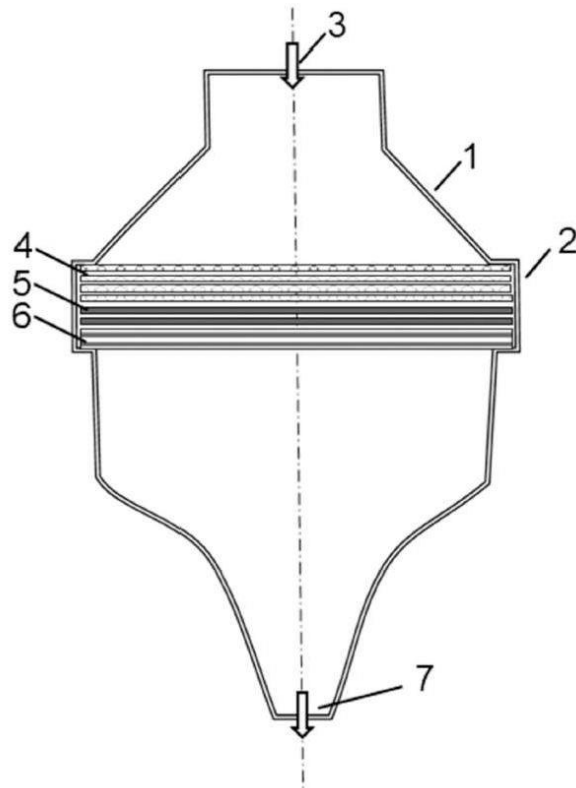


Fig. 1

21: 2023/04895. 22: 2023/05/02. 43: 2024/04/15
 51: B01D; B01J; C01B; F23C; F23L
 71: HERAEUS DEUTSCHLAND GMBH & CO. KG
 72: HESSE, Jens, HIRSCHHEL, Pasca, MAIER, Dirk, JANTSCH, Uwe
 33: EP 31: 22175270.2 32: 2022-05-25
54: CATALYST SYSTEM FOR A FLOW REACTOR AND METHOD FOR CATALYTIC OXIDATION OF AMMONIA

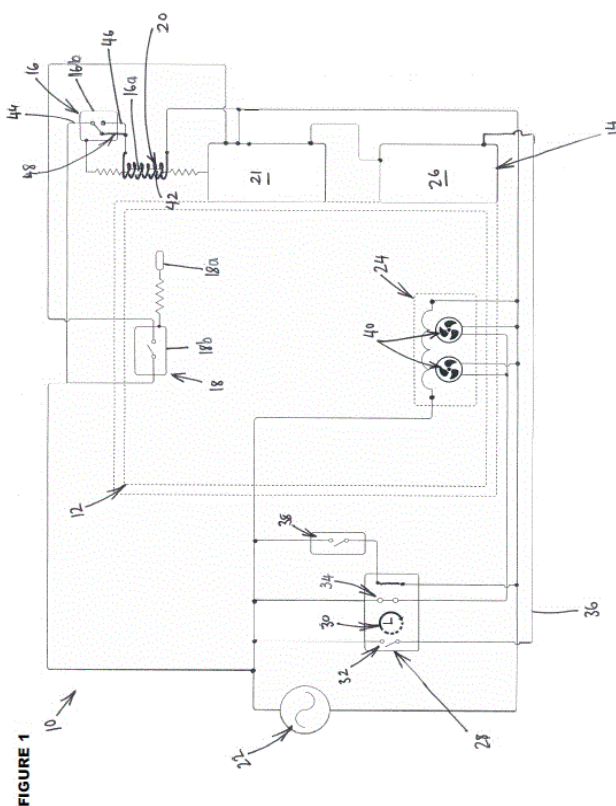
00: -
 The present invention relates to a catalyst system for flow reactors which is characterized by the sequence of the noble metal-containing alloys used of the catalyst networks forming the catalyst system. By using palladium alloys for a second and third catalyst network group, the platinum content of the catalyst system can be kept relatively low overall. In addition, the invention relates to a method for catalytic combustion of ammonia, in which a fresh gas containing at least ammonia is conducted through a catalyst system.



21: 2023/05050. 22: 2023/05/08. 43: 2024/02/29
 51: F25D
 71: GOUWS, Johannes, Cornelius,
 72: GOUWS, Johannes, Cornelius,
 33: ZA 31: 2022/06140 32: 2022-06-02

54: A COOLING SYSTEM

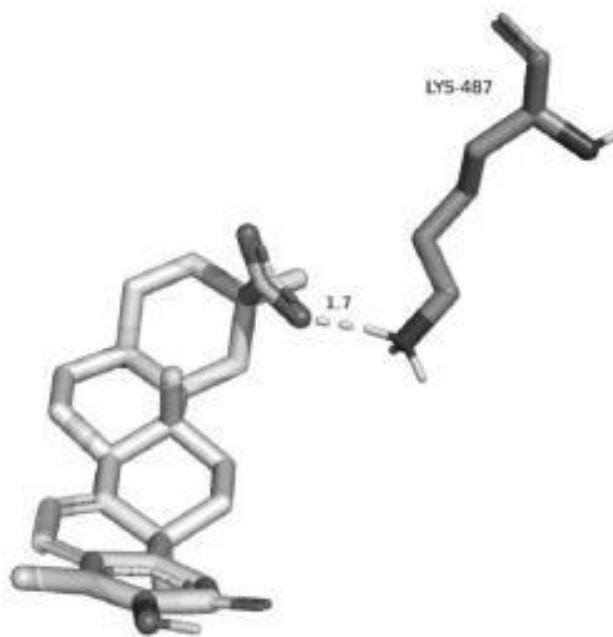
00: -
 A cooling system for a cold room which includes a split inverter air conditioning unit, broadly indicated by reference numeral, utilising a refrigeration cycle to cool the cold room which includes a first thermostat located outside the cold room having a temperature sensor and control unit and a second thermostat located inside the cold room having a temperature sensor and control unit for allowing control of the refrigeration cycle, according to the temperature sensed by the sensors, and a heating member positioned in the vicinity of the temperature sensor for increasing the temperature readings thereof for manipulating operation of the air conditioning unit in order to cool the cold room to temperatures below minimum temperatures of a standard split inverter air conditioning unit (not shown).



21: 2023/06030. 22: 2023/06/07. 43: 2024/04/23
 51: A61K
 71: NORTHEAST AGRICULTURAL UNIVERSITY
 72: LI, Yanhua, YUAN, Zhongwei, ZHAO, Mengmeng, QU, Qianwei, DONG, ChunLiu, ZHENG, Yadan, ZHANG, Zhiyun, LIU, Yanyan

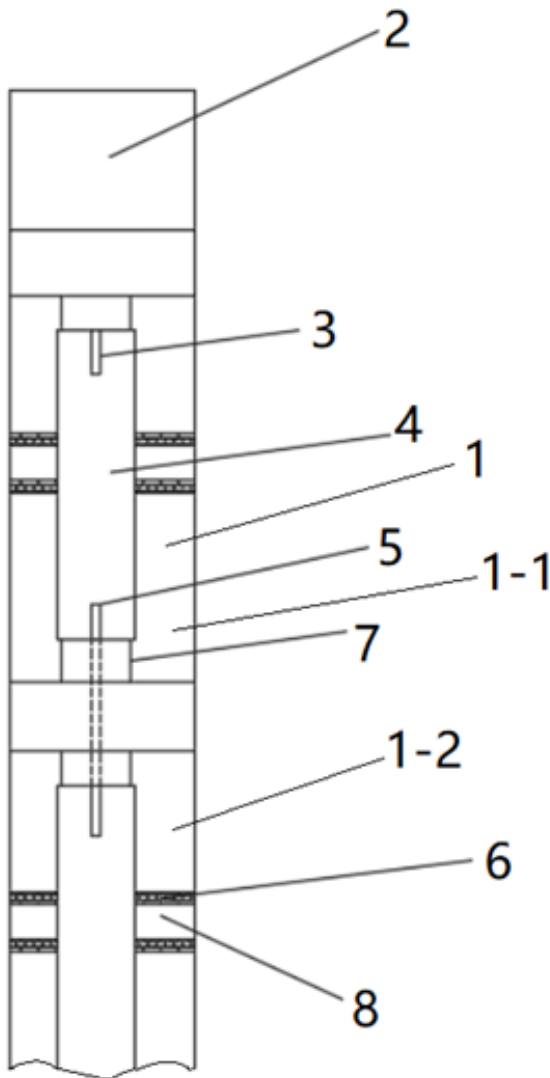
54: USE OF TRIPTERINE IN PREPARATION OF DRUG FOR INHIBITING STAPHYLOCOCCUS AUREUS

00: -
 The present invention discloses a use of tripterine in preparation of a drug for inhibiting Staphylococcus aureus. Through homology modeling and molecular docking, the present invention finds that the tripterine may resist methicillin-resistant Staphylococcus aureus through P5CDh. On the basis of this, the present invention uses a microdilution method to determine a minimum inhibitory concentration and a minimum bactericidal concentration of the tripterine for the Staphylococcus aureus. As a result, it is found that the tripterine has a definite inhibitory effect on the Staphylococcus aureus and can be applied to the preparation of a drug or a related preparation for inhibiting the Staphylococcus aureus.



21: 2023/06108. 22: 2023/06/08. 43: 2024/04/23
 51: E21C; F42D
 71: CHINA RAILWAY SEVENTH BUREAU GROUP NANJING ENGINEERING CO., LTD.
 72: CUI, Liang, ZHOU, Yingyu, YANG, Chong, LUO, Donghui, ZHANG, Chuan, WANG, Yajun, LUO, Xiaodong, HAN, Chao, LI, Yongkang, YAO, Jianrong, SONG, Zhizhao, CUI, Wenshuang, ZHANG, Wenlong, XIE, Chao, YANG, Junqi
54: NOISE-REDUCTION MULTISTAGE LIQUID OXYGEN COLLAPSE ROCK BLASTING DEVICE
 00: -

A noise-reduction multistage liquid oxygen collapse rock blasting device comprises a plurality of bodies; a liquid oxygen storage cavity is arranged inside each body; one end of the liquid oxygen storage cavity is provided with a fuse; the other end of the liquid oxygen storage cavity is provided with a delay fuse; the outer side of the middle of the liquid oxygen storage cavity is sleeved with a multilayer noise-reduction device; exhaust holes are arranged in the multilayer noise-reduction device; and the plurality of bodies are connected through a connector to form a multistage structure.



INNOVATION INSTITUTE OF LIGHTWEIGHT LTD
YANTAI BRANCH, CHINA ACADEMY OF
MACHINERY SCIENCE AND TECHNOLOGY
GROUP

72: ZHANG, Quanda, SUN, Fuzhen

33: CN 31: 202211140373.X 32: 2022-09-20

54: ALUMINUM ALLOY INDIRECT THERMAL FORMING DIE AND METHOD OF ALUMINUM ALLOY INDIRECT THERMAL FORMING

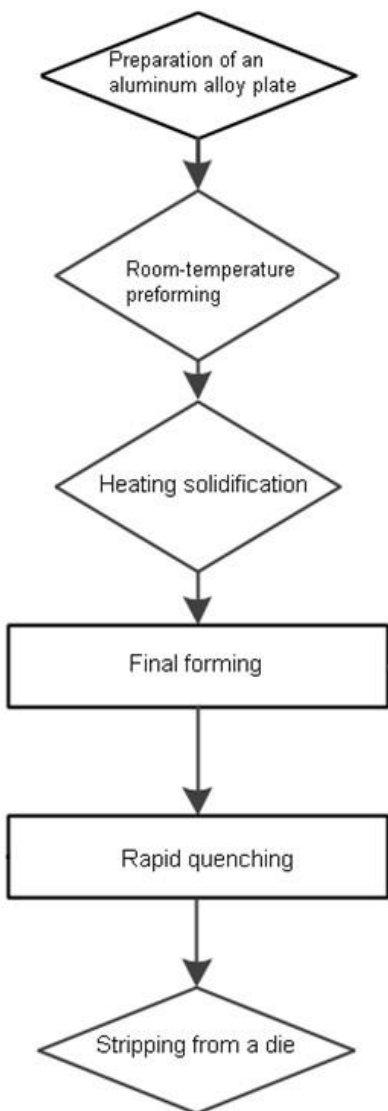
00: -

Disclosed is an aluminum alloy indirect thermal forming die, relating to a technical field of sheet plastic forming, and including an upper die and a lower die, the upper die is connected with a pressure apparatus, the pressure apparatus is configured to drive the upper die to move up and down so as to realize separation or assembly of the upper die and the lower die; and a bottom of the upper die is disposed with a first cooling mechanism, a top of the lower die is disposed with a heating mechanism, and a side of the lower die is disposed with a second cooling mechanism. The disclosure further provides a method of aluminum alloy indirect thermal forming, which is implemented by adopting the aluminum alloy indirect thermal forming die.

21: 2023/06855. 22: 2023/07/05. 43: 2024/04/11

51: B21D

71: BEIJING NATIONAL INNOVATION INSTITUTE OF LIGHTWEIGHT LTD, BEIJING NATIONAL



21: 2023/06970. 22: 2023/07/10. 43: 2024/01/29
51: G01N

71: UNIVERSITY OF CAPE TOWN
72: LEANER, Virna Drucille, VAN DER WATT, Pauline Janet

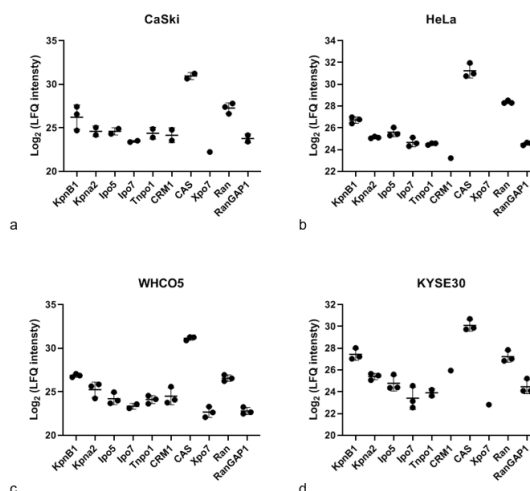
33: GB 31: 2019682.0 32: 2020-12-14

54: BIOMARKERS FOR DETECTING CANCER

00: -

The invention provides a method, device, kit and computer-implemented method for diagnosing (and optionally also treating) cancer. The method for diagnosing cancer comprises the step of testing a blood sample from a subject suspected of having cancer for the presence of Ipo5 and at least one other biomarker, the at least one other biomarker being selected from Ran and Kpnβ1. The blood

sample may also be tested for additional biomarkers such as CRM1, Kpna2, CAS and Transportin 1.



21: 2023/06990. 22: 2023/07/10. 43: 2024/04/23
51: G01N

71: BGRIMM MTC TECHNOLOGY CO., LTD.
72: SHI, Yehong, SUN, Jialiang, YANG, Fei, HAN, Pengcheng, ZHAO, Zhen, LI, Huachang, FANG, Shengnan, XU, Bicong, WANG, Xuan

33: CN 31: 202211237674.4 32: 2022-10-11

54: METHOD FOR SIMULTANEOUS AND RAPID DETERMINATION OF CHLORINE, BROMINE AND IODINE BY PYROHYDROLYSIS COMBINED WITH ICP-MS

00: -

The present invention belongs to the technical field of Cl, Br and I detection, and particularly relates to a method for simultaneous and rapid determination of chlorine, bromine and iodine by pyrohydrolysis combined with ICP-MS, comprising: (1) placing a substance to be determined in a sample container, laying asbestos on the surface of the substance to be determined and then conducting pyrohydrolysis treatment: firstly, optionally, preheating for 3-10 min at 500-600°C, heating for 3-10 min at 700-800°C, and then burning for 10-30 min at 1000-1100°C; (2) obtaining the standard curves of the corresponding concentration value and the net strength value of each element; and (3) testing the net strength of the liquid in step (1) using ICP-MS combined with an online internal standard method, and combining with the standard curves to obtain the contents of chlorine, bromine and iodine in the substance to be determined.

21: 2023/07063. 22: 2023/07/13. 43: 2024/03/07

51: A61K; A61Q

71: L'Oreal

72: BLAIS, Stéphane, SABELLE, Stéphane, BENNI, Rahma

33: FR 31: 2013723 32: 2020-12-18

54: COMPOSITION FOR LIGHTENING KERATIN FIBRES AND PROCESS FOR LIGHTENING KERATIN FIBRES USING THIS COMPOSITION

00: -

The present invention relates to a composition for lightening keratin fibres, comprising at least one chemical oxidizing agent, ammonium carbonate and at least one silicate, and also to a process for lightening keratin fibres using this composition.

21: 2023/07089. 22: 2023/07/14. 43: 2024/04/23

51: G06Q

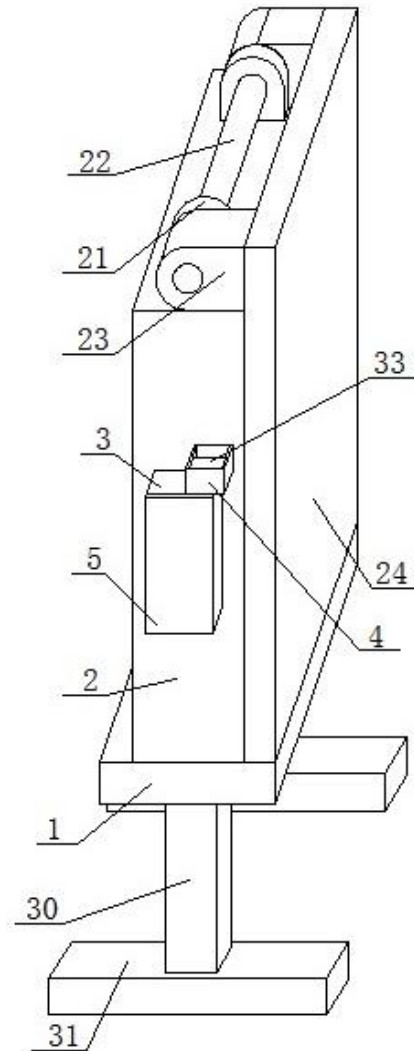
71: ZHENGZHOU UNIVERSITY OF INDUSTRIAL TECHNOLOGY

72: LI, Ying, WANG, Yuanpeng, XING, Xiaoyu, ZHANG, Hongling, LI, Tongtong, XU, Xiaoxia

54: NURSING EDUCATION PLATFORM BASED ON MEDICAL CONSORTIUM

00: -

The present invention belongs to the technical field of education platforms, particularly relates to a nursing education platform based on a medical consortium. The invention comprises a base; frame body arranged on the base; pen box and groove box arranged at one side of the frame body; box cover rotatably installed on the pen box; touch display screen fixedly installed on the frame body; two-axis motor arranged in the groove box; an output shaft of the two-axis motor is fixedly provided with two rotating rods; the pen box is provided with a clamping mechanism; the clamping mechanism comprises a first bevel gear; the first bevel gear is fixedly connected with one rotating rod of two rotating rods; the first bevel gear is engaged with a second bevel gear; the pen box is rotatably provided with a cover shaft; and cover shaft is fixedly connected with the box cover.



21: 2023/07351. 22: 2023/07/25. 43: 2024/01/30

51: B23B; B23C; B23P; B24B; B24D

71: CONAX MACHINE SOLUTIONS (PTY) LIMITED

72: JOHANNES JACOBUS NAUDE

33: ZA 31: 2022/08114 32: 2022-07-19

54: CABLE THREADING MACHINE

00: -

The invention provides a cable threading machine which is particularly suitable for producing an external screw thread onto a stranded cable. The machine comprises a rotating chuck for holding a cable that extends through the chuck; a grinding disc which is laterally displaceable relative to the cable for grinding an external screw thread with a preset thread depth into the cable; measuring means which cooperates with the grinding disc for real-time measuring the grinded thread depth; and adjusting means which cooperates with both the measuring

means and the grinding disc for real-time lateral adjustment of the grinding disc relative to the cable as the thread depth changes to ensure an external screw thread of constant thread depth along the length of the cable.

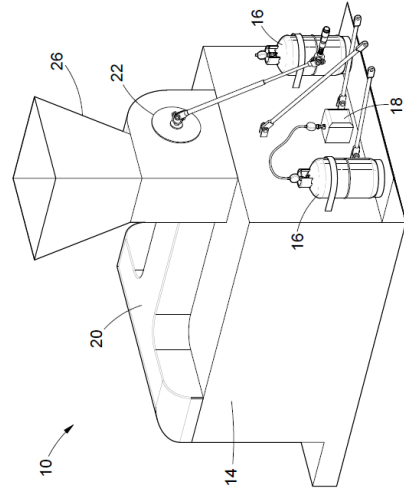
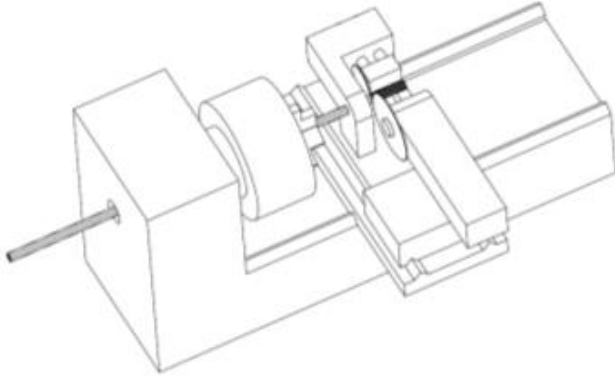


FIGURE 1

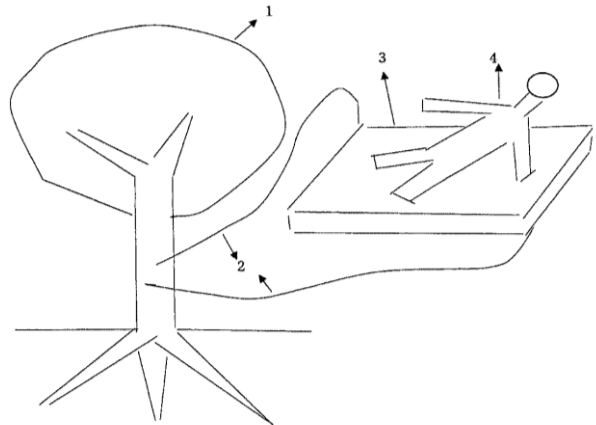
21: 2023/07514. 22: 2023/07/28. 43: 2024/05/17
 51: A62C
 71: FRITZ, MARNES
 72: FRITZ, MARNES
54: ENHANCED AIR-INDUCED FIREBREAK UNIT
 00: -

The Enhanced Air-Induced Firebreak Unit is a groundbreaking concept designed to efficiently create fire breaks by inducing airflow within a combustion chamber. Positioned behind a vehicle, the unit features gas burners for combustion, gas bottles for a continuous fuel supply, and a robust enclosed housing box to control airflow. The fan, expertly connected to the vehicle's power take-off (PTO), promotes induced airflow, ensuring rapid and complete burning of combustible materials. The secondary air channel facilitates fluid flow, and the flute provides a controlled air outlet. This unit offers advantages such as faster fire break creation, enhanced safety, environmental benefits, and versatility in various settings. Its scalable design and cost-effectiveness make it accessible to small holders and community fire protection services. The Enhanced Air-Induced Firebreak Unit is an innovative solution to combat wildfires effectively and protect valuable habitats and properties.

21: 2023/07732. 22: 2023/08/04. 43: 2024/04/18
 51: A61N
 71: ISHIGAME, Souichi
 72: ISHIGAME, Souich
 33: JP 31: 2020-179244 32: 2020-10-08
 33: JP 31: PCT/JP2020/039472 32: 2020-10-09

54: METHOD FOR KEEPING HUMAN IN ELECTRIC CONTACT WITH TREE GROWING ON GROUND FOR LONG TIME

00: -
 A device, a health method, a disease treatment and a medical treatment where a tree growing on the ground is connected with a conductive material such as a futon, a bed mattress, a floor cushion, a carpet and a bed sheet at two portions or more by a conductive wire through which electricity can flow. A human lies or sits on the conductive material to create the state same as the state where the human is directly in contact with the tree for a long time in terms of electricity and potential.



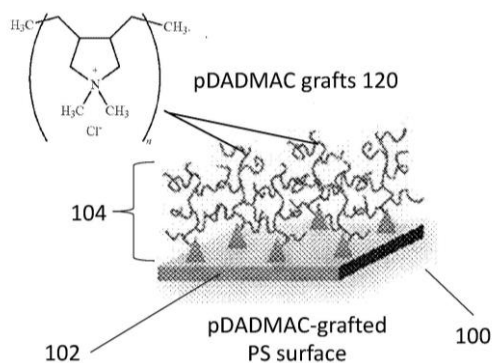
21: 2023/08089. 22: 2023/08/21. 43: 2024/03/07
 51: C07K; C12N
 71: Drizzle Health LLC
 72: SINGH, Digvijay, MATHEKGA, Bonolo,
 MANABE, Yukari, ACHARYA, Soumyadipta, MAO,
 Hai Quan

33: US 31: 63/140,465 32: 2021-01-22

**54: APPARATUS AND METHODS FOR
 SELECTIVE CAPTURE OF MYCOBACTERIA**

00: -

A device for selectively capturing mycobacteria comprises a substrate and a capture polymer layer of poly-diallyldimethyl ammonium chloride, wherein the capture polymer layer is covalently linked onto the substrate via a UV-initiated polymerization reaction of a solution comprising diallyldimethyl ammonium chloride and a photoinitiator in water purged of dissolved oxygen, and wherein the UV exposure time is 30 seconds to 4 minutes at a power density of about 20 to about 25 mW/cm². A kit can comprise the device. A microfluidic chip comprises at least a portion of at least one channel sidewall coated with a capture polymer layer of poly-diallyldimethyl ammonium chloride. A method for manufacturing the device includes plasma treating a substrate, providing a solution comprising diallyldimethyl ammonium chloride and a photoinitiator in water purged of dissolved oxygen, and coating the plasma-treated substrate via a UV-initiated polymerization reaction.



technical field of planting. The method comprises the following steps: seedling selection and planting time, soil requirements, a planting method, a field planting method, a truncation method, a treatment method for branch flower bud formation, removal of apical dominance and post-harvest management.

Compared with the prior art, the present invention has the following beneficial effects: (1) efficient high yield is realized, with a yield of 7 000 jin per mu; there is no need to replace the trees in 15 years; and (2) the ability to withstand natural disasters is improved, and the performance of wind and drought resistance is improved, so as to effectively resist late spring coldness and storms.



21: 2023/08117. 22: 2023/08/22. 43: 2024/02/22
 51: B60C; F16K; F41B

71: HENDRIK FREDERIK DU PLESSIS

72: HENDRIK FREDERIK DU PLESSIS

33: ZA 31: 2021/01261 32: 2021-02-25

**54: VALVE ASSEMBLY FOR A PRE-CHARGED
 PNEUMATIC AIRGUN**

00: -

A valve assembly for a pre-charged pneumatic airgun which includes a barrel, a plenum, and a trigger mechanism. The valve assembly comprises a valve including a valve body terminating at one end

21: 2023/08108. 22: 2023/08/22. 43: 2024/04/23
 51: A01G
 71: ZHANG, Faming
 72: ZHANG, Faming

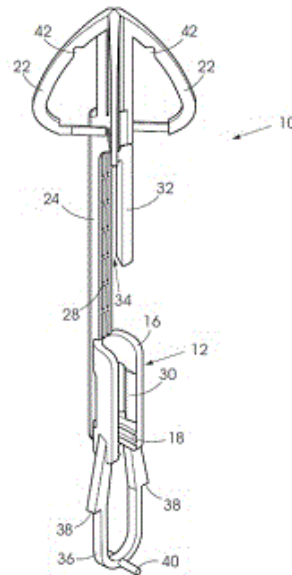
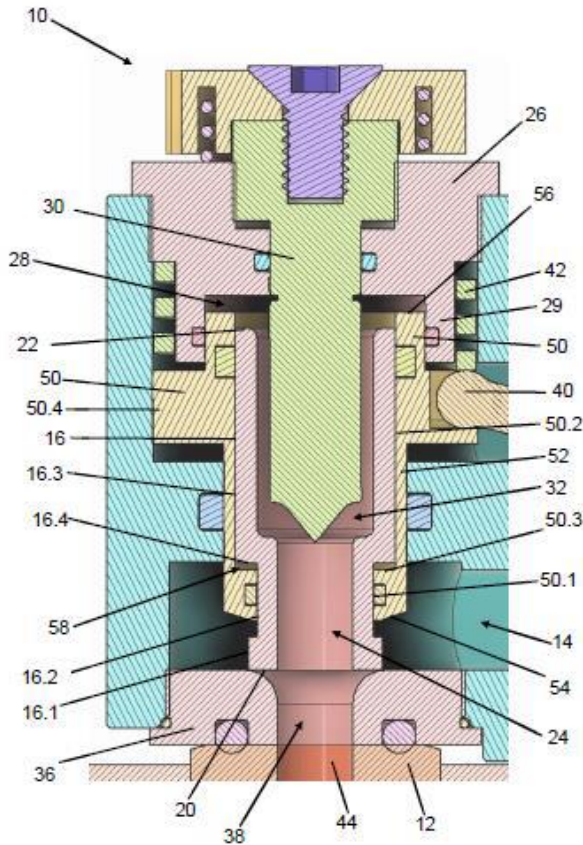
**54: PLANTING METHOD FOR UPRIGHT HIGH-
 YIELD CHERRIES**

00: -

The present invention discloses a planting method for upright high-yield cherries, and belongs to the

in a valve face and at an opposite end in a valve base; an end cap located at one end of the valve such that the valve is slidingly displaceable relative to the end cap; a pressure chamber defined between the valve base and the end cap; an air flow channel extending between the plenum and the pressure chamber for guiding pressurized air from the plenum to the valve base; and a velocity-adjustment screw located in the air flow channel for adjusting air flow from the plenum to the pressure chamber. Valve lift is fixed through displacement of the valve body, while valve dwell time is controlled by choking airflow into the pressure chamber through adjustment of the velocity-adjustment screw.

be pumped. A spacing member is connected between the detonator holding portion and the fins so that the detonator holding portion is spaced apart from the engaging fins. A withdrawal formation is connected to the detonator holding portion, the withdrawal formation including a first pipe engaging formation to engage the edge of a pipe used to push the detonator holder into a blast hole. The first pipe engaging formation includes at least two shoulders each with a flat surface to engage the edge of a pipe used to push the detonator holder into a blast hole. The withdrawal formation further includes at least one internal pipe engaging formation to hold the withdrawal formation steady when it is at least partially inserted into a pipe.

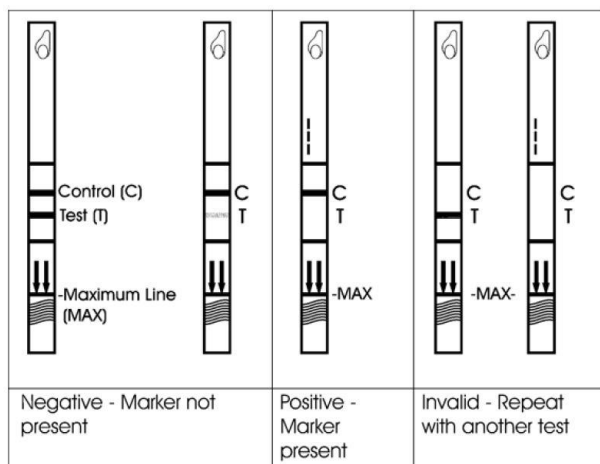


21: 2023/08140. 22: 2023/08/23. 43: 2024/03/08
 51: F42D; E21C
 71: PLASTIC INNOVATIONS (PTY) LTD
 72: LIPSCHITZ, STEPHEN CHARLES
54: A DETONATOR HOLDER
 00: -
 A detonator holder includes a detonator holding portion and flexible engaging fins for engaging with the walls of a hole drilled into which an explosive will

21: 2023/08161. 22: 2023/08/23. 43: 2024/03/13
 51: C07C; C07D; C10L
 71: MEDICAL DIAGNOSTECH (PTY) LTD
 72: UYS, Ashley Thurston, MUNGUR, Lyndon Barry
 33: GB 31: 2102614.1 32: 2021-02-24
54: MARKING OF CARBONACEOUS FLUIDS
 00: -

A method is provided for marking a petroleum fuel or other carbonaceous fluid with a marker or tracer. The method may include introducing the marker into the fluid. The marker may be a substance that is extractable from a plant (including derivatives thereof and synthetically manufactured versions of such substances and derivatives). The plant may be a Cannabis plant and the marker may comprise cannabis oil or a cannabinoid. A detection method is

further provided for detecting the presence of the marker in the fuel or other carbonaceous fluid. The detection method may comprise extracting the marker from the fluid into an aqueous layer, and analysing the aqueous layer for the presence of the marker. A marked carbonaceous product is also provided, comprising a carbonaceous fluid and a marker as described.



21: 2023/08250. 22: 2023/08/28. 43: 2024/03/01
 51: G08C; G08G
 71: Dr. Vishal Sharma
 72: Dr. Vishal Sharma

54: A SYSTEM FOR CONTROLLED BIDIRECTIONAL REMOTE STATE PREPARATION IN NOISY ENVIRONMENT

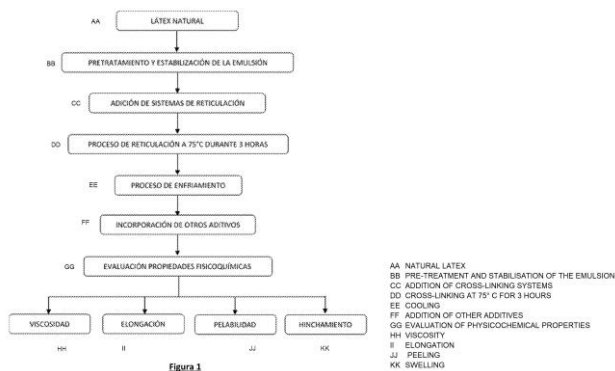
00: -
 It is shown that a realistic controlled bidirectional remote state preparation is possible using a large class of entangled quantum states having a particular structure. Existing protocols of probabilistic, deterministic and joint remote state preparation are generalized to obtain the corresponding protocols of controlled bidirectional remote state preparation (CBRSP). A general way of incorporating the effects of two well-known noise processes, the amplitude-damping and phase-damping noise, on the probabilistic CBRSP process is studied in detail by considering that noise only affects the travel qubits of the quantum channel used for the probabilistic CBRSP process. Also indicated is how to account for the effect of these noise channels on deterministic and joint remote state CBRSP protocols.

21: 2023/08253. 22: 2023/08/28. 43: 2024/03/01
 51: A23K; A23P
 71: Groen Kaap Landbou Proprietary Limited
 72: POTGIETER, Lukas Eric
 33: ZA 31: 2022/09541 32: 2022-08-26
54: NUTRITION

00: -
 A granular nutritional composition comprising a nutritional substance and carboxymethyl cellulose in granular format.

21: 2023/08276. 22: 2023/08/28. 43: 2024/03/07
 51: C09D
 71: Glasst Innovation Company S.A.S.
 72: BOTERO SIERRA, Juan Camilo, FRANCO CASTRILLÓN, Alexander
 33: CO 31: NC2021/0001029 32: 2021-01-29
54: REMOVABLE WATER-BASED COATING

00: -
 Disclosed are a removable aqueous coating, which may be coloured, and, once dry at room temperature, allows different surfaces to be protected temporarily, and production methods thereof. In particular, the present invention concerns a coating designed using only polymer materials of natural origin, which can be applied using different methods and which can be used outdoors or indoors on clear, rough and smooth substrates, except fabric materials, to provide protection and embellishment.



21: 2023/08281. 22: 2023/08/28. 43: 2024/03/01
 51: A01N; A01P
 71: Syngenta Crop Protection AG
 72: SCHNEIDER, Daniel, POPP, Christian
 33: EP(CH) 31: 21163726.9 32: 2021-03-19
54: PESTICIDAL COMPOSITIONS

00: -
 A pesticidal composition comprising: (a) 20 to 35% by weight of spiropidion as active ingredient, and (b) 5.5 to 15% by weight of a dispersing agent

combination, comprising: (i) 5 to 10% by weight of the total composition of an acrylic graft copolymer solution in water and propylene glycol; and (ii) 0.5 to 5% by weight of the total composition of a sodium alkyl naphthalene sulfonate formaldehyde condensate.

21: 2023/08282. 22: 2023/08/28. 43: 2024/03/07
51: A61K; A61P; C07D

71: Minghui Pharmaceutical (Hangzhou) Limited, Minghui Pharmaceutical (Shanghai) Limited

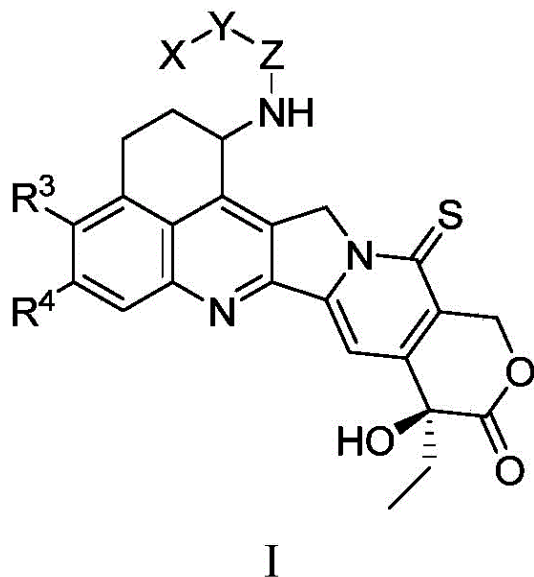
72: LI, Ao, CHEN, Yile, CAO, Guoqing

33: CN 31: 202110127049.3 32: 2021-01-29

54: TOXIN MOLECULE SUITABLE FOR ANTIBODY-DRUG CONJUGATE

00: -

The present invention provides a toxin molecule suitable for an antibody-drug conjugate. In particular, the present invention provides a compound represented by formula (I) below or a pharmaceutically acceptable salt or hydrate thereof. The compound of the present invention can be used in the preparation of a pharmaceutical composition for treating diseases associated with tumor cell proliferation.



21: 2023/08284. 22: 2023/08/28. 43: 2024/03/07
51: F03D; F03K; F03P; H02K; H02P

71: Tau Motors, Inc.

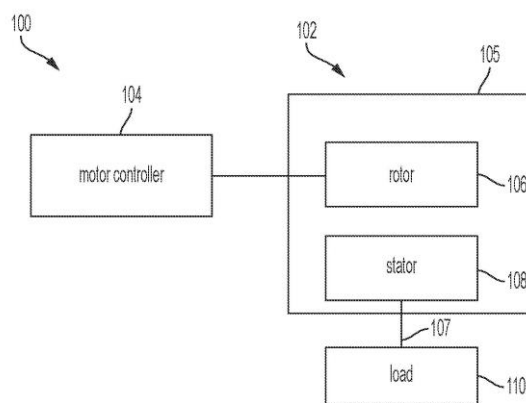
72: PENNINGTON III, Walter Wesley, SWINT, Ethan Bagget, STEVENSON, Gregory Gordon, OWEN, Michael Parker, DA COSTA, Anthony, RUBIN, Matthew J., PREINDL, Matthias

33: US 31: 63/157,560 32: 2021-03-05

54: WIRELESSLY TRANSFERRING POWER WITHIN AN ELECTRIC MACHINE WITH ACTIVELY RECTIFIED ROTOR WINDINGS

00: -

A stator defines multiple stator poles with associated stator windings. A rotor defines multiple rotor poles with associated rotor windings configured to be energized substantially by the stator. The rotor defines a rotor field energizable by magnetic fields produced by the stator windings to produce relative force between the rotor and the stator. An active rectifier is conductively coupled to one or more first rotor windings. The active rectifier is configured to control a direction of current flow through the one or more first rotor windings responsive to a signal received wirelessly from the stator by one or more second rotor windings.



21: 2023/08311. 22: 2023/08/29. 43: 2024/03/06
51: E01D

71: CHINA RAILWAY NO.3 ENGINEERING GROUP EAST CHINA CONSTRUCTION CO., LTD., CHINA RAILWAY NO.3 ENGINEERING GROUP CO., LTD.

72: JIAN, DONGXING, LI, YONGJING, WANG, ZHENLEI, GUAN, SHENGJIE, CEN, XIAOWEI, ZHANG, ERSHUAI, LI, YONGZHENG

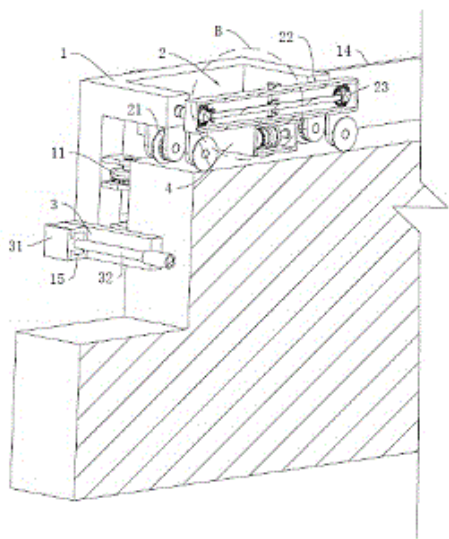
33: CN 31: 202310195560.6 32: 2023-03-02

54: MOVABLE SAFETY-BELT FIXING DEVICE

00: -

The present application relates to a movable safety binding, belonging to the technical field of a bridge edge construction, and includes two fixed frames, which is rotationally connected to a first roller. One end of the fixed frame is provided with a location-limited plate, and a first telescopic rod is connected between the two location-limited plates. A telescopic

assembly is provided between the two fixed frames, which can make the two fixed frames to close to or away from each other. The telescopic assembly is provided with a second roller, and the fixed frame is connected with a traction rope. The present application has effects of avoiding a situation of mounting the temporary support and reducing a damage of a bridge deck.



21: 2023/08312. 22: 2023/08/29. 43: 2024/03/06
51: G06F
71: XUANCHENG VOCATIONAL & TECHNICAL COLLEGE
72: CAI, GUANQUN, ZHANG, BENSONG, WANG, LI, PEI, YUNXIA, WANG, QINGHUA, YU, ZHONGHAI, WU, DI

54: METHOD FOR CONSTRUCTING AND REGULATING PERFORMANCE OF TWO-DIMENSIONAL SEMICONDUCTOR HETEROJUNCTION IN PHOTOCATALYTIC WATER SPLITTING FOR HYDROGEN PRODUCTION

00: -
The present invention discloses a method for constructing and regulating performance of a two-dimensional semiconductor heterojunction in photocatalytic water splitting for hydrogen production, and belongs to the technical field of catalysis of photocatalytic water splitting for hydrogen production. The present invention constructs all feasible vertical stacking models by taking different semiconductors as substrates; analyzes electronic properties and energy band structures of different semiconductor heterojunctions

based on a first principle calculation method; selects a semiconductor heterojunction configuration with low binding energy for stability analysis according to a calculation result, and screens to obtain a type-II heterojunction that can be used as a photocatalyst; calculates electrical and optical characteristics of a semiconductor heterojunction that can be used for photocatalytic water splitting under different pH values to obtain an optimal heterojunction photocatalyst; and calculates and analyzes the influence of an applied external stress and an introduced structural defect on the photocatalytic related performance of the heterojunction, thereby obtaining a method for optimizing and regulating performance of the heterojunction. The present invention may be used to guide the construction of the two-dimensional semiconductor heterojunction in photocatalytic water splitting for hydrogen production and the optimization and regulation of performance of the constructed heterojunction.

21: 2023/08321. 22: 2023/08/29. 43: 2024/03/01
51: A24F

71: Starker International Pte. Ltd.

72: KIEW, Yong Seang

33: EP(DE) 31: 21165276.3 32: 2021-03-26

54: HEATING DEVICE, HEATING ELEMENT AND AEROSOL GENERATING PRODUCT

00: -

The disclosure relates to a heating device suitable for heating an aerosol generating substrate without combusting the aerosol generating substrate, the heating device comprises a mouthpiece adapted for a user to consume aerosol generated by the aerosol generating substrate; a substrate holder for receiving an aerosol generating substrate; a heating element shaped and dimensioned to heat the aerosol generating substrate to produce aerosol; an aerosol delivery channel positioned to receive aerosol generated from heating the aerosol generating substrate and to direct the aerosol towards the mouthpiece; and a filter holder for receiving at least one consumable filter, the filter holder positioned proximate the mouthpiece in a manner such as to filter particulates from the generated aerosol before consumption.

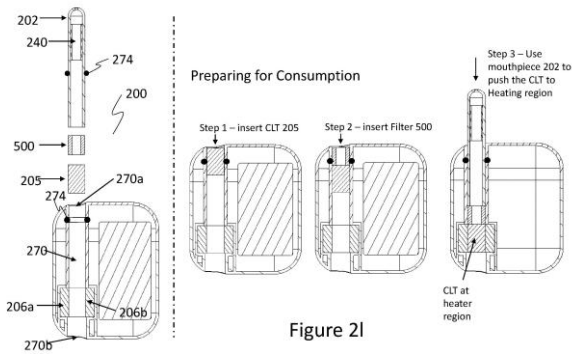
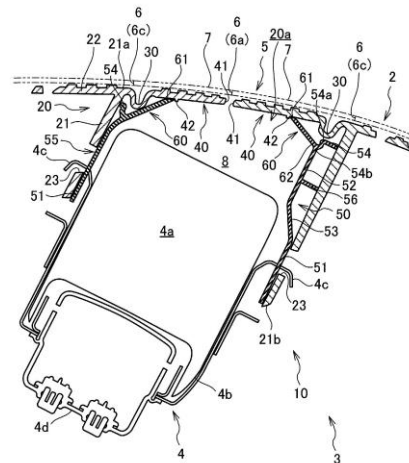


Figure 21



21: 2023/08322. 22: 2023/08/29. 43: 2024/03/01
51: B60R

71: Marelli Corporation

72: KOBAYASHI, Yousuke

33: JP 31: 2021-132385 32: 2021-08-16

54: AIRBAG ATTACHMENT STRUCTURE

00: -

An airbag attachment structure (10) comprises: a door part (40) that opens at one end part (41) when an airbag (4a) is deployed; an attachment part (20) that is for attaching an airbag case (4b) for the airbag (4a) and has an opening part (20a) that is opened by the opening of the door part (40) when the airbag (4a) is deployed; a hinge part (30) that rotatably holds the door part (40); a guide part (50) that protrudes from the attachment part (20) so as to sandwich a deployment passage (8) between the airbag (4a) and the door part (40) and guides the deployment of the airbag (4a); and a flap (60) that is connected to the guide part (50) so as to be interposed between the airbag (4a) and the hinge part (30) and, when the airbag (4a) is deployed, is urged by the airbag (4a) and rotates with the door part (40). The guide part (50) is more rigid than the flap (60).

21: 2023/08325. 22: 2023/08/29. 43: 2024/03/01
51: C12N; C40B

71: Illumina, Inc., Illumina Cambridge Limited

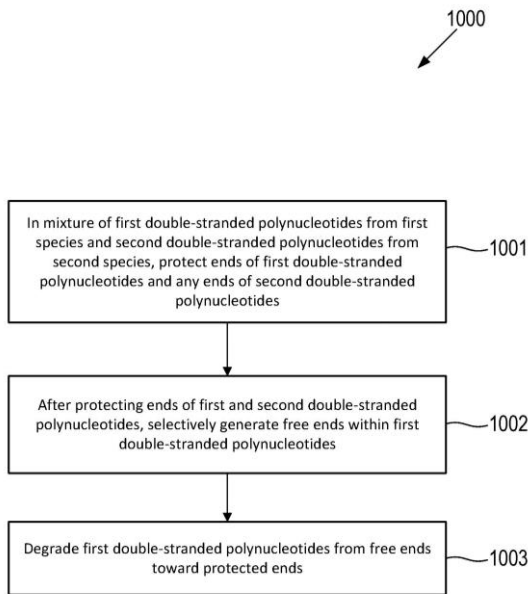
72: KENNEDY, Andrew, SHULTZABERGER, Sarah, BELL, Emma, MILLER, Oliver, SCHNEIDER, Kim, MUSGRAVE-BROWN, Esther, GORMLEY, Niall, SLATTER, Andrew, CHEN, Feng

33: US 31: 63/158,492 32: 2021-03-09

54: GENOMIC LIBRARY PREPARATION AND TARGETED EPIGENETIC ASSAYS USING CAS-GRNA RIBONUCLEOPROTEINS

00: -

Genomic library preparation using Cas-gRNA RNPs, and targeted epigenetic assays, are provided herein. Some compositions include, from a first species, substantially only single- stranded polynucleotides; from a second species, substantially only double-stranded polynucleotides; and amplification primers ligated to ends of the second double-stranded polynucleotides and substantially not ligated to any ends of the first double-stranded polynucleotides. Some compositions include first and second molecules of a target polynucleotide having a sequence, the first molecule having a first end at a first subsequence, the second molecule having a first end at a second subsequence, wherein the first subsequence only partially overlaps with the second subsequence. Some examples provide a composition that includes a target polynucleotide and a first fusion protein including a Cas- gRNA RNP coupled to a transposase having an amplification adapter coupled thereto. The Cas-gRNA RNP may be hybridized to a subsequence in the target polynucleotide.

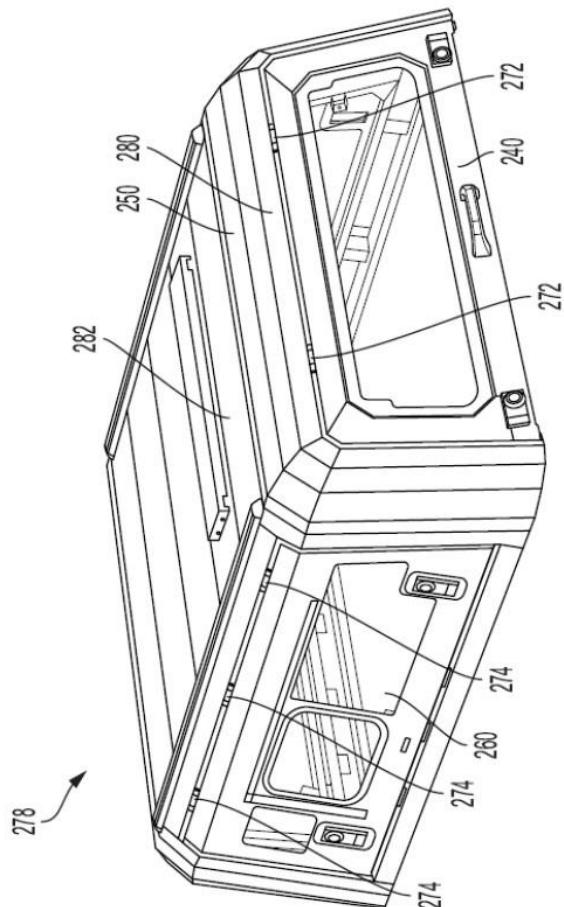


21: 2023/08327. 22: 2023/08/29. 43: 2024/03/07
 51: A61K
 71: Latigo Biotherapeutics, Inc., Lieber institute, Inc.
 72: JONES, Robert M., BAJJI, Ashok, MONCK, Nathaniel Julius Thomas, O'CONNOR, Suzanne J., RATHMELL, Richard Edmund, GARDINER, William H., TOWNSEND, Robert James, PITA, Andreina Pacheco, BRUNAVS, Michael, SHAIKH, Abdul Kadar, SHINE, Jonathan Paul, WIGGINTON, Ian James, RICHARDS, Jonathan Philip, MASTANDREA, Marco Michele, DAVENPORT, Adam James, MOYER, Bryan, POSLUSNEY, Michael, BARROW, James
 33: US 31: 63/159,718 32: 2021-03-11
 33: US 31: 63/159,720 32: 2021-03-11
54: METHYL-SUBSTITUTED PYRIDINE AND PYRIDAZINE COMPOUNDS, DERIVATIVES THEREOF, AND METHODS OF THEIR USE
 00: -

The invention provides methyl-substituted pyridine and pyridazine compounds, derivatives thereof, and methods of their use. The compounds are useful as pharmacological agents to treat a variety of conditions, including various pain states, itch, and cough.

21: 2023/08358. 22: 2023/08/30. 43: 2024/03/11
 51: E05D
 71: RSI NORTH AMERICA, INC.
 72: VOSS, Michael
 33: US 31: 63/402,788 32: 2022-08-31
54: HINGE
 00: -

A hinge includes a stainless steel pin rotatably connecting a glass filled nylon base section and a glass filled nylon rotating section by extending through a first lateral aperture of the glass filled nylon base section, a second lateral aperture of the glass filled nylon rotating section, and a third lateral aperture of the glass filled nylon base section. The glass filled nylon base section includes a right portion and a left portion fixed by a cross bar.

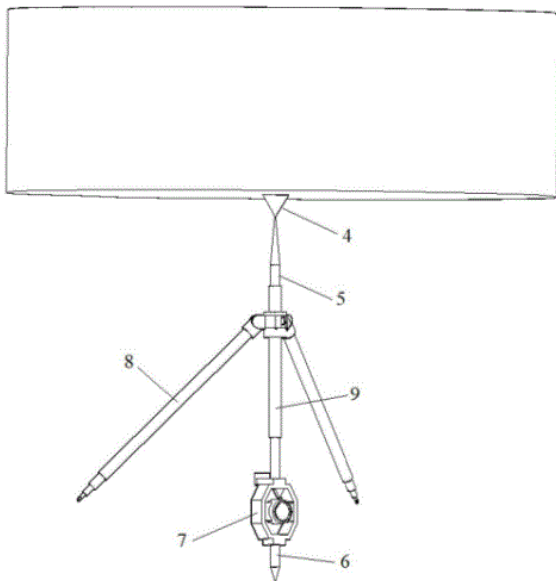


21: 2023/08408. 22: 2023/08/31. 43: 2024/04/17
 51: E02D
 71: CCCC FIRST HIGHWAY ENGINEERING GROUP CO., LTD, THIRD ENGINEERING CO.,LTD OF CCCC FIRST HIGHWAY ENGINEERING GROUP, Shandong Provincial Transportation Planning and Design Institute Group Co., Ltd.
 72: Yibo YANG, Yongbing GUO, Zhenxi AI, Wei RONG, Lei ZHANG, Zhiqiang FU, Deqiang LI, Zhenguo LIU, Jihao SHI, Guyue HU, Yufeng WEI, Hongwei ZHANG, Yan CHAI, Xuchang LUO, Boyang ZHANG, Dehuan SUN, Jingchen CHENG, Hailong SUO

54: CENTERING POSITIONING DEVICE FOR PILE FOUNDATION CONSTRUCTION

00: -

The invention discloses a centering positioning device for pile foundation construction, which belongs to the field of pile foundation construction technology, including upper centering rod, lower centering rod and prism centering device. The upper centering rod and the lower centering rod both include a fixed end and a centering end. The upper centering rod and the lower centering rod are located on both sides of the prism centering device, and the fixed end of the upper centering rod and the fixed end of the lower centering rod are respectively connected to the circumferential side wall of the prism centering device. The middle end of the upper centering rod and the middle end of the lower centering rod are both tips, and the middle end of the upper centering rod and the middle end of the lower centering rod are located on the same straight line. The centering positioning device for pile foundation construction can effectively ensure the centering accuracy and the safety of construction personnel.



21: 2023/08410. 22: 2023/08/31. 43: 2024/03/05

51: E02D; B28B

71: CHINA RAILWAY FIRST GROUP
(GUANGZHOU) CONSTRUCTION ENGINEERING
CO., LTD., CHINA RAILWAY FIRST GROUP CO.,
LTD., GUANGZHOU UNIVERSITY

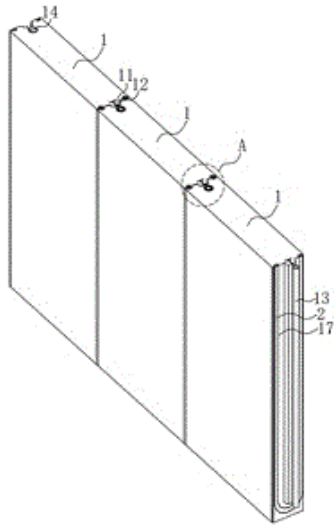
72: YANG, WENXUAN, JIANG, JINBO, HAN,
SHENG, TANG, YONGJIU, OU, QIONG, XU,
CHENGSHUANG, QIN, JINGGUI, HE, SHUBO,
ZHANG, PENGCHENG, JIANG, CHENG, LUO,
WEILI

33: CN 31: 202310733286.3 32: 2023-06-19

54: PREFABRICATED DIAPHRAGM WALL, PREPARATION DEVICE AND DIAPHRAGM WALL CONSTRUCTION METHOD

00: -

A permanent-temporary combined prefabricated diaphragm wall, a preparation device and a diaphragm wall construction method are disclosed. The permanent-temporary combined prefabricated diaphragm wall comprises a plurality of prefabricated walls extending vertically, one side of each of the plurality of prefabricated walls is pre-buried with a C-shaped component and the other side thereof is pre-buried with a T-shaped component, the T-shaped component of one prefabricated wall is inserted into the C-shaped component of a corresponding adjacent one, and each of opposite faces of adjacent prefabricated walls is provided with a sealing member. The preparation device comprises a bottom template, two side templates and two end templates, the two side templates and the two end templates are arranged around a periphery of the bottom template to form a pouring cavity, the two side templates are detachably connected with the bottom template and are detachably connected with the two end templates, a side of one side template facing the pouring cavity is provided with a first positioning assembly for positioning the C-shaped component, and a side of another side template facing the pouring cavity is provided with a second positioning assembly for positioning the T-shaped component.



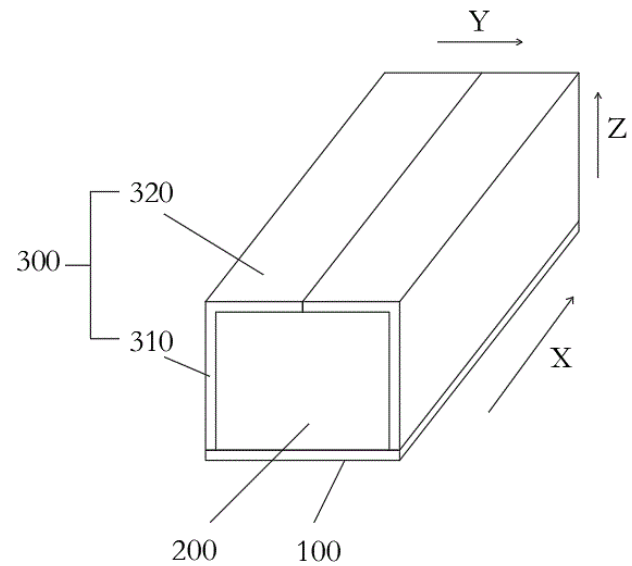
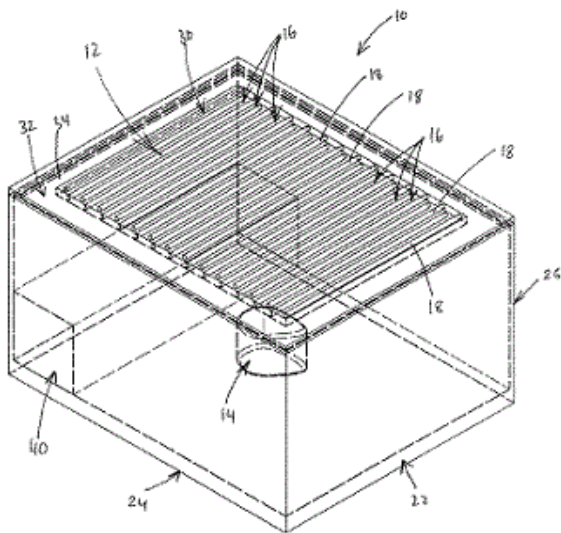
21: 2023/08520. 22: 2023/09/05. 43: 2024/04/17
 51: B61D
 71: YUNNAN COMMUNICATIONS INVESTMENT & CONSTRUCTION GROUP CO., LTD.
 72: LI Linqing, CHONG Pengyun, YIN Hui, GONG Danqing, LI Xiaolin, LIU Weida, ZHANG Yan, HE Yiyong, CEN Yu, ZHANG Hui, LI Ming, ZENG Jianzhong, WANG Zhenxing, DAI Hongbin, XU Zilong, LIU Xuefei, QU Sen, WU Fan, GUO Shengjie, CHEN Bianning, SA Yu, YANG Yang, LEI Yun, GAO Zheng

54: CARRIAGE FOR RAILWAY FREIGHT TRANSPORTATION

00: -
 The embodiment of this manual discloses a carriage for railway freight transportation, which includes a bottom plate, two end baffles, and two side plates; the two end baffles are arranged on the bottom plate, and the two end baffles are located on both sides of the length direction of the bottom plate; the two side plates are L-shaped, and the two side plates are located on both sides of the width direction of the bottom plate; the length direction is perpendicular to the width direction; the two side plates are rotatably arranged on the bottom plate, and the two side plates include an opening first state and a closing second state; when the two side plates are in the second state, the bottom plate, the two ends, and the two side plates surround to form an accommodating space.

21: 2023/08466. 22: 2023/09/01. 43: 2024/03/12
 51: A01M
 71: DU PLESSIS, Christoffel, Johannes
 72: DU PLESSIS, Christoffel, Johannes
 33: ZA 31: 2021/01415 32: 2021-03-02
54: AN ELECTRIC SHOCK DEVICE
 00: -

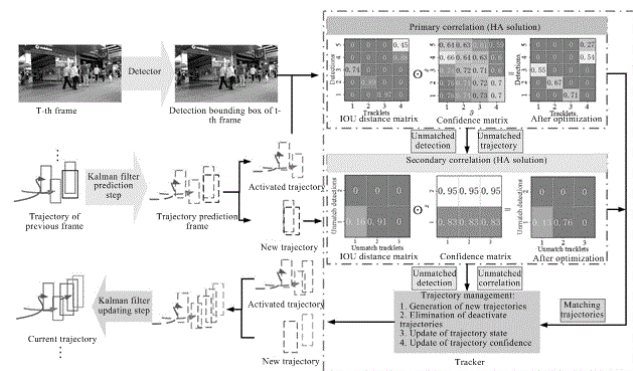
An electric shock device (10) including an electrically conductive impeding arrangement (12) for impeding an insect's access to bait (14) and an energising means in the form of a battery (not shown) arranged in electrical communication with and for electrically energising the impeding arrangement (12) for allowing an electric shock to be administered to the insect (not shown) while attempting to pass therethrough.



21: 2023/08553. 22: 2023/09/06. 43: 2024/03/12
 51: G06K
 71: Anhui Polytechnic University

72: Yi LI, Youyu LIU, Hongwei LI, Da SHU, Qijie WANG
 33: CN 31: 2023109661352 32: 2023-08-02
54: ONLINE MULTI-OBJECT TRACKING METHOD BASED ON CONFIDENCE OPTIMIZATION

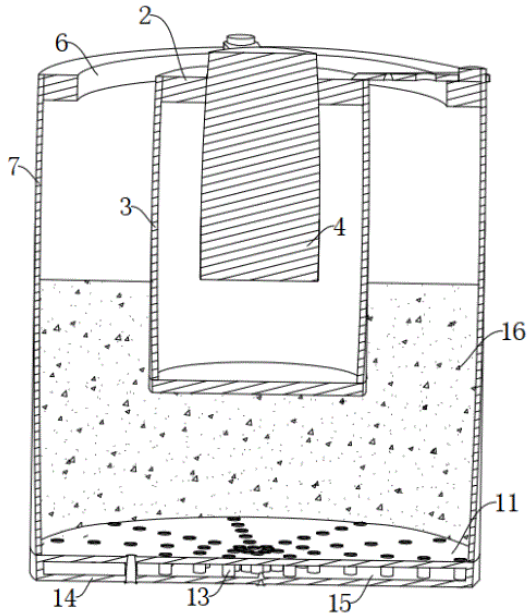
00: -
 Disclosed is an online multi-object tracking method based on confidence optimization. The online multi-object tracking method based on confidence optimization takes detection confidence and a matching cost corresponding to a trajectory as parameters, iteratively updates trajectory confidence frame by frame on the basis of an exponential moving average, constructs a confidence weight matrix by combining the trajectory and the trajectory confidence, and performs weighted optimization on a similarity matrix. Different from a previous trajectory confidence model, the present invention combines common intermediate quantities (the detection confidence and the matching cost) in MOT task, and uses an EMA model to perform update iteratively, such that calculation complexity is low, and the parameters do not need to be solved additionally, which is conducive to online tasks; and different from common practice based on TBD tracker in the past, the present invention does not set any confidence threshold for objects participating in the association, allows all detectors' outputs and activated trajectories to participate in the association during the first-stage association, which is conducive to recover an interrupted trajectory from ultra-low-score detection, and reduces hyperparameter space complexity, which is convenient to actual deployment.



72: Zhenlong Wang, Yong Liu, Zhijiang Fu, Nianwu Wang, Xiaomin Zhang, Chenyi Huang, Jingwen Chen, Zongchao Liu
 33: CN 31: 202310034395.6 32: 2023-01-10
54: TRADITIONAL CHINESE MEDICINE EXTERNAL APPLICATION BAG FOR TREATING BONE DISORDER, ACTIVATING BLOOD CIRCULATION AND RELIEVING PAIN AND A PREPARATION METHOD THEREOF

00: -
 The invention, belonging to the technical field of traditional Chinese medicine external application bags, discloses a traditional Chinese medicine external application bag for treating heumatism, activating blood circulation and relieving pain and a preparation method thereof, comprising a traditional Chinese medicine external application bag body, a temperature release connecting plate, a hot water storage chamber, a constant temperature column, a water injection hole, a medicine bin connecting plate, a medicine bin outer layer capsular bag, connecting buckle components, a bottom slow release grid heat penetration layer, micro-penetration holes, penetration connecting columns, a bottom wrapping type permeable membrane, a liquid injection cavity and effective traditional Chinese medicine composition. The invention realized that the application part of the traditional Chinese medicine external application bag can be self-adaptively adjusted in shape and fit degree with the skin surface without changing application effect, so that the application effect is improved, meanwhile, the traditional Chinese medicine external application bag combines heat assisting effect of the traditional Chinese medicine external application bag to improve the absorption characteristic of skin through thermal volatilization promoting absorption activity, thereby enhancing the application performance of the traditional Chinese medicine external application bag. The traditional Chinese medicine external application bag provided by the invention is simple to prepare, easy to absorb, and has desirable effects for treating heumatism, activating blood circulation and relieving pain, having good market application prospect.

21: 2023/08554. 22: 2023/09/06. 43: 2024/04/17
 51: A61F; A61M
 71: The Affiliated Traditional Chinese Medicine Hospital of Southwest Medical University



21: 2023/08588. 22: 2023/09/07. 43: 2024/03/13

51: B62D

71: WILLIAM TURNER PAYNE

72: PAYNE, William Turner

54: MODULAR SUBSTRUCTURE AND LOAD DECK FOR A VEHICLE

00: -

The invention provides a modular weldless base platform for a vehicle. The modular weldless base platform comprises a modular substructure and a modular load deck mountable on the modular substructure. The modular substructure and the modular load deck each comprise one or more components, each of which are cut and bent from sheet material. The components of the modular substructure and modular load deck are assembled and secured to one another by securing means, receivable through strategically aligned apertures located in each component.

21: 2023/08555. 22: 2023/09/06. 43: 2024/03/12

51: C23C

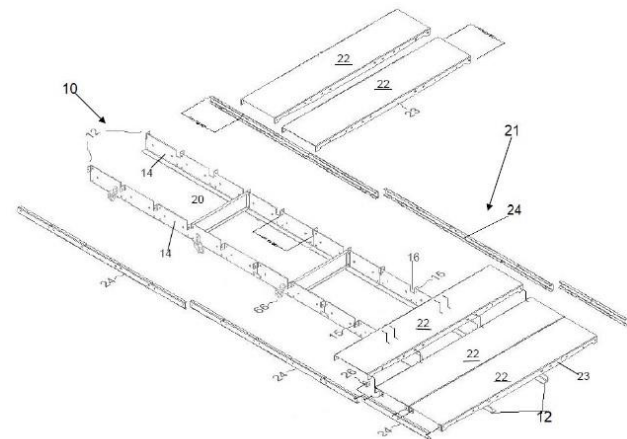
71: GUIZHOU HUIFENG ZHONGYI MACHINERY MANUFACTURING CO., LTD

72: LEI, MIN, LIANG, YILONG, LIU, YONG

54: METHOD FOR PRODUCING ROCK-DRILLING TOOL WITH HIGH QUALITY AND LOW-COST

00: -

The present invention relates to rock-drilling tool technologies, in particular to a method for producing a rock-drilling tool with high-quality and low-cost. The method including: pre-separately machining threaded ends of the rock-drilling tool and pre-carburizing the threaded ends; the pre-separately machining threaded ends of the rock-drilling tool and pre-carburizing the threaded ends further comprising: mixing materials according to a proportion, smelting mixed materials into an ingot blank, manufacturing the ingot blank into hollow steel in a forging process, and heating the hollow steel in an annealing process; processing steel containing Cr-Ni-Mo alloys into the threaded ends of the rock-drilling tool, and the thread ends being in a carburizing process; frictionally welding carburized threaded ends at two ends of rod body of the hollow steel; and heating the threaded ends, then the threaded ends being in an air-cooling process at a pre-set cooling rate, and then tempering the threaded ends.



21: 2023/08639. 22: 2023/09/08. 43: 2024/03/15

51: A01N; A01P

71: YARA UK LIMITED

72: WARD, Stuart, BROWN, Jonathan, QUIGNON, Caroline

33: GB 31: 2105328.5 32: 2021-04-14

54: SEED COATING COMPOSITION COMPRISING AN ORGANIC ACID

00: -

The present invention is related to coating compositions, in particular for seeds of leguminous crops. The present disclosure provides a liquid composition for seed coating comprising from 10 to 250 g/l of molybdenum, 0.001 to 1.0 weight% of a vitamin B12, and 0.1 to 10 weight% of a compound selected from the group consisting of succinic acid, malic acid, maleic acid, tartaric acid, fumaric acid,

any salts thereof, and any mixtures thereof. The present disclosure also provides a method for preparing seeds of leguminous crops, and the use of a liquid composition for the coating of seeds of leguminous crops or for soil application.

21: 2023/08696. 22: 2023/09/12. 43: 2024/04/17
51: A61K

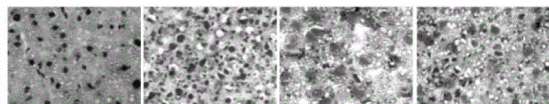
71: FULGENT LIFE INC. (US), Guangdong Haihe Biomedical Technology Co., Ltd (China)

72: WU, Yong, ZHOU, Fei, TANG, Shengzhen, WU, Ke, TIAN, Shiliu, YI, Long

54: APPLICATION OF NAD⁺ SUPPLEMENT IN PREPARATION OF DRUG FOR TREATING, PREVENTING, OR ALLEVIATING ACUTE ALCOHOLIC LIVER INJURY

00: -

Disclosed is the application of an NAD⁺ supplement in the preparation of a drug for treating, preventing, or alleviating acute alcoholic liver injury, which relates to the technical field of medicine. The present invention has experimentally demonstrated that the NAD⁺ supplement (i.e., nicotinamide adenine dinucleotide) is administered to increase the concentration of NAD⁺ in the blood, thereby treating, preventing, or improving the acute alcoholic liver injury, recovering the liver from liver function damage caused by harmful factors such as alcohol, eliminating hangover, and treating, preventing, and alleviating hangover symptoms.



Normal group Control group NRH treatment group NADH treatment group

21: 2023/08705. 22: 2023/09/12. 43: 2024/03/18
51: G21C

71: CHINA NUCLEAR POWER ENGINEERING CO., LTD.

72: XING, JI, YU, PEI, WANG, JIAMING, LIU, YAGUANG, HOU, TING, DING, LIANG, ZHAO, BIN, LI, LIJUAN, MA, HUIYUN, WANG, GUANGFEI, PAN, JIAQI, ZHANG, MENGJI

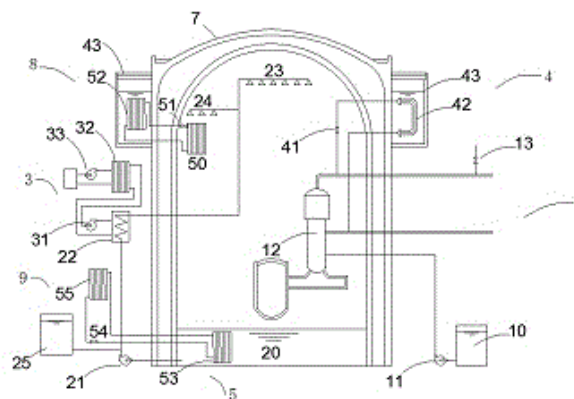
33: CN 31: 202110295497.4 32: 2021-03-19

54: ACTIVE AND PASSIVE COOPERATIVE COOLING METHOD FOR NUCLEAR POWER PLANT, AND ULTIMATE HEAT SINK SYSTEM

00: -

Disclosed are a method and an ultimate heat sink system for active and passive collaborative cooling

of a nuclear power station. The method includes: conducting, upon a design-basis accident and when a pressure boundary of a primary loop is intact, heat energy in a containment out to a heat sink through an active secondary loop feed and bleed system, and automatically starting, upon a beyond design-basis accident of station black-out and when the pressure boundary of the primary loop is intact, a passive secondary loop natural circulatory system, so that heat transferred from the containment to the active secondary loop feed and bleed system is conducted into the heat sink. Additionally providing the passive secondary loop natural circulatory system, which can be automatically started upon a beyond design-basis accident of station black-out and when the pressure boundary of the primary loop is intact, so that heat transferred from the containment to the active secondary loop feed and bleed system can be conducted into the heat sink, thereby realizing active and passive cooperative cooling, accelerating the process of heat in the containment being conducted out upon an accident, and improving safety of the nuclear power plant.



21: 2023/08715. 22: 2023/09/12. 43: 2024/04/17
51: G01N

71: AVANT WOOD OY

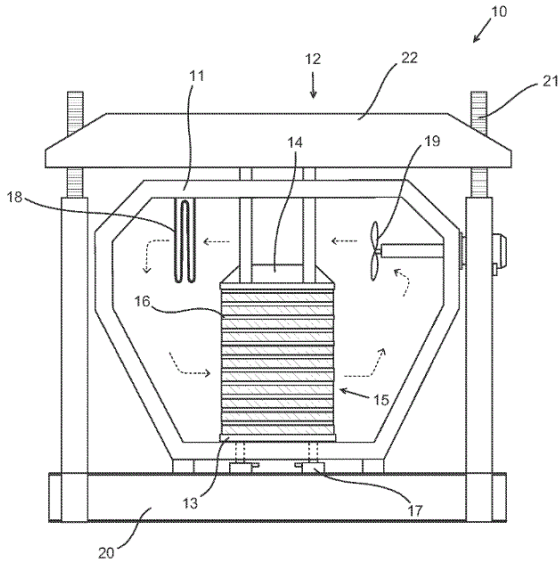
72: RITVANEN, Pekka, LEHTINEN, Jyrki, PASANEN, Timo, SAYNEVIRTA, Kari, TERVO, Kari

54: METHOD AND APPARATUS FOR DETERMINING PROPERTIES OF HYGROSCOPIC MATERIAL IN REAL-TIME DURING MODIFICATION

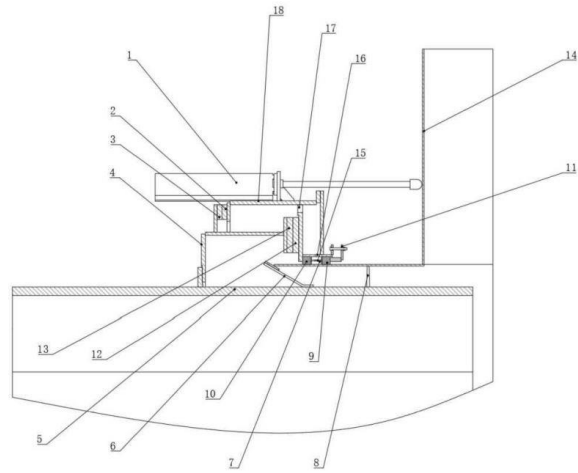
00: -

The invention relates to a method for determining properties of hygroscopic material in real-time during modification wherein, in the method, pieces of

hygroscopic material to be modified are stacked and a batch of the hygroscopic material (15) being thereby formed is placed in a modification chamber (11) of a modification apparatus (10) wherein the pieces of the hygroscopic material to be modified are modified. In the method according to the invention at least weight, volume, amount of water in the batch of the hygroscopic material as well as average moisture content of the batch of the hygroscopic material (15) are determined before modification and/or at least once during and/or after modification of the batch of the hygroscopic material (15). The invention relates also to an apparatus for determining properties of hygroscopic material in real-time during modification of the batch of the hygroscopic material (15).



of the fixed cover; the rotary cover is fixed on the rotary cylinder and has two dynamic friction rings; the static friction ring cover is arranged outside of the rotary cover, and two static friction rings are respectively arranged on left and right sides of the static friction ring cover; the tensioner is installed outside of the static friction ring cover; two packing seals are arranged at outer side of the sleeve, and a spacer ring is arranged between the packing seals, and the pressure is adjusted by a packing seal pressure adjuster.



21: 2023/08785. 22: 2023/09/15. 43: 2024/03/18
 51: F27B
 71: CBMI CONSTRUCTION CO., LTD.
 72: SUN, Xuecheng, ZHANG, Chao, WANG, Qiang, CAO, Xinming, WANG, Bin, DENG, Yuhua, ZHANG, Haiping, TAO, Ying, ZHENG, Xianming, YI, Dengwei
 33: CN 31: 2023101008438 32: 2023-02-12

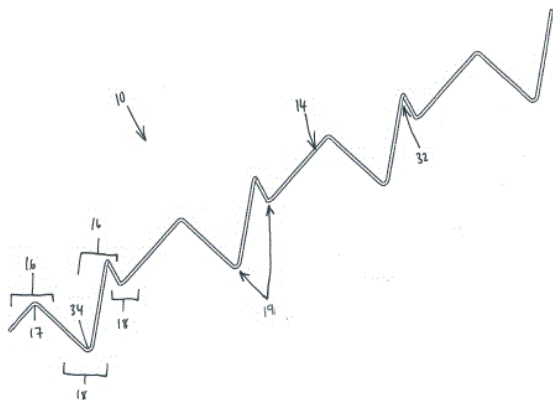
54: SEALING DEVICE FOR OXY-FUEL CALCINATION ROTARY KILN

00: -
 The invention relates to a sealing device for an oxy-fuel calcination rotary kiln. The sealing device is arranged on outer side of a rotary cylinder and includes a tensioner, a rotary cover, a fixed cover and a static friction ring cover; a brush and a sealing flap steel sheet are respectively arranged at a sleeve

21: 2023/08812. 22: 2023/09/18. 43: 2024/03/18
 51: E04C
 71: SPECIALISED PRECAST ELEMENTS CC
 72: VAN ROOYEN, Paul, Möller
 33: ZA 31: 2022/12728 32: 2022-11-23

54: A CONNECTING MEMBER FOR A LATTICE GIRDER

00: -
 A connecting member for a lattice girder which includes an elongate member bent into a wave-like shape having a plurality of crest portions and trough portions, the trough portions extending from the crest portions in alternating, side-to-side fashion such that consecutive trough portions extend from the crest portions in different planes which are angled relative to each other.



21: 2023/08814. 22: 2023/09/18. 43: 2024/04/30
51: A47J

71: JOHANNES DU PLESSIS

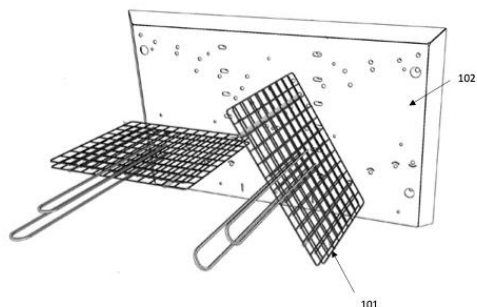
72: JOHANNES DU PLESSIS

33: ZA 31: 2023/00937 32: 2023-01-23

54: MULTIPLE POSITION ROASTING GRILL

00: -

The invention provides for a multiple positioning roasting grill assembly having at least one locating plate and at least one grid, the grid removably engageable with the locating plate.



21: 2023/08849. 22: 2023/09/19. 43: 2024/03/20
51: D06M

71: Anhui Polytechnic University

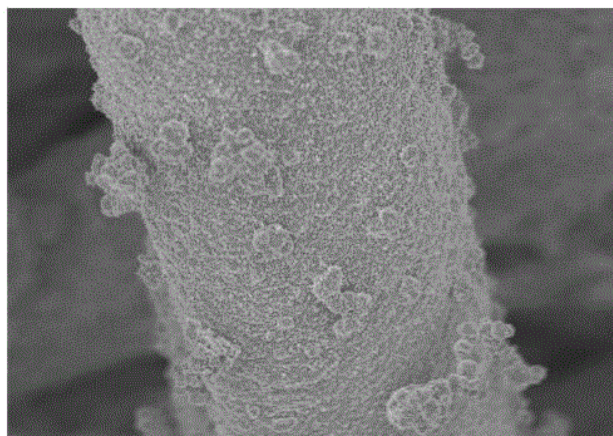
72: ZOU Lihua, ZUO Hongmei, XU Zhenzhen,
WANG Hongjie, YANG Junli, LIU Li, YAO Ming

54: METHOD FOR PREPARING MODIFIED LAYERED ELECTROMAGNETIC SHIELDING FABRIC

00: -

The invention discloses a method for preparing a modified layered electromagnetic shielding fabric, and belongs to the technical field of electromagnetic shielding fabrics. The method comprises the following steps: firstly, soaking the fabric in a roughening solution, a sensitizing solution and an activating solution in sequence to react respectively;

then soaking the activated fabric in a reducing solution for reduction; placing the reduced woven fabric in plating solution for reaction to obtain copper-plated fabric; modifying the copper-plated fabric with silane coupling agent to obtain modified copper-plated fabric; finally, the polypyrrole coating is plated on the outermost layer of the modified copper-plated fabric by electroplating. The coated fabric prepared by the invention is light and thin, good in flexibility and simple in experimental conditions. The electromagnetic shielding fabric has two shielding layers, and electromagnetic waves can be reflected in the shielding layers for many times, thus reducing the emission of electromagnetic waves, avoiding the secondary pollution of electromagnetic waves to the environment, and having good shielding effect in a wide shielding range (8-12 GHz).



21: 2023/08851. 22: 2023/09/19. 43: 2024/03/20
51: G06F

71: Fuzhou University

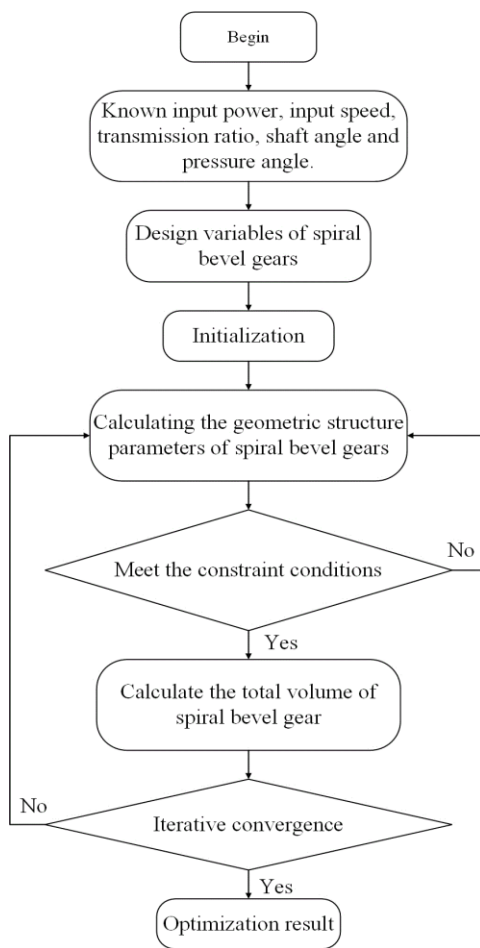
72: YAO Ligang, HUANG Sijie, JIA Chao, DING Jiaxin, SU Haocheng, ZHANG Biaowei

54: DESIGN METHOD OF SINGLE-STAGE SPIRAL BEVEL GEAR BASED ON VOLUME OPTIMIZATION

00: -

The invention aims to provide a design method of single-stage spiral bevel gear based on volume optimization. According to known quantities and design variables, the geometric structural parameters of the single-stage spiral bevel gear are calculated, including tooth number, spiral bevel gear dividing circle diameter, spiral bevel gear pitch cone angle, spiral bevel gear taper distance, spiral bevel gear tooth width, spiral bevel gear equivalent tooth

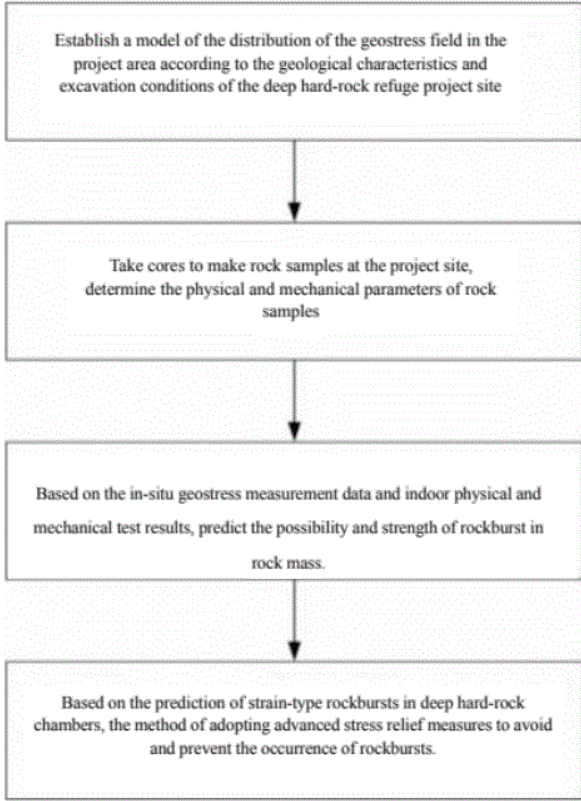
number and spiral bevel gear contact ratio, and the single-stage spiral bevel gear is calculated according to the geometric structural parameters of the single-stage spiral bevel gear. Under the condition of satisfying the constraint conditions and fatigue strength check, taking the minimum volume of the single-stage spiral bevel gear as the optimization objective function, the particle swarm optimization algorithm is used for optimization iteration, and the unsatisfied data are adjusted after each iteration until the preset iteration number is reached, and the iteration is terminated, thus completing the design of the single-stage spiral bevel gear.



00: -

The present invention discloses a method for predicting and preventing strain-type rockbursts in deep hard-rock caverns, which belongs to the technical field of predicting and preventing and controlling engineering dynamic disasters in deep rock bodies, and includes: establishing a model of the distribution of the in-situ stress field in the project area according to the geological characteristics and excavation conditions of the deep hard-rock refuge project site; taking cores to make rock samples at the project site, determine the physical and mechanical parameters of rock samples; based on the in-situ stress measurement data and indoor physical and mechanical test results, the possibility of rockbursts occurring in the rock mass and the strength of the rockbursts are predicted; based on the prediction of strain-type rockbursts in deep hard-rock caverns, the method of adopting advanced stress relief measures to avoid and prevent the occurrence of rockbursts. The present invention adopts the above-mentioned method for predicting and preventing strain-type rockbursts in deep hard-rock caverns, solving the problem that the existing methods of prediction and preventive control are unable to effectively predict the trend of rockbursts induced by the excavation of deep hard-rock caverns as well as their "time-space-intensity" pattern and to solve the shortcomings of the previous active rockburst preventive and control techniques for deep hard-rock caverns.

21: 2023/08852. 22: 2023/09/19. 43: 2024/04/17
 51: G06F
 71: University of Science and Technology Beijing
 72: Peng LI, Shengjun MIAO, Meifeng CAI, Yu WANG, Zhengjun HUANG, Fenhua REN
54: A METHOD FOR PREDICTING AND PREVENTING STRAIN-TYPE ROCKBURSTS IN DEEP HARD-ROCK CAVERNS



21: 2023/08894. 22: 2023/09/20. 43: 2024/04/17
51: C01B

71: Guangdi Maoming Chemical Co., Ltd.,
Guangdong Maohuayan Green Development Co.,
Ltd.

72: Haotong TAN, Shengmin TAN, Wenshi ZENG,
Hai LIU, Weijie HU

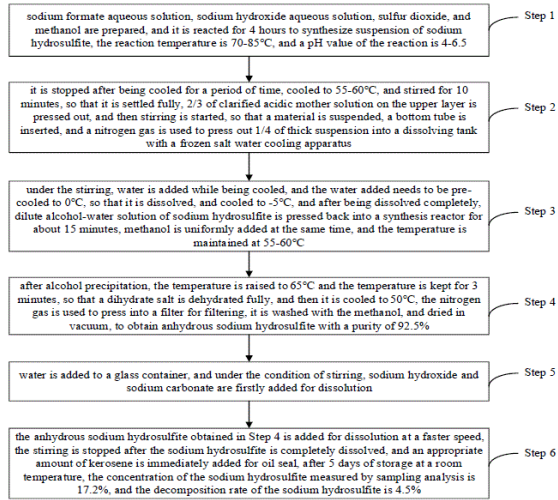
33: CN 31: 202211683623.4 32: 2022-12-27

54: MANUFACTURING METHOD FOR LIQUID SODIUM HYDROSULFITE

00: -

The present application belongs to the technical field of industrial reducing agent production, and specifically relates to a manufacturing method for liquid sodium hydrosulfite. The manufacturing method includes Step 1: sodium formate aqueous solution, sodium hydroxide aqueous solution, sulfur dioxide, and methanol are prepared, and it is reacted for 4 hours to synthesize suspension of sodium hydrosulfite; Step 2: a nitrogen gas is used to press out 1/4 of thick suspension into a dissolving tank with a frozen salt water cooling apparatus; Step 3: after being dissolved completely, dilute alcohol-water solution of sodium hydrosulfite is pressed back into a synthesis reactor for about 15 minutes, methanol is uniformly added at the same time, and the

temperature is maintained at 55-60°C. Its structure is reasonable, the synthesis steps are simple, and it is easy to operate. The production cost may be reduced, it is convenient for preservation, so the practicality is strong.



21: 2023/08905. 22: 2023/09/20. 43: 2024/04/17
51: C22C; C22F

71: ACR II ALUMINIUM GROUP B.V.
72: GIL FERNÁNDEZ-MARCOTE, Ignacio,
FERNÁNDEZ RIVERA, Catalina

33: EP 31: EP21382222 32: 2021-03-18

54: ALUMINIUM ALLOY SHEET FOR CLOSURES AND THERMOMECHANICAL METHOD FOR PRODUCING THE SAME

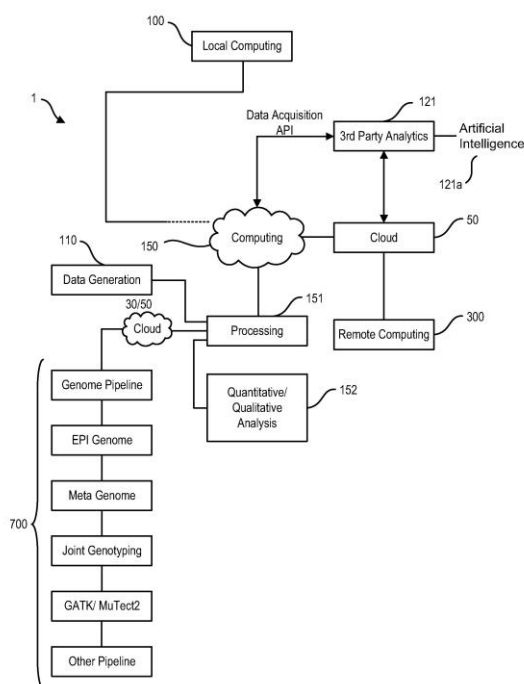
00: -

The present invention refers to an aluminium alloy sheet comprising an aluminium alloy, wherein the aluminium alloy comprises: 0.15wt.% to 0.25wt.% of Si, 0.80wt.% to 1.00wt.% of Fe, 0.08wt.% to 0.12wt.% of Cu, 0.55wt.% to 0.70wt.% of Mn, 0.30wt.% to 0.40wt.% of Mg, equal to or less than 0.05wt.% of each other element, and aluminium as balance. Additionally, the invention refers to a thermomechanical method for producing such aluminium alloy sheet comprising a specific scheme of heating and rolling stages; and the use of such aluminium alloy sheet for manufacturing an aluminium closure, preferably an aluminium cap, for bottles, cans or other similar containers.

21: 2023/08916. 22: 2023/09/14. 43: 2024/04/18
51: G06F
71: ILLUMINA, INC.

72: VAN ROOYEN, Pieter, MCMILLEN, Robert J., RUEHLE, Michael, MEHIO, Rami
 33: US 31: 62/277,445 32: 2016-01-11
54: GENOMIC INFRASTRUCTURE FOR ON-SITE OR CLOUD-BASED DNA AND RNA PROCESSING AND ANALYSIS

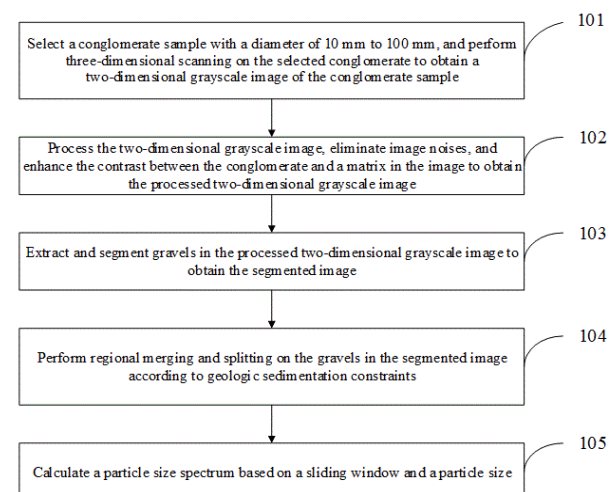
00: -
 A system, method and apparatus for executing a sequence analysis pipeline on genetic sequence data includes a integrated circuit formed of a set of hardwired digital logic circuits that are interconnected by physical electrical interconnects. One of the physical electrical interconnects forms an input to the integrated circuit connected with an electronic data source for receiving reads of genomic data. The hardwired digital logic circuits are arranged as a set of processing engines, each processing engine being formed of a subset of the hardwired digital logic circuits to perform one or more steps in the sequence analysis pipeline on the reads of genomic data. Each subset of the hardwired digital logic circuits is formed in a wired configuration to perform the one or more steps in the sequence analysis pipeline.



21: 2023/08926. 22: 2023/09/21. 43: 2024/04/17
 51: E21C
 71: Southwest Petroleum University
 72: LIANG, Lixi, GOU, Jianru, ZHANG, Wen, LUO, Zhihang, XU, Wenshuo, XIONG, Jian, DING, Yi

54: METHOD FOR EVALUATING PARTICLE SIZE OF CONGLOMERATE BASED ON IMAGE SEGMENTATION

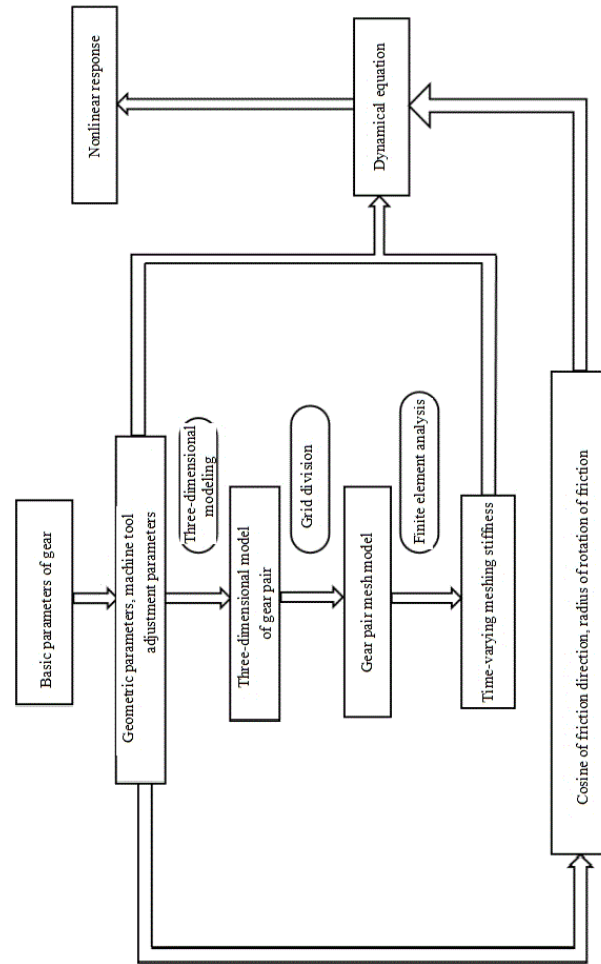
00: -
 Disclosed is a method for evaluating the particle size of conglomerate based on image segmentation, including: selecting a conglomerate sample with a diameter of 10 mm to 100 mm, and performing three-dimensional scanning on the selected conglomerate to obtain a two-dimensional grayscale image of the conglomerate sample; processing the two-dimensional grayscale image, eliminating image noises, and enhancing the contrast between the conglomerate and a matrix in the image to obtain the processed two-dimensional grayscale image; extracting and segmenting gravels in the processed two-dimensional grayscale image to obtain the segmented image; performing regional merging and splitting on the gravels in the segmented image according to geologic sedimentation constraints; and calculating a particle size spectrum based on a sliding window and a particle size.



21: 2023/08928. 22: 2023/09/21. 43: 2024/04/17
 51: G06F
 71: Fuzhou University
 72: YAO Ligang, WEN Ziheng, JIA Chao, HAN Xingbin
54: GEAR DYNAMIC CHARACTERISTIC ANALYSIS METHOD BASED ON TOOTH SURFACE FRICTION

00: -
 The invention relates to a gear dynamic characteristic analysis method based on tooth surface friction, which comprises the following steps:

constructing a two-dimensional model of a gear pair by using KISSsoft software according to basic parameters of the gear and transmission requirements; Introducing the two-dimensional model of gear pair into Creo software to establish the three-dimensional model of gear pair; the finite element mesh model is established and the load-bearing contact analysis is carried out to obtain the dynamic meshing stiffness of the gear pair. Calculate the direction cosine of the normal meshing force in the local coordinate system of the master-slave wheel; Calculating the cosine of the friction direction and the rotation radius of the friction in the local coordinate system of the driving wheel and the driven wheel; the bending-torsion-axis coupling dynamic model of spiral bevel gear transmission system is established by using the lumped parameter method, and the corresponding dynamic equation is derived, taking into account the static transmission error, time-varying meshing stiffness, tooth surface friction and backlash. The dynamic equation is treated as one dimension, and the dynamic characteristics of the transmission system are obtained by solving it based on Runge-Kutta method.



21: 2023/08930. 22: 2023/09/21. 43: 2024/03/22

51: A61M

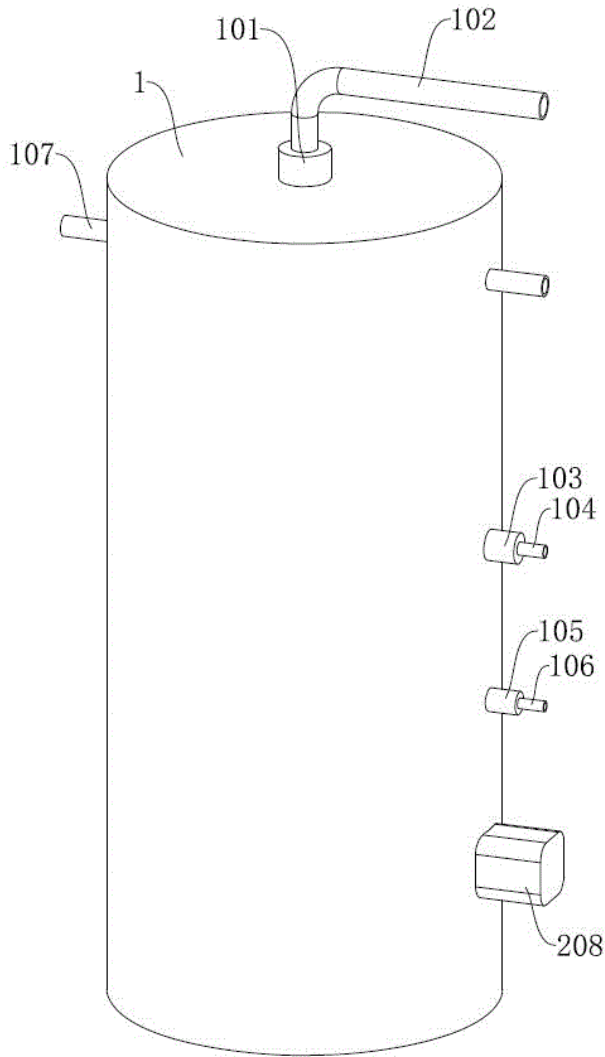
71: SHAANXI PROVINCIAL PEOPLE'S HOSPITAL

72: Yingying Fu

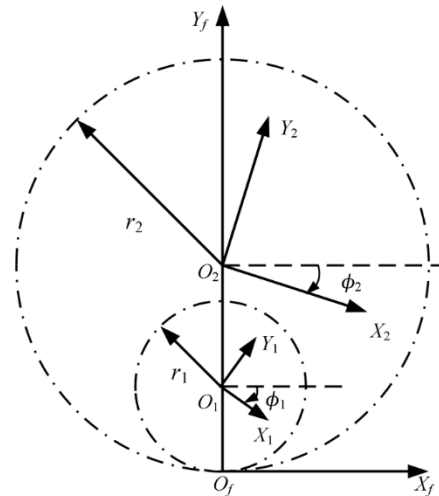
54: AIR DISCHARGE DEVICE FOR BLOOD PURIFICATION APPARATUS

00: -

An air discharge device for a blood purification apparatus comprises an air discharge cylinder, a rotary shaft and a conical cover, and the invention belongs to the technical field of auxiliary devices for blood purification. After blood drops onto the elastic layer, the impact force can drive the distilled water in the fluid cavity to flow in one direction. Due to the existence of the one-way flow control valve, some of the fluid cavities will have excessive storage of distilled water, causing the elastic layer to bulge, which play a buffering and protective role on the blood, and prevent blood residue on the conical cover.



element mesh of the new gear; S6, carrying out tooth profile modification and tooth direction modification meshing characteristics analysis on the new gear by using the load-bearing contact analysis technology; S7: analyzing the error sensitivity of the new gear. Compared with involute gear, the new gear designed by this technical scheme has a significant improvement in bearing capacity.



21: 2023/08935. 22: 2023/09/21. 43: 2024/04/17
 51: F16H
 71: Fuzhou University
 72: JIA Chao, LI Guoju, YAO Ligang, LI Qinghai
54: HIGH-LOAD INTERNAL MESHING GEAR MODIFICATION METHOD BASED ON CURVED MESHING LINE
 00: -
 The invention provides a high-load internal meshing gear modification method based on curved meshing line, which comprises the following steps: S1, solving the new gear tooth profile; S2, calculating the undercut critical value of the new gear; S3, deriving the new gear-rack cutter equation; S4, designing a new type of gear curve meshing line; S5, establishing a parameterized three-dimensional finite

21: 2023/08938. 22: 2023/09/21. 43: 2024/03/25
 51: C22C
 71: Guangdong Weiye Aluminium Factory Group Co., Ltd
 72: CHEN, Jianhang, LI, Jiaying, LIANG, Meichan
 33: CN 31: 202310407913.4 32: 2023-04-17
54: AN ALUMINUM ALLOY PROFILE WITH MATTE DEEP ANTIQUE COPPER NICKEL SALT COLORING AND A PREPARATION METHOD THEREOF

00: -
 Disclosed in the present invention is an aluminum alloy profile with matte deep antique copper nickel salt coloring and a preparation method thereof, the aluminum alloy profile by mass percentage comprises following components: $Mg \leq 0.9\%$, $Si \leq 0.6\%$, $Fe \leq 0.2\%$, $Cu \leq 0.1\%$, $Mn \leq 0.05\%$, $Ti \leq 0.05\%$, $Cr \leq 0.05\%$, $Zn \leq 0.05\%$, the balance being Al and unavoidable impurities. And the preparation process comprises: melting casting, homogenization, extrusion annealing, pre-treatment, anodic oxidation, electrolytic coloring and electrolytic matte. By optimizing the formulation and combining with specific preparation processes according to the present invention, the coloring effect of the profile is improved, and the obtained profile has a deep antique copper base with red and uniform color.

21: 2023/08964. 22: 2023/09/21. 43: 2024/03/25
51: A24B

71: APE8 S.R.L.

72: FERRI, Emanuele, GILARDINO, Piero

33: IT 31: 102021000005027 32: 2021-03-04

54: LIQUID COMPOSITION FOR INHALATION FOR ELECTRONIC CIGARETTES

00: -

The present invention relates to a liquid composition for inhalation for electronic cigarettes. In particular, the present invention relates to a composition for inhalation by electronic cigarette comprising the following components: a) water 25-40% by weight b) 1,3-propanediol 30-50% by weight c) glycerol 20-30% by weight d) a preservative 0.1-5% by weight e) optionally, nicotine 0.2-6% by weight f) optionally, a flavouring 0-10% by weight g) optionally, at least a cyclodextrin 0.1-5% by weight.

21: 2023/08974. 22: 2023/09/22. 43: 2024/04/17
51: B09C

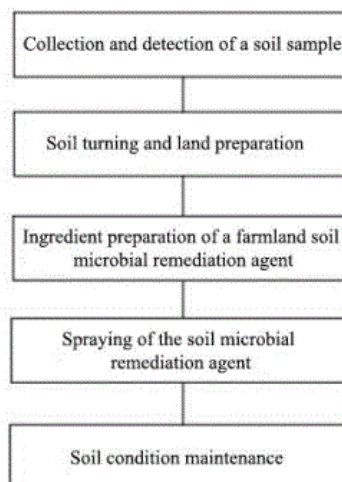
71: Ningxia University

72: ZHANG, Qimin, HU, Jing, LI, Fengjun, WANG, Sicheng, GUO, Wenjuan, ZHAO, Yan

54: FARMLAND SOIL MICROBIAL REMEDIATION METHOD

00: -

Disclosed is a farmland soil microbial remediation method, which relates to the technical field of soil remediation methods. The method includes the following steps: collection and detection of a soil sample: collecting a soil sample and detecting heavy metal components and active state content; soil turning and land preparation: plowing topsoil with a depth of 20-40 cm on the surface of polluted farmland soil by using a cultivator 1-3 days before spraying a soil remediation agent; ingredient preparation of a farmland soil microbial remediation agent: proportioning the soil microbial remediation agent according to detection data; spraying of the soil microbial remediation agent: applying organic fertilizer to the surface of to-be-treated soil, diluting the soil microbial remediation agent, then spraying to the surface of the to-be-treated soil, and plowing the soil; and soil condition maintenance.



21: 2023/08977. 22: 2023/09/22. 43: 2024/03/25
51: A01N; C12N

71: HUNAN ACADEMY OF FORESTRY

72: XIE, Yifei, DENG, Wan, YU, Jinxiu, LI, Mi, HE, Zhen

54: SCREENING AND DOMESTICATION METHOD FOR HIGH TEMPERATURE RESISTANT STEINERNEMA CARPOCAPSAE AND APPLICATION THEREOF

00: -

A screening and domestication method for high temperature resistant *Steinernema carpocapsae* comprising the following steps: placing a petri dish of a suspension of *Steinernema carpocapsae* in a shaker at 32°C for 3 hours, recovering in a 23°C incubator, treating in the shaker at 35°C for 5 hours, then recovering in the 23°C incubator; absorbing several drops of 10 µL/drop suspension on slides from the same petri dish, counting the survival rate of the nematodes; propagating the remaining viable nematodes in the petri dish; treating the offspring of the remaining viable nematodes as above; when the survival rate is greater than or equal to 50%, increasing the 5-hour temperature treatment of a next generation by 1°C, ultimately to 38°C; defining the nematodes with the survival rate more than 50% after 5-hour treatment at 38°C as a heat-resistant strain of nematodes

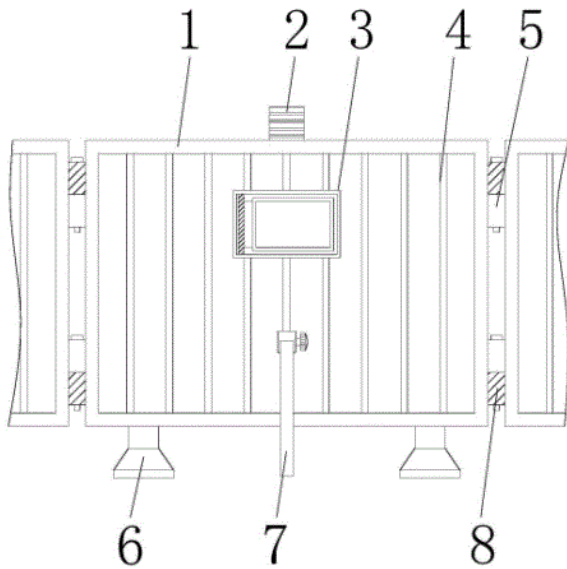
21: 2023/08980. 22: 2023/09/22. 43: 2024/03/25
51: E04H

71: CCCC FIRST HIGHWAY ENGINEERING GROUP CO., LTD, THIRD ENGINEERING CO.,LTD OF CCCC FIRST HIGHWAY ENGINEERING GROUP

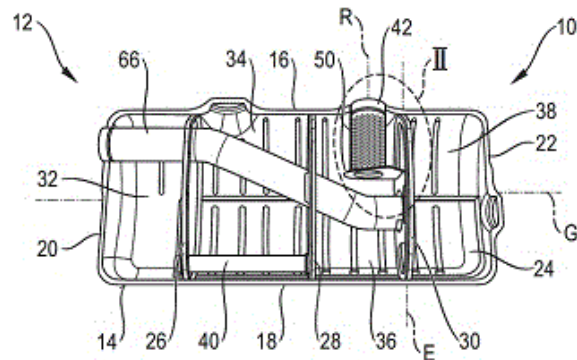
72: Zheng FU, Yanwei WU, Wei HAN, Fei WANG, Ruiqing ZHAO, Zhongyang SU, Xiaoguang ZHAO, Jiulong LI

54: A FOUNDATION PIT FENCE STRUCTURE

00: -
 The present invention discloses a foundation pit fence structure, belonging to the field of municipal engineering, including a frame, the top of the frame is provided with a protective cover, the bottom of the frame is symmetrically provided with a supporting leg, the outer side of the frame is provided with a first connection sleeve and a second connection sleeve, the first connection sleeve and the second connection sleeve are connected by a bolt, the inner side of the frame is provided with a grille, the grille is provided with a fixed plate, the fixed plate is far away from the side of the frame is provided with a fixed groove, the fixed groove is connected with a rotating shaft, the rotating shaft is provided with a warning sign, and the grille in the middle position of the frame is connected with a supporting component. The present invention adopts the above structure to improve the warning effect of the guardrail and the stability of the guardrail frame.



(26, 28, 30) which is arranged in a housing interior (24) and at least one sound damper connection pipe (42), which is supported in a first pipe end region (44) on the sound damper housing (14) and which is arranged in a second pipe end region (48) on a support element (50) which is arranged in the housing interior (24) and which forms an integral component of an intermediate wall (30), for introducing exhaust gas into the housing interior (24) or for directing exhaust gas out of the housing interior.



21: 2023/08985. 22: 2023/09/22. 43: 2024/04/18
 51: C07K; C12N
 71: BIOLOGICAL E LIMITED
 72: REGATTI, Pavan Reddy, MATUR, Ramesh Venkat, MANTENA, Narender Dev, DATLA, Mahima
 33: IN 31: 202141014741 32: 2021-03-31

54: CONSTRUCTS AND METHODS FOR INCREASED EXPRESSION OF POLYPEPTIDES

00: -
 The present invention relates to field of protein expression. It provides expression constructs and methods for increased expression of recombinant proteins. More particularly, it provides constructs and methods for enhanced expression of Lira-peptide in a recombinant host cell.

21: 2023/08982. 22: 2023/09/22. 43: 2024/03/25
 51: F01N
 71: PUREM GMBH
 72: SCHMIDT, MICHAEL, KRATZ, PHILIPP
 33: DE 31: 10 2022 124 582.9 32: 2022-09-26

54: SOUND DAMPER

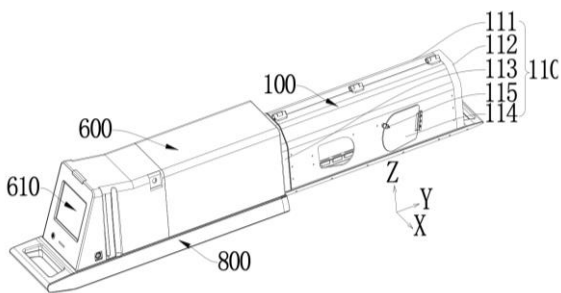
00: -
 A sound damper for an exhaust gas system of an internal combustion engine comprises a sound damper housing (14), at least one intermediate wall

21: 2023/09017. 22: 2023/09/22. 43: 2024/03/25
 51: A61G
 71: Ningbo David Medical Device Co., Ltd.
 72: Chen Zaihong, Tao Cheng, Li Hailei, Lin Yingjun, Wu Haixiao
 33: CN 31: 202211116938.0 32: 2022-09-14

54: MRI COMPATIBLE INCUBATOR AND INCUBATION TRANSFER IMAGING SYSTEM

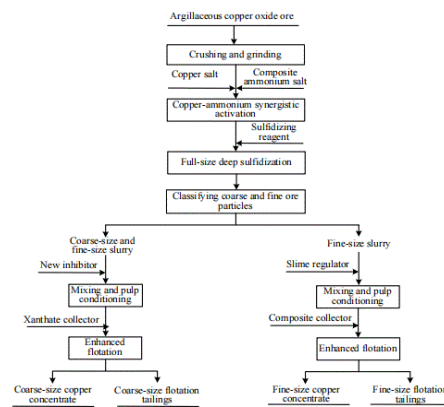
00: -

The present invention provides a nuclear magnetic compatible incubator and culture transfer imaging system, which falls within the technical field of incubators. The nuclear magnetic compatible incubator comprises a culture bin, an air inlet duct structure and a ventilation driving device located outside the culture bin; the air inlet duct structure comprises a plurality of air inlet chambers, a first end of the air inlet chambers is used for communicating with the ventilation driving device, and a second end is provided with an air outlet, and the air outlet is located inside the culture bin. In the present invention, an air inlet duct structure is provided to comprise a plurality of air inlet chambers, corresponding air outlet ports of the air inlet chambers are individually connected to a ventilation driving device, each air outlet port in a culture bin is capable of out-taking air to avoid, to a certain extent, that most of the air driven by the ventilation driving device enters the culture bin from the air outlet port close to the ventilation driving device to avoid the possibility of temperature and humidity inhomogeneity formed in the longitudinal direction of the culture bin due to a small amount of air from the air outlet port farther away from the ventilation driving device, and to ensure the use experience and comfort of critical groups such as infants to a certain extent.



21: 2023/09026. 22: 2023/09/26. 43: 2024/04/17
 51: B03D
 71: Kunming University of Science and Technology
 72: FENG, Qicheng, TANG, Yanyu, WEN, Shuming, LIU, Dianwen, WANG, Han, HAN, Guang, ZHANG, Qian, SHEN, Zhihao, LU, Wanming, YANG, Wenhong
 33: CN 31: 202211336488.6 32: 2022-10-28
54: METHOD FOR FULL-SIZE DEEP SULFIDIZATION AND COARSE-FINE PARTICLE CLASSIFIED AND ENHANCED FLOTATION OF ARGILLACEOUS COPPER OXIDE ORE

00: -
 The disclosure relates to a method for full-size deep sulfidization and coarse-fine particle classified and enhanced flotation of an argillaceous copper oxide ore. According to the disclosure, the argillaceous copper oxide ore is crushed and ground, and copper salt and composite ammonium salt are added into pulp to synergistically activate a surface of a copper oxide mineral to obtain activated pulp; a sulfidizing reagent is added into the activated pulp to perform full-size deep sulfidization on the copper oxide mineral to obtain sulfide pulp; after the sulfidized pulp is conditioned, coarse and fine ore particles are classified to obtain coarse-size slurry and fine-size slurry; an inhibitor is added into the coarse-size slurry to selectively inhibit gangue minerals, then a xanthate collector and a frother are added in turn, and coarse-size copper concentrate and coarse-size flotation tailings are obtained by flotation after pulp conditioning.



21: 2023/09060. 22: 2023/09/26. 43: 2024/03/27
 51: H04L
 71: RESKUBE LTD
 72: LAWTON, Andrew James
 33: GB 31: 2104166.0 32: 2021-03-24
54: NETWORK COMMUNICATION APPARATUS AND SYSTEM

00: -
 A network communication apparatus comprising a router that routes an internet signal, a controller that controls the router the router including a mobile internet connection and a fixed line internet connection, the controller capable of monitoring the internet connection and switching between the mobile internet connection and a fixed line internet

connection depending on the speed and/or reliability of each internet connection.

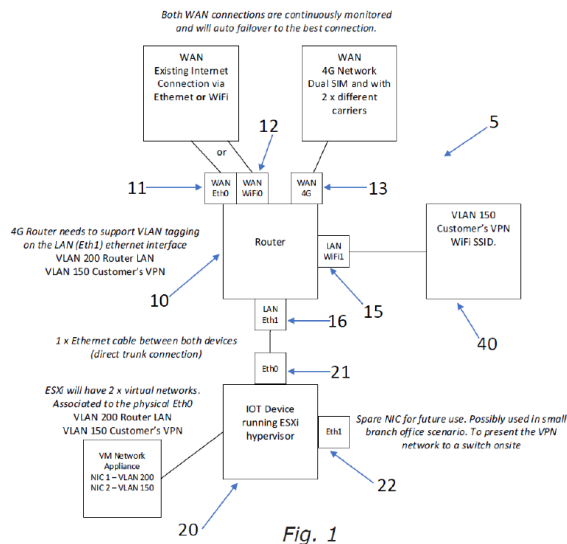


Fig. 1

21: 2023/09083. 22: 2023/09/27. 43: 2024/03/27

51: A61K; A61P; A61Q
71: FOLLEA INTERNATIONAL
72: GOREN, OFER A

33: US 31: 63/512,137 32: 2023-07-06
33: US 31: 18/240,485 32: 2023-08-31

54: SYSTEMS AND METHODS FOR PREDICTING RESPONSE TO ORAL MINOXIDIL FOR THE TREATMENT OF ANDROGENETIC ALOPECIA

00: -
Methods, processes, systems, and apparatuses are disclosed for predicting minoxidil response in the treatment of androgenetic alopecia, and prescribing a minoxidil dosage amount, minoxidil dosage frequency, and/or minoxidil dosage routine based on the same.

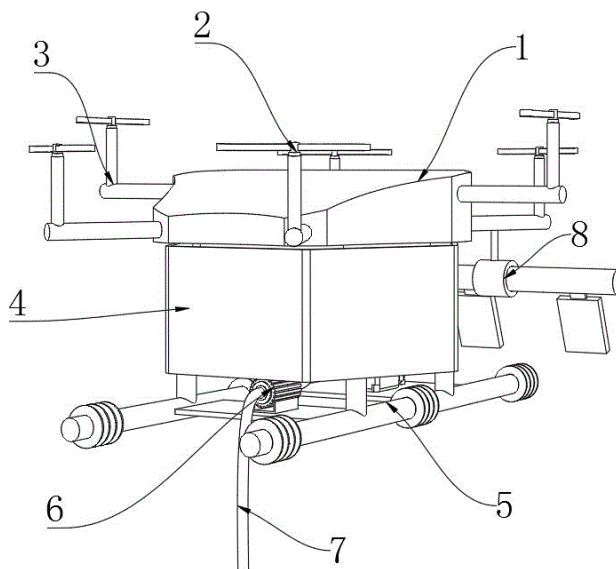
21: 2023/09099. 22: 2023/09/27. 43: 2024/04/02

51: B64D
71: Lu'an Xiangchuan Technology Co., Ltd.
72: Xiuqin Hu, Jiyun Shen

54: AN UNMANNED AERIAL VEHICLE FOR AGRICULTURAL PLANT PROTECTION

00: -
The invention discloses an unmanned aerial vehicle for agricultural plant protection, in particular relating to the technical field of plant protection unmanned aerial vehicle. The utility model comprises an unmanned aerial vehicle housing, and the outer surface of the unmanned aerial vehicle housing is fixedly connected with six supporting brackets. The

lower end of the unmanned aerial vehicle shell is fixed connected with a medicine water tank, and the lower end of the medicine water tank is fixed connected with a bottom frame. The upper end of the bottom frame is fixed connected with a water pump, the front end of the water pump is fixed connected with a pumping pipe, and the upper end of the bottom frame is fixed connected with a driving mechanism. The rear part of the driving mechanism is connected with a spraying mechanism. The invention relates to an unmanned aerial vehicle for agricultural plant protection, which has a driving mechanism and a spraying mechanism. They cooperate with each other so that the spraying head can achieve the effect of spraying while swinging vertically. It has a pump and a pumping tube, and when the potion is exhausted, it can fly over the container containing the potion to pump the potion into the medicine tank. It has a holding mechanism which holds the hose connected to the spraying head in place. This allows for better delivery of potions, which improves the efficiency and practicality of plant protection unmanned aerial vehicles.



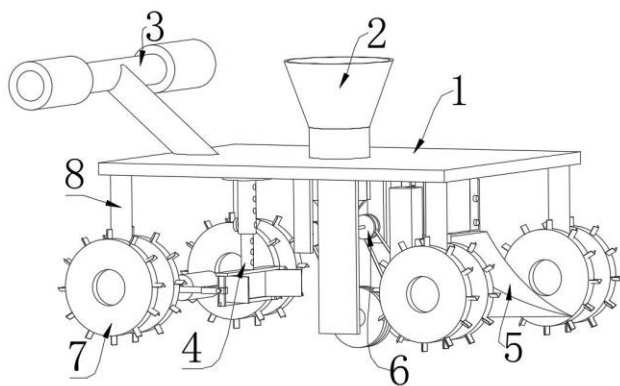
21: 2023/09100. 22: 2023/09/27. 43: 2024/04/02

51: A01C
71: Lu'an Xiangchuan Technology Co., Ltd.
72: Xiuqin Hu, Jiyun Shen

54: A MULTIFUNCTIONAL SEEDING DEVICE FOR CHINESE MEDICINAL HERBOLOGY

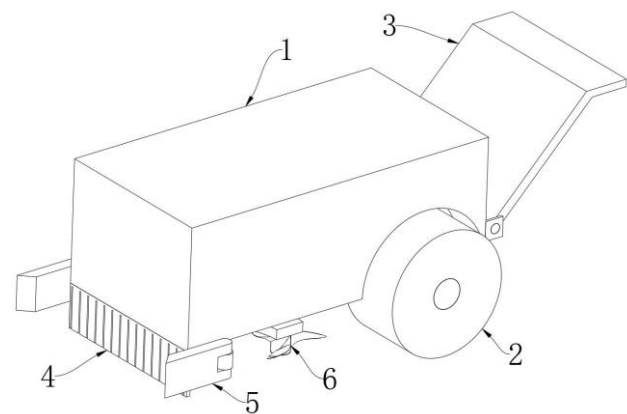
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The invention discloses a multifunctional seeding device for Chinese medicinal herbology, in particular relating to the technical field of pesticide seeding. The rectangular vehicle plate comprises the four corners of the lower end of the rectangular vehicle plate are fixed connected with a car leg, and the lower ends of the four car legs are rotated and connected with a car wheel. The upper end of the rectangular vehicle plate is fixed connected with a car handlebar, the middle of the rectangular vehicle plate is fixed connected with a sowing mechanism, and the sowing mechanism runs through the lower end of the rectangular vehicle plate. The lower end of the rectangular vehicle plate is fixed connected with a soil turning mechanism, and the lower end of the rectangular vehicle plate is fixed connected with a soil covering mechanism. The outer surface of the sowing mechanism is rotated and connected with a transmission mechanism. The invention relates to a multifunctional seeding device for Chinese medicinal herbology. While the device is moving forward manually, the soil turning mechanism first turns the soil in front. Then the sowing mechanism begins to sow through the movement of the transmission mechanism. After sowing, the soil covering mechanism in the rear is covered and the land is slightly rolled, which makes sowing more convenient.



21: 2023/09101. 22: 2023/09/27. 43: 2024/04/02
 51: A01D
 71: Lu'an Xiangchuan Technology Co., Ltd.
 72: Xiuqin Hu, Jiyun Shen
54: A WEEDING DEVICE FOR RICE PLANTING
 00: -
 The invention discloses a rice planting weeding device, in particular relating to the technical field of rice planting. The control enclosure comprises a

finishing mechanism which is fixedly connected to the lower part of the front end of the control enclosure. The lower middle end of the outer surface of the control chassis is fixed connected with a transmission mechanism, and the transmission mechanism is fixed connected with a cutting mechanism. The front part of the lower end of the outer surface of the control chassis is fixedly connected with a collector mechanism. The rice planting and weeding device of the invention rotates the collector plate to a suitable angle by controlling the bearing shaft. The weeds at the front of the rectangular plate are caught, which allows them to concentrate through the inner cavity of the rectangular through-hole. The weeds collected by the collector plate will appear to be stroked through the rectangular through-hole cavity and eventually fall towards the cutting mechanism. This can achieve a large number of weeds concentrated cut at the same time, to avoid part of the weeds because not straightening in the bending state of the cutting knife can not touch the phenomenon. This improves the practicality and efficiency of the device.

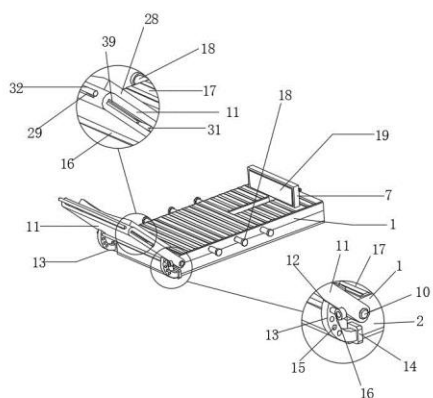


21: 2023/09102. 22: 2023/09/27. 43: 2024/04/02

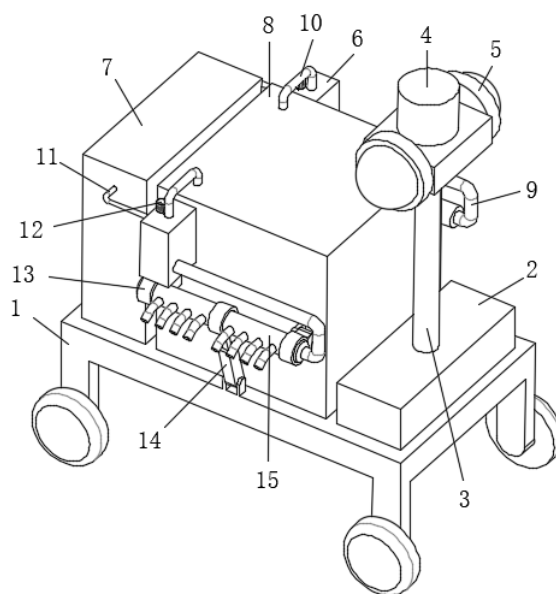
51: A63B
 71: TaiShan University
 72: Dayang Zhang, Qinsheng Li
54: A PHYSICAL STRENGTH TRAINING DEVICE FOR PHYSICAL TRAINING

00: -
 The invention relates to the technical field of sporting goods, in particular to a physical strength training device for physical training. The invention comprises: a sliding hole is arranged on the surface of the training plate, a step plate is arranged in the sliding hole, a supporting plate is arranged at one

end of the training plate, a positioning plate is arranged in the supporting plate, and a positioning rod is arranged in the positioning plate; The beneficial effect of the invention is: a physical strength training device for physical training. First of all, the position of the adjustable pedal plate is suitable for the height of the user, and then the positioning rod is used to limit the position after adjusting the angle of the board to adjust the appropriate angle. In this way, the user can sit on the back of the training plate and lean against the rest of the board to perform sit-ups. After one end of the training time, the user has gradually adapted to the invention, and then pull out the positioning rod and turn the supporting plate again to increase the outward tilt angle of the supporting plate, so that the user's body fluctuation can be increased and the training intensity can be gradually improved. Thus, this allows the trainer to cycle gradually through a physical training, and it is more convenient for the user.



driving seat in sequence, and mixing boxes are fixedly installed on one side of outer walls of two ends of the water tank; and water guide pipes are fixedly connected between middles of top ends of the mixing boxes and the water tank. According to the present invention, the driving seat moves between two rows of crops, and a field navigation mechanism and intelligent identification mechanisms cooperate, so as to intelligently judge production states of the crops, so that reversing motors adjust interfaces of reversing cylinders according to growth trends of the crops, one of the interfaces is attached to an outlet end of each of the fertilizer guide pipes, fertilizers are led out from other interfaces and then mixed with water uniformly led out from water guide pipes, and the reversing cylinders rotate to replace the interfaces so that a fertilization concentration may be adjusted to avoid crop necrosis due to an excessive fertilization concentration or insufficient fertilization.



21: 2023/09122. 22: 2023/09/27. 43: 2024/04/02
51: A01G

71: Anhui Zhongke Zhixin Environmental Technology Co., Ltd.

72: SONG, Zhichao, GAO, Huiyi

54: FERTILIZING AND WATERING DEVICE BASED ON AGRICULTURAL INTERNET OF THINGS TECHNOLOGY

00: -

The present invention discloses a fertilizing and watering device based on an agricultural Internet of Things technology, and belongs to the technical field of agriculture. The device includes a driving seat, specifically, a fertilizer tank, a water tank and a control box are fixedly installed at a top end of the

21: 2023/09131. 22: 2023/09/28. 43: 2024/04/02
51: A61K

71: Nankai University

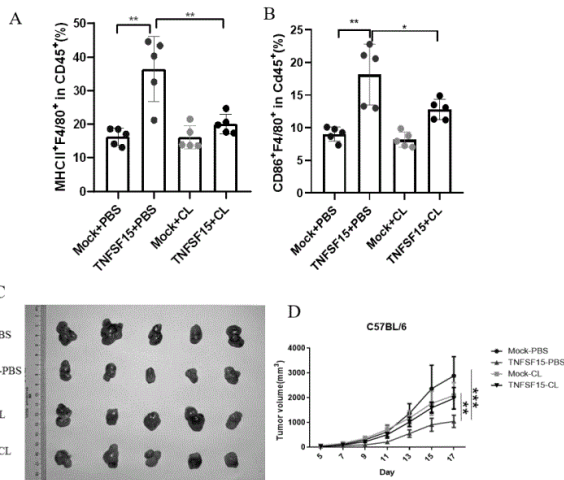
72: ZHANG Qiangzhe, LI Luyuan

54: USE OF TNFSF15 PROTEIN AND PHARMACEUTICALLY ACCEPTABLE AUXILIARY MATERIALS IN PREPARING MEDICINES FOR TREATING LUNG CANCER

00: -

The invention discloses a use of TNFSF15 protein and pharmaceutically acceptable auxiliary materials

in preparing medicines for treating lung cancer. In this use, TNFSF15 protein is used as an immunopotentiator of immune cells, and bone marrow-derived macrophages, peritoneal macrophages and macrophage cell line Raw264.7 induced by mouse M-CSF or GM-CSF are activated in vitro, so as to enhance the function of killing tumor cells, promote infiltration of lymphoid immune cells such as B cells and CD8+T cells into tumors, promote anti-tumor immune response, and inhibit tumor growth. The invention has a significant effect on the in vitro amplification of immunotherapy and the killing activation of T cells, and provides more possibilities for immunotherapy of tumors.



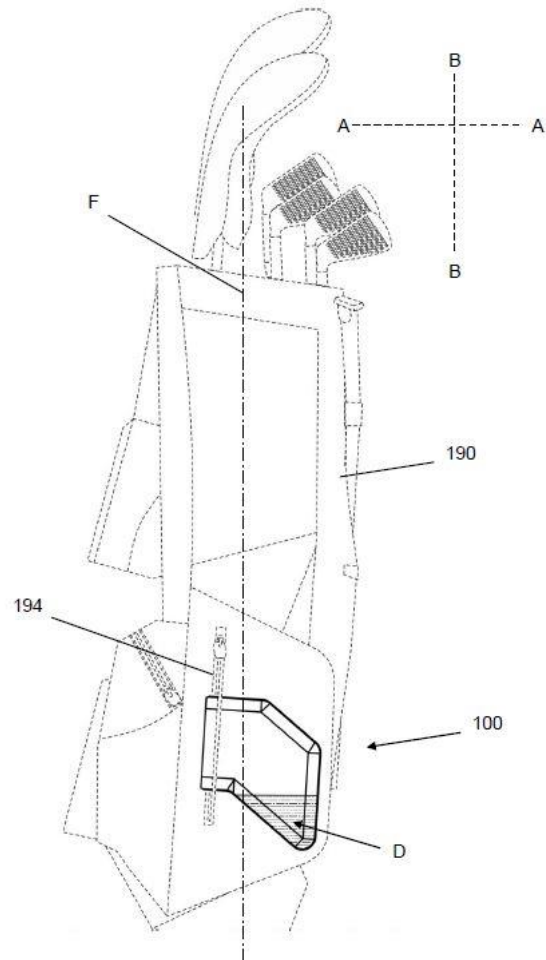
21: 2023/09141. 22: 2023/09/28. 43: 2024/04/02
51: A63B

71: CONRADIE FAMILY TRUST
72: CONRADIE, Philippus Möller, CONRADIE, Mila, VAN RENSSSEN, Gerrit, JOUBERT, Schalk Willem, CONRADIE, Philippus Möller (Jnr), CONRADIE, Jacobus Daniël

54: A GOLF CLUB HEAD CLEANER

00: -
A golf club head cleaner comprising a body including a container configured to hold a liquid, the container including an opening; and a brush arrangement extending across at least part of an internal surface of the container. The opening is offset to one side relative to at least a portion of the body such that the portion defines a reservoir configured to hold liquid when the body is pivoted towards the reservoir and the opening rotates through an angle between a generally horizontal and a generally vertical condition. In a further aspect of the invention of the invention there is a golf club carrier including a golf

club head cleaner comprising a body including a container configured to hold a liquid, the container including an opening; and a brush arrangement extending across at least part of an internal surface of the container.

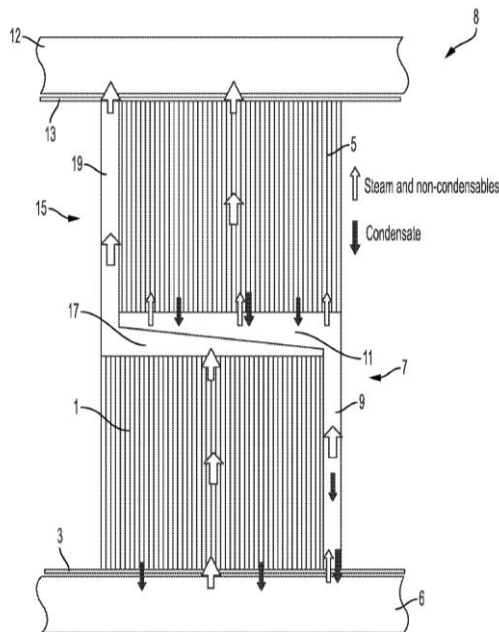
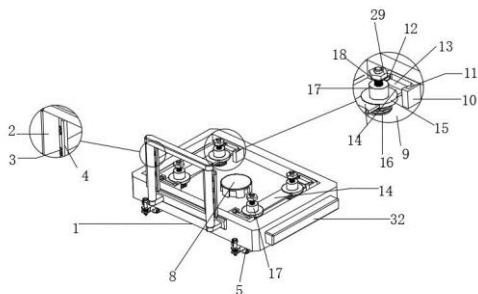


21: 2023/09144. 22: 2023/09/28. 43: 2024/04/02
51: A63B

71: TaiShan University
72: Hairong Zhang, Wei Zhao
54: A PROTECTIVE MAT USED IN SPORTS TRAINING

00: -
The invention relates to the technical field of sporting goods, in particular to a protective mat used for sports training. The utility model comprises a push rod arranged on the side of the base and a buffer plate arranged on the side of the push rod. A buffer spring is arranged in the base, and an air bag and a protective pad are arranged above the buffer spring; Its beneficial effect is: when in use, when it is

necessary to protect the jump, first push the push rod to push the base to one side of the jump frame. Then, according to the height of the field or the height of the jump rack, the electric push rod can be activated to raise the protective pad to the corresponding height. In this way, the athlete does not need to superimpose more protective pads for protection. When the high jumper falls, the protective pad with the air bag and the buffer spring can greatly reduce the impact force of the athlete. The cushion plate on the side of the push rod prevents the athlete from rolling off the protective pad and falling into the ground causing unnecessary injury problems, which improves the overall safety of the device.

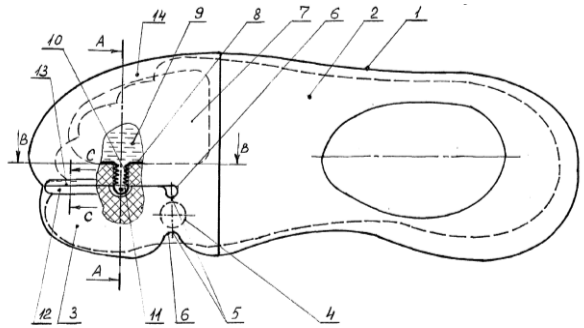
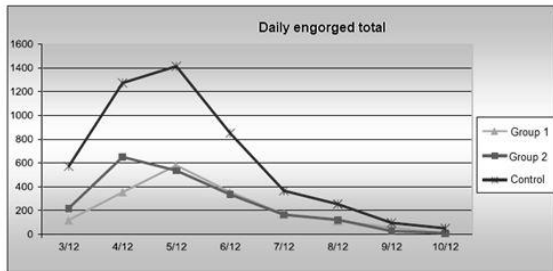


21: 2023/09179. 22: 2023/09/29. 43: 2024/04/17
 51: F25B; F28D; F28F
 71: EVAPCO, INC.
 72: HUBER, Mark, LIBERT, Jean-Pierre
 33: US 31: 63/155,550 32: 2021-03-02
 33: US 31: 17/684,883 32: 2022-03-02
54: STACKED PANEL HEAT EXCHANGER FOR AIR COOLED INDUSTRIAL STEAM CONDENSER
 00: -

A stacked panel tube bundle for an air cooled steam condenser having two sets of condensing tubes, one set arranged above the other, the first (lower) set of tubes in direct fluid communication with a combined steam delivery/condensate collection manifold at a bottom end and in indirect fluid communication with a non-condensable collection manifold via an L-shaped extension member; the second (upper) set of tubes in direct fluid communication with the non-condensable collection manifold at the top, and in indirect fluid communication with the combined steam delivery/condensate collection manifold via an L-shaped extension member.

21: 2023/09200. 22: 2023/09/29. 43: 2024/04/11
 51: A61K; C07K; A61P
 71: BIOTICK PESQUISA E DESENVOLVIMENTO TECNOLÓGICO LTDA., EMPRESA BRASILEIRA DE PESQUISA AGROPECUÁRIA - EMBRAPA
 72: ANDREOTTI E SILVA, Renato
 33: BR 31: 10 2021 004904 9 32: 2021-03-16
54: PEPTIDE COMBINATION, CHIMERIC PEPTIDE, IMMUNOGENIC COMPOSITION, USE OF THE PEPTIDE COMBINATION, USE OF THE CHIMERIC PEPTIDE, USE OF A COMPOSITION, METHOD OF INDUCING IMMUNE RESPONSE AND KIT

00: -
 The present invention is applied to the field of Biotechnology and Immunology and refers to combinations of immunogenic peptides, chimeric peptides, compositions that comprise them and the uses thereof for control of ticks, particularly ticks of the species *Rhipicephalus microplus*. The present invention further provides kits containing the combinations, chimeric peptides and/or compositions comprising the combinations of immunogenic peptides, and a method for inducing immune response in animals, particularly bovines.

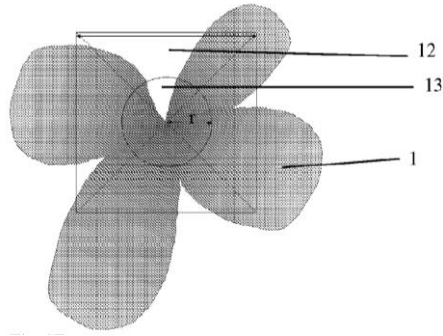


21: 2023/09201. 22: 2023/09/29. 43: 2024/04/02
 51: A43B
 71: GORDIEIEV, Viktor, KIRPICHNIKOV, Alexey, SEREGIN, Yury
 72: KIRPICHNIKOV, Alexey, SEREGIN, Yury
 33: IT 31: 102021000015188 32: 2021-06-10
54: ORTHOPEDIC SHOE SOLE OR INSOLE AND SHOE FOR PEOPLE WITH HALLUX VALGUS
 00: -

The invention relates to an orthopedic shoe sole (1) or insole for persons with hallux valgus, wherein the orthopedic shoe sole (1) or insole supports at least the Digitis Pedis I to V and the ball of the foot when walking or in a static state, in particular the entire foot from the Digitis Pedis I to V to the heel, wherein the orthopedic shoe sole (1) or insole comprises a main part (14) and an element (3) movably connected thereto, the movable element (3) being located under and supporting the Digitis Pedis I and the main part (14) being located at least under and supporting the Digitis Pedis II to V and the ball of the foot, wherein the movable element (3) is movably connected to the main part (14) so as to rotate about an axis (4) in a horizontal plane within the limits of the joint of the Digitis Pedis I and the ball of the foot, which is characterized by the fact that there is a cavity (7) in the main part (14) of the shoe sole (1) or insole under the Digitis Pedis II to V and/or the transverse arch of the foot, in which cavity (7) a hydraulic, mechanical, pneumatic, electric or other device is installed, which is connected to the movable element (3) and causes the rotary movement in the horizontal plane laterally away from the main part (14) during a walking movement, in particular caused by the compressive force caused by the patient's own weight on the orthopedic shoe sole (1) or insole. The invention further relates to a shoe with an orthopedic shoe sole (1) or insole according to the invention.

21: 2023/09244. 22: 2023/10/03. 43: 2024/04/03
 51: A01B
 71: ULLMANNA S.R.O.
 72: ULLMANN, Jindrich, ULLMANN, Martin, CMELIK, Jan, PLHAL, Jan, SPACEK, Jan
 33: CZ 31: PV 2021-198 32: 2021-04-20
54: INTRA-ROW WEEDING METHOD FOR AGRICULTURAL CROPS IN THE IMMEDIATE VICINITY OF THE ROOTS THEREOF
 00: -

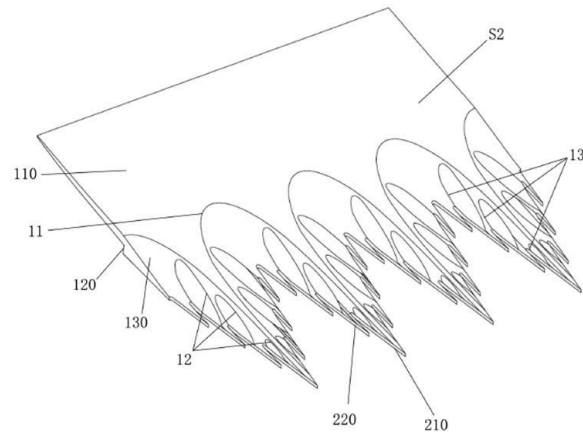
The method of intra-row weeding of agricultural crops by means of a moving weeding machine is characterized in that the weeding machine is firstly calibrated in 3D space and, then, the weeding occurs in three lines: within the recording line, the camera continuously takes images of the field of view, which are stored in the evaluation software; within the location line, the evaluation software analyzes the location field where it detects and localizes agricultural crop centers using a machine learning model trained to recognize crop centers; within the contact line, a defined zone is defined and the evaluation software evaluates the time and/or distance up to contact of the knives with the detected crop centers detected in the location line with respect to the current travel rate of the weeding machine; when the knives enter the defined zones around the contact points, the evaluation software commands to withdrawn around the detected crop centers, and when the knives leave the defined zones around the contact points, the evaluation software commands to clamp the knives.



A blade noise reduction device, comprising a plurality of sawtooth units (200). The plurality of sawtooth units (200) are arranged in a first direction (D1). Each sawtooth unit (200) comprises secondary teeth (220) and a primary tooth (210), which extend in a second direction (D2), wherein at least one secondary tooth (220) is distributed on each of two sides of the primary tooth (210), the tooth vertex angle (a2) of the secondary tooth (220) being smaller than the tooth vertex angle (a1) of the primary tooth (210). The blade noise reduction device can remarkably improve the noise reduction effect. In addition, the present invention further relates to a blade having the blade noise reduction device, and a wind turbine generator set having the blade.

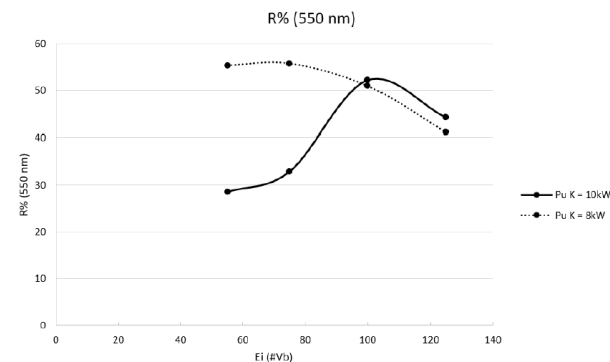
21: 2023/09247. 22: 2023/10/03. 43: 2024/04/03
 51: C23C; G21C; H01J
 71: HYDROMECHANIQUE ET FROTTEMENT
 72: HEAU, Christophe, VILLARD, Maxime
 33: FR 31: 2105207 32: 2021-05-19
54: METHOD FOR DEPOSITION OF DENSE CHROMIUM ON A SUBSTRATE

00: -
 The invention relates to a method for depositing a chromium-based material from a target onto a metal substrate, by continuous magnetron sputtering, using a plasma generated in a gas. According to the invention: - the ratio between the flow of gaseous ions directed toward the substrate and the flow of neutral chromium atoms directed toward the substrate is adjusted to between 0.5 and 1.7; and - a bias voltage of between -50V and -100V is applied to the substrates.

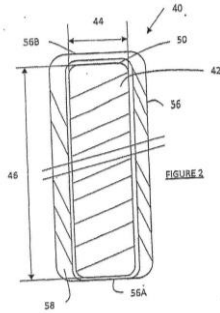


21: 2023/09312. 22: 2023/10/05. 43: 2024/05/02
 51: E21D; F16B
 71: WEIDEMAN, George, OLIVIER, Jacob Petrus Stephanus
 72: WEIDEMAN, George, OLIVIER, Jacob Petrus Stephanus
 33: ZA 31: 2021/02428 32: 2021-04-14
54: ROCK BOLT ANCHORING DEVICE

00: -
 A rock bolt anchoring device (40) which includes a container (56) which has a first part of a settable composition in the form of a solid member (42), a second part of the composition in fluent form (58), and a barrier (50) between the first part and the second part and wherein the container, the barrier and the solid member are broken, and then mixed, by mechanical action.



21: 2023/09277. 22: 2023/10/04. 43: 2024/04/10
 51: F03D
 71: JIANGSU GOLDWIND SCIENCE & TECHNOLOGY CO., LTD.
 72: ZHAO, Xiong, JIA, Shaohong, LIU, Qiuge, HAO, Zhuang
 33: CN 31: 202110350190.X 32: 2021-03-31
54: BLADE NOISE REDUCTION DEVICE, BLADE, AND WIND TURBINE GENERATOR SET
 00: -



21: 2023/09329. 22: 2023/10/05. 43: 2024/04/10

51: G05D; B60W; H04W

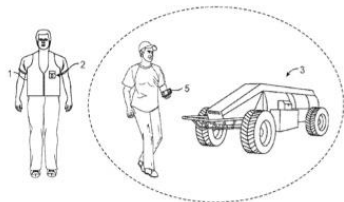
71: GUSS Automation LLC

72: CRINKLAW, David, SCHAPANSKY, Chase, THOMPSON, Gary

54: AUTONOMOUS VEHICLE SAFETY SYSTEM AND METHOD

00: -

An autonomous vehicle safety system, a method of operating the same and an autonomous vehicle equipped with the autonomous vehicle safety system. An autonomous vehicle Bluetooth receiver is connected in a signal transmitting fashion to the engine control unit of an autonomous vehicle. Upon receiving a signal from a remote Bluetooth transmitter at a predefined proximity distance between the transmitter and the receiver, a microcontroller connected to the receiver actuates a relay switch disabling the engine control unit. The engine control unit may then also engage the vehicle breaks, lock the steering in place, and only after not receiving a proximal Bluetooth signal for a particular time span, enable again the autonomous vehicle operating mode.



21: 2023/09330. 22: 2023/10/05. 43: 2024/04/10

51: G01N

71: LABOR BERLIN - CHARITÉ VIVANTES SERVICES GMBH

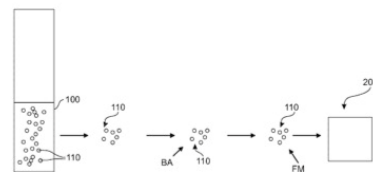
72: MANTEI, Andrej, MEISEL, Christian, MEYER, Tim, SCHEFFOLD, Alexander

33: DE 31: 10 2021 203 480.2 32: 2021-04-08

54: METHOD FOR ANALYZING A BLOOD SAMPLE FOR A DISEASE

00: -

The present invention relates to a method for analysing a blood sample from a human for a disease, especially a bacteria-based disease, comprising: stimulating provided cells from the blood sample with bacterial antigens to induce at least one presence marker on T cells of the provided cells, labelling at least one of the induced presence markers on T cells in the provided cells, which presence marker is specifically formed on T cells which recognised bacterial antigen during the stimulation, labelling a first status marker and a further status marker on T cells in the provided cells that are specific for the activation status thereof, said status markers differing from one another and from the presence marker, evaluating a first labelling result of the labelling steps by analysis of the frequency of T cells having a labelled first status marker and a labelled presence marker based on a reference value and making a comparison with a first combination limit, evaluating at least one further labelling result of the labelling steps by analysis of the frequency of T cells having a labelled further status marker and a labelled presence marker based on a reference value and making a comparison with a further combination limit, forming an overall result from the evaluated labelling results and comparing the overall result with an overall limit.



21: 2023/09337. 22: 2023/10/06. 43: 2024/04/17

51: C09B

71: Dr. Amrish Singh, Dr. Yuanhua Lin, Mrs. Shivani Singh

72: Dr. Amrish Singh, Dr. Yuanhua Lin, Mrs. Shivani Singh

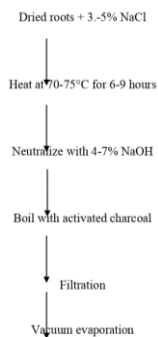
33: IN 31: 202331063421 32: 2023-09-21

54: A NOVEL COMPOSITION FOR CORROSION CONTROL AND PROCESS THEREOFF

00: -

The present invention is a anti corrosion compositions comprising environment-friendly corrosion inhibitor for carbon steels in 3-5% NaCl

containing carbon dioxide. Berberine - IUPAC name (5,6-dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium) is the main compound of *Coptis chinensis* as corrosion inhibitor along with solvents and preservatives. The paint or spray prepared using said process is more economic, environment friendly and sustainable. The said technology can be used on any metal as chosen from aluminium, copper, iron, brass, steel in pure or mixed form.

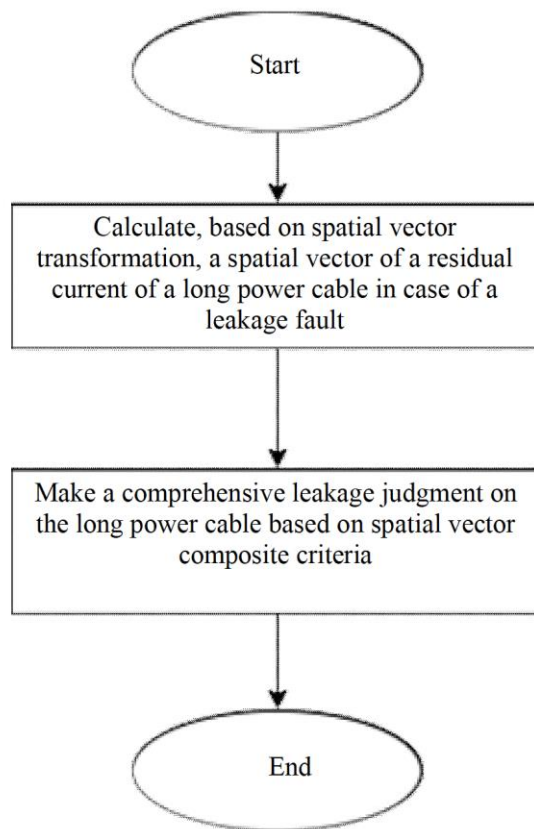


21: 2023/09339. 22: 2023/10/06. 43: 2024/04/10
 51: G01R; G06F
 71: State Grid Nanjing Power Supply Company
 72: Hao CHEN, HaoYuan SHA, Tao TIAN, HongHua XU, XiaoMing PAN, QiLong QIAN, ShenZhe WANG, Chao XU

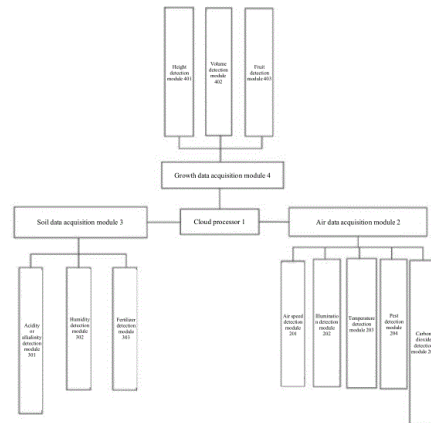
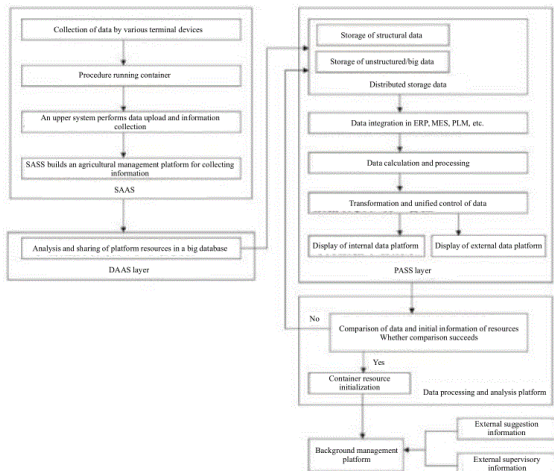
33: CN 31: 202211286907.X 32: 2022-10-20
54: LEAKAGE MONITORING METHOD AND SYSTEM FOR POWER CABLES OF SUBSTATIONS

00: -
 Disclosed are a leakage monitoring method and system for power cables of substations. A residual current difference calculation method based on spatial vector transformation is proposed to omit the data preprocessing step for synchronizing signals at two ends under the premise of guaranteeing the calculation accuracy. Then, a leakage fault type determination mechanism for long power cables based on monitored residual currents of two ends and a monitored single-phase leakage current is constructed, and the leakages state and type of the cables can be diagnosed accurately based on three indicators, which are the difference between the residual currents, the single-phase leakage current, and the change rate of the radius of a spatial vector circle. The effectiveness and superiority of the method are verified by means of simulated and

measured data, and the method of the invention is helpful to leakage fault analysis of relevant equipment of high-voltage substations.



21: 2023/09390. 22: 2023/10/09. 43: 2024/04/09
 51: G06Q
 71: My field (Hainan) Agricultural information Technology Co., LTD
 72: Meng Ke, Jinling Wu
54: AGRICULTURAL BIG DATA SERVICE SYSTEM BUILT UPON INTERNET TECHNOLOGY
 00: -
 Disclosed is an agricultural big data service system built upon an Internet technology. The present disclosure performs unified collection, building and analysis of internal and external big data over Internet, making the Internet big data-based service system available in the prediction of agricultural industry. This holds a significant importance in comprehending the inherent interactions and patterns of agricultural information.



21: 2023/09391. 22: 2023/10/09. 43: 2024/04/09
51: G06K

71: My field (Hainan) Agricultural information Technology Co., LTD
72: Meng Ke, Jinling Wu

54: CROP GROWTH ENVIRONMENT BIG DATA ANALYSIS SYSTEM AND METHOD

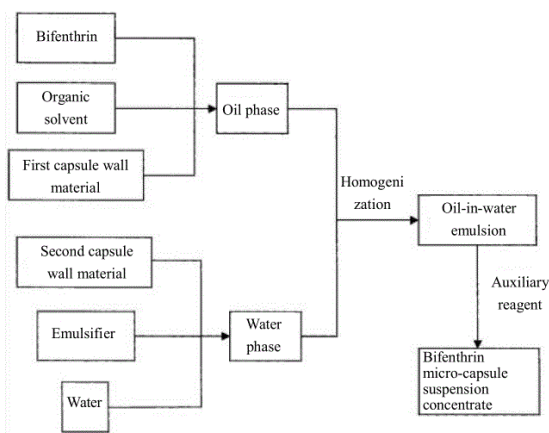
00: -
The present disclosure discloses a crop growth environment big data analysis system and method, and belongs to the technical field of agriculture. The crop growth environment big data analysis system, includes a plurality of test fields and detection devices arranged in the test fields. The test field includes a natural growth group and a plurality of control groups. Crops in the natural growth group are exposed to a natural environment, and only a variable changes in crop growth environments in the control groups compared with the natural growth group. The control groups include fertilizer control groups, illumination control groups and temperature control groups. Only a use amount and use time of fertilizer change in the fertilizer control groups, only illumination duration and intensity change in the illumination control groups, and only an environmental temperature of crops changes in the temperature control groups. The present disclosure provides the system to analyze the most important environmental factors required by different crops.

21: 2023/09392. 22: 2023/10/09. 43: 2024/04/09
51: A01N

71: My field (Hainan) Agricultural information Technology Co., LTD
72: Meng Ke, Jinling Wu

54: SEED ADJUVANT AND PREPARATION METHOD AND APPLICATION THEREOF

00: -
The present disclosure discloses a seed adjuvant. Bifenthrin and clothianidin are adopted as active ingredients, the bifenthrin exists in a form of a bifenthrin micro-capsule suspension concentrate, and the clothianidin exists in a form of a clothianidin suspension concentrate. According to the present disclosure, the bifenthrin and the clothianidin are compounded and combined, so as to achieve a high synergistic interaction effect, no adverse effect is generated on peanut seed germination, seedling emergence and seedling growth, and the seed adjuvant is safe and environmentally friendly.



21: 2023/09393. 22: 2023/10/09. 43: 2024/04/10
51: A01G

71: ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES

72: YAN, Binjie, HE, Xinchun, ZHAO, Limei

54: POTATO BREEDING SUBSTRATE AND PREPARATION METHOD THEREFOR

00: -

Disclosed is a potato breeding substrate and a preparation method therefor including the following raw materials in parts by weight: 45-55 parts of red sands, 45-55 parts of green sands, 5-15 parts of decomposed sheep manure, and 0.01-0.1 part of a fungicide. The method specifically includes the following steps: uniformly mixing 45-55 parts of the red sands, 45-55 parts of the green sands, 5-15 parts of the decomposed sheep manure, and 0.01-0.1 part of the fungicide by weight to obtain the potato breeding substrate. By using the red and green sands with low cost and wide sources as main raw materials of the potato breeding substrate, and adding the decomposed sheep manure, as an organic fertilizer, and the fungicide therein, the method has the characteristics of low cost, convenience in operation, simple process and easy preparation, and has a good survival rate of cutting, thereby being suitable for large-scale promotion.

21: 2023/09394. 22: 2023/10/09. 43: 2024/04/10
51: A01G

71: ZHANGYE ACADEMY OF AGRICULTURAL SCIENCES

72: YAN, Binjie, HE, Xinchun, ZHAO, Limei

54: SUGAR BEET AND PLANTING METHOD THEREOF

00: -

The present invention discloses a sugar beet and a planting method thereof, and mainly relates to the field of planting. The method specifically includes the following steps: (1) selecting a planting field for the sugar beet; (2) performing fertilizer application, land preparation and film mulching before planting; (3) firstly planting female parents and then planting male parents; and (4) performing field management. The present invention significantly increases the seed setting rate and the yield of the sugar beet and then increases the economic benefit of the sugar beet through scientific land selection, fertilizer application, land preparation, a film mulching technology before planting, a special cultivation method and a reasonable field management way, thereby having

important application value and broad development prospects.

21: 2023/09395. 22: 2023/10/09. 43: 2024/04/10
51: C11D

71: CHINA ACADEMY OF MACHINERY WUHAN RESEARCH INSTITUTE OF MATERIALS PROTECTION CO., LTD.

72: LI, Dongdong, ZHANG, Dezhong, ZHAO, Tao, LIU, Lanxuan, WANG, Yang, LIU, Xiusheng, FU, Yu, FENG, Zenghui, QIN, Weihua, WU, Dongheng

54: PHOSPHORUS AND FLUORINE FREE CLEANING AGENT FOR ALUMINUM ALLOY, CONCENTRATE THEREOF AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a phosphorus and fluorine free cleaning agent for aluminum alloy, a concentrate thereof and a preparation method thereof comprising a solution A and a solution B which are independently packaged. The mass percentage composition of each component in A: 5%-45% of alkali, 0.1%-10% of a chelating agent, 0.01%-2% of a corrosion inhibitor, and the balance of deionized water. B: 1%-60% of a composite surfactant, 0.01%-5% of a defoamer and the balance of deionized water. A and B in an appropriate ratio is selected according to the alloy material of aluminum alloy and surface pollution to obtain the best oil removal effect and the lowest aluminum loss. Raw materials used in the present invention are green and environmentally friendly, and low in corrosion. At the same time, the cleaning agent provided by the present invention is simple, environmentally friendly, convenient and cost effective.

21: 2023/09442. 22: 2023/10/10. 43: 2024/04/10
51: A01G

71: INSTITUTE OF VEGETABLE, HAINAN ACADEMY OF AGRICULTURAL SCIENCES

72: WANG, Xiaojuan, GAO, Fanghua, LI, Xuejiao, WU, Zhuangsheng, WU, Yueyan

54: SEEDLING SUBSTRATE FOR GRAFTING CHERRY TOMATOES AND PREPARATION METHOD THEREOF

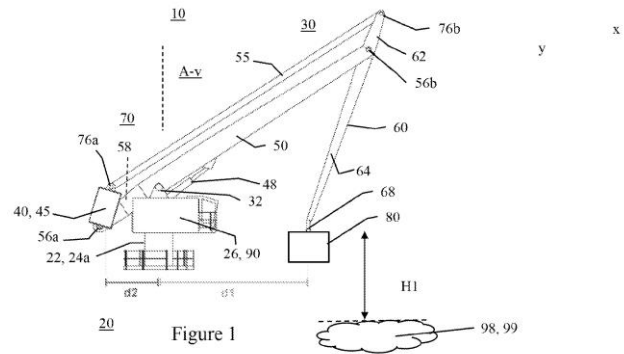
00: -

The present invention relates to a seedling substrate for grafting cherry tomatoes and a preparation method thereof. The content of each raw material component of the seedling substrate in terms of

volume ratio is: 3 to 8 parts of coconut coir, 0.2 to 5 parts of fermented mature compost, and 2 to 5 parts of perlite; where the fermented mature compost is obtained by uniformly mixing animal manure and peanut cake in a volume ratio of 1:2 to 3:1 and composting; the seedling substrate has a combination of the following physicochemical properties when in use: an organic matter content of 140 to 240 g/kg, a hydrolysable nitrogen content of 310 to 590 mg/kg, an exchangeable calcium $1/2 Ca^{2+}$ content of 7 to 10 cmol/kg; and the conductivity of the coconut coir is less than 0.5 mS/cm and the particle size range of the coconut coir is 0.3 to 0.7cm. The seedling substrate obtained by the present invention has the advantages of high substrate water holding capacity, good aeration, moderate salinity and pH, and the preparation method is logically arranged, simple in process, with low production difficulty and low production cost, making it suitable for large-scale commercial production.

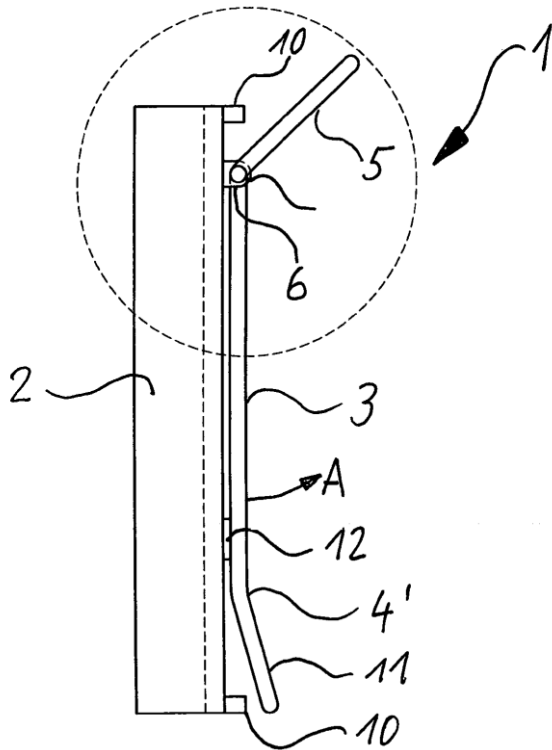
21: 2023/09453. 22: 2023/10/10. 43: 2024/04/10
 51: B66C
 71: PHOENIX SERVICES LLC
 72: OSBORNE, Bryan
 33: US 31: 17/199,038 32: 2021-03-11
54: PROCESSING SYSTEMS AND METHODS FOR STEEL-MAKING CO-PRODUCTS
 00: -

A system and method for handling slag in a slag pit includes an equilibrium or balance crane equipped with a quick connect coupling. A drop-ball fixture and drop-ball reduces the size of the slag, as needed, then the boom assembly of the crane releases the drop-ball fixture and engages an excavating tool, such as a clamshell bucket, a bucket, or a grapple. An elevated control station provides an operator with improved line-of-sight visibility.

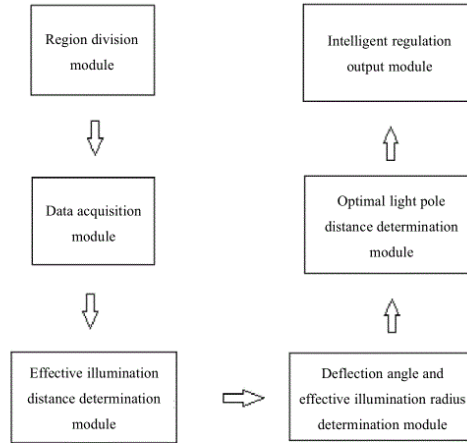


21: 2023/09459. 22: 2023/10/10. 43: 2024/04/10
 51: A47B; A47L
 71: GÖTZE, Joan
 72: GÖTZE, Joan
54: DEVICE FOR HOLDING UP UTENSILS FOR DAILY USE
 00: -

The present invention relates to a device (1) for supporting handles, rods, pipes or similar for utensils in the private or industrial field of use, for example in the home, in agriculture, in a workshop or on a road or on a building site. The device (1) consists in principle of two elements which are simple to produce, specifically a main element (2) and a support element (3), which are movably interconnected. The device (1) is detachably fastened by its main element (2) with the help of a suitable fastening means to the handle to be supported or the pipe to be supported. When used to support the handle of a utensil, the support element (3) is pivoted out by a predefined angle alpha such that the foot (9) of the support element (3) comes to a stop on the ground at least two points (13, 13').



deflection angle and effective illumination radius determination module is connected with an input end of the optimal light pole distance determination module; and an output end of the optimal light pole distance determination module is connected with an input end of the intelligent regulation output module.



21: 2023/09474. 22: 2023/10/11. 43: 2024/04/11
51: G06Q

71: My field (Hainan) Agricultural information Technology Co., LTD

72: Meng Ke, JinlingWu

54: AGRICULTURAL CONDITION MONITORING SYSTEM BASED ON INTERNET OF THINGS

00: -

The present disclosure discloses an agricultural condition monitoring system based on an Internet of Things, and relates to the technical field of agricultural condition monitoring. The system includes a region division module, a data acquisition module, an effective illumination distance determination module, a deflection angle and effective illumination radius determination module, an optimal light pole distance determination module and an intelligent regulation output module; an output end of the region division module is connected with an input end of the data acquisition module; an output end of the data acquisition module is connected with an input end of the effective illumination distance determination module; an output end of the effective illumination distance determination module is connected with an input end of the deflection angle and effective illumination radius determination module; an output end of the

21: 2023/09477. 22: 2023/10/11. 43: 2024/04/17
51: A01K

71: Shandong Institute of Pomology

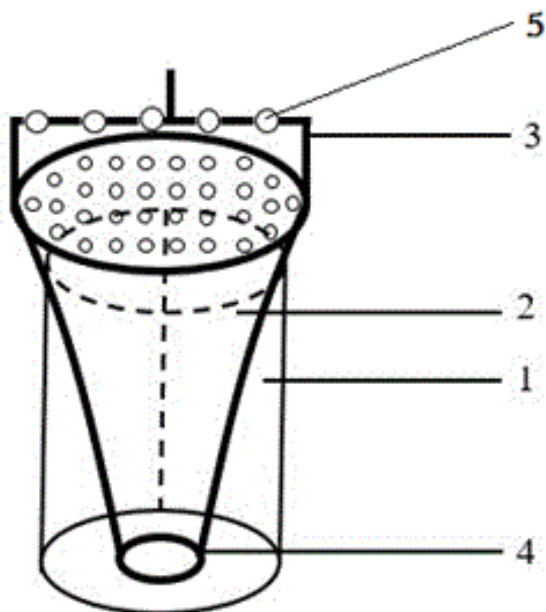
72: WU Haibin, ZHANG Yong, DONG Fang, DIAO Ligong, ZHANG Ganyu, WU Haibo, LIU Tingting, LI Yunjing

54: DEVICE AND METHOD FOR OBTAINING EACH INSECT STATE OF ATRIJUGLANS HETAOHEI YANG

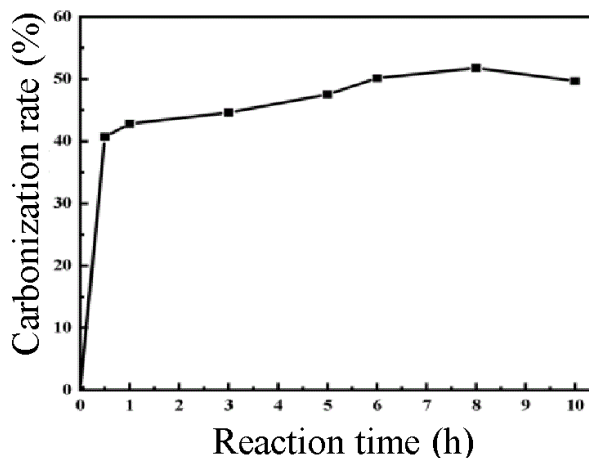
00: -

The invention relates to a device and a method for obtaining each insect state of Atrijuglans hetaohei Yang, the device includes a larva collector and an adult collecting box, where the larval collector includes a funnel-shaped insect collecting tube which is wide at the top and narrow at the bottom and penetrates up and down; a cylindrical bracket is arranged at the outer side of the insect collecting tube; the insect collecting tube is vertically placed in the bracket; a top plate is arranged at the top opening of the insect collecting tube; a plurality of insect dropping holes are formed on the top plate; and an insect receiving dish is received below the bottom opening of the insect collecting tube; the adult collecting box includes a rectangular box body, the box body is provided with a box door with a handle, a plurality of spawning racks are arranged at the bottom inside the box body, and each spawning

rack includes a supporting vertical rod, and the top of each supporting vertical rod is provided with a walnut bracket. The device of the invention has a simple structure, improves the adult emergence rate and oviposition amount while greatly reducing the time, can greatly reduce the time, and improves the adult emergence rate and oviposition amount, and has a good application prospect.



in the reaction kettle, then closing the air outlet valve and screwing the pressure reducer to pressurize the kettle until the pressure required by the test is reached, and then keeping the pressure in the kettle stable until the preset reaction time is reached at normal temperature. According to the invention, the AOD slag is carbonated by adopting a film carbonation method, and the carbonation rate of the AOD slag is controlled by adjusting parameters, so that the activity index of the AOD slag is improved; when the carbonation rate of the AOD slag reaches 34% or more, the upgraded steel slag powder is applied to cement and concrete, and the utilization value of the AOD slag is greatly increased.



21: 2023/09478. 22: 2023/10/11. 43: 2024/04/17
 51: C04B
 71: North China University Of Science And Technology
 72: Yajun Wang, Junguo Li, Yanan Zeng, Yitong Wang, Jianbao Zhang, Mengjie Tao, Xiaopei Zhang, Lijie Peng, Song Qin, Shaohua Liu

54: METHOD FOR IMPROVING ACTIVITY INDEX OF AOD STEEL SLAG POWDER

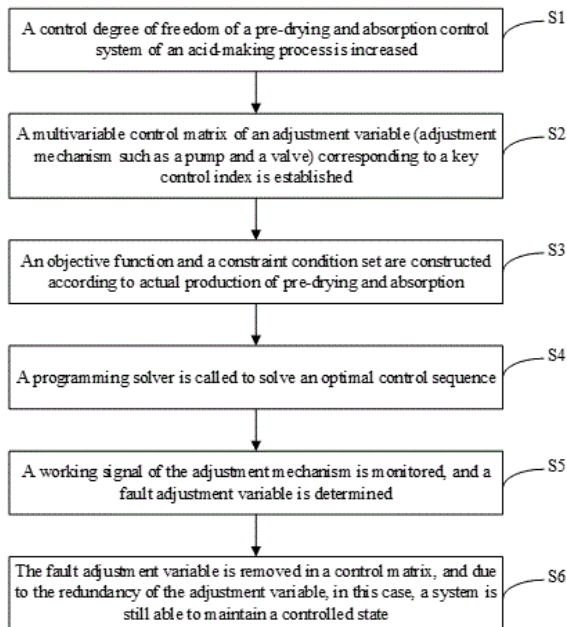
00: -
 The invention relates to the technical field of new material preparation, and discloses a method for improving activity index of AOD steel slag powder, which comprises the following steps: Step 1: firstly, pouring 250gAOD slag into a polytetrafluoroethylene reaction barrel, then adding a certain amount of deionized water to adjust the liquid-solid ratio required by the test, and evenly stirring the mixture by a stirring rod, and then putting the reaction barrel into a high-pressure reaction kettle; Step 2: secondly, introducing CO₂ into the high-pressure reaction kettle, ventilating for 30s to exhaust the air

21: 2023/09479. 22: 2023/10/11. 43: 2024/04/11
 51: G05B
 71: Yimen Copper Co., Ltd.
 72: Jiarong XIE, Tifu ZHANG, Jiayi YANG, Zhonglin YE, Peng JI, Wanyong ZHANG, Chengzhou LI, Fuquan LI

54: MULTIVARIABLE CONTROL METHOD FOR PREVENTING FLUCTUATIONS IN PRE-DRYING AND ABSORPTION OF FLUE GAS ACID-MAKING

00: -
 Disclosed in the application is a multivariable control method for preventing fluctuations in pre-drying and absorption of flue gas acid-making. In the application, after a finished acid pump trips or an acid-crossflow valve fails during a pre-drying and absorption operation process of flue gas acid-making, a system can use remaining valve acid pumps for system adjustment, such that a liquid level of a pre-drying and absorption acid-making circulation tank and finished product output are

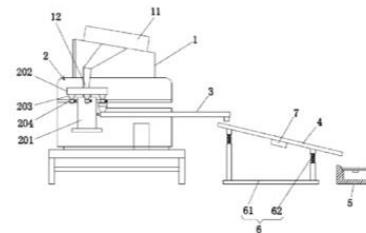
maintained to be normal, so as to maintain the stability of each key production index, thereby reducing production losses.



21: 2023/09489. 22: 2023/10/11. 43: 2024/04/11
 51: A01K
 71: TONGWEI AGRICULTURAL DEVELOPMENT CO., LTD
 72: WANG, Wugang, ZHANG, Lu, MI, Haifeng, LI, Baosheng, TENG, Tao, WEN, Yuanhong, YIN, Heng
54: FEEDING APPARATUS AND FEEDING METHOD FOR BREEDING FROGS IN PADDY FIELD

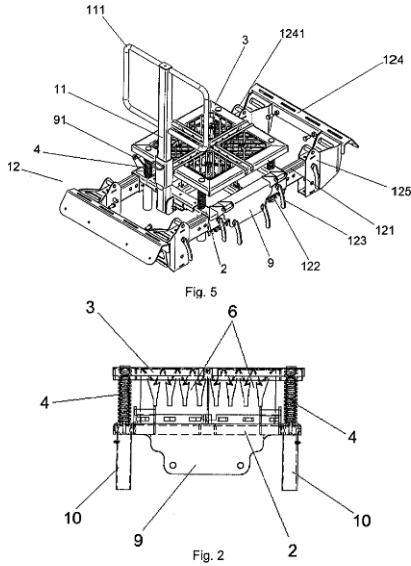
00: -
 Disclosed are a feeding apparatus and a feeding method for breeding frogs in a paddy field. The feeding apparatus includes a sheet counting machine with a first hopper-shaped loading port and at least two sets of feeding devices and feeding tables; a rotary feed distributing device is arranged below the first hopper-shaped loading port and includes at least two second hopper-shaped loading ports; and the second hopper-shaped loading ports are connected with solenoid valves, and the solenoid valves are electrically connected with a controller. The feeding method includes the steps of allowing the first hopper-shaped loading port of the sheet counting machine to continuously put feeds into the feed distributing device, the feed distributing device catching the feeds while intermittently rotating

respective second hopper-shaped loading ports; when the second hopper-shaped loading ports move to areas corresponding thereto, opening the solenoid valves so that the feeds are dropped and conveyed to the corresponding feeding tables. Based on the feeding apparatus and the feeding method for breeding frogs in a paddy field, automatic feeding may be implemented to ensure uniform distribution of feeds and efficient feeding, which results in consistent growth rates of frogs across different areas.



21: 2023/09494. 22: 2023/10/11. 43: 2024/04/11
 51: B26D; B26F; B65B
 71: AGRO BAG A/S
 72: BIRKEDAL, Mads
 33: PL 31: P.437722 32: 2021-04-28
54: BAG OPENING DEVICE
 00: -

The subject of invention is a device (1) for opening bags, in particular bags containing loose materials, consisting of sharp-pointed elements (6) mounted in at least one row and fixed on at least one profile (5), characterized in that the sharp-pointed elements (6) are shaped like an arrowhead and the ends of at least one profile (5) are in which they are embedded are attached to the perimeter of the lower frame (2) of the device (1), with a movable frame (3) placed above the lower frame (2), movably connected to the lower frame (2) by means of pins placed at the corners of the frames (2, 3) and a locking mechanism (4), and containing at least one profile (7) with a hole adapted to the dimensions of the sharp-pointed elements (6) and positioned over the profile (5) with the sharp-pointed elements (6), the device (1) further comprises handles (9) attached to the lower frame (2).



21: 2023/09496. 22: 2023/10/11. 43: 2024/04/11

51: F03D

71: MARTIN, Christopher Neill

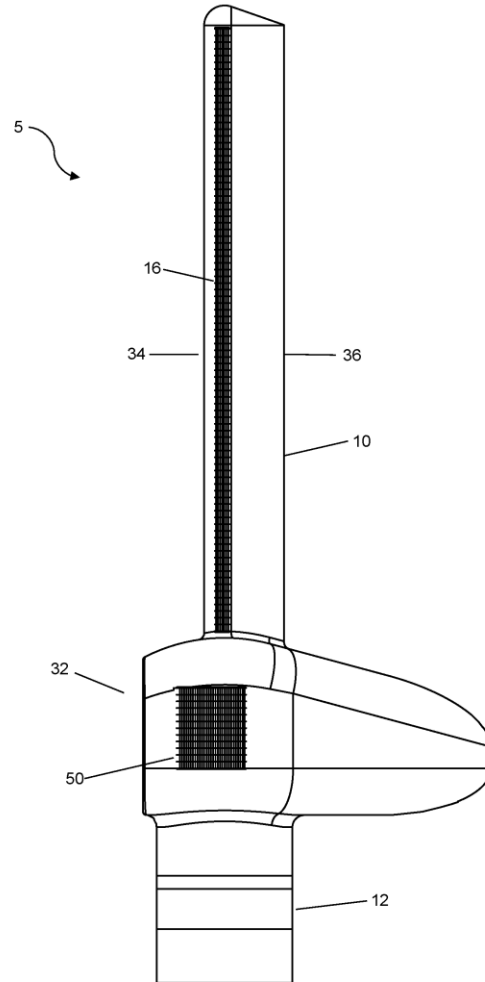
72: MARTIN, Christopher Neill

33: AU 31: 2021900711 32: 2021-03-11

54: WIND POWERED GENERATOR

00: -

A wind powered generator comprising; a mast having a plurality of tower outlets positioned along on a low pressure portion of a length of the mast; one or more inlets positioned on a high pressure portion of the mast; an internal fluid flow path between the inlet and the tower outlets; a turbine in the fluid flow path; wherein the inlet and tower outlets are arranged such that wind creates air flow through the fluid flow path for motivating a turbine.



21: 2023/09499. 22: 2023/10/11. 43: 2024/04/11

51: H01M; B82Y

71: EVOQ NANO, INC.

72: NIEDERMEYER, William

33: US 31: 17/216,996 32: 2021-03-30

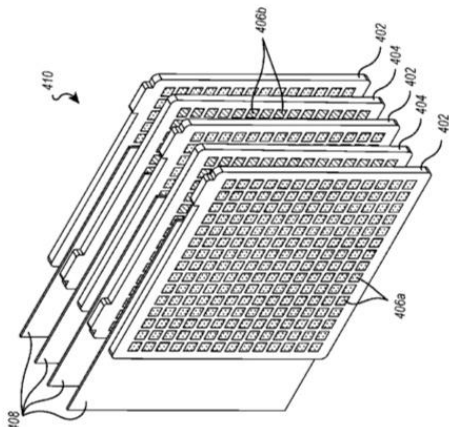
33: US 31: 63/197,605 32: 2021-06-07

54: NANOPARTICLE-ENHANCED LEAD-ACID ELECTRODE PASTE AND IMPROVED LEAD-ACID BATTERIES MADE THEREFROM

00: -

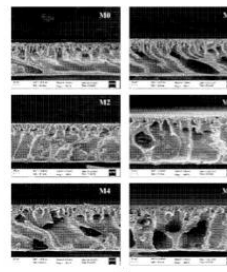
This disclosure relates to improved electrode pastes that include a carrier, basic lead sulfate compounds, and ground state metal nanoparticles formed by laser ablation (e.g., spherical-shaped nanoparticles). Improved lead-acid batteries can be made using improved electrode pastes that include a carrier, basic lead sulfate compounds, and ground state metal nanoparticles formed by laser ablation. Methods for manufacturing lead-acid batteries of improved performance include applying an improved

electrode paste to a least a portion of the positive and/or negative electrodes, placing the electrodes in a container, and placing an electrolyte in contact with the electrodes. The metal nanoparticles may comprise or consist of gold. The metal nanoparticles may be spherical-shaped and/or coral-shaped.



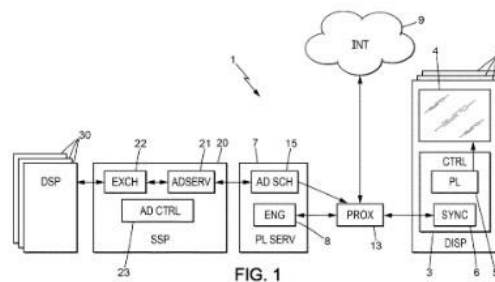
21: 2023/09522. 22: 2023/10/11. 43: 2024/04/11
 51: B01D; C02F
 71: BEIJING INSTITUTE OF TECHNOLOGY
 72: WANG, Tao, ZHANG, Luyao, ZHENG, Xi, ZHAO, Zhenzhen, ZHAO, Zhiping
 33: CN 31: 202111082594.1 32: 2021-09-15
54: MODIFIED POLY (M-PHENYLENE ISOPHTHALAMIDE) ULTRAFILTRATION MEMBRANE, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF

00: -
 The present invention discloses a modified Poly (m-phenylene isophthalamide) ultrafiltration membrane as well as a preparation method and application thereof. The ultrafiltration membrane is prepared by using an amphiphilic block copolymer as an additive and adopting a non-solvent induced phase separation method, and the membrane has a uniform, smooth and porous surface morphology, and is a novel ultrafiltration membrane, the additive can effectively increase the pore size and surface porosity, the connectivity among the pores is enhanced, the ultrafiltration membrane is endowed with higher interception capacity and permeance. Through verification, the rejection rate of pollutants (such as BSA solution) is maintained above 90%, and a good practical application prospect is displayed.



21: 2023/09524. 22: 2023/10/11. 43: 2024/04/11
 51: G06Q
 71: JCDECAUX SE
 72: BIDARD, Loïc
 33: FR 31: FR2103617 32: 2021-04-08
54: DIGITAL DISPLAY METHOD AND SYSTEM FOR OUTDOOR ADVERTISING

00: -
 The invention relates to a display method comprising the steps of: - generating, by a playlist-generating platform (7), playlists intended for digital display devices (2), the playlists having open time slots; - synchronizing the digital display devices with the playlist-generating platform; - for each open time slot of each playlist, corresponding to a digital display device, sending of a content request, by the playlist-generating platform, to an advertising space sales programming platform (20), the programming platform being suitable for initiating a corresponding bidding process and for sending back, to the playlist-generating platform, information corresponding to a content that won the bidding process; - by way of the playlist-generating platform, informing the digital display device corresponding to the open time slot of the content that won the bidding process.



21: 2023/09525. 22: 2023/10/11. 43: 2024/04/11
 51: A62C
 71: REACTON FIRE SUPPRESSION LIMITED
 72: KOUTSOS, Theodoros
 33: EP 31: 21386024.0 32: 2021-04-08
 33: GB 31: 2107554.4 32: 2021-05-27

54: GAS-OPERATED VALVE

00: -

The present invention relates to a gas-operated valve for use in a fire suppression system, a fire suppression system comprising the gas-operated valve of the invention, and a method for operating the fire suppression system of the invention.

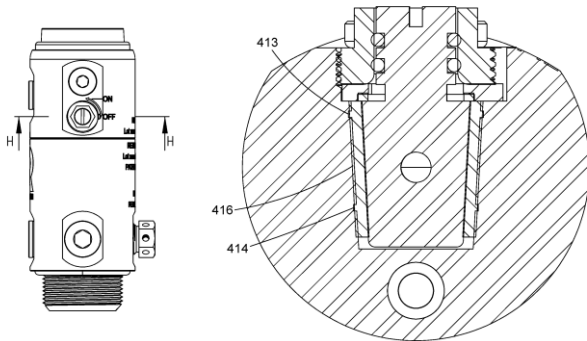


FIG. 4c

FIG. 4d

21: 2023/09548. 22: 2023/10/12. 43: 2024/05/16
51: G06N

71: Huaneng Chongqing Liangjiang Gas Turbine Power Generation Co. LTD

72: ZHAO wenbo, ZHOU gang, XU ke, DENG yuehui, WU changbing, ZHANG wei, XIANG dong, LIU jing, SU lin, ZHANG chenyu, ZHANG shuang, KANG qian, SHI can, FENG pengyu, ZHANG dayong, CHEN binghong, LI tao

33: CN 31: 2022116244481 32: 2022-12-16

54: A SYSTEM FOR RECOGNIZING UNSAFE BEHAVIORS IN INDUSTRIAL WORKPLACES BASED ON IMAGE RECOGNITION TECHNOLOGY

00: -

This invention proposes an industrial workplace unsafe behavior recognition system based on image recognition technology. It comprises four layers: the device layer, data layer, management layer, and communication layer. The device layer, data layer, and management layer are connected through the communication layer. The device layer includes an image capture module, information transmission module, and control terminal. The data layer includes a regional database and a cloud database. The management layer consists of personnel management module, equipment management module, and communication management module. The communication layer comprises 4G communication module, 5G communication module, and wireless communication module. In this

invention, the information transmission module is bound to each staff member, and then, through the use of image recognition technology via the image capture module, it collects the working image data of staff members and identifies them. When an unsafe behavior occurs, it can provide targeted voice alerts through the corresponding staff member's information transmission module, making it convenient for staff members to correct their behavior.

21: 2023/09549. 22: 2023/10/12. 43: 2024/04/12
51: E04B

71: USG INTERIORS, LLC

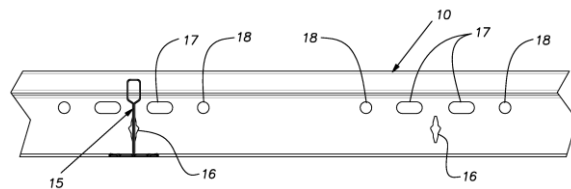
72: GULBRANDSEN, Peder J., MATHIOT, Nathan, O'DONNELL, Michael P.

33: US 31: 17/227,891 32: 2021-04-12

54: CEILING GRID HANGER HOLES

00: -

A main tee for a suspended ceiling formed of metal sheet and having an upper reinforcing bulb, a lower flange and a web between the bulb and flange, the web having evenly spaced, generally vertical cross tee receiving slots along a length of the tee and a series of suspension wire receiving holes along the length of the tee, the lowermost edges of the holes being above a highest extremity of the cross tee slots.



21: 2023/09579. 22: 2023/10/13. 43: 2024/04/15
51: A01G

71: Hainan University

72: Minjie QIAN, Chengkun YANG, Qin DENG, Wencan ZHU, Xiaowen WANG, Kaibing ZHOU

33: CN 31: 202311167412X 32: 2023-09-12

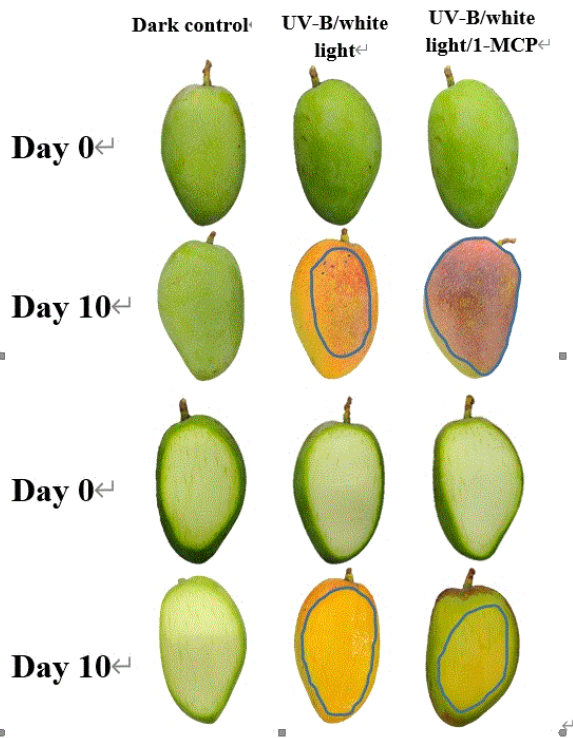
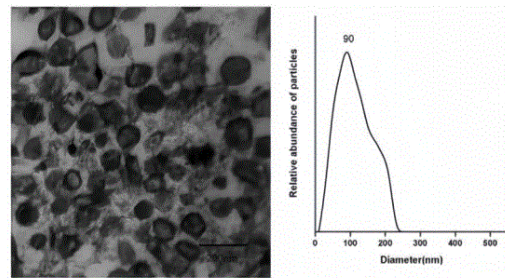
54: POSTHARVEST METHOD FOR SIMULTANEOUSLY INDUCING PIGMENT ACCUMULATION IN PEEL AND PULP OF MANGOES

00: -

The present invention provides a postharvest method for simultaneously inducing pigment accumulation in peel and pulp of mangoes. Environmental conditions for inducing coloring are

as follows: temperature is 15-20 C, relative humidity is 70%-90%, UV-B light intensity is 14.5-17.0 micro W•cm-2, and white light intensity is 9,000 -11,000 Lux. According to the method of the present invention, uncolored mangoes harvested in a green mature stage are placed under environmental conditions with specific temperature, humidity and light, and accumulation of anthocyanin in peel and carotenoid in pulp can be effectively induced by continuously treating the mangoes for a period of time, so that coloring of the peel and the pulp is promoted, and the appearance quality, nutritional quality and commodity of the mangoes are improved. The method of the present invention is reasonable in design, easy and convenient to operate, safe and effective, has relatively low requirements on equipment, and is capable of realizing large-scale operation and capable of being demonstrated, popularized and applied in commercial production.

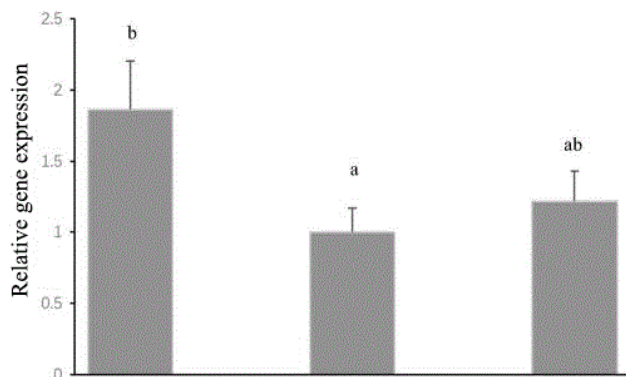
The present invention belongs to the field of immunization, and particularly relates to a method for preparing Langerhans cell-derived exosomes (Lexos), including resuspending human peripheral blood mononuclear cells (PBMCs) with a complete RPMI-1640 medium, adding cytokines rhGM-CSF for culturing after adjusting a cell number, performing hypoxia intervention during the culturing to obtain a culture solution, and extracting the culture solution to obtain the Lexos. The method described in the present invention can be used to prepare the Lexos with high purity, which can effectively enhance the immune reaction of T cells.



21: 2023/09581. 22: 2023/10/13. 43: 2024/04/15
 51: C12N
 71: Institute of Animal Husbandry, Henan Academy of Agricultural Sciences
 72: ZHANG Jiaqing, LV Lingyan, XING Baosong, WANG Xianwei, YAN Xiangzhou, LIU Hongbo, LU Qingxia, SHEN Ming, REN Qiaoling
54: METHOD FOR IMPROVING IN VITRO MATURATION AND DEVELOPMENT RATE OF PORCINE OOCYTES

00: -
 The invention discloses a method for improving the in vitro maturation and development rate of porcine oocytes, in particular to a method for improving the in vitro maturation and development rate of porcine oocytes by using melatonin receptor agonist agomelatine, which significantly improves the expansion of porcine cumulus cells, IVM, gene expression related to oocyte development and parthenogenetic embryo development ability.

21: 2023/09580. 22: 2023/10/13. 43: 2024/04/15
 51: A61P
 71: Jiangsu Vocational College of Medicine
 72: GE, Anxing
54: METHOD FOR PREPARING LANGERHANS CELL-DERIVED EXOSOMES
 00: -



21: 2023/09582. 22: 2023/10/13. 43: 2024/04/22

51: B64C

71: AVIOR LABS PROPRIETARY LIMITED

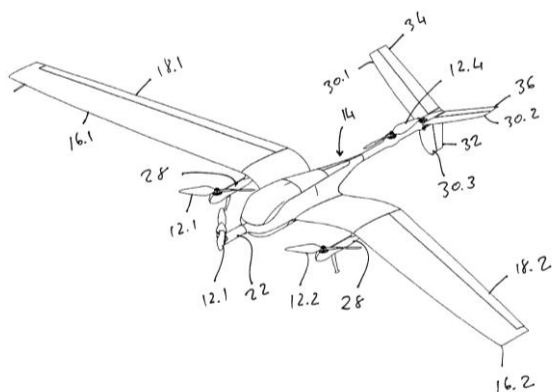
72: BROUGHTON, Benjamin, Albert,
PADAYACHEE, Kreeelan

33: ZA 31: 2022/06598 32: 2022-07-15

54: VERTICAL TAKE-OFF AND LANDING AERIAL VEHICLE

00: -

An aerial vehicle which includes a plurality of propellers arranged in a spaced apart relationship about a centre of gravity (CG)/ centre of mass region of the aerial vehicle, the plurality of propellers further including a leading propeller pivotally mounted about a leading end portion of a fuselage of the aerial vehicle, configured to orientate between a general vertical and general horizontal orientation for facilitating vertical and forward flight, respectively.



21: 2023/09583. 22: 2023/10/13. 43: 2024/04/15

51: D01F

71: SHANDONG CHENYANG NEW CARBON MATERIALS RESEARCH INSTITUTE CO., LTD,
JINING KENENG NEW CARBON MATERIAL TECHNOLOGY CO., LTD

72: ZHANG, Haixia, YAN, Guilin, ZHANG, Lin, YAO, Degang, FENG, Guangqiang, YAN, Ping, YU, Ping

33: CN 31: 2023105163343 32: 2023-05-09

54: PRODUCTION METHOD OF COAL PITCH BASED MELT-BLOWN CARBON FIBERS

00: -

The present invention discloses a production method of coal pitch based melt-blown carbon fibers, and belongs to the field of preparation of novel carbon materials, specifically comprising: heating coal spinning pitch as a raw material by a screw machine, treating by a spinneret plate under the action of gravity and micro-positive pressure to obtain a melt-blown carbon fiber precursor, and then oxidizing and carbonizing to finally prepare the coal pitch based melt-blown carbon fibers. The production method has simple production process and low cost, and the prepared melt-blown carbon fibers have stable and excellent physical, chemical and mechanical properties.

21: 2023/09584. 22: 2023/10/13. 43: 2024/04/15

51: C10C

71: SHANDONG CHENYANG NEW CARBON MATERIALS RESEARCH INSTITUTE CO., LTD,
JINING KENENG NEW CARBON MATERIAL TECHNOLOGY CO., LTD

72: ZHANG, Lin, ZHANG, Haixia, YAN, Guilin,
FENG, Guangqiang, YAN, Ping, YU, Ping

33: CN 31: 2023104794682 32: 2023-04-28

54: QUENCHING AND TEMPERING METHOD FOR NAPHTHALENE MESOPHASE PITCH

00: -

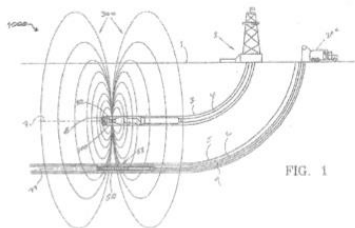
The present invention discloses a quenching and tempering method for naphthalene mesophase pitch, specifically comprising the following steps: (1) taking a volatile content index of naphthalene mesophase pitch as a target value, and conducting weighted average calculation of volatile content of multiple batches of naphthalene mesophase pitch to obtain final theoretical volatile content after quenching and tempering; (2) mixing multiple batches of naphthalene mesophase pitch by mass according to the theoretical volatile content, and breaking to obtain the broken naphthalene mesophase pitch; (3) adding the broken naphthalene mesophase pitch to a polymerization kettle, slowly heating up to a melting temperature, starting stirring until fully stirred evenly, purging gas at the bottom to remove a small amount of light components, and discharging to obtain naphthalene mesophase pitch quenched and tempered stably.

21: 2023/09589. 22: 2023/10/13. 43: 2024/04/15
51: E21B

71: VECTOR MAGNETICS LLC
72: GARCIA, Mariano, KUCKES, Arthur F,
THOMPSON, Morgan

54: A DOWNHOLE ASSEMBLY WITH SPRING ISOLATION FILTER

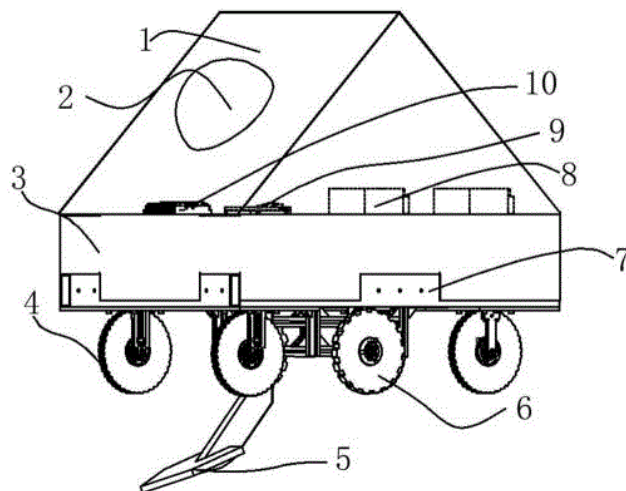
00: -
The present invention is directed to an apparatus for use on a structural member having a longitudinal axis, the structural member being configured to propagate stress wave energy in an operational state, the stress wave energy being characterized by an operational frequency spectrum. The apparatus has a housing assembly including a first end, a second end, and one or more protective enclosures configured to accommodate one or more devices. The housing assembly is configured to be rotationally registered to the structural member when coupled to the structural member, and is characterized by a predetermined housing mass. A spring arrangement is coupled between the structural member and the first end and/or coupled between the structural member and the second end in the operational state. The spring arrangement is characterized by a predetermined force-displacement relationship. The housing assembly and the spring arrangement form an isolation filter characterized by a predetermined spectral transfer function, the predetermined spectral transfer function being a function of the predetermined housing mass and the predetermined force-displacement relationship. The predetermined spectral transfer function includes a passband having frequencies that are substantially outside the operational frequency spectrum wherein the stress wave energy is substantially attenuated in the operational state so that the housing member is substantially isolated from the stress wave energy.



21: 2023/09625. 22: 2023/10/16. 43: 2024/04/17
51: A01B
71: JILIN AGRICULTURAL UNIVERSITY
72: SONG Wei, REN Lili, MA Yunhai, WANG Jingli,
WANG Liyan

54: INTELLIGENT ROBOT CAPABLE OF CARRYING OUT SOIL OPERATION AND CONTROL METHOD THEREOF

00: -
The invention discloses an intelligent robot capable of carrying out soil operation and a control method thereof. The intelligent robot has high working stability and strong adaptability, and can be used by multiple devices in linkage. Due to the light weight of the devices, it can avoid plowing soil caused by large-scale agricultural equipment during field operation at present. According to the invention, a power unit driven by a motor is adopted, and an auxiliary power system is equipped for improving efficiency and power; the working area is identified by a detection mechanism; the identified information is processed by a control motherboard, and the operation steps and paths are independently formulated; and the farming components have a lifting function, which is beneficial to energy saving. At the same time, the device can also be controlled by wireless signals through the remote end. At the same time, the intelligent robot provided by the invention can automatically compile the cultivation path and identify obstacles, and has outstanding advantages in high automation and intelligence and small plots where large machinery cannot work. According to the invention, farmers are greatly liberated from being bound by farming machinery, and complicated operation is not required.



21: 2023/09626. 22: 2023/10/16. 43: 2024/04/17
51: C09D

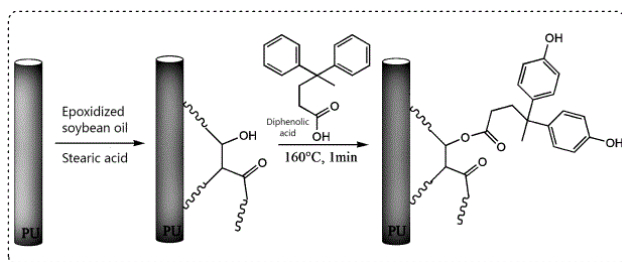
71: Anhui Polytechnic University

72: Qingbo XU, Jingchao WANG, Peng WANG,
Zhenzhen XU

**54: A KIND OF ANTI-BACTERIAL, ANTI-VIRAL
AND ANTI-FOULING POLYURETHANE
MATERIAL AND ITS PREPARATION METHOD
AND APPLICATION**

00: -

The invention relates to a kind of antibacterial, antiviral and antifouling polyurethane material for automobile interior decoration, wherein the bacteria anti-virus and anti-fouling polyurethane material for automobile interior decoration is coated with anti-bacterial anti-virus and anti-fouling reagent. The anti-fouling coating in the anti-bacterial, anti-viral and anti-fouling coating is cured epoxy soybean oil and stearic acid. The anti-bacterial and anti-viral coating in the anti-bacterial and anti-viral anti-fouling coating is bisphenol acid. The anti-fouling coating in the anti-fouling, anti-bacterial and anti-viral coating of polyurethane material for automobile interior decoration has excellent antifouling performance for juice, milk, smoke and dust commonly used in daily life. The anti-bacterial and anti-virus coating in the anti-fouling, anti-bacterial and anti-virus coating of polyurethane materials for anti-bacterial, anti-viral and anti-fouling automotive interiors not only has excellent antibacterial properties against *Escherichia coli* and *Staphylococcus aureus*, but also has excellent antiviral properties against viruses such as phages. The anti-bacterial, anti-viral and anti-fouling polyurethane material for automobile interior decoration described in the present invention has high anti-fouling, anti-bacterial and anti-viral capabilities, and it is mild and non-irritating to the user's skin and has higher security.



21: 2023/09627. 22: 2023/10/16. 43: 2024/04/17
51: A61K; A61P

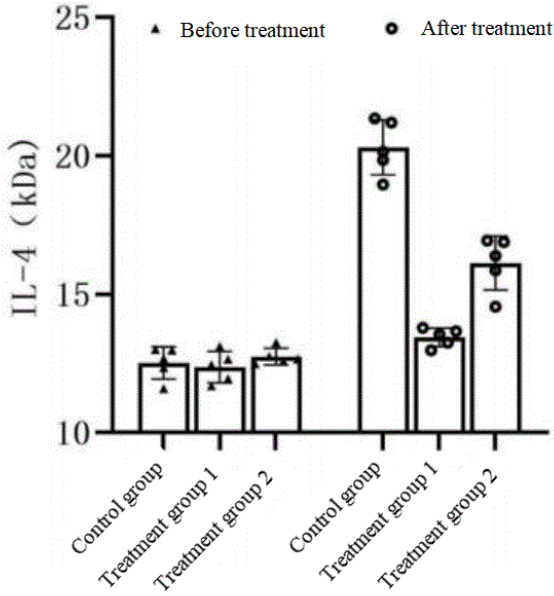
71: Shaanxi University of Chinese Medicine
72: Jiehong Wang, Zihui Sha, Yanyan Yang, Li Li,
Heng Mu, Jinzhi You, Fangfang Liu, Lizhi Zhao,
Yongpan Xu

33: CN 31: 202211317914.1 32: 2022-10-26

**54: PHARMACEUTICAL COMPOSITION FOR
TREATING CHORONIC GASTRITIS AND A
PREPARATION METHOD THEREOF**

00: -

The invention discloses a pharmaceutical composition for treating chronic gastritis and a preparation method thereof in the technical field of traditional Chinese medicine composition, comprising 5-15 parts of radix pseudostellariae, 3-15 parts of ophiopogon japonicus, 3-15 parts of radix scrophulariae, 3-15 parts of radix trichosanthis, 6-30 parts of raw radix paeoniae alba, 3-15 parts of cyperus rotundus, 1-8 parts of bupleuri radix, 1-8 parts of perilla leaf, 1-8 parts of dried orange peel, 1-5 parts of licorice, 0.1-0.5 parts of tetrahydropalmatine, 0.1-0.5 parts of gallic acid, 0.05-0.1 parts of coniferyl ferulate, 0.02-0.08 parts of sinapinic acid, and 0.2-0.6 parts of resveratrol. Based on the principle of Monarch, Minister, Assistant and Guide in traditional Chinese medicine, the invention has reasonable compatibility, and reasonable and concise composition; the use of traditional Chinese medicine and function-promoting additive produce synergistic effect, improve the therapeutic effect, and maximize the effect of composites, solving the problem of undesirable therapeutic effect of traditional Chinese medicine; the medicine prepared by the method of the invention can be used to treat chronic gastritis and address both symptoms and root causes, safe and reliable, without any toxic side effects, featuring remarkable effect and low recurrence rate.



21: 2023/09628. 22: 2023/10/16. 43: 2024/04/17
51: A63F

71: Habanero Systems Limited
72: Nickolas IOANNOY

54: A GAMING SYSTEM

00: -
ABSTRACT A jackpot race component for a gaming system operated by an operator and played by a plurality of players, the jackpot race component including: (i) a first period having start and end times configured by the operator, the first period setting the start and latest end times of a race phase; (ii) a second period configured by the operator for (i) initiating an accumulation phase during which a jackpot prize pot is accumulated, the accumulation phase starting at the same time as or after the beginning of the race phase, and/or (ii) setting a fixed jackpot prize pot; (iii) a random timer, the random timer configured to start timing at the same time as or after the first period at the start of the race phase and randomly trigger an end to the race phase before the latest end time set by the operator in the first period, and (iv) a pay-out phase occurring after the end of the race phase and configured by the operator to assign positions to the players at the end of the race phase and pay-out one or more prizes from the jackpot prize pot according to a predetermined pay-out schedule.



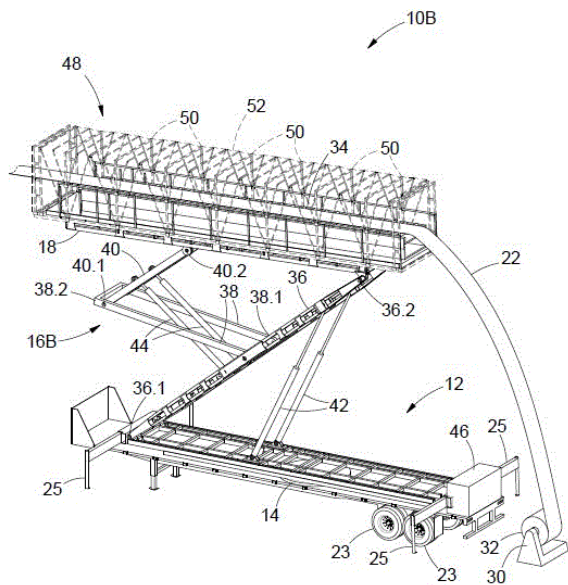
21: 2023/09629. 22: 2023/10/16. 43: 2024/04/17
51: B21D; E04D

71: SAFINTRA SOUTH AFRICA (PTY) LTD
72: JACKSON, Justin, BENECKE, Marnitz, PILLAY, Adrian, BIRCHAM, John, ESTERHUYSE, Hendrik, KOCH, Mark

33: ZA 31: 2022/07863 32: 2022-07-15

54: SHEET FORMING SYSTEM AND METHOD

00: -
This invention relates to a sheet forming system 10 that comprises a mobile base 12, a collapsible arrangement 16 mounted on the mobile base 12, and a decoiler and sheet forming assembly 20 secured on the collapsible arrangement 16 for producing a formed sheet 22. The collapsible arrangement 16 is displaceable C between a collapsed configuration and an extended configuration along a vertical axis B.



21: 2023/09631. 22: 2023/10/16. 43: 2024/04/17
51: F16D; G01M

71: NO.703 Research Institute of CSSC

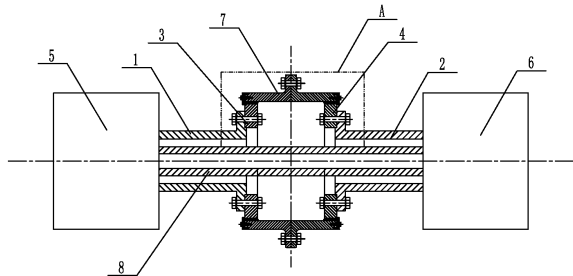
72: JIANG, Lidong, FU, Lin, CHANG, Shan

33: CN 31: 202310576308.X 32: 2023-05-22

54: COUPLING DEVICE BETWEEN A TEST BOX AND A COMPANION TEST BOX FOR BACK-TO-BACK PLANETARY TESTING

00: -

A coupling device between a test box and a companion test box for back-to-back planetary testing to solve the problem of axial displacement and motion in the connecting structure of the existing back-to-back planetary test bench, which comprises a first output flange having one end connected to a test planetary gearbox, a second output flange having one end connected to a companion planetary gearbox, a first transition coupling gear connected to another end of the first output flange, a second transition coupling gear connected to another end of the second output flange, a toothed flange coupled to the first transition coupling gear and the second transition coupling gear, an axial limiting unit installed on the left and right sides of the toothed flange and extends towards the axis of the transmission shaft, and an axial compensation groove formed on an inner sidewall of the axial limiting unit.



21: 2023/09637. 22: 2023/10/16. 43: 2024/05/16
51: A61K; A61P

71: WEST ANHUI UNIVERSITY

72: DUAN, Ranzheng, SU, Ting, DUAN, Ranbin, REN, Anni

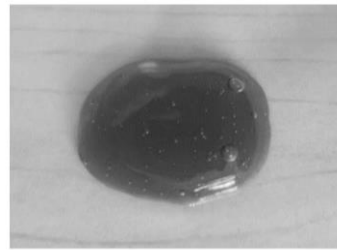
33: CN 31: 202310811875.9 32: 2023-07-04

54: TCM GEL AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention relates to the technical field of TCM preparations, and particularly relates to a TCM gel and a preparation method and application thereof. The aqueous extract of TCM obtained by

using lithospermum, peony bark, radix sophorae flavescens, oldenlandia diffusa, and honeysuckle as raw materials, has curative effects of clearing heat and detoxicating, cooling blood and promoting eruption, and being anti-inflammatory and antipruritic, and can be used to relieve pruritus and other symptoms; and the TCM gel obtained by mixing an appropriate amount of carbomer 940, propylene glycol, triethanolamine, and the preservative, is made up of uniform and fine particles, and is easily spread and applied evenly, which is characterized by moderate viscosity, moderate fluidity, good anti-inflammatory and antipruritic activity, no toxicity, no skin irritation, and long drug action



21: 2023/09662. 22: 2023/10/17. 43: 2024/04/17
51: H01H

71: Beijing Qingchang Power Technology Co., Ltd, North China Electric Power University

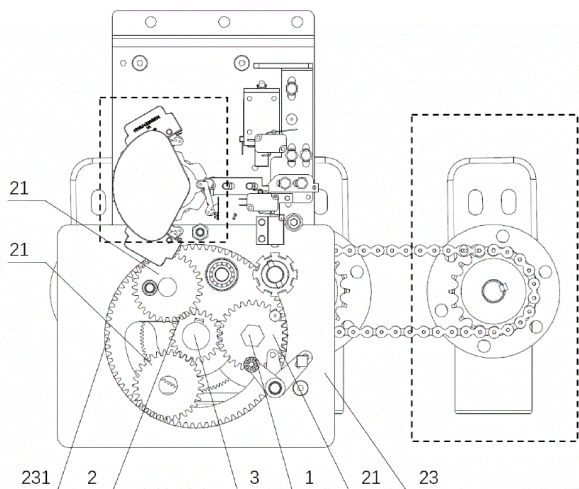
72: Huanfen Zhang, Huatian Wang, Dongxiao Niu

54: AUTOMATIC DISPLACEMENT COAXIAL STRUCTURE FOR GIS THREE-STATION ISOLATION MECHANISM AND CONTROL METHOD THEREOF

00: -

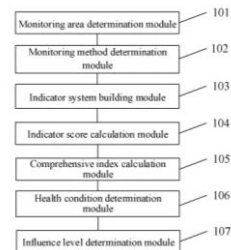
The present invention discloses an automatic displacement coaxial structure for a gas-insulated switchgear (GIS) three-station isolation mechanism and a control method thereof. An operating apparatus includes a control switch, a common operating shaft, a transmission assembly, and a state mandrel. The control switch is connected to the common operating shaft, is movable to a switch-on position, a switch-off position, or a grounding position under driving of external force, and correspondingly drives the common operating shaft to move to a switch-on operating hole position, a switch-off operating hole position, or a grounding operating hole position. The common operating shaft is connected to the state mandrel by the transmission assembly. The common operating shaft

drives, when moving, the state mandrel through the transmission assembly to rotate. Further disclosed is a GIS switchgear direct-acting three-station isolation switch. Switch-on and switch-off operations of isolation and grounding are implemented through the common operating shaft, and a position of the common operating shaft is enabled to change as a position of the control switch changes, so that structural complexity caused by a biaxial interlocking structure is overcome, potential safety hazards caused by misoperations are eliminated, and safety of the isolation switch is improved.



21: 2023/09663. 22: 2023/10/17. 43: 2024/04/17
 51: G01C
 71: Beijing Normal University
 72: GAO, Ju, LI, Chunhui, YI, Yujun, WANG, Xuan, LIU, Qiang
 33: CN 31: 2023111818766 32: 2023-09-13
54: RIVER WATER ECOLOGICAL HEALTH MONITORING SYSTEM AND METHOD, DEVICE, AND MEDIUM

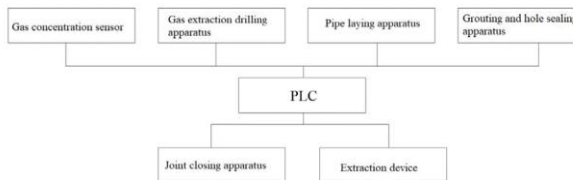
00: -
 The present invention discloses a river water ecological health monitoring system and method, a device, and a medium, relating to the field of water ecological health monitoring, and the system includes: a monitoring area determination module, a monitoring method determination module, an indicator system building module, an indicator score calculation module, a comprehensive index calculation module, a health condition determination module, and an influence level determination module. The present invention can improve the accuracy of river water ecological health monitoring.



21: 2023/09664. 22: 2023/10/17. 43: 2024/04/17
 51: E21F
 71: HULUNBUJIR UNIVERSITY
 72: Li WANG

54: INTELLIGENT COAL SEAM GAS EXTRACTION SYSTEM BASED ON PLC

00: -
 The disclosure provides an intelligent coal seam gas extraction system based on a programmable logic controller (PLC). The system includes: a gas concentration sensor mounted in a gas extraction gateway and configured to monitor a gas concentration in an extraction zone; a gas extraction drilling apparatus configured to drill a hole in the extraction zone; a pipe laying apparatus configured to lay a pipe in a drilled zone; a grouting and hole sealing apparatus configured to conduct grouting and hole sealing at a position of pipe laying; a joint closing apparatus configured to conduct joint closing demonstration at an extraction pipeline of the extraction zone; an extraction device configured to extract gas with the extraction pipeline; and the PLC connected to the gas concentration sensor, the gas extraction drilling apparatus, the pipe laying apparatus, the grouting and hole sealing apparatus, the joint closing apparatus and the extraction device separately.



21: 2023/09665. 22: 2023/10/17. 43: 2024/04/17
 51: C08F
 71: HAINAN NORMAL UNIVERSITY
 72: YAN Huiqiong, CHEN Xiuqiong, LIN Qiang, WANG Hongcai, BU Yanan, WU Ting

54: OXIDIZED ALGINATE/POLYACRYLAMIDE/CHITOSAN MEDICAL COMPOSITE HOMOGENEOUS SCAFFOLD MATERIAL AND PREPARATION METHOD THEREOF

00: -

The present invention relates to a medical scaffold, in particular to an oxidized alginate/polyacrylamide/chitosan medical composite homogeneous scaffold material and its preparation method, belonging to the field of medical tissue engineering technology. The present invention takes natural alginate as the main research object and combines bioactive substances such as chondroitin sulfate, polyacrylamide, hydroxyapatite, chitosan, and gelatin. The method combines interpenetrating networks, homogeneous crosslinking, partial oxidation, surface modification, and controlled release of bioactive growth factors to solve the mechanical properties of alginate in tissue engineering applications, which are poor and difficult to degrade in the human body. Lack of cell specific binding sites and other defects.

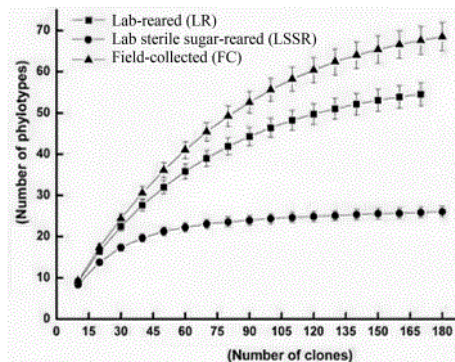
21: 2023/09666. 22: 2023/10/17. 43: 2024/04/17
51: C12N; C12Q

71: Institute of Microbiology, Jiangxi Academy of Sciences (Jiangxi Institute of Watershed Ecology)
72: WANG, Hongxiu, ZHANG, Hongyu, ZHANG, Zhihong, YANG, Chunhua, YANG, Jian, FU, Ming
54: METHOD FOR CONSTRUCTING MOLECULAR MAP OF INTESTINAL BACTERIAL COMMUNITY OF BACTROCERA DORSALIS

00: -

Disclosed is a method for constructing a molecular map of an intestinal bacterial community of *Bactrocera dorsalis*: extracting metagenomic DNA of *Bactrocera dorsalis* intestinal bacteria as a template, amplifying V3-V4 hypervariable regions of 16S rDNA gene by using primer pairs 341F and 806R, recovering an amplification product to obtain a DNA fragment library, ligating with a pMD19-T vector to obtain a recombinant plasmid library, amplifying the recombinant plasmid by using a primer pair, amplifying a positive recombinant plasmid by use of 341F and 806R to obtain a sequence of V3-V4 hypervariable regions of a positive recombinant plasmid 16S rDNA gene, and performing denaturing gel gradient electrophoresis to obtain a molecular map. This method is used for constructing a

bacterial community 16S rDNA library, and is of great significance to define the structure, inheritance, and functional diversity of the intestinal bacterial community of *Bactrocera dorsalis*.



21: 2023/09667. 22: 2023/10/17. 43: 2024/04/17
51: A23K

71: Xinjiang Agricultural University
72: Jiancheng LIU, Fengming LI, Kailun YANG, Mireguli YIMAMU, Changjiang ZANG, Kaixu CHEN, Mengjian LIU, Shabila SHADEKEJIANG

54: FERMENTED LIQUID STARTER FEED FOR LAMBS DURING LACTATION AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention relates to the technical field of feeds, and particularly relates to a fermented liquid starter feed for lambs during lactation and a preparation method and application thereof. The fermented liquid starter feed for lambs during lactation includes the following raw materials: skimmed milk powder, micro grinding soybean, fish meal, wheat bran, plasma protein powder, whey powder, vitamin premix, mineral element premix, a complex enzyme preparation, and complex probiotics. The complex enzyme preparation includes neutral protease, acid protease, cellulase, and xylanase, and the complex probiotics include *Bacillus subtilis* and *Saccharomyces cerevisiae*. The fermented liquid starter feed for lambs during lactation of the present invention has a high nutritional value and a good palatability.

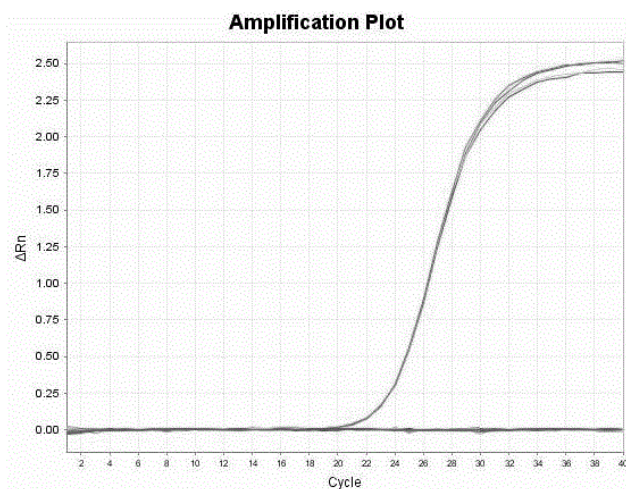
21: 2023/09668. 22: 2023/10/17. 43: 2024/04/17
51: C12N

71: Chinese Academy of Inspection and Quarantine
72: SONG Yun, ZHANG Yongjiang, ZHAI Junfeng, XU Jin, REN Yongchao, ZHANG Mingzhe, LI Mingfu

54: SPECIFIC PRIMERS AND PROBES FOR IDENTIFYING COMPONENTS DERIVED FROM ROSA ROXBURGHII

00: -

The invention discloses specific primers and probes for identifying components derived from *Rosa roxburghii*, and belongs to the technical field of molecular biological identification of plants. The specific primers and probe combination comprises an upstream primer and a downstream primer as shown in SEQ ID NO.3-4 and a probe as shown in SEQ ID NO.5. The invention also provides an application of the specific primers and probe combination in identifying the components derived from *Rosa roxburghii*. The specific primers and probe combination of the invention can specifically identify the components of *Rosa roxburghii*, and the detection method established by the invention can accurately detect whether the samples contain *Rosa roxburghii*-derived components, thus laying a foundation for the establishment of the identification system of *Rosa roxburghii*-derived molecular biology in the samples and the release of relevant standards.



21: 2023/09669. 22: 2023/10/17. 43: 2024/04/17

51: A61K

71: Leshan Normal University

72: Li Shuhua, Chen Fengzheng

33: CN 31: 202211267314.9 32: 2022-10-17

54: A NOVEL MONASCIN COMPOUND, ITS PREPARATION METHOD, AND APPLICATION

00: -

This invention discloses a novel monascin compound and its preparation method and application. The compound is a yellow powder with

the molecular formula $C_{24}H_{34}O_6$, possessing a structure as shown in formula I. The invention extracted and isolated this new monascin compound from red yeast rice, which exhibits significant inhibitory effects on cancer cells.

21: 2023/09677. 22: 2023/10/17. 43: 2024/04/17

51: A01N

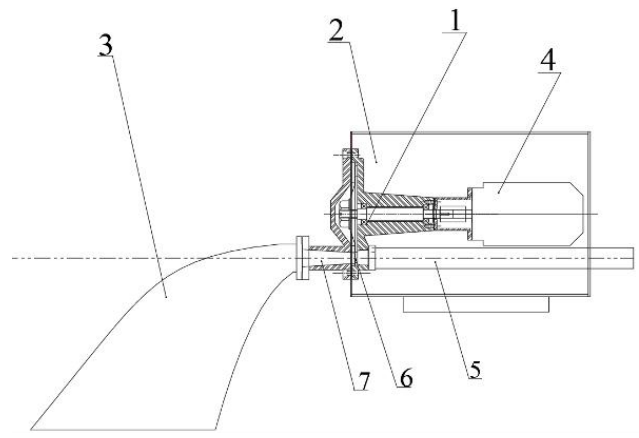
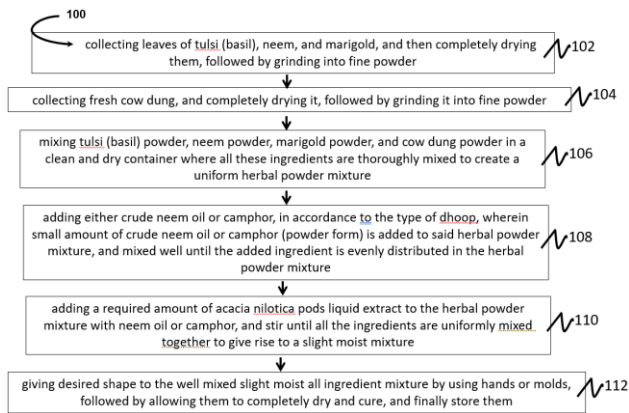
71: Dr.Amrut Gunwantrao Gaddamwar, Dr. Monali S. Patbage-Ghurde, Dr. Sururchi R. Kadu, Dr. Sampatrao Balkrishna Suryawanshi

72: Dr.Amrut Gunwantrao Gaddamwar, Dr. Monali S. Patbage-Ghurde, Dr. Sururchi R. Kadu, Dr. Sampatrao Balkrishna Suryawanshi

54: A COMPOSITION AND METHOD FOR SYNTHESIS OF HERBAL MOSQUITO REPELLENTMAT/DHOOP

00: -

The present disclosure relates to synthesis of herbal mosquito repellent mat/dhoop. The existing repellent technologies often contain toxic components that are harmful to both humans and environment. This invention aims to produce mosquito repellent mats/dhoop using entirely natural, non-toxic raw materials. It offers both dry and wet variants of these products. Natural ingredients such as neem oil/camphor, marigold flower powder, neem powder, and tulsi powder are harnessed for their mosquito-repellent properties. Additionally, crude neem oil/camphor serves as a safe burner and acacia *Nilotica* pods liquid extract is used to acts as a natural, non-toxic binder. This invention provides an eco-friendly alternative to conventional repellents, safeguarding human health while effectively repelling mosquitoes. It emits non-toxic fragrances and avoids the use of harmful chemicals. The use of these natural ingredients not only combats mosquito-borne diseases but also reduces environmental impact, making it a safer and more sustainable choice.

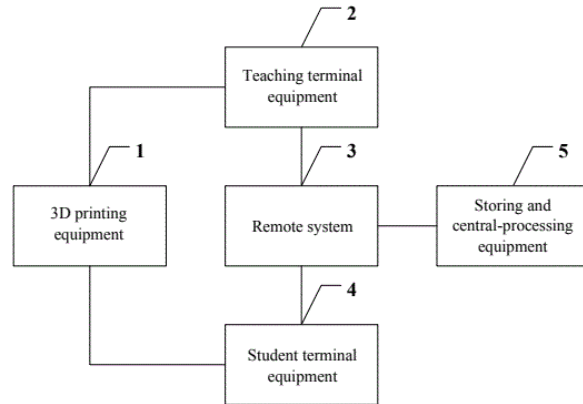
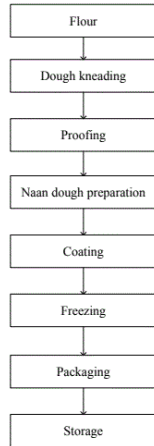


21: 2023/09678. 22: 2023/10/17. 43: 2024/04/17
 51: B01D; F01N
 71: NATIONAL ENERGY ZHIJIN POWER GENERATION CO., LTD, SHAANXI DAI NAN NEW ENERGY ENGINEERING CO., LTD, CHANGSHA UNIVERSITY OF SCIENCE AND TECHNOLOGY
 72: CHENG, Libo, LU, Jinwen, ZHAO, Yi, MA, Dingbo, QIN, Rongjiang, WANG, Maosheng, QIU, Hongbao, YANG, Yanfeng
54: ASH ACOUSTIC CLEANING DEVICE FOR SCR DENITRATION CATALYST IN COAL-FIRED POWER PLANT

00: -
 The present invention discloses an ash acoustic cleaning device for SCR denitration catalyst in coal-fired power plants, and belongs to the technical field of boiler SCR denitration, which comprises: a housing; a generator inside the housing for generating low-frequency sound wave; a volute type amplifier outside the housing and connected with the generator for amplifying the low-frequency sound wave generated by the generator and transmitting it to the target position. The ash acoustic cleaning device for SCR denitration catalyst in a coal-fired power plant provided by the present invention adopts a volute type amplifier, has the advantages of low flow loss, concentrated base-frequency acoustic energy, and stronger acoustic amplification effect, facilitating in ash blowing and descaling, which can be widely used in various boilers in power plants and other industries.

21: 2023/09702. 22: 2023/10/18. 43: 2024/04/18
 51: A21D
 71: Institute of Agro-Products Storage and Processing, Xinjiang Academy of Agricultural Sciences
 72: ZOU, Shuping, KANG, Feng, ZHANG, Ting, ZHAO, Zhixia, ZHANG, Ping, ZHANG, Qian, XIAO, Li, MENG, Xintao
54: PREPARATION METHOD FOR FROZEN NAAN DOUGH

00: -
 Disclosed is a preparation method for frozen naan dough. Raw materials for preparing naan dough include flour, potato flour, yeast powder, eggs, vegetable oil, white granulated sugar, salt, water, milk, five spice powder, a first naan improver and a second naan improver, the preparation method includes flour selection, dough kneading, proofing, naan dough preparation, coating, freezing, packaging and storage. The frozen naan dough is a product that naan is quickly frozen, made into a raw dough product, and then stored at low temperature and circulated. The method of the present invention is simple to operate, and the prepared frozen naan dough has good quality, is easy to process, transport and store, and can be used as a semi-finished product for processing and application.



21: 2023/09703. 22: 2023/10/18. 43: 2024/04/18
51: G09B

71: THE AFFILIATED HOSPITAL OF GUIZHOU MEDICAL UNIVERSITY

72: CUI, Junshuan, ZENG, Xi, ZHOU, Xingwang, LIU, Xianqi, XU, Kaya, XIANG, Xin, YANG, Hua, FENG, Xiaoyun, SONG, Wenxue, WANG, Xiang, MING, Jiang, LU, Junling, WU, Zeya, CHEN, Zhu, HE, Longcai

54: SYSTEM FOR REMOTE TEACHING OR CONSULTATION OF VASCULAR INTERVENTIONAL OPERATION

00: -
The present invention discloses a system for remote teaching or consultation of a vascular interventional operation and belongs to the field of remote medical teaching. The system includes 3D printing equipment, a vascular interventional operation simulator, a first communication module, a remote system, a display device, a second communication module, and storing and central-processing equipment. The vascular interventional operation simulator is connected to the display device through the remote system, and the first communication module is connected to the second communication module through the remote system. The vascular interventional operation simulator is spliced with a blood vessel module printed by the 3D printing equipment to simulate the vascular interventional operation and generate teaching pictures; the remote system uses a 5G network to transmit the teaching pictures to the display device in real time.

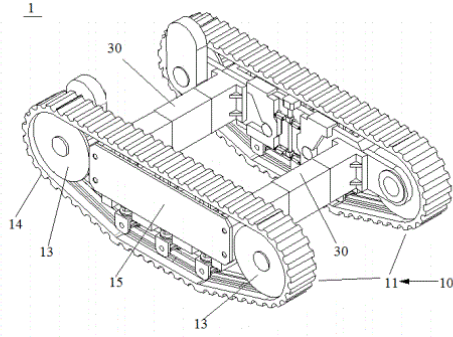
21: 2023/09704. 22: 2023/10/18. 43: 2024/04/18
51: B62D

71: Jinhua Polytechnic

72: DING, Zhao, SU, Zhan, WANG, Zhiming, TIAN, Liquan, XIONG, Yongsen

54: CRAWLER CHASSIS DEVICE

00: -
The present invention discloses a crawler chassis device and relates to the technical field of chassis structures. The crawler chassis device includes a caterpillar track component, a telescopic component, and two supporting components. The supporting components can move relative to frameworks in the vertical direction, so the upper ends can support the plane heights of upper parts of caterpillar tracks exceeding the upper sides of wheel sets or the lower ends can support the plane heights of lower parts of the caterpillar tracks lower than the upper sides of the wheel sets; and the length of the telescopic component can be changed to adjust the distance between two caterpillar track mechanisms. The crawler chassis device provided by the present invention can be suitable for grounds with different properties and can be suitable for harvesting crops with different line spacing, so the applicability is improved.



21: 2023/09706. 22: 2023/10/18. 43: 2024/04/18
 51: F02B; F02D; H02K
 71: MARCUS, Dean Shane, MARCUS, Stanley
 72: MARCUS, Dean Shane, MARCUS, Stanley
 33: ZA 31: 2022/11014 32: 2022-10-10
54: LINEAR ENGINE OPERATION

00: -
 A method of operating a linear engine wherein an electrical load is applied to the engine to regulate movement of a reciprocating component of the engine.

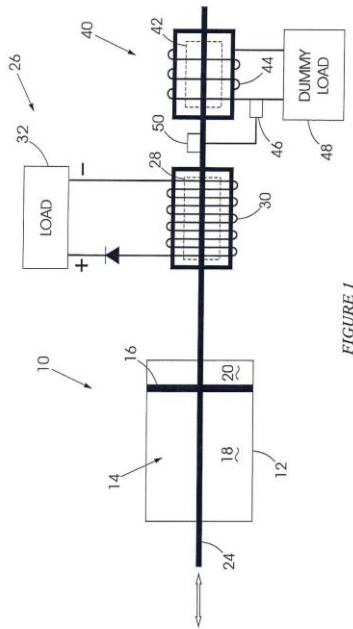


FIGURE 1

21: 2023/09707. 22: 2023/10/18. 43: 2024/04/18
 51: E06B
 71: WIID, Louis August
 72: WIID, Louis August
54: SECURITY PANEL

00: -
 A security panel which includes a frame which bounds an area, and secured to the frame and

extending over the area, a first array of at least one flexible elongate element and a second array of at least one flexible elongate element which is transverse relative to the flexible elongate element in the first array, and a plurality of securing mechanisms which secure the flexible elongate element in the first array to the flexible elongate element in the second array at respective spaced apart locations at which the flexible elongate element in the first array overlies the flexible elongate element in the second array so that the elements form a mesh configuration, and a method of producing such a security panel.

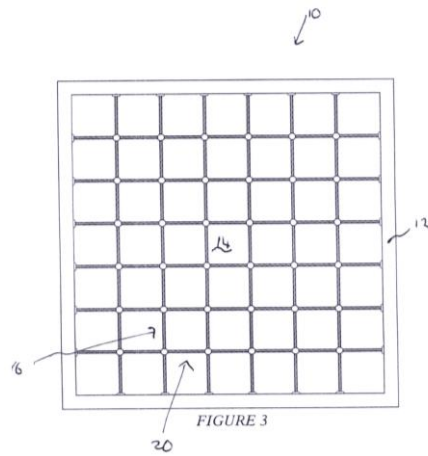
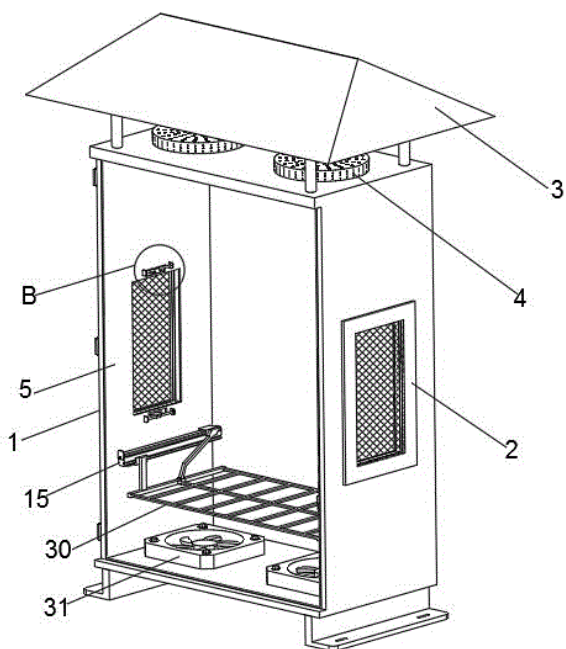


FIGURE 3

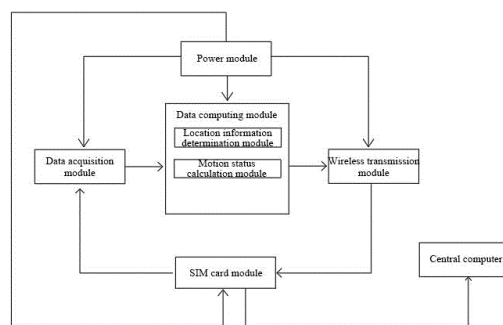
21: 2023/09714. 22: 2023/10/18. 43: 2024/04/18
 51: H02B
 71: Anhui Lutai Electric Technology Co., Ltd.
 72: Yanxue Zhang
54: AN INSULATING PROTECTIVE BOX FOR ELECTRICAL EQUIPMENT

00: -
 The invention relates to the technical field of a protective box, in particular to an insulating protective box for electrical equipment. The invention comprises: a protective box body, and a heat dissipation hole is provided on the side wall of the left and right ends of the protective box body. A dust screen is installed on the outside of the heat dissipation hole, and an exhaust fan is installed on the upper end of the protective box. A heat dissipation fan is installed on the inner wall at the bottom, and a cover is fixed on the upper end of the protective box. An insulation layer is installed on the inner end side wall of the protective box body, and the mounting frame is pulled outward by removing

the limit plate. The upper and lower sleeves slide outwards on the bearing bar with the mounting frame and electrical equipment. The sliding sleeve slides out of the bearing rod, the upper sliding sleeve contacts the baffle, and continues to pull the mounting frame outwards. Slide the mounting frame in the slide cylinder and pull the mounting frame and the electrical equipment on the upper end out of the outer side of the protective box body. This facilitates the maintenance of electrical equipment.



side wall of the mounting hole is provided with an annular groove, and the outer part of the annular groove is provided with an air avoidance groove and a positioning groove. The side wall of the school badge body is formed with a positioning base, and the outer end face of the positioning base is formed with a positioning column; By setting up the school badge composed of the school badge installation base, the school badge body and the positioning module, the location information and movement status of students can be obtained, so as to realize real-time monitoring of students' physical activity, and urge students to actively participate in sports activities through information feedback, which effectively improves students' physical quality and promotes students' physical health.



21: 2023/09715. 22: 2023/10/18. 43: 2024/04/18
51: G06K

71: Chongqing University of Education
72: Yong Sui

54: A SCHOOL BADGE WITH MOTION TRACKING FUNCTIONALITY

00: -
The invention relates to related technical fields of multi-functional school badge, in particular to a school badge with motion tracking functionality, which comprises a school badge mounting base, a school badge body and a positioning module. The outer side of the school badge mounting base is provided with a mounting hole, and the bottom side of the mounting hole is provided with a threading hole. Threading holes are arranged in pairs, and the school badge mounting base is sewn in the school uniform towards the heart by needle and thread. The

21: 2023/09744. 22: 2023/10/19. 43: 2024/04/22
51: B03B; B03D

71: Kunming University of Science and Technology
72: FENG, Qicheng, ZHANG, Yingchao, WEN, Shuming, LIU, Dianwen, HAN, Guang, ZHAO, Wenjuan, LIAO, Rungeng, MIAO, Yongchao, ZHANG, Ga, ZHAO, Guanghu
33: CN 31: 202211347011.8 32: 2022-10-31

54: METHOD FOR FULL-SIZE ENHANCED SULFIDIZATION AND CLASSIFIED FLOTATION RECOVERY OF ZINC OXIDE ORE

00: -
Disclosed is a method for full-size enhanced sulfidization and classified flotation recovery of zinc oxide ore. The present invention includes the steps: crushing and grinding the zinc oxide ore, performing pulp conditioning, adding composite ammonium salt and adding copper salt; adding a sulfidizing agent into the activated ore pulp; performing coarse and fine ore grain classification; adding a cuprammonium complex into the fine-grained pulp for activation, then sequentially adding a xanthate collector and a

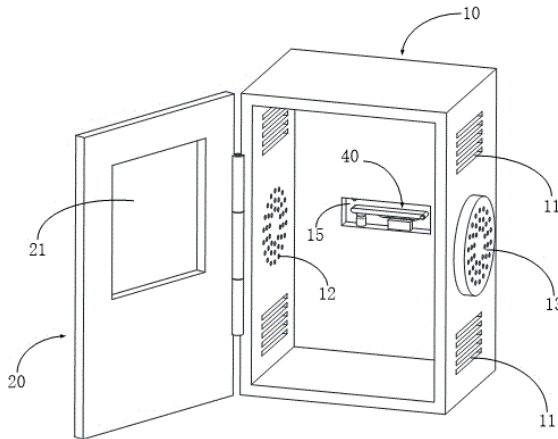
frothing agent, and performing flotation after pulp conditioning to obtain fine-grained zinc concentrate and fine-grained flotation tailings; adding a regulator and an amine collector into the coarse-grained pulp, and performing flotation after pulp conditioning to obtain coarse-grained zinc concentrate and coarse-grained flotation tailings; combining the fine-grained zinc concentrate and the coarse-grained zinc concentrate into flotation zinc concentrate; and combining the fine-grained flotation tailings and the coarse-grained flotation tailings into flotation tailings.



21: 2023/09745. 22: 2023/10/19. 43: 2024/04/22
 51: H05K
 71: Na Wei
 72: Na Wei

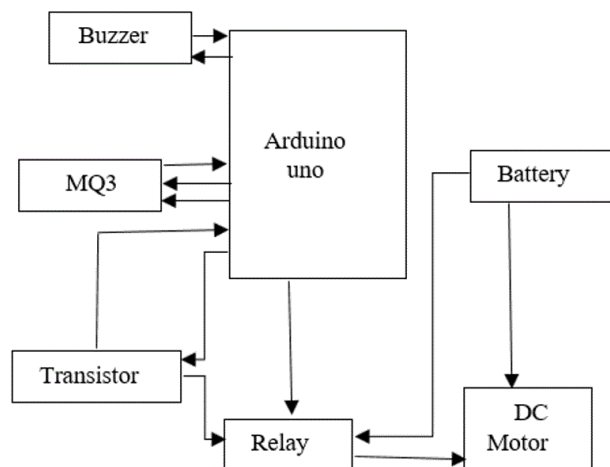
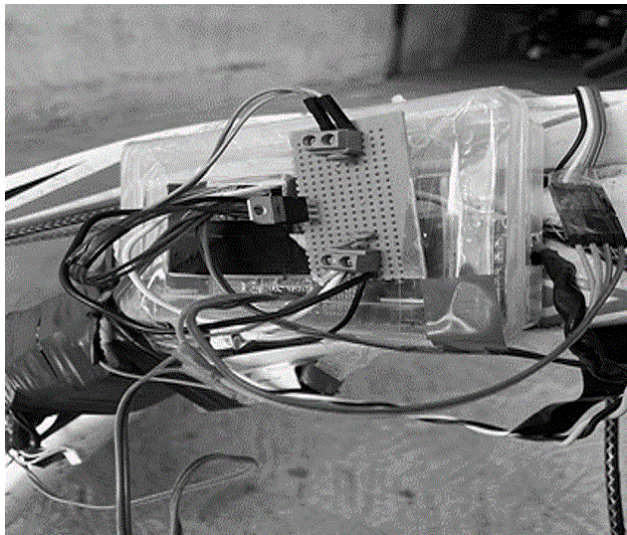
54: A COOLING ELECTRICAL CABINET CONTROLLED BY ELECTRICAL AUTOMATION

00: -
 The invention relates to the technical field of electric gas cabinet, in particular to a cooling electrical cabinet controlled by electrical automation. The invention can effectively solve the problem of low cooling efficiency of the existing electric cabinet by arranging a cooling component and a temperature control component in the cabinet, when the temperature in the cabinet is low. Cabinet can be through the first vent for natural cooling, when the temperature in the cabinet continues to rise, the bimetallic sheet will be heated expansion, bending downward, thereby driving the rod away from the rotating shaft one end of the upward movement, thereby squeezing the switch, the switch through the motor to drive the cooling fan operation. Through the natural cooling of the first vent and the cooling fan operation, the air flow in the cabinet can be accelerated, and the cooling effect can be improved, so that the electronic components in the cabinet can be better prevented from being damaged by high temperature.



21: 2023/09749. 22: 2023/10/19. 43: 2024/04/22
 51: B23F
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: RAIKWAR, Rajesh G., MAHAJAN, Chandrashekhar M., JOSHI, Kalpesh V., THAKKAR, Dhruv, DHONDE, Shreyansh, DHORAGE, Prathamesh, PATEL, Dhruv, KSHIRASAGAR, Dhruv
54: AN AUTOMATED GEAR SHIFTING SYSTEM FOR BICYCLES

00: -
 The present invention relates to an automated gear shifting system for bicycles. This system aims to provide a smoother and more enjoyable riding experience on various terrains. The integration of high-torque servo motors, a Hall Effect sensor, and an Arduino Uno enables real-time gear selection, optimizing power delivery and pedaling efficiency. There will be an LCD that will display the speed and current gear position. The code is encoded through an Arduino IDE. With a focus on eco-friendly travel, this invention has the potential to promote bicycles as a greener alternative to motor vehicles, fostering a sustainable future for urban mobility.



21: 2023/09750. 22: 2023/10/19. 43: 2024/04/22
51: E05B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: JALNEKAR, Rajesh M., MAHAJAN, Chandrashekhar M., RAJPUT, Vaishhali, JADHAV, Shrinivas, JADHAV, Vedanti, JADHAV, Shivam, JADHAV, Yogesh, JADHAVAR, Deepak

54: AN ALCOHOL DETECTION AND ENGINE LOCKING SYSTEM FOR VEHICLES

00: -

The present invention relates to an alcohol detection and engine locking system for vehicles. Nowadays, drunk-and-driving cases and road accidents are happening to a great extent due to the uncontrolled driving of the driver. To control these accidents, this system is designed using an Arduino UNO as a microcontroller, an MQ3 sensor to detect alcohol, a resistor to control current, a DC motor, a battery, a transistor, an LED, and a buzzer as an output detection, a breadboard mini to do all the required connections, and jumper wires to interconnect all the components with each other. When the driver is drunk, the MQ3 sensor will detect it, and the LED will start glowing and the buzzer will ring up. And finally, the engine will get blocked, and as a result, the vehicle will stop immediately.

21: 2023/09751. 22: 2023/10/19. 43: 2024/04/22
51: A61K

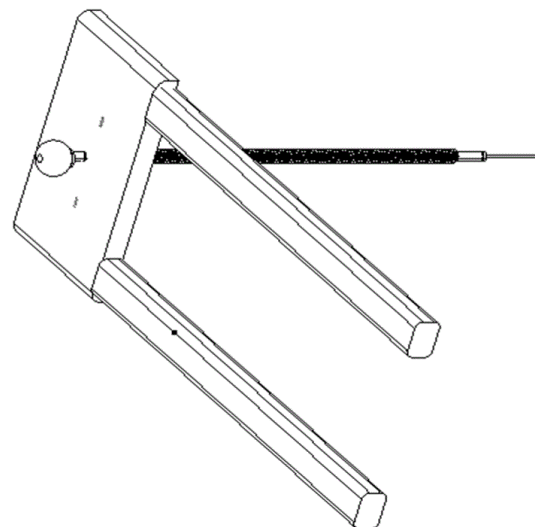
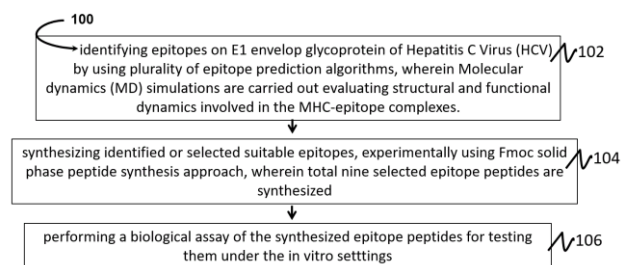
71: Prof. Raju Nivarti Gacche, Dr. Rohan Janardhan Meshram, Sagar Narayan Dakhane, Dr. Rahul Ashokrao More, Suvarna Vyankatrao Gaikwad, Dr. Kunal Laxman Turukmane

72: Prof. Raju Nivarti Gacche, Dr. Rohan Janardhan Meshram, Sagar Narayan Dakhane, Dr. Rahul Ashokrao More, Suvarna Vyankatrao Gaikwad, Dr. Kunal Laxman Turukmane

54: A METHOD TO IDENTIFY AND SYNTHESIZE SUITABLE T-CELL EPITOPES ON E1 GLYCOPROTEIN AS POTENTIAL SUBUNIT VACCINE CANDIDATES AGAINST HEPATITIS C.

00: -

The present disclosure relates to a method for identifying and synthesizing suitable T-cell epitopes on E1 glycoprotein as potential subunit vaccine candidates against Hepatitis C Virus (HCV) infections. This invention uses a subtractive reverse vaccinology approach to identify appropriate T-cell epitopes on the E1 glycoprotein. To learn more about the structural and functional dynamics affecting the MHC-epitope complexes, MD simulation are carried out to keep an eye on the dynamics and confirm if the identified epitopes form a complex with the MHC protein that is both thermodynamically and conformationally stable. The selected epitopes underwent further in vitro testing after being experimentally synthesized. In this invention, two epitopes identified, QVRNSSGLY (P3) and QLFTFSPRH (P7), as possible subunit vaccine candidates against Hepatitis C Virus (HCV) infections. These epitopes offer a great deal of promise for further animal and clinical testing against Hepatitis C Virus (HCV) infections.



21: 2023/09752. 22: 2023/10/19. 43: 2024/04/22

51: G05G

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: WAIKAR, Rahul, HULWAN, D. B., GAWALI, Rohit

54: A DEVICE FOR CONTROLLING ENGINE SPEED

00: -

The present invention is related to a device for controlling engine speed. According to the invention, the main concept of the assembly is to control the speed during the trials. This assembly makes the working of the setup easier to change the speed while the experiment is going on, and the arrangement of the lead screw makes it easier to control the position of the throttle valve, ensuring an accurate supply of air-fuel mixture to the engine.

This lead screw is connected to the clutch wire. This clutch wire is connected to the accelerator. This entire assembly is then connected to the throttle valve, which ensures the constant amount of air-fuel mixture supplied to the engine so that the constant speed is achieved and the readings can be noted accurately. The entire assembly is easy to use, and its low cost makes it suitable for large-scale installation.

21: 2023/09782. 22: 2023/10/19. 43: 2024/04/22

51: C22B; C25B

71: VITO NV, KATHOLIEKE UNIVERSITEIT LEUVEN

72: FRANSAER, Jan, MARTINEZ-MORA, Omar, DOMINGUEZ, Xochitl

33: EP 31: 21165681.4 32: 2021-03-29

54: A PROCESS FOR PRECIPITATING PARTICLES OF PLATINUM GROUP METALS

00: -

The present invention relates to a process for recovering platinum group metals from a feed containing one or more precursor compounds of one or more platinum group metal ions, wherein the process comprises the steps of (i) supplying to a cathode compartment of an electrochemical cell equipped with a cathode comprising a gas diffusion electrode with a porous electrochemically active material, the feed containing the one or more precursor compounds to form a liquid phase in the cathode compartment, (ii) supplying a CO₂ containing gas to the cathode compartment, (iii) applying a potential to the cathode which is such as to cause electrochemical reduction of the CO₂ to CO, (iv) and recovering from the liquid phase precipitated particles of the one or more platinum group metals in elemental form.

21: 2023/09783. 22: 2023/10/19. 43: 2024/04/22

51: G01R

71: ZHUZHOU CRRC TIMES ELECTRIC CO., LTD.

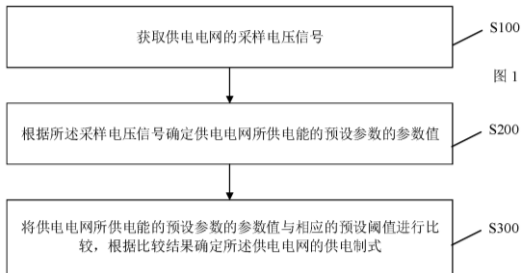
72: CHEN, Zhibo, GAN, Weiwei, WANG, Yu, GUO, Wei, LI, Xueming, WU, Changyou, LIANG, Xingyuan

33: CN 31: 202111154578.9 32: 2021-09-29

54: POWER SUPPLY MODE DETERMINATION METHOD AND APPARATUS, AND TRANSMISSION CONTROL SYSTEM AND ELECTRONIC DEVICE

00: -

The present disclosure relates to a power supply mode determination method and apparatus, and a transmission control system and an electronic device. The method comprises: acquiring a sampling voltage signal of a power supply grid; determining, according to the sampling voltage signal, a parameter value of a specified parameter of electrical energy supplied by the power supply grid; and comparing the parameter value of the specified parameter of the electrical energy supplied by the power supply grid with a corresponding preset threshold value, and determining a power supply mode of the power supply grid according to a comparison result.



S100 Acquire a sampling voltage signal of a power supply grid
 S200 Determine, according to the sampling voltage signal, a parameter value of a preset parameter of electrical energy supplied by the power supply grid
 S300 Compare the parameter value of the preset parameter of the electrical energy supplied by the power supply grid with a corresponding preset threshold value, and determine a power supply mode of the power supply grid according to a comparison result

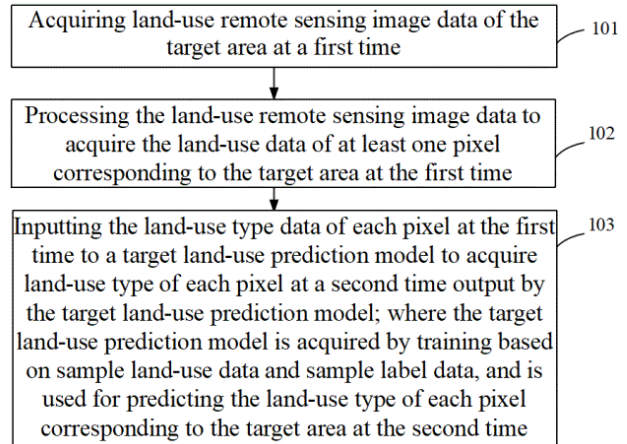
21: 2023/09788. 22: 2023/10/20. 43: 2024/04/22
 51: G06Q

71: SHIHEZI UNIVERSITY
 72: YIN Xiaojun, WANG Jiaojiao, SHU Jikai, WU Pengjie, WANG Dimeng, PAN Shaoliang, DING Mingrui, LIU Pengshuai, MA Anqiang
 33: CN 31: 2022113138512 32: 2022-10-25
54: METHOD, DEVICE, ELECTRONIC EQUIPMENT AND STORAGE MEDIUM FOR PREDICTING LAND-USE TYPES

00: -

The invention provides a method, a device, electronic equipment and a storage medium for predicting land-use types, and relates to the technical field of remote sensing image information. The method includes following steps: acquiring land-use remote sensing image data of the target area at

a first time; processing the land-use remote sensing image data to acquire the land-use data of at least one pixel corresponding to the target area at the first time; and inputting the land-use type data of each pixel at the first time to a target land-use prediction model to acquire land-use type of each pixel at a second time output by the target land-use prediction model; where the target land-use prediction model is acquired by training based on sample land-use data and sample label data, and is used for predicting the land-use type of each pixel corresponding to the target area at the second time. The method provided by the invention improves the accuracy of land use type prediction.



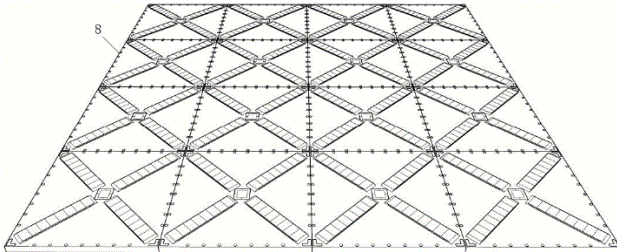
21: 2023/09789. 22: 2023/10/20. 43: 2024/04/22
 51: E04F

71: Zhejiang University of Science and Technology
 72: Zhenyu Zhang, Pengfei Cheng, Xin Jin, Jian Zhou, Yijie Wang, Chunxiang Yu, Chuitao Sun
54: FIRE ESCAPE INTELLIGENT FLOOR TILE DEVICE

00: -

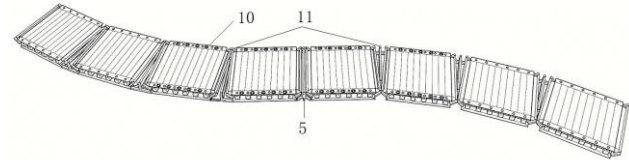
The invention belongs to the technical field of fire escape equipment, in particular to a fire escape intelligent floor tile device. It comprises a number of escape floor tiles, all escape floor tiles are arranged in a square array, two adjacent escape floor tiles closely fit each other; Each escape floor tile comprises a lower platform, a plurality of fans located at the edge of the lower platform, a transmission mechanism located on the lower platform, an upper platform located above the lower platform, and a plurality of lights respectively located at the corner and center of the upper platform; The edge of the upper platform is provided with a

plurality of air outlets corresponding to the fan. The invention has the characteristics of facilitating the perception of the hand of the visually impaired person, improving the probability of quick escape and providing the best escape route.



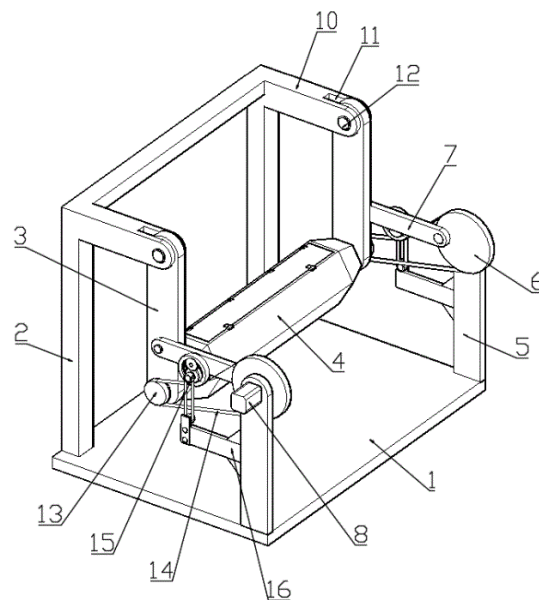
21: 2023/09790. 22: 2023/10/20. 43: 2024/04/22
 51: E04F
 71: Zhejiang University of Science and Technology
 72: Zhenyu Zhang, Xin Jin, Pengfei Cheng, Yijie Wang, Jian Zhou, Chuitao Sun, Chunxiang Yu
54: FLOOR TILE DEVICE FOR FIRE ESCAPE
 00: -

The invention belongs to the technical field of fire escape equipment, in particular to a floor tile device used for fire escape. It comprises a plurality of crawler type floor tiles, and two adjacent crawler type floor tiles are connected through a supporting connecting piece; Each crawler type floor tile comprises a driving wheel, a driven wheel, a conveyor belt rotating with the driving wheel and the driven wheel, a fan placement platform on both sides of the conveyor belt, a warning belt above the fan placement platform, and a plurality of fans between the warning belt and the fan placement platform; The prompt belt is provided with a number of indicators and a number of corresponding air outlets with the fan; The supporting connector comprises at least one straight supporting connector and at least one 10° turning supporting connector. The invention has the characteristics of facilitating the perception of the hand of the visually impaired person, improving the probability of quick escape, making a turn in a multiple of 10°, and increasing the flexibility and convenience of the escape route layout.



21: 2023/09791. 22: 2023/10/20. 43: 2024/04/23
 51: B24B
 71: Hefei Anxin Reed Precision Manufacturing Co., Ltd.
 72: GU Yunhui, MEI Ya, GUO Yuxiang, BU Shuai, ZHANG Rui, XU Haibing
 33: CN 31: 202211722311.X 32: 2022-12-30
54: SWING-TYPE VALVE PLATE FINISHING MACHINE

00: -
 The present invention discloses a swing-type valve plate finishing machine including a bottom plate. One side of the bottom plate is provided with a first stand, and two swing bodies are provided on the first stand. A finishing cylinder is rotatably connected between the two swing bodies. The other side of the bottom plate is provided with a second stand rotatably connected with a driving wheel. The driving wheel is in transmission connection with the finishing cylinder and drives the finishing cylinder to rotate. An eccentric position of the driving wheel is rotatably connected to the swing body through a connecting rod. A driving motor is mounted on the second stand and connected to the driving wheel.



21: 2023/09792. 22: 2023/10/20. 43: 2024/05/02

51: G01D; G01N

71: Huaneng Tongliao Wind Power Co. Ltd

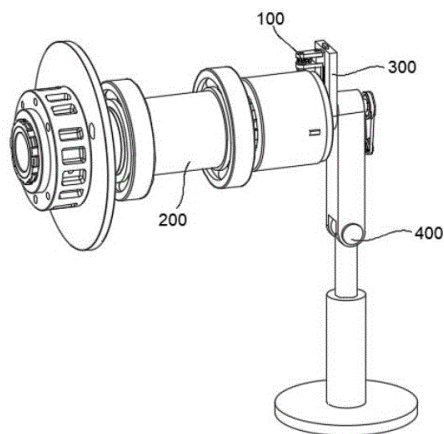
72: Wang, Jianguo, Ma, Wenbin, Li, Shibin, Wang, Fengqi, Zhang, Lianwu, Li, Zheng

33: CN 31: 202310942433.8 32: 2023-07-30

54: COVER OPENING INSPECTION DEVICE FOR GEARBOX SPLINE SHAFT AND SECONDARY SUN GEAR OF WIND TURBINE GENERATOR SYSTEM

00: -

The present disclosure relates to the technical field of wind turbine detection, and in particular to a cover opening inspection device for a gearbox spline shaft and a secondary sun gear of a wind turbine generator system. The device includes a detection mechanism, including a mounting member, and a pressure sensor arranged on the mounting member; a to-be-detected mechanism, including a to-be-detected member, and a protruded patch member located on the to-be-detected member; and an adjusting mechanism, including an adjusting bracket member for adjusting a distance of one mounting member, and a driving member for driving a rotation of the adjusting bracket member. The to-be-detected member rotates to drive the protruded patch member to rotate, the protruded patch member rotates to indirectly press one mounting member, and the mounting member indirectly presses one pressure sensor.



21: 2023/09798. 22: 2023/10/20. 43: 2024/04/22

51: G01R

71: ZHUHAI ELECTAC HIGH TECHNOLOGY CO., LTD

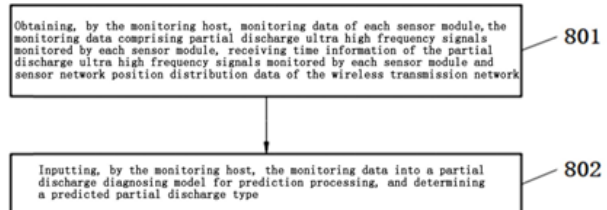
72: Yi, Xiaobo, YANG, Kai, WU, Jianming, ZHANG, Hua, MIAO, Chusheng, HAN, Maowen, LIN, Hairong, HUANG, haojian, FANG, Laijin

33: CN 31: 202211062539.0 32: 2022-09-01

54: GIS PARTIAL DISCHARGE DIAGNOSING METHOD, MODEL TRAINING METHOD, DEVICE AND SYSTEM

00: -

A GIS partial discharge diagnosing method, a model training method, a device and a system are disclosed. Sensor modules are in communication with each other, so that sensor network position distribution data of each sensor module in a wireless transmission network can be determined. In a training process of a partial discharge diagnosing model, a spatial-temporal feature of the partial discharge is introduced, so that the trained partial discharge diagnosing model is adaptive to different GIS equipment and different sensors layout solutions, and has better model universality and applicability, thus greatly saving a training time of the model and expediting the deployment of the partial discharge diagnosing model. Moreover, the model trained in the present disclosure accounts for the relationship between the position where partial discharge occurs and the sensor network position distribution. This allows the trained partial discharge diagnosing model of the present disclosure to eliminate interference from discharge signals occurring outside the GIS, enhancing the accuracy of partial discharge type identification.



21: 2023/09799. 22: 2023/10/20. 43: 2024/04/23

51: A01N

71: HUBEI MAOSHENG BIOLOGY CO., LTD.

72: Yixin Zhou, Jie Huang, Yu Jiang, Qi Liu

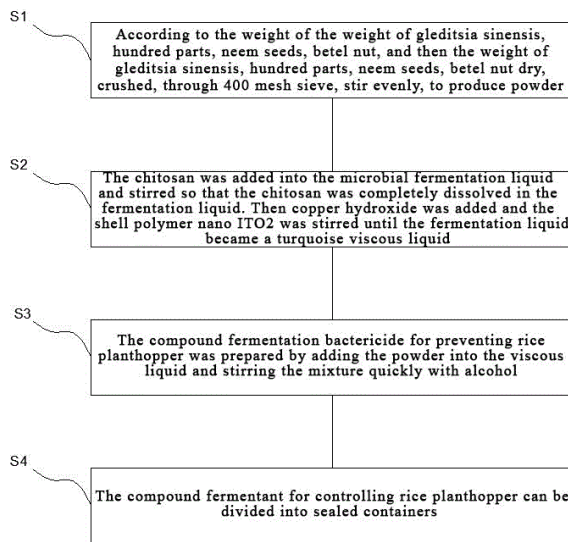
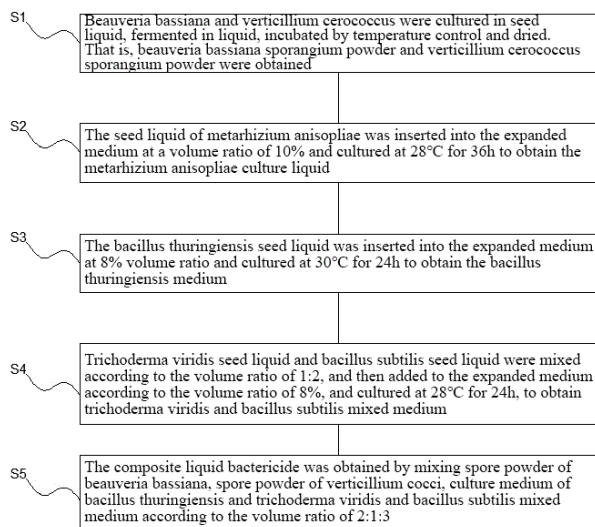
54: BACILLUS THURINGIENSIS BIOCONTROL AGENT FOR INHIBITING REPRODUCTION OF CORN BORER AND A PREPARATION METHOD THEREOF

00: -

The invention relates to the technical field of pest control agent, in particular to a bacillus thuringiensis biocontrol agent for inhibiting reproduction of corn borer and a preparation method thereof. The bacillus thuringiensis biocontrol agent consists of the

following components in weight ratio: Bacillus thuringiensis 15-25%, metarhizium anisopliae 15-20%, trichoderma viriformis 12-18%, bacillus subtilis 10-15%, beauveria bassiana 10-14%, and the balance is verticillium cercococcus; The beneficial effect of the invention is: the thuringibacillus biocontrol agent for inhibiting the reproduction of corn borer and the preparation method thereof. The corn borer was killed by means of biological control, in which a special biological control agent was formulated, which was different from the traditional products. It is mainly made of metaranisopliae anisopliae liquid mixed with concentrated extract. metaranisopliae anisopliae can penetrate into the insect body through the body surface, reproduce in the insect body, consume host nutrition and kill the insect.

ITO2 4-7%, copper hydroxide 4-7%, saponin 4-6%, radix stemonae 3-6%, neem seed 3-5%, betel nut 2-4%, and the remainder is microbial fermentation liquid; The beneficial effects are as follows: the composite fermentation bactericide for preventing and treating rice planthopper and the preparation method thereof. When used, it not only has the effect of preventing and controlling rice plantworms, but also can kill cyanobacteria in water and increase the content of water, promote the uprating of rice stalks and the growth of silicon cells in rice stalks, leaves and grains, which promotes the self-protection function of rice plants, and thus achieves the purpose of insect resistance and lodging resistance, improving rice yield and improving rice quality. It can be sprayed directly on the base of the rice plant, every 10-20 days before the rice harvest according to the degree of infestation.



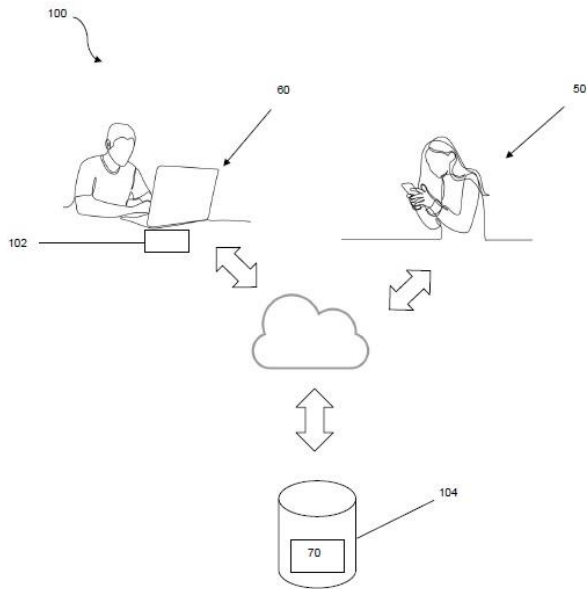
21: 2023/09800. 22: 2023/10/20. 43: 2024/04/23
 51: C12N
 71: HUBEI MAOSHENG BIOLOGY CO., LTD.
 72: Yixin Zhou, Jie Huang, Yu Jiang, Qi Liu
54: A COMPOSITE FERMENTATION BACTERICIDE FOR CONTROLLING RICE PLANTHOPPER AND A PREPARATION METHOD THEREOF

00: -
 The invention relates to the technical field of pest control agent, in particular to a composite fermentation bactericide for controlling rice planthopper and a preparation method thereof. It consists of the following components by weight percentage: Chitosan 6-12%, shell spherical nano

21: 2023/09826. 22: 2023/10/23. 43: 2024/04/23
 51: G06Q
 71: MOHAMED; Nur
 72: MOHAMED; Nur
54: A SYSTEM FOR, AND A METHOD OF SOURCING AND REWARDING ONE OR MORE SERVICE PROVIDER(S)

00: -
 According to a first aspect of the invention, there is provided a method of sourcing and rewarding one or more service provider(s), said method including one or more of the following steps: a rewarder conducts a search through a database for a worker who can

perform a certain task and/or offers an indicated service; the rewarder contracts the worker to complete the task or perform the service in return for a reward voucher being issued by the rewarder, in favor of the worker; and the rewarder issues a predetermined voucher to the worker once the indicated task is completed, or the specified service has been performed by the worker.



21: 2023/09827. 22: 2023/10/23. 43: 2024/04/23
51: A61L

71: Nanjing Children's Hospital

72: Shanshan Fang, Guang Liu, Longde Zhao

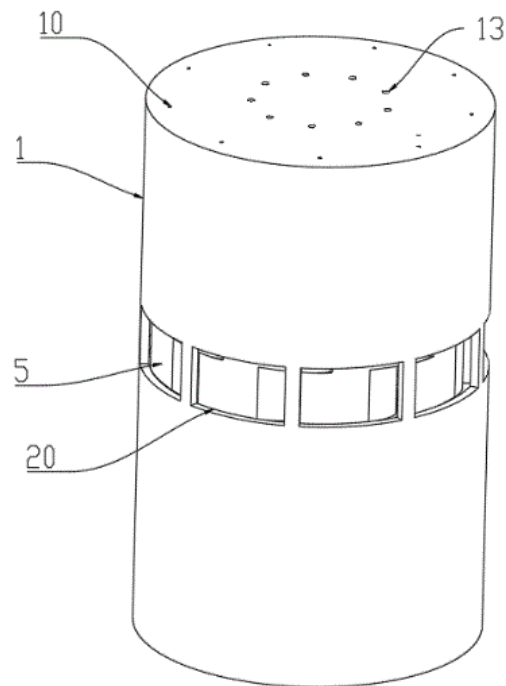
33: CN 31: 2023109876640 32: 2023-08-08

54: MULTI-FUNCTIONAL STERILIZING DEVICE FOR OPERATION ROOM NURSING

00: -

The invention discloses a multifunctional sterilizing device for operating room nursing, comprising a sterilizing chamber, a driving motor, a temporary storage chamber, a driving rotary plate, an array storage component, and a multi-channel sterilizing component. The invention belongs to the field of nursing sterilization, and specifically refers to a multifunctional sterilizing device for operating room nursing; the invention makes the cleaning solution enter sewage tank after use through the temporary storage chamber and the sterilizing chamber set at the bottom wall, which are not uniform in height, and drives the lift plate to control the counterclockwise discharge of gas inside the temporary storage

chamber by its own buoyancy to carry out drying operation; and, after drying is completed, the pressure of the internal gas is made bigger via heating to enable the gas, which originally flows in the counterclockwise direction, to flow clockwise, and combining with ozone after disinfection to prevent the volatilization of harmful gases; at the same time, the array storage component, comprising a plurality of groups of self-extruding storage mechanisms arranged in array, provides conditions and convenience for the storage, access, cleaning, disinfection of medical equipment.



21: 2023/09828. 22: 2023/10/23. 43: 2024/04/23
51: C02F

71: Hebei Chemical & Pharmaceutical College

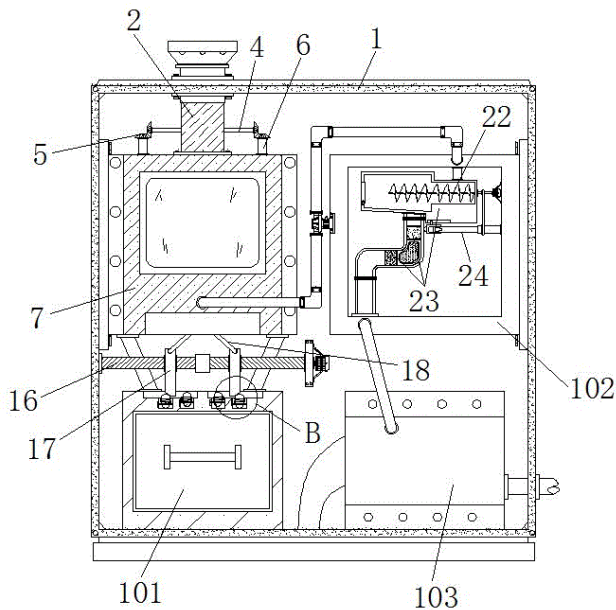
72: Yan Li

54: AN ELECTROCHEMICAL TREATMENT DEVICE FOR HIGH REFRACTORY DEGRADATION WASTEWATER

00: -

The invention discloses an electrochemical treatment device for high refractory degradation wastewater. The invention comprises a holding chamber, a collecting chamber, a filter chamber, an electrolytic chamber and a processing chamber; The invention further comprises that a feeding pipe is connected through the top left position of the holding

chamber, and the bottom end position of the feeding pipe extends into the top position of the processing chamber. The inner position of the feeding pipe is provided with a drive wheel to realize the purpose of rotating the filter board. The electrochemical treatment of high refractory degradation wastewater treatment device is provided with a feeding pipe through the fall of the wastewater, which makes the drive wheel will drive the rotating rod to rotate. This allows the conical gear component to turn the worm. This allows the worm to rotate through the meshing connected worm wheel, so that the rotating groove will drive the fitting piece to move back and forth on the inner wall of the fixing plate. Therefore, it is convenient to clean the impurities adhered to the inner wall of the processing chamber, and it can better facilitate collection and treatment through the collecting chamber.



21: 2023/09829. 22: 2023/10/23. 43: 2024/04/23
 51: C12N
 71: Shandong Agricultural University
 72: BIE, Xiaomin, ZHANG, Xiansheng, LI, Menglu, SUN, Yaqi, HAN, Yifan, SONG, Ying, GUO, Beibei
54: TACBSX3 GENE AND APPLICATION OF PROTEINS ENCODED THEREBY IN IMPROVING EFFICIENCY OF WHEAT TRANSFORMATION
 00: -
 The present invention discloses a TaCBSX3 gene and application of proteins encoded thereby in improving the efficiency of wheat transformation, which falls within the technical field of plant genetic

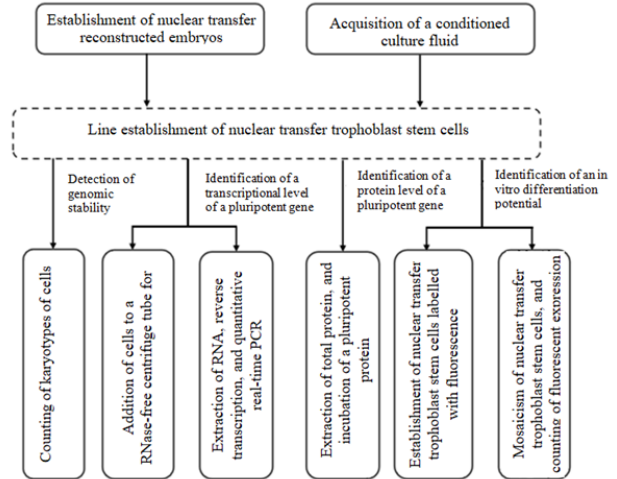
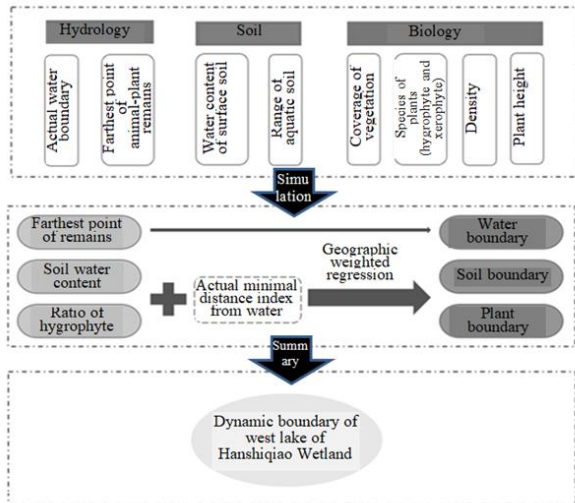
engineering. Embodiments verify that, compared with the control vector, the TaCBSX3 gene overexpression vector can promote introduction of nucleic acid molecules into the target plant, and the use of the TaCBSX3 gene can improve the transformation efficiency of introduction of the target gene into plants and improve the genetic transformation efficiency of wheat, which has important economic value and social benefits for the study of plant gene function and the improvement of crop agronomic traits.



21: 2023/09830. 22: 2023/10/23. 43: 2024/04/23
 51: G01N; G06F
 71: BEIJING NORMAL UNIVERSITY
 72: CUI, Baoshan, WANG, Xuan, YUE, Xiupeng, XIE, Tian, FU, Yijia, CHEN, Yu

54: METHOD FOR DETERMINING DYNAMIC BOUNDARY OF WETLAND BASED ON HYDROLOGICAL, BIOLOGICAL AND SOIL ELEMENTS

00: -
 The present invention discloses a method for determining a dynamic boundary of wetland based on hydrological, biological and soil elements, which includes the following steps: step I: extracting a dynamic hydrological boundary of wetland; step II: acquiring vegetation data of the wetland; step III: acquiring soil data of the wetland; step IV: simulating a dynamic boundary of wetland vegetation and soil according to the data in step I to step III; and step V: determining a dynamic boundary of the wetland. The present invention can comprehensively and accurately reflect the dynamic boundary of the wetland in multiple dimensions.



21: 2023/09831. 22: 2023/10/23. 43: 2024/04/23

51: C12N; C12Q; G01N

71: THE FIRST AFFILIATED HOSPITAL OF BENGBU MEDICAL COLLEGE (AFFILIATED TUMOR HOSPITAL OF BENGBU MEDICAL COLLEGE)

72: DOU, Chengli, LUO, Bingbing, DING, Biao, LI, Xiang, JIN, Zhixin, WANG, Xiaojing

54: IDENTIFICATION METHOD FOR PLURIPOTENCY OF NUCLEAR TRANSFER TROPHOBLAST STEM CELLS AND APPLICATION THEREOF

00: -

The present invention relates to the technical field of identification of nuclear transfer trophoblast stem cells, and in particular to line establishment, pluripotency identification and application of nuclear transfer trophoblast stem cells, including: acquiring a conditioned culture fluid for feeder cells, counting karyotypes of cells, identifying a protein expression level of a pluripotent gene and identifying a transcriptional level of the pluripotent gene; identifying a pluripotency level of the trophoblast stem cells by designing a culture fluid to culture the trophoblast stem cells by means of washing, membrane permeation, and incubation at room temperature, and systematically improving a method of identifying a pluripotency state of the nuclear transfer trophoblast stem cells; and identifying an in vivo developmental potential in the nuclear transfer trophoblast stem cells by injecting the nuclear transfer trophoblast stem cells into mouse blastocysts by a micromanipulation method.

21: 2023/09834. 22: 2023/10/23. 43: 2024/04/23

51: G06F

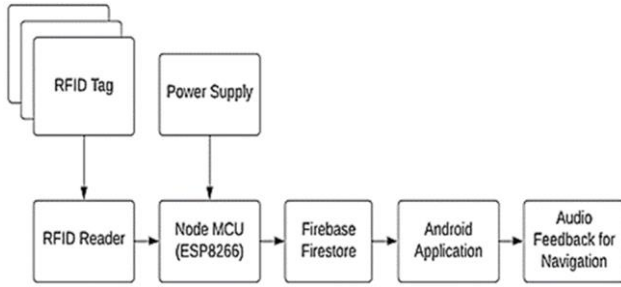
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SHINDE, Sandip, BHUTKAR, Ganesh D., LANDGE, Chaitanya, MANCHEKAR, Rutvik, LONDHE, Chinmayi, SHEMBALKAR, Kshitij

54: A RADIO FREQUENCY IDENTIFICATION BASED NAVIGATION SYSTEM FOR THE VISUALLY IMPAIRED IN AN INDOOR ENVIRONMENT

00: -

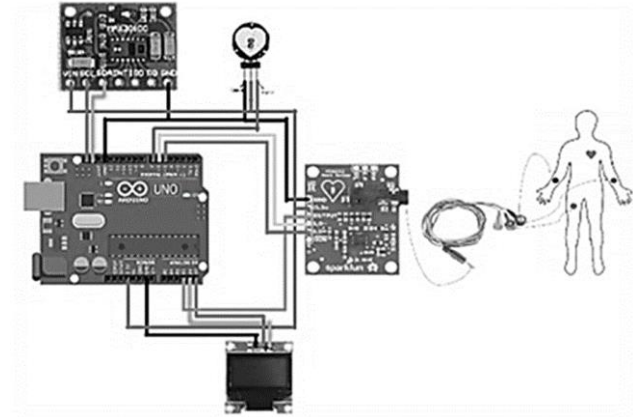
The present invention related is a radio frequency identification based navigation system for the visually impaired in an indoor environment. A location and tracking system becomes crucial in the pervasive computer environment of the future, as information is all around us. A vital aspect of knowledge that is crucial for potential and developing applications is location. Since it is legal to use GPS satellites for public use, surrounded by cutting-edge technology like GPS-equipped mobile phones and car navigation systems. Numerous techniques, including the triangulation of the radio signal, are proposed for gathering position data inside structures. Utilising Radio Frequency Identification (RFID) identifiers is a contemporary method of providing users with location data. Thanks to their passive contact chain, RFID tags can be put practically anywhere without an energy source. The tags offer location data to any reader within a proximity range of up to 5-7 cm after storing it. The Firebase Fire store database is used.



21: 2023/09835. 22: 2023/10/23. 43: 2024/04/23
 51: G06Q
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: SHILASKAR, Swati, WYAWHARE, Medha, AADARSH, Akshay, PARKHE, Anish, PATIL, Anish, ANUSE, Utkarsh

54: A HEALTHCARE ECOSYSTEM

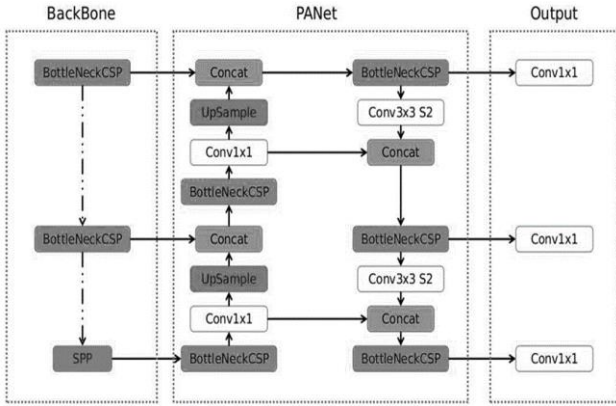
00: -
 The present invention is related to a healthcare ecosystem. According to the invention, there has been a significant change in how people live during the last few decades. Numerous unwanted and unavoidable health problems, like cancer, obesity, diabetes, etc., have been brought on by this transformation. One such serious medical complication is a heart attack or high blood pressure. The initial therapy for this is to regularly monitor oxygen levels and blood pressure to prevent any emergencies. This invention proposes a system to assess blood pressure, temperature, and oxygen saturation using electrocardiography (ECG) and photosynthetic myography (PPG). The pulse transit time is computed here to assess blood pressure using the ECG and PPG waveforms. The main reason producing an ECG and PPG is feasible is because an ECG is a measurement of the electrical actions of the heart using multiple electrodes, while a PPG uses an optical instrument that measures the arterial volume.



21: 2023/09836. 22: 2023/10/23. 43: 2024/04/23
 51: G06F
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: MAHAJAN, Chandrashekhar M., SHILASKAR, Swati, UGALE, Kavita, PANDE, Madhura Tushar, PANDAV, Sahish Ashok, PANCHAL, Soham Laxman, PANDE, Yogesh Ashokrao, PANDAGALE, Shivam Santuka, PANDEY, Ghanshyam Nareshwar

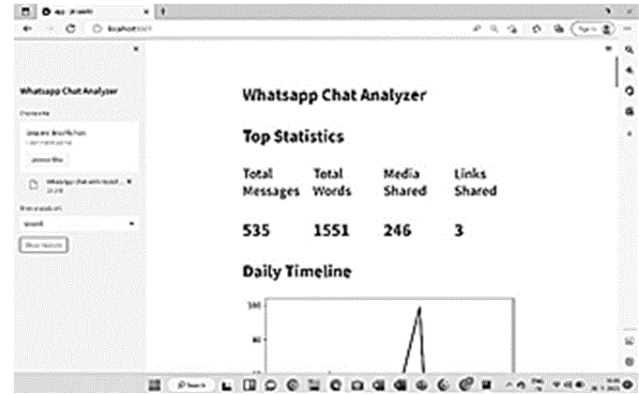
54: A SOFTWARE BASED SYSTEM FOR HELMET DETECTION

00: -
 The present invention related a software-based system for helmet detection. The invention is a software system for real-time helmet detection using machine learning and computer vision. The system utilizes the YOLOv5 algorithm for accurate and fast identification of helmets on motorcyclists in video footage. With an 80% probability of detection, the system aims to enforce helmet-wearing regulations, enhance road safety, and reduce motorcycle accident fatalities. Additionally, the system includes a feature for capturing number plates of non-compliant riders, facilitating further enforcement actions. The invention showcases the potential of machine learning in promoting helmet usage and safer road practices.



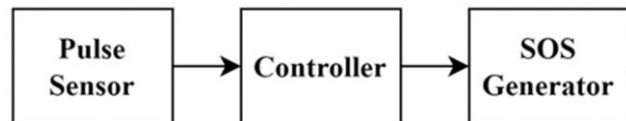
21: 2023/09837. 22: 2023/10/23. 43: 2024/04/23
 51: H04L
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: MANE, Vijay, CHAVAN, Puja, RAMTEKE, Priyanka, RAMTEKE, Prashil, PATIL, Suyog, RAUT, Prashant, SHETKAR, Pranav
54: A WHATSAPP CHAT ANALYZER

00: -
 The present invention is related to a WhatsApp chat analyser. Among all communication channels, WhatsApp has been the most popular and effective. Numerous individual and group conversations make up this as a result, they might contain some unstated facts. In this initiative, the data from those talks is thoroughly analysed. Regardless of the subject, this tool offers a thorough study of the information that WhatsApp provides. Matplotlib, Seaborn, Pandas, wordcloud, urlextract, emoji, collection, and nltk libraries, among others, were used in its construction. Graphs can be efficiently plotted using them, as can data frames. It is possible to apply this library to the largest dataset because it is used to build data frames and plot various graphs. It is a process of inspecting and modelling data with the goal of discovering some useful information and finally indicating some conclusions. A sentiment and chat analysis in the WhatsApp Chat Analyser, as well as group and individual analyses, can be done.



21: 2023/09838. 22: 2023/10/23. 43: 2024/04/23
 51: B60W
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: BHATLAWANDE, Shripad, GAVARASKAR, Rupali, GANDHI, Sayar, DHAWALE, Akshay, GAIKWAD, Abhishek
54: A CARDIAC EMERGENCY ALERT SYSTEM FOR AUTOMOTIVE DRIVERS

00: -
 The present invention relates to a cardiac emergency alert system for automotive drivers. It is extremely worrying that the prevalence of cardiac disorders has increased over the past few decades. In order to monitor patients' health, the system uses a heartbeat sensor that is coupled to an Arduino Uno board. The system sends an SMS containing the location of the incident to the closest medical centre in the event that any abrupt changes in the patient's heart rate are recognised using the preset logic. A web application was created to allow medical centres to register with the system. Once registered, the information is checked and added to the system's database. As a result, the user can save lives by using the health monitoring system to efficiently monitor patient health and notify emergency personnel.



21: 2023/09839. 22: 2023/10/23. 43: 2024/04/23
 51: A01D
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: KANJALKAR, Jyoti Pramod, KANJALKAR, Pramod Madhavrao, BHOITE, Aditya Ganesh, KULKARNI, Mrunmayee Vaibhav, MORE, Krushna

Rajendra, KHANDVIKAR, Tushar Sunil, HARDE, Monali Gitaram, SALVI, Kajal Ashok
54: A SEMI AUTOMATIC COTTON HARVESTING SYSTEM

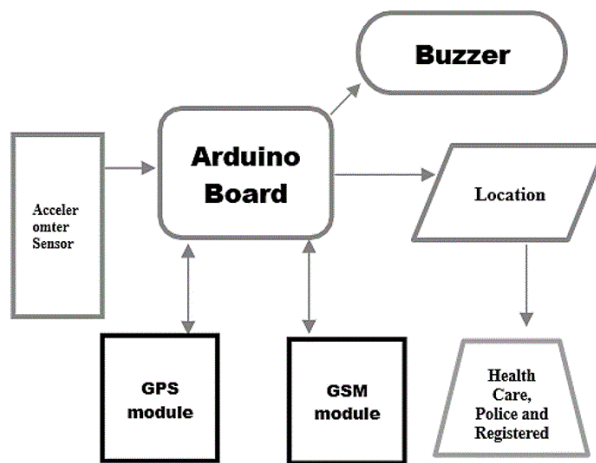
00: -
 The present invention related is a semi-automatic cotton harvesting system. Farmers around the globe face a lot of difficulties harvesting crops because of unpredictable weather conditions and the scarcity of appropriate deployable technology. In developing countries like ours, the cotton harvesting operation is performed manually. Harvesting robots can be a good alternative for the selective picking of cotton bolls from the field. In this invention, the user starts from scratch by describing the cotton scenario, the ways and techniques and technologies previously deployed in the field, the cotton market and hence why it is important, and lastly, a proposal of modern designs to automate the process, if not wholly then partially, for better efficiencies throughout the operation. Hence, a describe our ideas on the design of the cotton harvesting machine.



21: 2023/09840. 22: 2023/10/23. 43: 2024/04/23
 51: G08G
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: JALNEKAR, Rajesh M., WAIKAR, Rahul, THOPATE, Kaushalya, KAWANE, Sandesh Pravin, SANGALE, Atharv Sharad, SANGALE, Onkar Shivaji, BAGMARE, Sandesh Narendra, SANGE, Zaki
54: A VEHICLE ACCIDENT ALERTING AND DETECTING SYSTEM

00: -
 The present invention related to a vehicle accident alerting and detecting system. The invention designed to address the growing concern of road accidents. The system incorporates an

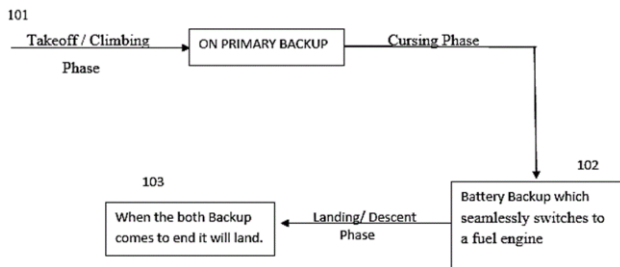
accelerometer and gyroscope sensor integrated into vehicles, along with an Arduino UNO board, GPS module, GSM module, and a buzzer. When an accident occurs, the sensor detects the impact and activates the system. The GPS module determines the accident location, and the GSM module sends alert messages containing coordinates to emergency response authorities and the car owner's mobile phone. The system aims to minimize accident consequences by providing prompt emergency assistance and enhances vehicle security through tracking and monitoring capabilities. This invention offers a comprehensive solution to improve road safety and emergency response mechanisms.



21: 2023/09841. 22: 2023/10/23. 43: 2024/04/23
 51: B64C
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: SHINDE, Sandip R., MANE, Deepak T., SHEKHAWAT, Harshvardhan, GORE, Ashutosh, UPADHYE, Gopal D., KAULAGE, Anant N.
54: A SOLAR POWERED HYBRID UNMANNED AERIAL VEHICLE FOR EXTENDED SURVEILLANCE FLIGHT TIME

00: -
 The present invention related a solar powered hybrid unmanned aerial vehicle for extended surveillance flight time. The Hybrid unmanned aerial vehicle (UAV) with solar technology is a novel approach designed to address the limitations of conventional unmanned aerial vehicles (UAVs) by incorporating solar panels to extend flight time for surveillance missions. The UAV's innovative features include laminar induced bodies, a graphene-aluminium composite structure, blended winglets, axial motors,

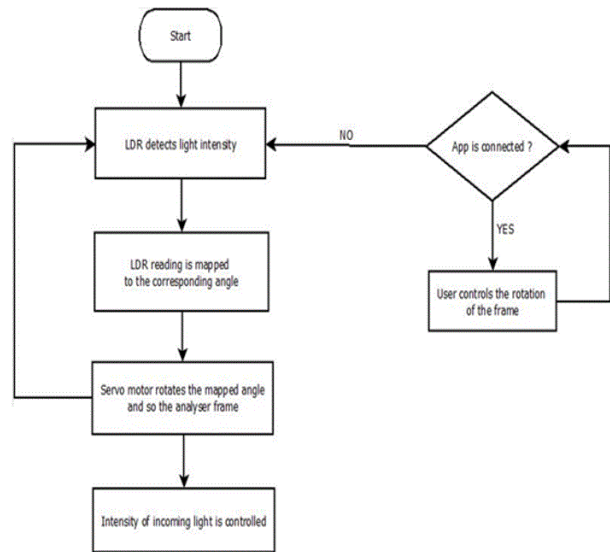
and a ducted propulsion system. During flight, the solar panels recharge the on-board battery, significantly increasing the unmanned aerial vehicles (UAVs) flight time and operational efficiency. By relying on solar energy, the dependency on conventional fuel is minimized, leading to cost savings and reduced carbon emissions, promoting environmental sustainability. The proposed design offers improved aerodynamic performance, stability, and payload capacity. Overall, the Hybrid unmanned aerial vehicle (UAV) presents a cost-effective, environmentally friendly solution with extended flight capabilities, making it ideal for surveillance, mapping, and other long-range aerial applications.



21: 2023/09842. 22: 2023/10/23. 43: 2024/04/23
 51: H05B
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: MAHAJAN, Chandrashekhar M., POL, Madhumati N., SALUNKHE, Raj Satish, SAMARTH, Amit Suresh, UPARE, Samarth Santosh, SALVE, Sahil Avinash, SALUNKHE, Shivraj Prakash
54: A SMART WINDOW SYSTEM FOR CONTROLLING SUNLIGHT INTENSITY
 00: -

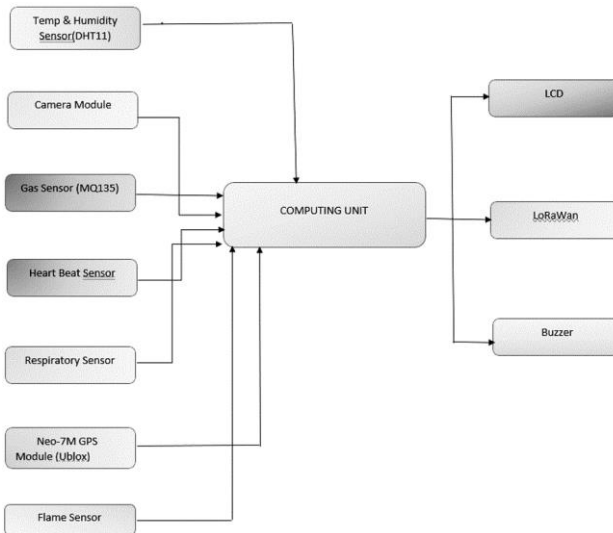
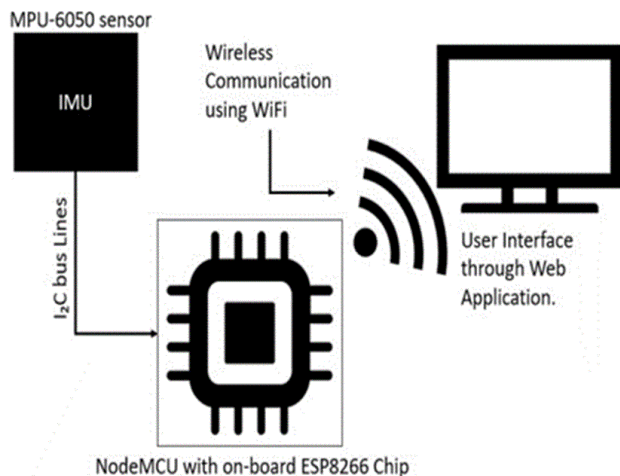
The present invention related a smart window system for controlling sunlight intensity. This invention proposes a smart window system that utilizes polarization technology to control the intensity of sunlight entering a room through windows. The system consists of a light-dependent resistor (LDR) sensor, a servo motor, an Arduino UNO R3 microcontroller, and an HC-05 Bluetooth module. The LDR measures sunlight intensity, and the polarizer and analyzer frames regulate the amount of light passing through the window. A mobile application enables manual or automated control of the servo motor, allowing users to adjust incoming sunlight and enhance indoor comfort. The cost-effective and easy-to-set-up smart window system aims to reduce discomfort caused by intense

sunlight, benefiting occupants with improved lighting conditions.



21: 2023/09843. 22: 2023/10/23. 43: 2024/04/23
 51: G01B
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: LAMBOR, Shilpa, PARKHI, Vrinda, KULKARNI, Swagat, SATTIGERI, Soham, SURANA, Anshul, DESHPANDE, Vaishnavi, SURYAWANSHI, Sagar
54: A WIRELESS WHEEL ALIGNMENT AND ANGLE MEASUREMENT SYSTEM
 00: -

The present invention related is a wireless wheel alignment and angle measurement system. The alignment of the wheels influences the performance of the car. The current wheel alignment monitoring systems involve huge machines with high costs of implementation and maintenance. As the process is complicated, it requires a skilled worker, which can sometimes lead to human error. The process of balancing the vehicle is time-consuming as it involves multiple sub processes. One of the processes is to identify the error and later determine which wheel is balanced. Identifying errors takes more time. Thus, identifying the same as an issue to re-align the wheels of a vehicle, a sophisticated method using advanced technologies and IOT assistance for identifying errors in vehicle alignment using the ESP8266 (NodeMCU) and MPU-6050 sensor module. Implementing a wireless communication system of sensors and nodes makes it easy to exchange data and hence, identify the error in much reduced time.



21: 2023/09844. 22: 2023/10/23. 43: 2024/04/23
51: G05B

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SHINDE, Sandip Ramrao, UPADHYE, Gopal Dadarao, DAVANGE, Pratik Gopal, CHAUDHARI, Pratik Dinkar, SURYAWANSHI, Ranjeetsingh Shahajirao, MANE, Deepak Tatyasaheb

54: A HELMET WITH SAFETY AND MONITORING SYSTEM FOR MINE WORKERS

00: -

The present invention is related to a helmet with safety and monitoring system for mine workers. This patent invention describes an intelligent helmet designed to improve the safety and efficiency of coal miners. The helmet includes several sensors and modules, such as a flame, temperature, and humidity sensor, a heartbeat sensor, a respiratory sensor, a camera module, a LoRaWAN module, a Ublox Neo M-7 GPS module, MQ135, and an ESP 32. The combination of these sensors provides real-time monitoring and alerts to the miners and their supervisors, enhancing their safety while working in hazardous environments. The LoRaWAN module enables data transmission to a remote location, where data can be monitored and analyzed, leading to improved safety practices and productivity.

21: 2023/09845. 22: 2023/10/23. 43: 2024/04/23
51: G06Q

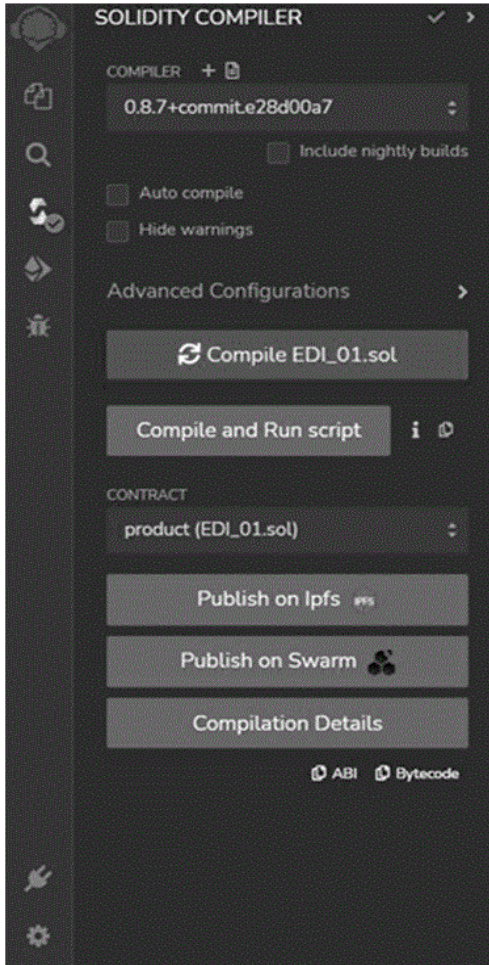
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: GAIKWAD, Vijay, CHOLKE, Puja, JAGDALE, Makarand, JAYBHAYE, Shweta, JAGTAP, Shreyash, JADHAV, Atharva

54: A FAKE PRODUCT IDENTIFICATION SYSTEM BASED ON BLOCK CHAIN AND SOLIDITY

00: -

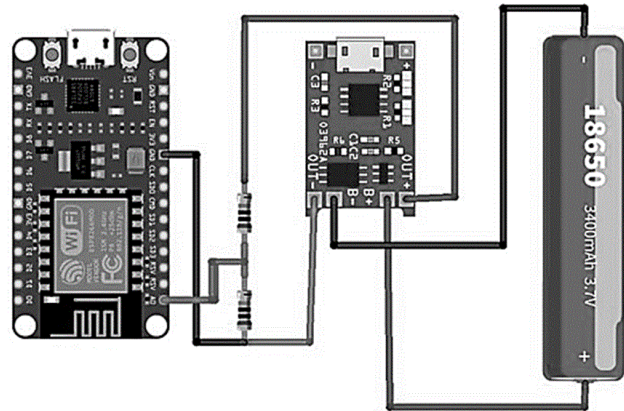
The present invention is related to a fake product identification system based on block chain and solidity. Block chain technology is considered one of the most revolutionary technologies in today's world. Cryptocurrency plays an important role in this. The technology makes transactions immutable, provides privacy to the users, and makes the whole system decentralised. This technology has been used in many domains, such as Finance, medicine, E-commerce, and supply chain management. In existing systems, we observed drawbacks like Complexity, Huge gas consumption, etc., so in the proposed system, finding whether the product is authentic or not is made simpler, and the user can also sell their product again if they want, and all this information will be saved in the network as a transaction and will be immutable.



21: 2023/09847. 22: 2023/10/23. 43: 2024/04/23
 51: H02J
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: MAHAJAN, Chandrashekhar M., SAWANT, Sachin S., KOLI, Sarvesh Ashok, BHAT, Komal, KOKATE, Prerna Dilip, KOLEKAR, Bhagwat Vinod, KOLHE, Siddhant Indrajeet
54: AN IOT BASED BATTERY MONITORING SYSTEM

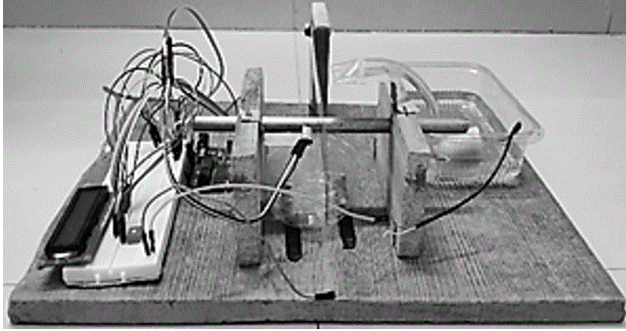
00: -
 The present invention is related to an IOT-based battery monitoring system. In this invention describes the Internet of Things (IOT) application in battery performance monitoring. It is clear that electrical equipment is entirely dependent on battery power. However, the amount of power supplied to electrical equipment will gradually decrease, resulting in poor performance. This is a major concern in battery manufacturing. This task proposes the idea of using IOT technology to

monitor device performance, so monitoring can be done directly.



21: 2023/09848. 22: 2023/10/23. 43: 2024/04/23
 51: B23K
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: SONDKAR, Shilpa, BHANUSE, Vijaykumar
54: AN AUTOMATIC COOLANT SYSTEM FOR METAL CUTTING MACHINE

00: -
 The present invention is related to an Automatic Coolant System for Metal Cutting Machine. This invention involves the implementation of an automatic coolant system in a hacksaw cutting machine where the coolant is applied over the cutting portion of the metal automatically instead of requiring manual operation by the operator. A small prototype here, the basic idea behind it is to develop the automatic coolant system, which will depend on the minimum and maximum heating temperatures of the specific metal set by the programmer given to the Arduino. While cutting, if metal reaches its heat point, the coolant will be dropped automatically on that cutting portion of the metal through the pump by sensing the temperature using a sensor, and the rpm speed of the pump will be changed according to the temperature set. Compared to the manual cooling power hacksaw, the automatic cooling power hacksaw machine is obviously more efficient in terms of time and energy savings.



21: 2023/09849. 22: 2023/10/23. 43: 2024/04/23
51: H04L

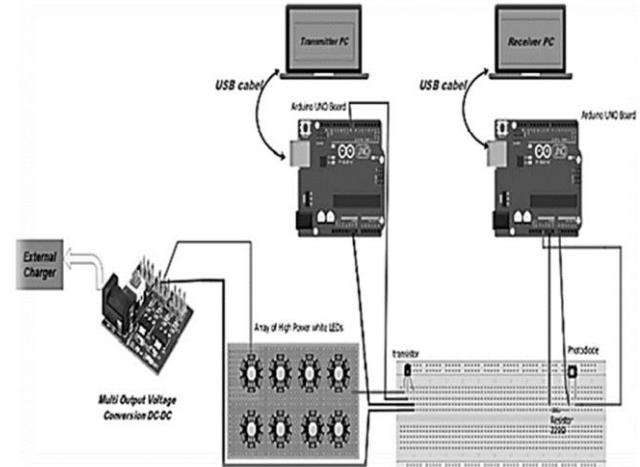
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MARATHE, Ashutosh S., JOSHI, Anita S., MAHAJAN, Chandrashekhar M., MUNDHE, Apoorva, KULKARNI, Apoorva, JOSHI, Archit, Kothawade, Archit, Tyagi, Arjun

54: A DATA TRANSFER SYSTEM USING LI-FI TECHNOLOGY

00: -

The present invention is related to a data transfer system using Li-Fi technology. Light Fidelity (Li-Fi) is a new technology that has been developed in the last couple of years and still needs further examination and trials to prove its perfection as a substitute for Wi-Fi technology. Li-Fi uses light as a medium of communication rather than traditional radio frequencies as in Wi-Fi. Li-Fi technology has the same essential features as Wi-Fi, such as being ideal for high-density wireless data coverage in a confined area and reducing radio interference issues. In this invention, a PC-to-PC wireless data transfer system is proposed based on Li-Fi technology. Data is transmitted from the transmitter PC via the light of an array of white LEDs connected to the Arduino UNO. The data is then received on the PC receiver using a photodiode connected to another Arduino UNO device to sense the light and interpret it in its original format.



21: 2023/09850. 22: 2023/10/23. 43: 2024/04/23
51: G05B

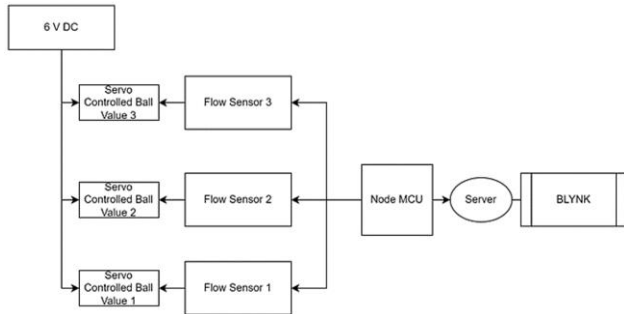
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: JALNEKAR, Rajesh, BHANUSE, Vijaykumar

54: A SMART WATER DISTRIBUTION CONTROL SYSTEM IN BUILDING

00: -

The present invention is related to a smart water distribution control system in building. According to the invention, a smart water distribution control system in a building is a modern water management approach that leverages advanced technologies to optimize water usage, minimize waste, and enhance water conservation. In this system, the water distribution network is monitored and controlled using a network of sensors, actuators, and control systems that work together to regulate the flow and pressure of water throughout the network. A smart water distribution control system uses real-time data acquisition and processing to create a dynamic model of the water network that can be used to forecast water demand and optimize water usage. The system can be configured to adjust water flow based on changes in demand, reducing the likelihood of water shortages and ensuring an adequate supply of water for all consumers in the building.



21: 2023/09851. 22: 2023/10/23. 43: 2024/04/23
51: G01N

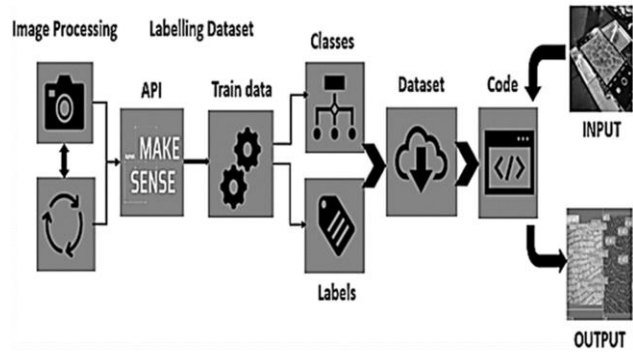
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MAHAJAN, Chandrashekhar M., SAWANT, Sachin S., LATHIYA, Devansh, LANGHE, Aditya, LAUTAWAR, Tanmay, LIKHITKAR, Pranali, LOKHANDE, Hrishikesh, LOHAR, Durva

54: A MICROSCOPIC COMPUTER VISION AND ANALYTICS SYSTEM

00: -

The present invention is related to a microscopic computer vision and analytics system. Digital microscopes are microscopes with high resolution that are mainly used to do research in microbiology. Such microscopes have the ability to magnify the sample slide to such an extent that we can see the smallest detail on the slide. The proposed model of digital microscope is small, cheap, and can be assembled anywhere without the use of specific tools. A platform that helps in analysing the images taken with the help of our digital microscope was also created. The camera of a mobile phone is used in this model to see and take pictures of the sample slide, which makes this model customizable according to the user's needs. The dataset was created for this model using makesense.ai. And can be trained using Google Collab to get better results in the output. This dataset works as an image processing tool for microscopic images.



21: 2023/09852. 22: 2023/10/23. 43: 2024/04/23
51: H04N

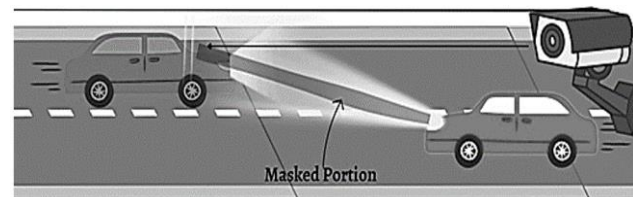
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: CHINCHMALATPURE, Sheela, RAJGURU, Tejas, SAVJI, Pushkraj, SHAMBHARKAR, Sayali, SHELKE, Dheeraj

54: AN IMAGE PROCESSING BASED ANTI GLARE SYSTEM FOR FOUR WHEELER VEHICLES

00: -

The present invention is related to an image processing based anti-glare system for four wheeler vehicles. According to the invention, a smart anti-glare system that reduces the risk of accidents during nighttime driving due to the glare caused by oncoming vehicles. The projector headlights and their transmittance can be independently controlled. According to the position of the oncoming vehicle, each headlight will act differently. The intensity of light rays is controlled by detecting the headlights of an oncoming vehicle, which helps the driver have a glare-free view. The prototype uses a projector to apply a black screen to the windscreen of the car, which allows us to reduce the light intensity in front of the driver's eyes. The camera input image is grayscale and finds the brightest pixel to find light intensity.



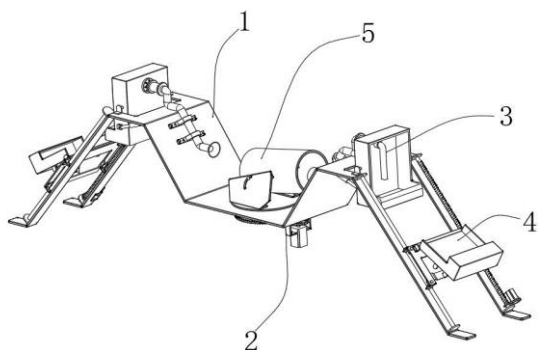
21: 2023/09855. 22: 2023/10/23. 43: 2024/04/23
51: B65G

71: Anhui Lutai Electric Technology Co., Ltd.
72: Yanxue Zhang, Xiulian Liu

54: AN AUTOMATIC MIXING EQUIPMENT FEEDING DEVICE AND AN APPLICATION METHOD

00: -

The invention relates to the technical field of a stirring device, in particular to a feeding device for an automatic stirring device and a method for using it. The invention comprises: a supporting frame, the middle of the top of the supporting frame is provided with a slot hole, the slot hole is provided with a steering component, the steering component drives the stirring tank to rotate; The two groups of feeding components are respectively installed on both sides of the supporting frame; Two groups of driving components, the two groups of driving components are respectively arranged at the back end of the supporting frame on both sides of the lower part of the driving component to drive the feeding component to move; The two groups of feeding components are respectively arranged on both sides of the top of the supporting frame; Its beneficial effect is: the staff can put the raw materials to be stirred into the feeding box. The driving component with screw rod and guide rod can pour the mixing raw materials into the storage box, and the impurity pump with the feeding pipe can pump the raw materials into the stirring tank. This simplifies the manual feeding step, reduces the workload of the staff, and improves the work efficiency.

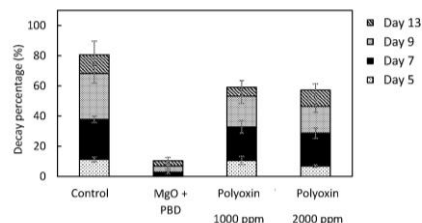


21: 2023/09856. 22: 2023/10/23. 43: 2024/04/23
51: A01N; A01P
71: DEAD SEA BROMINE COMPANY LTD.
72: ABUELHAIGA, Mohammed, ROZEN, Reuven,
FUX, Nikolay, FRENKLACH, Alexander
33: US 31: 63/184,820 32: 2021-05-06

54: AQUEOUS DISPERSIONS OF MAGNESIUM COMPOUNDS FOR USE IN PRESERVATION OF HARVESTED PRODUCTS

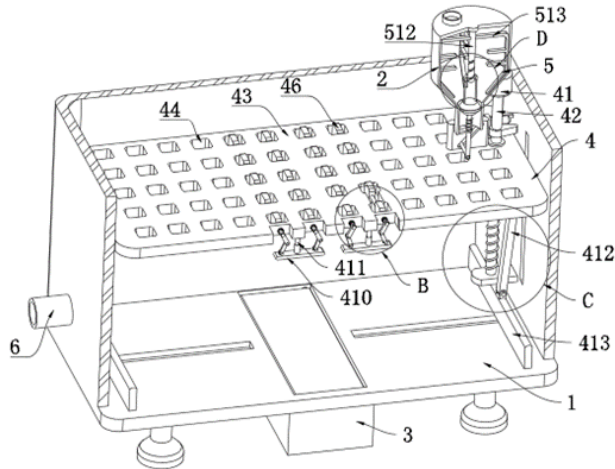
00: -

The present disclosure generally relates to aqueous suspensions comprising very slightly water soluble or water-insoluble magnesium compounds such as magnesium oxide and/or magnesium hydroxide, in particular for use in prolonging the shelf life of agricultural food products, such as fruit and vegetables and for protecting harvested produce from decay by fungal infections.



21: 2023/09860. 22: 2023/10/23. 43: 2024/05/03
51: B01F; C02F
71: FUJIAN LONGFU NEW MATERIALS CO., LTD
72: FU, Weixing, QIU, Hanlin, CHEN, Sanfeng, ZOU,
Dingfu, FU, Futeng
33: CN 31: 202310061854.X 32: 2023-01-17
54: WASTEWATER COLLECTION POOL FOR HYDROGEN FLUORIDE PRODUCTION
00: -

The present invention relates to the technical field of wastewater treatment, and particularly relates to a wastewater collection pool for hydrogen fluoride production, including a collection box. An upper end face of the collection box is provided with a dissolving bucket, a lower end face of the collection box is communicated with a discharging box, an inner cavity wall of the collection box is provided with a precipitate suction prevention mechanism, and an inner cavity wall of the dissolving bucket is provided with a lime dissolving and discharging mechanism. According to the wastewater collection pool for hydrogen fluoride production, precipitates cannot be pumped out when wastewater is pumped out, and thus, the effect of solid-liquid separation is achieved, the situation that the precipitates are sucked to result in that a suction pipe is blocked is prevented, and no harmful substances in the precipitates are discharged to the outside.



21: 2023/09875. 22: 2023/10/23. 43: 2024/04/23
51: H01H

71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.

72: AO, Denggui, LU, Dengyu, FU, Hao, XU, Yongfu, YUAN, Xiaoqin, YAN, Lijun, WANG, Chuncui

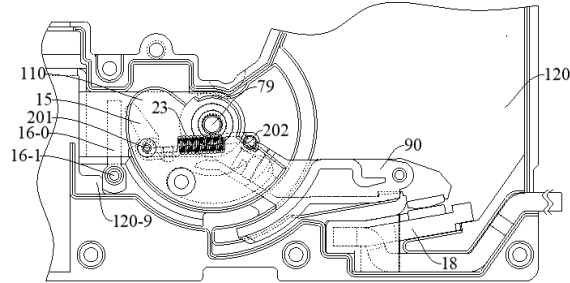
33: CN 31: 202110809551.2 32: 2021-07-15

54: CIRCUIT BREAKER AND QUICK TRIPPING DEVICE THEREOF

00: -

The present invention relates to the field of low-voltage electric appliances, in particular to a quick tripping device of a circuit breaker. A contact system of the quick tripping device includes a moving contact mechanism and a static contact, wherein the moving contact mechanism includes a contact support and a moving contact; the moving contact mechanism further includes a contact spring, and two ends of the contact spring are connected with the moving contact and the contact support respectively. The quick tripping device further includes a first transmission structure, wherein the first transmission structure is in driving fit with the contact spring and rotates along with the contact spring. When a short-circuiting current flows through the contact system, the moving contact is repelled by an electric repulsive force between the moving contact and the static contact, so that the moving contact rotates relative to the contact support. The moving contact drives the first transmission structure to rotate through the contact spring, and the first transmission structure drives an operating mechanism to trip. The quick tripping device is simple in structure and convenient to assemble, and capable of achieving quick tripping of the circuit

breaker. The present invention further relates to a circuit breaker including the quick tripping device. The quick tripping device can avoid secondary closing of the circuit breaker.



21: 2023/09876. 22: 2023/10/23. 43: 2024/04/23
51: H01H

71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.

72: YAO, Wei, AO, Denggui, XU, Yongfu, SHEN, Gaoqiang, WANG, Chuncui, CAO, Dajun

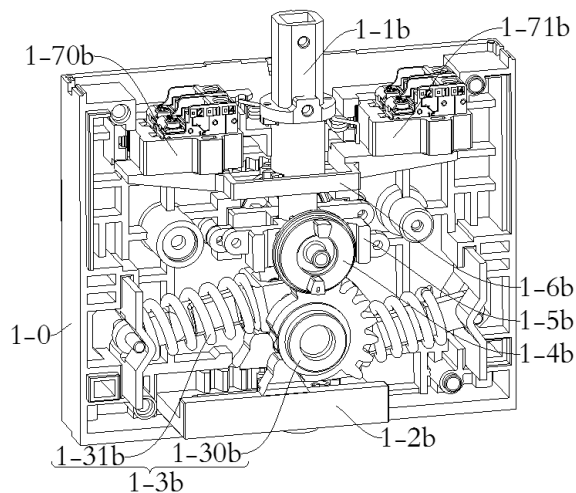
33: CN 31: 202111016954.8 32: 2021-08-31

54: OPERATING MECHANISM AND SWITCHING DEVICE

00: -

The present invention relates to the field of low-voltage electric appliances, in particular to an operating mechanism. A second operating shaft assembly of the operating mechanism is in driving fit with a second transmission structure. The second operating shaft assembly rotates around its axis to drive the second transmission structure to reciprocate. One end of a second energy storage spring structure is in driving connection to an energy storage shaft while the other end of the second energy storage spring structure is arranged rotatably. The second transmission structure is in driving fit with the energy storage shaft to drive the energy storage shaft to rotate, so that the second energy storage spring structure stores energy. The second energy storage spring structure releases energy after turning past a second dead center position to drive the energy storage shaft to rotate. The energy storage shaft includes an energy storage shaft gear, a power output structure includes a power output gear shaft, and the energy storage shaft gear is engaged with the power output gear shaft to drive the power output gear shaft to rotate. The operating mechanism can flexibly adjust a breaking speed and an opening distance of a conductive device connected to the operating

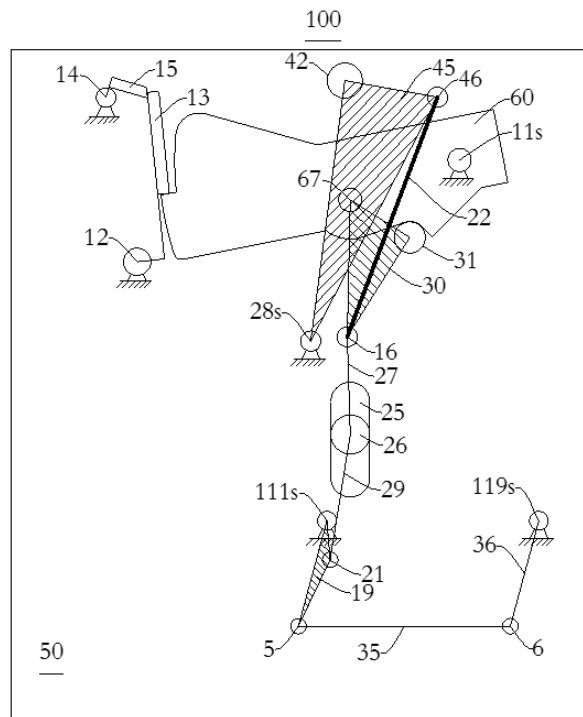
mechanism. The present invention further relates to a switching device including the operating mechanism. The switching device can adjust the breaking speed and the opening distance of the conductive device according to needs without changing the volume.



21: 2023/09878. 22: 2023/10/23. 43: 2024/04/23
 51: H01H
 71: CHINT LOW VOLTAGE ELECTRICAL TECHNOLOGY CO., LTD.
 72: AO, Denggui, LU, Dengyu, YAN, Lijun, XU, Yongfu, YUAN, Xiaoqin
 33: CN 31: 202110962095.5 32: 2021-08-20
54: CIRCUIT BREAKER AND OPERATING MECHANISM THEREOF

00: -
 The present invention relates to the field of low-voltage electrical appliances, in particular to an operating mechanism of a circuit breaker. A second connecting rod assembly of the operating mechanism includes a second crank pivotally disposed around a tenth axis, a third connecting rod, and a third crank pivotally disposed around an eleventh axis. The second crank is further rotatably connected to the third connecting rod through an eighth shaft, the third connecting rod is further rotatably connected to the third crank through a ninth shaft, a first connecting rod assembly is further rotatably connected to the second crank through a seventh shaft, and all the shafts and the axes are spaced in parallel. The tenth axis or the eleventh axis coincides with a rotation axis of a moving contact mechanism, and the eighth shaft or the ninth shaft is in driving connection with the moving contact

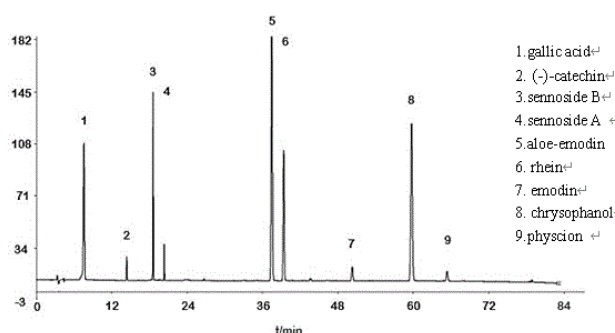
mechanism so as to drive the moving contact mechanism to rotate. The operating mechanism provides a plurality of modes of connection with the moving contact mechanism, thereby facilitating the design of a contact system of the circuit breaker. The present invention further relates to a circuit breaker including the operating mechanism, and a position relation between the operating mechanism and the moving contact mechanism can be flexibly adjusted according to needs.



21: 2023/09888. 22: 2023/10/24. 43: 2024/04/24
 51: A61K
 71: Institute of Chinese Materia Medica, China Academy of Chinese Medical Sciences
 72: LI Raorao, XIN Xueying, XING Zi, LI Chun, GU Xuezhong, LUO Lu, LI Pengyue
54: QINGNING TABLETS OBTAINED BASED ON AN INTEGRATED PREPARING AND PROCESSING METHOD

00: -
 The present invention discloses Qingning tablets obtained based on an integrated preparing and processing method, which includes the following steps: taking fresh rheum officinale, removing cork skin, picking out impurities, cutting into blocks with a volume of 1–8 cm³, weighing, and decocting with water for 1–3 hours; adding yellow rice wine and decocting for 8–12 hours until the rheum officinale is

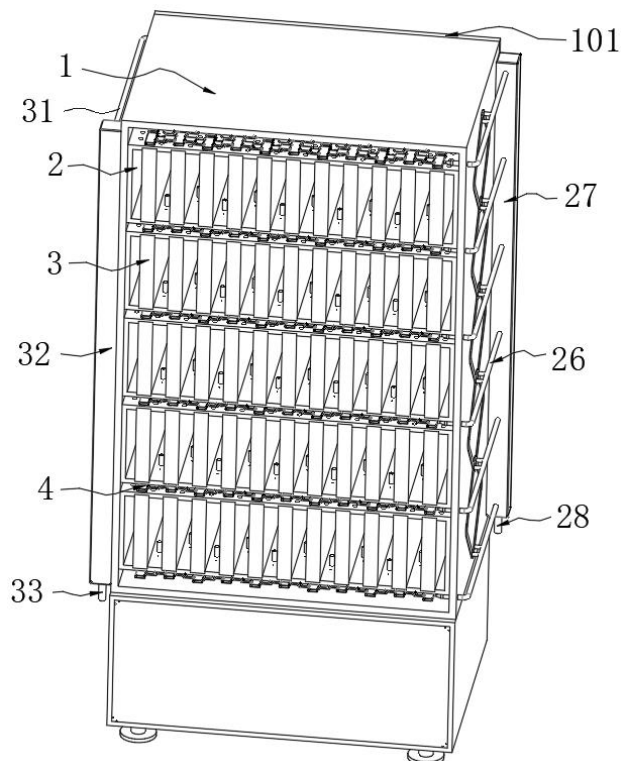
in a mud like form, obtaining rheum officinale mud; taking the blocks again, drying, crushing, and sieving to obtain dried rheum officinale powder; mixing the rheum officinale mud, the dried rheum officinale powder, the yellow rice wine, and refined honey evenly and kneading them into a ball shape, and after decocting for 1–3 hours, kneading them into long strips and moistening for 8–12 days, and cutting them into sheets with a thickness of about 0.5–1.5 cm, and drying them to constant weight to obtain the Qingning tablets. The content of the free anthraquinone in the Qingning tablets prepared by this method significantly increased, which not only maintained the laxative activity of traditional processed products but also enhanced their antibacterial and anti-inflammatory activities. Therefore, the integrated preparing and processing method from the origin is superior to traditional processing method.



21: 2023/09889. 22: 2023/10/24. 43: 2024/04/24
51: H05K
71: CHINA SOUTHERN POWER GRID BIG DATA SERVICE CO., LTD
72: LIU, Yun, ZHAN, Haoqin, LI, Xueyan, XU, Weishu
33: CN 31: 202211672388.0 32: 2022-12-26
54: LAYERED HEAT-DISSIPATION LIQUID COOLING CABINET
00: -

A layered heat-dissipation liquid cooling cabinet is disclosed including a cabinet, layered racks, and a plurality of liquid cooling components. A plurality of modules are plugged into each layered rack. The layered racks are vertically distributed in the cabinet. A plurality of the liquid cooling components and the layered racks are distributed apart. Each layered rack is arranged into a frame structure with openings at two ends. The top of the layered rack is provided with ventilation holes. Gap grooves are provided

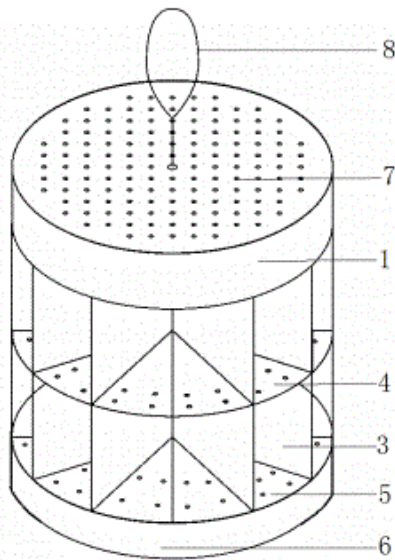
between adjacent modules in the layered rack. A perforation is provided on a bottom inner wall of each gap groove. Heat gas between different layered racks is separated to prevent heat overload caused by concentration of overall heat in the cabinet on a top end thereof and enable the perforations to be communicated up and down when a region where a layered rack is overheated due to operation.



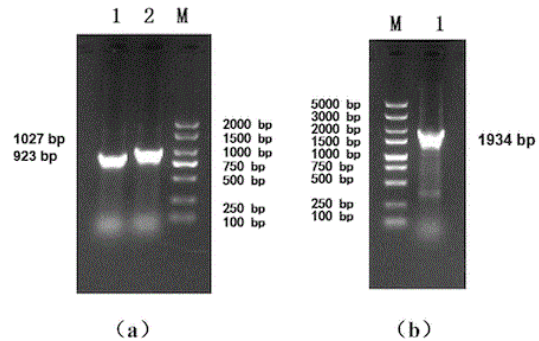
21: 2023/09890. 22: 2023/10/24. 43: 2024/04/24
51: B65D
71: Guangdong Institute of Tobacco Science
72: YOU, Ziyi, DENG, Haibin, CHEN, Dexin, SUN, Zheng, WANG, Jun
33: CN 31: 2023225671724 32: 2023-09-20
54: PACKAGING, TRANSPORTING, AND FIELD-RELEASING DEVICE FOR NATURAL ENEMIES OF PREDATORY PENTATOMOIDEA
00: -

The present invention discloses a packaging, transporting, and field-releasing device for natural enemies of predatory pentatomoidea and relates to the technical field of natural enemy storing and releasing devices. The device includes a tank, a spacer plate component, and a pull rope. An upper cover is detachably connected to the tank. The

spacer plate component is arranged inside the tank to divide the tank into a plurality of lattices. The pull rope is arranged on the spacer plate component and penetrates through the upper cover. Air vents are arranged on both the tank and the upper cover. The lattices are used for storing natural enemies of pentatomoidea and foods. The independent lattices are arranged in the device to store, transport and release natural enemies of predatory pentatomoidea such as *Rhynocoris fuscipes*, *Eocanthecona furcellata*, and *Arma chinensis* Fallou.



genes. The back-up strain was obtained by back-up expression of *phoP* gene on the basis of single mutant or double mutant strain. The results of immune protection experiment showed that compared with PBS group, the relative immune protection efficiency (RPS) of *deltaphoP* mutant was increased by 40%, and the highest RPS (67.5%) of *deltaphoP*+ *CphoP* replacement strain was displayed. The RPS of *delataphoP**deltaphoBR* mutant decreased by 10% and 17.5% compared with *deltaphoP* mutant and *deltaphoBR* mutant, respectively. However, the RPS of *deltaphoP**deltaphoBR* + *CphoP* complement was 2.5% and 10% higher than that of *deltaphoP* and *deltaphoBR*, respectively. This provides the research basis and technical means for the subsequent development of attenuated vaccines.

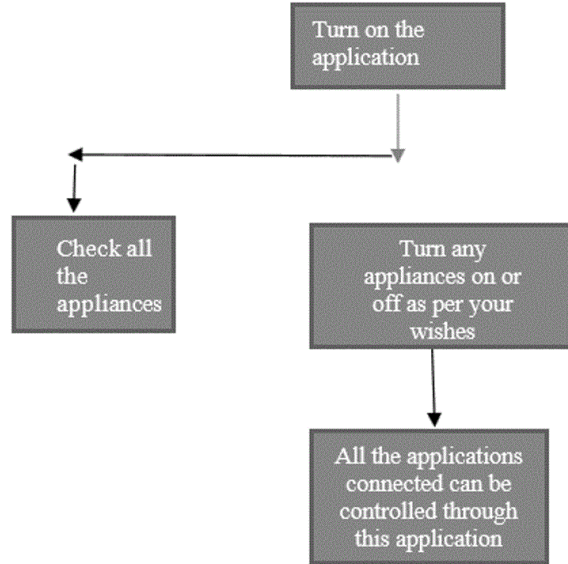
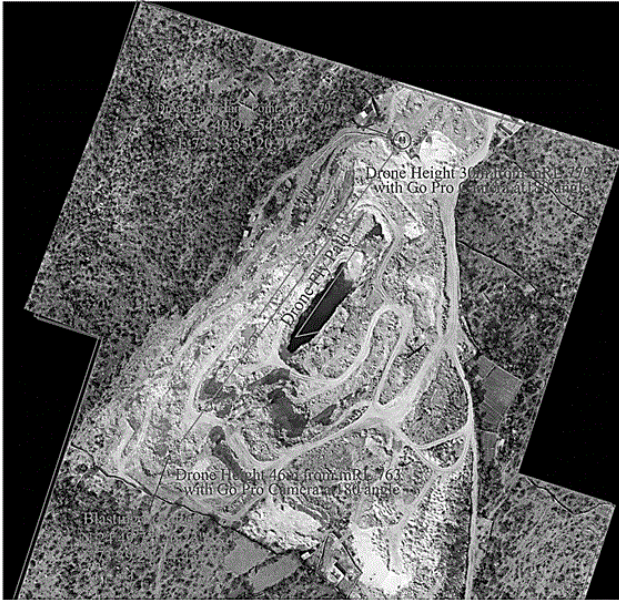


21: 2023/09891. 22: 2023/10/24. 43: 2024/04/24
 51: C12N
 71: Hainan University
 72: Xuesong Li, Jiping Zheng, Guiying Guo, Jifeng Zeng, Nuo Yang, Lixia Fan
 33: CN 31: 202311207881.X 32: 2023-09-18
54: A SINGLE MUTANT STRAIN, A DOUBLE MUTANT STRAIN OR A COMPLEMENT STRAIN OF AEROMONAS DHAKENSIS PHOP OR PHOBR, A CONSTRUCTION METHOD AND AN APPLICATION THEREOF

00: -
 The invention discloses a single mutant strain, a double mutant strain or a complement strain of *Aeromonas dhakensis phoP* or *phoBR*, a construction method and an application thereof. The single mutant strain was obtained by deletion of *phoP* or *phoBR* gene on the basis of the wild strain of *Aeromonas dhakensis*; The double mutant was obtained by deletion of both *phoP* and *phoBR*

21: 2023/09894. 22: 2023/10/24. 43: 2024/04/24
 51: H04L
 71: KAUSHAL, Hitanshu, BHATNAGAR, Anupam
 72: KAUSHAL, Hitanshu, BHATNAGAR, Anupam
54: A PROCESS OF SELECTING THE SECURED POSITION OF THE DRONE FOR MAPPING LIVE MINE BLASTS

00: -
 The present invention related to a process of selecting the secured position of the drone for mapping live Mine blasts. The invention aims to design best process for estimating safest and optimum height of the Drone/ UAV for capturing and mapping Live mine blast drone mapping is a promising technique in mining operations, utilizing drones with high-resolution cameras to capture detailed images and videos before, during, and after blasting accuracy. This process will make the Drone to capture mining blast for further analysis the fragmentation and environment management of the mining lease.

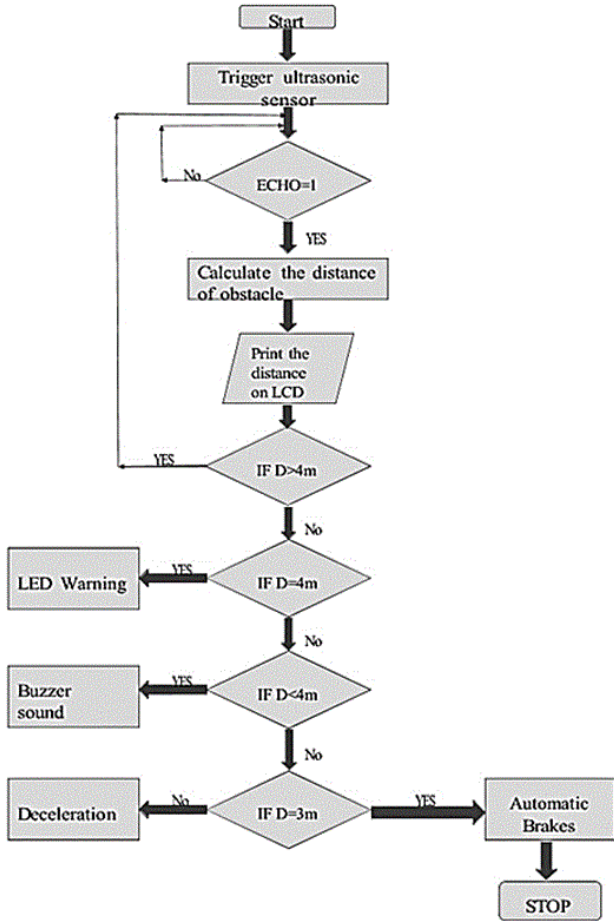


21: 2023/09897. 22: 2023/10/24. 43: 2024/04/24
 51: H04L
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: SHILASKAR, Swati, MARATHE, Ashutosh S., MANDE, Smita S., NAGRALE, Aditya Vinod, NAGRALE, Rutuj Naresh, NADAF, Sumaiyya Jahangir, NAGRE, Hruha Gajanan
54: A HOME CONTROL AND ENVIRONMENTAL MONITORING SYSTEM

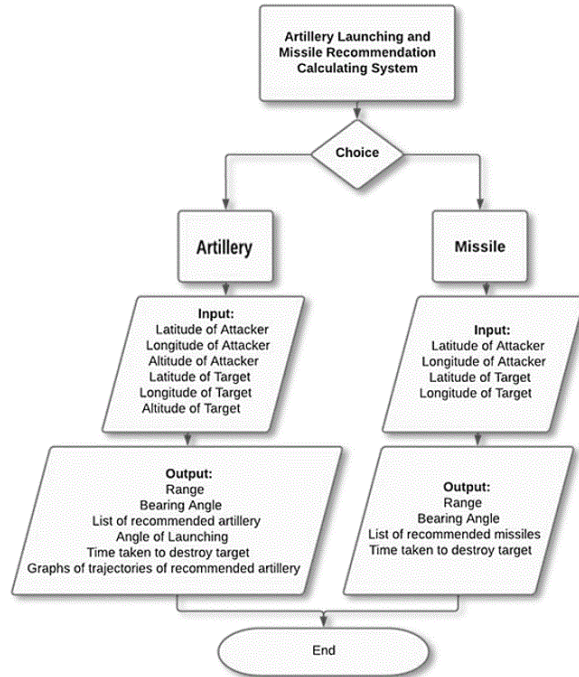
00: -
 The present invention related a home control and environmental monitoring system. The invention presents a low-cost and flexible home automation system that utilizes an Arduino Mega 2560 microcontroller with an embedded micro-web server. The system enables remote access and control of devices and appliances within the home through a web application or Bluetooth Android smartphone app. With the integration of mobile devices, cloud networking, and wireless communication, users can manage lighting and appliances effortlessly. The system's unique in-home wireless remote control eliminates the need for a mobile carrier or internet connection, making it a cost-effective and expandable solution for smart home automation.

21: 2023/09898. 22: 2023/10/24. 43: 2024/04/24
 51: G08G
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: SAWANT, Sachin S., DHAKE, Rajesh, CHANDWANI, Neeraj, CHARJAN, Anuja, CHANDANSHIVE, Sumitkumar, CHANDRAPATLE, Akshat, CHANNAWAR, Shreya
54: ANTI CRASH AUTOMATIC DETECTION SYSTEM FOR VEHICLES

00: -
 The present invention is related to an anti-crash automatic detection system for vehicles. An obstacle-avoiding robot vehicle and an automatic braking system. The robot is created using an ultrasonic sensor and is controlled by an Arduino microcontroller. This invention aims to scale back the number of accidents that cause the worst damage, serious injury, and even death using automation. This method detects obstacles and alerts the motive force through a buzzer and LED. Also, this technique has an automatic braking system whenever there's an obstacle in the way. The rpm of the vehicle will be displayed on the LCD screen. The development, application, and technical implementation are all discussed in this work.



save them time and give them an estimation of the other facts related to the launch.



21: 2023/09899. 22: 2023/10/24. 43: 2024/04/24
51: F41F
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
72: JALNEKAR, Rajesh M., MAHAJAN, Chandrashekhar M., DOMBALE, Anita B., KADAM, Atharv, KACHARE, Mitali, KABARA, Pranita, JOSHI, Soumil, KADAM, Devika

54: AN ARTILLERY LAUNCHING AND MISSILE RECOMMENDATION CALCULATING SYSTEM

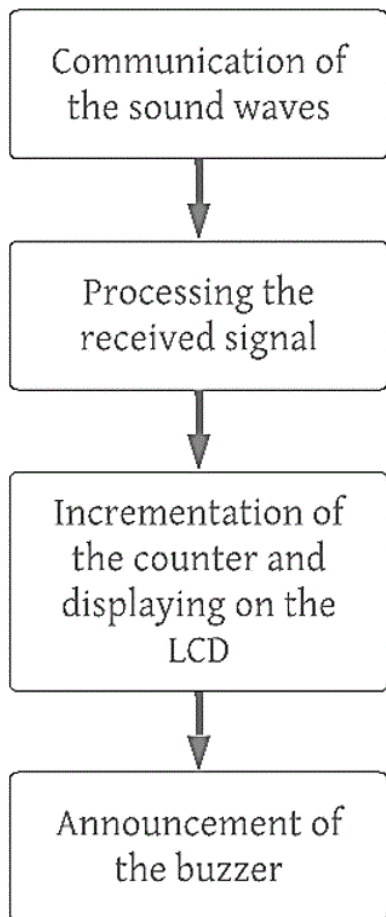
00: -
The present invention related to an artillery launching and missile recommendation calculating system. This invention aims at developing an android app for our defense personnel. In this app, we will provide them with some features that will help them solve calculation problems related to artillery (light artillery, medium artillery, field artillery) launching and also recommend missiles (rocket artillery, missile artillery) that will be suitable for operation. Also, it helps our soldiers' hit bunkers and other projects with greater accuracy and perfection. And currently, this calculation is a hectic job, so it will

21: 2023/09900. 22: 2023/10/24. 43: 2024/04/24
51: A47J
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

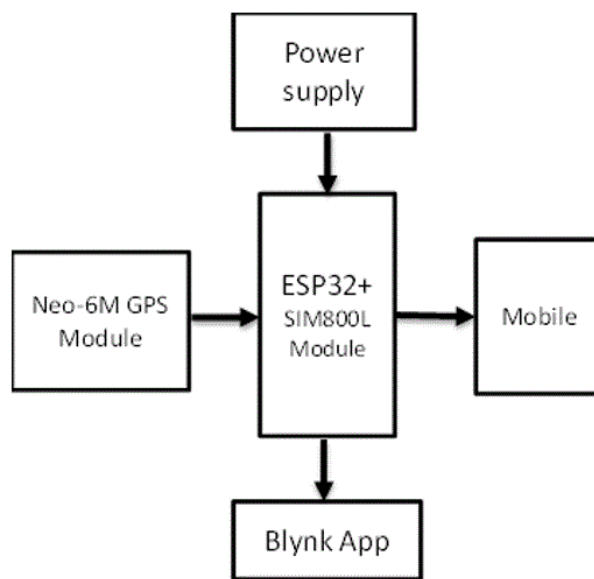
72: JALNEKAR, Rajesh M., SHILASKAR, Swati, THOPATE, Kaushalya, SHAH, Purti, SHAH, Kushal, SHAH, Bhavya, SHAH, Riya, SHAH, Srushti

54: A PRESSURE COOKER WHISTLE COUNTING SYSTEM

00: -
The present invention related a pressure cooker whistle counting system. A modern and safe technique is recommended to lessen the risks of pressure cooker mishaps caused by the user's carelessness. Deaf persons benefit the most from pressure cooker whistle counting systems. The system comprises an Arduino microcontroller, a sound sensor module, a digital counter, and an output display. The sound sensor module detects sound waves, while the Arduino microcontroller processes the signals, filtering out disturbances to identify high-pitched whistles produced by the pressure cooker. The digital counter tracks the number of whistles accurately, and the output display presents the whistle count in real-time.



transferring these signals to the communication devices GSM is used. The main aim of this prototype is to trace the object by giving its location. This will help in finding both stables as well as moving objects like keys, vehicles, etc. This prototype will provide the location co-ordinates to the responsible person. This proposed prototype can be used by transport sector as well as for security purpose.



21: 2023/09901. 22: 2023/10/24. 43: 2024/04/24
 51: H04W
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: KULKARNI, Mukund, LAMBOR, Shilpa, CHOLKE, Puja, TILEKAR, Tejas V., TIDAKE, Mayur N., TIWADI, Shivam S., TIDKE, Rushang R., TIGHARE, Roshani G.

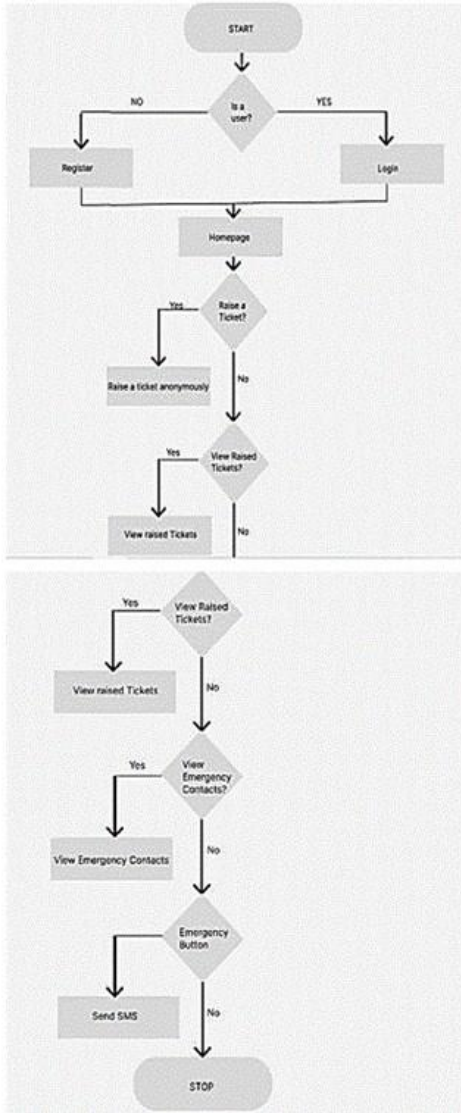
54: A SMART TRACKING DEVICE FOR LOCATING LOST ITEMS

00: -
 The present invention related a smart tracking device for locating lost items. This device is help to find or track such lost things which are done by implementing IoT. This invention can be done by using Bluetooth also, but it has some limitations which can be solved by using IoT. The components which we have used in this invention are ESP32+SIM800L Module, Neo-6M GPS module, GSM, etc. We can get the location of the object which we are going to track by using GPS. Our communication device can't receive the signals directly which is transmitted from GPS so, for

21: 2023/09902. 22: 2023/10/24. 43: 2024/04/24
 51: F16P
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: CHAVAN, Puja A., MATTOO, Aaryan, ADAK, Shantanu, AGARWAL, Priyasha, AGRAWAL, Nupur
54: A WOMEN'S SAFETY SYSTEM
 00: -

The present invention is related to a women's safety system. A woman's safety has become a matter of significant concern. Around the globe, the WHO (World Health Organisation) states that approximately one in three women is subjected to sexual violence. This number is ever-increasing if you consider the ones that go unreported for various reasons. There may be various reasons for which these crimes go unreported, but one of the key reasons is that most women do not wish to be vocal about such issues and wish to protect their anonymity. Holding back and being quiet about these crimes affects not only their lives but other people's lives as well. Thus, to overcome this issue while considering heavy digitalization, we propose

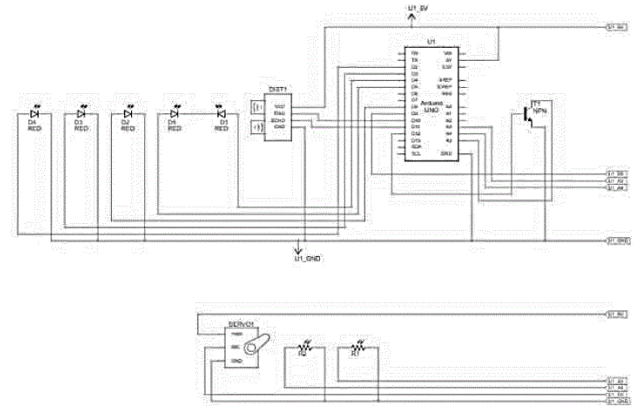
an application that would be concerned with the matter of women's safety and help raise awareness anonymously.



21: 2023/09903. 22: 2023/10/24. 43: 2024/04/24
 51: G08C
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: FATTEPURKAR, Gopika, KARADBHAJANE, Harsh, WALEKAR, Karan, PAIGUDE, Karan, KARANDE, Aryan, GULATI, Karanjyot, KARBHAJANE, Shravani
54: AN AUTOMATED RAIN WIPER AND HEADLIGHT CONTROL SYSTEM FOR AUTOMOBILES

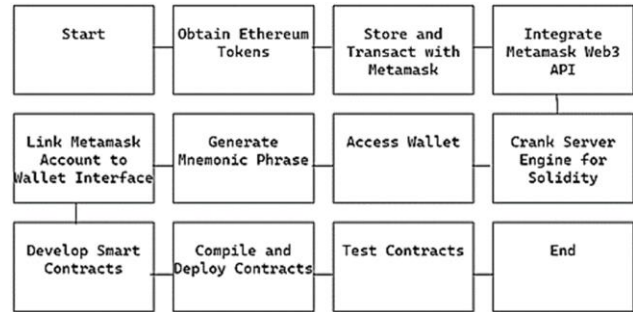
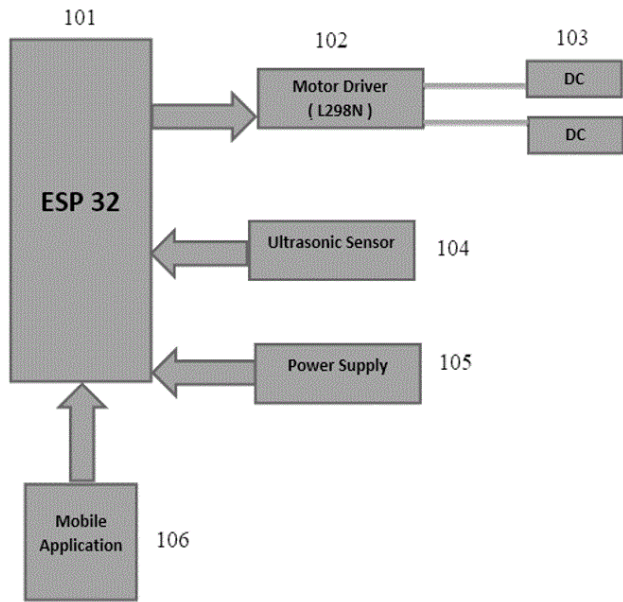
00: -
 The present invention related an automated rain wiper and headlight control system for automobiles.

The automated rain wiper system is an innovative invention aimed at enhancing driving safety and comfort. It automatically detects rainfall and activates car wipers, eliminating distractions caused by manual adjustments. The system also intelligently controls headlight beams during nighttime driving, reducing glare and improving visibility. This compact solution significantly reduces the risk of accidents and provides a more convenient driving experience.



21: 2023/09904. 22: 2023/10/24. 43: 2024/04/24
 51: G05B
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: JALNEKAR, Rajesh, SHINDE, Sandeep, UPADHYE, Gopal. D.
54: AN OBSTACLE DETECTION AND APP CONTROLLED ROBOT

00: -
 The present invention is related to an obstacle detection and app controlled robot. The present invention is an obstacle avoidance robot that employs ultrasonic sensors, DC motors, ESP 32, and a motor driver. It distinguishes itself from other systems by incorporating a sophisticated obstacle detection system and app-based control, which offers an intuitive and user-friendly interface for programming and management. The robot can detect obstacles in its surroundings and navigate through complex environments using its ultrasonic sensors. The mobile app interface enhances user control and flexibility, allowing for customization of the robot's actions based on specific needs. Furthermore, the robot boasts object recognition and manipulation capabilities, enabling it to perform a variety of tasks across multiple industries such as manufacturing, healthcare, and logistics.



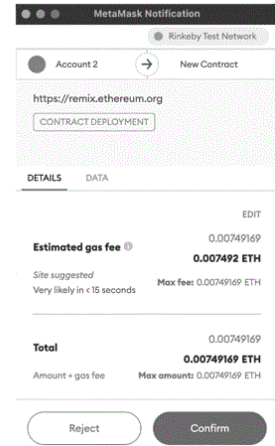
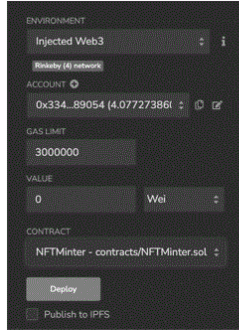
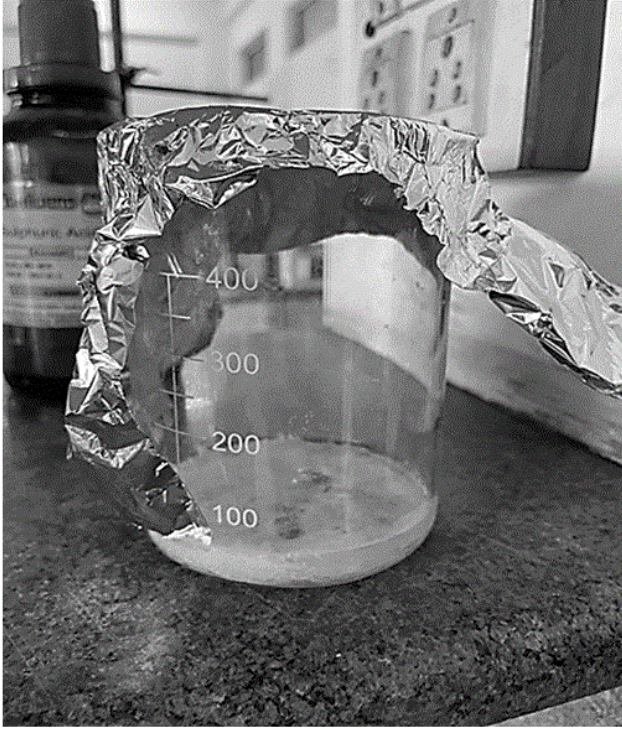
21: 2023/09905. 22: 2023/10/24. 43: 2024/04/24
 51: H04L
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: JOSHI, Deepali, PATIL, Rushal, PATIL, Samved, PAWAR, Tejas, PAWAR, Vedant
54: A MULTICHAIN BLOCKCHAIN WALLET FOR SEAMLESS ASSET MANAGEMENT

00: -
 The present invention related is a multichain block chain wallet for seamless asset management. The advent of block chain technology has introduced a multitude of digital assets, each operating on its own independent block chain network. A multichain wallet aims to provide users with a unified and seamless experience for securely storing, sending, receiving, and monitoring various block chain assets. By leveraging the power of block chain interoperability protocols and standards, our wallet will enable users to access and manage their assets from different block chains within a single, intuitive interface. By providing a unified platform for asset storage, transaction management, and portfolio tracking, a wallet will empower individuals and businesses to navigate the complex block chain landscape with ease, ultimately fostering broader adoption and utilization of block chain technology.

21: 2023/09906. 22: 2023/10/24. 43: 2024/04/24
 51: B09B
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: DEOSARKAR, Manik, GAWANDE, Gayatri D., JOSHI, Sanchay, KULKARNI, Aarya, KULKARNI, Darshan

54: A METHOD FOR THE CHEMICAL DISSOLUTION OF ELECTRONIC WASTE

00: -
 The present invention is related a method for the chemical dissolution of electronic waste. A significant amount of electronic garbage (also known as "e-waste") has been produced as a result of the increasing use of electrical and electronic equipment and its early obsolescence. Plastic recycling using chemical methods comprises the dissolution of plastic in solvents found in electronics like CPUs, mice, keyboards, etc. Xylene and Acetone proved to be particularly good solvents for dissolving plastics, while methanol was found to be the most efficient non-solvent. The plastics were analyzed through Fourier transform infrared (FTIR) to observe their composition at microscopic levels before and after the treatment. According to Fourier transform infrared (FTIR) data, the dissolution-precipitation process did not significantly alter the chemical structure of the polymer. The recycled grades proved to be inferior in quality and suitable for use in lower-strength equipment, or the scraps can be used in roads or cement as structural binders.



21: 2023/09907. 22: 2023/10/24. 43: 2024/04/24
51: G06Q

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: JANOKAR, Sagar G., UPKARE, Makarand, SAWANT, Sachin S., THAKUR, Ramandeep, RAKSHE, Rasika, RAMTEKE, Prashil, KHARTADKAR, Ram, DAMRAL, Rameshwar

54: A WEB APPLICATION TO MINT NON FUNGIBLE TOKENS

00: -

The present invention related a web application to mint non fungible tokens. This invention presents a Web3 application that empowers non-developers to create their own Non-Fungible Tokens (NFTs) unique digital assets representing various forms of digital content. Leveraging the capabilities of Moralis, a Web3 development platform, and Solidity, a language for Ethereum smart contracts, the application simplifies the NFT minting process. Users can easily input metadata for their NFTs, authenticate transactions via MetaMask, and witness their creations on OpenSea Testnets. The project aims to democratize NFT creation while showcasing the potential of Web3 technologies, opening avenues for further exploration in NFTs and DAOs.

21: 2023/09908. 22: 2023/10/24. 43: 2024/04/24
51: A61H

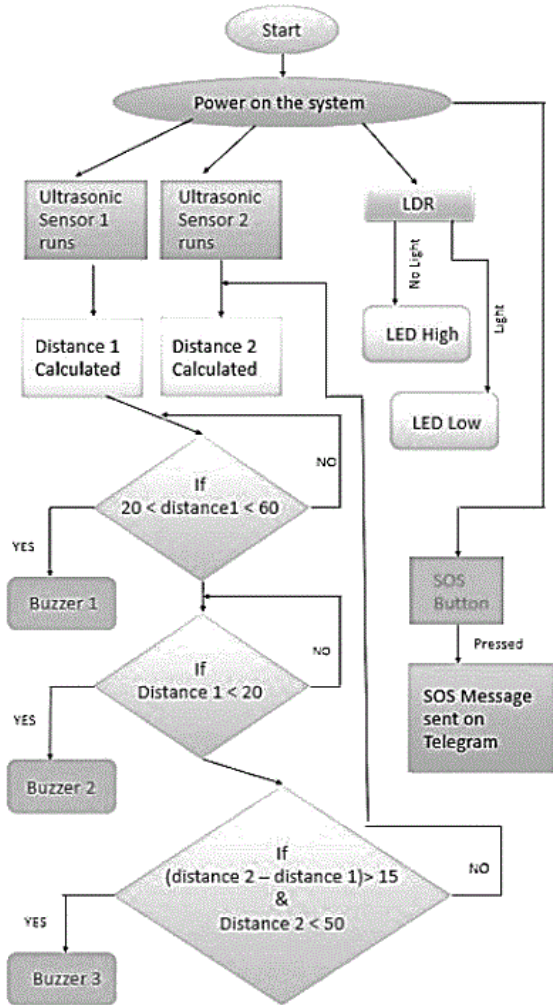
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: MAHAJAN, Chandrashekhar M., SHILASKAR, Swati, BEMBADE, Rahul, CHAKOLE, Sharayu, KEDAR, Shardul, BHALERAO, Shalmali, SHALIGRAM, Yash, SHAMBHARKAR, Sayali

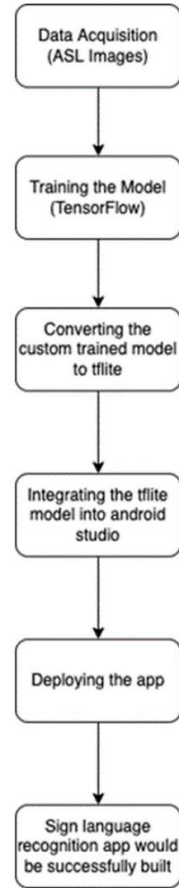
54: A SMART WALKING STICK FOR VISUALLY IMPAIRED PEOPLE

00: -

The present invention related a smart walking stick for visually impaired people. People with visual disabilities are mostly dependent on external assistance or on designated systems for making every small decision. To overcome this limitation, the proposed system of a Smart Walking Stick is designed in a way to act like an artificial unit and an alarm unit. Using multiple sensors like ultrasonic sensors, LDR (Light dependent resistor), vibrating sensor, water sensor to detect every possible obstacle that can be overcome along with buzzer and a SOS button for providing real time information on the person for quick response action by the user's guardian in case of an urgent situation.



communication without the need for human translators. Our approach achieves high accuracy and efficiency, fostering inclusivity and accessibility in everyday interactions.



21: 2023/09909. 22: 2023/10/24. 43: 2024/04/24
 51: G06F
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: JOSHI, Kalpesh V., UPKARE, Makarand, DESHPANDE, Rupali S., PAWAR, Varun Nirmal, PAWAR, Shantanu Somnath, PAWAR, Tejas Chandrakant, PAWAR, Tanishka Prafulla, PAWAR, Vedant Sanjay

54: A SIGN LANGUAGE RECOGNITION SYSTEM
 00: -

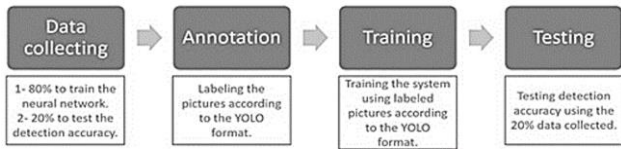
The present invention related a sign language recognition system. The invention presents a user-friendly sign language recognition system that utilizes convolutional neural networks and image processing to convert sign language gestures into readable text and audible speech. The system aims to bridge the communication gap between speech and hearing-impaired individuals and the wider public, enabling seamless bidirectional

21: 2023/09910. 22: 2023/10/24. 43: 2024/04/24
 51: G05D
 71: VISHWAKARMA INSTITUTE OF TECHNOLOGY
 72: JALNEKAR, Rajesh M., MAHAJAN, Chandrashekhar M., MUSALE, Prajakta, PATIL, Siddhi M., PATIL, Siddhesh B., PATIL, Siddhesh S., PATIL, Sanskruti R., PATIL, Saurabh M.

54: A REAL-TIME DRONE DETECTION SYSTEM
 00: -

The present invention related a real-time drone detection system. The invention presents a drone detection system based on deep learning and the YOLOv5 algorithm. The system can accurately differentiate drones from other flying objects in various light and weather conditions and distances. A custom dataset is used for training, and a user-

friendly GUI enables easy deployment on images, videos, and real-time feeds. The results demonstrate the system's effectiveness in real-time drone detection, making it valuable for enhancing security and addressing potential threats posed by drones.



21: 2023/09911. 22: 2023/10/24. 43: 2024/04/24

51: G06F

71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: SAWANT, Sachin S., CHOPDA, Arya S., CHOPADE, Pratiksha D., CHIVATE, Atharva B., CHITPUR, Shreeshail J., CHOPADE, Swarup V.

54: AN APPLICATION FOR EFFICIENTLY MANAGING BELONGINGS

00: -

The present invention relates to an application for efficiently managing belongings. Storing some of the unaccustomed things and then being unable to retrieve them back when required is a general problem that an individual faces every day. This causes an end-of-movement rush. It also causes anxiety and stress because those belongings are sometimes very precious. This may also include important documents, valuable stuff, or some memorable gifts. This may also lead to unnecessarily buying items despite having them at home. Hence, in the proposed invention, there is a provision made for the same. It imposes on developing an application that can help individuals make a note of where and which things are stored and can help in recovering the stuff with ease. This will let the users discover their belongings quite easily, reduce their end-of-movement rush, and reduce expenses.



21: 2023/09915. 22: 2023/10/24. 43: 2024/04/25

51: C02F

71: Northwest A&F University

72: Chang LYU, Zhaoxi WANG, Wenquan NIU, Xue ZHAO

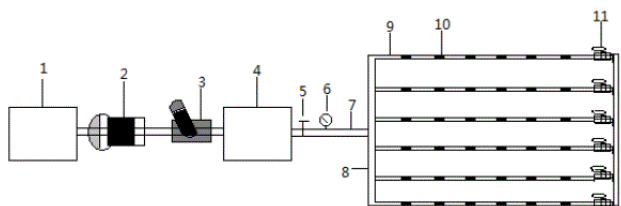
33: CN 31: 2022111887314 32: 2022-09-28

54: LOW-ENERGY-CONSUMPTION MAGNETIZATION TREATMENT DEVICE AND METHOD FOR ALLEVIATING EMITTER CLOGGING IN DRIP IRRIGATION SYSTEM

00: -

The invention discloses a low-energy-consumption magnetization treatment device and method for alleviating emitter clogging in drip irrigation system, the method includes the irrigation water being extracted from the pool by the water pump, filtered by the filter and transported to the water pipeline of the magnetization treatment mechanism, the irrigation water passes through the fertilizer applicator, the aerator and the magnetization treatment core structure in turn to realize the magnetization, fertilization and aeration treatment of the irrigation water. After fertilization, aeration, and

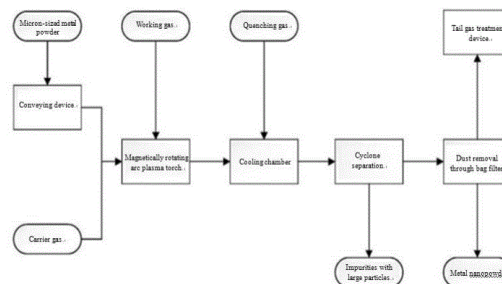
magnetization, the irrigation water enters the main pipe through the water delivery bend pipe, and then enters the branch pipe and laterals through the control valve and pressure gauge, and then flows out from the emitters for irrigation. The invention adopts a low-energy-consumption magnetization treatment device with the above structure to alleviate the emitter clogging in drip irrigation system, which can realize the cyclic magnetization treatment and fertilization and aeration treatment of the irrigation water without power on, reduce the magnetization energy consumption, and improve the magnetization efficiency and effect. At the same time, it can improve the soil oxygen content in the crop root zone and solve the contradiction between water and oxygen in the root system.



21: 2023/09940. 22: 2023/10/25. 43: 2024/04/25
51: B22F; C01G; B82Y
71: Quzhou Jingzhou Technology Development Co., Ltd., Institute of Zhejiang University-Quzhou
72: WANG, Jiali, WAN, Ling, ZHANG, Ming, LI, Rulong, YANG, Qiwei
33: CN 31: 2023102688833 32: 2023-03-13
54: METHOD FOR PREPARING METAL NANOPOWDER BY MAGNETICALLY ROTATING ARC PLASMA

00: -
The present disclosure provides a method for preparing metal nanopowder by magnetically rotating arc plasma and relates to the technical field of metal powder preparation. The method comprises the steps of: introducing working gas into a magnetically rotating arc plasma torch, and forming magnetically rotating arc plasma under the action of an external magnetic field after arc starting; conveying micron-sized metal powder to a gasification chamber of the magnetically rotating arc plasma torch by using a carrier gas, melting and gasifying under the action of the magnetically rotating arc plasma; cooling the gaseous metal atoms to obtain metal nanopowder. The magnetically rotating arc plasma method of the

present disclosure has a high energy conversion rate, so that the micron-sized metal powder at a conveying rate of 5-1000 kg/h can directly pass through the rotating high-temperature zone (arc zone) for melting and gasification; after the subsequent cooling, metal nanopowder is obtained.

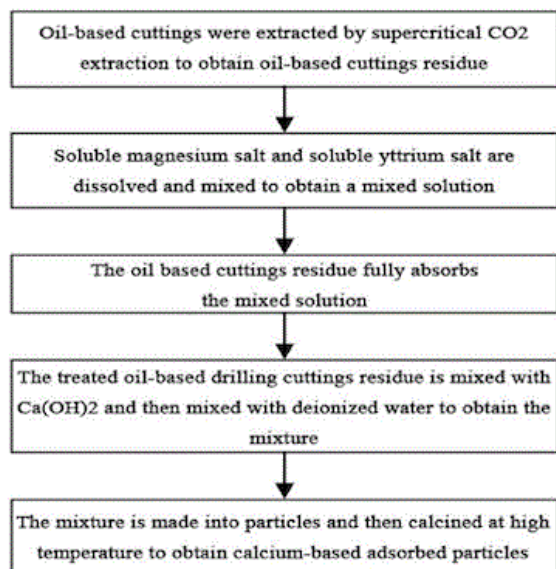


21: 2023/09941. 22: 2023/10/25. 43: 2024/04/25
51: B01J

71: Chongqing Technology and Business University
72: Donglin He, Hong Yin, Yafei Chen, Haifeng Gong, Ping Ouyang
33: CN 31: 202311106771.4 32: 2023-08-30
54: A METHOD FOR PREPARING CALCIUM-BASED ADSORPTION PARTICLES BASED ON OIL-BASED DRILLING CUTTINGS

00: -
The invention discloses a method for preparing calcium-based adsorption particles based on oil-based drilling cuttings. Firstly, the oil-based cuttings residue obtained by supercritical CO₂ extraction is used as the precursor template for preparing calcium-based adsorption particles, and then the soluble magnesium salt and soluble yttrium salt are loaded on the oil-based cuttings residue by impregnation method, and the particles are prepared. By high temperature calcination, the main adsorption active groups are CaO, calcium based adsorption particles with metal oxide auxiliaries Y₂O₃ and MgO. The invention uses oil-based drilling cuttings as the main material for preparing calcium-based adsorbent, which not only has low cost, but also realizes safe disposal and resource utilization of oil-based drilling cuttings. The extracted oil-based drilling cuttings residue was used as the precursor template. The micro-pore structure of the calcium-based adsorbent was optimized and the adsorption capacity of the calcium-based adsorbent was improved. The clay component in oil-based drilling cuttings is used as the binder for particle forming,

which improves the mechanical properties of calcium-based adsorbed particles.



21: 2023/09942. 22: 2023/10/25. 43: 2024/04/25

51: C02F

71: Anhui Polytechnic University

72: ZHAO Jianghui, MIAO Yi, LIU Zhi, LI Wanlong, LI Lele

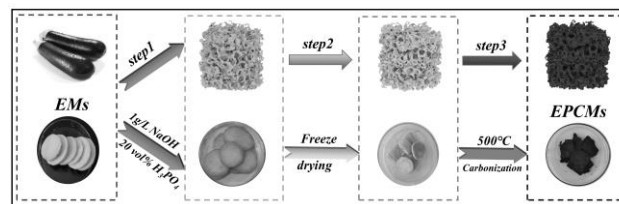
54: EGGPLANT POROUS CARBON FOR ADSORPTION TREATMENT OF PRINTING AND DYEING WASTEWATER, AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The invention relates to the technical field of adsorption materials, in particular to eggplant porous carbon for adsorption treatment of printing and dyeing wastewater, as well as a preparation method and application thereof, which comprises the following steps: step 1, mixing peeled and diced eggplant, urea and calcium chloride in 50 mL deionized water according to the mass ratio of 1: 2: 1, standing for 10 min, then taking the eggplant out, washing it with deionized water, treating it with alkaline solution, and carrying out acid solution immersion activation treatment; step 2, freeze-drying the eggplant activated in step 1 to obtain eggplant sponge; step 3, the eggplant sponge is pre-oxidized, heated to 450-550°C, carbonized, washed and dried, and then the eggplant porous carbon is prepared.

The invention can quickly and efficiently adsorb and treat different types of printing and dyeing

wastewater with lower dosage, obviously change the chromaticity of wastewater, and achieve an ideal water purification effect, and has a good practical application prospect.



21: 2023/09943. 22: 2023/10/25. 43: 2024/04/25

51: H01L

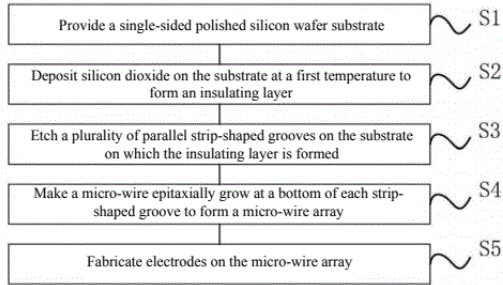
71: Zhejiang Xinke Semiconductor Co., Ltd.

72: LI, Jingbo, SUN, Yiming, WANG, Xiaozhou

54: GALLIUM-NITRIDE-BASED MICRO-WIRE TRANSISTOR ARRAY WITH HIGH ELECTRON MOBILITY AND MANUFACTURING METHOD

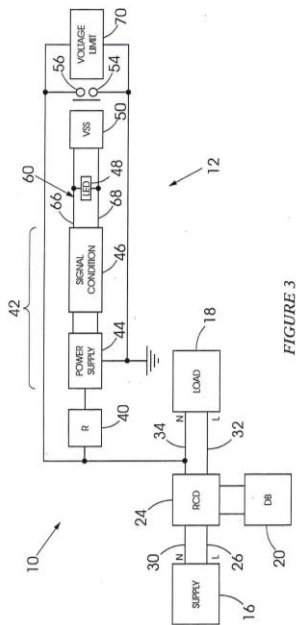
00: -

Disclosed in the present invention is a gallium-nitride-based micro-wire transistor array with high electron mobility and a manufacturing method, which relate to the field of semiconductors. The manufacturing method for the array includes: providing a single-sided polished silicon wafer substrate; depositing silicon dioxide on the substrate to form an insulating layer; etching a plurality of parallel strip-shaped grooves on the substrate on which the insulating layer is formed; making a micro-wire epitaxially grow at a bottom of each strip-shaped groove to form a micro-wire array, where the micro-wire has a trapezoidal structure and sequentially includes an AlN nucleation layer, a GaN buffer layer and an AlGaN barrier layer; and fabricating electrodes on the micro-wire array. According to the present invention, the problem that cracks are generated when silicon dioxide with a thickness of over 2.5 micrometers is manufactured is solved, and properties of the transistor array are improved.



21: 2023/09944. 22: 2023/10/25. 43: 2024/04/25
 51: H02B; H02H
 71: LOUW, Quentin Elliott
 72: LOUW, Quentin Elliott
 33: ZA 31: 2023/08475 32: 2023-09-04
54: PROTECTION OF AN ELECTRICAL INSTALLATION
 00: -

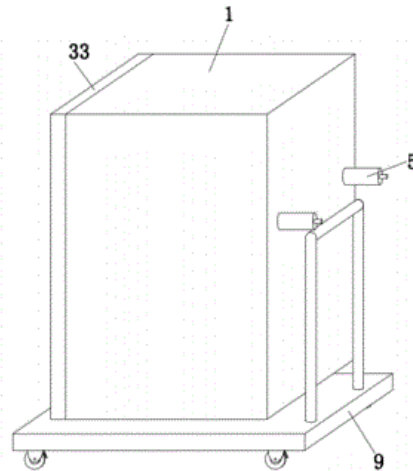
Apparatus for protecting an electrical installation wherein a residual current device (RCD) is connected by line and neutral conductors to an electrical load, the apparatus including a switch arrangement which simulates an earth leakage fault thereby to cause the RCD to operate thereby to disconnect the electrical load from the RCD when a voltage on the neutral conductor, with respect to earth, exceeds a reference value.



21: 2023/09954. 22: 2023/10/25. 43: 2024/05/16
 51: E04B

71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY
 72: ZHANG, Xinyuan, LIU, Yan, ZHANG, Hongyin, WANG, Xingguo, GE, Nan, HAN, Liutao
 33: CN 31: 202310892060.8 32: 2023-07-20
54: DAMPING DEVICE FOR CIVIL ENGINEERING AND CONTROL METHOD THEREFOR
 00: -

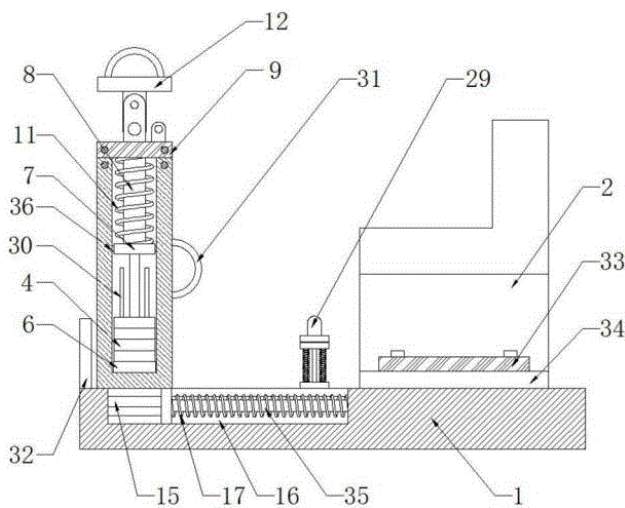
Disclosed are a damping device for civil engineering and a control method therefor. The damping device for civil engineering includes a transport box, a stabilizing assembly and a warning assembly, where a plurality of partition plates are fixedly connected inside the transport box, protective pads are fixedly connected onto the partition plates and an inner wall of a top of the transport box, and the same building glass is arranged between two corresponding protective pads in a close contact manner. A frame is arranged below the transport box, and a top of the frame is fixedly connected to two upright plates. A bottom of the transport box is provided with two vertical holes, the upright plates are in sliding contact with inner walls of the vertical holes, and a plurality of buffer springs and dampers are fixedly connected between the transport box and the frame.



21: 2023/09980. 22: 2023/10/26. 43: 2024/04/25
 51: A63B
 71: Xingzhi College Zhejiang Normal University
 72: KANG Yafeng
54: ARM STRENGTH TRAINING DEVICE FOR MARTIAL ARTS COACHING
 00: -

An arm strength training device for martial arts coaching relates to the technical field of training equipment; the front and rear sides of the left side of

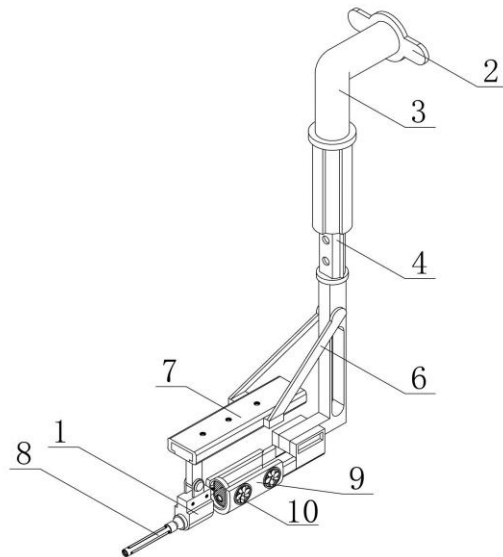
the upper surface of the bottom plate are provided with counterweight seats, the lower side inside the counterweight seats is provided with counterweight blocks, and a vertical rod for placing the center of the rack is inserted into the center of the counterweight blocks; the lower surface of the limit plate is fixedly connected with the upper end of the vertical rod of the placing frame; the lower end of the pull rod is fixed at the center of the upper surface of the limit plate, the lower end of the vertical rod of the handle is screwed with the upper end of the pull rod, and the upper end of the vertical rod of the handle is connected with the top end of the pull rod; the positioning rod is fixed on the right side of the side wall of the counterweight seat, the slider is fixed on the lower side wall of the counterweight seat at the front and rear sides, and the slider is slidably arranged in the chutes at the front and rear sides of the groove; the right end of the return spring is fixed on the inner wall on the right side of the groove, and the left end of the return spring is fixed on the right side wall of the slider through the support plate, so that transverse stretching training and longitudinal stretching training can be performed respectively, which is beneficial for users to change the training modes of the two, and improves the application range of the martial arts arm strength training device.



21: 2023/09981. 22: 2023/10/26. 43: 2024/04/30
 51: F04D
 71: Zhengzhou University of Aeronautics
 72: Chen Honggen, Hu Zhihao, Gong Gu, Chai Tianjiao, Zhang Guohui, Wang Guodong

54: AN INTELLIGENT OPERATION AND MAINTENANCE MONITORING EQUIPMENT FOR SUBSTATIONS

00: -
 The present invention relates to the technical field of substation monitoring equipment and discloses an intelligent operation and maintenance monitoring device for substations. The present invention effectively solves the problem of inconvenient height adjustment of monitoring equipment during use, poor protection effect for cameras, and damage to internal electronic components when the camera operates at high temperatures, thereby reducing the service life of the camera; The technical solution includes: a camera body and an upper wall panel, wherein one side of the upper wall panel is fixedly connected with a bent pipe, and the bottom end of the bent pipe is inserted with a column. This plan adopts the design of bends, support rods, protective covers, and heat dissipation fans, which is conducive to adjusting the height of the camera body. By opening the heat dissipation fan, the camera body can be cooled in a timely manner to prevent damage to internal electronic components caused by high temperature of the camera body, improve the protection effect of the camera body, and extend the service life of the camera body.



21: 2023/09982. 22: 2023/10/26. 43: 2024/04/30
 51: B22F
 71: University of Shanghai for Science and Technology

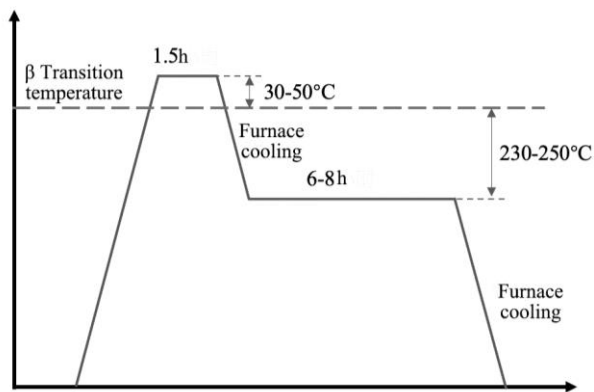
72: ZHANG Kai, YANG Yi, LIU Yi, LIU Minghao

33: CN 31: 2022113369926 32: 2022-10-28

54: HEAT TREATMENT METHOD FOR IMPROVING FRACTURE RESISTANCE OF ADDITIVE MANUFACTURED TITANIUM ALLOY

00: -

The invention provides a heat treatment method for improving the fracture resistance of additive manufactured titanium alloy, and belongs to the technical field of post-treatment of additive manufactured titanium alloy, specifically comprising that following step: heating the beta additive manufactured titanium alloy to 30-50 degrees Celsius above the beta transformation temperature and keeping the temperature for 1.5h for solid solution treatment, then cooling to 230-250 degrees Celsius below the beta transformation temperature and keeping the temperature for 6-8h for aging treatment, and cooling the furnace to room temperature. By using the heat treatment method of the invention, discontinuous grain boundary alpha phase can be obtained, and its existence can reduce the strain accumulation at beta grain boundary in the deformation process, and inhibit the crack from spreading along grain boundary, so that the fracture resistance of additive manufactured titanium alloy is obviously improved.



21: 2023/09984. 22: 2023/10/26. 43: 2024/04/30

51: G06T

71: Southwest university

72: Dong Tao, Lv Meining, Hu Wenjie

33: CN 31: 2023103363203 32: 2023-03-31

54: A REACTION-DIFFUSION PHASE-CHANGED NEURAL NETWORK-BASED METHOD FOR EXTRACTING IMAGE ELEMENTS

00: -

This invention relates to a neural network-based method for extracting image elements. It includes

acquiring an original image and identifying the contours of objects in the original image. The original image is processed to obtain a grayscale image. The grayscale image is divided into a predetermined number of local images, and the optimal threshold for each local image is determined to distinguish between the background and the target image. The graphical similarity between the contour of any target image and the corresponding object contour in the original image is calculated, and a correction method for the corresponding optimal threshold is determined at a second similarity level. The number of noise points extracted from any local image is detected, and a correction method for the number of divided local images is determined at a second quantity level. The target image is merged and reconstructed to output a binary image, which is smoothed to obtain a feature image. The feature image is input into a neural network model to extract image elements. This invention improves the clarity and extraction accuracy of image element extraction.

21: 2023/09985. 22: 2023/10/26. 43: 2024/04/30

51: G06K

71: Southwest university

72: Dong Tao, Lv Meining, Hu Wenjie

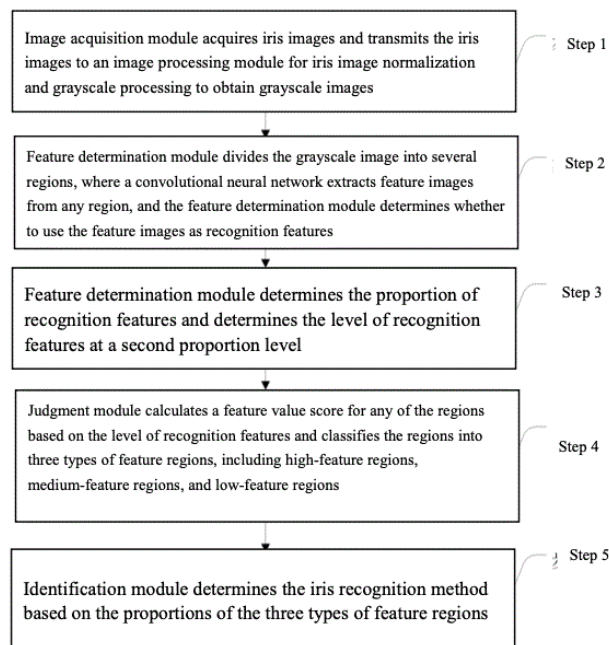
33: CN 31: 2023103362766 32: 2023-03-31

54: A NEURAL NETWORK-BASED IRIS RECOGNITION METHOD

00: -

This invention relates to the field of iris recognition technology, particularly to a neural network-based iris recognition method, comprising the following steps: S1, acquiring iris images and normalizing and grayscale processing the iris images to obtain grayscale images; S2, a feature determination module dividing the grayscale image into several regions, where a convolutional neural network extracts feature images from any region, and the feature determination module determines whether to use the feature images as recognition features; S3, the feature determination module determining the proportion of recognition features and determining the level of recognition features at a second proportion level; S4, a judgment module calculating a feature value score for any region based on the level of recognition features and classifying the regions into three types of feature regions, including high-feature regions, medium-feature regions, and

low-feature regions; S5, an identification module determining the iris recognition method based on the proportions of the three types of feature regions. This invention improves the efficiency of iris recognition.



21: 2023/09986. 22: 2023/10/26. 43: 2024/04/30
51: C12N

71: Hainan University

72: Guiying Guo, Jiping Zheng, Xuesong Li, Jifeng Zeng, Lixia Fan, Nuo Yang

33: CN 31: 202311171120.3 32: 2023-09-11

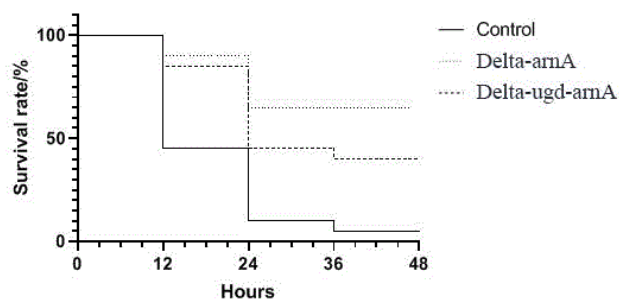
54: AN AEROMONAS DHAKENSIS MUTANT STRAIN DELTA-ARNA AND A DOUBLE MUTANT STRAIN DELTA-UGD-ARNA AND A CONSTRUCTION METHOD AND APPLICATION THEREOF

00: -

The invention discloses an *Aeromonas dhakensis* mutant strain Delta-arnA and a double mutant strain Delta-ugd-arnA and a construction method and application thereof. The *Aeromonas dhakensis* mutant is obtained from the wild *Aeromonas dhakensis* strain after deletion of arnA gene or ugd gene and arnA gene double gene. The results showed that the resistance to polymyxin and the toxicity to zebrafish were weakened.

Immunoprotection with the deletion strain can improve the survival rate of zebrafish in challenge test. Therefore, the invention is helpful to improve the understanding of the pathogenic mechanism and

drug resistance mechanism of *Aeromonas dhakensis*, and provide reference for target gene selection in immune control. It can also promote the healthy development of crocodile farming industry, protect the property of crocodile farmers, and provide effective technical means.



21: 2023/09988. 22: 2023/10/26. 43: 2024/04/25

51: B21F

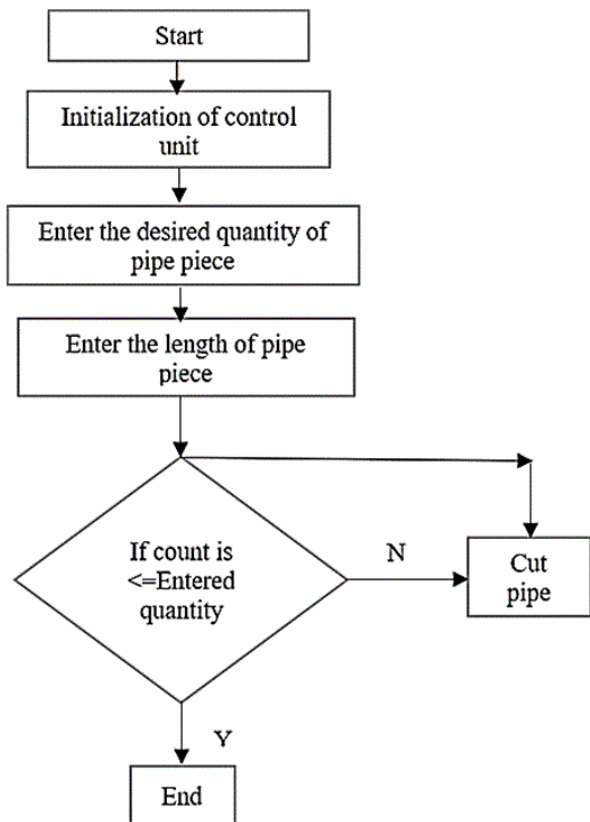
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: TILEKAR, Tejas, THORAT, Shreya, TIDKE, Rushang, WABLE, Dnyaneshwari, WAJGE, Chetan, KULKARNI, Nishant

54: AN AUTOMATED PIPE AND WIRE CUTTING SYSTEM

00: -

The present invention relates to an automated pipe and wire cutting system. In the pipe and wire extruding industries, pipe and wire cutting operations have a particularly special significance. The cutting of pipes or wires is done by small-scale companies using manual action. In hand cutting, there is a greater chance of chip development than in pipe AC cutting. Due to the pipe's secure grip, these cross-cuts can happen. To avoid these kinds of issues, automated devices perform the pipe-cutting procedure. The mechanism functions by first feeding material and then cutting it. The main purpose of this strategy is to transition to batch manufacturing by cutting out a large number of jobs in pipe form. In the modern world, automation is unavoidable. The motor assembly, cutting assembly, and controlling unit are what power the pipe or wire material feeding and cutting machines. The suggested machine is incredibly portable and small, making it simple to operate.



21: 2023/09989. 22: 2023/10/26. 43: 2024/04/30
51: C07C

71: ZHEJIANG NHU COMPANY LTD.,
HEILONGJIANG NHU BIOTECHNOLOGY
COMPANY LTD.

72: Kang Ning, Zhao Desheng, He Qiyang, Yin
Qihang, Jiang Lulu, Dang Yiding, Ma Li, Peng
Jiagen

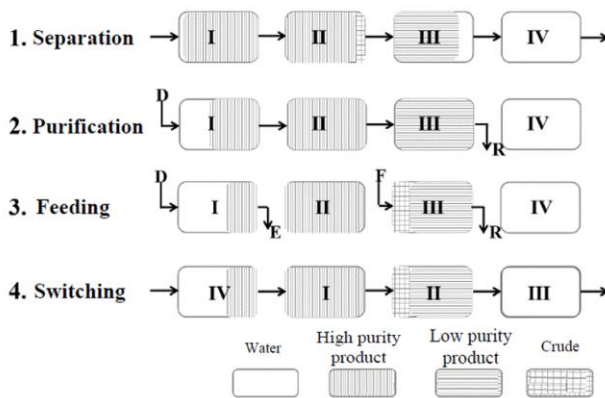
33: CN 31: 202211418584.5 32: 2022-11-14

54: PURIFICATION METHOD FOR D-CALCIUM PANTOTHENATE

00: -

The present invention relates to a purification method for D-calcium pantothenate. An aqueous solution of crude D-calcium pantothenate is taken as raw material, a macroporous adsorption resin as a stationary phase and water as a mobile phase to perform separation by adopting a sequential simulated moving bed. The macroporous adsorption resin is a styrene-divinylbenzene copolymer without functional groups, with a particle size of 250-400 μm and a uniformity coefficient of 1.2 or less. The uniformity coefficient is a ratio of D90 to D40, and a mass concentration of the aqueous solution of crude D-calcium pantothenate is 380-420 g/Kg. By adopting the purification method of the present

invention, D-calcium pantothenate can be effectively separated from C8 homologue and C10 homologue impurities, with a purity of the purified D-calcium pantothenate of 99% or more. The separation method has a high degree of automation and is suitable for industrial production.



21: 2023/09990. 22: 2023/10/26. 43: 2024/04/30
51: C12P

71: ZHEJIANG NHU COMPANY LTD.,
HEILONGJIANG NHU BIOTECHNOLOGY
COMPANY LTD.

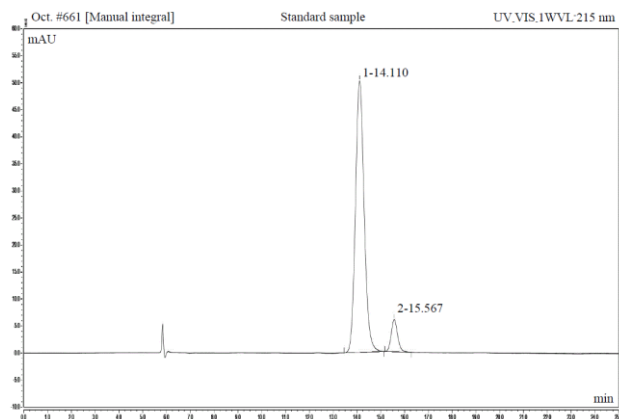
72: He Qiyang, Zhao Desheng, Meng Yuewei, Wang
Qiaohe, Liang Jianfeng, Zhang Qin

33: CN 31: 202211499277.4 32: 2022-11-28

54: FERMENTATION METHOD FOR D- PANTOTHENIC ACID

00: -

The present application relates to a fermentation method for D-pantothenic acid, including the following steps of: culturing a recombinant *Escherichia coli* using a fermentation medium, the recombinant *Escherichia coli* being an *Escherichia coli* expressing the D-pantothenic acid, and the culturing being performed under the conditions of: in a case that a dissolved oxygen value of the fermentation medium is greater than a preset value, adding feeds to the fermentation medium until the dissolved oxygen value of the fermentation medium does not exceed the preset value, the preset value ranging from 1% to 10%, and the feeds including, in percentage by mass, 30% to 80% of glucose and 0.1% to 10% of nitrogen sources. The above fermentation method enables the recombinant *Escherichia coli* to produce more D-pantothenic acid by better utilizing the fermentation medium, and the acetic acid produced does not affect the synthesis of the product.



21: 2023/09991. 22: 2023/10/26. 43: 2024/04/30

51: H02J

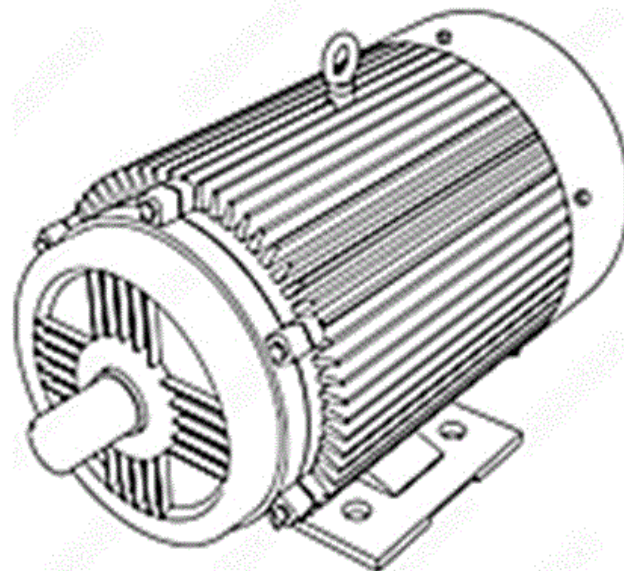
71: VISHWAKARMA INSTITUTE OF TECHNOLOGY

72: GAIKWAD, Jitendra, NIGUDGE, Harsh, NYALAPELLI, Nikita, KAMBLE, Pankaj, PATEL, Nabil, PATHAK, Isha

54: A GREEN HYBRID VEHICLE SYSTEM WITH EXHAUST GAS REUTILIZATION AND SOLAR CHARGING

00: -

The present invention relates to a green hybrid vehicle system with exhaust gas reutilization and solar charging. Pollutants are released into the atmosphere by all motor vehicles, mostly through the exhaust fumes that emerge from the tailpipe when the engine is running. Ground-level ozone is created when sunshine and warm temperatures combine with hydrocarbons and nitrogen oxides. One of the primary components of smog, ground-level ozone, can harm the lungs and cause upper respiratory issues. To reduce the carbon footprint and similar emissions, we have proposed a system that would take care of the exhaust gases and use them to further power the vehicle when required. Other than the exhaust gases, the proposed system also makes use of the mechanical energy that is lost from the axle wheels. Additionally, solar-based charging of the battery is also implemented, which charges the on-board battery.



21: 2023/10013. 22: 2023/10/26. 43: 2024/04/30

51: A61K; C07D; C07K

71: THE UNIVERSITY OF BRITISH COLUMBIA

72: WHARTON, Luke, ORVIG, Chris

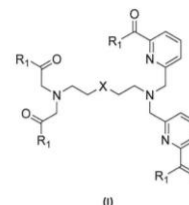
33: US 31: 63/185,951 32: 2021-05-07

54: CHELATORS FOR RADIOMETALS AND METHODS OF MAKING AND USING SAME

00: -

A chelator having the general structure (I) wherein each R₁ is independently OH, NH or SH, and X is O, S, or NR₃, wherein R₃ is H or CH₂C(=O)R₁.

Methods of making and using the chelator, metal chelates, and biological constructs for delivering targeted radiation therapy using the chelator are provided. (I)



21: 2023/10032. 22: 2023/10/27. 43: 2024/04/30

51: H05B

71: Sichuan Hongrui Electric Co., Ltd.

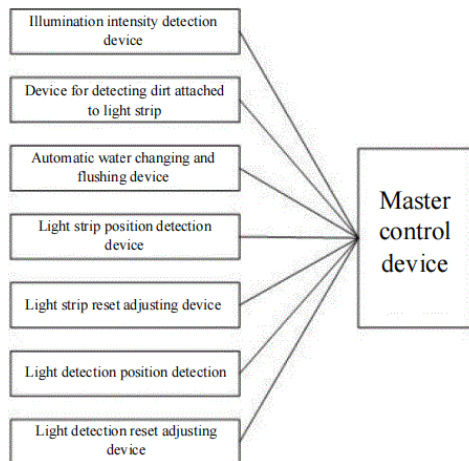
72: WEI, Wei, SHI, Yuchuan, TIAN, Zixia, ZHANG, Naijiu

33: CN 31: 202211336830.2 32: 2022-10-28

54: DEVICE, SYSTEM, AND METHOD FOR MONITORING AND CONTROLLING ABNORMALITIES OF LIGHT STRIP

00: -

The present invention relates to a device, system and method for monitoring and controlling abnormalities of a light strip and belongs to the technical field of data monitoring. By taking a detection result of an illumination intensity detection device as a trigger point, whether there are circuit failures of a light strip in a target area can be indirectly judged rather than being directly judged according to a detection result of the illumination intensity detection device after detection by a device for detecting dirt attached to light strip, a light strip position detection device, and a light detection position detection device in sequence, so a judged result is more reliable. The device for detecting dirt attached to light strip, the light strip position detection device, and the light detection position detection device are sequentially enabled according to a historical abnormality probability sequence of the light strip.

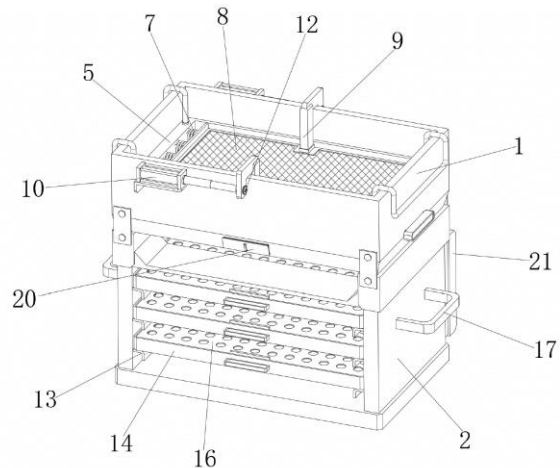


21: 2023/10033. 22: 2023/10/27. 43: 2024/04/30
 51: A01G
 71: Zhejiang Subtropical Crops Research Institute
 72: Lu Xiang, Li XiaoWen, Wang JinWang, Liu Xing, Gu QinHeng, Xu LiMin, Dai HuiMing
 33: CN 31: 2023112908878 32: 2023-10-08

54: A PRE-PLANTING TREATMENT DEVICE FOR MOUNTAINOUS PARASOL TREE SEEDS

00: -
 This invention provides a pre-planting treatment device for the seeds of the mountainous parasol tree. It relates to the technical field of mountainous parasol tree seed processing and includes a body. The lower end of the body is fixedly installed with a support, and the inner surface of the body is fixedly

connected with a heating tube. The lower end of the body is provided with a drainage outlet, and the inner side of the body is provided with a hanging plate. The inner surface of the hanging plate is fixedly connected with a leak-proof net. The use of internal threaded cylinders, connecting rods, and screws allows the output end of the cylinder to be connected to the screen plate, enabling the cylinder to reciprocate and move the screen plate. This causes the screen plate to oscillate between the hanging plates via a spring. The hanging plates are used to support the screen plate, and the leak-proof net on their surface prevents the seeds from falling into the body during shaking. This enables a large number of seeds to be screened and cleaned within the body, thereby removing impurities and dirt carried by the seeds. This makes seed processing more convenient, significantly reducing workload. Moreover, the heating tube can increase the temperature of the water, reducing the dormancy period of the seeds and increasing the germination rate.

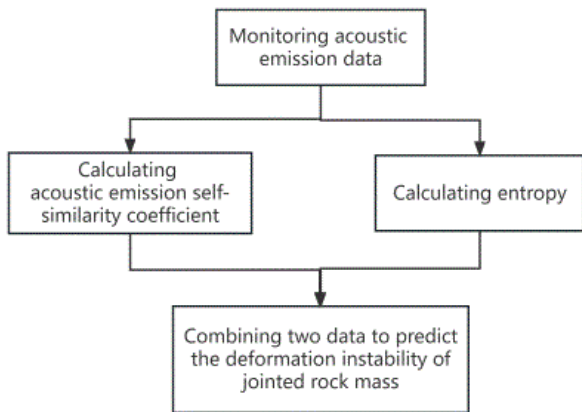


21: 2023/10034. 22: 2023/10/27. 43: 2024/04/30
 51: G01N
 71: University of Science and Technology Beijing
 72: Peng LI, Shengjun MIAO, Meifeng CAI, Yu WANG, Zhengjun HUANG, Pengjin YANG, Xiangfan SHANG, Fenhua REN

54: PREDICTION METHOD FOR JOINTED ROCK MASS DEFORMATION BASED ON ACOUSTIC EMISSION SELF-SIMILARITY COEFFICIENT AND ENTROPY

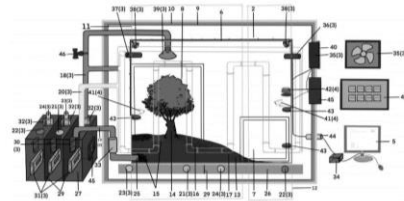
00: -
 The invention discloses a method for predicting the deformation of jointed rock mass based on the

acoustic emission self-similarity coefficient and entropy, which belongs to the technical field of structural stability evaluation and failure prediction of underground rock mass engineering. According to the monitored acoustic emission data, the acoustic emission self-similarity coefficient and entropy are directly calculated, the similarity degree of two processes or two states is judged by the size of the self-similarity coefficient, the minimum value of the self-similarity coefficient of the acoustic emission process indicates the arrival of macroscopic fracture, the calculated entropy value is small, the system disorder degree is low, and vice versa, the increase of entropy value means that the system evolves from a low probability state to a high probability state, that is, from a relatively regular and orderly state to a more irregular and disordered state. The combination of these two indexes can more accurately predict the deformation and instability of jointed rock mass, and provide a quantitative basis for the stability evaluation and failure prediction of underground engineering structures.



21: 2023/10085. 22: 2023/10/30. 43: 2024/04/30
 51: C02F
 71: Jishou University
 72: LI, Shi, LI, Linbei, LIU, Zhixiao
54: DEVICE FOR FEEDING, OBSERVING, AND STUDYING LIMICOLOUS ANIMALS AND USAGE METHOD THEREOF
 00: -
 Disclosed is a device for feeding, observing, and studying limicolous animals such as millipedes, earthworms, terrestrial leeches, and snails, including a receptacle, an inner wall water circulation interlayer, an environmental factor regulatory

component, an observation instrument component, and a computer. The device featuring a simple and useful design and convenience in operation can adjust and optimize the configuration in various conditions rapidly, create an internal environment in accordance with research demands, and provide a suitable living environment for various limicolous animals, so as to conduct animal behavior ecological observation and experiment researches related to soil contamination, animal toxicity and toxicology, and the like.

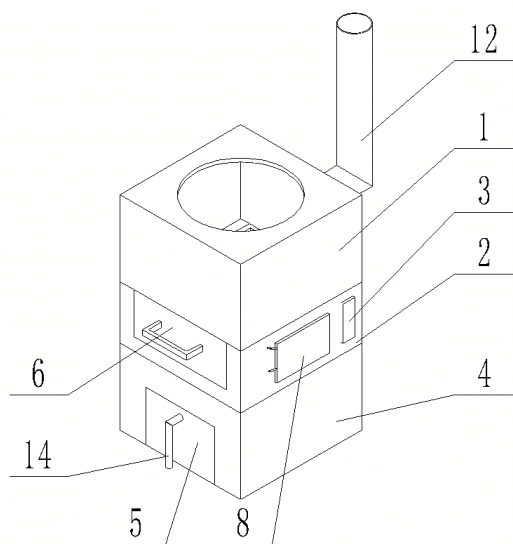


21: 2023/10086. 22: 2023/10/30. 43: 2024/04/30
 51: C10B

71: Haikou Totem new energy application and research development Co. Ltd
 72: WANG Zehua, WANG Yabin
 33: CN 31: 2023101830973 32: 2023-03-01
54: WOOD STOVE FOR BURNING COMPOSITE BIOCHAR AND ITS APPLICATION
 00: -

The invention discloses a wood stove for burning composite biochar and its application, which comprises a furnace body, wherein the furnace body comprises a lower furnace table, a heating table and an upper furnace table which are sequentially arranged from top to bottom, and the lower furnace table is connected and fixed with the upper furnace table through the heating table; a carbon containing part embedded in that side wall of the heating table and detachably connected with the heating table, wherein the top end of the carbon containing part is communicated with the upper furnace table, and the bottom end of the carbon containing part is communicated with the lower furnace table, and composite biochar is placed in the carbon containing part; a heating part fixed in the heating table and used for heating the composite biochar, wherein a temperature control part is arranged outside the heating table, and the temperature measuring ends of the temperature control part are respectively arranged on the inner wall of the carbon containing part and the inner wall of the heating table. The

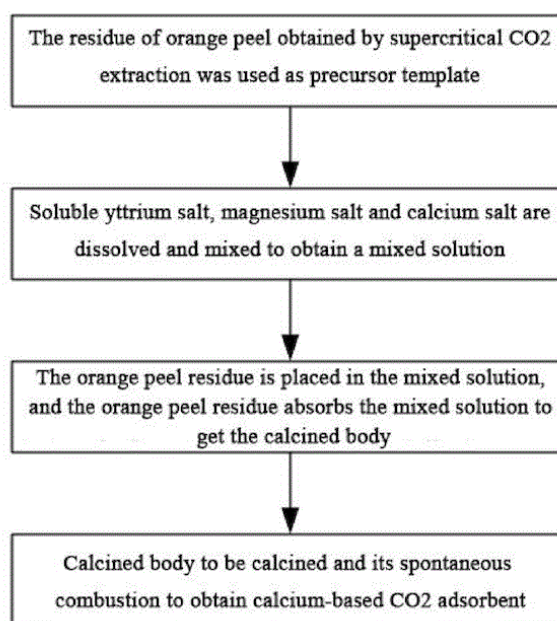
invention can overcome the defects in the prior art, such as environmental pollution caused by the emission of a large amount of nitrogen oxides, sulfur oxides and thick smoke due to the combustion of agricultural and forestry wastes, and the wood stove device structure and composite biochar design are reasonable, energy-saving and environment-friendly, low in cost and high in economy.



21: 2023/10087. 22: 2023/10/30. 43: 2024/04/30
51: B01D
71: Chongqing Technology and Business University
72: Donglin He, Hong Yin, Yafei Chen, Haifeng Gong, Ping Ouyang
33: CN 31: 202310940909.4 32: 2023-07-28
54: A PREPARATION METHOD OF CALCIUM BASED ADSORBENT BASED ON SUPERCRITICAL CO₂ EXTRACTION TECHNOLOGY

00: -
The invention discloses a preparation method of calcium based adsorbent based on supercritical CO₂ extraction technology. The orange peel residue after supercritical CO₂ extraction was used as the precursor template for the preparation of calcium-based CO₂ adsorbent. This results in the optimization of the microscopic pore structure of the calcium-based CO₂ adsorbent. This not only improves the adsorption capacity of calcium-based CO₂ adsorbent, but also eliminates the steps of continuous calcination in conventional preparation methods. By burning instead of calcination, it is beneficial to reduce the energy consumption

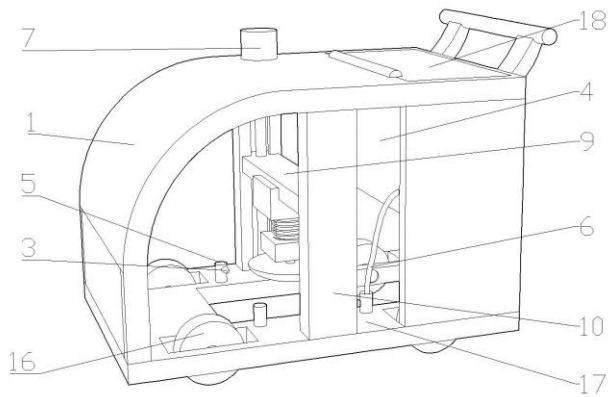
required for preparation and accelerate the preparation rate. Orange peel residue belongs to the extraction process waste residue, compared with the conventional precursor template, it has the advantages of excellent pore structure and low economic cost. In addition, by doping yttrium nitrate and magnesium nitrate in the calcium-based CO₂ adsorbent, it is beneficial to improve the sintering resistance and cycle stability of the calcium-based CO₂ adsorbent. It is beneficial to improve the CO₂ adsorption performance of calcium-based materials. The preparation method is simple and suitable for large-scale industrial production.



21: 2023/10088. 22: 2023/10/30. 43: 2024/04/30
51: E01C
71: Henan University of Urban Construction
72: ZHANG Huiyuan
54: ROAD SMOOTHING CONSTRUCTION DEVICE

00: -
The invention belongs to the technical field of road construction, and provides a road smoothing construction device, which includes a vehicle body; the smoothing head is rotatably adapted to the vehicle body to smooth the road; the drive piece is arranged on that vehicle body, the output end of the drive piece is connected with the smoothing head, and the smoothing head ascend and descends relative to the vehicle body through the drive piece; the buffer piece is arranged between the drive piece

and the smoothing head; the spray piece includes at least two spray heads arranged on the vehicle body, and the spray heads face the contact end of the smoothing head and the road surface; the water tank is fixed on one side of the vehicle body, the water inlet at the top of the water tank is provided with a cover plate, and the water tank is communicated with the spray heads. The invention effectively prolongs the service life of the smoothing head structure and improve the working efficiency of road surface smoothing construction.



21: 2023/10089. 22: 2023/10/30. 43: 2024/04/30
51: E01C

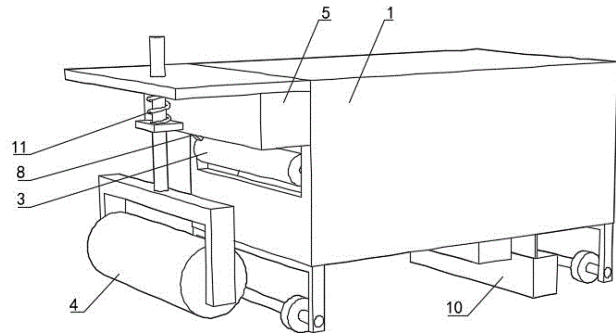
71: Henan University of Urban Construction
72: ZHANG Huiyuan

54: ROAD PLASTIC FILM STICKING EQUIPMENT FOR ROAD CONSTRUCTION

00: -

The invention relates to the technical field of road construction, and discloses a road plastic film sticking equipment for road construction, including a vehicle body, a film coating assembly includes a film roller, a guide roller and a flattening roller, where the film roller is installed in the vehicle body, the tail end of the vehicle body is provided with an output port, the guide roller is installed in the output port, and the flattening roller is installed at the tail end of the vehicle body; a cutting assembly comprises a box body, where the box body is fixedly connected with the tail end of the vehicle body, and a cutting piece is arranged in the box body, and the cutting piece is arranged corresponding to the guide roller and used for cutting the plastic film on the guide roller; the cleaning assembly comprises a cleaning piece and a collecting piece, where the cleaning piece is arranged in the middle of the bottom end of the

vehicle body, the collecting piece is arranged in the vehicle body, the cleaning piece is used for cleaning concrete particles on the road, and the collecting piece is used for collecting concrete particles in the cleaning piece. The invention has a simple structure, realizes road cleaning, plastic film laying and cutting after laying, and ensures laying efficiency and plastic film laying effect.



21: 2023/10090. 22: 2023/10/30. 43: 2024/04/30
51: A01G

71: Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences

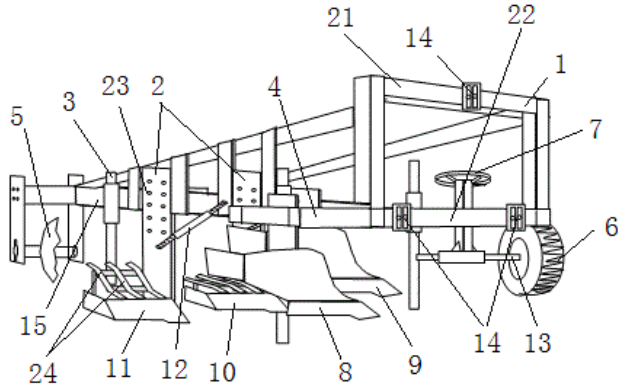
72: ZHU Baoguo, MENG Qingying, ZHANG Chunfeng, FENG Haoyuan, KUANG Enjun, TENG Zhanlin, YANG Weibin, WANG Ligu, HUANG Chengliang, WANG Qingsheng, MA Rui, QIU Lei, JIN Xiaochun, GAO Xuedong, XU Jiefei, WANG Zijie, CAI Lijun, WU Lili, YUE Minghao, JI Chunru, JING Jiangbo

54: SUBSOIL INTERVAL MIXING PLOUGH

00: -

The invention relates to the field of agricultural machinery, in particular to a subsoil interval mixing plough, which comprises a plough frame, a first share plough, a second share plough, a white slurry layer crushing plough, a deposition layer crushing plough and a depth limiting wheel, where the first share plough, the second share plough, the white slurry layer crushing plough and the deposition layer crushing plough are sequentially installed on the mounting beam of the plough frame. The second share plough is used for ploughing topsoil, the white slurry layer crushing plough is used for ploughing white slurry layer, the deposition layer crushing plough is used for ploughing deposition layer, and the ploughed soil is mixed by the second share plough, the white slurry layer crushing plough and the deposition layer crushing plough, thus realizing interval mixing; the plough frame is connected with a

tractor through a connecting rod and a suspension rod with adjustable length, and the angle of ploughing into the soil can be adjusted by adjusting the length of the suspension rod. The invention can effectively improve soil and increase crop yield, and is simple in structure, economical and practical.



21: 2023/10091. 22: 2023/10/30. 43: 2024/04/30
51: B22F; B30B; C22B; F21Y

71: Vinayak Malik, Dr. Avinash Lakshmikanthan, Sanket Shinde, Dr. Chithirai Pon Selvan

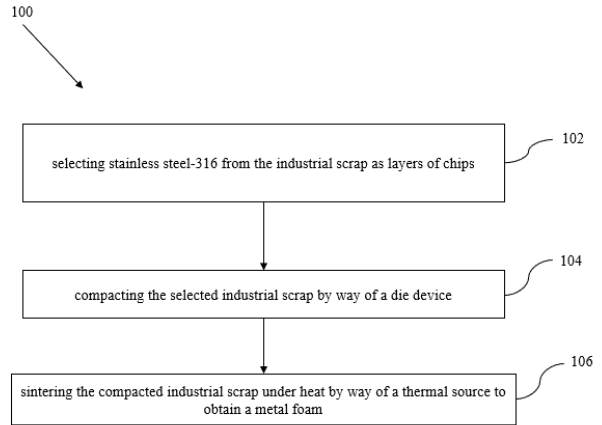
72: Vinayak Malik, Dr. Avinash Lakshmikanthan, Sanket Shinde, Dr. Chithirai Pon Selvan

33: IN 31: 202341000505 32: 2023-01-04

54: METHOD OF PRODUCING ENERGY ABSORBING FOAM FROM INDUSTRIAL SCRAP

00: -

Disclosed is a method (100) for producing metal foam from an industrial scrap, the method (100) includes selecting (102) stainless steel-316 from the industrial scrap as layers of chips, compacting (104) the selected industrial scrap by way of a die device (600), and sintering (106) the compacted industrial scrap under heat by way of a thermal source to obtain a metal foam. Fig. 1 will be the reference figure.



21: 2023/10092. 22: 2023/10/30. 43: 2024/04/30

51: A47B

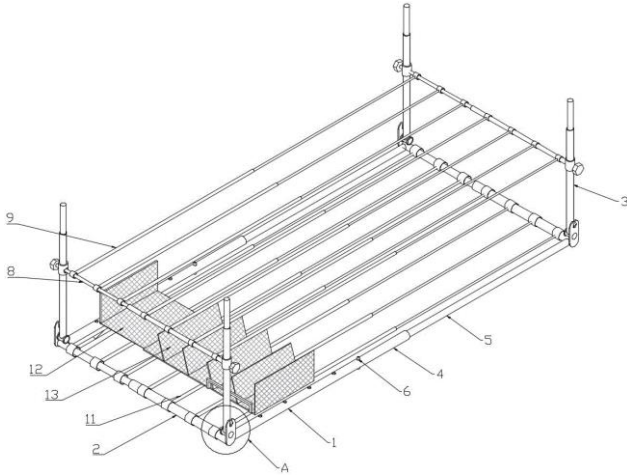
71: The First Hospital of Jiaying

72: Xiamei Chen

54: A STORAGE FOLDING RACK FOR A STERILIZER LOADING VEHICLE

00: -

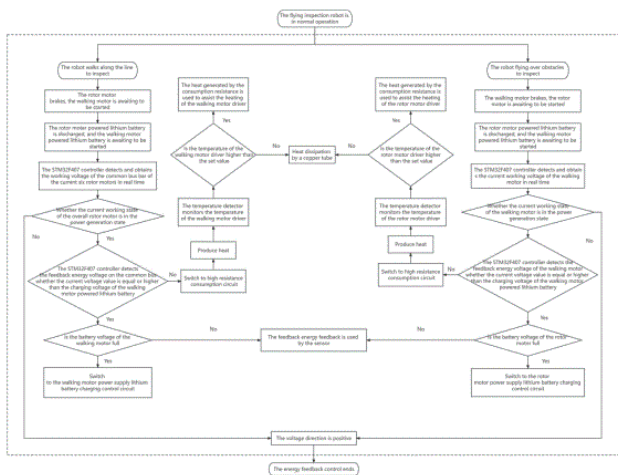
A storage folding rack for a sterilizer loading vehicle comprises a main frame and a layered frame, the main frame comprises long-side frames, wide-side frames, and upright frames, the long-side frame is a telescopic frame, and the long-side frame comprises an outer rod and an inner rod, wherein the outer rod is a hollow structure, and the inner rod is inserted into the outer rod, the inner rod is provided with a first elastic pressing column, and the outer rod is provided with through holes for limiting the position of the first elastic pressing column. A storage folding rack for a sterilizer loading vehicle of the invention is suitable for being placed on a sterilizer loading vehicle, the length, width, and height of the folding rack are adjustable, allowing it to adapt different sizes of loading vehicles; at the same time, the folding rack can accommodate multiple layered frames, allowing for vertical space division, increasing storage area and improving space utilization efficiency.



21: 2023/10093. 22: 2023/10/30. 43: 2024/04/30
51: B25J

71: Shihezi University
72: Jin LEI, Xinyan QIN, Yanqi WANG, Bo JIA, Huidong LI, Bo LI, Jie ZHANG, Zhaojun LI, Dexin WANG, Yujie ZENG, Jie SONG, Tianming FENG
54: DUAL-MODE ENERGY FEEDBACK CONTROL METHOD FOR A CIRCUIT INSPECTION ROBOT

00: -
The invention provides a dual-mode energy feedback control method for a circuit inspection robot, comprising a rotor motor energy feedback control method and a walking motor energy feedback control method. The invention proposes a multi-motor energy feedback control method, which solves the problem of damage to the motor driver when multiple motors of the circuit inspection robot frequently switch in the flying mode, and improves the ENERGY utilization rate and safety of the robot.

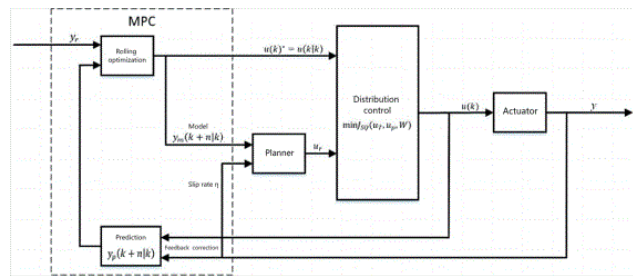


21: 2023/10094. 22: 2023/10/30. 43: 2024/04/30
51: B25J

71: Shihezi University
72: Jin LEI, Xinyan QIN, Tianming FENG, Huidong LI, Bo LI, Jie ZHANG, Zhaojun LI, Jie SONG, Yanqi WANG, Yujie ZENG, Dexin WANG

54: A SLIDING REVERSE CONSTRAINT CONTROL METHOD UNDER FLEXIBLE CABLE ENVIRONMENT OF FLYING-AWAY LINE INSPECTION ROBOT

00: -
The present invention disclosed a sliding reverse constraint control method under flexible cable environment of flying-away line inspection robot, which includes the following steps: S1: defining the state variables of the multivariable model predictive control of the flying-away line inspection robot, and establishing the state variable equation model of multivariable model predictive control; in each control cycle, obtaining an actual slip rate by comparing the output signal values of the controller; S2: in each control cycle, comparing the relationship between the actual slip rate and the target slip rate, establishing an objective function with the slip rate as one of the constraints, and solving the optimal solution of said objective function by using a genetic algorithm to obtain a reference input quantity of the multivariable model predictive control; S3: using the reference input, the real input of multivariable model predictive control is controlled and allocated. The present invention adopts the above-mentioned method, which can be used for input control of a model predictive control system, effectively solving the problem of reverse constraint existing in a multivariable model predictive control system, and improving the application range of the model predictive controller.

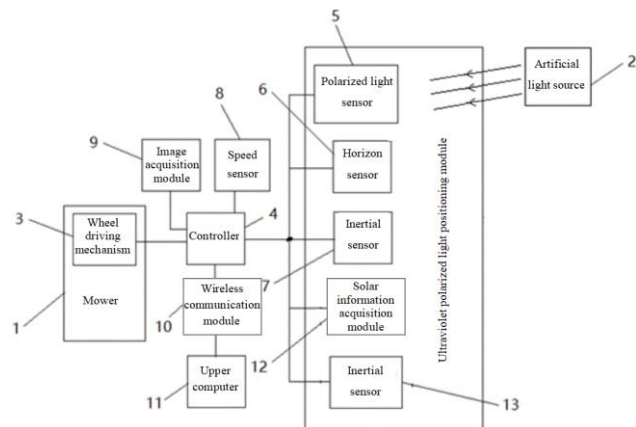


21: 2023/10096. 22: 2023/10/30. 43: 2024/04/30
51: G01C

71: Hubei University of Technology, Guang Zhou Shi Cong Hua Qu Wan Qu She Ji Xie Tong Yan Jiu Yuan
72: Lou Jiacheng, Ying Fangtian, Ying Weiqiang

54: MOWER SYSTEM AND MOWING METHOD BASED ON FIXED ARTIFICIAL ULTRAVIOLET POLARIZED LIGHT POSITIONING

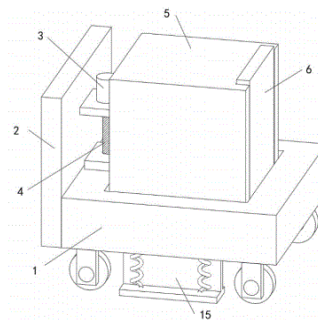
00: -
 The present invention discloses a mower system and a mowing method based on fixed artificial ultraviolet polarized light positioning, and the system includes a mower and an artificial light source, specifically, a wheel driving mechanism, an ultraviolet polarized light positioning module and a controller are arranged on the mower; the wheel driving mechanism and the ultraviolet polarized light positioning module are electrically connected to the controller; the ultraviolet polarized light positioning module is configured to acquire polarized light data of the artificial light source and an included angle between the mower and geographical north under a coordinate system of the mower; and the controller is configured to receive information acquired by the ultraviolet polarized light positioning module, plan a moving path of the mower, and control the mower to mow in a working area based on the planned moving path. According to the present invention, by means of stability of the ultraviolet polarized light, a change of ultraviolet polarized light angle and the included angle between the mower and the geographical north during the movement of the mower are obtained to determine a real-time position of the mower, and plan the moving path of the mower, and position data obtained during the day and night are stable and reliable and may be applied to accurate positioning of the mower.



21: 2023/10132. 22: 2023/10/31. 43: 2024/05/02
 51: G06Q
 71: ZHANG, Fan
 72: ZHANG, Fan

54: LOGISTICS TRANSFER DEVICE

00: -
 Disclosed is a logistics transfer device, including a mounting frame, a thermal insulation box, and a positioning support plate. The logistics transfer device is provided with a transmission gear and a first magnet so that the device drives the first magnet close to the second magnet via the rotation of the protective baffle, the first magnet repels the second magnet to push the linkage plate to slide, and the linkage plate drives the rotation of the transmission gear via the tooth block; the transmission gear drives the linkage upright post and the upper pressing plate to descend, so that the upper pressing plate presses and fixes articles, ensuring the stability during transportation, and facilitating the device to press articles of different sizes through the flexible pushing force between the first magnet and the second magnet, without the occurrence of articles not fixed in place or crushing the articles.

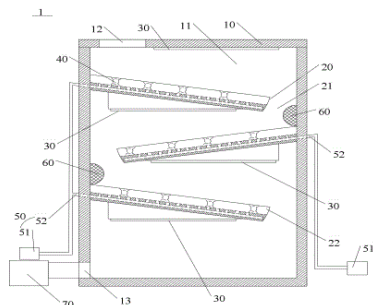


21: 2023/10133. 22: 2023/10/31. 43: 2024/05/02
 51: C02F
 71: YiLi Normal University
 72: LIU, Yunqing, WANG, Tianxing

54: VISIBLE LIGHT PHOTOCATALYTIC DEGRADATION SEWAGE TREATMENT DEVICE

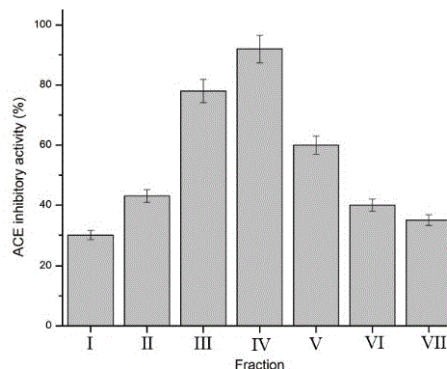
00: -
 The present invention discloses a visible light photocatalytic degradation sewage treatment device and relates to the technical field of sewage treatment, including a housing, a plurality of light source components configured to emit visible light, a plurality of rotating assemblies, an aeration assembly, and a plurality of guide plates provided from top to bottom in a treatment chamber; the housing is provided with the treatment chamber, a liquid inlet, and a liquid outlet; each guide plate is

provided obliquely downwards and provided with a guide groove extending from an upper end to a lower end; a lower side of each guide plate is fixedly provided with the light source component; one rotating assembly is rotatably provided in each guide groove. The visible light photocatalytic degradation sewage treatment device provided by the present invention can improve the work efficiency and treatment effect.



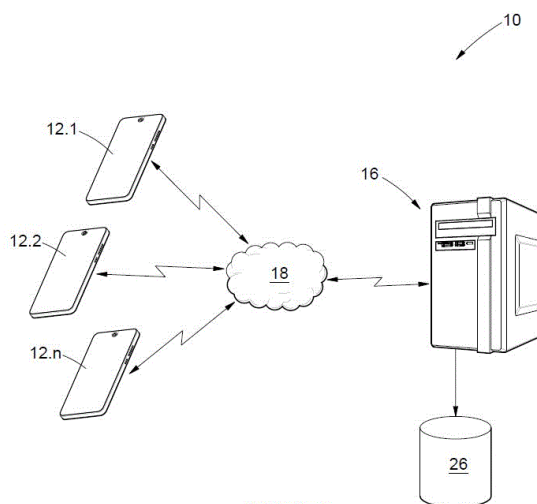
21: 2023/10136. 22: 2023/10/31. 43: 2024/05/02
 51: C07K
 71: Shandong Academy of Agricultural Sciences
 72: Fei Bian, Shousong Yue, Hua Zhao, Gao Chen, Deyuan Ma, Yan Zhang, Jinhui Yu
 33: CN 31: 202311240481.9 32: 2023-09-25
54: METHODS FOR PREPARATION OF AN ANGIOTENSIN-CONVERTING ENZYME (ACE) INHIBITORY PEPTIDE DERIVED FROM SALMON SKIN

00: -
 This invention pertains to the amino acid composition and method for an Angiotensin-Converting Enzyme (ACE) inhibitory peptide derived from salmon skin. Specifically, this peptide was released by proteolytic hydrolysis using a protease from the marine microorganism *Alteromonas* sp. P-1, and the amino acid sequence of the peptides was characterized as GLPGPP.



21: 2023/10137. 22: 2023/10/31. 43: 2024/05/02
 51: G09B
 71: SIEBRITZ, Stantin William
 72: SIEBRITZ, Stantin William
 33: ZA 31: 2022/11901 32: 2022-11-02
54: METHOD OF AND SYSTEM FOR ASSESSING AN ANSWER

00: -
 This invention relates to a system 10 for assessing an answer 42 against reference material 35, and comprises at least one user computing devices 12 and a centralised server 16 that is in data communication with the user computing device 12. The server 16 compares the answer 42 to the reference material 35, generates a similarity score that is representative of the contextual similarity of the answer 42 and the reference material 35, and utilises the similarity score to generate an assessed score for the answer 42.



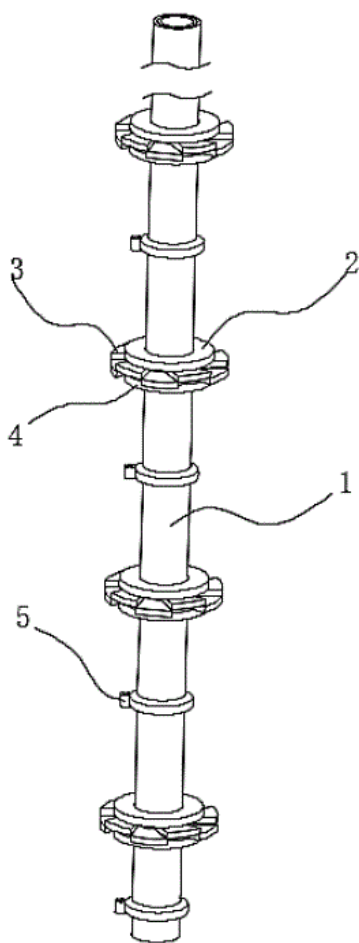
21: 2023/10140. 22: 2023/10/31. 43: 2024/05/02
 51: G01N

71: CCTEG CHONGQING RESEARCH INSTITUTE CO., LTD

72: Enbing Yi, Yongjiang Zhang, Longjing Wang, Dazhong Zhang, Shuanghui Niu, Shiwei Wang, Yifan Wang, Guangyu Guo, Qian Mu, Jun Shu

54: SEGMENTED CONCENTRATION DETECTION DEVICE FOR GOVERNANCE OF COAL MINE GAS

00: -
Disclosed is a segmented concentration detection device for governance of coal mine gas, which includes an outer pipe. An outer wall of the outer pipe is distributed with a plurality of fixed rings, a block sheet is rotationally arranged under each of the fixed rings, and a gas sensor is arranged between the adjacent two layers of block sheets. Compared with the prior art, the invention improves the detection accuracy and efficiency, increases the accuracy and efficiency of governance, which both bring important improvement and promotion for the governance and safe production of coal mine gas.



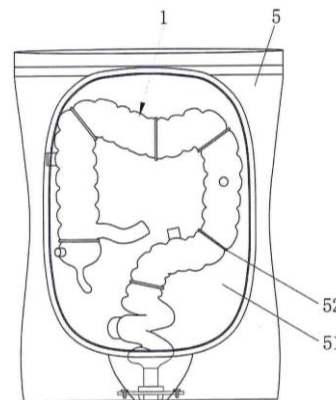
21: 2023/10141. 22: 2023/10/31. 43: 2024/05/02
51: G09B

71: THE FIRST AFFILIATED HOSPITAL OF NAVAL MEDICAL UNIVERSITY, PRECLINIC MEDTECH (SHANGHAI) CO., LTD.

72: ZHAO, Shengbing, WANG, Chenglong, BAI, Yu, SUI, Xiangyu, ZHANG, Song, PENG, Changhao, WU, Wanzhong

54: MODEL FOR TRAINING HIGH SIMULATION COLONOSCOPY

00: -
The present application relates to a model for training a high-simulation colonoscope, and relates to the field of a medical training model. The model includes a colon model and a polypus model detachably mounted on the colon model. The colon model is opened and provided with polypus replacing points for mounting the polypus model. The polypus replacing points are provided on different intestinal segments of the colon model. The polypus replacing points are provided at a plurality of different positions in a circumferential direction of the colon model. This application has the effect of simulating a variety of polypus lesion training scenarios, which contributes to the efficient conduct of colonoscopy training.



21: 2023/10149. 22: 2023/10/30. 43: 2024/05/03
51: B22D

71: NORTH CHINA UNIVERSITY OF SCIENCE AND TECHNOLOGY

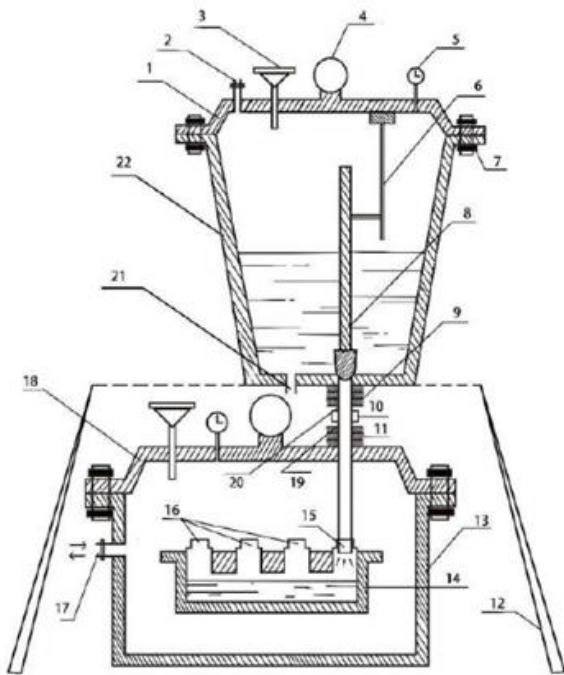
72: LIU, Jimeng, WANG, Shuhuan, ZHAO, Dingguo, SONG, Qiong, ZHANG, Fucheng

33: CN 31: 202211304520.2 32: 2022-10-24

54: DEVICE AND METHOD FOR PRODUCING CARBON AND NITROGEN COLLABORATIVE ULTRA-HIGH NITROGEN STEEL THROUGH MULTI-FURNACE PRESSURE CASTING

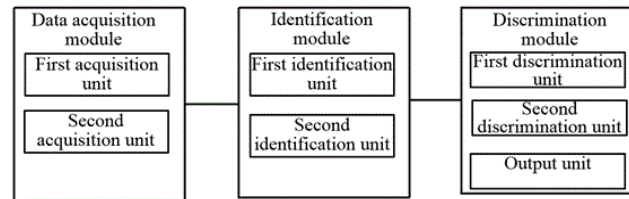
00: -

Disclosed is a device and method for producing carbon and nitrogen collaborative ultra-high nitrogen steel through multi-furnace pressure casting comprising a pressurizing ladle, a multi-furnace pressure casting chamber, a multi-furnace conversion connection device and a special grade of cast carbon and nitrogen collaborative ultra-high nitrogen steel. In the ladle, the nitrogen alloy of the molten steel is homogenized by stirring of the bottom blowing nitrogen and under the pressure of nitrogen; the pressure solidification in the casting chamber inhibits the escape of nitrogen, improves the element segregation and wear and corrosion resistance of the steel grade for carbon reduction and nitrogen increase. The invention designs the ladle and the casting chamber, and can achieve the multi-furnace pressure casting of different casting materials through a plurality of pressure casting chambers and the conversion connection device, thereby improving the production efficiency of the steel grade.



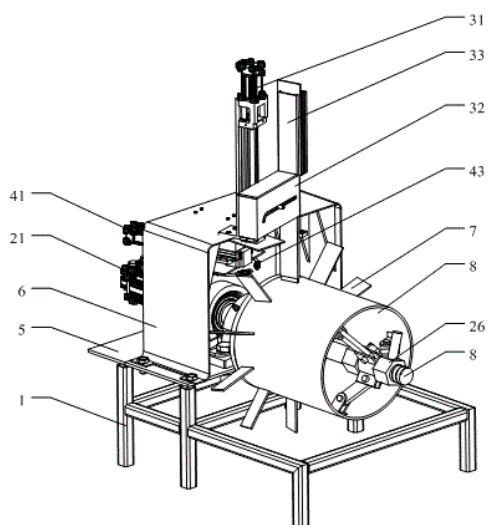
21: 2023/10187. 22: 2023/11/01. 43: 2024/05/10
 51: G06K
 71: TANGSHAN UNIVERSITY
 72: XUE Yali, ZHANG Jin
54: SYSTEM AND METHOD FOR IDENTIFYING DANGEROUS DRIVING BEHAVIORS BASED ON MACHINE VISION
 00: -

The invention discloses a system and a method for identifying dangerous driving behaviors based on machine vision, where the system for identifying dangerous driving behaviors based on machine vision includes a data acquisition module, an identification module and a discrimination module; the data acquisition module is used for collecting driving behavior data and automobile running data; the identification module is used for respectively identifying the driving behavior data and the automobile running data to obtain the driving behavior state and the automobile driving state of the driver; and the discrimination module is used for carrying out a risk discrimination on the driving behavior according to the driving behavior state and the driving state of the automobile. According to the invention, the driving behavior identification model is trained through transfer learning, and the accuracy of driving behavior identification is improved. At the same time, the invention obtains the dangerous driving behaviors of the driver through the driver's driving behavior identification method, and carries out early warning processing on the dangerous driving behavior classification.



21: 2023/10188. 22: 2023/11/01. 43: 2024/05/10
 51: A01B
 71: Tarim university
 72: Wensong GUO, Pengfei GUO, Yunhui BAI, Wei CUI, Zhaobin ZHENG, Yang WANG
54: A KIND OF COTTON PLANTER MULCH ROLLER WELDING ROBOT
 00: -
 The present invention discloses a cotton planter mulch roller welding robot comprising a frame, an umbrella-type support mechanism, a loading mechanism, and a welding mechanism, the umbrella-type support mechanism comprises a rotary power unit, a bearing housing, a drive shaft, a positioning block, a fastening assembly, and a clamping nut, wherein one end of the drive shaft is connected to the rotary power unit, the other end of the drive shaft is provided with a thread adapted to

be connected to the clamping nut, the drive shaft is provided with a shoulder located between the bearing seat and the thread, and the fixing assembly comprises a sliding block slidably mounted on the drive shaft, and a connecting rod is uniformly distributed on the outer wall of the sliding block, and the two ends of the connecting rod are rotatably connected to the sliding block and the support, respectively; The loading mechanism includes a first linear guide, a loading box, and a guide plate. The cotton seeder mulch roller welding robot of the present invention having the above structure completes the fixed-point welding of the wheel claw by controlling the automatic loading mechanism and the movement of the welding gun by the PLC and cooperating with the rotation of the mulch roller, which greatly improves the welding efficiency and the welding quality and meets the current demand.



21: 2023/10189. 22: 2023/11/01. 43: 2024/05/10
51: G01N

71: Ordos Haohua Hongqingliang Mining Co., Ltd,
Anhui University of Science and Technology, Anhui
Weipei Mining Technology Co., Ltd

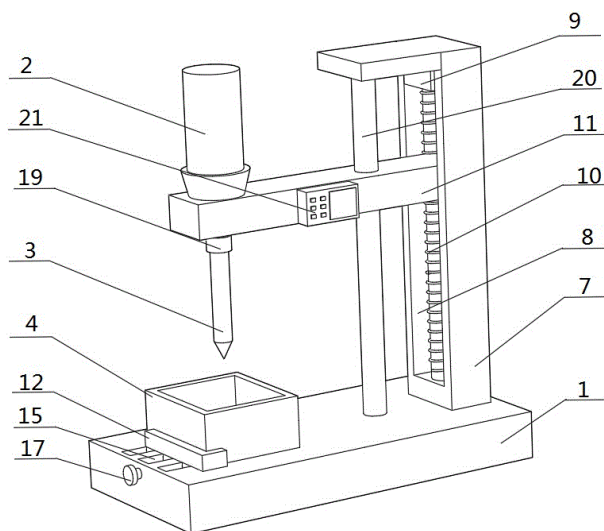
72: ZHANG Tao, MA Yaorong, LI Chenglong, AN
Yancheng, LIU Zhigang, ZHAO Danfeng, JING
Laiwang, XUE Weipei

54: NOVEL DRILLING SAMPLER

00: -

The invention discloses a novel drilling sampler, which belongs to the technical field of drilling machines, and includes a base, where a lifting assembly, a clamping assembly and a controller are arranged on the base; a drilling assembly, which

includes a first motor arranged at the lifting end of the lifting assembly, and an output shaft of the first motor is fixedly connected with a drill bit arranged perpendicular to the base; the sample container is detachably connected with the clamping assembly, and the sample container is located right below the drill bit, and the drill bit faces the sample container; the ranging assembly is arranged at the lifting end of the lifting assembly, and the ranging assembly is located right above the sample container. The invention can accurately control the drilling depth of the drill bit, thereby reducing the coring difficulty.



21: 2023/10190. 22: 2023/11/01. 43: 2024/05/10
51: F21V

71: NANDANWAR, Chandrasasya M.,
PARSHURAMKAR, D. M., MESHARAM, R. S.,
YERPUDE, Atul N., KOKODE, N. S., DHOBLE,
Sanjay J.

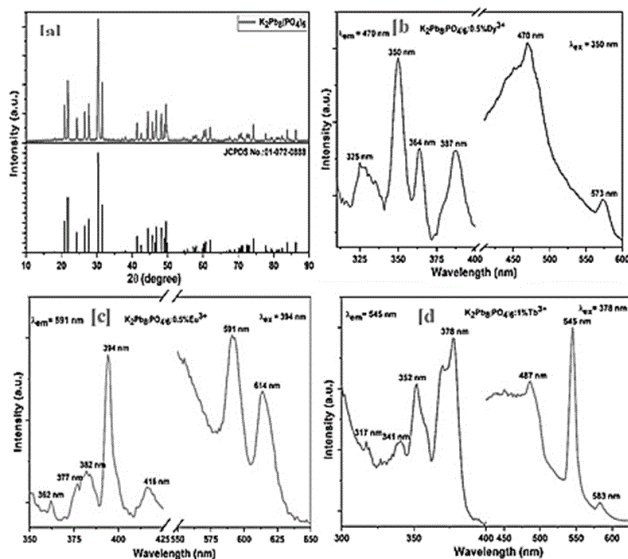
72: NANDANWAR, Chandrasasya M.,
PARSHURAMKAR, D. M., MESHARAM, R. S.,
YERPUDE, Atul N., KOKODE, N. S., DHOBLE,
Sanjay J.

54: A NOVEL K₂Pb₈(PO₄)₆:Dy³⁺, Eu³⁺, Tb³⁺ PHOSPHOR FOR N-UV BASED W-LEDS

00: -

The present invention is related to a novel K₂Pb₈(PO₄)₆:Dy³⁺, Eu³⁺, Tb³⁺ phosphor for n-UV based W-LEDs. The X-ray diffraction, photoluminescence properties, morphological study and CIE chromaticity coordinates were studied in detail. The XRD pattern confirms the hexagonal crystal system with space group P6₃/m (#176-1). The K₂Pb₈(PO₄)₆:Dy³⁺, Eu³⁺, Tb³⁺ phosphor

absorbs the n-UV excitation wavelength and emits visible light of different colors. By using all these wavelengths one can get white emission with CIE coordinates (x=0.236, y=0.315). The current findings suggest that a K₂Pb₈(PO₄)₆ host with co-doped Dy³⁺/Eu³⁺/Tb³⁺ phosphor can emit blue, yellow, green, orange, and red colour emission after excitation with near UV wavelength, making it an excellent candidate for application in n-UV based white LEDs.

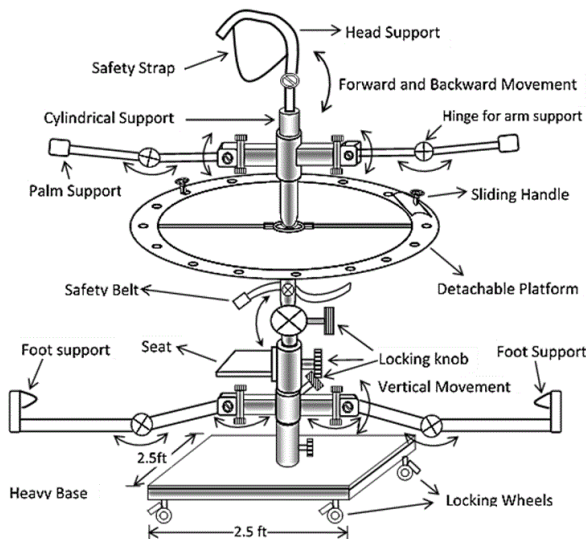


21: 2023/10191. 22: 2023/11/01. 43: 2024/05/10
 51: A61G
 71: RAI, Rakesh Kumar, DHOBLE, Sanjay J., GUPTE, Shamli S., DIVYA, Neetu, BANSODE, Amit R.
 72: RAI, Rakesh Kumar, DHOBLE, Sanjay J., GUPTE, Shamli S., DIVYA, Neetu, BANSODE, Amit R.

54: A YOGA CHAIR FOR PARKINSON'S DISEASE

00: -
 The present invention is related to a yoga chair for Parkinson's disease. A specialized yoga chair designed to assist individuals with Parkinson's disease in performing yoga and stretching exercises safely and effectively. This innovative chair offers a stable platform with locking wheels for mobility, a height-adjustable seat with a safety belt, and the flexibility to rotate 360 degrees to accommodate users of varying heights and abilities. Detachable platforms at chest height facilitate exercise equipment attachment, and leg support mechanisms below the seat provide both horizontal and vertical rotation for leg-related exercises. The chair also

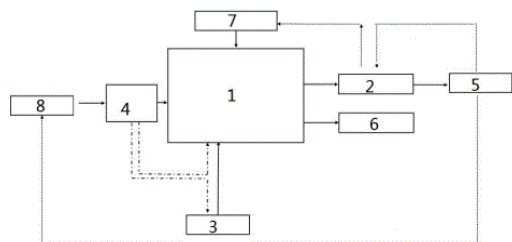
features a headrest with horizontal and vertical movement capabilities and arm support structures at shoulder height. Locking mechanisms on the chair's wheels ensure stability during exercises while preventing unintended movement. This invention prioritizes user comfort and accessibility, empowering individuals with Parkinson's disease to perform a wide range of yoga and stretching exercises independently.



21: 2023/10200. 22: 2023/11/01. 43: 2024/05/09
 51: C02F; C05F; C05G
 71: UNIVERSITY OF SCIENCE AND TECHNOLOGY BEIJING
 72: LI, Zifu, LYU, Yaping, WANG, Xuemei, ZHOU, Xiaoqin, FENG, Rui, AO, Xiuwei, CHENG, Shikun
 33: CN 31: 202310562826.6 32: 2023-05-18

54: INTEGRATED METHOD AND INTEGRATED SYSTEM FOR RESOURCE RECOVERY OF SOURCE-SEPARATED URINE

00: -
 Disclosed are an integrated method and an integrated system for resource recovery of source-separated urine. The integrated method for resource recovery of the source-separated urine includes: mixing the source-separated urine with an alkali metal peroxysulphate to obtain a mixture, and subjecting the mixture to evaporation-concentration by heating to obtain condensed water and a liquid compound fertilizer, wherein the liquid compound fertilizer includes urea, a phosphorus salt, and a potassium salt.



21: 2023/10218. 22: 2023/11/02. 43: 2024/05/09
51: A01K

71: HEILONGJIANG RIVER FISHERIES
RESEARCH INSTITUTE OF CHINESE ACADEMY
OF FISHERY SCIENCES

72: GENG, Longwu, SHANG, Xinchu, WEI, Haijun,
XU, Wei

**54: ARTIFICIAL BREEDING METHOD OF
LUCIOBARBUS CAPITO IN POND CULTURE**

00: -

The artificial breeding technology of *Luciobarbus capito* belongs to the technical field of aquaculture, particularly relates to an artificial breeding method of *Luciobarbus capito*. The object of the present disclosure is to solve the lack of an artificial breeding technology for *Luciobarbus capito* in a pond culture environment. The breeding method includes parent fish rearing, parent fish spawning induction, artificial egg and semen collection, artificial insemination, fertilized egg hatching, and fry rearing. The gonad development and maturity of *Luciobarbus capito* parent is promoted through monoculture and supplementing tubificidae animal baits. The dosage of agent for artificial spawning induction of parent fish in pond culture is optimized. After screening, appropriate anesthetics and anesthetic dosage are determined, which reduces the damage to the parents during the artificial breeding. By controlling the dissolved oxygen in the pond, the survival rate of *Luciobarbus capito* fry was improved.

21: 2023/10219. 22: 2023/11/02. 43: 2024/05/09
51: A61L

71: Anhui Polytechnic University

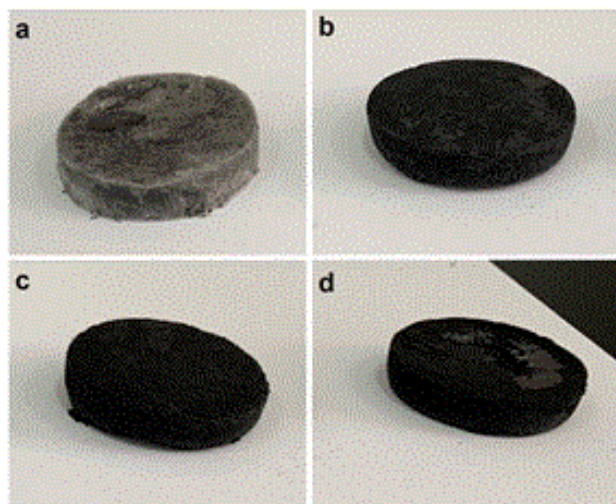
72: ZHAO Jianghui, LI Wanlong, LIU Zhi, YANG
Qinqin, SHI Yiling

**54: SILK FIBROINS/CARBON NANOFIBERS
COMPOSITE AEROGEL, PREPARATION
METHOD AND APPLICATION THEREOF**

00: -

The invention discloses a silk fibroins/carbon
nanofibers composite aerogel and a preparation

method and application thereof, belonging to the technical field of functional materials. A nanofiber membrane is prepared by electrostatic spinning technology, pre-oxidized and carbonized, ground, and sieved by a 100-mesh sieve to obtain carbon nanofibers; dissolving degummed silk in CaCl₂ solution, dialyzing in deionized water, and filtering to remove impurities to obtain silk fibroin aqueous solution; the mixed solution of carbon nanofibers and silk fibroin aqueous solution is placed in a mold, freeze-dried, and treated with ethanol vapor to obtain silk fibroin/carbon nanofibers composite aerogel. The composite aerogel has good biocompatibility and biodegradability, thermal insulation ability and performance, mechanical strength and environmental friendliness, and excellent salt tolerance, and can be reused, which can be used for the production of clean water in salt water and dyeing wastewater, and has a good practical application prospect.



21: 2023/10220. 22: 2023/11/02. 43: 2024/05/09
51: G01S

71: JILIN AGRICULTURAL UNIVERSITY

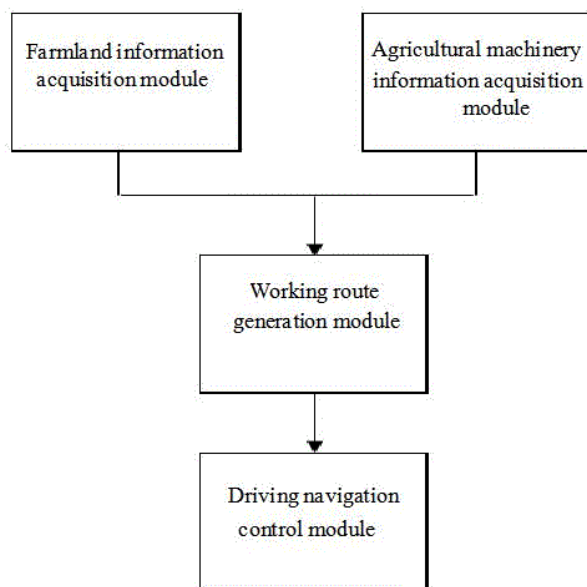
72: SONG Wei, REN Lili, WANG Jingli, MA Yunhai,
WANG Liyan

**54: AGRICULTURAL MACHINERY UNMANNED
NAVIGATION SYSTEM BASED ON FARMLAND
ENVIRONMENT PERCEPTION**

00: -

The invention relates to an agricultural machinery
unmanned navigation system based on farmland
environment perception, which comprises a farmland
information acquisition module, a navigation
positioning device and a navigation positioning

device, wherein the farmland information acquisition module is used for patrolling farmland based on unmanned aerial vehicles to acquire farmland environment information; the agricultural machinery information acquisition module is used for acquiring agricultural machinery working information based on basic working settings of agricultural machinery; the working route generation module is used for constructing the working route and obstacle avoidance opportunity of agricultural machinery based on farmland environmental information and agricultural machinery working information; and the driving navigation control module is used for controlling the unmanned agricultural machinery based on the working route and obstacle avoidance opportunity of the agricultural machinery. According to the invention, the unmanned agricultural machinery is controlled by navigation, so that the intelligence of the unmanned agricultural machinery for avoiding farmland obstacles can be improved, and the working area and efficiency of the agricultural machinery can be improved.



21: 2023/10221. 22: 2023/11/02. 43: 2024/05/09
51: A61B
71: NISARGANDHA, Milind A., PARWE, Shweta D., PARWE, Swapnil D., SHINDE, Prashant Kumar, DHOBLE, Sanjay J.
72: NISARGANDHA, Milind A., PARWE, Shweta D., PARWE, Swapnil D., SHINDE, Prashant Kumar, DHOBLE, Sanjay J.

54: A COMPACT ULTRASONOGRAPHY DEVICE FOR DETECTING AND MEASURING VISCERAL BODY FLUID

00: -

The present invention is related to a compact ultrasonography device for detecting and measuring visceral body fluid. The present instrument is designed to detect and measure the volume of visceral body fluid quickly in patients in emergency conditions to quickly relieve their pain. This compact and user-friendly device combines an ultrasonography (USG) scanning probe with an advanced control unit. The USG probe, with a unique design, employs a piezo-electric USG transducer and a signal processing unit to convert electrical pulses into ultrasound waves and analyze their reflections from the body. A signal communication USB cable facilitates data transfer to the control unit, which incorporates a central processing unit and sophisticated image processing applications. This application interprets reflected surface density data, generating high-quality 2D ultrasound images. Successive scans produce comprehensive 3D volumes. A specialized algorithm enables precise measurement of visceral fluid volume in the 3D ultrasound image set. The touchscreen display ensures user-friendly operation.



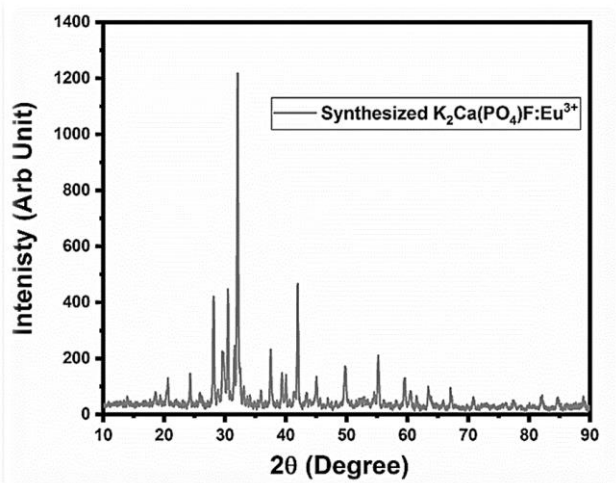
21: 2023/10222. 22: 2023/11/02. 43: 2024/05/09
51: H01S

71: PAWAR, Sagar S., PARAUHA, Yatish R., MULEY, Aarati, BISHNOI, Swati, DHOBLE, Sanjay J.
72: PAWAR, Sagar S., PARAUHA, Yatish R., MULEY, Aarati, BISHNOI, Swati, DHOBLE, Sanjay J.

54: A PROCESS FOR THE SYNTHESIS OF YELLOW EMITTING EU3+ ACTIVATED K2CA(PO4)3F PHOSPHOR FOR MOSQUITO REPELLENT LAMP

00: -

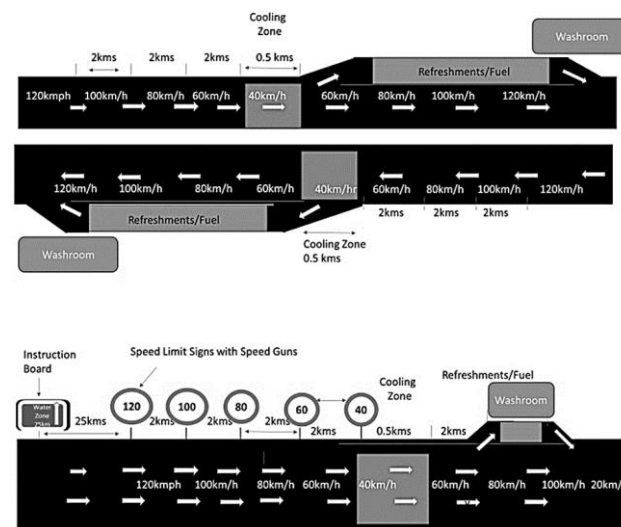
The present invention is related to a process for the synthesis of yellow emitting Eu³⁺ activated K₂Ca(PO₄)₃F phosphor for mosquito repellent lamp. A modified solid-state reaction method is employed for the preparation of these phosphors, involving the introduction of Eu³⁺ ions in concentrations ranging from 0.5 to 3.0 mol%. The resultant phosphors exhibit a distinctive ultraviolet (UV) excitation band, primarily attributed to charge transfer (O₂ → Eu³⁺), making them ideal for lighting applications. The emission spectra display multiple bands, with a prominent yellow emission at 571 nm. The phosphors are characterized by CIE chromaticity coordinates within the yellow region (approximately 0.496, 0.503), confirming their suitability for use in mosquito repellent lamps. Additionally, emission intensity is optimized through the controlled variation of Eu³⁺ ion concentration, as demonstrated by a concentration quenching curve. This invention offers an approach to producing effective mosquito repelling illumination, thereby addressing a significant challenge in public health and comfort.



21: 2023/10223. 22: 2023/11/02. 43: 2024/05/09
 51: G08G
 71: CHAUDHARI, Priyal S., DHOBLE, Sanjay J.
 72: CHAUDHARI, Priyal S., DHOBLE, Sanjay J.
54: A SYSTEM TO REDUCE ACCIDENTS ON THE HIGHWAY

00: -
 The present invention is related to a system to reduce accidents on the highway. The invention presented herein is an innovative and cost-effective system designed to enhance safety, well-being, and the overall travel experience on the highway. Focusing on addressing two primary causes of accidents highway hypnosis and tire bursts, the system incorporates a range of measures to reduce accident frequency. It introduces unique elements,

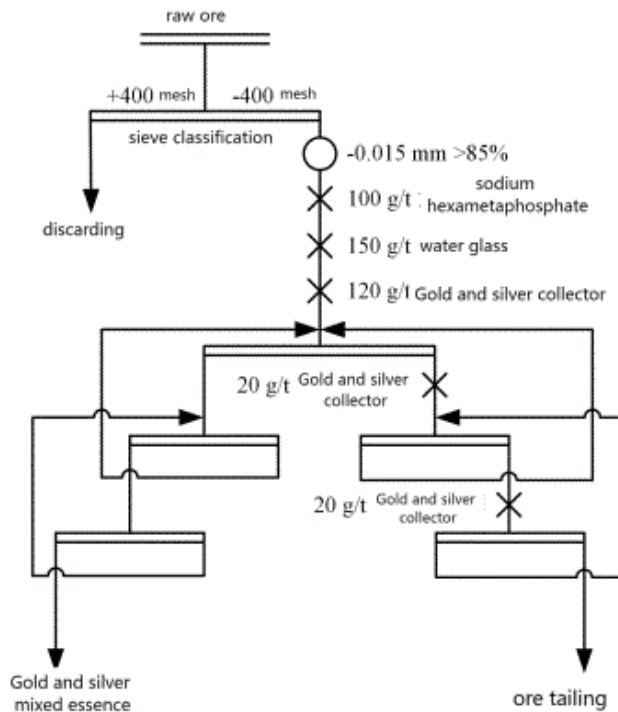
including speed reduction zones, a water patch cooling system, and appealing signage to maintain driver engagement and alertness during extended journeys. Public awareness is promoted through informative signage and instruction boards. Furthermore, the system seeks to improve traveler well-being by providing convenient amenities such as restaurants and restrooms. To expedite response during accidents, the system includes air ambulance services and strategically placed helipads experience.



21: 2023/10224. 22: 2023/11/02. 43: 2024/05/09
 51: B03B
 71: Central South University
 72: Shangyong LIN, huang ZHOU, Chenyang ZHANG, Hongliang ZHANG, Wei SUN, Runqing LIU, Haisheng HAN, Lei SUN, Honghu TANG, Weiping LIU, Feng JIANG, Xiangsong MENG, Xujian CHAI
 33: CN 31: 2022113851016 32: 2022-11-07
54: A METHOD FOR COMPREHENSIVE RECOVERY OF GOLD AND SILVER FROM LEAD-ZINC TAILINGS WITH ULTRA-LOW GOLD CONTENT

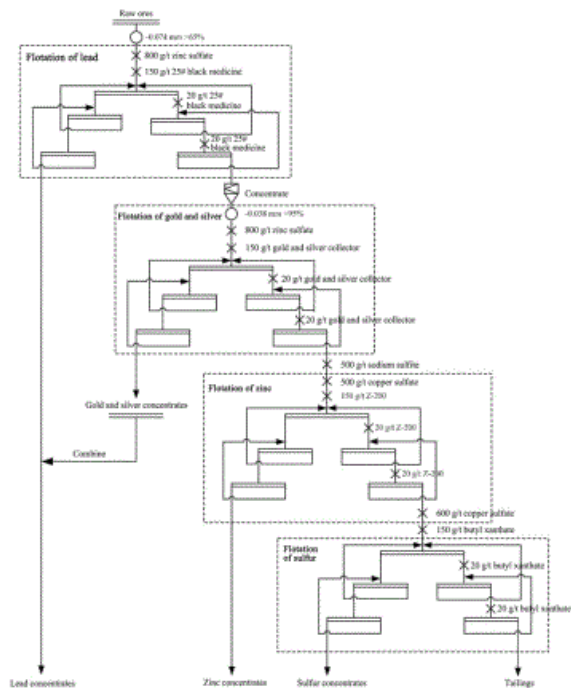
00: -
 The present invention belongs to the field of mineral processing technology, in particular to a method for comprehensive recovery of gold and silver from lead-zinc tailings with ultra-low gold content. The method of recovering gold and silver includes the following steps: firstly, the tailings after the selection of lead-zinc-sulfur are classified, and the coarse-grained grade after classification is pre-ejected, and the fine-grained grade is concentrated and then ground; grinding to minus 0.015 mm accounted for

more than 80%, in turn, adding dispersant, inhibitor and collector for gold and silver flotation. The beneficiation method has low energy consumption, small equipment area and high separation efficiency. Compared with the existing process of recovering gold and silver from tailings, the technical scheme disclosed by the invention can treat tailings with ultra-low gold content without cyanide leaching, with small investment, less environmental pollution and high resource utilization rate. In particular, it can greatly improve the enrichment ratio of gold and silver and improve the recovery rate of gold and silver resources in tailings.



21: 2023/10225. 22: 2023/11/02. 43: 2024/05/09
 51: B03B
 71: Central South University
 72: Shangyong LIN, Chenyang ZHANG, Hongliang ZHANG, Wei SUN, Runqing LIU, Haisheng HAN, Lei SUN, Honghu TANG, Weiping LIU, Feng JIANG, Xiangsong MENG, Xujian CHAI
 33: CN 31: 2022113851105 32: 2022-11-07
54: MINERAL SEPARATION PROCESS FOR GOLD AND SILVER-BEARING POLYMETALLIC SULFIDE
 00: -
 Disclosed are a mineral separation process for improving the recovery rate of gold and silver by regrinding lead tailings and a use method thereof.

The process adopts a two-stage grinding separation method to address the problems of fine disseminated grain size, difficulty in recovery, and the like of gold and silver associated in lead-zinc ores. Under the condition of large grain size, separated lead minerals are preferentially recovered, and then tailings after lead separation or scavenged concentrates are reground and reconcentrated to obtain gold and silver concentrates, zinc concentrates, and sulfur concentrates in sequence. Compared with the prior art, the present invention has the following beneficial effects: according to the technical solutions disclosed in the present invention, under the condition of large grain size, separated main metallic minerals are preferentially recovered to avoid over-grinding of separated main metallic minerals and further recover fine gold and silver minerals that are difficult to recover in the conventional process. Therefore, the present invention increases the comprehensive recovery and utilization rate of lead-zinc mineral resources associated with gold and silver, and lays a foundation for the production process for polymetallic ores with fine disseminated grain size, complex structure, and rare and precious associated metals.



21: 2023/10226. 22: 2023/11/02. 43: 2024/05/09

51: B03B

71: Central South University

72: Shangyong LIN, Xiangsong MENG, Hongliang ZHANG, Wei SUN, Runqing LIU, Haisheng HAN, Lei SUN, Honghu TANG, Weiping LIU, Feng JIANG, Xujian CHAI

33: CN 31: 2022113857972 32: 2022-11-07

54: AN ENVIRONMENTALLY FRIENDLY PRECIOUS METAL FLOTATION COLLECTOR AGENT AND APPLICATION

00: -

The present invention is in the technical field of flotation and particularly relates to an environmentally friendly precious metal flotation collector agent and application. The collector is used for precious metal flotation; the preparation method thereof is: preparing 10~30 portions of alcoholic organic compounds, 1~10 portions of phosphorus halide, 10~100 portions of organic solvent, 1~20 portions of sulfur source, and 1~20 portions of amine according to the weight portion; firstly, mixing evenly the prepared alcoholic organic compounds, phosphorus halide and organic solvent, and obtaining the mixed solution A; then adding the prepared sulfur source and amine to the mixed solution A, then stirring, finally adding 0-10 portions of strong acid or strong alkali, stirring and mixing well to obtain the product. The obtained product has a strong collecting effect on precious metals such as gold, silver, copper, ruthenium, rhodium, palladium, osmium, iridium, and platinum, and has a stronger collecting ability and selectivity than the prior art. Meanwhile, the environmental protection pressure of the obtained product is far less than that of the prior art, the obtained product can be widely used in the flotation of various precious metal-containing minerals, solid wastes, and smelting waste, and has excellent practical value and industrial application prospects.

21: 2023/10227. 22: 2023/11/02. 43: 2024/05/09

51: E02D

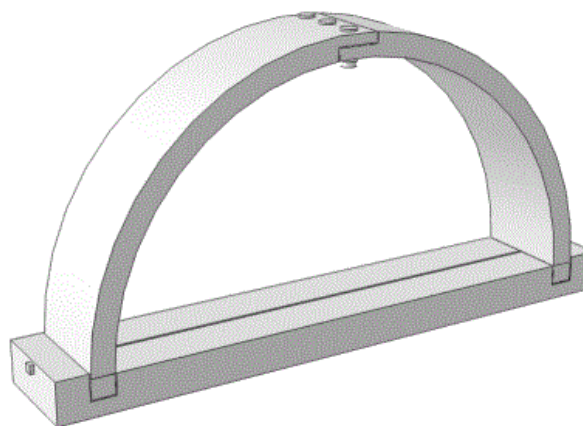
71: Jilin Jianzhu University

72: Jingwei CAI, Jiangning LI, Yujie JIN, Xinying XIE, Guanjie LI, Xinsheng YIN, Chunfeng ZHU, Yongmei QIAN, Lina XU, Wei TIAN, Zhengyi DONG, Yi ZHU, Qixiang WANG, Zhanqian MA

54: A KIND OF PREFABRICATED EPOXY RESIN CONCRETE PRESTRESSED UNDERGROUND SPACE STRUCTURAL SYSTEM

00: -

The present invention discloses a kind of prefabricated epoxy resin concrete prestressed underground space structural system, including several single-segment structural bodies, the material of the single-segment structural body is epoxy resin concrete, the section of the single-segment top plate structural body is set to an arched section, the single-segment structural body includes a top plate and a bottom plate, wherein the bottom plate is provided with through holes for placing prestressed steel bars. The top plate is composed of two prefabricated components of prefabricated arc section, and the splicing joints of the top plate and the top plate are connected by bolts. The top plate and the bottom plate are connected with the prestressed steel bars through the slotted socket, the joint is sealed by sealing strip and epoxy resin mortar grouting, the slotted socket and the prestressed steel bars through holes are also provided with sealant strips and grouted with epoxy resin mortar. The present invention adopts the kind of prefabricated epoxy resin concrete prestressed underground space structural system of the above structure, which can solve the problems of weak deformation resistance, weak crack resistance, weak impermeability, poor corrosion resistance and difficult later maintenance of the traditional underground space structure.



21: 2023/10228. 22: 2023/11/02. 43: 2024/05/09

51: G06T

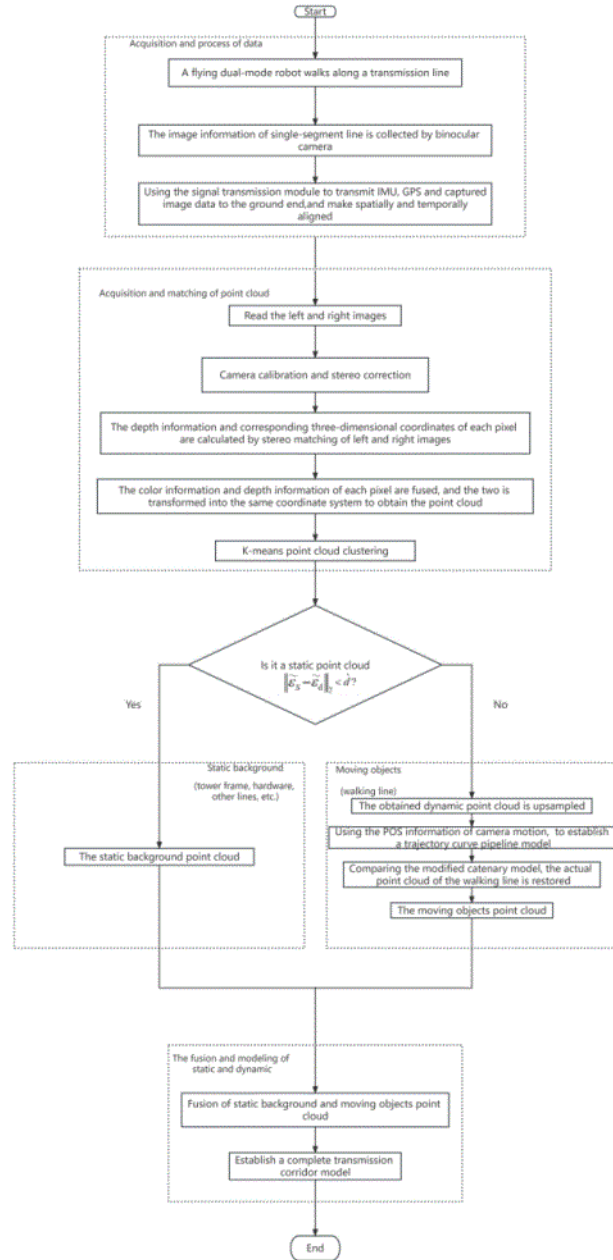
71: Shihezi University

72: Jin LEI, Xinyan QIN, Yujie ZENG, Bo LI, Jie ZHANG, Zhaojun LI, Dexin WANG, Jie SONG, Huidong LI, Yanqi WANG, Tianming FENG

54: FAST RECONSTRUCTION METHOD OF TRANSMISSION CORRIDOR BASED ON MULTI-

SOURCE DATA AND FLYING DUAL-MODE ROBOT

00: -
 The present invention discloses a fast reconstruction method of transmission corridor based on multi-source data and flying dual-mode robot, which belongs to the field of intelligent inspection power line technology. The three-dimensional reconstruction method of transmission corridor based on segment is established by combining POS information and other multi-source data in the process of flying dual-mode robot walking along the ground line; flying up and down the line, flying over the tower head and walking along the ground are two kinds of switchable special motion modes, the multi-source data, robot trajectory and structured working conditions are integrated to reconstruct the static and dynamic routes, it can not only realize the lightweight of reconstruction data and reduce the overall reconstruction cost, but also quickly establish the scene model of the flying dual-mode robot during online walking and reconstruct the complete transmission corridor.



21: 2023/10229. 22: 2023/11/02. 43: 2024/05/09
 51: C01F

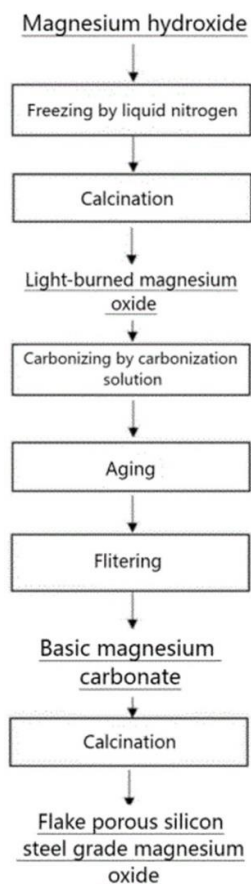
71: Central South University
 72: Weiping LIU, Junfeng CHENG, Qianqiu TIAN, Wei SUN

33: CN 31: 2022113848441 32: 2022-11-07

54: PREPARATION METHOD FOR FLAKE POROUS SILICON STEEL GRADE MAGNESIUM OXIDE

00: -
 The invention discloses a process of flake porous silicon steel grade magnesium oxide. Solution 1 involved in the invention is as follows: a wide

temperature range-wide temperature difference strategy is adopted, the magnesium hydroxide liquid nitrogen is frozen and rapidly calcined to prepare the light-burned magnesium oxide, the high-temperature light-burned magnesium oxide is carbonized and aged after adding carbonization solution, the basic magnesium carbonate is obtained after aging and filtration, the flake porous silicon steel grade magnesium oxide is obtained after the calcination of the basic magnesium carbonate. In this solution, the magnesium hydroxide is used as raw material to prepare flake porous silicon steel grade magnesium oxide, the wide temperature range-wide temperature difference strategy is used to form a light-burned magnesium oxide template, after carbonization, aging, and calcination, and the flake porous silicon steel grade magnesium oxide is obtained. The second scheme involved in the invention is as follows: the magnesium compound powder which is calcined to produce the light magnesium oxide raw material powder is taken as the treatment object; the treatment object is first placed in an ultra-low temperature for heat preservation and then sintered. The apparent specific volume and morphology of the silicon steel grade magnesium oxide prepared by the invention are controllable, the product quality is stable, the production efficiency is high, and the industrial production requirements are met.



21: 2023/10230. 22: 2023/11/02. 43: 2024/05/09
51: G06F

71: VISHWAKARMA INSTITUTE OF
INFORMATION TECHNOLOGY

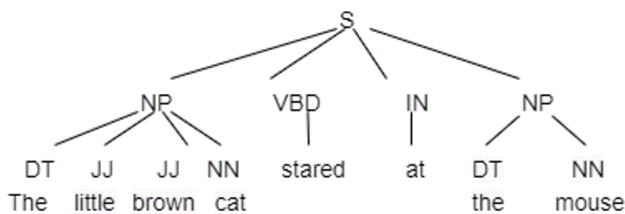
72: RATHI, Snehal, KULKARNI, Amrut Prasad,
PATIL, Swati, CHAVHAN, Pranali

**54: A SYSTEM FOR AUTOMATIC QUESTION
GENERATION FROM TEXTUAL DATA USING
NATURAL LANGUAGE PROCESSING
TECHNIQUES**

00: -

The present invention related to a system for automatic question generation from textual data using natural language processing techniques. In this world of ever-growing technology, human shave tried to develop systems to make their work as easy as possible. Carrying out educational activities is not an easy task. There are a lot of things to manage or taken care by the professors. To reduce the work load of the professors Web Application is developed to generate automatic questions based on the data being provided to the system. By applying text preprocessing, part-of-speech tagging, and cosine

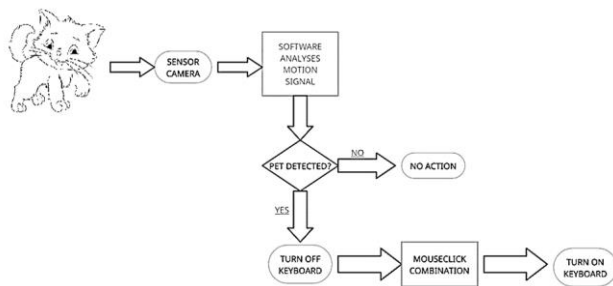
similarity calculation, the system generates a range of both objective and subjective questions with contextually relevant answers. This will not only make the jobs of the professors easy but will also allow them to process huge educational syllabus and generate any type of questions using that data.



21: 2023/10231. 22: 2023/11/02. 43: 2024/05/09
 51: G06F
 71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
 72: MALI, Atharva Sachidanand, MALI, Adhiraj Sachidanand, INGLE, Yashwant, MAHALLE, Parikshit

54: A PET RESISTANT KEYBOARD

00: -
 The present invention is related to a pet-resistant keyboard. According to the invention, a noble idea that comforts the effort of any person whose work involves typing on a keyboard is of higher importance by eliminating external disturbances that can involve pressing random keys on the keyboard that can disturb important ongoing tasks. In addition to this, an intermediate sensor that provides protection for keys pressed by pets by detecting them and auto-turning off the keyboard. To turn on the keyboard, an easy mouse click pattern needs to be used that has never been done before.



21: 2023/10232. 22: 2023/11/02. 43: 2024/05/09
 51: G06F
 71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
 72: THITE, Gandharva Dattaprasad, BEWOOR, Laxmi Anand, GAIKWAD, Vidya Shrimant

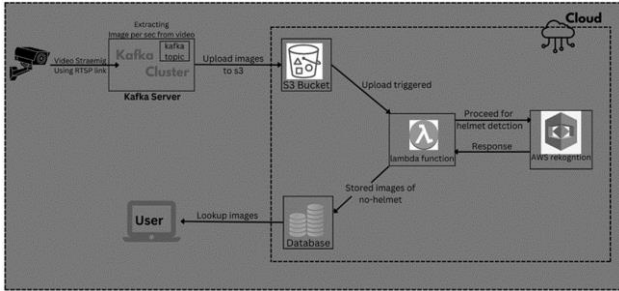
54: A SMART HIERARCHICAL ANNOTATOR SYSTEM FOR CLASSIFYING RESEARCH PAPERS AND ABSTRACTS

00: -
 The present invention is related to a smart hierarchical annotator system for classifying research papers and abstracts. The proposed system utilizes research papers or abstracts in ".docx" format as input and classifies them into three hierarchical classes: domain, subdomain, and relevant subdomain words. By focusing on the abstract, it effectively determines the research paper's hierarchy even when full-length papers are unavailable. Leveraging mathematical principles like set theory and probability scores, the algorithm achieves rapid and accurate hierarchical classification, reducing the reliance on extensive training datasets and minimizing training time.

21: 2023/10233. 22: 2023/11/02. 43: 2024/05/09
 51: G06F
 71: VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY
 72: CHAUDHARI, Satyen, CHAVAN, Rohini A., RAUT, Ketan J., NAVGHANE, Ashwini P.

54: A CLOUD BASED HELMET DETECTION SYSTEM FOR RIDERS

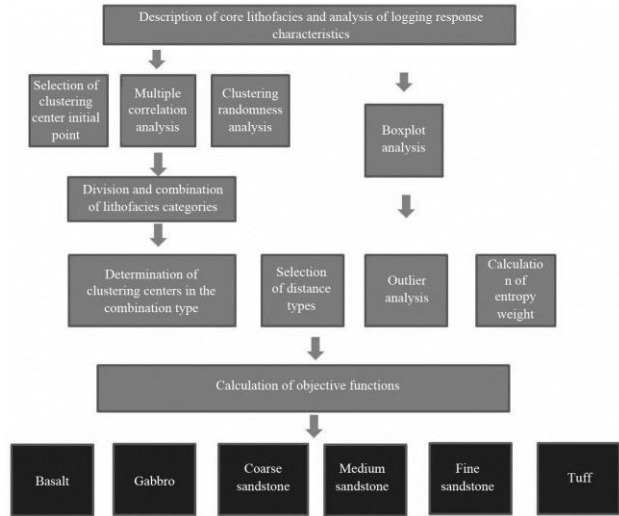
00: -
 The present invention is a cloud-based detection system for riders without helmets on two-wheelers. The system uses a combination of security cameras, cloud-based technology, and image recognition algorithms to monitor and analyze rider behavior in real-time. The system relies on a sophisticated combination of security cameras and real-time data processing to analyze rider behavior and detect instances of helmet-less riding. By detecting and alerting authorities to riders without helmets, the system can improve road safety and reduce the number of accidents caused by helmet-less riders. The system is scalable and can be easily deployed in a variety of settings, making it a valuable tool for traffic management authorities, law enforcement agencies, and other organizations concerned with promoting safe and responsible riding practices.



21: 2023/10260. 22: 2023/11/03. 43: 2024/05/09
 51: G01V; G06F
 71: Xinjiang University
 72: WANG, Xidong, TIAN, Feng, LI, Xin, WANG, Di, XU, Han

54: OPTIMIZED KNN CLUSTERING METHOD BASED ON A WEIGHTED COSINE SIMILARITY DISTANCE FOR DETERMINING COMPLEX LITHOLOGY OF LOW-PERMEABILITY SANDSTONE

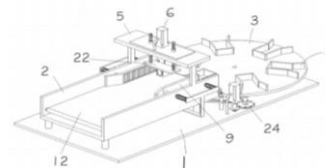
00: -
 The present invention relates to the technical field of oilfield exploration and development, and discloses an optimized KNN method based on weighted distance discrimination to realize complex lithology identification of low-permeability sandstone. In view of complex geological characteristics of a target area, the lithofacies type identification and petrophysical property analysis are performed, and a lithofacies classification scheme is determined and obtained; the intelligent KNN algorithm for lithofacies classification is optimized. An optimized KNN clustering method based on a weighted cosine similarity distance for lithology identification is provided to better match lithology models. The method for exploring and dividing complex lithology of low-permeability sandstone based on geological characteristics and optimized algorithm can be extended to an application environment under different geological conditions, in order to serve the subsequent unconventional oil and gas evaluation.



21: 2023/10270. 22: 2023/11/03. 43: 2024/05/09
 51: G06Q
 71: MA, Donglin
 72: MA, Donglin

54: LOGISTICS DISPATCHING DEVICE

00: -
 Disclosed is a logistics dispatching device, including a bearing base plate and a dispatching-conveying platform fixedly mounted on a left side of a top surface of the bearing base plate, a dispatching-distribution platform being rotatably arranged on a right side of the top surface of the bearing base plate via a bearing; a scanning bracket being fixedly arranged on a right side of a top surface of the dispatching-conveying platform. A driving motor is fixedly arranged at a front middle part of the bearing base plate; both front and rear ends of an inner right side of the dispatching-conveying platform are slidably connected to inner ends of calibration contact plates in a penetration manner, and calibration traction rollers are rotatably provided equidistantly inside each of the calibration contact plates on front and rear sides via a bearing.



21: 2023/10271. 22: 2023/11/03. 43: 2024/05/09
 51: C12N
 71: Inner Mongolia Minzu University

72: Fenglan HUANG, Rui LUO, Yanpeng WEN, Guorui LI, Jianjun DI, Huayang ZHAO, Cheng WANG, Zhibiao HE, Jinglong ZHANG, Yong ZHAO, Mu PENG, Shuyan XU, Chunguang BAO, Wenyu HAN, Chao WANG, Qi WEN, Ruhui CHANG, Huibo ZHAO, Xiaotian LIANG, Mingda YIN, Zhiyan WANG, Xuemei HU, Mingjing LI, Xiaohui GU, Zhimin SU, Ruxin LI

33: CN 31: 2023104644863 32: 2023-04-27

54: RICINUS COMMUNIS L. PIP5K11 GENE AND APPLICATION THEREOF

00: -

The present disclosure discloses a Ricinus communis L. PIP5K11 gene and an application thereof, and relates to the technical field of plant genetic engineering. The key point of the technical solution is that the full-length nucleotide sequence of the PIP5K11 gene is SEQ ID No: 1. The PIP5K11 gene encodes 395 amino acids. The overexpressed PIP5K11 gene can be applied to promoting the early flowering and fruit ripening of plants, improving the seed quality, inhibiting the growth of primary branches and developing the flowers and fruits; the PIP5K11 gene can affect the expression quantities of PIP5K1, PIP5K2, PIP5K6, PIP5K8 and PIP5K9 genes in the same family.

21: 2023/10272. 22: 2023/11/03. 43: 2024/05/09
51: C05G

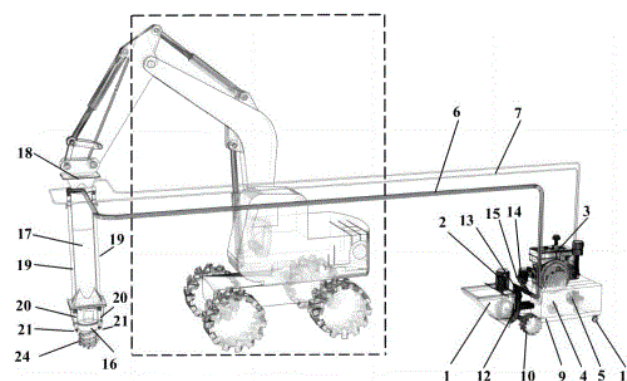
71: University of Science and Technology Beijing
72: Pingfeng FU, Siqi ZHANG, Wen NI, Yuliang ZHANG, Wei DENG, Jia LI

54: A DIGGING STIRRING AND STABILIZER INJECTING DEVICE FOR IN-SITU REMEDIATING DEEP CONTAMINATED SOIL

00: -

The present invention disclosed a digging stirring and stabilizer injecting device for in-situ remediating deep contaminated soil, which belongs to the field of soil remediation technology, including a pharmaceutical high-pressure slurry spraying mechanism and a digging stirring stabilizer injecting mechanism, pharmaceutical high-pressure slurry spraying mechanism includes a stabilizer stirring tank, a diesel engine, a compressed air pipe and a slurry reflux pressure reduction assembly, the stabilizer stirring tank is mounted at the front of a rack, and a stirrer is mounted on the upper part of the stabilizer stirring tank, the diesel engine is connected with the high-pressure slurry spraying pump and the air compressor via the belt, and the

high-pressure slurry spraying pump is connected with the high-pressure slurry spraying pipe. The present invention adopts the above-mentioned digging stirring and stabilizer injecting device for in-situ remediating deep contaminated soil, the digging and stirring head has large torque and strong cutting ability, which can dig the hard soil layer mixed with sand and gravel, and insert the digging and stirring head and spray gun into the deep soil to realize the in-situ stabilizer injecting remediation of deep contaminated soil.



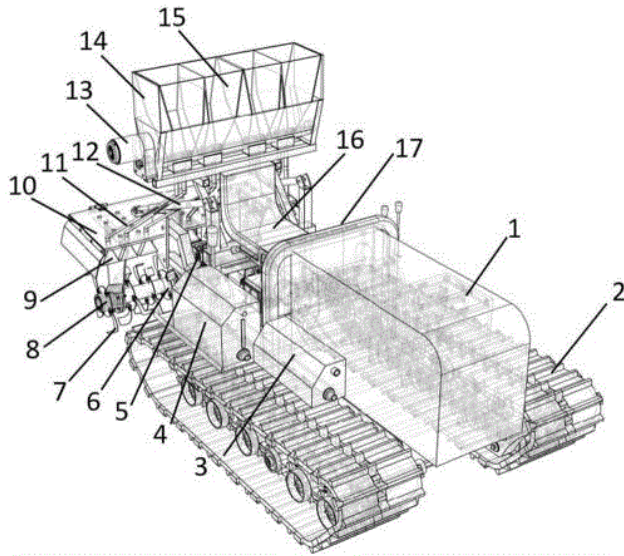
21: 2023/10273. 22: 2023/11/03. 43: 2024/05/09
51: B09C

71: University of Science and Technology Beijing
72: Pingfeng FU, Siqi ZHANG, Wen NI, Yuliang ZHANG, Wei DENG, Jia LI

54: ALL-TERRAIN SURFACE CONTAMINATED SOIL IN-SITU REMEDIATION APPARATUS

00: -

The invention discloses an all-terrain surface contaminated soil in-situ remediation apparatus, comprising a soil-turning stirring system, a power transmission system, an intelligent dosing unit, a power output apparatus, a walking system, an operating room, and a frame. The invention adopts the above-mentioned all-terrain surface contaminated soil in-situ remediation apparatus, the hydraulic push rod controls the lifting of the soil stirring component to ensure that the soil-turning depth is sufficient and adjustable. The intelligent dosing unit realizes the intelligent dosing of solid-state remediation agents, which can realize the remediation of deep soil turning while advancing, and complete the efficient remediation of surface contaminated soil.



21: 2023/10274. 22: 2023/11/03. 43: 2024/05/09
51: E04B

71: Henan University of Urban Construction
72: YOU Peibo, CHEN Yilin, QIU Feng, WANG Xin, ZHAO Lele, YUAN Shuwei, ZHAO Chan, WANG Mingming, DING Bo, MA Yabing, GAO Shiwei, ZHU Yubin, Peng Lanshi, SONG Shuaiqi, WANG Yi, LIU Tianxing, CHENG Meiyang, ZHANG Xiting, TANG Xuepiao, LI Ying

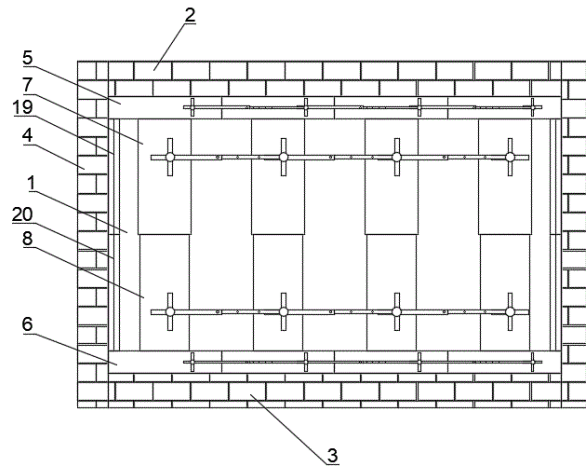
33: CN 31: 2023107242034 32: 2023-06-19

54: REINFORCEMENT STRUCTURE OF REINFORCED CONCRETE SHEAR WALL

00: -

The invention discloses a reinforcement structure of reinforced concrete shear wall, which comprises a shear wall body, a top wall body, a bottom floor and a side wall body; the front end and the back end of the shear wall body are both provided with first reinforcing assemblies, which comprise a plurality of first reinforcing piece, wherein the first reinforcing piece located on both sides of the shear wall body correspond to each other one by one and are connected in a limited way through first connecting pieces, and the first connecting pieces are provided with second connecting pieces; the first reinforcing piece located on the same side of the shear wall body are arranged along the axial direction of the shear wall body, and two adjacent first reinforcing piece are connected in a limited way through the second connecting pieces, and the top wall body and the bottom floor are respectively arranged corresponding to the first reinforcing piece; and a second reinforcing assembly, which is fixedly connected to the first reinforcing piece, and the

shear wall body and the side wall body are respectively arranged corresponding to the second reinforcing assembly. The invention has simple structure and convenient installation, improves the overall construction efficiency, ensures the shear stress bearing capacity of the shear wall, and reduces the probability that the shear wall is damaged by stress.



21: 2023/10275. 22: 2023/11/03. 43: 2024/05/09
51: C09K

71: Southwest Forestry University
72: Cheng Cheng, Xiaokun Zheng, Tinghe Li, Kai Yang, Xi Ma

54: A BIOMASS CARBON ENVIRONMENT-FRIENDLY SLOW-RELEASE ANTI-FREEZING MATERIAL AND A PREPARATION METHOD THEREOF

00: -

The invention discloses a biomass carbon environment-friendly slow-release anti-freezing material and a preparation method thereof, which relates to the technical field of preparation of environmental protection snow melting agent. The preparation method of the slow-release anti-freezing material comprises: S1: Preparation of a biomass carbon carrier; S2: Preparation of organic saline carrier; S3: Preparation of surface modifier slow-release solution; S4: Preparation of environmentally friendly slow-release biomass carbon salt storage filler for asphalt pavement; The method of the invention uses a large amount of biochar in the preparation process, the price is relatively low, the cost is reduced, and it is a renewable resource, and can realize the "synergistic" effect of anti-freezing

and anti-sliding, which is conducive to "carbon fixation" in "carbon neutrality" and realize green sustainable development.

21: 2023/10276. 22: 2023/11/03. 43: 2024/05/09
51: E04B

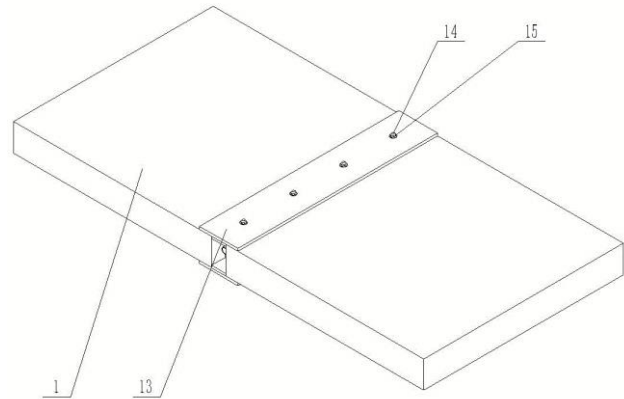
71: Henan University of Urban Construction
72: YOU Peibo, CHEN Yilin, QIU Feng, ZHAO Mingbo, ZHOU Yifan, GUO Peng, PENG Lansi, ZHANG Sihan, Li Sida, LIU Wan, WANG Mingming, DING Bo, LI Peng, SONG Shuaiqi, WANG Yi, LIU Tianxing, CHENG Meiyong, ZHANG Xiting, TANG Xuepiao, LI Ying

33: CN 31: 202310714693X 32: 2023-06-16

54: STEEL TUBE BUNDLE COMPOSITE SHEAR WALL

00: -

A steel tube bundle composite shear wall comprises a prefabricated wallboard, wherein two ends of the prefabricated wallboard are respectively provided with a splicing A end and a splicing B end, and the splicing A end is connected with the splicing B end of another adjacent prefabricated wallboard; a guide connection assembly, which comprises a first guide part arranged at the splicing A end and a second guide part arranged at the splicing B end, wherein the first guide part comprises a pouring pipe used for stably splicing the A end; the pouring pipe is communicated with the splicing A end, the second guide part comprises a connecting groove with positioning function relative to the pouring pipe, the pouring pipe is communicated with the connecting groove, and a connecting piece is arranged between the first guide part and the second guide part; the prefabricated wallboard is respectively provided with a prefabricated part and a back masonry part, wherein the prefabricated part is used for stably splicing the B end and positioning the A end, and the back masonry part is used for stably splicing the A end. The invention can improve the construction efficiency of shear wall connection and enhance the bending shear strength at the connection position of shear wall.



21: 2023/10307. 22: 2023/11/06. 43: 2024/05/10
51: G01M

71: CHINA MERCHANTS CHONGQING COMMUNICATIONS TECHNOLOGY RESEARCH & DESIGN INSTITUTE CO., LTD., CHONGQING UNIVERSITY

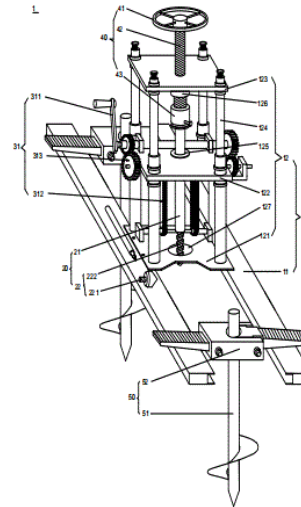
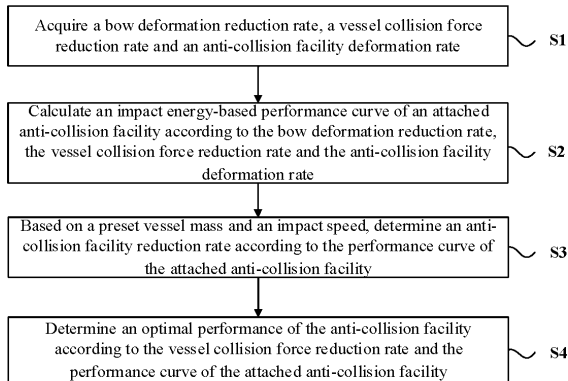
72: YUAN, Pei, ZHENG, Zhi, ZHANG, Yankun, YUE, Rui, FENG Xia

33: CN 31: 202211514077.1 32: 2022-11-29

54: METHOD FOR RAPIDLY DETERMINING PROTECTIVE PERFORMANCES OF BRIDGE PIER ATTACHED ANTI-COLLISION DEVICE

00: -

The present disclosure provides a method for rapidly determining protective performances of a bridge pier attached anti-collision device, in which an anti-collision facility deformation rate and a bow deformation rate as indicators are introduced on the basis of the vessel collision force reduction rate. For the anti-collision facility of any bridge, the energy-based performance curve of an attached anti-collision facility is established Through the performance curve of the attached anti-collision facility, the performance of the protective facility can be quickly determined after collision. At the same time, when the energy-reduction rate curve and the energy-deformation rate curve intersect, the impact energy corresponding to the intersection point is the protection energy for the anti-collision facility to exert its optimal performance. At this time, the anti-collision facility can not only effectively reduce the impact force, but also effectively control its own damage, so that no repair or only minor repair is needed. Finally, through the damage situation and the protective performance of the anti-collision facility, the post-collision damage state of the bridge pier can be quickly evaluated.



21: 2023/10310. 22: 2023/11/06. 43: 2024/05/10
51: G01N

71: Institute of Hydrogeology and Environmental Geology, Chinese Academy of Geological Sciences, Langfang Center for General Survey of Natural Resources, CGS

72: CHEN, Hongyun, LI, Xiangqian, LIU, Junjian, LI, Jiannan, LI, Hengfei, LI, Dalu

54: DRILLING AND SAMPLING DEVICE FOR SOIL

00: -

Disclosed in the present invention is a drilling and sampling device for soil. The device includes a machine frame, a drilling assembly, a first driving mechanism and a second driving mechanism, where the drilling assembly includes a drill bit component, a sampling component and a drill rod movably arranged on the machine frame, and a lower end of the drill rod can be detachably connected to the drill bit component or the sampling component. The first driving mechanism can drive the drilling assembly to vertically translate relative to the machine frame, and the second driving mechanism can drive the drilling assembly to rotate around an axis of the drilling assembly and to vertically translate relative to the machine frame, such that the device can be applied to drilling and sampling of soil layers with different properties, and the applicability is improved.

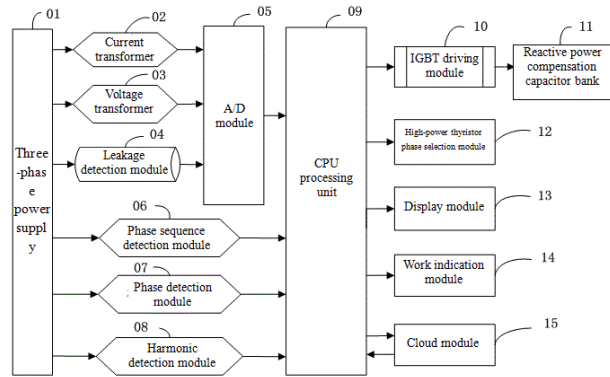
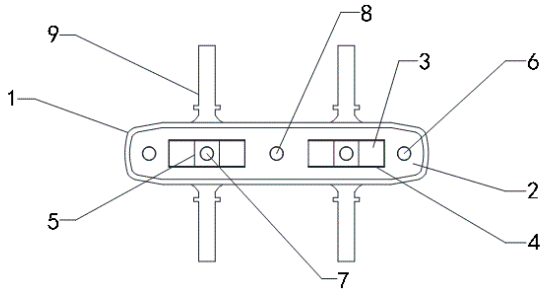
21: 2023/10311. 22: 2023/11/06. 43: 2024/05/10
51: A61B

71: Hebei University of Science & Technology
72: Linlin ZHANG, Mengyan QIN, Zhiying QIN, Guang YANG

54: A POROUS LATTICE STRUCTURE TITANIUM ALLOY BONE PLATE

00: -

The present invention discloses a porous lattice structure titanium alloy bone plate, which relates to the technical field of bone plate, including a main frame, wherein the main frame internal fixation is connected with the main body of the bone plate, there are two first connecting holes on the left and right sides of the main body of the bone plate, there are two sets of rectangular through slots symmetrically on the main body of the bone plate, two sets of slides are fixedly arranged on the inside of the two sets of rectangular through slots, the two sets of slides are parallel and relatively arranged along the long side direction of the rectangular through slots, the slides between the two sets of slides are embedded with sliders, a second connecting hole is opened in the center of the slider, and the external symmetry of the main frame is set to have at least four fixed claw embracing arms. The present invention adopts a porous lattice structure titanium alloy bone plate of the above structure, which can reduce the overall weight of the bone plate, make the overall structure more lightweight, and can adjust the screw fixation position according to the different conditions of the affected area to achieve the best bone grafting effect.



21: 2023/10312. 22: 2023/11/06. 43: 2024/05/10
51: G05F

71: Yili Vocational And Technical College
72: YAO Wei, LIU Yanyan, YU Zhenjiang, WEN Haoxing

54: DISTRIBUTION TRANSFORMER EFFICIENCY MONITORING AND NEUTRAL LINE CURRENT CONTROL DEVICE AND ITS USE METHOD

00: -
The invention discloses a distribution transformer efficiency monitoring and neutral line current control device and its use method, comprising a three-phase power supply, a current transformer, a voltage transformer, a leakage detection module, an A/D module, a phase sequence detection module, a phase detection module, a harmonic detection module, a CPU processing unit, an IGBT driving module, a reactive power compensation capacitor bank, a high-power thyristor phase selection module, a display module, a work indication module, and a cloud module. According to the invention, a distribution transformer efficiency monitoring and neutral line current control device and its use method are adopted, and based on the mathematical modeling and experimental analysis for maximizing the efficiency of the distribution transformer, not only a whole set of algorithm theory is put forward, but also a control strategy for improving the efficiency of the distribution transformer is given. Mathematical analysis models are established for iron loss, copper loss and other factors that affect the efficiency of distribution transformer, and finally the criterion of maximizing the efficiency of distribution transformer is obtained.

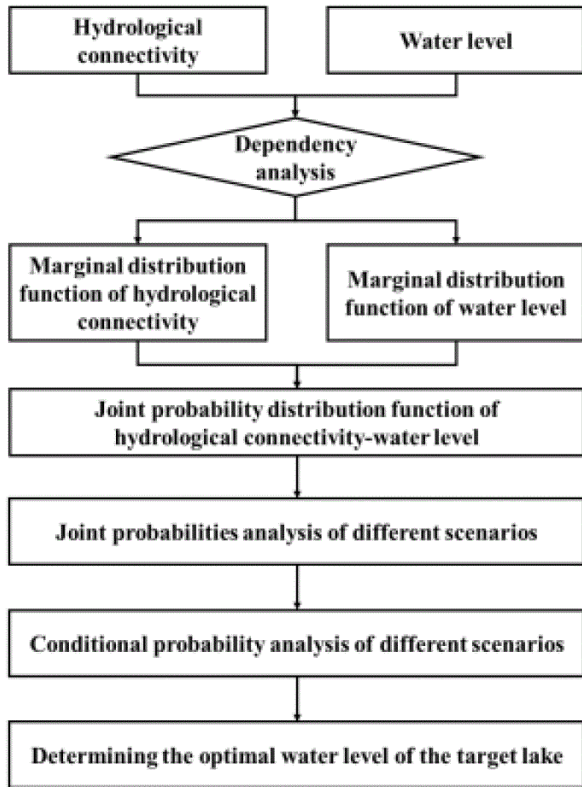
21: 2023/10313. 22: 2023/11/06. 43: 2024/05/10
51: G06F

71: Beijing Normal University
72: Wang Xuan, Cai Jianying, Liu Dan, Wei Chenxi, Li Chunhui, Liu Qiang, Cai Yanpeng
33: CN 31: 202310150358.1 32: 2023-02-22

54: A METHOD FOR DETERMINING THE OPTIMAL WATER LEVEL OF LAKESWITH CONSIDERING THE COEXISTENCE RELATIONSHIPS BETWEEN WATER LEVEL AND HYDROLOGICAL CONNECTIVITY

00: -
This invention pertains to the field of water resource planning and management, specifically involving a method for determining the optimal water level of lakeswith considering the coexistence relationships between water level and hydrological connectivity. The method includes the following steps: perform geostatistical connectivity function analysis on the remote sensing images to obtain hydrological connectivity data for the target lake; obtain water level data for the target lake from the official website of the Ministry of Water Resources; calculate the correlation coefficient between hydrological connectivity and water level to discriminate the relationships between hydrological connectivity and water level data sequences; construct marginal distribution functions for both hydrological connectivity and water level indicators separately; utilize Copula function to derive the joint probability distribution function of these two indicators; set up different ecological water replenishment scenarios with respect to hydrological connectivity and water level of the target lake in combination with the requirements for water replenishment management and ecological restoration goals; utilize joint probability and conditional probability analysis to determine the optimal water level for maintaining

good hydrological connectivity of the lake. This invention takes into account the coexistence relationships between water level and hydrological connectivity as well as the uncertainty brought by the water replenishment management, thereby providing a quantitative basis for water replenishment management of lakes.



21: 2023/10314. 22: 2023/11/06. 43: 2024/05/10
 51: H01B
 71: Anhui Jinglong New Material Co., Ltd.
 72: LIU, Yongjun

54: ENVIRONMENTAL METHOD FOR MANUFACTURING ALUMINIUM ELECTROMAGNETIC WIRE

00: -
 Disclosed is an environmental method for manufacturing an aluminium electromagnetic wire. Beneficial effects are as follows. In the present invention, the shut-down and transfer time of the aluminium electromagnetic wire in the working process is effectively reduced on the premise of ensuring the production quality of the aluminium electromagnetic wire, ensuring the continuity of the production process of the aluminium electromagnetic wire, thereby greatly improving the manufacturing

efficiency of the aluminium electromagnetic wire. The present invention uses environmental insulating paint which does not contain benzene-based toxic and harmful solvents to paint the aluminium electromagnetic wire. Water can be directly used to dilute the paint during paint spraying, thereby reducing the cost of using the insulating paint and thus reducing the production cost of the aluminium electromagnetic wire. The safety of the aluminium electromagnetic wire during paint spraying can be effectively improved and injury to workers can be avoided.

21: 2023/10317. 22: 2023/11/06. 43: 2024/05/16
 51: A01G; A61K
 71: PANG, Zhijie
 72: PANG, Zhijie

54: EXOCARPIUM CITRI RUBRUM BEVERAGE FOR PREVENTING COUGH DUE TO WIND-COLD AND PREPARATION METHOD THEREOF

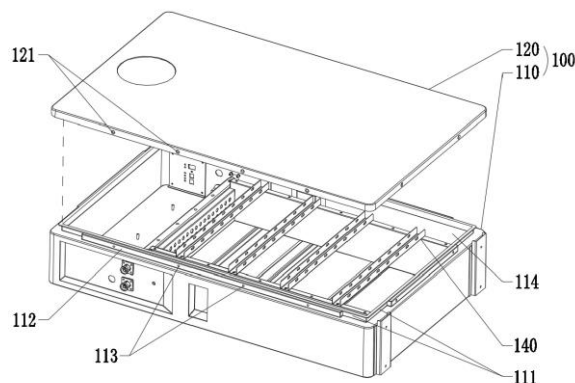
00: -
 The present invention discloses an exocarpium citri rubrum beverage for effectively preventing cough due to wind-cold and a preparation method thereof, relates to the technical field of beverages. The exocarpium citri rubrum beverage for effectively preventing cough due to wind-cold comprises: exocarpium citri rubrum, benzoic acid and sodium citrate. The present invention can effectively nourish the respiratory system, and has remarkable effects of expelling phlegm and relieving cough.

21: 2023/10326. 22: 2023/11/06. 43: 2024/05/10
 51: B60J
 71: JIANGSU SANJO INTELLIGENT TECHNOLOGY CO., LTD.

72: XIAO, Heping, HU, Qingqing
 33: CN 31: 2023104565467 32: 2023-04-26
54: AIR INTAKE STRUCTURE FOR VEHICLE SUNROOF AND RECREATIONAL VEHICLE (RV) WITH SUNROOF

00: -
 The present disclosure belongs to the technical field of vehicle sunroofs, and particularly relates to an air intake structure for a vehicle sunroof. The air intake structure for a vehicle sunroof includes a base, an outer cover, and a grille shutter, where a front end of the base is hinged with a front end of the outer cover; a ventilation duct is formed in the base in a penetrating manner; the grille shutter is provided

below a rear end of the outer cover; the grille shutter is detachably connected to the outer cover; the grille shutter is located outside an air intake of the ventilation duct; when the outer cover cooperates with the base to cover the air intake, an avoidance gap is formed between the grille shutter and the base; and when the outer cover rotates away from the base to open the air intake, the outer cover drives the grille shutter to move close to the base, the avoidance gap becomes smaller gradually, and an external airflow sequentially passes through the grille shutter, the air intake and the ventilation duct to enter a carriage. The grille shutter of the air intake structure is detachably connected to the outer cover, and thus is installed and detached conveniently. The grille shutter can be taken down conveniently for maintenance such as cleaning. Therefore, the present disclosure has a simple and skillful structural design, and a low cost.



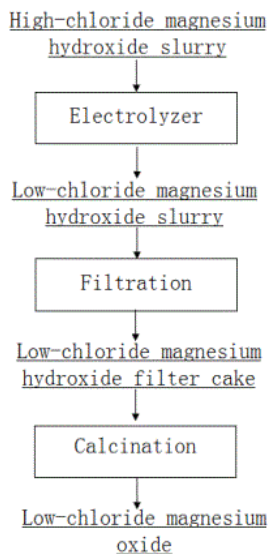
21: 2023/10347. 22: 2023/11/07. 43: 2024/05/10
 51: C01F
 71: Central South University
 72: Weiping LIU, Junfeng CHENG, Shangyong LIN, Wei SUN
 33: CN 31: 2023101300036 32: 2023-02-17
54: A PREPARATION METHOD OF LOW-CHLORIDE MAGNESIUM OXIDE
 00: -

The invention relates to a preparation method of low-chloride magnesium oxide, in this process, the high-chloride magnesium hydroxide slurry is added to the electrolyzer, the anolyte is added to the anode chamber, the cathode liquor is added to the cathode chamber, the enhancer is added to high-chloride magnesium hydroxide. The pulsed power supply is used to apply the electric field between the cathode and anode to remove chloride. The chloride ion containing negative charge under the action of the electric field move to the anode chamber by electromigration, at the same time chloride are transferred to the cathode chamber by electro dialysis in the form of chlorinate or other soluble ions. The chloride ions in the high-chloride magnesium hydroxide slurry is decreased eventually. The magnesium hydroxide after dechlorination is filtered and calcined to obtain low-chloride magnesium oxide. The beneficial effects of the invention is to avoid high energy consuming process such as ball mill and calcination in the traditional dechlorination process of magnesium hydroxide, which can reduce the harm of chloride ions to equipment, chloride ions in magnesium hydroxide are removed only by electromigration and electro dialysis to obtain low-chloride magnesium oxide in a green and efficient way.

21: 2023/10346. 22: 2023/11/07. 43: 2024/05/10
 51: H05K
 71: SRNE SOLAR CO., LTD
 72: LI, Ke, CHEN, Yong
 33: CN 31: 202223550796.7 32: 2022-12-29
54: CASE BODY OF ENERGY STORAGE CASE AND ENERGY STORAGE CASE
 00: -

The present application relates to the field of solar power generation, in particular to a case body of an energy storage case and an energy storage case. The case body includes a housing body and a cover plate. An edge of the housing body is provided with an installation groove and a plurality of installation rods, the installation rods are mounted in the installation groove, and a plurality of first installation holes are provided on the installation rods. An edge of the cover plate is provided with a plurality of second installation holes, and the second installation holes are arranged corresponding to the first installation holes. The cover plate and the housing body are connected through fasteners passing through into the second installation holes and the first installation holes. By arranging a reinforcing structure composed of an installation groove and an installation rod on the edge of the housing body.

A PREPARATION METHOD OF LOW-CHLORIDE MAGNESIUM OXIDE

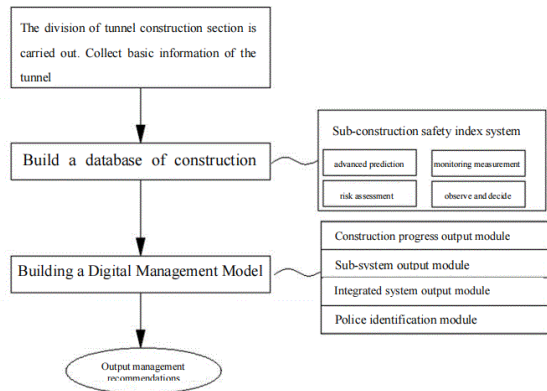


21: 2023/10348. 22: 2023/11/07. 43: 2024/05/10
 51: C22C
 71: Shenzhen Polytechnic University, Guangdong Exquisite Special Profile Co., Ltd, South China University of Technology
 72: Cao Genghua, Xiang Shengqian, Zhang Datong, Meng Fansheng
 33: CN 31: 2023113323791 32: 2023-10-16
54: A PROCESSING AND PREPARATION METHOD FOR HIGH-STRENGTH 7000 SERIES ALUMINUM ALLOY PROFILES
 00: -

This invention provides a processing and preparation method for high-strength 7000 series aluminum alloy profiles, comprising the following steps: S1. Material preparation: Prepare raw materials, in weight percentage, including the following components: Zn: 7.5-7.65%, Mg: 1.5-1.7%, Cu: 0.16-0.2%, Zr: 0.17-0.2%, Fe: 0.04-0.06%, Si: 0.01-0.05%, with the remainder being Al; prepare intermediate alloys Al-50Mg, Al-50Cu, Al-10Zr, and refiner Al-5Ti-1B; S2. Alloy melting; S3. Alloy casting and homogenization treatment; S4. Hot extrusion forming; S5. Artificial aging: artificial aging is conducted after solution treatment. This invention achieves a novel high-strength 7000 series aluminum alloy with a uniform structure and excellent mechanical properties through alloy composition regulation and two-step aging treatment.

21: 2023/10349. 22: 2023/11/07. 43: 2024/05/10
 51: G06Q
 71: China Railway Development Investment Group Co., Ltd., Guizhou Transportation Planning Survey & Design Academe Co., Ltd.
 72: Yuliang FAN, Lindong MA, Guodong LI, Xiangdong XU, Changlong LI, Xingyu MOU, Cheng LI, Hongwei DING, Guangmao LI, Ran ZHAO, Tongxu JI, Jianfeng ZHANG, Zhenyu ZHAO
 33: CN 31: 2023101281406 32: 2023-02-17
54: TUNNEL CONSTRUCTION SAFETY RISK WARNING AND DIGITAL MANAGEMENT METHOD THROUGH KARST CAVE SECTION
 00: -

The invention discloses a tunnel construction safety risk early warning and digital management method through the karst cave section, including dividing the tunnel construction section, collecting the basic information of the tunnel, constructing the construction safety index database, and constructing the digital management model, calling the data in the construction safety index database, and outputting management suggestions. The invention can well coordinate and manage the safety risk of tunnel construction through karst cave section, and dynamically evaluate and warn the risk change, so that the relevant construction personnel can control the danger trend in the first time and control it in time, so as to ensure the life safety and construction cost of the construction personnel, and has good economic practicability and promotion prospect.

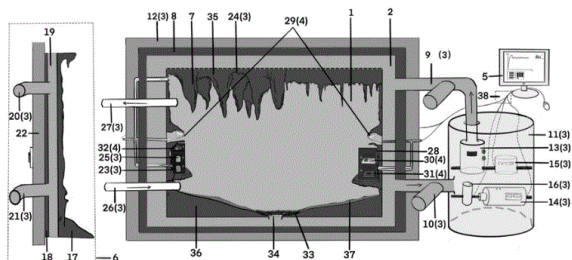


21: 2023/10350. 22: 2023/11/07. 43: 2024/05/16
 51: G01D
 71: Jishou University
 72: TANG, Wenxi, WU, Peiqi, LI, Linbei, XIANG, Haiyang, CHENG, Xiaojie, YIN, Zihan, CHEN, MEIRU, LIU, Zhixiao

54: APPARATUS FOR SIMULATING CAVE ENVIRONMENT AND USE METHOD THEREOF

00: -

The present invention discloses an apparatus for simulating a cave environment, and the apparatus mainly includes five parts: an inner cavity of a cave (ICC), a water circulation interlayer (WCI) on cave walls, a set of environmental factor regulation components (EFRC), a set of observing and measuring instrument components (OMIC), and a computer. The present invention is simple in design, convenient in use, and can quickly simulate a variety of cave environments to provide a suitable living environment for bats, cave leeches, millipedes, mycetophilids, and other cave animals, so as to meet the needs of artificial cultivation of small terrestrial cave animals and its experimental research in multidisciplinary fields such as ecology, behavioristics, evolutionary biology, and conservation biology.



21: 2023/10366. 22: 2023/11/07. 43: 2024/05/10
51: H02K

71: West Anhui University

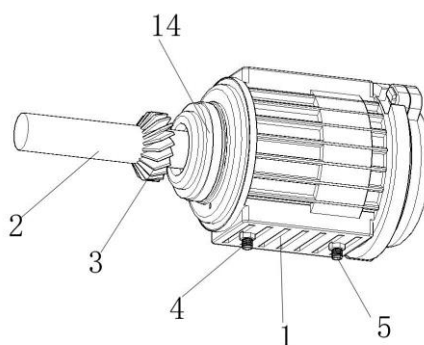
72: Chengling Lu, Lei Zhang, Gang Zhang,
Chengtao Du, Jie Fang

54: A STRUCTURE OF A BEARINGLESS INDUCTION MOTOR AND A MANUFACTURING METHOD THEREOF

00: -

The invention discloses a structure of a bearingless induction motor and a manufacturing method thereof. The invention relates to the technical field of motor, including a motor body, which comprises a rotor, a sealing sleeve, a filter plate and a clip. The motor body is provided with a stator, and the stator is provided with a rotor, and one end bearing of the rotor is equipped with a fan blade. A second mounting cover is arranged at one end of the main body of the motor, and the rotor can drive the

rotating shaft of the end to rotate when rotating. The rotating shaft can then drive the fan blade to rotate, and when the fan blade rotates, the air can be blown into the main body of the motor through the holes on the surface of the mounting cover. The interior of the motor is cooled, while the cold water flows into the water inlet and absorbs the heat inside the water tank through the spiral circulating water channel. After the heat is absorbed, it flows out from the water outlet to achieve the effect of rapid cooling. The ultimate tensile strength, yield strength and elongation of the motor shell have been improved, and its corrosion resistance is strong.



21: 2023/10368. 22: 2023/11/07. 43: 2024/05/10

51: A61K; C07D; A61P

71: JUMBO DRUG BANK CO., LTD.

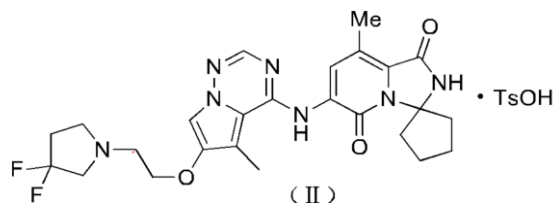
72: WU, Lingyun, WEI, Xiawei, YOU, Xu, XU,
Xiongbiao, JIANG, Ning, CHEN, Shuhui

33: CN 31: 202110501179.9 32: 2021-05-08

54: SALT FORM OF PYRROLOTRIAZINE COMPOUND, CRYSTAL FORM THEREOF, AND PREPARATION METHOD THEREFOR

00: -

The present invention relates to a salt form of a pyrrolotriazine compound, a crystal form thereof, a preparation method thereof, and an application thereof, and in particular to an application in preparation of MNK1/2 inhibitor drugs and/or in preparation of drugs for treating colorectal cancer.



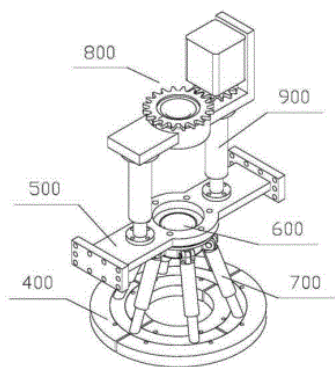
21: 2023/10384. 22: 2023/11/08. 43: 2024/05/10
51: A01B

71: Henan University of Urban Construction
72: ZHAO, Yuxia, LI, Yonglei, WANG, Xiaoyu, WANG, Songwei, XI, Zhihao, YANG, Shunli, WANG, Zili, LI, Hao

54: HYDRAULIC PRESSING MECHANISM

00: -

Disclosed is a hydraulic pressing mechanism. The mechanism includes a pressing seat. The pressing seat presses against a soft soil foundation or a reinforcement cage and is connected to a rack; the rack is provided with a first pneumatic tightening unit and connected to a second pneumatic tightening unit; the first pneumatic tightening unit includes an assembly sleeve, and a first annular airbag is connected in the assembly sleeve; the second pneumatic tightening unit includes a movable seat, a mounting sleeve is provided on the movable seat, a rotating sleeve is connected in the mounting sleeve, a second annular airbag is provided on the rotating sleeve, and a second gas connector is provided on the second annular airbag; and the rack, the pressing seat, the first pneumatic tightening unit and the second pneumatic tightening unit are provided with protective covers.



21: 2023/10385. 22: 2023/11/08. 43: 2024/05/10
51: C08C
71: Nagaland University

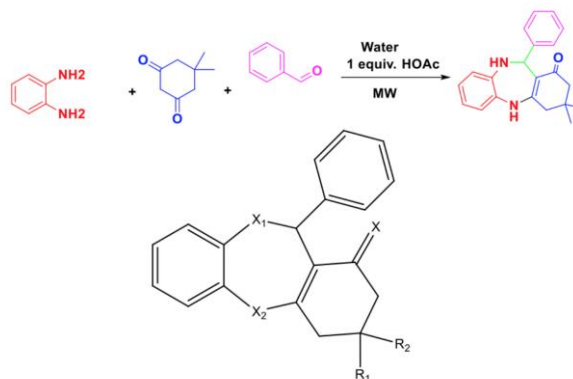
72: Dr. Amrish Singh (Nagaland University), Mrs. Shivani Singh (Lovely Professional University), Dr. Yuanhua Lin (Southwest Petroleum University), Kashif Rahmani Ansari (Southwest Petroleum University)

33: IN 31: 202331075763 32: 2023-11-06

54: NOVEL DIBENZODIAZEPINONE COMPOUNDS FOR CORROSION CONTROL AND PROCESS THEREOFF

00: -

The present invention is a anti corrosion compounds comprising environment-friendly corrosion inhibitor for carbon steels hexahydro-1H-dibenzo(b,e)[1,4]diazepin-1-one where X= S,O, N, X1= S,O, N, X2= S,O,N, R1=R2= H, F, Cl, Br, I, methyl, ethyl, benzyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl alone or combination thereof as corrosion inhibitor along with solvents and preservatives. The paint or spray prepared using said process is more economic, environment friendly and sustainable. The said technology can be used on any metal as chosen from aluminium, copper, iron, brass, steel in pure or mixed form.



21: 2023/10386. 22: 2023/11/08. 43: 2024/05/10
51: A01G

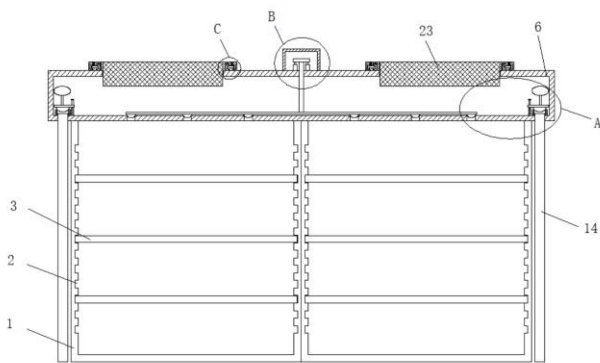
71: GUILIN UNIVERSITY OF TECHNOLOGY
72: FANG, Rongjie, QIN, Zhanbo, YU, Hui, ZHANG, Shuaipu, CHEN, Junhong

54: SOIL AND WATER LOSS GOVERNANCE CONTROL DEVICE FOR SMALL WATERSHEDS IN KARST REGIONS

00: -

The present invention belongs to the technical field of soil and water loss governance control, in particular to a soil and water loss governance control device for small watersheds in karst regions. The following solution is proposed, which comprises two bracket frames which are arranged side by side;

inner walls of both sides of the bracket frames are provided with notches; a plurality of segmentation mechanisms are arranged in the two bracket frames; the tops of the bracket frames are provided with rectangular boxes; a plurality of water resource utilization holes are arranged at the bottom of each rectangular box. A plurality of segmentation plates arranged in the present invention can be used separately; green plants can be planted at segmentation intervals to realize green slope protection; rainwater can be collected and can flow out through the water resource utilization holes for watering, to improve the utilization of water resources.



21: 2023/10387. 22: 2023/11/08. 43: 2024/05/10
 51: G01S
 71: Henan University of Urban Construction
 72: SUN, Yafei, DING, Leixiang, ZHANG, Juanjuan, ZHU, Jiayin, WANG, Long, YANG, Kai
54: METHOD FOR DETERMINING SCOPE OF FLOOD DISASTER USING SENTINEL-1/2 ACTIVE AND PASSIVE SATELLITE IMAGES

00: -
 The present invention belongs to the technical field of determining a scope of a flood disaster and discloses a method for determining a scope of a flood disaster using Sentinel-1/2 active and passive satellite images, specifically including the following steps: S1) screening a Sentinel-1 active satellite data set and a Sentinel-2 passive satellite data set; S2) preprocessing Sentinel-1 image data and Sentinel-2 image data; S3) determining the scope of the flood disaster using an active satellite Sentinel-1; S4) determining the scope of the flood disaster using a passive satellite Sentinel-2; S5) determining the scope of the flood disaster based on fusion of active/passive satellite images; and S6) determining

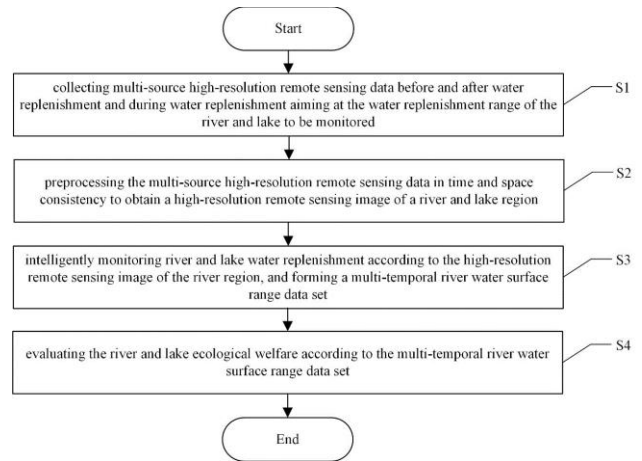
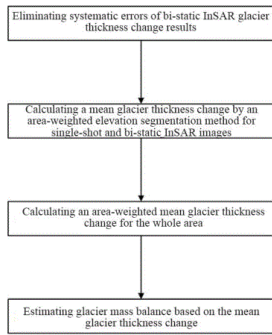
the scope of the flood disaster based on results of S3) to S5). The present invention may accurately determine the scope of the flood disaster and provide scientific support and decision basis for flood control and disaster relief.



21: 2023/10388. 22: 2023/11/08. 43: 2024/05/10
 51: G01V

71: Henan University of Urban Construction
 72: SUN, Yafei, ZHANG, Juanjuan, ZHANG, Zhimin, ZHU, Jiayin, WANG, Long, YANG, Kai
54: METHOD FOR ESTIMATING GLACIER MASS BALANCE BASED ON BI-STATIC INSAR GLACIER THICKNESS CHANGE RESULTS

00: -
 The present invention discloses a method for estimating glacier mass balance based on bi-static InSAR glacier thickness change results in the technical field of bi-static InSAR glacier mass balance estimation. A method for inverting a surface temperature of a glacier using a Landsat image includes the following steps: S1, eliminating systematic errors of bi-static InSAR glacier thickness change results; S2, calculating a mean glacier thickness change by an area-weighted elevation segmentation method for single-shot and bi-static InSAR images; S3, calculating an area-weighted mean glacier thickness change for the whole area; and S4, estimating glacier mass balance based on the mean glacier thickness change. The present invention can accurately obtain large-scale, high-resolution, and high-precision glacier mass balance results.



21: 2023/10391. 22: 2023/11/08. 43: 2024/05/10
51: G01N

71: China Institute of Water Resources and Hydropower Research

72: JIANG Wei, LIU Lingjia, YANG Kun, PANG Zhiguo, LONG Tengfei, ZHANG Pengjie, LUO Gan

54: METHOD FOR RIVER AND LAKE ECOLOGICAL WATER REPLENISHMENT MONITORING AND WELFARE ASSESSMENT BASED ON REMOTE SENSING

00: -

The invention discloses a method for river and lake ecological water replenishment monitoring and welfare assessment based on remote sensing, which utilizes multi-source and high-resolution satellite collaborative observation, adopts a preprocessing process to obtain a high-resolution remote sensing image set of river and lake regions with time and space consistency, further constructs a high-precision training sample point and a depth neural network model to intelligently extract the water surface range of multi-temporal river and lake water replenishment, and puts forward a quantitative evaluation index for river and lake water replenishment welfare. The invention is an intelligent monitoring and evaluation method of river and lake water replenishing welfare with strong applicability, which can be applied to monitoring and evaluation of river and lake water replenishing welfare in different basin scales, and can also be extended to business applications such as strong supervision of rivers and lakes.

21: 2023/10392. 22: 2023/11/08. 43: 2024/05/10
51: E21F

71: Shandong Jianzhu University

72: ZHAO Shengzhong, YU Junhao, XU Lin, XU Tiantian, WANG Fei, LEI Wenjun, GAO Hanxiao, LIU Mengzhen

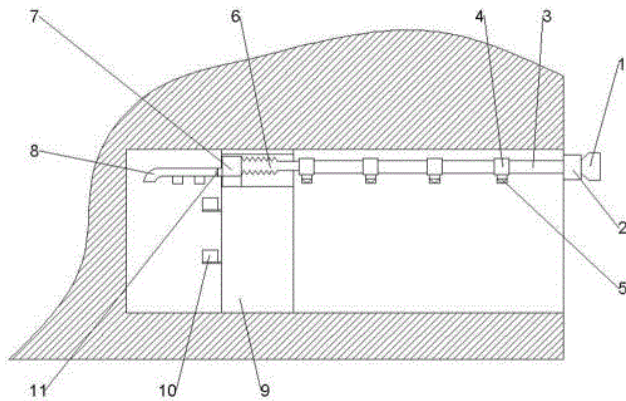
33: CN 31: 2023100955492 32: 2023-02-10

54: VENTILATION AND SMOKE EXHAUST SYSTEM FOR CONSTRUCTION TUNNEL

00: -

The invention relates to the technical field of tunnel construction, in particular to a ventilation and smoke exhaust system for a construction tunnel, which includes a ventilation and smoke exhaust mechanism, where one end of the ventilation and smoke exhaust mechanism is arranged at the opening of the tunnel and is communicated with a first fan, and the other end of the ventilation and smoke exhaust mechanism extends into the tunnel and is communicated with an air supply pipe on a lining trolley; the ventilation and smoke exhaust mechanism comprises a plurality of flexible air inlet pipes connected end to end in sequence, a rigid air inlet pipe is arranged between adjacent flexible air inlet pipes, and a first air valve is arranged on the rigid air inlet pipe; the flexible air inlet pipe at the tail end is communicated with a second fan, the second fan is fixedly installed on the lining trolley, and the air supply pipe is communicated with the second fan, and a second air valve is arranged between the second fan and the air supply pipe. When the invention ventilates the tunnel, the ventilation area is wider, the air supply effect is good and the flexibility is high. In case of sudden fire in the tunnel, the invention can quickly send toxic smoke out of the tunnel, so as to prevent a large amount of smoke

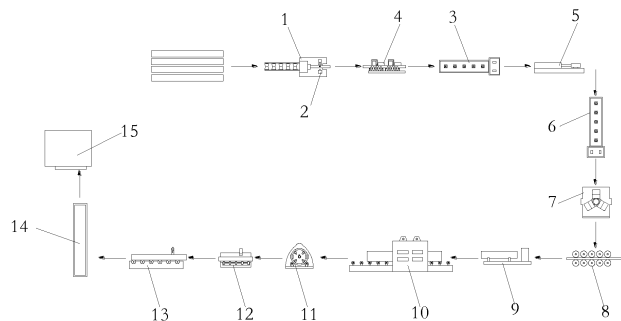
from spreading and settling along the longitudinal direction of the tunnel and threatening the lives of construction workers.



21: 2023/10426. 22: 2023/11/08. 43: 2024/05/13
 51: B21C; B24C; G01N
 71: XINPENGYUAN (LIAOCHENG) INTELLIGENT TECHNOLOGY CO., LTD
 72: GAO, Wanfeng, LI, Wanming, LI, Fengkui, LI, Xiaopeng
 33: CN 31: 202211022967.0 32: 2022-08-25
54: TITANIUM ALLOY HOT-ROLLED SEAMLESS TUBE PRODUCTION SYSTEM AND PRODUCTION PROCESS THEREOF
 00: -

The present invention discloses a titanium alloy hot-rolled seamless tube production system and a production process thereof. The titanium alloy hot-rolled seamless tube production system includes a blanking machine, a tension reducing mill, a straightening machine, a caliper, a shot blasting machine and an in-tube detection mechanism, wherein an industrial camera is disposed above a cutting end of the blanking machine. According to the titanium alloy hot-rolled seamless tube production system and the production process thereof, driving wheels are driven by a motor to rotate such that the driving wheels drive the tubes to rotate at a constant speed, impurities and burrs adhered to inner walls of the tubes are brushed away by cleaning brushes distributed at an equal included angle at one side of the in-tube detection mechanism, complete crack detection can be performed on the inner walls of the rotating tubes by an eddy current detector, the tubes are pushed out by two hydraulic cylinders on the in-tube detection mechanism, and the tubes are sent to an ultrasonic flaw detector through a conveying apparatus such

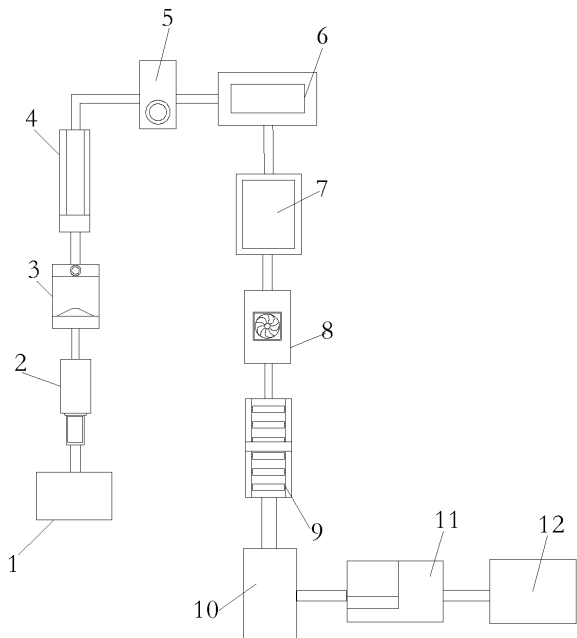
that the ultrasonic flaw detector performs damage detection on outer surfaces of the tube walls, so that the quality detection on the inner and outer walls of the titanium alloy hot-rolled seamless tubes is realized and the safety of the tubes in actual use is ensured.



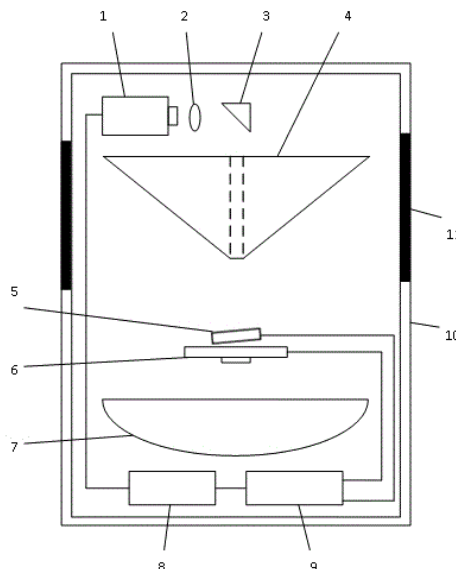
21: 2023/10427. 22: 2023/11/08. 43: 2024/05/13
 51: B08B
 71: XINPENGYUAN (LIAOCHENG) INTELLIGENT TECHNOLOGY CO., LTD
 72: GAO, Hairui, LI, Fengkui, WANG, Jun, WANG, Shengyong, ZHANG, Shibao
 33: CN 31: 202210966200.7 32: 2022-08-12
54: HOT ROLLING PRODUCTION PROCESS FOR LARGE-DIAMETER-EXPANSION ROLLED SEAMLESS TUBE
 00: -

The present invention discloses a hot rolling production process for a large-diameter-expansion rolled seamless tube, a size detection area and a waste box being provided, the hot rolling production process including the following steps: step one, detecting blanks piece of seamless tubes in the size detection area; step two, feeding the blanks of the seamless tubes into a heating furnace for heating; and step three, drilling the blanks of the seamless tubes. According to the hot rolling production process for the large-diameter-expansion rolled seamless tube, the exhaust fan and the motors are started, the exhaust fan sucks waste chips generated by cutting the seamless tubes into the waste box through a cleaning hole on an upper surface of the polishing platform, the motors drive the semi-gears to rotate, the semi-gears mesh with the gear sleeves to drive the gear sleeves to move, the gear sleeves move to drive the cleaning brushes to move through the connecting shafts, and the cleaning brushes rotate through the connecting rods,

and send the waste chips scattered on both sides of the cleaning hole into the cleaning hole, so that the waste chips produced when cutting the seamless tubes can be cleaned conveniently through above-mentioned operations, and are prevented from being accumulated on the polishing platform.



the conical mirror cooperate to deflect the emitted light to realize 360-degree panoramic scanning of the laser radar, which is simple in structure and good in reliability.



21: 2023/10429. 22: 2023/11/09. 43: 2024/05/10
51: G01S

71: RM Intelligent Technology Co., Ltd
72: CHEN Honglin, WANG Zhongshan, CHEN Siyang, ZHAO Quanchao, CAO Jie
33: CN 31: 2022116149241 32: 2022-12-15

54: PANORAMIC LASER RADAR BASED ON MICRO-REFLECTING DEVICE

00: -
The invention discloses a panoramic laser radar based on a micro-reflecting device, which mainly includes a light deflecting unit, where the laser light deflecting unit includes a reflector, a micro-reflecting device and a conical mirror; the micro-reflecting device performs circular scanning around the center, and the emitted light also rotates after being reflected by the micro-reflecting device; the rotated output light forms a circular shape on the surface of the conical mirror to be incident into conical mirror, and then is reflected by the conical mirror to change the direction of light rays, so that light rays form a scanning plane of 360 degrees to emit to a target object. In this way, the micro-reflecting device and

21: 2023/10430. 22: 2023/11/09. 43: 2024/05/10
51: C08G

71: Yunnan Minzu University
72: LI Hongli, YUAN Minglong, YUAN Mingwei, JIANG Lin, JIANG Dengbang

54: PREPARATION METHOD OF POLYCAPROLACTONE POLYOLS USING 1,3,5-CYCLOHEXANETRIOL AS INITIATOR ALCOHOL

00: -
The invention discloses a preparation method of polycaprolactone polyol with 1,3,5-cyclohexanetriol as initiator alcohol, which comprises the following steps: reacting caprolactone monomer and initiator alcohol as raw materials under the action of catalyst and water-carrying agent to obtain polycaprolactone polyol; The water-carrying agent is n-butyl propionate fuel; the catalyst is one of stannous octoate, zinc neodecanoate, zinc 2-ethylhexanoate and zinc oxide, and the initiator alcohol refers to 1,3,5-cyclohexanetriol, and its dosage is adjusted according to the molecular weight of the required product.

21: 2023/10431. 22: 2023/11/09. 43: 2024/05/10
51: A23K

71: Northeast Agricultural University

72: ZHANG, Zhigang, HAN, Biqi, LI, Jiayi, LV, Zhanjun, LI, Siyu, LIU, Yunfeng, YANG, Xu, CAO, Ziling, SONG, Kaiwei, LIU, Dongfang, LI, Miaomiao

54: NATURAL COMPOUND FEED ADDITIVE FOR REMOVING RESIDUAL TOXIC METALS

00: -

The present disclosure discloses a natural compound feed additive for removing residual toxic metals. The feed additive comprises the following components in parts by weight: 1 part of astaxanthin, 1 part of apigenin, 1 part of tea polyphenols, 1 part of resveratrol, 1 part of allicin, 1 part of zeolite, 1 part of sacchariterpenin and 2 parts of starch. The mass ratio of the feed additive to the feed is (1:50) - (1:400). The feed additive can effectively reduce the residual toxic metals (mercury, lead, chromium, nickel, cadmium, arsenic and aluminum) in livestock and poultry, and is featured by contamination-free and pollution-free, so it can be used to protect the hygiene and safety of animal-derived foods.

21: 2023/10432. 22: 2023/11/09. 43: 2024/05/10
51: F02B

71: Nantong University

72: Xuewen ZHANG, Chengyao ZHANG, Peiyong NI, Yunxiao DONG, Ce JI

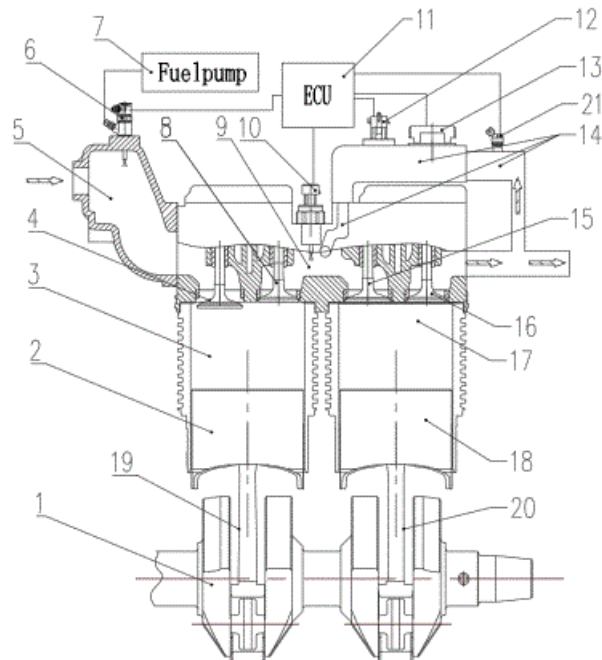
33: CN 31: 2023104504891 32: 2023-04-24

54: A CYLINDER COMBUSTION TYPE INTERNAL COMBUSTION ENGINE AND WORKING METHOD THEREOF

00: -

The invention relates to a split cylinder combustion internal combustion engine and an engine thereof. As a method, the internal combustion engine consists of a pair of working units composed of one mixing cylinder and one working cylinder, and the pressure chamber and the ignition system are arranged in the top middle position between the two cylinders. The front end of the pressure chamber is communicated with the mixing cylinder through the exhaust valve of the mixing cylinder, and the back end of the pressure chamber is communicated with the working cylinder through the intake valve of the working cylinder. Fresh air and fuel form a uniform mixture of gas under the upward push of the mixing cylinder piston, and then push the evenly mixed mixture into the pressure chamber to stabilize the

pressure and ignite the supply cylinder to complete the intake and compression formation. The combustion gas enters the work cylinder and pushes the piston of the work cylinder down to do work and complete the work and exhaust stroke; The invention solves the technical problem that the four-stroke compression combustion engine in the prior art can not achieve average combustion and has high pressure on the fuel injection system when air and fuel are mixed while burning during the combustion process.



21: 2023/10434. 22: 2023/11/09. 43: 2024/05/10
51: A01C; A01G

71: SHANDONG ACADEMY OF AGRICULTURAL SCIENCES, DONGYING YELLOW RIVER DELTA MODERN AGRICULTURE RESEARCH CENTER, SHANDONG AGRICULTURAL UNIVERSITY, NATIONAL CENTER OF TECHNOLOGY INNOVATION FOR COMPREHENSIVE UTILIZATION OF SALINE-ALKALI LAND

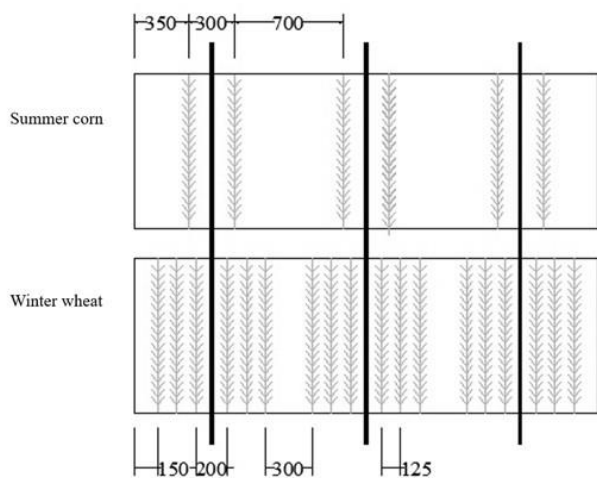
72: MA, Changjian, LI, Bowen, LIU, Zhaohui, LI, Quanqi, SUN, Zeqiang, WANG, Xuejun, LIU, Shenglin, YUAN, Huabin, SONG, Peng, XIAO, Yang

54: DRIP IRRIGATION AND WATER-FERTILIZER INTEGRATED CULTIVATION METHOD FOR WINTER WHEAT-SUMMER CORN ROTATION IN SALINE-ALKALI LAND

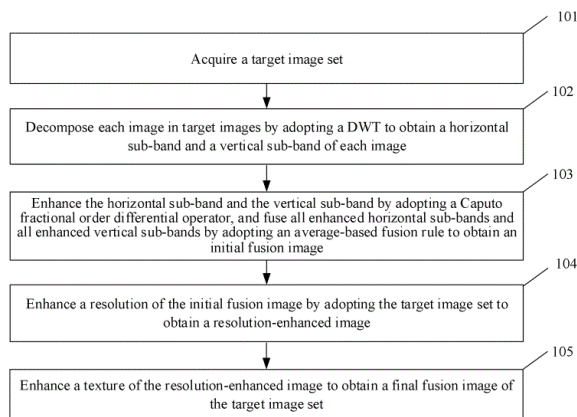
00: -

The present invention relates to a drip irrigation and water-fertilizer integrated cultivation method for

winter wheat-summer corn rotation system in mild saline-alkali land, which includes a solution of wide and narrow row planting mode of a winter wheat-summer corn rotation system and drip irrigation belt arrangement, precision sowing by an integrated machine for the winter wheat-summer corn rotation system and drip irrigation and water-fertilizer integration for the winter wheat-summer corn rotation system. A green cultivation method to achieve water conservation and yield increase through drip irrigation is proposed. On the basis of drip irrigation, the original planting mode of equal spacing is changed. Under the wide and narrow-row planting spacing, the irrigation and laying amount of the drip irrigation belts are reduced, so as to save water and cost. The integration of agricultural machinery and agronomy reduces the labor input and improves the working efficiency.



enhancing the horizontal sub-band and the vertical sub-band by adopting the Caputo fractional order differential operator, and fusing all enhanced horizontal sub-bands and all enhanced vertical sub-bands by adopting an average-based fusion rule; enhancing a resolution of an initial fusion image by adopting the target image set; and enhancing a texture of a resolution-enhanced image to obtain a final fusion image of the target image set. The present invention can improve the resolution of the fusion image.

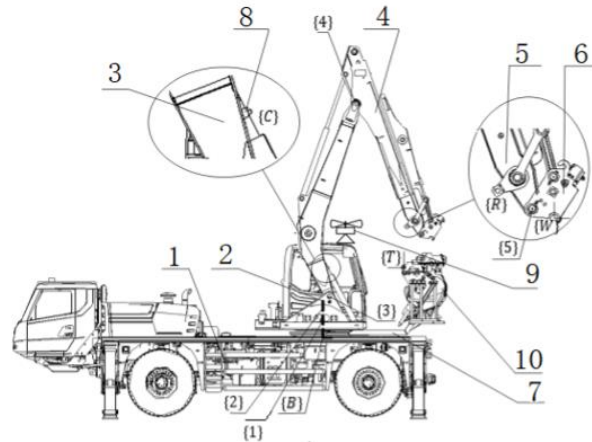
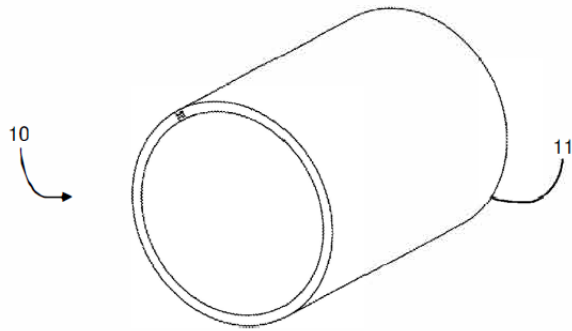


21: 2023/10441. 22: 2023/11/09. 43: 2024/05/10
 51: G06F
 71: SHANGHAI UNIVERSITY OF MEDICINE AND HEALTH SCIENCES
 72: ZHOU, Liang, ZHAO, Wenlong, GUO, Jiachen, NANDAL, Amita, DHAKA, Arvind
54: IMAGE FUSION METHOD BASED ON CAPUTO FRACTIONAL ORDER DIFFERENTIAL OPERATOR

00: -
 The present invention discloses an image fusion method based on a Caputo fractional order differential operator, relating to the field of image processing, and the method includes: decomposing each image in target images by adopting a discrete wavelet transform (DWT) to obtain a horizontal sub-band and a vertical sub-band of each image;

21: 2023/10445. 22: 2023/11/09. 43: 2024/05/13
 51: F16L
 71: S. RATNAM, Sri Skanda Rajah
 72: S. RATNAM, Sri Skanda Rajah
 33: MY 31: PI2021002637 32: 2021-05-11
54: PIPELINE ASSEMBLY AND MANUFACTURING METHOD THEREFOR
 00: -

The present invention relates to a pipeline assembly and a manufacturing method therefore. The pipeline assembly (10, 20, 30, 40) comprises one or more tubular bodies (11, 21, 31, 41, 42) formed of one or more arc-shaped profile members (12, 22, 32, 33, 43, 44). Each arc-shaped profile member (12, 22, 32, 33, 43, 44) includes a tongue (12a, 22a, 32a, 33a) at one first edge and a groove (12b, 22b, 32b, 33b) at another first edge, wherein the first edges are opposite to one another.



21: 2023/10463. 22: 2023/11/09. 43: 2024/05/09
 51: G08G; H01H; H04L
 71: YANSHAN UNIVERSITY
 72: LI, Jun, WANG, Hongbo, NIU, Jianye, ZHOU, Shengxia, YU, Hongfei, LIANG, Xiaotian, WANG, Zehua
 33: CN 31: 202311351591.2 32: 2023-10-18
54: AUTONOMOUS SWITCHING SYSTEM AND SWITCHING METHOD FOR VEHICLE-MOUNTED ACCESSORIES OF MULTI-FUNCTIONAL RESCUE VEHICLES

00: -
 The present invention provides an autonomous switching system and switching method for vehicle-mounted accessories of multi-functional rescue vehicles, comprising a reconnaissance drone, a remote control center, and a rescue vehicle, the reconnaissance drone is used to detect whether the road ahead is blocked by obstacles or collapsed sections, and transmits the detected road conditions to the remote control center; the remote control center is used to send control commands to the rescue vehicle based on the real-time road conditions transmitted by the reconnaissance drone; the rescue vehicle is provided with a plurality of operation accessories, and each operation accessory is labeled with a QR code; the rescue vehicle receives the control instruction from the remote control center and replaces the operation accessories according to the road site conditions to complete the operation, which solves the problem of manual operation for switching the accessories of existing multi-functional rescue vehicles, poses a risk of operator injury and takes a long time, and realizes remote control of the rescue vehicle to automate the switching of vehicle-mounted accessories, saves manpower, and the switching efficiency is high.

21: 2023/10464. 22: 2023/11/10. 43: 2024/05/09
 51: A23L
 71: Qinghai university
 72: Zhang Dejun, Peng Yanfeng, Yang Yongjing, Hu Ke, Zhang Benyin, Zhang Xiaofeng, Zhai Yuqing
 33: CN 31: 2023100494000 32: 2023-02-01
54: AN ANTI-FATIGUE LYCIUM BARBARUM L EFFERVESCENT TABLETS, AND ITS PREPARATION METHOD AND APPLICATION

00: -
 This invention discloses an anti-fatigue Lycium barbarum L. polysaccharide effervescent tablet, its preparation method, and application, involving the field of health food technology. The Lycium barbarum L. polysaccharide effervescent tablet of the present invention comprises the following parts by weight of raw materials: 10-20 parts of Lycium barbarum L. polysaccharide, 15-25 parts of acid foaming agent, 15-25 parts of alkaline foaming agent, 25-50 parts of filler, 1-10 parts of binder, 2-10 parts of lubricant, and 1-5 parts of flavor correction agent. This invention turns Lycium barbarum L. polysaccharide into effervescent tablets, which can to some extent improve the bioavailability of Lycium barbarum L. polysaccharide. Furthermore, the Lycium barbarum L. polysaccharide effervescent tablet has the function of anti-fatigue and can alleviate fatigue caused by long-term work and exercise. In addition, orally taking effervescent tablets is also convenient for carrying, transportation, and storage.

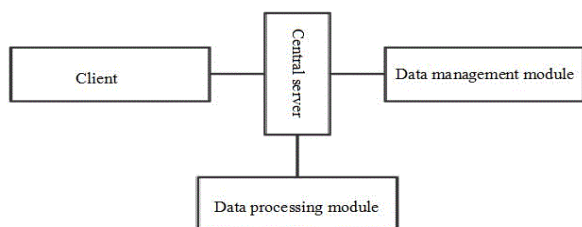
21: 2023/10465. 22: 2023/11/10. 43: 2024/05/09
 51: G09B
 71: Henan University of Urban Construction

72: WANG Li, WANG Wenping, WANG Yan, JING Liya, GUO Yanli, CHEN Dongxia, LUO Mengyang, LI Nan

54: INTELLIGENT ENGLISH TEACHING SYSTEM FOR ENGLISH TEACHING

00: -

The invention discloses an intelligent English teaching system for English teaching, which comprises a client, a data processing module, a data management module and a central server, wherein, the client comprises a teacher-side, a student-side and a communication module; the teacher-side comprises a voice module, an audit scoring module and a video acquisition module; the student-side comprises a test module, a dialogue module and a history courseware reading module; the data processing module is used for analyzing and processing the data collected by the teacher-side and the student-side and transmitting the data to the data management module; the data management module is used for storing data; the client, the data analysis module and the data management module are respectively connected with the central server. The intelligent teaching mode combining in-class and out-of-class is adopted, so that students can review the course contents at any time after class, and can share the teaching contents of other teachers and extracurricular classes, and further process the teaching videos, thus providing convenience for course review.



21: 2023/10466. 22: 2023/11/10. 43: 2024/05/09
51: B65D

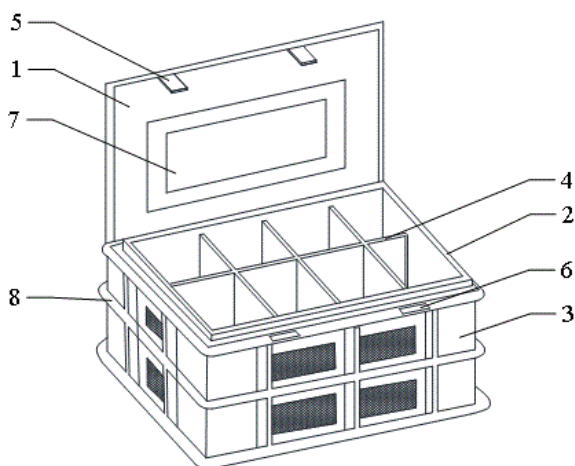
71: Rural Investigation Institute of Shanxi Agricultural University, Shanxi Donghui Modern Agricultural Development Group Co., Ltd., Lvliang Changqing Agriculture and Animal Husbandry Technology Co., Ltd.

72: Feng LIU, Yingchao MENG, Xiaoyu ZHANG, Yan HE, Miao ZHANG

54: A FRUIT AND VEGETABLE FRESH-KEEPING SPONTANEOUS CONTROLLED ATMOSPHERE STORAGE DEVICE

00: -

The present invention discloses a fruit and vegetable fresh-keeping modified atmosphere storage device, comprising a box and a tank cover, wherein the tank cover is set above the box, the box includes an inner box and an outer box, where the inner box is set inside the outer box, and the inner box is provided with a partition plate for separating fruits and vegetables, the lower part of the partition plate is provided with a support plate for supporting fruits and vegetables, and the support plate is set at the bottom of the inner box. The present invention adopts the fruit and vegetable fresh-keeping modified atmosphere storage device with the above structure, which can solve the problems of poor protection function and poor applicability of the existing fruit and vegetable fresh-keeping modified atmosphere storage device.



21: 2023/10467. 22: 2023/11/10. 43: 2024/05/09
51: C09K

71: Northwest Institute of Eco-Environment and Resources, Chinese Academy of Sciences

72: Junfeng Wang

54: A BLACK AND ODOROUS WATER BOTTOM MUD REPAIRING AGENT AND AN APPLICATION METHOD THEREOF

00: -

The invention belongs to the technical field of polluted black and odorous water bottom mud repair, in particular relates to a black and odorous water bottom mud repairing agent and its application method. In the present invention, the alkaline aqueous solution is first mixed with the black and smelly water bottom mud, and then left to react for 1-3 hours, and then mixed with the acidic potassium

permanganate and ferric sulfate mixed aqueous solution, stirred again, and left to react for 1-3 hours. The alkaline repairing agent decomposes the macromolecules soluble sugars, soluble proteins and TVFA into small molecules, and then the acid potassium permanganate and iron sulfate repairing agent oxidizes and decomposes the small molecules into carbon dioxide and water. At the same time, the two kinds of repairing agents cooperate to produce iron hydroxide colloids to further adsorb and precipitate the sediment pollutants, and strengthen the remediation effect of contaminated sediment. The invention realizes effective degradation of organic matter which is difficult to decompose in the bottom mud of black and smelly water body. At the same time, it can cooperate with the generated flocculant to enhance the repair effect of contaminated sediment. This rapidly increases the REDOX potential of the bottom mud, improves the anaerobic environment of the bottom mud, and solves the problem of mud-water separation after the bottom mud repair, which can quickly eliminate the problem of black and smelly water pollution.

21: 2023/10470. 22: 2023/11/10. 43: 2024/05/09
51: C12N

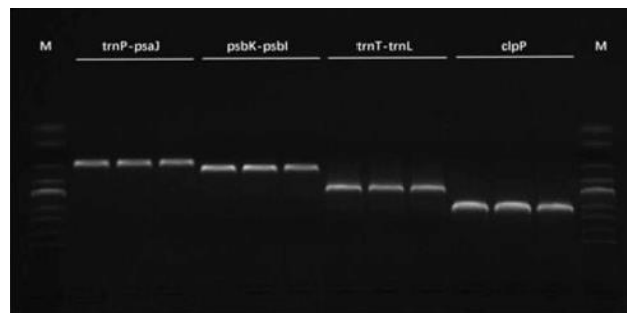
71: YUNNAN BRANCH OF INSTITUTE OF MEDICINAL PLANT DEVELOPMENT, CHINESE ACADEMY OF MEDICAL SCIENCES

72: ZHANG, Zhonglian, ZHANG, Yue, SONG, Meifang, LI, Haitao, WANG, Yunqiang, QU, Lu, ZHANG, Lixia, TANG, Deying, QI, Jianjun, BAI, Yi, DUAN, Lisheng

54: METHOD AND KIT FOR IDENTIFYING RESINA DRACONIS ORIGIN

00: -

The present invention discloses a method and a kit for identifying a Resina Draconis origin, and relates to the technical field of molecular identification. The method for identifying the Resina Draconis origin disclosed by the present invention comprises the following steps: (1) DNA extraction; (2) PCR amplification and product sequencing; (3) sequence splicing; and (4) phylogenetic tree construction. The identification method disclosed by the present invention can accurately and conveniently identify the species source of the Resina Draconis origin and thus provides a new idea and technical means for accurately identifying the Resina Draconis origin.



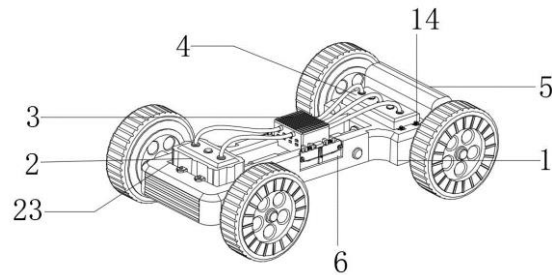
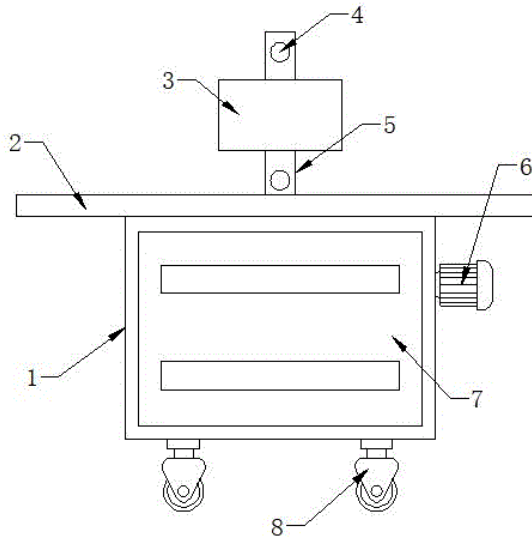
21: 2023/10473. 22: 2023/11/10. 43: 2024/05/09
51: H02B

71: Anhui Lutai Electric Technology Co., Ltd
72: Fuchun Qin, Nianchun Qin

54: A FAULT IDENTIFICATION DEVICE FOR STABILITY MAINTENANCE FOR POWER STATION OPERATION AND MAINTENANCE

00: -

The invention discloses a stability maintenance fault identification device for power station operation and maintenance, including a storage shell. The top of the storage shell is fixed with an identification plate, the top of the identification plate is fixed with an upright pole, the middle of the upright pole is sliding connected with a fault identification device, and the two sides of the inner wall of the storage shell are provided with sliding grooves. The interior of the two coating slots are glibly connected with a sliding block, and a sealing plate is installed between the two sliding blocks. The inner part of the storage shell is provided with a lifting groove, and the middle thread of the threaded column is connected with a lifting block sliding connected with the lifting groove. The invention relates to a stability maintenance fault identification device for power station operation and maintenance. By setting a storage shell and a sealing plate, it is convenient for the staff to store the maintenance tool in the maintenance fault identification device. The opening angle of the sealing plate can be adjusted. This makes it easy for the staff to place the inspection tools, which reduces the amount of labor for the staff, which improves the practicality of the inspection fault identification device.



21: 2023/10474. 22: 2023/11/10. 43: 2024/05/09
51: H02J

71: West Anhui University

72: Chengling Lu, Chengtao Du, Jie Fang, Gang Zhang, Lei Zhang, Xuejuan Wu, Jinsi Zhang

54: A HYBRID ENERGY STORAGE SYSTEM DEVICE FOR ELECTRIC VEHICLE POWER SUPPLY

00: -

The invention relates to the technical field of electric vehicle, in particular to a hybrid energy storage system device for electric vehicle power supply. It includes: the electric vehicle chassis surface is provided with a super-capacitor, bidirectional DC/DC converter, power battery, motor; Its beneficial effects are: The use of the super-capacitor can be charged and discharged at large current characteristics, through multiple fast and convenient small-capacity energy supplement, and then through the controllable bidirectional DC/DC converter to transfer the energy in the auxiliary super-capacitor to the smaller power battery than the traditional pure electric vehicle or directly drive the vehicle. This enables continuous driving of electric vehicles. This solves the shortcomings of the battery life of pure electric vehicles that lack the impact of performance. Because the system is matched with the auxiliary energy storage system, the fast energy acquisition is realized. The on-board power battery system of the electric vehicle itself can be greatly reduced, which can greatly reduce the cost of the entire electric vehicle, reduce the weight of the vehicle, and improve the energy utilization efficiency.

21: 2023/10498. 22: 2023/11/13. 43: 2024/05/09
51: C01B

71: Anhui Science And Technology University

72: CHEN, Junhua, CHEN, Chen, KE, Xiang, LI, Peili, GUO, Yu, CHENG, Nianshou, SU, Haibo, LIU, Ning, ZHOU, Li, YANG, Wanke

54: METHOD FOR PREPARING NANO WHITE CARBON BLACK BY COMPREHENSIVELY UTILIZING SODIUM CHLORIDE WASTEWATER

00: -

The present invention provides a method for preparing nano white carbon black by comprehensively utilizing sodium chloride wastewater, and relates to the technical field of nano white carbon black. By taking a sodium silicate solution as a silicon source and hydrochloric acid as a precipitant, nano white carbon black is prepared in combination with a production process by adding a dispersant and a dispersing aid and taking the sodium chloride wastewater as a reaction medium and a part of the dispersant. There are a lot of hydroxyls on the surface of the white carbon black, which are easily agglomerated in a preparation process. Through double efficient dispersion by ultrasonic and mechanical stirring, agglomeration of the white carbon block is controlled effectively to achieve the purpose of controlling the particle size of the white carbon block, so a nanoscale white carbon black product with a smaller particle size is prepared.

21: 2023/10499. 22: 2023/11/13. 43: 2024/05/09
51: G09B

71: Henan University of Urban Construction

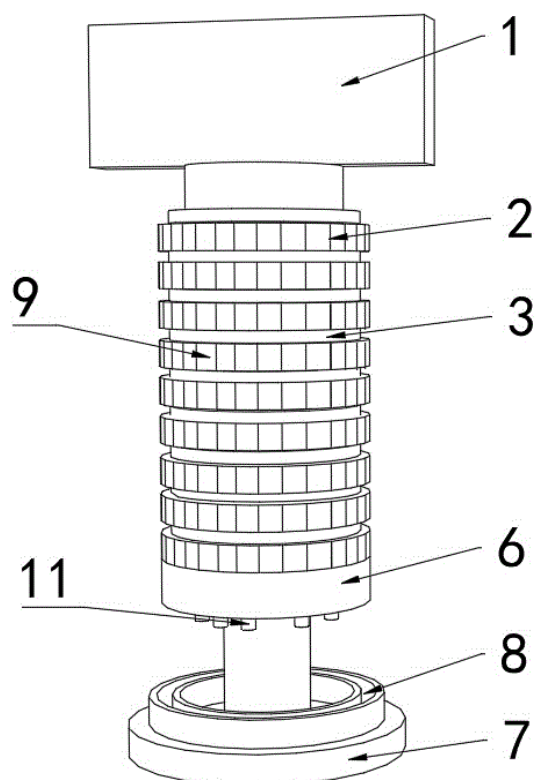
72: DONG Zhaofeng, WANG Li, SONG Liqiang, CHEN Yuanyuan, ZHANG Xiangyu, ZHANG Xiaoyu, LI Bing, LI Hengbin, LIU Lele

54: DEVICE FOR IMPROVING MEMORY AND SPELLING EFFICIENCY OF ENGLISH WORDS

00: -

The invention relates to the technical field of learning tools, and discloses a device for improving the

memory and spelling efficiency of English words, which includes a support column, where a display board is arranged at the top of the support column, and a base is arranged at the bottom of the support column; a plurality of turntables are arranged, and the turntables are rotatably connected to the support columns; a plurality of limit assemblies are arranged inside the support column and the chassis, the chassis is located at the bottom of the turntables, and the chassis is sleeved outside the support column; when the limit assemblies extend, the turntables are fixed; when the limit assemblies contract, the turntables are released. Different turntables are rotated to spell the words prompted on the display board, and the turntables are manually rotated to select the correct letters during spelling, thus enhancing the function of manual selection, combining hand, eyes and brain, and enhancing the memory effect; the limit assemblies are arranged to fix the turntables, and the turntables will rotate by itself, resulting in spelling mistakes.



21: 2023/10500. 22: 2023/11/13. 43: 2024/05/14
51: A61K

71: Mrs. Priyanka Ganesh Kale, Mr. Sahil Subhash Wadkar, Mrs. Madhuri Suraj Nalawade, Mrs.

Kumudini Rahul Pawar, Mrs. Anuradha Kameshwar Salunkhe, Mrs. Deepali Pramod Kaldate, Dr. Kiran Chandrakant Mahajan, Mrs. Sharvari Satyajeet Chavan, Mr. Manoj Balasaheb Shinde, Dr. Mrudangsinh Mahendrakumar Rathod
72: Mrs. Priyanka Ganesh Kale, Mr. Sahil Subhash Wadkar, Mrs. Madhuri Suraj Nalawade, Mrs. Kumudini Rahul Pawar, Mrs. Anuradha Kameshwar Salunkhe, Mrs. Deepali Pramod Kaldate, Dr. Kiran Chandrakant Mahajan, Mrs. Sharvari Satyajeet Chavan, Mr. Manoj Balasaheb Shinde, Dr. Mrudangsinh Mahendrakumar Rathod

54: IN-VITRO ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF ETHANOLIC EXTRACT OF EUPHORBIA PROSTRATA

00: -

The present invention relates to the antibacterial potential of Euphorbia Prostrata's ethanolic extract against Bacillus subtilis, Escherichia coli, Bacillus thuringiensis, and Pseudomonas aeruginosa at concentrations of 30mg/ml, 50mg/ml, and 70mg/ml. Phytochemical screening reveals the presence of carbohydrates, proteins, flavonoids, and other bioactive compounds. The highest zone of inhibition occurs in B. thuringiensis (13mm at 70mg/ml), followed by E. coli (12mm at 70mg/ml) and B. subtilis (11mm at 70mg/ml), with the least in P. aeruginosa (9mm at 70mg/ml). The study demonstrates a concentration-dependent increase in antibacterial efficacy. Euphorbia Prostrata emerges as a promising medicinal plant, showcasing diverse properties with potential applications in traditional medicine. Further research is warranted to unlock additional therapeutic attributes and medical applications.

21: 2023/10501. 22: 2023/11/13. 43: 2024/05/14
51: C04B

71: Datong GOMG Technology Co., Ltd.
72: Hongwei ZHU, Tian TONG, Yunpeng GE, Zhongsheng TONG, Jianfeng HAN, Lu CAO

54: A PREPARATION METHOD OF ULTRAFINE ALUMINUM CARBIDE-MAGNESIUM REFINER

00: -

The present invention discloses a preparation method of ultra-fine aluminum-magnesium carbide composite powder, which includes: mixing aluminum powder and graphite powder and grinding them into the first substance of carbon in aluminum in ball milling; adding magnesium powder to the first substance to continue ball milling to make the

second substance; the ultrafine aluminum carbide-magnesium composite powder material is obtained by heating and annealing the second substance, the preparation method of the present invention solves the problems of air absorption of aluminum carbide particles and poor interface with magnesium matrix, so that the aluminum carbide particles have good wettability with magnesium liquid; the problem of high surface energy and easy agglomeration of nanoparticles is solved, which makes it easier for aluminum carbide to disperse in magnesium liquid and greatly improves the mechanical properties of magnesium alloy. In addition, the method of this invention requires short ball milling time, and the temperature of chemical reaction between carbon and aluminum is low. Therefore, the energy consumption and time consumption of the method of this invention are lower than those of the existing methods, so as to ensure that the aluminum powder dissolved in carbon is fully transformed into aluminum carbide and form ultrafine powder.

21: 2023/10502. 22: 2023/11/13. 43: 2024/05/14
51: A23L

71: Pingdu Bernia Food Co., Ltd.

72: ZHAO, Xiangjin, DAI, Aiguo, CHENG, Jijun, SUN, Jingxin, LI, Yugao, GAO, Wenhua, LIU, Gongming, HUANG, Ming, YAO, Xianqi, ZHENG, Qiankun, GENG, Meixia

33: CN 31: 2023108149687 32: 2023-07-04

54: METHOD FOR PREPARING PRODUCT HAVING PRECISE FLAVOR, TEXTURE AND COLOR BY OPTIMIZING TRADITIONAL PROCESS FOR CURING AND RIPENING PORK

00: -

Disclosed is a method for preparing a product having precise flavor, texture and color by optimizing a traditional process for curing and ripening pork.

Processes are optimized through an auxiliary method of a medium-frequency alternating electromagnetic field such that the action of lysosomal proteases in the lean meat can be strengthened, and degradation of proteins is prompted to form a micromolecular flavor substance, such that the lean meat shows specific lean meat flavor, texture and bright red color; and the action of lipase in the fat meat can be strengthened, and lipid oxidation and degradation are prompted to form a volatile flavor compound, such that the fat meat shows specific fat aroma, crystal transparent

particles and crispy taste. The product having precise flavor, texture and color can be prepared from ripened lean meat and fat meat.

21: 2023/10503. 22: 2023/11/13. 43: 2024/05/14
51: G01R

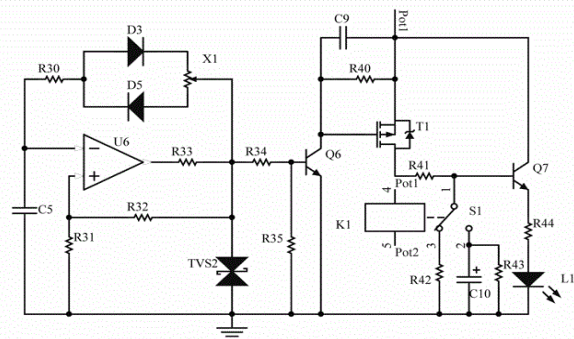
71: Henan Children's Hospital Zhengzhou Children's Hospital

72: Zhang Chunxu, Sun Keming, Ji Zejuan, Wang Junjian, Liu Fangna, Guo Zhanhao

54: A SHADOWLESS LAMP ADJUSTMENT AND CONTROL SYSTEM

00: -

The present invention discloses a shadowless lamp adjustment control system, which includes a power supply module for providing power to the shadowless lamp, a current evaluation module, a drive signal generation module, and a drive adjustment module. The current evaluation module detects the driving current of the lamp bead and evaluates the changes in the driving current, and controls the drive adjustment module based on the evaluation results; The driving signal generation module is used to generate a driving signal of the lamp bead and transmit the driving signal to the driving adjustment module; The driving adjustment module adjusts the changes in driving current based on the driving signal. The present invention can avoid the occurrence of lamp bead damage caused by changes in power supply voltage or excessive current changes caused by operator adjustment, and improve the service life of the shadowless lamp.



21: 2023/10510. 22: 2023/11/13. 43: 2024/05/14
51: G06T

71: Sichuan Wutong Technology Co., Ltd.

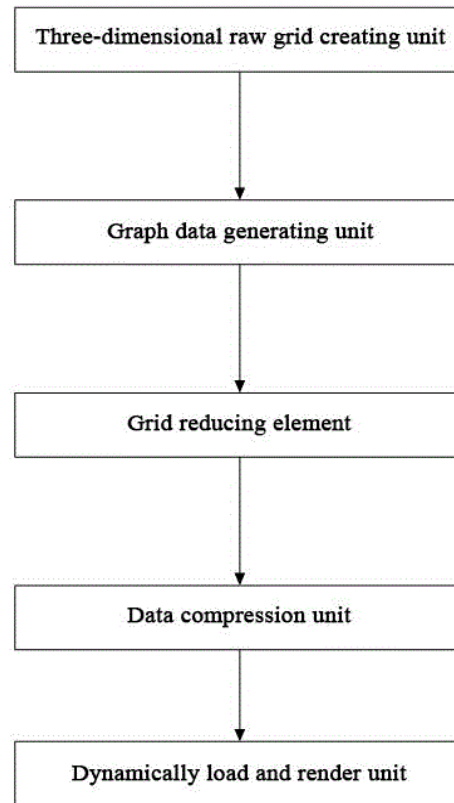
72: Yipeng Luo, Liang Yuan, Jie Yi, Yong Xu, Ying Zheng

33: CN 31: 202311128003.9 32: 2023-09-04

54: A LARGE-SCALE VIRTUAL REALITY SYSTEM BASED ON MESH COMPRESSION

00: -

The invention discloses a large-scale virtual reality system based on mesh compression, which relates to the technical field of virtual reality. The system comprises: a three-dimensional original mesh generation unit, configured to generate a three-dimensional primitive mesh model composed of vertices, edges and faces for the virtual scene, with each face as a mesh; graph data generation unit, configured to generate corresponding graph data for each mesh in the three-dimensional original mesh model; the mesh simplification unit configured to simplify the mesh of the three-dimensional original mesh model; the data compression unit configured to compress the data of graphic data of each mesh in the three-dimensional mesh model; dynamic loading and rendering units configured to determine the mesh in the three-dimensional mesh model to be loaded based on the user's viewpoint and field of view. The invention realizes efficient compression and fast loading of three-dimensional mesh data in a large-scale virtual reality system, significantly improving user experience and reducing data transmission costs.



21: 2023/10515. 22: 2023/11/13. 43: 2024/05/14

51: F22B

71: XI'AN FENG DONG HUANENG HEATING CO., LTD.

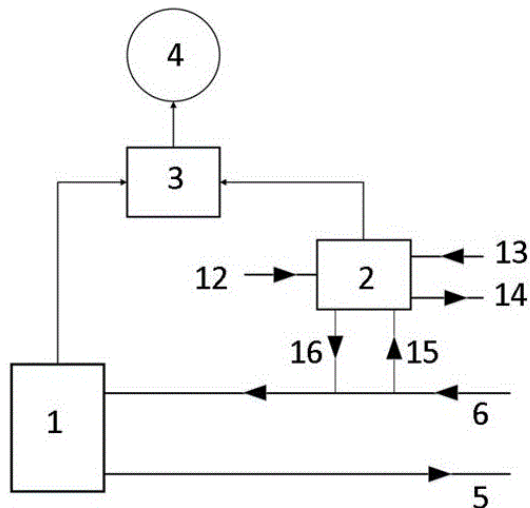
72: ZHANG, Tao, GAO, Sheng, DU, Lizhe, XI, Changning

54: APPLICABLE TO NATURAL GAS BOILER FLUE GAS WASTE HEAT DEEP RECOVERY SYSTEM AND RECOVERY METHOD

00: -

The applicable to natural gas boiler flue gas waste heat deep recovery system and recovery. None of them utilizes the latent heat of the flue gas, which is below 60°C. Therefore, how to utilize this part of heat is a technical problem to be solved by the technicians in the field. The present invention consists of: a natural gas boiler (1), a heat pump system (2), a packing tower (3) and a chimney (4); the flue gas discharged from the wherein natural gas boiler enters into the wherein packing tower for heat exchange; the drainage port of the wherein packing tower is connected to the evaporator inlet of the wherein heat pump system, which is used to transfer the water after the flue gas is exchanged into the heat pump system for heat exchange; the evaporator outlet of the wherein heat pump system

is connected to the evaporator inlet of the wherein packing tower; the evaporator outlet of the wherein heat pump system is connected to the evaporator outlet of the wherein heat pump system for heat exchange. The evaporator outlet of wherein heat pump system is connected to the spray water inlet of wherein packing tower. The present invention is used for the deep recovery of flue gas waste heat from natural gas boilers.

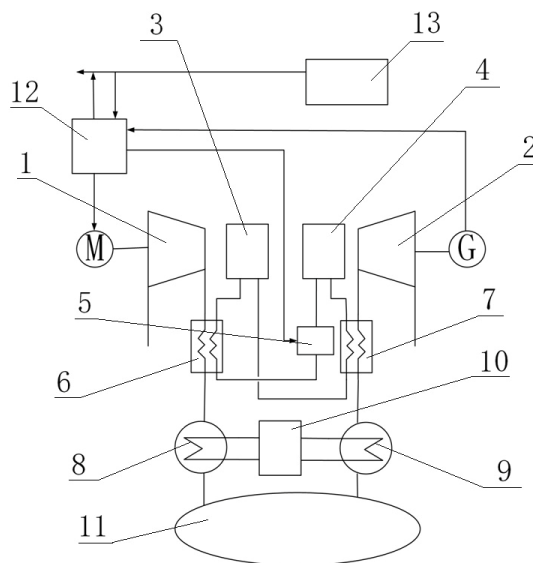


21: 2023/10516. 22: 2023/11/13. 43: 2024/05/14
 51: F28B
 71: XI'AN FENG DONG HUANENG HEATING CO., LTD.

72: ZHANG, Tao, XI, Changning
54: COMPRESSED AIR ENERGY STORAGE COUPLED WITH MOLTEN SALT STORAGE HEAT CONDITIONING SYSTEM AND METHOD

00: -
 A compressed air energy storage coupled with molten salt storage heat conditioning system and method. The efficiency of the existing compressed air energy storage system is about 60%, and the compressed air energy release process, through the air turbine operating temperature is only about 290°C, resulting in low operating efficiency. The method of the present invention consists of: an air compression system (1), an air compression system connected to a compression heat recovery heat exchanger (6) through a pipeline, a compression heat recovery heat exchanger connected to a low-temperature molten salt tank (3), a low and medium-temperature compression heat exchanger (8), and an electrically-heated molten salt system (5), a low-

temperature molten salt tank connected to a high-temperature heat recovery heat exchanger for compressed air (7), and a high-temperature heat recovery heat exchanger for compressed air connected to a high-temperature heat recovery heat exchanger for compressed air (7). air turbine power generation system (2), high-temperature molten salt tank (4), and medium-low temperature make-up heat exchanger (9), and the medium-low temperature compressed heat exchanger is connected to the medium-low temperature make-up heat exchanger through the medium-low temperature heat accumulator (10). The present invention is used for compressed air energy storage coupled with molten salt storage heat regulation system regulation.



21: 2023/10517. 22: 2023/11/13. 43: 2024/05/14
 51: A23F
 71: JILIN AGRICULTURAL UNIVERSITY
 72: WANG, Liyan, YIN, Jiacheng, JIANG, Guochuan, LI, Yu

54: WATER-SOLUBLE GANODERMA LUCIDUM SPORE INSTANT COFFEE POWDER AND PREPARATION METHOD THEREFOR

00: -
 The present invention discloses water-soluble Ganoderma lucidum spore instant coffee powder and a preparation method therefor, and relates to the technical field of coffee processing. According to the present invention, the Ganoderma lucidum spore powder is firstly embrittled, subjected to high-pressure airflow blending, then subjected to

extraction by distilled water multiple times, and concentrated, frozen, and dried to obtain the water-soluble *Ganoderma lucidum* spore powder. The coffee is then cold-brewed and freeze-dried to avoid the loss of aromatic substances in the coffee powder and retain the flavor and nutrition of the coffee. The present invention combines the *Ganoderma lucidum* spore powder that tranquilizes the mind and coffee to make up for the defects of the two and achieve the purpose of synergy, thereby obtaining a coffee product that has a nutritional value of the *Ganoderma lucidum* spore without affecting the taste.

21: 2023/10518. 22: 2023/11/13. 43: 2024/05/14
51: A23L

71: JILIN AGRICULTURAL UNIVERSITY
72: WANG, Liyan, DONG, Yuming, JIANG,
Guochuan

54: HIGH-DIETARY FIBER AND LOW-CALORIE SAUSAGE FOR REPLACING RED MEAT WITH EDIBLE FUNGI AND PREPARATION METHOD THEREOF

00: -

The present invention discloses a high-dietary fiber and low-calorie sausage for replacing red meat with edible fungi and a preparation method thereof, which belongs to the technical field of sausage processing. The sausage for replacing red meat with edible fungi of the present invention is prepared from the following raw materials in parts by weight: 700~1,000 parts of red meat, 100~130 parts of edible fungi, 50~100 parts of fat meat, 20~50 parts of salt, 20~50 parts of sugar, 20~50 parts of monosodium glutamate, 2~5 parts of sodium pyrophosphate, 2~5 parts of sodium tripolyphosphate, 8~18 parts of vitamin C, 0.1~0.5 part of peanut skin red, 3~8 parts of pepper, 2~7 parts of cinnamon bark, 6~12 parts of garlic, 6~12 parts of carrageenan, 60~90 parts of soybean protein, 80~140 parts of dry starch, 0.1~0.3 part of monascus red pigment and 350~400 parts of crushed ice. The sausage for replacing red meat with edible fungi of the present invention can effectively improve the protein content of the sausage and reduce the cholesterol content.

21: 2023/10519. 22: 2023/11/13. 43: 2024/05/14
51: C23G

71: JILIN UNIVERSITY OF MEDICINE

72: YANG, Weilong, XIU, Zhiming, ZHAO, Shan, LI, Zhuoling, LIU, Jiaxue, WANG, Yangyang, WANG, Zhibing, JIA, Boyan, WANG, Huiyan, CAI, Jianhui

54: COMPOUND FOR ALDOSE REDUCTASE INHIBITOR, SYNTHESIS METHOD THEREFOR AND USE THEREOF

00: -

The present invention provides a compound for an aldose reductase inhibitor, a synthesis method therefor and use thereof, and belongs to the technical field of chemical drug synthesis. According to the present invention, halogenated benzoic acid is taken as a raw material, reacts with glycine under an alkaline condition through metal catalysis, then acylates with acetic anhydride under an alkaline condition, and finally the mixture and acetic anhydride are catalyzed by an organic base for cyclization to obtain a crude product, wherein the crude product is recrystallized in an alcohol solvent to prepare a 1-acetyl-1H-indol-3-yl acetate derivative; and the derivative is used as an aldose reductase inhibitor, and has use in preparing a candidate drug molecule for the treatment of diabetic nephropathy. The synthesis method of the present invention has the advantages of simple operation, easily available raw materials, high yield, high purity and low cost, and is beneficial to mass production.

21: 2023/10527. 22: 2023/11/13. 43: 2024/05/14
51: A61K

71: QINGDAO RUISIDE MEDICAL LABORATORY CO., LTD.

72: CHEN, Mengmeng, ZHANG, Bingqiang, LUAN, Yansong, ZHOU, Yang, HAN, Lihui, LI, Tao, JIA, Xiaoqing, SUN, Yundong, YU, Junmei

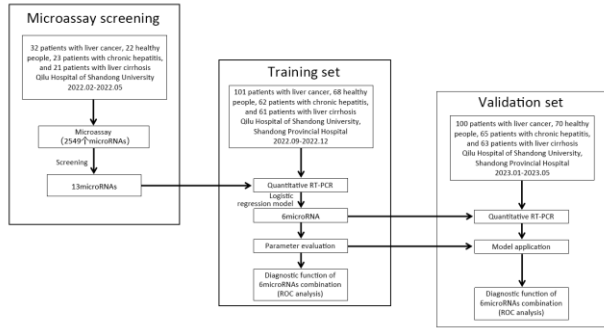
33: CN 31: 2023110162247 32: 2023-08-14

54: LIVER CANCER-ASSOCIATED SERUM MICRORNA MAKERS AND NEW METHOD FOR DIAGNOSING LIVER CANCER

00: -

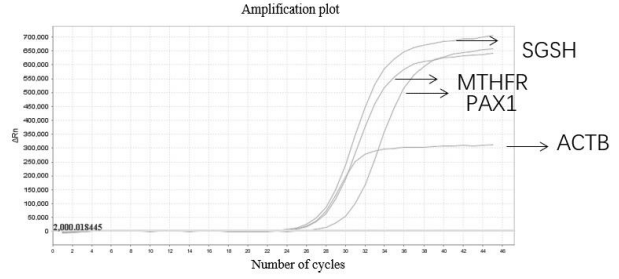
The present invention provides liver cancer-associated serum microRNA markers and a new method for diagnosing liver cancer, wherein the liver cancer-associated serum microRNA markers consist of hsa-miR-122, hsa-miR-21, hsa-miR-2115, hsa-miR-221, hsa-miR-27 and hsa-miR-4499; relative expression level of the liver cancer-associated serum microRNA markers in serum is tested using Real-time PCR method, and reagents for the testing contains primers of the liver cancer-associated

serum microRNA markers. The present invention can be used to diagnose hepatocellular carcinoma, in particular early hepatocellular carcinoma or to distinguish the serum of at least one patient with hepatocellular carcinoma from the serum of at least one healthy individual, the serum of at least one patient with chronic hepatitis B or the serum of at least one patient with liver cirrhosis.



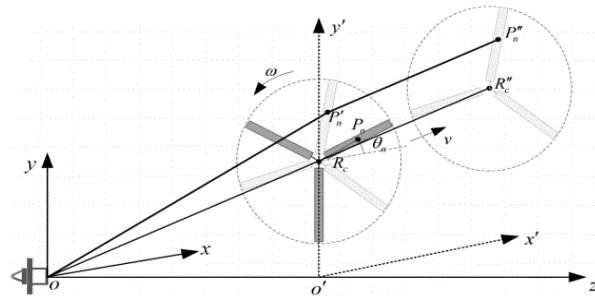
21: 2023/10528. 22: 2023/11/13. 43: 2024/05/14
 51: C12N
 71: QINGDAO RUISIDE MEDICAL LABORATORY CO., LTD.
 72: ZHANG, Bingqiang, CHEN, Mengmeng, YU, Junmei, ZHOU, Yang, SUN, Yundong, ZHAO, Yunxue, HAN, Lihui, LIU, Shili, LUAN, Yansong
 33: CN 31: 2023110162374 32: 2023-08-14
54: KIT AND METHOD FOR DETECTING METHYLATION OF GENES IN CERVICAL CELLS
 00: -

The present invention pertains to the technical field of biomedical testing, and more specifically pertains to a kit and method for detecting methylation of genes in cervical cells. The present invention is used to determine whether a precancerous lesion occurs in a sample by detecting a methylation level of promoter regions of three genes MTHFR, PAX1 and SGSH in the sample, which is easy and convenient to operate, has high detection sensitivity and good specificity, and has a very positive significance for the detection of cervical cancer.



21: 2023/10547. 22: 2023/11/14. 43: 2024/05/14
 51: G01S
 71: Shenzhen Polytechnic University
 72: Zhengkun CHENG, Zhurong DONG, Xiaochun ZHU, Yachen ZHANG
 33: CN 31: 2023100400041 32: 2023-01-12
54: A METHOD FOR PROPELLER BLADE PARAMETER ESTIMATION BASED ON UNDERWATER ACOUSTIC MICRO-DOPPLER EFFECT
 00: -

The present invention disclosed a method for propeller blade parameter estimation based on underwater acoustic micro-Doppler effect, including sonar equipment, receiving equipment and submersible for detection, the method includes: sonar detection equipment emits an acoustic signal, which is reflected by the propeller to form echo; after the receiving device receives the echo signal, the signal is subjected to short-time Fourier transform to obtain the micro-Doppler frequency shift of the propeller blade, according to the characteristics of Doppler frequency shift, multiple features of the length, number and rotation speed of the propeller blade are finally extracted. In the present invention through short-time Fourier analysis of the echo signal of the blades, the micro-Doppler characteristics of different blades are obtained, by measuring the number, intensity and change period of the micro-Doppler characteristics, the number of propeller blades, blade length and propeller speed can be obtained.



21: 2023/10548. 22: 2023/11/14. 43: 2024/05/14
51: C04B

71: Ningxia University, Ningxia Huasheng Energy Conservation and Environmental Protection Technology Co., Ltd., China Aluminum Ningxia Energy Group Co., Ltd.

72: Honbo LI, Guipu HUA, Zi WANG, Hairui WANG, Junku DUAN, Qinghong LIU, Shudong HUA, Xinrui KANG, Long SHAN

54: ROAD BASE MIXTURE AND ITS CONTENT CALCULATION AND PREPARATION METHOD

00: -

The present invention discloses a road base mixture and its dosage calculation and preparation method, which comprises the following components by weight: 2-3 parts of cement, 5-10 parts of fly ash, 10-20 parts of slag, 60-75 parts of coal gangue, and 2-3 parts of activator. The present invention adopts the above method for calculating and preparing road base mixtures and their dosage, and uses industrial solid waste to be mixed in a certain proportion to replace traditional cement/fly ash stabilized crushed stone as road base mixtures. This not only directly consumes a large amount of industrial waste, but also improves the utilization rate of fly ash and slag, reduces adverse factors such as excessive accumulation of waste, occupation of land, and environmental pollution, It also reduces the consumption of cement and natural sand and gravel, achieving the goal of turning waste into treasure and sustainable development, with good economic and social benefits.

21: 2023/10551. 22: 2023/11/14. 43: 2024/05/14
51: G09B

71: Harbin Vocational College of Science and Technology

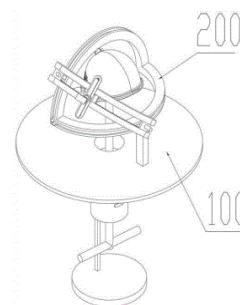
72: NING, Kai

54: VR HELMET ASSEMBLING APPARATUS FOR CULTURAL EDUCATION AND OPERATING METHOD THEREOF

00: -

Disclosed are a VR helmet assembling apparatus for cultural education and an operating method thereof, relating to the technical field of VR helmets. The apparatus includes a clamping apparatus and a drilling apparatus; the clamping apparatus includes a workbench, a lifting plate, and a positioning suction cup; the drilling apparatus includes a positioning seat; a lower end of the positioning seat is provided

with a positioning plate; an upper part of the positioning seat is provided with two arc-shaped seats spatially perpendicular to each other; No. 1 magnetic dovetail blocks are connected to the arc-shaped seat, and a moving arc-shaped seat is connected to the No. 1 magnetic dovetail blocks; a drilling frame is slidably connected to the moving arc-shaped seat, and the drilling frame is provided with a drill rod. The present invention can achieve precise drilling.



21: 2023/10552. 22: 2023/11/14. 43: 2024/05/14
51: G10K

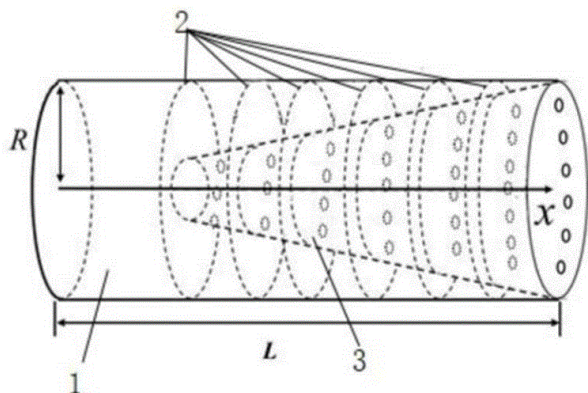
71: WUHAN UNIVERSITY OF TECHNOLOGY

72: ZHANG, Xiaoqi, CHENG, Li

54: LOW-FREQUENCY ULTRA-WIDEBAND ACOUSTIC BLACK HOLE ACOUSTIC MATERIAL STRUCTURE

00: -

The present invention relates to a low-frequency ultra-wideband acoustic black hole acoustic material structure, including an acoustic black hole structure and a micro-perforated plate, where the micro-perforated plate is provided inside the acoustic black hole structure; the acoustic black hole structure includes a cylindrical cavity with one end closed and the other end open, and a plurality of circular rings are provided in parallel inside the cylindrical cavity; a plurality of circular rings are sheathed on an outer side of the micro-perforated plate, and inner walls of the circular rings are closely adhered to an outer wall of the micro-perforated plate. The present invention has a broad application prospect in low-frequency wideband noise control with a compact and simple structure, a convenient implementation, and a high noise control efficiency.



21: 2023/10553. 22: 2023/11/14. 43: 2024/05/14

51: C09D

71: Anhui Care-Jet New Material Technology Co., Ltd.

72: FANG, Liuyue

54: WATERBORNE FLUOROCARBON COATING, PREPARATION METHOD AND APPLICATION THEREOF, AND SPRAYING METHOD

00: -

The waterborne fluorocarbon coating provided by the present invention is applicable to rubber and plastic materials, and a surface of a rubber product subjected to spray treatment has a very low surface friction coefficient, which may reduce the friction coefficient of the rubber surface from 1.2-1.8 to 0.1-0.5. The waterborne fluorocarbon coating is excellent in heat resistance and low temperature resistance and will not burst at a low temperature. It is also excellent in corrosion resistance, weather resistance, chemical resistance, medium resistance, and aging resistance.

21: 2023/10554. 22: 2023/11/14. 43: 2024/05/14

51: C09D

71: Anhui Care-Jet New Material Technology Co., Ltd.

72: FANG, Liuyue

54: HIGH-TEMPERATURE RESISTANT AND ANTICORROSIVE COATING AND PREPARATION METHOD AND APPLICATION THEREOF

00: -

The present invention provides a high-temperature resistant and anticorrosive coating adopting silicone resin as the main resin, which not only retains the flexibility, gloss retention, and strength properties of the silicone resin, but also maintains the high-temperature resistance, hardness, and strength properties of the inorganic silicon, so that the coating

may maintain excellent properties in both a high-temperature environment and a low-temperature environment, and may also improve the impact resistance of the coating.

21: 2023/10555. 22: 2023/11/14. 43: 2024/05/14

51: A61M

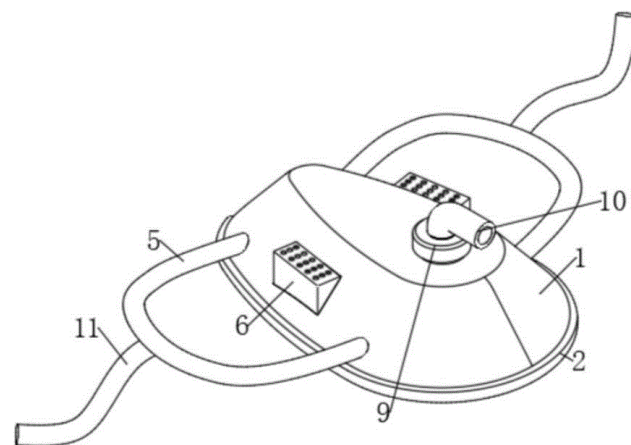
71: Guoqiang Zhan

72: Guoqiang Zhan

54: A CLINICAL CONCENTRATION-ADJUSTED ANESTHESIA DEVICE FOR THE ANESTHESIOLOGY DEPARTMENT

00: -

The invention discloses a clinical concentration-adjusted anesthesia device in an anesthesiology department: it includes a mask body, the bottom of the mask body is provided with a nose bridge groove, the bottom of the mask body is fixed connected with an anti-slip pad, the inner of the anti-slip pad is installed with an annular airbag, and the side wall of the mask body is provided with an anesthesia concentration adjustment part, which is fitted with the nose bridge groove and the face skin through the anti-slip bulge to prevent the mask body from sliding on the face. The mask body is initially fixed by two sets of first fixed belts suspended over the ears, and the mask body is fixed by tying the free ends of the two sets of second fixed belts. The pressure of the mask body on the face is reduced by the annular airbag, and the oxygen pipe is connected to the mask body through the oxygen pipe joint and the oxygen intake pipe thread, and the concentration is adjusted by the anesthesia concentration adjustment section.



21: 2023/10556. 22: 2023/11/14. 43: 2024/05/14

51: F21W; G09G; H05B
 71: ECO-SOLUTIONS PROJECTS MANAGEMENT (PTY) LTD
 72: CHETTY, Raju
 33: ZA 31: 2023/09575 32: 2023-10-13
54: SMART LIGHTING SYSTEM AND APPARATUS

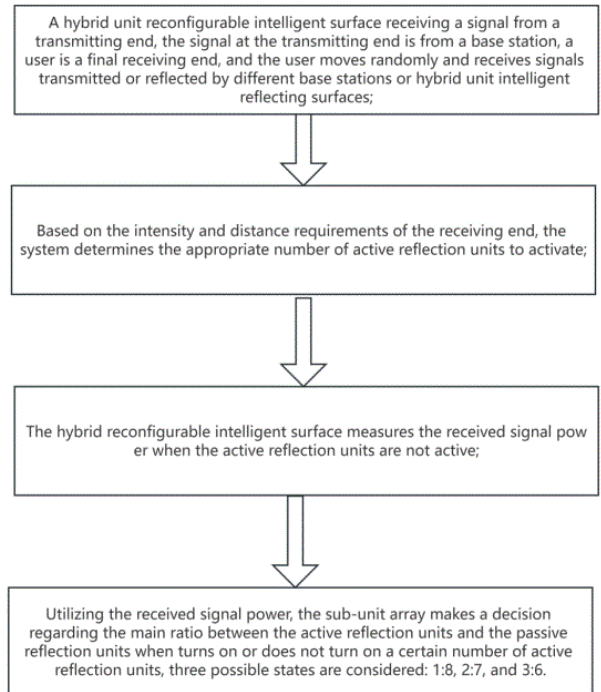
00: -
 A lighting apparatus and method of use for controlling and monitoring the functionality of lighting including street lighting, wherein the lighting apparatus comprises a controller configured and enabled to regulate lighting apparatus functionality; a SIM card enabled modem integral with the controller whereby an enabled SIM card used with the modem communicates data between the lighting apparatus and a data management system via a remote server; and the data processed by the controller utilized to regulate lighting apparatus functionality, in use.

21: 2023/10584. 22: 2023/11/15. 43: 2024/05/16
 51: H02J

71: Huizhou University
 72: CHUNG, Kwok Lun
 33: CN 31: 2023115031444 32: 2023-11-10
54: A METHOD OF RECONFIGURABLE INTELLIGENT SURFACE WITH ADJUSTABLE REFLECTION GAIN BASED ON HYBRID CELL SUBARRAY

00: -
 The present invention discloses a method for creating a reconfigurable intelligent surface that can adjust its reflection gain using a hybrid cell subarray. This technology falls within the realm of electronic information technology. The surface consists of a dual-polarized reconfigurable intelligent surface, which includes passive reflection units and active reflection units. The method for reflecting a signal involves the following steps: S1: a hybrid unit reconfigurable intelligent surface receiving a signal from a transmitting end; S2: based on the intensity and distance requirements of the receiving end, the system determines the appropriate number of active reflection units to activate; S3: the hybrid reconfigurable intelligent surface measures the received signal power when the active reflection units are not active; S4: utilizing the received signal power, the sub-unit array makes a decision regarding the main ratio between the active reflection units and the passive reflection units.

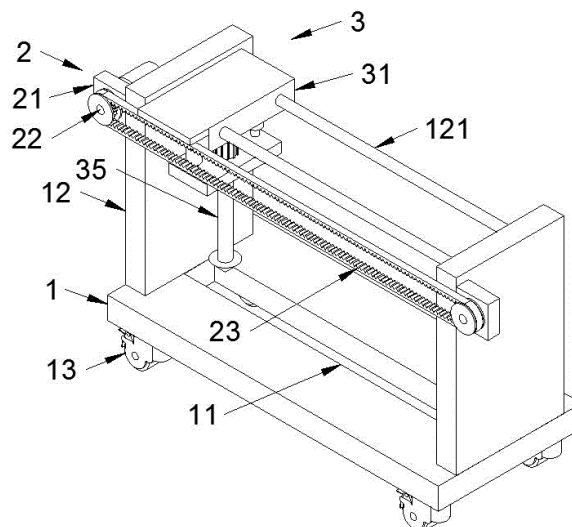
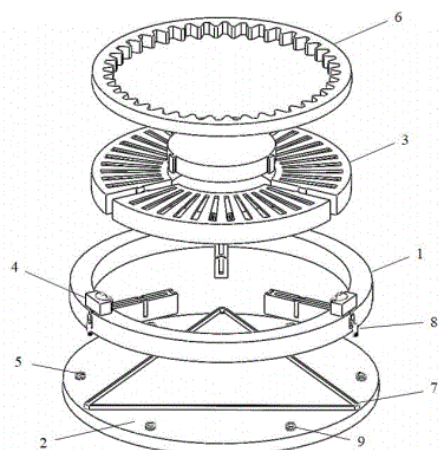
Three possible states are considered: 1:8, 2:7, and 3:6. The present invention addresses the issue of "multiplicative fading" which occurs due to the dual-path loss of the traditional reconfigurable intelligent surface's reflected signal.



21: 2023/10586. 22: 2023/11/15. 43: 2024/05/16
 51: B23Q; B24B

71: HARBIN INSTITUTE OF TECHNOLOGY
 72: YU, Guangbin, LI, Yang, MAO, Hancheng, SUN, Hao, MARMYSH Dzianis
54: CLAMPING DEVICE FOR PROCESSING INTERNAL GEAR

00: -
 A clamping device for processing an internal gear belongs to the technical field of auxiliary tools for gear processing. A pedestal is a cylinder, three groups of clamping mechanisms are arranged at equal intervals along a circumferential direction of the pedestal, each group of the clamping mechanism is slidingly connected to the pedestal, the three groups of clamping mechanisms are used to fix a to-be-processed internal gear, a through slot is formed in an end face of the pedestal, an inner side wall of the through slot is slidingly connected to a dust suction device, and the pedestal is fixedly connected to a base through a plurality of support columns.



21: 2023/10589. 22: 2023/11/15. 43: 2024/05/16
51: G01N

71: Suzhou University

72: Mingming Wang, Herong Gui

54: A PORTABLE SOIL DETECTION DEVICE FOR GEOLOGICAL EXPLORATION

00: -

The invention discloses a portable soil detection device for geological exploration, which relates to the technical field of geological exploration; the invention comprises a base plate, which enables the first motor to rotate with the driving shaft through the mutual coordination of the first motor and the driving shaft. Then through the coordination of the driving shaft and the synchronous wheel, the driving shaft rotates with the synchronous wheel. Then, through the coordination of the two synchronous wheels and the synchronous belt, the synchronous wheel rotates with the synchronous belt, and the synchronous belt drives the fixed mounting plate on one side of the connection plate to slide horizontally. This in turn allows the mounting plate to slide horizontally with the packing auger, which in turn allows the horizontal position of the packing auger to be adjusted. This can improve the convenience of detection and detection efficiency, through the electric push rod and supporting plate with each other, so that the electric push rod to promote the supporting plate lift. This in turn allows the supporting plate to be raised and lowered with a second motor output, allowing soil sampling at different depths. This improves the accuracy of the detection.

21: 2023/10590. 22: 2023/11/15. 43: 2024/05/16
51: C01F

71: Central South University

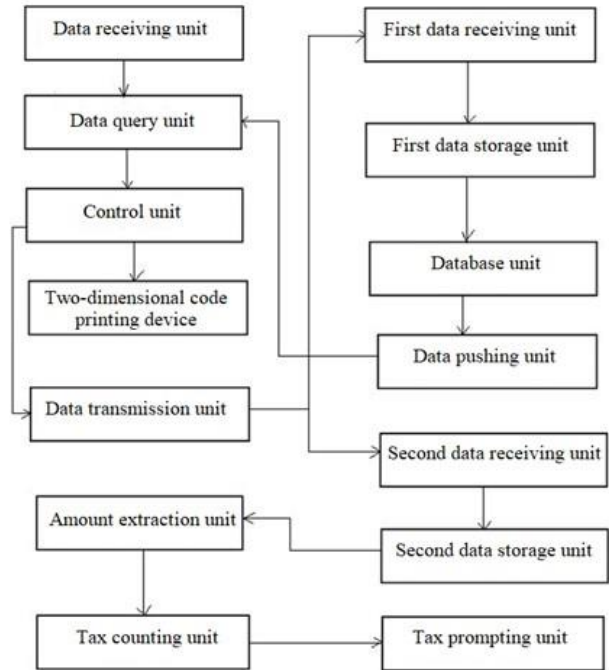
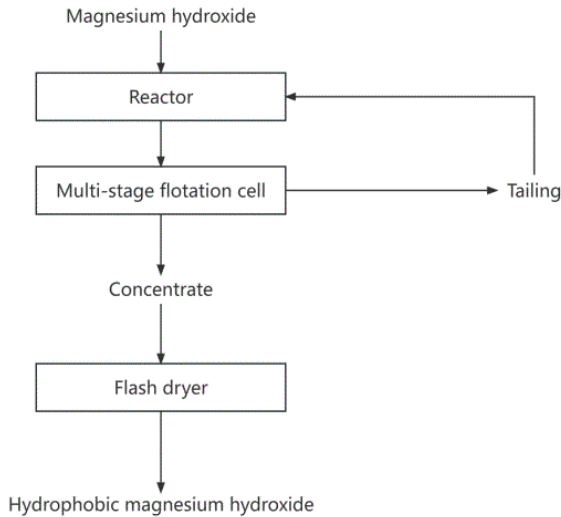
72: Weiping LIU, Junfeng CHENG, Qianqiu TIAN, Shangyong LIN, Wei SUN

33: CN 31: 2022114698244 32: 2022-11-23

54: A CONTINUOUS PREPARATION METHOD OF MAGNESIUM HYDROXIDE WITH CONTROLLABLE HYDROPHOBICITY

00: -

The present invention discloses a continuous preparation method of magnesium hydroxide with controllable hydrophobicity, in this process, magnesium hydroxide is added to the modification equipment for surface modification, and the modified slurry enters a multi-stage flotation cell. The surface modifier is added to the modification equipment, and the flotation agent and foaming agent are added step by step in the flotation cell, after the flotation concentrate is filtered, it enters the flash dryer to obtain hydrophobic magnesium hydroxide, and the flotation cell tailing returns to the modification equipment. This process combines surface modification and a multi-stage flotation process to effectively control the hydrophobicity of magnesium hydroxide and continuously prepare hydrophobic magnesium hydroxide. It solves the problem that the current surface modification process can not achieve precise control of the hydrophobic properties of modified magnesium hydroxide; the hydrophobicity of magnesium hydroxide is controllable, product quality is stable, production efficiency is high, which can meet the requirements of industrial production.

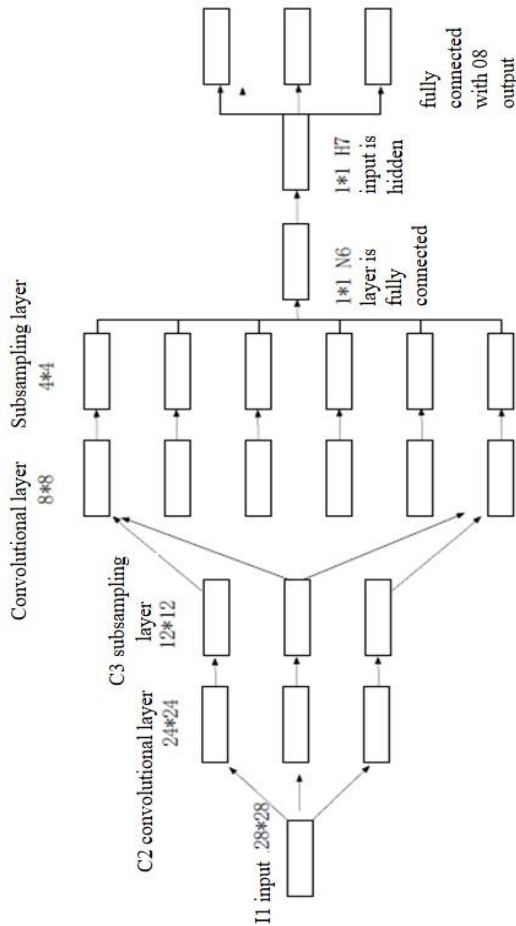


21: 2023/10591. 22: 2023/11/15. 43: 2024/05/17
 51: G06F; G06Q
 71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
 72: ZHENG, Rui, HUANG, Ruiyang, HUANG, Yuyun
 33: CN 31: 202310168113.1 32: 2023-02-21
54: MANAGEMENT SYSTEM FOR COMMERCIAL CONTRACT SIGNING AND APPLICATION METHOD

00: -
 A management system for commercial contract signing comprises a two-dimensional code printing device, a data query unit, a control unit, a data transmission unit, a first data storage unit, a second data storage unit, a first data receiving unit, a second data receiving unit, a database unit, a data pushing unit, a data receiving unit, an amount extraction unit, a tax counting unit and a tax prompting unit. The two-dimensional code printing device comprises a touch screen, an inkjet printer, a control circuit and a control module; and the inkjet printer is installed in an element box. An application method of the management system for commercial contract signing comprises six processes.

21: 2023/10592. 22: 2023/11/15. 43: 2024/05/17
 51: G06N
 71: XINGZHI COLLEGE ZHEJIANG NORMAL UNIVERSITY, MERRY WISER (JINHUA) TECHNOLOGY DEVELOPMENT CO., LTD
 72: DUAN, Zhizhuang, HUANG, Ruiyang, HUANG, Yuyun
 33: CN 31: 202310494005.3 32: 2023-04-24
54: ALARM METHOD FOR RECOGNIZING GESTURES BASED ON CAMERA

00: -
 The present invention relates to an alarm method for recognizing gestures based on a camera, comprising: setting a gesture data set; establishing a frame by the camera to recognize the trend of human activities; recognizing human gestures by using a convolutional neural network; comparing a captured binary gesture image with a security gesture, and setting a counter parameter with a value of 1; if the gesture image is successfully compared with the security gesture, setting the value of the parameter to plus 1; if comparison between the gesture image and security gesture fails, setting the value of the parameter to 0; and when the value of the parameter is greater than three, establishing a signal for the camera and the receiving device. The camera of the present invention uses the convolutional neural network to recognize human gesture, processes the human gesture and compares a gesture image with a security gesture.



spindle box; by selecting critical sizes of the spindle box with a sensitivity analysis method as optimal design input parameters and stress-strain, low-order inherent frequency and mass as target output parameters, building a mathematical model of an optimal design of the spindle box; and carrying out the optimal design of the spindle box by a second-order polynomial and a genetic algorithm.

21: 2023/10621. 22: 2023/11/16. 43: 2024/05/16
51: B01J

71: Ji'an College, THE JI'AN CITY COMMITTEE OF JIUSAN SOCIETY

72: JIN, Yuanbao, LI, Jie, PENG, Weifu, TANG, Hongying, FENG, Wenwen, GUO, Qi, XIAO, Na, ZHOU, Huang, LIU, Yuying

33: CN 31: 2023110920131 32: 2023-08-28

54: BIOCHAR ADSORBENT MADE FROM JINGGANG HONEY POMELO PEEL, AND PREPARATION METHOD THEREFOR AND APPLICATION THEREOF TO ADSORPTION OF ARSENIC AND MERCURY IONS

00: -

Provided are a biochar adsorbent made from Jinggang honey pomelo peel, and a preparation method therefor and application thereof to adsorption of arsenic and mercury ions. The method includes: mixing the Jinggang honey pomelo peel with water for boiling and drying to obtain pretreated biomass; mixing the pretreated biomass with a Ca(OH)₂ solution for alkali treatment, performing drying to obtain alkali-treated biomass, and performing crushing and sieving to obtain biomass powder; mixing the biomass powder with a KH₂PO₄ solution for activation treatment to obtain activated biomass powder; and heating, carbonizing, washing and drying the activated biomass powder to obtain the biochar adsorbent made from Jinggang honey pomelo peel. Results show that the maximum adsorption rates of CC250 for As³⁺ and Hg²⁺ are 90.44 percent and 89.75 percent respectively, and the maximum adsorption rates of CC500 for As³⁺ and Hg²⁺ are 69.65 percent and 71.85 percent respectively.

21: 2023/10596. 22: 2023/11/15. 43: 2024/05/16
51: G06F

71: ANHUI XINNUO PRECISION INDUSTRY CO., LTD

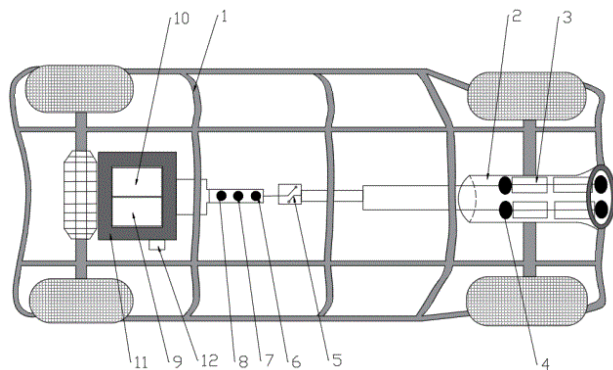
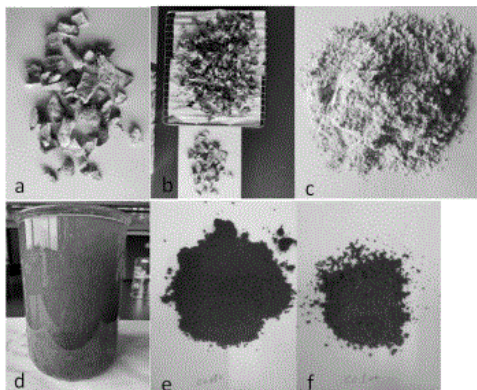
72: CAO, Keke, ZHAO, Zuxi, LIU, Wei, XIE, Zhentao, XIONG, Guoqiang, ZHANG, Jianchen, WANG, Haoyuan

33: CN 31: 202311039907.4 32: 2023-08-17

54: OPTIMAL DESIGN METHOD FOR SPINDLE BOX STRUCTURE OF VERTICAL MACHINING CENTER

00: -

Disclosed is an optimal design method for a spindle box structure of a vertical machining center, including includes: parametrically building a three-dimensional model of a spindle box; building a finite element model of the spindle box structure; analyzing static and dynamic characteristics of the spindle box structure according to a limited condition in an actual machining process; carrying out a modal testing test on the spindle box, and carrying out comparative analysis with a simulation result to correct the finite element model of the



21: 2023/10622. 22: 2023/11/16. 43: 2024/05/16

51: B60H

71: Xin Lin, Baoze Chen

72: Xin Lin, Baoze Chen

54: BATTERY ELECTRIC VEHICLE (BEV) WITH SELF-GENERATED CONSTANT-TEMPERATURE BATTERY

00: -

The present application discloses a Battery Electric Vehicle (BEV) with self-generated constant-temperature battery, comprises a vehicle body, an air collecting duct, two sets of wind turbines and a battery pack; two sets of the wind turbines are symmetrically arranged along the axis of the air collecting duct, the wind turbines include two motors, which rotate coaxially; front and rear shafts of the wind turbines are equipped with turbofan blades; the wind turbines are electrically connected to the battery pack; the battery pack includes a battery A and a battery B; rear of the vehicle body is equipped with a battery box slot, and the battery box slot is equipped with a resistance hot wire and a temperature controller. The present application uses the strong wind generated by the forward movement of the vehicle to generate electricity and uses it to warm the battery box slot. Under the control of the temperature controller, the battery box slot is maintained at a constant temperature of 30 to 35°C, which ensures that the battery used in the vehicle does not lose power in cold areas or cold seasons, and solves the problem of serious battery loss in BEV in cold areas or cold seasons.

21: 2023/10626. 22: 2023/11/16. 43: 2024/05/16

51: A61B

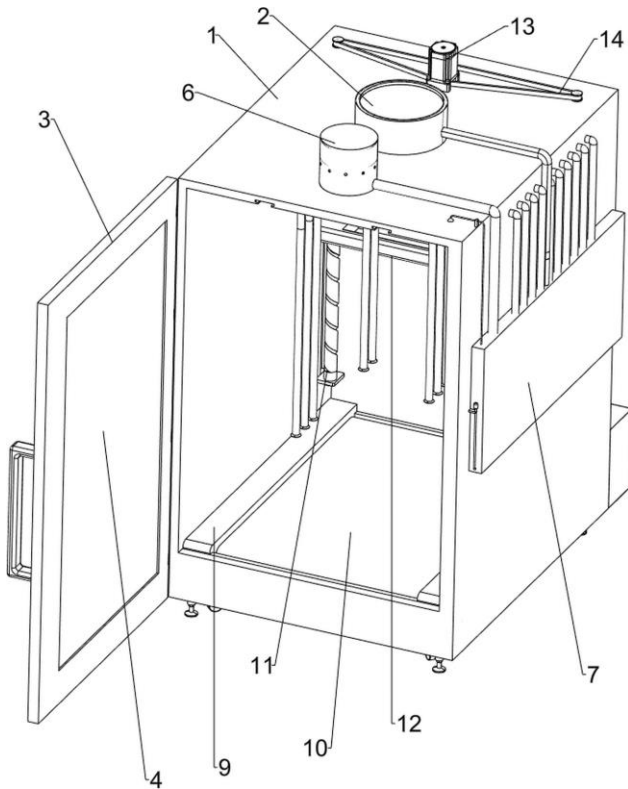
71: The Affiliated Hospital of Qingdao University

72: Zhexun Lian

54: AN EXERCISE PHYSIOLOGY TELEMETRY EXERCISE CARDIOPULMONARY TESTER

00: -

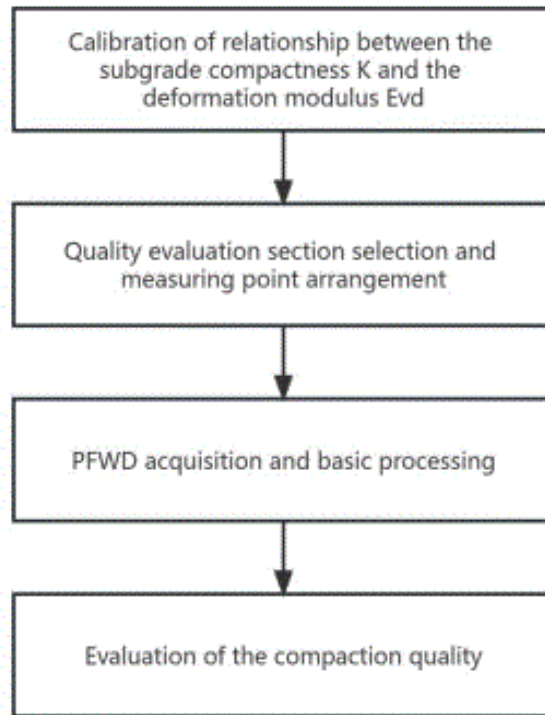
The invention relates to an exercise cardiopulmonary tester, in particular to an exercise physiology telemetry exercise cardiopulmonary tester. The purpose of the invention is to provide an exercise physiology telemetry exercise cardiopulmonary tester that can keep the lead wire in a slightly tight state and avoid athletes pulling on the lead wire. The invention relates to an exercise physiology telemetry exercise cardiopulmonary tester, which comprises a tester body, a mounting frame, a door plate, a transparent plate, etc. The middle of the top of the tester body is connected with a mounting frame, and the front side of the tester body is connected with a door plate. A transparent plate is connected to the door plate. The conveyor belt of the invention enables athletes to perform cardiopulmonary tests while running. The sliding block can slowly pull the lead wire away, so that the lead wire is in a slightly straight state, which can prevent athletes from pulling the lead wire during exercise.



21: 2023/10627. 22: 2023/11/16. 43: 2024/05/16
 51: E02D
 71: Changchun Jianye Group Co., Ltd., Harbin Institute of Technology, Changchun Runde Investment Group Co., Ltd
 72: Shida CHEN, Long WANG, Qiang FU, Fengxia JIANG, Guangtao ZHAO, Xiaoguang XIE, Yuli CHANG, Daying ZHANG, Youchang ZHANG, Zhiqiang Wang, Jiashu LI
54: RAPID DETECTION AND EVALUATION METHOD FOR THE COMPACTION QUALITY OF THE INORGANIC STABILIZED GRANULAR BASE OF THE ROAD

00: -
 The invention discloses a rapid detection and evaluation method for the compaction quality of the inorganic stabilized granular base of road, which belongs to the field of road engineering material performance detection and construction quality control. By using PFWD to detect the deformation modulus E_{vd} of the base material under different compaction degrees, the relationship between compaction degree K and E_{vd} is established, according to the compaction degree standard, the detection standard E_{vd0} under different compaction degrees is proposed. According to E_{vdi} detected by the production section, the representative value

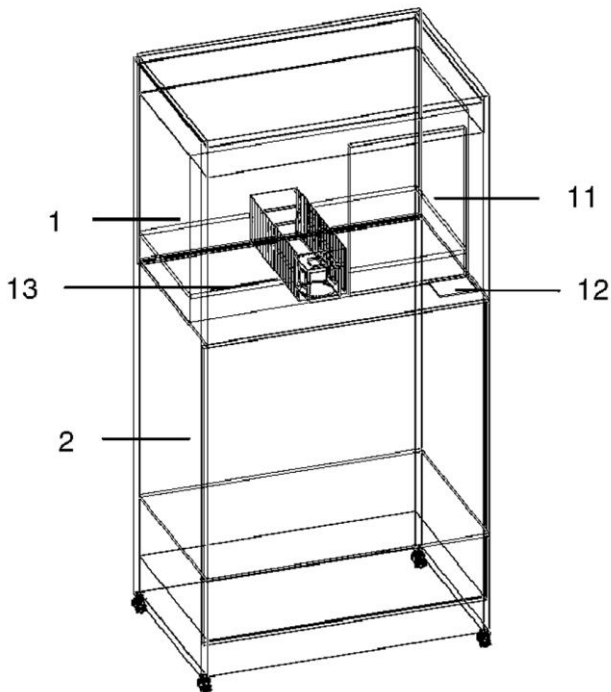
E_{vdp} of the section is calculated, and the compaction quality of the section is evaluated according to the proposed evaluation principle. The invention adopts the above-mentioned rapid detection and evaluation method for the compaction quality of the inorganic stabilized granular base of the road, which is used to quickly and non-destructively evaluate the compaction quality of granular base materials in road engineering during the construction quality control process of road granular base.



21: 2023/10629. 22: 2023/11/16. 43: 2024/05/16
 51: G01S; H04N
 71: GUIZHOU MEDICAL UNIVERSITY
 72: LIU, Yanjie, LV, Qing, JIANG, Dewen, LI, Bin
54: UNMANNED SPECIMEN AUTOMATIC RECEIVING PLATFORM AND CLASSIFICATION METHOD

00: -
 Provided are unmanned specimen automatic receiving platform and classification method. In the unmanned specimen automatic receiving platform, a main control board is connected to a specimen identification plate, a rotary platform, an RFID reader, and a specimen putting port are arranged in

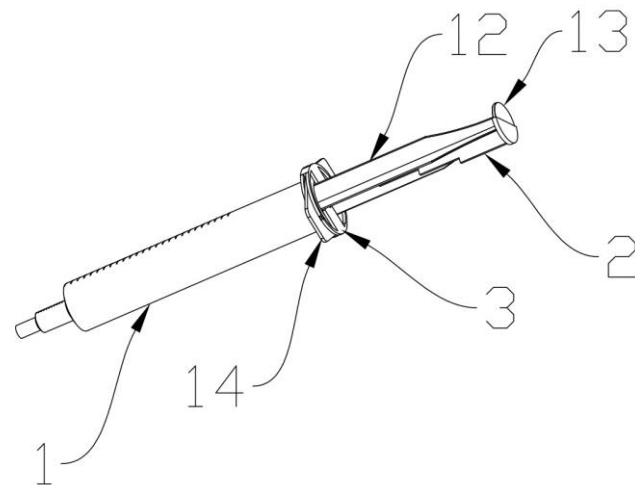
the specimen identification plate, and the RFID reader is used to read barcode information; the specimen identification plate and a conveyor belt are connected and positioned on the same axis to form a specimen conveying channel, the conveyor belt is communicated with a storage system, a sorting mechanical arm is arranged on the conveyor belt, and the conveyor belt is connected to a specimen storage cabinet. The unmanned specimen automatic classification method comprises steps as follows: an identity card is placed on a scanner, information and a test item of a patient are extracted, and a specimen is placed into the putting port; the RFID reader reads label information, transmits the read data to the main control board to analyze and process the specimen information, and obtains information such as a type of the specimen and a corresponding storage cabinet; and the specimen is transported forward along the conveyor belt and travels to a position of the corresponding storage cabinet, and sorting information is sent to the main control board to record a quantity of specimens.



21: 2023/10655. 22: 2023/11/17. 43: 2024/05/17
 51: A61J
 71: PEOPLE'S HOSPITAL OF ANSHUN CITY GUIZHOU PROVINCE
 72: Yong Xiang

54: A NEGATIVE PRESSURE SUCTION FIXTURE

00: -
 A negative pressure suction fixture, including a syringe, the syringe includes a cylinder and a push rod, the end of the push rod is provided with a push plate, and the end of the cylinder is provided with a wing plate, wherein including a push rod fixture; the push rod fixing includes a stepped lock and a clip ring; the end of the stepped lock is provided with a push plate sleeve, and is detachably connected to the push plate through the push plate sleeve; the present invention can effectively fix the position of the syringe push rod, thereby maintaining a stable negative pressure in the empty needle, the present invention has a simple structure, is easy to use, has low production cost, and can be widely used clinically.

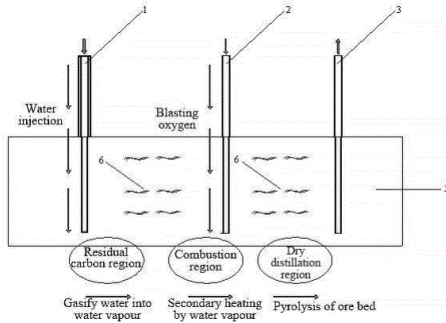


21: 2023/10656. 22: 2023/11/17. 43: 2024/05/17
 51: E21B

71: Huating Coal Industry Group Chicheng Coal Mine Co., Ltd.

54: METHOD FOR EXPLOITING OIL AND GAS PRODUCTS FROM UNDERGROUND THIN AND MEDIUM-THICK OIL SHALE ORE BEDS THROUGH PYROLYSIS

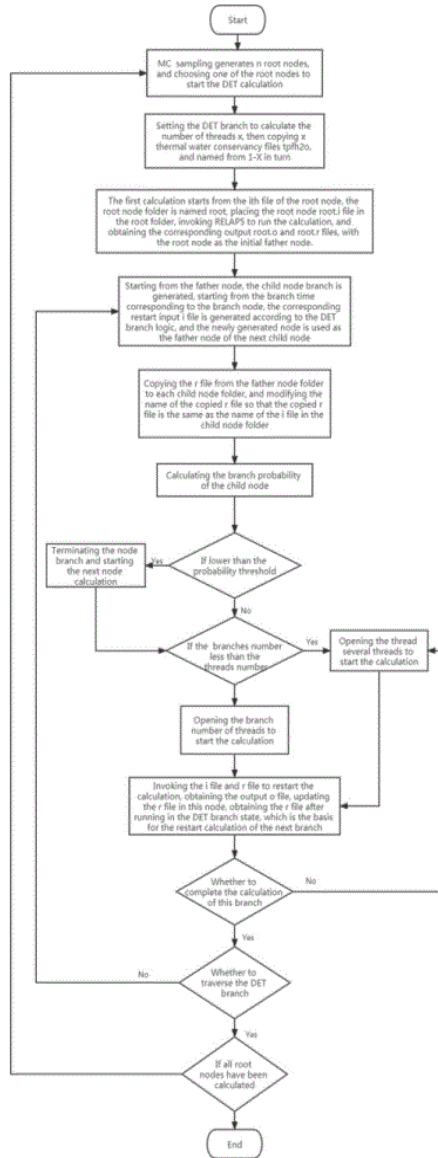
00: -
 The present invention relates to a method for exploiting oil and gas products from underground thin and medium-thick oil shale ore beds through pyrolysis, which solves the problems of the existing art of in situ exploiting thin and medium-thick oil shale ore beds, in which the cost of pitshaft design is too high and the large amount of heat of pyrolyzed ore beds cannot be effectively utilized.



21: 2023/10662. 22: 2023/11/17. 43: 2024/05/17
51: G21D

71: Harbin Engineering University
72: Lei LI, He WANG, Haoyi CHEN, Qiang ZHAO
33: CN 31: 2022114815426 32: 2022-11-24
54: A SAFETY ANALYSIS METHOD FOR NUCLEAR POWER PLANTS USING RELAP5 AND MCDET COUPLED PARALLEL COMPUTING AND DET BRANCH TRUNCATION IS PROPOSED
00: -

The invention discloses a nuclear power plant safety analysis method using RELAP5 and MCDET coupled parallel computing and DET branch truncation. The method includes configuring the corresponding RELAP5 thermal hydraulic file according to the set number of running threads; the input i file is generated according to the MC sampling and DET branch rules. In the DET branch process, RELAP5 is invoked according to the branch state of each node and the probability of each DET branch is calculated and the process with minimal branch probability is truncated. In this application, the root node selection is realized by using MC (Monte Carlo) random sampling method, the calculation efficiency is improved by coupling MCDET with RELAP5 program and parallel computing, at the same time, in order to reduce the calculation amount, the DET branch with extremely low probability of occurrence is truncated and its calculation consumption is stopped, this method can reduce the calculation time while ensuring the calculation accuracy, which is an important improvement and improvement in the safety and safety analysis method of nuclear power plants.

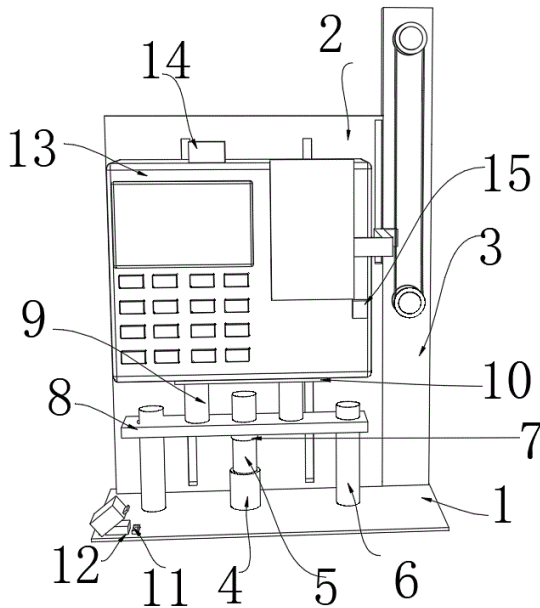


21: 2023/10665. 22: 2023/11/17. 43: 2024/05/17
51: G07C

71: Zhejiang Normal University
72: Li Jiayu, Zhao Lili
54: ATTENDANCE DEVICE FOR HIGHER EDUCATION MANAGEMENT
00: -

The present invention discloses an attendance device for higher education management, and the device includes a base, specifically, an outer wall of an upper end of a rear side of the base is fixedly connected to a fixed plate, an outer wall of a right side of the fixed plate is fixedly connected to a connecting plate, and the connecting plate is fixedly connected to the base. According to the present

invention, a movable plate moves up and down to make a punch clock move up and down, so that the device is finely adjusted in height, and it is convenient for users with different heights to use; and a Z-shaped plate is fixed on a left side of a belt to move up and down, so as to drive a baffle to move and avoid dust on fingerprints when the device is not used.

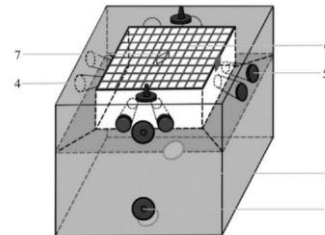


21: 2023/10693. 22: 2023/11/20. 43: 2024/05/17
51: A01K

71: Jishou University
72: DENG, Huajuan, LI, Linbei, LIU, Zhixiao
54: DEVICE FOR COLLECTING, TEMPORARILY KEEPING, AND TRANSPORTING LIVING SPECIMENS OF LEECHES

00: -
The present invention provides a device for collecting, temporarily keeping, and transporting living specimens of leeches, including a trapping and keeping apparatus, a detachable temperature control protective device, and a position regulator. The trapping and keeping apparatus internally includes an attracting structure and a collecting structure. A plurality of attracting channels of the attracting structure are connected to an outer side of the trapping and keeping apparatus and an inner side of the collecting structure. A lid is arranged at an opening of each of the attracting channels outside the trapping and keeping apparatus. The collecting structure is opened at the top of the

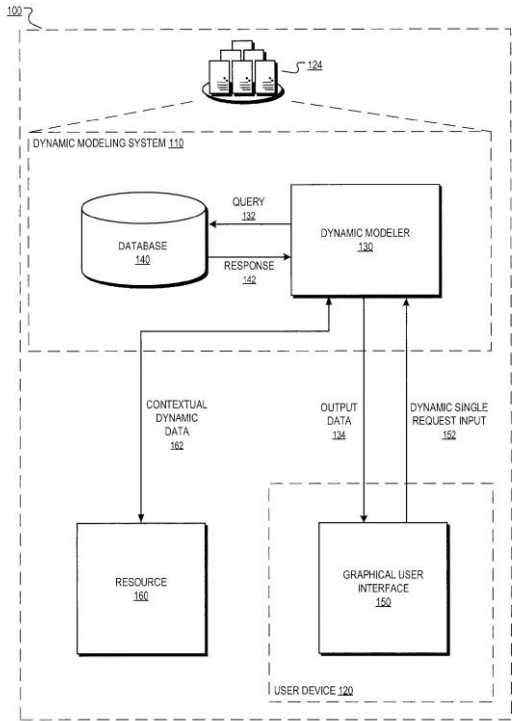
trapping and keeping apparatus and is provided with a fine-mesh ventilation door. Connecting structures are arranged on the top wall, the side wall, and the bottom wall of the trapping and keeping apparatus and can be fixedly connected to the position regulator.



21: 2023/11503. 22: 2023/12/14. 43: 2024/04/18
51: G06F; G06Q
71: HAMZE, Hayssam
72: HAMZE, Hayssam
33: US 31: 16/835,066 32: 2020-03-30
33: US 31: 16/919,764 32: 2020-07-02
33: US 31: 17/129,808 32: 2020-12-21
33: US 31: 17/191,656 32: 2021-03-03
33: US 31: 17/216,397 32: 2021-03-29

54: DYNAMIC MODELER

00: -
Methods, systems, and apparatus, including computer programs encoded on computer storage media, for dynamically modeling a page using dynamic data. One of the methods includes receiving a first dynamic input request with corresponding contextual inputs comprising data characterizing a single dynamic first event of a main task; generating, in response to the first dynamic input request, a dynamic smart interface responding to the contextual inputs; generating, in response to the first dynamic input request, a model comprising a single shared dynamic control load and dynamic data load responding to the contextual inputs; receiving a second dynamic input request comprising data characterizing a single dynamic final event of the main task; triggering, in response to the second dynamic input request, a dynamic process comprising a rule monitor, a smart task generator, and a smart contract; and presenting, to a user in response to the second dynamic input request, dynamic rule options.



21: 2023/11509. 22: 2023/12/14. 43: 2024/04/18

51: G06F; G06Q

71: HAMZE, Hayssam

72: HAMZE, Hayssam

33: US 31: 16/835,066 32: 2020-03-30

33: US 31: 16/919,764 32: 2020-07-02

33: US 31: 17/129,808 32: 2020-12-21

33: US 31: 17/191,656 32: 2021-03-03

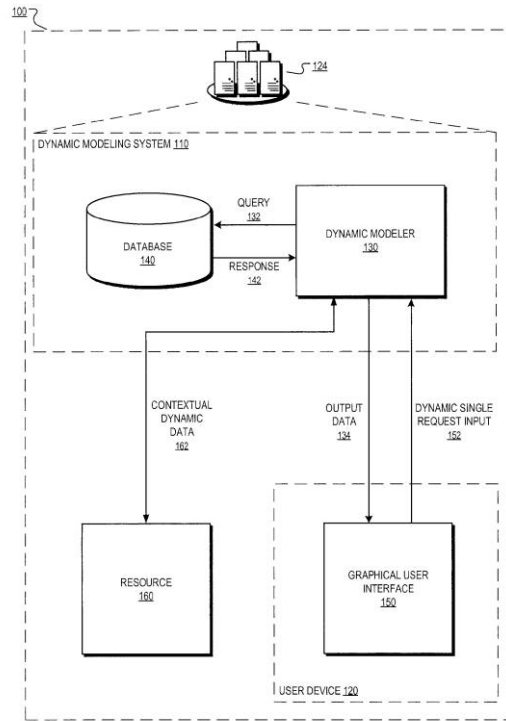
33: US 31: 17/216,397 32: 2021-03-29

54: DYNAMIC MODELER

00: -

Methods, systems, and apparatus, including computer programs encoded on computer storage media, for dynamically modeling a page using dynamic data. One of the methods includes receiving a first dynamic input request with corresponding contextual inputs comprising data characterizing a single dynamic first event of a main task; generating, in response to the first dynamic input request, a dynamic smart interface responding to the contextual inputs; generating, in response to the first dynamic input request, a model comprising a single shared dynamic control load and dynamic data load responding to the contextual inputs; receiving a second dynamic input request comprising data characterizing a single dynamic final event of the main task; triggering, in response to the second dynamic input request, a dynamic process

comprising a rule monitor, a smart task generator, and a smart contract; and presenting, to a user in response to the second dynamic input request, dynamic rule options.



21: 2023/11510. 22: 2023/12/14. 43: 2024/04/18

51: G06F; G06Q

71: HAMZE, Hayssam

72: HAMZE, Hayssam

33: US 31: 16/835,066 32: 2020-03-30

33: US 31: 16/919,764 32: 2020-07-02

33: US 31: 17/129,808 32: 2020-12-21

33: US 31: 17/191,656 32: 2021-03-03

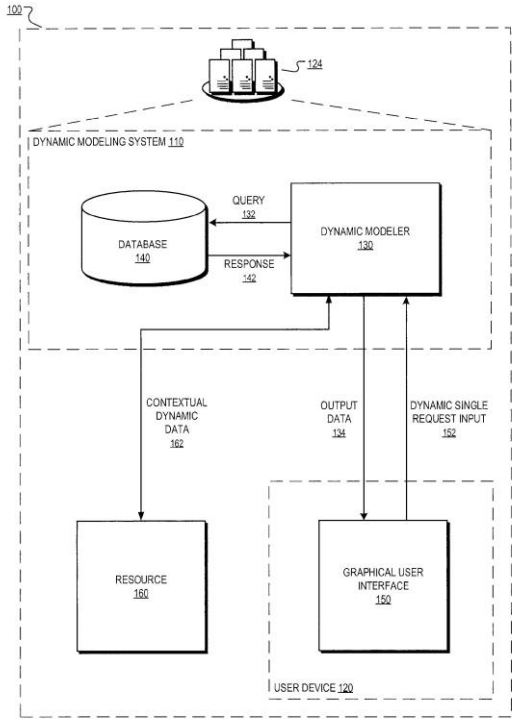
33: US 31: 17/216,397 32: 2021-03-29

54: DYNAMIC MODELER

00: -

Methods, systems, and apparatus, including computer programs encoded on computer storage media, for dynamically modeling a page using dynamic data. One of the methods includes receiving a first dynamic input request with corresponding contextual inputs comprising data characterizing a single dynamic first event of a main task; generating, in response to the first dynamic input request, a dynamic smart interface responding to the contextual inputs; generating, in response to the first dynamic input request, a model comprising a single shared dynamic control load and dynamic

data load responding to the contextual inputs; receiving a second dynamic input request comprising data characterizing a single dynamic final event of the main task; triggering, in response to the second dynamic input request, a dynamic process comprising a rule monitor, a smart task generator, and a smart contract; and presenting, to a user in response to the second dynamic input request, dynamic rule options.



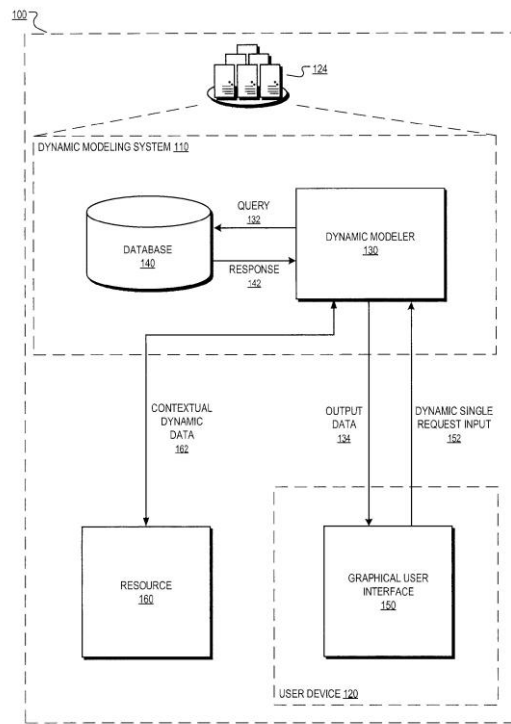
21: 2023/11511. 22: 2023/12/14. 43: 2024/04/18
 51: G06F; G06Q
 71: HAMZE, Hayssam
 72: HAMZE, Hayssam

33: US 31: 16/835,066 32: 2020-03-30
 33: US 31: 16/919,764 32: 2020-07-02
 33: US 31: 17/129,808 32: 2020-12-21
 33: US 31: 17/191,656 32: 2021-03-03
 33: US 31: 17/216,397 32: 2021-03-29

54: DYNAMIC MODELER

00: -
 Methods, systems, and apparatus, including computer programs encoded on computer storage media, for dynamically modeling a page using dynamic data. One of the methods includes receiving a first dynamic input request with corresponding contextual inputs comprising data characterizing a single dynamic first event of a main

task; generating, in response to the first dynamic input request, a dynamic smart interface responding to the contextual inputs; generating, in response to the first dynamic input request, a model comprising a single shared dynamic control load and dynamic data load responding to the contextual inputs; receiving a second dynamic input request comprising data characterizing a single dynamic final event of the main task; triggering, in response to the second dynamic input request, a dynamic process comprising a rule monitor, a smart task generator, and a smart contract; and presenting, to a user in response to the second dynamic input request, dynamic rule options.



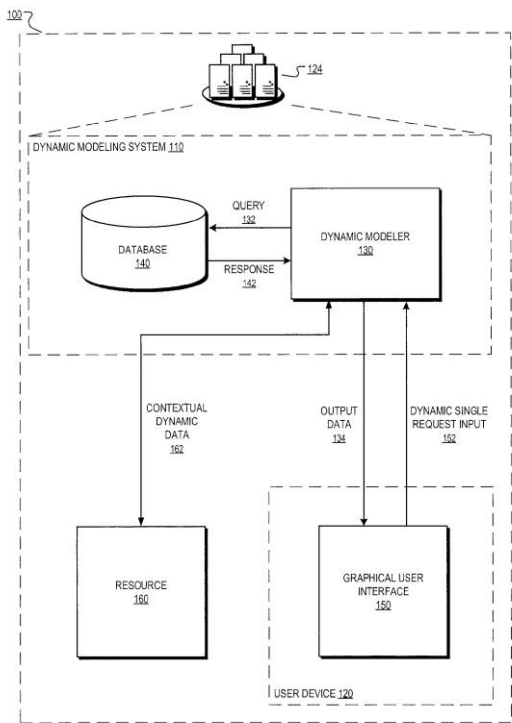
21: 2023/11512. 22: 2023/12/14. 43: 2024/04/18
 51: G06F; G06Q
 71: HAMZE, Hayssam
 72: HAMZE, Hayssam

33: US 31: 16/835,066 32: 2020-03-30
 33: US 31: 16/919,764 32: 2020-07-02
 33: US 31: 17/129,808 32: 2020-12-21
 33: US 31: 17/191,656 32: 2021-03-03
 33: US 31: 17/216,397 32: 2021-03-29

54: DYNAMIC MODELER

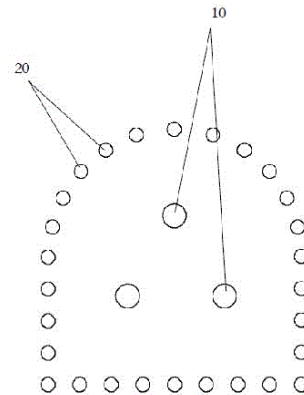
00: -
 Methods, systems, and apparatus, including computer programs encoded on computer storage

media, for dynamically modeling a page using dynamic data. One of the methods includes receiving a first dynamic input request with corresponding contextual inputs comprising data characterizing a single dynamic first event of a main task; generating, in response to the first dynamic input request, a dynamic smart interface responding to the contextual inputs; generating, in response to the first dynamic input request, a model comprising a single shared dynamic control load and dynamic data load responding to the contextual inputs; receiving a second dynamic input request comprising data characterizing a single dynamic final event of the main task; triggering, in response to the second dynamic input request, a dynamic process comprising a rule monitor, a smart task generator, and a smart contract; and presenting, to a user in response to the second dynamic input request, dynamic rule options.



21: 2024/00177. 22: 2020/03/20. 43: 2024/03/25
 51: E21D
 71: HYPERTUNNEL IP LIMITED
 72: JORDAN, Stephen
 33: GB 31: 1903979.1 32: 2019-03-22
54: METHOD AND SYSTEM OF CONSTRUCTING AN UNDERGROUND TUNNEL
 00: -

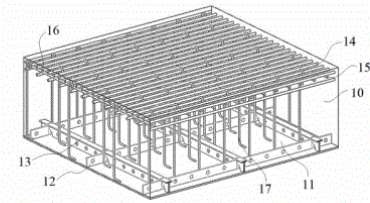
Long tunnels of many kilometres are likely to pass through a range of geologies which may cause problems. Conventional methods involve sampling the geology along a proposed tunnel's length and extrapolating from those samples. The present invention seeks to overcome the disadvantages of the prior art by: drilling a first bore 10 along a first predetermined path, the first bore having a length of at least 25m; drilling a plurality of second bores 20 along respective second predetermined paths, each substantially parallel to the first predetermined path in order to define a substantially prism-shape region therebetween; and excavating material within the substantially prism-shape region to form a tunnel.



21: 2024/00579. 22: 2024/01/17. 43: 2024/04/18
 51: E02D
 71: CCCC HIGHWAY PLANNING AND DESIGN INSTITUTE CO., LTD
 72: XU, Guoping, LIU, Minghu, WANG, Yong, XU, Yu, REN, Yaopu, ZHANG, Haijia
 33: CN 31: 202211105392.9 32: 2022-09-09
54: COMPOSITE STEEL PLATE AND CONCRETE STRUCTURE OF TUBE JOINT FOR IMMERSED TUBE TUNNEL AND MANUFACTURING METHOD THEREFOR

00: -
 The present invention relates to the technical field of immersed tube tunnels, and provides a composite steel plate and concrete structure of a tube joint for an immersed tube tunnel and a manufacturing method therefor. The composite structure includes: a top plate structure, an external wall structure, a middle wall structure, and a bottom plate structure. The top plate structure is provided with an opening part, the top plate structure includes a steel plate assembly, connectors, and steel bars, the steel bars

and the steel plate assembly are connected by means of the connectors so as to form a skeleton structure, and concrete is poured into the skeleton structure via the opening part. The external wall structure, the middle wall structure and the bottom plate structure each include a closed clad steel housing, and concrete is poured into the closed clad steel housing.



21: 2024/01817. 22: 2024/03/01. 43: 2024/03/14
51: G06K

71: ZHEJIANG NORMAL UNIVERSITY

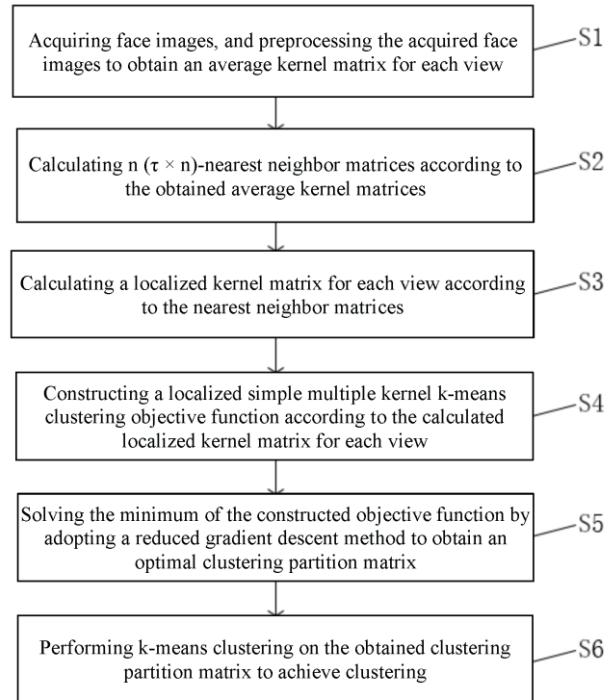
72: ZHU, Xinzhong, XU, Huiying, LI, Miaomiao, ZHANG, Yi, YIN, Jianping

33: CN 31: 202110940777.6 32: 2021-08-17

54: FACE IMAGE CLUSTERING METHOD AND SYSTEM BASED ON LOCALIZED SIMPLE MULTIPLE KERNEL K-MEANS

00: -

The present application discloses a face image clustering method and system based on a localized simple multiple kernel k-means. The face image clustering method based on localized simple multiple kernel k-means comprises the following steps: S1, acquiring face images, and preprocessing the acquired face images to obtain an average kernel matrix for each view; S2, calculating $n(\tau \times n)$ -nearest neighbor matrices according to the obtained average kernel matrices; S3, calculating a localized kernel matrix for each view according to the nearest neighbor matrices; S4, constructing a localized simple multiple kernel k-means clustering objective function according to the calculated localized kernel matrix for each view; S5, solving a minimum of the constructed objective function by adopting a reduced gradient descent method to obtain an optimal clustering partition matrix; and S6, performing k-means clustering on the obtained clustering partition matrix to achieve clustering.



21: 2024/01873. 22: 2024/03/05. 43: 2024/03/27
51: G06F

71: China Construction Industrial & Energy Engineering Group Co., Ltd.

72: Yunhua ZHANG, Qingjiang XU, Changsha LIU, Zhihong SONG, Jie LIU, Xuanyi CHEN, Junsheng QIN, Qing HUANG, Xiaocheng FEI, Rongrong BAI, Xiangchao WANG, Chaoming ZHANG

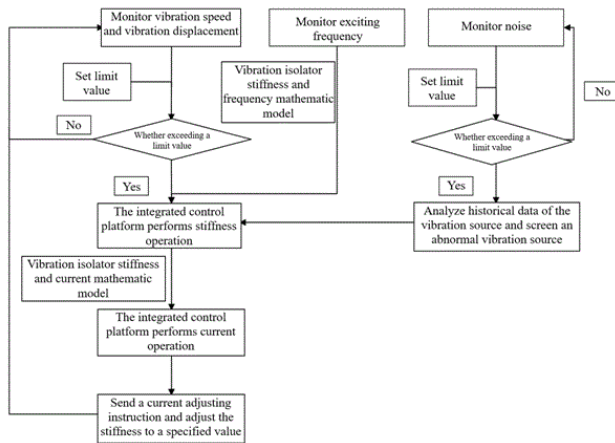
33: CN 31: 202210776520.6 32: 2022-07-04

54: LORA COMMUNICATION-BASED DISTRIBUTED VARIABLE DAMPING COMPOSITE VIBRATION REDUCTION SYSTEM AND VIBRATION REDUCTION METHOD

00: -

Provided is a LoRa communication-based distributed variable damping composite vibration reduction system and a vibration reduction method. Modal analysis and harmonic response analysis are performed based on a finite element technology. Vibration isolator selection software in an integrated control platform is used to analyze a vibration isolation effect and jointly guide vibration isolator selection. According to the present invention, a spring magnetic fluid composite vibration isolator and a rubber magnetic fluid vibration isolator are designed respectively for a power device and a pipeline; a monitoring device integrated with a LoRa wireless transmission technology is used to transmit data to the integrated control platform; parameters

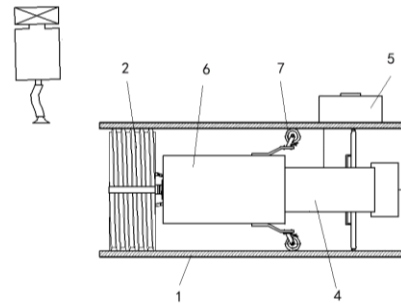
are observed, set and regulated and controlled on line by the integrated control platform; a mathematic relationship model between a stiffness and a current is established; a programmable logic controller (PLC) is used for targeted programming according to a control requirement; and an automatic vibration control system is established through PID feedback control, so that the intelligent and visual management of machine room vibration and noise control is realized, and a vibration reduction control mode combining active control with passive control is realized.



21: 2024/02779. 22: 2024/04/10. 43: 2024/04/18
 51: B08B
 71: SHENYANG UNIVERSITY OF TECHNOLOGY
 72: WANG Wei, JIANG Qingyu, LIU Weijun, BIAN Hongyou, YUAN Zewei, WEI You, LI Xiangjin
 33: CN 31: 2022111570817 32: 2022-09-22
54: LASER CLEANING DEVICE FOR CLEANING INNER WALL OF OIL PIPELINE
 00: -

The invention provides a laser cleaning device for cleaning inner wall of oil pipeline, which comprises a pipeline, a traveling structure, a driving structure, a cleaning structure, a dust removal structure and a supporting housing, wherein the driving structure is arranged in the inner cavity of the supporting housing, the traveling structure is connected with one end of the driving structure, and both the traveling structure and the supporting housing are in contact with the inner side wall of the pipeline, so that the driving structure drives the traveling structure to move inside the pipeline, So that the driving structure drives the cleaning structure to rotate and clean the inner side wall of the pipeline;

the dust removal structure is arranged on the pipeline; and the traveling structure comprises a transmission shaft, a rotating shaft core, a plurality of traveling lobes, a plurality of supporting rods, a sleeve, a plurality of wheel diameter adjusting claws, a threaded rod and an adjusting nut, which can solve the problems that the existing pipeline cleaning device not only damages and pollutes the pipeline during cleaning, but also cannot change according to the diameter change of the pipeline, and is inconvenient to use and universal.

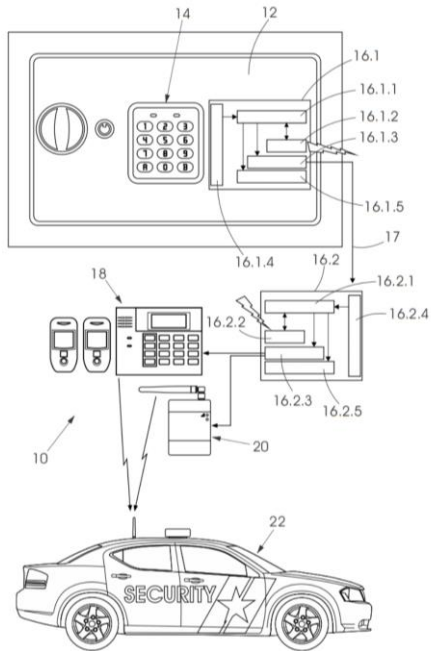


21: 2024/02810. 22: 2024/04/11. 43: 2024/04/26
 51: E05B; E05G; G08B

71: DE WITT, Sarel Jacobus, VERMEULEN, Vincent Robert
 72: DE WITT, Sarel Jacobus, VERMEULEN, Vincent Robert
54: PANIC TRANSCIVER SYSTEM FOR A SAFE
 00: -

The invention relates to an alarm signal transceiver system configured to interface with an electronic safe that includes programmable logic means, including a digital keypad unlocking mechanism by which an unlocking code previously stored in the safe programmable logic means may be entered to unlock the safe. The system comprises at least one first transceiver module which includes programmable logic means, a communications interface configured for communication between the safe and the transceiver module and a communications interface configured for communication between the transceiver module and an external emergency response network. The transceiver module programmable logic means is programmed, when the transceiver module is interfaced with the safe, to compare a digital code entered on the keypad with stored unlocking and duress codes. When a duress code is entered, the

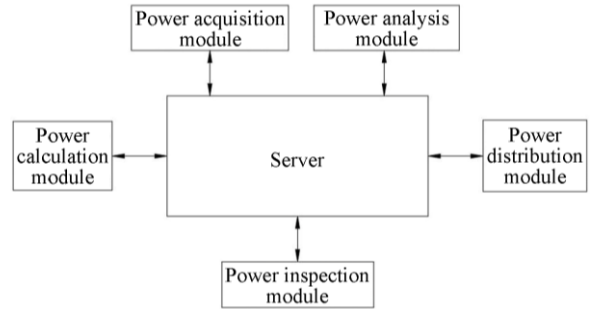
transceiver module programmable logic means is programmed to transmit a covert alarm signal to the external emergency response network.



21: 2024/02937. 22: 2024/04/16. 43: 2024/04/26
 51: H02J
 71: ZHEJIANG ZHENENG ENERGY SERVICE CO., LTD.
 72: ZHANG, Chengyu, YANG, Hua, SUN, Chengfu, XU, Erfeng, ZHOU, Chong
 33: CN 31: 2023101933414 32: 2023-03-03
54: POWER CONTROL METHOD AND SYSTEM BASED ON LARGE-SCALE POWER FLOW
 00: -

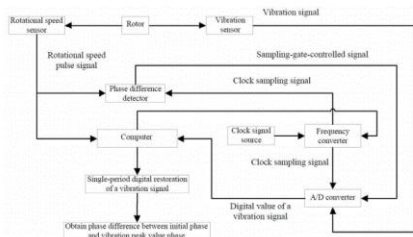
The present disclosure provides a power control method and system based on a large-scale power flow, the method specifically includes: acquiring power information in a power flow process, transmitting the power information to a data analysis module, and receiving, by the data analysis module, the power information for analysis to obtain power running parameters; transmitting the power running parameters to a power calculation module, and receiving, by the power calculation module, the power running parameters for calculation to obtain a power running change value; and Transmitting the power running change value to the data analysis module, and analyzing a power running change feature by the data analysis module based on the

power running change value, to obtain an analysis result.



21: 2024/02971. 22: 2024/04/17. 43: 2024/04/26
 51: G01M
 71: TANGSHAN UNIVERSITY
 72: JIA, Zhaomin, MA, Zhuang, GONG, Cheng, XUE, Yali
 33: CN 31: 2023108456609 32: 2023-07-11
54: ROTOR DYNAMIC BALANCE MEASUREMENT METHOD BASED ON HIGH-PRECISION CLOCK SAMPLING
 00: -

A rotor dynamic balance measurement method based on high-precision clock sampling. The technical solution comprises: respectively measuring the rotation speed and vibration of a rotor by using a rotation speed sensor and a vibration sensor, and generating a rotation speed pulse signal and a vibration signal; a computer controlling a clock sampling signal and the rotation speed pulse signal to have relationships of having the same nominal frequency value and having a small frequency difference; forming a sampling gate of the vibration signal by using a high-resolution stable gradient phase difference between the two signals, and thereby overcoming a counting error of plus or minus 1 pulses; and performing sampling on the vibration signal by using the clock sampling signal and by means of an analog-to-digital converter, such that phase change information and amplitude change information are completely sampled within a sampling period of the vibration signal.

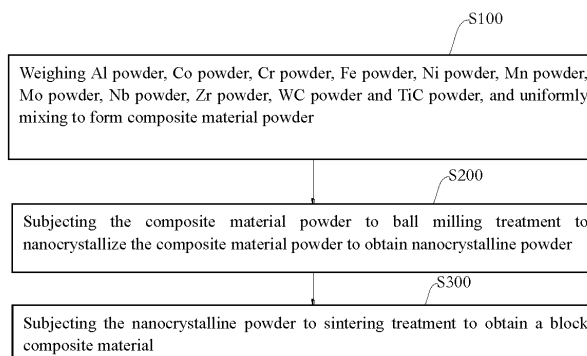


21: 2024/03009. 22: 2024/04/18. 43: 2024/04/26
 51: A01N; C05G
 71: GUANGXI FORESTRY RESEARCH INSTITUTE, GUANGXI STATE-OWNED LIUWAN FOREST FARM
 72: Naixiu HUANG, Quanwu ZHANG, Hai WU, Yongsheng DENG, Shaoxin ZHENG, Jiakun PENG, Wangjiao LIAO, Xiaogang MO, Jinglun HUANG, Jiebiao CHEN, Dongxia ZOU, Yating ZHONG, Pengfei ZHAO
 33: CN 31: 202310573013.7 32: 2023-05-20
54: A PRESCRIPTION FOR TREATING OCTAGONAL ANTHRAX
 00: -

The present invention discloses a prescription for treating octagonal anthrax, which relates to the field of pesticide technology for plant disease prevention and control, and the prescription is composed of three components: A, B, and C, in which each component is prepared and stored separately, and when in use, each component is added to a water container to make the concentration of A, B, and C components in the aqueous solution reach 1000ppm, 2000ppm, and 5000ppm, respectively. The active ingredient materials contained in component A are: difenoconazole, prochloraz, and avermectin; The active ingredient materials contained in component B are: N, P, K, Ca, Mg, B, Cu, Zn nutritional elements; The active ingredient materials contained in component C are: Artemisia argyi, Phellodendron chinensis, licorice, honeysuckle, aconite, Shegan, Coptis chinensis, and Atractylodes macrocephala. The present invention effectively controls the development and spread of diseases by spraying medicinal liquid on already diseased star anise plants to resist and kill the pathogenic bacteria that live on them, thereby achieving the treatment of diseases and ensuring normal plant growth. The material of this prescription is easily available and the preparation process is simple.

21: 2024/03015. 22: 2024/04/18. 43: 2024/04/26
 51: B22F; C22C; B82Y
 71: CHANGSHU TIANDI COAL MINING EQUIPMENT CO., LTD., CHINA UNIVERSITY OF MINING AND TECHNOLOGY
 72: DAI, Jianping, CHEN, Zheng, CHEN, Xuan, FAN, Yu, WANG, Yeqing, XUE, Yu, CHENG, Chunlong, WANG, Lin, XU, Jie, LIU, Kun
 33: CN 31: 202210609918.0 32: 2022-05-31
54: EMBEDDED PARTICLE-REINFORCED HIGH-ENTROPY ALLOY-BASED SUPERHARD NANOCOMPOSITE MATERIAL AND PREPARATION METHOD THEREOF
 00: -

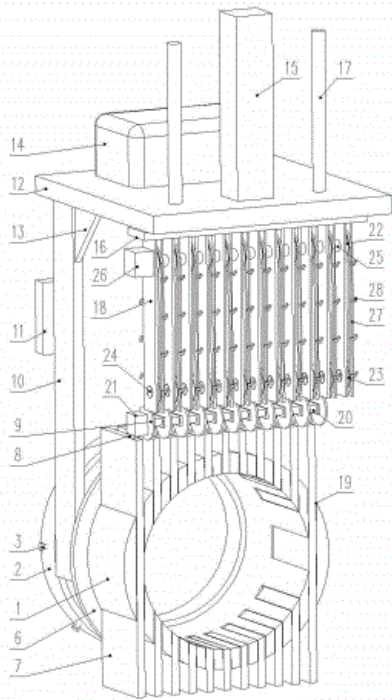
The present disclosure provides an embedded particle-reinforced high-entropy alloy-based superhard nanocomposite material and a preparation method thereof, and relates to the technical field of metal-based composite materials. A reinforcing-phase particle in the composite material has good wettability with a high-entropy alloy matrix, and has good interface bonding, so that the wear resistance of the composite material can be improved, and the reinforcing-phase particle can be effectively prevented from falling off during friction. The composite material includes the high-entropy alloy matrix and the reinforcing-phase particle dispersed in the high-entropy alloy matrix. The high-entropy alloy matrix includes a basic matrix and a reinforcing matrix. The basic matrix includes Al, Co, Cr, Fe, Ni and Mn. The reinforcing matrix includes Mo, Nb and Zr. The reinforcing-phase particle includes WC and TiC.



21: 2024/03103. 22: 2024/04/22. 43: 2024/04/26
 51: E01F
 71: CHINA HIGHWAY ENGINEERING CONSULTANTS CORPORATION
 72: YUAN, Renfeng, ZANG, Zhishu, WANG, Yumei

33: CN 31: 202211230757.0 32: 2022-10-10
54: PIPE CULVERT BLOCKAGE PREVENTING APPARATUS FOR ROAD ENGINEERING

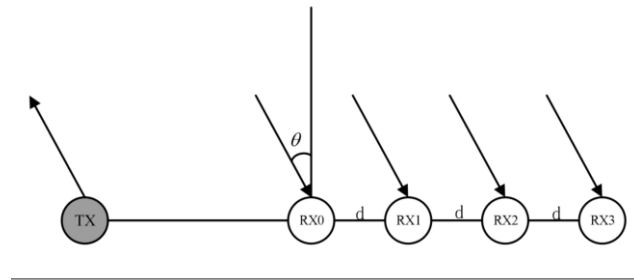
00: -
 Disclosed in the present invention is a pipe culvert blockage preventing apparatus for road engineering, comprising a cylinder body, wherein a connecting ring is fixed at one end of the cylinder body. The apparatus can be directly mounted on existing built pipe culverts for use. When the apparatus is mounted at a water inlet fracture of a pipe culvert, an electric telescopic rod, a first electric telescopic rod, a motor and a first motor intermittently operate in sequence under the action of a PLC; and when the electric telescopic rod, the first electric telescopic rod, the motor and the first motor operate in sequence, and a plurality of L-shaped rods on a belt continuously hook debris pushed out of the side ends of inserting plates and transfer same towards cutting disks.



21: 2024/03145. 22: 2024/04/23. 43: 2024/04/26
 51: G01S; G08G; H01Q
 71: TECH TRAFFIC ENGINEERING GROUP CO., LTD., XIDIAN UNIVERSITY
 72: TAN, Xiaogang, ZHANG, Wei, PENG, Min, ZHAO, Jing, ZHANG, Zhihong, YANG, Kai, LIU, Yonghong, YAN, Zihang, QIN, Zihao

33: CN 31: 202310854914.3 32: 2023-07-12
54: RADAR SYSTEM FOR TRAFFIC DYNAMIC TARGET DETECTION BASED ON TDM-MIMO

00: -
 A radar system for traffic dynamic target detection based on TDM-MIMO is disclosed by the present disclosure which relates to the field of radar detection technology including a microstrip array antenna unit, a radar RF front-end system, a signal processing unit, a radar data processing system and a tracking upper computer unit. The microstrip array antenna unit transmits and receives electromagnetic waves in different array modes, the radar RF front-end system processes the electromagnetic waves received by the microstrip array antenna unit, generates ADC signals, the signal processing unit processes the ADC signal to generate velocity information, distance information, the radar data processing system receives the raw data processed by the signal processing unit and tracks the target, the tracking upper computer unit displays the tracked target. The radar system for traffic dynamic target detection based on TDM-MIMO is provided by the present disclosure increases the gain of a radar transmitting and receiving antenna, increases the detection distance, improves the angle accuracy and angle resolution, and increase the stability of radar in long distance tracking.



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

OTHER NOTICES

Denmeyer & Associates Pty Ltd: Notice of change of physical address

OLD ADDRESS

Hyde Park Corner Offices, Suite 415. Corner of William Nicol and Jan Smuts Avenue, 2196 Johannesburg, South Africa

NEW ADDRESS

Office F8 26 Sturdee Avenue, Rosebank, 2196 Johannesburg, South Africa

3. DESIGNS

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

The particulars appear in the following sequence: Copies of the application and representations cannot be supplied until application is registered and advertised. In all correspondence reference should be made to the number of the application. Application number, full name of applicant, class, articles to which design is to be applied and priority date (if any)

. - APPLIED ON 2024/04/22 -

F2024/00385 - The Watalot Group Pty Ltd Class 32. PERSONALIZED GREETING CARD

A2024/00382 - BAD BIRDY (PTY) LTD Class 22. A WIND CUP FOR A BIRD DIVERTER

A2024/00381 - BAD BIRDY (PTY) LTD Class 22. A BIRD DIVERTER

F2024/00386 - THE WATALOT GROUP PTY LTD Class 32. PERSONALIZE GREETING CARD STRAIGHT CUTS

F2024/00383 - John Abraham Kotze jnr. Class 8. SOLAR PANEL CLAMP

A2024/00384 - ZYDUS LIFESCIENCES LIMITED Class 9. FLIP TOP CAP WITH STORAGE

. - APPLIED ON 2024/04/24 -

A2024/00391 - 180 DEGREES MARKETING (PTY) LTD Class 14. SCREEN DISPLAY

A2024/00389 - HANGZHOU EZVIZ SOFTWARE CO., LTD. Class 16. CAMERA

A2024/00394 - GALDERMA HOLDING SA Class 09. BOTTLE

A2024/00392 - 180 DEGREES MARKETING (PTY) LTD Class 14. SCREEN DISPLAY

A2024/00396 - GALDERMA HOLDING SA Class 09. BOTTLE

A2024/00390 - 180 DEGREES MARKETING (PTY) LTD Class 14. SCREEN DISPLAY

F2024/00387 - Albert Smith Class 07. FIRE EMBER HANDLING IMPLEMENT

A2024/00397 - GALDERMA HOLDING SA Class 09. BOTTLE

A2024/00393 - 180 DEGREES MARKETING (PTY) LTD Class 14. SET OF SCREEN DISPLAYS

A2024/00388 - HANGZHOU EZVIZ SOFTWARE CO., LTD. Class 16. CAMERA

A2024/00395 - GALDERMA HOLDING SA Class 09. BOTTLE

. - APPLIED ON 2024/04/25 -

A2024/00399 - Versuni Holding B.V. Class 07. MILK FROTHER

A2024/00398 - SMEG S.p.A. Class 10. SCALES

. - APPLIED ON 2024/04/26 -

A2024/00403 - TEMPUR WORLD, LLC Class 6. MATTRESS COVER

A2024/00402 - TEMPUR WORLD, LLC Class 6. MATTRESS COVER

A2024/00404 - TEMPUR WORLD, LLC Class 6. MATTRESS COVER

A2024/00400 - ZHENGZHOU SANHUA TECHNOLOGY & INDUSTRY CO., LTD. Class 15. COLOUR MIXING AND BLENDING MACHINE.

A2024/00401 - ZHENGZHOU SANHUA TECHNOLOGY & INDUSTRY CO., LTD. Class 15. COLOUR MIXING AND BLENDING MACHINE.

- APPLIED ON 2024/04/30 -

F2024/00413 - M and L Medical Suppliers CC t/a VIVA Medical Class 24. TUBE CONNECTOR

A2024/00408 - Omni United (S) PTE Ltd. Class 12. TYRES AND TYRE TREAD SIDEWALLS

F2024/00405 - HLUMELO NYALUZA Class 03. A HANDBAG

A2024/00407 - Omni United (S) PTE Ltd. Class 12. TYRES AND TYRE TREAD SIDEWALLS

A2024/00406 - HLUMELO NYALUZA Class 03. A HANDBAG

A2024/00410 - Beaute Prestige International Class 9. BOTTLES

A2024/00409 - Beaute Prestige International Class 9. BOTTLES

A2024/00411 - Beaute Prestige International Class 9. BOTTLES

A2024/00412 - M and L Medical Suppliers CC t/a VIVA Medical Class 24. TUBE CONNECTOR

- APPLIED ON 2024/05/02 -

A2024/00414 - ZHUHAI PANTUM ELECTRONICS CO., LTD. Class 18. TONER CARTRIDGE

A2024/00417 - Eli Lilly and Company Class 24. MEDICAL DEVICES

A2024/00419 - Eli Lilly and Company Class 24. MEDICAL DEVICES

A2024/00418 - Eli Lilly and Company Class 24. MEDICAL DEVICES

A2024/00415 - ZHUHAI PANTUM ELECTRONICS CO., LTD. Class 14. PROCESSING CARTRIDGE

A2024/00416 - Eli Lilly and Company Class 24. MEDICAL DEVICES

- APPLIED ON 2024/05/06 -

A2024/00427 - Eli Lilly and Company Class 20. LABELS

F2024/00424 - SYNERGISTEC (PTY) LTD Class 08. BALLAST

A2024/00432 - Eli Lilly and Company Class 20. LABELS

A2024/00431 - Eli Lilly and Company Class 20. LABELS

A2024/00433 - SOLEX JEWELLERY AND GEMSTONES LTD Class 11. A STATUE

F2024/00420 - The Watalot Group Pty Ltd Class 32. DIY CORNER CUTS GREETING CARD

A2024/00425 - Eli Lilly and Company Class 20. LABELS

A2024/00430 - Eli Lilly and Company Class 20. LABELS

F2024/00421 - The Watalot Group Pty Ltd Class 32. DIY OVAL CUTS GREETING CARD

A2024/00426 - Eli Lilly and Company Class 20. LABELS

A2024/00428 - Eli Lilly and Company Class 20. LABELS

A2024/00422 - Versuni Holding B.V. Class 07. AIR FRYERS

F2024/00423 - SYNERGISTEC (PTY) LTD Class 13. BALLAST

A2024/00429 - Eli Lilly and Company Class 20. LABELS

. - APPLIED ON 2024/05/08 -

F2024/00435 - Schematech (Pty) Ltd Class 8. SQUARE GLASS SPIGOT

A2024/00434 - SAVERGLASS Class 09. BOTTLE

A2024/00436 - Shoen Group (Pty) Ltd Class 2. SHOE SOLE

A2024/00437 - Shoen Group (Pty) Ltd Class 2. SHOE SOLE

F2024/00438 - TRUVAAL (PTY) LTD Class 26. PROFILE

. - APPLIED ON 2024/05/09 -

A2024/00441 - PVH Production A/S Class 25. CLADDING

F2024/00442 - NIENHUIS, Jan, Balster Class 13. SPACER BRACKET FOR MOUNTING SOLAR PANELS

A2024/00439 - PVH Production A/S Class 25. CLADDING

F2024/00445 - NIENHUIS, Jan, Balster Class 13. CORRUGATED ROOF RAIL FOR MOUNTING SOLAR PANELS

F2024/00444 - NIENHUIS, Jan, Balster Class 13. IBR ROOF EXTENDED RAIL FOR MOUNTING SOLAR PANELS

A2024/00440 - PVH Production A/S Class 25. CLADDING

F2024/00443 - NIENHUIS, Jan, Balster Class 13. IBR ROOF RAIL FOR MOUNTING SOLAR PANELS

F2024/00446 - NIENHUIS, Jan, Balster Class 13. ANTI-THEFT SOLAR PANEL BRACKET

. - APPLIED ON 2024/05/10 -

A2024/00448 - YETI COOLERS, LLC Class 7. CONTAINER OR BEVERAGE MAKER

F2024/00456 - VICTAULIC COMPANY Class 23. COUPLING SEGMENT

A2024/00449 - YETI COOLERS, LLC Class 7. CONTAINER OR BEVERAGE MAKER

A2024/00455 - VICTAULIC COMPANY Class 23. COUPLING SEGMENT

A2024/00452 - YETI COOLERS, LLC Class 7. BEVERAGE MAKER

A2024/00451 - YETI COOLERS, LLC Class 7. CONTAINER OR BEVERAGE MAKER

A2024/00453 - UNILEVER GLOBAL IP LIMITED Class 32. SYMBIOTIC DESIGN

F2024/00454 - VICTAULIC COMPANY Class 23. COUPLING SEGMENT

A2024/00450 - YETI COOLERS, LLC Class 7. CONTAINER OR BEVERAGE MAKER

A2024/00447 - VICTAULIC COMPANY Class 23. COUPLING SEGMENT

- APPLIED ON 2024/05/13 -

F2024/00457 - Raymond Christopher McLellan Class 10. WEIGHT ACTIVATED LOW LEVEL INDICATOR FOR LIQUID PETROLEUM GAS CYLINDAERS

- APPLIED ON 2024/05/14 -

F2024/00458 - ROUTE HOLDINGS (PTY) LTD Class 12. TRAILER

- APPLIED ON 2024/05/15 -

F2024/00459 - The Watalot Group Pty Ltd Class 32. DIY ROUND LIP CUT GREETING CARD BY THE WATALOT GROUP

F2024/00460 - The Watalot Group Ltd Class 32. DIY ROUND LIP CUT GREETING CARD BY THE WATALOT GROUP

- APPLIED ON 2024/05/16 -

F2024/00461 - Alora Medical (PTY) Ltd Class 24. RESPIRATORY DEVICE

- APPLIED ON 2024/05/17 -

A2024/00464 - WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED Class 06. CHAIR INCORPORATING ADORNED CERAMICS

A2024/00466 - Versuni Holding B.V. Class 07. ESPRESSO COFFEE MACHINE

A2024/00467 - Versuni Holding B.V. Class 07. ESPRESSO COFFEE MACHINE

A2024/00462 - GUANGDONG VOOMA HEATING EQUIPMENT CO., LTD. Class 07. PORTABLE BARBECUE GRILL

A2024/00465 - WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED Class 06. TABLE INCORPORATING STONE

A2024/00463 - WIID DESIGN ORIGINAL (PROPRIETARY) LIMITED Class 06. TABLE INCORPORATING ADORNED CERAMICS

A2024/00468 - Versuni Holding B.V. Class 07. ESPRESSO COFFEE MACHINE

- APPLIED ON 2024/05/20 -

F2024/00471 - CNC Rentals Pty Ltd Class 9. SEEDLING TRAY

A2024/00469 - WAHL CLIPPER CORPORATION Class 28. HAIR TRIMMER WITH GRIP

A2024/00470 - WAHL CLIPPER CORPORATION Class 28. HAIR TRIMMER WITH GRIP

- APPLIED ON 2024/05/21 -

F2024/00473 - Jason Blacklock Class 10. SET OF COMPONENTS FOR A SECURITY DEVICE

A2024/00474 - Tuckles (PTY) Ltd Class 31. LOGO

F2024/00477 - OSBORN, Simon Edward Class 25. PREFABRICATED BUILDING PARTS

A2024/00475 - La Marzocco S.r.l. Class 31. COFFEE MACHINES

A2024/00476 - BATHU SWAG (PTY) LIMITED Class 2. SNEAKERS

F2024/00472 - Jason Blacklock Class 8. SET OF COMPONENTS FOR A SECURITY DEVICE

- APPLIED ON 2024/05/22 -

A2024/00478 - VICTAULIC COMPANY Class 23. PIPE ADAPTER

F2024/00481 - VICTAULIC COMPANY Class 23. PIPE ADAPTER

A2024/00480 - VICTAULIC COMPANY Class 23. PIPE ADAPTER

F2024/00479 - VICTAULIC COMPANY Class 23. PIPE ADAPTER

A2024/00483 - MADAD PTY LTD Class 06. MATTRESS COIL SPRING WITH TIGHT TOP PITCH

F2024/00482 - MADAD PTY LTD Class 08. COIL SPRING WITH TIGHT TOP PITCH

- APPLIED ON 2024/05/23 -

A2024/00484 - BUSHEL PLUS LTD. Class 15. FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

F2024/00486 - VAN ACHT WINDOW MANUFACTURERS CC Class 25. CLADDING ANCHOR ASSEMBLY

F2024/00485 - BUSHEL PLUS LTD. Class 15. FRAME MEMBER FOR AGRICULTURAL COMBINE HARVESTER CONCAVES

- APPLIED ON 2024/05/24 -

A2024/00492 - Laboratoire Francais du Fractionnement et des Biotechnologies Class 9. BOXES

F2024/00487 - SANDVIK MINING AND CONSTRUCTION AUSTRALIA (PRODUCTION/SUPPLY) PTY LTD
Class 15. A DRILL BIT FOR CONSTRUCTION AND MINING MACHINES

F2024/00491 - POYNTING ANTENNAS (PTY) LIMITED Class 14. ANTENNA ASSEMBLY

A2024/00489 - VINDA MALAYSIA SDN BHD Class 2. OPEN TAPE DIAPER

A2024/00488 - TECHNICRETE ISG (PTY) LTD. Class 25. SET OF CONSTRUCTION ELEMENTS

F2024/00490 - POYNTING ANTENNAS (PTY) LIMITED Class 14. ANTENNA ASSEMBLY

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

Notice is hereby given that **MAN TRUCK & BUS AG of DACHAUER STRASSE 667, München, 80995, Germany** has made application for the restoration of the design registered to the said **MAN TRUCK & BUS AG** for the Design **BUSES** application number: **A2016/01308** date **07/09/2016** which become void on **07/03/2020** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

Registrar of Designs

Notice is hereby given that **MAN TRUCK & BUS AG of DACHAUER STRASSE 667, München, 80995, Germany** has made application for the restoration of the design registered to the said **MAN TRUCK & BUS AG** for the Design **BUSES** application number: **A2016/01309** date **07/09/2016** which become void on **07/03/2021** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

Registrar of Designs

Notice is hereby given that **BATES MINING SPECIALISTS (PTY) LIMITED 39 Chromium road, Uraniaville, Klerksdorp, South Africa** has made application for the restoration of the design registered to the said **BATES MINING SPECIALISTS (PTY) LIMITED** for the Design **SIGNALLING DEVICE CASING** application number: **F2016/01882** date **09/12/2016** which become void on **09/12/2019** due to non-payment of the prescribed renewal fee.

Any person may give notice on Design Form No 11 of opposition to restoration of the design within two months of the advertisement hereof.

Registrar of Designs

APPLICATION TO CORRECT AND/OR AMEND DESIGNS APPLICATION OR REGISTRATION

THE DESIGN APPLICATION TO BE CORRECTED OR AMENDED IS OPEN FOR PUBLIC INSPECTION. THE PARTICULARS TO BE PUBLISHED SHALL BE THOSE SET OUT IN PART 11 AN APPLICATION FOR CORRECTION OR AMENDMENT SO PUBLISHED MAY NOT BE INSPECTED AND MAY NOT BE OPPOSED.

PART 1

Design No. A2024/00343
 Applicant: RUSTAMJON MUSAV
 Class: 01
 Article to which the Design is to be applied: AN ICE-CREAM CUP
 Date of lodgment: 08/04/2024

Registrar of Designs

NOTICE OF REGISTRATION OF DESIGNS

Notice of registration of the designs mentioned below has been issued by the Registrar of Designs in terms of the Designs Act, 1993 (Act No. 195 of 1993)

INSPECTION OF DESIGNS

A design application, may after a notice of registration has been published, be inspected during office hours at the Designs Office, Pretoria, at a charge of R3, 00

COPIES OF DOCUMENTS

The Designs Office, Private Bag X400, Pretoria, supplies photocopies of all design documents at R1, 00 per page.

The numerical references denote the following: **(21)** Number of application. **(22)** Date of lodgement. **(23)** release date (if applicable). **(DR)** Date of registration. **(52)** Class. **(24)** Type of design. **(71)** Name(s) of applicant(s). **(33)** Country. **(31)** Number and. **(32)** Date of convention application. **(54)** Articles to which design is to be applied. **(57)** Brief statement of features.

N.B.: Date of registration (DR) is either Date of lodgement (22) or Date of convention of application (32) whichever is the earlier.

Registrar of Designs

21: A2020/01033 22: 2020-07-29 23:
 43: 2024-03-11
 52: Class 12 24: Part A
 71: Continental Reifen Deutschland GmbH
 33: EM 31: 007571765-0001 32: 2020-01-30
54: TYRES

57: The design is for a tyre, including a tyre tread.
 The tyre tread includes five transversely spaced tread rings, namely, a pair of outer or shoulder rings, a pair of intermediate rings and a centre ring. The

outer and intermediate rings are separated by a circumferential outer grooves. The centre ring and intermediate rings are separated by circumferential inner grooves. Each ring includes a plurality of circumferentially spaced apart sipes.



Figure 1

Three-dimensional view



21: A2022/01402 22: 2022-11-04 23:
 43: 2022-05-06
 52: Class 12 24: Part A
 71: Bayerische Motoren Werke Aktiengesellschaft
 33: DE 31: 402022100383.8 32: 2022-05-06
54: MOTOR VEHICLES

57: The design is for a motor vehicle in the form of a five-door crossover hatchback having short overhangs. The motor vehicle has a closed radiator grille having an octagonal contour. Substantially teardrop shaped opposite headlights are provided on the sides of the motor vehicle. A bonnet of the vehicle is substantially flat in the centre and flanked by hunches extending from the windscreen to the front bumper. The windows taper as they extend back towards the rear, emphasizing the vehicle's wedge shape. A side skirt, more pronounced in the area of the doors, gives the motor vehicle an athletic appearance. Trims surround the wheel arches and extend below the front and rear bumpers, together with the side skirt running as a belt around the entire bottom edge of the body. The rear features downward-tapering rear light clusters on either side of the boot lid. The roof has an arrangement of racks.

21: A2020/01530 22: 2020-11-25 23:
 43: 2024-05-16
 52: Class 22 24: Part A
 71: HOWARD, Trevor David
54: AN ADAPTOR
 57: The novelty of the design resides in the shape and/or configuration of an adaptor, substantially as shown in the accompanying representations.



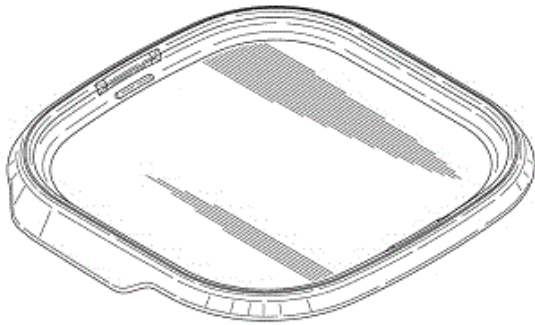
Figure 1

Three-dimensional view

21: A2023/00069 22: 2023-01-13 23:
 43: 2024-03-12
 52: Class 7. 24: Part A
 71: DART INDUSTRIES INC.
 33: US 31: 29/847,026 32: 2022-07-21

54: Storage Container Seal

57: The design relates to storage container seal. The features of the design are those of shape and/or configuration and/or ornamentation.

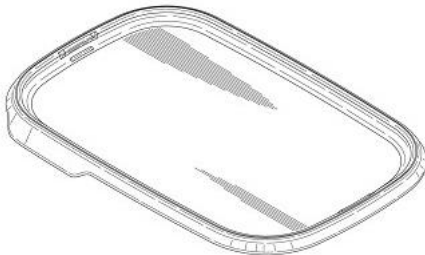


TOP PERSPECTIVE VIEW

21: A2023/00070 22: 2023-01-13 23:
 43: 2024-03-12
 52: Class 7. 24: Part A
 71: DART INDUSTRIES INC.
 33: US 31: 29/847,026 32: 2022-07-21

54: Storage Container Seal

57: The design relates to storage container seal. The features of the design are those of shape and/or configuration and/or ornamentation.

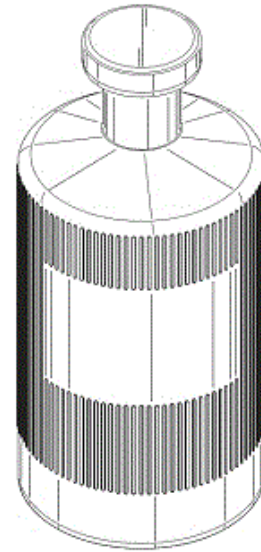


TOP PERSPECTIVE VIEW

21: A2023/00073 22: 2023-01-16 23:
 43: 2024-03-12
 52: Class 9. 24: Part A
 71: GIN RUNNERS, LLC
 33: US 31: 29/865,347 32: 2022-07-20

54: Bottle

57: The design relates to a bottle. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



FRONT TOP PERSPECTIVE VIEW
 CAP INSERTED

21: A2023/00085 22: 2023-01-20 23:
 43: 2023-01-20

52: Class 12 24: Part A
 71: SUPERCART SOUTH AFRICA (PTY) LTD

54: TROLLEY ARRANGEMENT

57: The design is applied to a trolley arrangement comprising an all plastic shopping trolley fitted with a flag, the trolley being sized for use by children. The features of the design for which protection is claimed include the shape and/or configuration of a trolley arrangement, substantially as illustrated in the accompanying representations.



Three-dimensional view

21: A2023/00136 22: 2023-01-30 23:
43: 2023-01-30
52: Class 21 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
54: CARS

57: The design is for an automobile in the form of an SUV. A large grille is provided above a front bumper. The grille is rectangular and has two prominent horizontal trim strips. A pair of upright fins separates the grille from a pair of rectangular air inlet ports either side of the grille. Each air inlet port is fitted with a bulky trim strip aligned with an upper strip of the grille. Two headlights are provided on the sides of a front, and a bonnet curves downwardly between the headlights. A small spoiler extends rearwardly from the roof. An inclined rear window extends between the roof and a tail. A taillight bar extends around the tail, having a seamless appearance across sides of the body and the boot door. The automobile has a rear diffuser and two pairs of exhaust pipes, one on each side of the diffuser.



Figure 1

Three-dimensional view

21: A2023/00137 22: 2023-01-30 23:
43: 2023-01-30
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
54: AUTOMOBILES

57: The design is for a car and particularly an SUV. A front face includes a rectangular grille with two prominent horizontal trim strips above a front bumper. A pair of rectangular air inlet ports flank the grille. Each air inlet port is fitted with an upper bulky trim strip aligned with an upper strip of the grille and a lower thinner trim strip. A pair of headlights extend rearwardly. A bonnet curves downwardly between the headlights. A rear face includes a small spoiler extending rearwardly from a roof and an inclined rear window with a centrally positioned light strip. A taillight bar extends around a tailgate, with tapered ends extending rearwardly along each side of the car. A pair of slim lights are positioned above two pairs of square exhaust outlets which flank a rear diffuser below the tailgate. Side skirts and accents are colour-coded.



Figure 1

Three-dimensional view

21: A2023/00138 22: 2023-01-30 23:
43: 2023-01-30
52: Class 21 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
54: CARS

57: The design is for a car and particularly a sports utility vehicle. A front face includes a rectangular grille with two prominent horizontal trim strips above a front bumper. A pair of rectangular air inlet ports

flank the grille. Each air inlet port is fitted with an upper bulky trim strip aligned with an upper strip of the grille and a lower thinner trim strip. A pair of headlights extend rearwardly along each side of the car. A bonnet curves downwardly between the headlights. A rear face includes a small spoiler extending rearwardly from a roof and an inclined rear window with a centrally positioned light strip. A taillight bar extends around a tailgate, with tapered ends extending rearwardly along each side of the car. A pair of slim lights are positioned above two pairs of square exhaust outlets which flank a rear diffuser below the tailgate.



Figure 1
Three-dimensional view

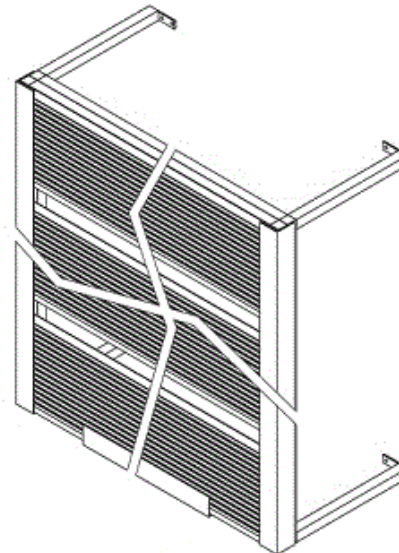


Figure 1
Three-dimensional view

21: A2023/00140 22: 2023-01-31 23:
43: 2024-03-11
52: Class 25. 24: Part A
71: WATERARC SOLUTIONS (PTY) LTD.

54: A Filter Cage

57: The design relates to a filter cage. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW
CLOSED CONFIGURATION

21: A2023/00139 22: 2023-01-30 23:
43: 2023-01-30
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft

54: AUTOMOBILES

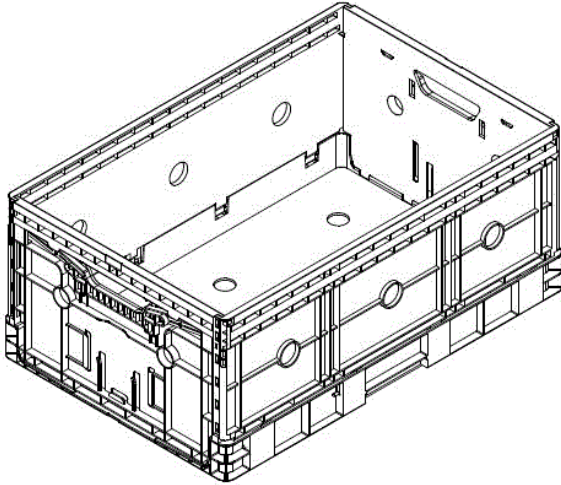
57: The design is for a car and particularly a sports utility vehicle. A front face includes a rectangular grille with two prominent horizontal trim strips above a front bumper. A pair of rectangular air inlet ports flank the grille. Each air inlet port is fitted with an upper bulky trim strip aligned with an upper strip of the grille and a lower thinner trim strip. A pair of headlights extend rearwardly along each side of the car. A bonnet curves downwardly between the headlights. A rear face includes a small spoiler extending rearwardly from a roof and an inclined rear window with a centrally positioned light strip. A taillight bar extends around a tailgate, with tapered ends extending rearwardly along each side of the car. A pair of slim lights are positioned above two pairs of square exhaust outlets which flank a rear diffuser below the tailgate.

21: A2023/00161 22: 2023-02-06 23:
43: 2023-02-06
52: Class 9 24: Part A
71: MPact Plastic Containers Proprietary Limited

54: Crates

57: The design relates to a crate as shown in the accompanying representations. The crate is open-topped and has a generally rectangular shape in an erected configuration of the crate and comprises a base wall defining spaced holes, a pair of opposite side walls defining spaced holes and a pair of opposite end walls defining spaced holes. The crate is collapsible when not in use, with the end walls and the side walls being hingedly foldable onto the base

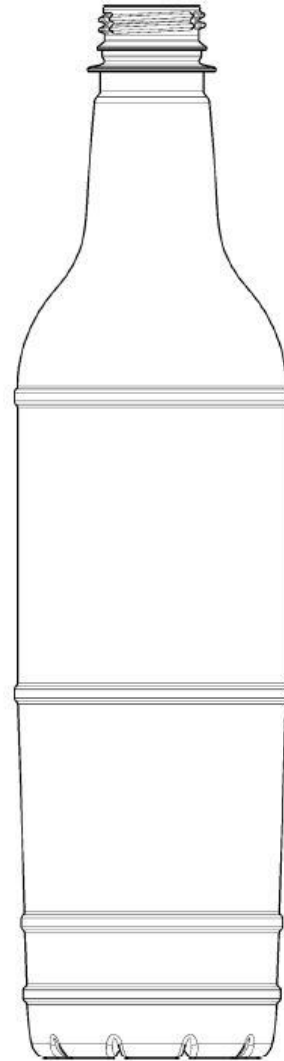
wall forming a compact space-saving arrangement. Handles with associated latching mechanisms are mounted to external sides of the side walls. Corner locating strips and straight locating strips are located on an underside of the base wall for locating the crate relative to adjacent crates.



Three-dimensional view from top

21: A2023/00183 22: 2023-02-13 23: 2022-11-01
43: 2024-04-16
52: Class 09 24: Part A
71: SIR FRUIT (PTY) LTD
54: A BOTTLE

57: The design is applied to a bottle. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the bottle, substantially as illustrated in the accompanying representation.



21: A2023/00273 22: 2023-02-24 23:
43: 2022-08-25
52: Class 12 24: Part A
71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
33: EM(DE) 31: 009156151-0011 32: 2022-08-25
54: SPOILERS

57: The design is for a spoiler comprising an upper elongate curved wing attached to, and elevated above, a lower elongate curved base by a pair of struts. A front portion of the wing curves smoothly downwardly. Opposite ends of the wing curve upwardly with a tapered tip portion of each end extending rearwardly. Each strut comprises an upper member attached to a lower surface of the wing, a lower member attached to an upper surface of the base and a pair of spaced-apart arms connecting the two members. The base has a shorter length than the wing. A rear portion of the base inclines upwardly.

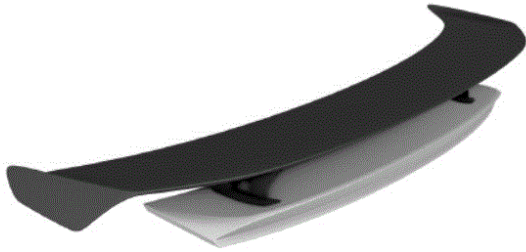


Figure 7

Three-dimensional view

21: A2023/00283 22: 2023-02-27 23: 43: 2022-10-20
 52: Class 21 24: Part A
 71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
 33: EM(DE) 31: 015000996-0001 32: 2022-10-20
54: CARS

57: The design is for a car and in particular for a coupé having a silhouette with a tapered bonnet, a bow-shaped flowing windscreen and roofline, and a gently curved rear. A pair of rearwardly extending, recessed, pentagonal headlights are provided at a front of the car. A pair of arrowhead-shaped members, each housing an air-intake grille extending downwardly from the headlights, flank an upper portion of a central hexagonal radiator grille, a lower half of each member extending forwardly. A short upper swage line and a lower swage line extend along each side of the car. The rear includes a curved upwardly projecting rear fin extending from a rear window above a slim upwardly projecting rear spoiler. An elongate light bar wraps around the rear above a pair of substantially triangular recessed air-intake grilles. A trapezium-shaped lower portion houses a pair of slim taillights above a pair of trapezium-shaped grilles.



Figure 1

Three-dimensional view

21: A2023/00284 22: 2023-02-27 23: 43: 2022-10-20
 52: Class 21 24: Part A
 71: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
 33: EM(DE) 31: 015000996-0002 32: 2022-10-20
54: CARS

57: The design is for a car and in particular for a coupé having a silhouette with a tapered bonnet, a bow-shaped flowing windscreen and roofline, and a gently curved rear. A pair of rearwardly extending pentagonal headlights are provided at a front of the car. A pair of arrowhead-shaped members, each housing an air-intake grille extending from the headlights downwardly, flank an upper portion of a central hexagonal radiator grille, a lower half of each member extending forwardly. A short upper swage line and a lower swage line extend along each side of the car. The rear includes a slim upwardly projecting, curved rear spoiler. An elongate light bar wraps around the rear above a pair of substantially triangular recessed air-intake grilles. A trapezium-shaped lower portion houses a pair of slim taillights above a pair of trapezium-shaped grilles.

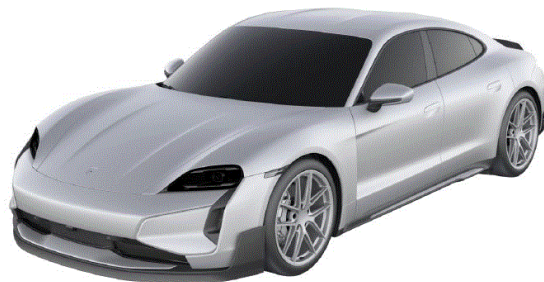


Figure 1

Three-dimensional view

21: A2023/00390 22: 2023-03-22 23: 43: 2024-03-12
 52: Class 07. 24: Part A
 71: YETI COOLERS, LLC
 33: US 31: 29/854,560 32: 2022-09-26
54: A Cocktail Shaker

57: The design is in respect of an ornamental design for a cocktail shaker as shown and described in the accompanying figures.



21: A2023/00424 22: 2023-03-16 23:
43: 2024-04-16
52: Class 23 24: Part A
71: HANSGROHE SE
33: EU 31: 009183379-0014 32: 2022-09-23

54: FAUCET

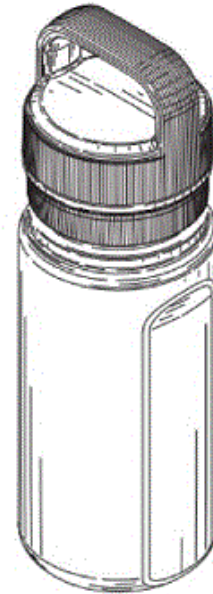
57: The novelty of the design resides in the shape or configuration of a faucet substantially as shown in the accompanying representation.



21: A2023/00506 22: 2023-04-21 23:
43: 2024-03-12
52: Class 09. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/857,964 32: 2022-10-26

54: Bottle

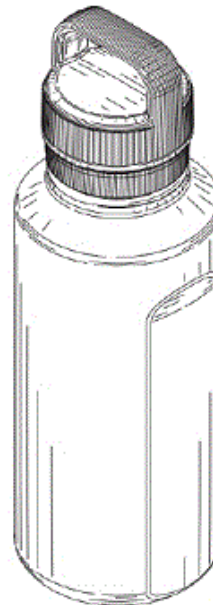
57: The design is in respect of a bottle which is use containerizes a fluid.



21: A2023/00512 22: 2023-04-25 23:
43: 2024-03-12
52: Class 09. 24: Part A
71: YETI COOLERS, LLC
33: US 31: 29/857,966 32: 2022-10-26

54: Bottle

57: The design is in respect of a bottle. The bottle functioning, in use, to containerize a fluid.



21: A2023/00513 22: 2023-04-25 23:
43: 2024-03-12
52: Class 09. 24: Part A
71: YETI COOLERS, LLC

33: US 31: 29/857,972 32: 2022-10-26

54: Bottle

57: The design is in respect of a bottle. The bottle functioning, in use, to containerize a fluid.



21: A2023/00721 22: 2023-06-27 23:

43: 2024-03-12

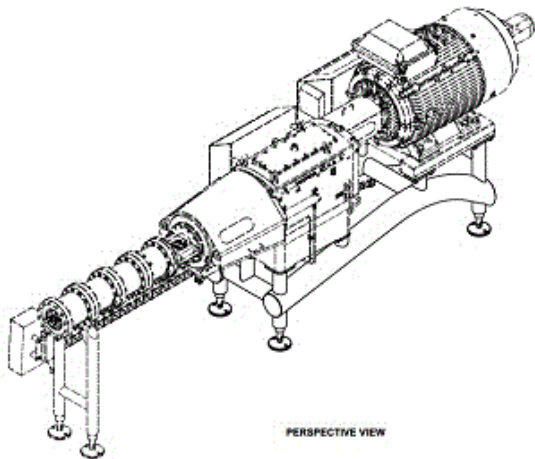
52: Class 31. 24: Part A

71: BÜHLER AG

33: IB 31: 132805 32: 2023-05-12

54: Frame of an Extrusion System

57: The design relates to a frame of an extrusion system. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



21: A2023/00727 22: 2023-06-30 23:

43: 2023-03-24

52: Class 10 24: Part A

71: LVMH Swiss Manufactures SA

33: HSIRID(CH) 31: DM/227953 32: 2023-03-24

54: WATCHES

57: The design is that of a watch. It is a round chronograph watch with a case with lugs, crown at 3 o'clock and round pushers on the case edge. The case diameter is 39mm. The case lug has a triangle-shaped inner bevel. This is a watch with no bezel but with a glassbox. The volume flange follows the curve of the crystal as it rises. The minute track is located on a second curved inner flange, and descends onto the dial. The indexes follow this curve. The chronograph seconds hand is shaped like a triangle. The chronograph counters are in relief. At 6 o'clock is a date window. The case back is open with a crystal, and the watch movement is visible. The oscillating weight of the movement takes the shape of the HEUER logo.

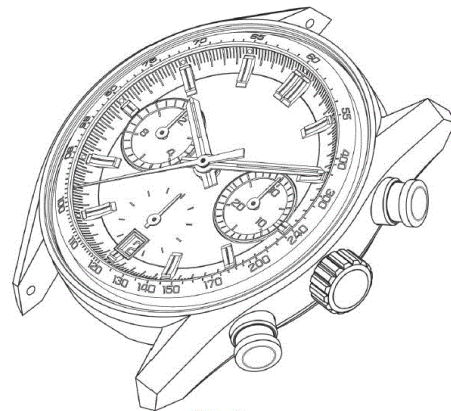


Figure 1
Three-dimensional view

21: A2023/00753 22: 2023-07-07 23:

43: 2024-02-07

52: Class 13 24: Part A

71: Shenzhen SYD Network Technology Co., Ltd

54: PORTABLE POWER STATION

57: The design is to be applied to an electronic cigarette. The features for which protection is claimed are those of shape and/or configuration, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



21: A2023/00756 22: 2023-07-07 23:
43: 2024-02-07
52: Class 13 24: Part A
71: Shenzhen SYD Network Technology Co., Ltd
54: PORTABLE POWER STATION
57: The design is to be applied to a portable power station. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.

configuration and/or ornamentation, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



21: A2023/00758 22: 2023-07-07 23:
43: 2024-02-07
52: Class 13 24: Part A
71: Shenzhen SYD Network Technology Co., Ltd
54: PORTABLE POWER STATION
57: The design is to be applied to a portable power station. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



21: A2023/00757 22: 2023-07-07 23:
43: 2024-02-07
52: Class 13 24: Part A
71: Shenzhen SYD Network Technology Co., Ltd
54: PORTABLE POWER STATION
57: The design is to be applied to a portable power station. The features for which protection is claimed are those of shape and/or pattern and/or



21: A2023/00759 22: 2023-07-07 23:

43: 2024-02-07
 52: Class 13 24: Part A
 71: Shenzhen SYD Network Technology Co., Ltd
 33: EU 31: 015021732-0001 32: 2023-05-17

54: PORTABLE POWER STATION

57: The design is to be applied to a portable power station. The features for which protection is claimed are those of shape and/or pattern and/or configuration and/or ornamentation, substantially as shown in the representations. The shading in the design drawings are intended to show the contours of the designs only and are not intended to show ornamentation, colouration or surface finish.



21: A2023/00799 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part A
 71: STONEAGE, INC.
 33: US 31: 29/883,329 32: 2023-01-26
54: UNIVERSAL CLEANER WITH NOZZLE HEAD
 57: The features for which protection is claimed reside in the shape and/or configuration of a universal cleaner with nozzle head substantially as shown in the accompanying representations.



21: A2023/00800 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part A
 71: STONEAGE, INC.
 33: US 31: 29/883,330 32: 2023-01-26
54: UNIVERSAL CLEANER WITH NOZZLE HEAD AND RAMPED BODY FINS
 57: The features for which protection is claimed reside in the shape and/or configuration of a universal cleaner with nozzle head and ramped body fins substantially as shown in the accompanying representations.



21: A2023/00803 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part A
71: STONEAGE, INC.

33: US 31: 29/883,331 32: 2023-01-26
**54: DESCALER CLEANER WITH NARROW
NOZZLE HEAD**

57: The features for which protection is claimed
reside in the shape and/or configuration of a
descaler cleaner with narrow nozzle head
substantially as shown in the accompanying
representations.

21: A2023/00805 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part A
71: STONEAGE, INC.

33: US 31: 29/883,332 32: 2023-01-26
**54: UNIVERSAL CLEANER WITH SHORT
NOZZLE HEAD**

57: The features for which protection is claimed
reside in the shape and/or configuration of a
universal cleaner with short nozzle head
substantially as shown in the accompanying
representations.



21: A2023/00808 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part A
 71: STONEAGE, INC.
 33: US 31: 29/883,333 32: 2023-01-26
**54: DESCALER CLEANER WITH SHORT NOZZLE
 HEAD AND RAMPED BODY FINs**
 57: The features for which protection is claimed
 reside in the shape and/or configuration of a
 descaler cleaner with short nozzle head and ramped
 body fins substantially as shown in the
 accompanying representations.

21: A2023/00813 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part A
 71: STONEAGE, INC.
 33: US 31: 29/883,335 32: 2023-01-26
**54: DESCALER CLEANER WITH SMOOTH BODY
 AND FORWARD NOZZLE HEAD**
 57: The design relates to a descaler cleaner with
 smooth body and forward nozzle head. The features
 of the design are those of shape and/or
 configuration.

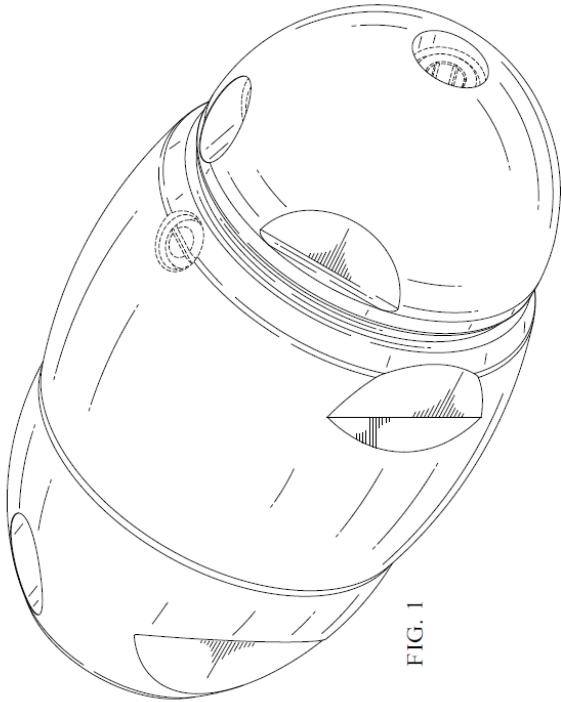


FIG. 1



FIG. 1

21: A2023/00814 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part A
71: STONEAGE, INC.

33: US 31: 29/883,334 32: 2023-01-26

54: DESCALER CLEANER WITH LARGE NOZZLE HEAD

57: The design relates to a descaler cleaner with large nozzle head. The features of the design are those of shape and/or configuration.

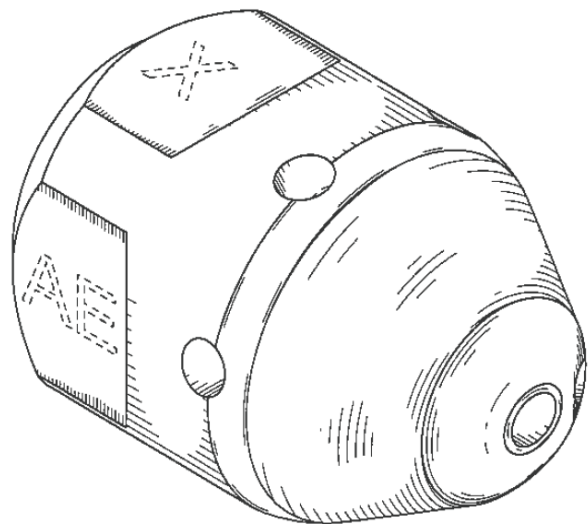
21: A2023/00815 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part A
71: STONEAGE, INC.

33: US 31: 29/887,063 32: 2023-03-16

54: POLISHER NOZZLE HEAD

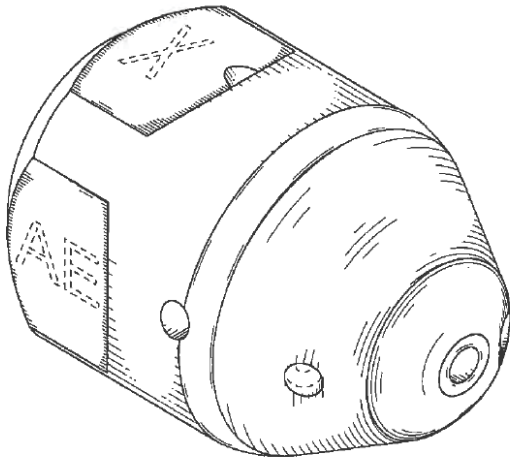
57: The design relates to a polisher nozzle head. The features of the design are those of shape and/or configuration.



21: A2023/00816 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part A
 71: STONEAGE, INC.
 33: US 31: 29/887,064 32: 2023-03-16

54: UNPLUGGER NOZZLE HEAD

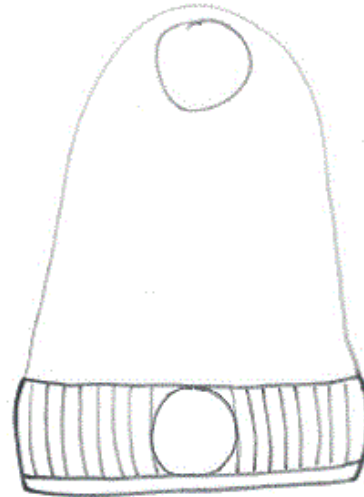
57: The design relates to a unplugger nozzle head. The features of the design are those of shape and/or configuration.



21: A2023/00887 22: 2023-08-03 23:
 43: 2024-03-11
 52: Class 2 24: Part A
 71: COETZEE, Jeanetta, Isabella, Magdalena

54: A BEANIE

57: The design is applied to a beanie, wherein the beanie includes one or more apertures for receiving and accommodating a pony tail, or a substantial bundle of hair therethrough. The features of the design for which protection is claimed include the shape, pattern, configuration and / or ornamentation of a beanie as shown in the drawings, showing the general appearance thereof.



21: A2023/00890 22: 2023-08-08 23:
 43: 2023-02-09
 52: Class 06 24: Part A
 71: Airweave Inc.
 33: JP 31: 2023-002432 32: 2023-02-09

54: COVERS

57: The design is for a cover. The cover has a substantially rectangular planar top part including a plurality of vertically arranged, horizontally spaced adjoining portions. The cover has side walls extending proximate the peripheral edges of an underside of the top part.

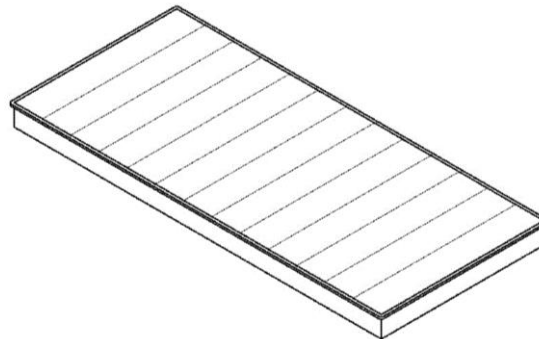


Figure 7
 Three-dimensional view

21: A2023/00891 22: 2023-08-08 23:
 43: 2023-02-09
 52: Class 06 24: Part A
 71: Airweave Inc.
 33: JP 31: 2023-002433 32: 2023-02-09

54: COVERS

57: The design is for a cover. The cover has a planar substantially rectangular body having a beveled

corner. A sidewall of the cover that has the beveled corner defines a rectangular opening.

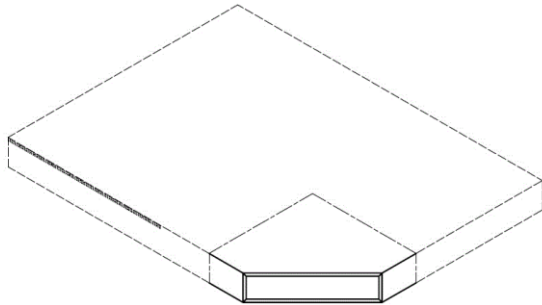
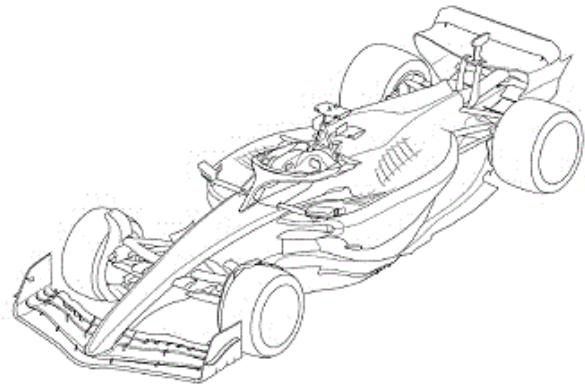


Figure 7
Three-dimensional view



PERSPECTIVE VIEW

21: A2023/00892 22: 2023-08-08 23:
43: 2023-02-09
52: Class 06 24: Part A
71: Airweave Inc.
33: JP 31: 2023-002434 32: 2023-02-09

54: COVERS

57: The design is for a cover. The cover has a planar substantially rectangular body having a beveled corner. A sidewall of the cover that has the beveled corner defines a rectangular opening. A rectangular display element is provided on a top and bottom surface of the body alongside the beveled corner.

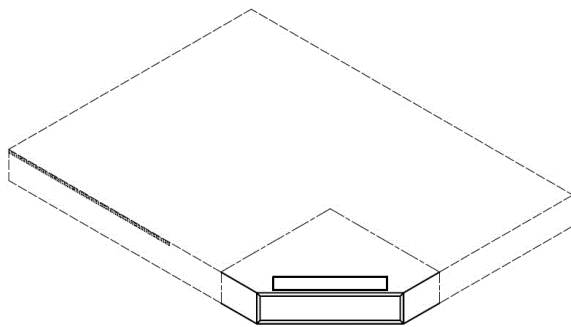
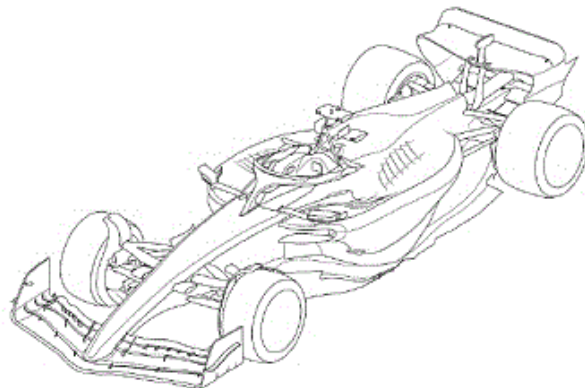


Figure 7
Three-dimensional view

21: A2023/00895 22: 2023-08-10 23: 2023-02-14
43: 2024-03-11
52: Class 21. 24: Part A
71: FERRARI S.P.A.
33: IB 31: WIPO128608 32: 2023-02-13

54: Toy Car

57: The design relates to a toy car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



PERSPECTIVE VIEW

21: A2023/00894 22: 2023-08-10 23: 2023-02-14
43: 2024-03-11
52: Class 12. 24: Part A
71: FERRARI S.P.A.
33: IB 31: WIPO128609 32: 2023-02-13

54: Car

57: The design relates to a car. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

21: A2023/00914 22: 2023-08-21 23:
43: 2023-02-22
52: Class 12 24: Part A
71: Isuzu Motors Limited
33: JP 31: 2023-003471 32: 2023-02-22

54: CABINS FOR VEHICLES

57: The design is for a cabin for a vehicle. A cab face includes a large rectangular windscreen, a grille, a bumper and a wiper panel provided between the windscreen and grille. An upper part of the grille has an ornate design of long u-shaped bars. A vertical light cluster is provided on either side of the

grille. The cabin has a bumper having an inner part and outer part. Substantially rectangular-shaped formations are provided on either side of the outer part. A substantially rectangular window having curved edges is provided on a door on each side of the cabin. A rear rectangular window is provided at a centre of the rear of the cabin.



Figure 1
Three-dimensional view



Figure 1
Three-dimensional view

21: A2023/00915 22: 2023-08-21 23:
43: 2023-02-22
52: Class 12 24: Part A
71: Isuzu Motors Limited
33: JP 31: 2023-003472 32: 2023-02-22

54: CABINS FOR VEHICLES

57: The design is for a cabin for a vehicle. A cab face includes a large rectangular windscreen, a grille, a bumper and a wiper panel provided between the windscreen and grille. An upper part of the grille has an ornate design of long u-shaped bars. A vertical light cluster with curved edges is provided on either side of the grille. The cabin has a bumper having an inner part and outer part. Substantially rectangular-shaped formations are provided on either side of the outer part. A substantially rectangular window having curved edges is provided on a door on each side of the cabin. A rear rectangular window is provided at a centre of the rear of the cabin.

21: A2023/00916 22: 2023-08-21 23:
43: 2023-02-22
52: Class 12 24: Part A
71: Isuzu Motors Limited
33: JP 31: 2023-003477 32: 2023-02-22

54: CABINS FOR VEHICLES

57: The design is for a cabin for a vehicle. A cab face includes a large rectangular windscreen, a grille, a bumper and a wiper panel provided between the windscreen and grille. An upper part of the grille has an ornate design of long u-shaped bars. A rectangular-shaped feature having a slanted upper edge is provided on either side of the grille. The cabin has a bumper having an inner part and outer part. A rectangular-shaped formation having slanted edges is provided on either side of the outer part. A substantially rectangular window having curved edges is provided on a door on each side of the cabin. A rear rectangular window is provided at a centre of the rear of the cabin.



Figure 1
Three-dimensional view

21: A2023/00917 22: 2023-08-21 23:
43: 2024-03-11
52: Class 12 24: Part A
71: Isuzu Motors Limited
33: JP 31: 2023-003478 32: 2023-02-22

54: CABINS FOR VEHICLES

57: The design is for a cabin for a vehicle. A cab face includes a large rectangular windscreen, a grille, a bumper and a wiper panel provided between the windscreen and grille. An upper part of the grille has an ornate design of long U-shaped bars. A rectangular-shaped feature having a slanted upper edge is provided on either side of the grille. The cabin has a bumper having an inner part and outer part. A rectangular-shaped formation having slanted edges is provided on either side of the outer part. A substantially rectangular window having curved edges is provided on a door on each side of the cabin. A rear rectangular window is provided at a centre of the rear of the cabin.



Figure 1
Three-dimensional view

21: A2023/00924 22: 2023-08-23 23:
43: 2023-02-24
52: Class 7 24: Part A
71: Société des Produits Nestlé S.A.
33: CH 31: 147215 32: 2023-02-24

54: MACHINES FOR PREPARING BEVERAGES

57: The design is for a machine for preparing beverages. The machine has an ovoid-shaped upper part with outwardly curved front and rear faces, a curved upper portion, and substantially flat oval-shaped side faces. The front face has an upper portion, central portion and lower portion separated from each other by horizontally arranged recesses. The lower portion of the front face defines a substantially rectangular-shaped, centrally disposed opening. A downwardly facing dispenser is provided in the opening and projects partly outwardly from the opening. A pair of opposite circular formations are provided on the lower portion. The machine has an angularly arranged front ellipsoid-shaped foot having ellipse-shaped opposite side faces. A rear foot of the machine is shorter than the front foot and angularly intersects with the front foot towards the rear of the machine. A semi-circular tray projects forwardly

from the front foot and is arranged in register with the dispenser.

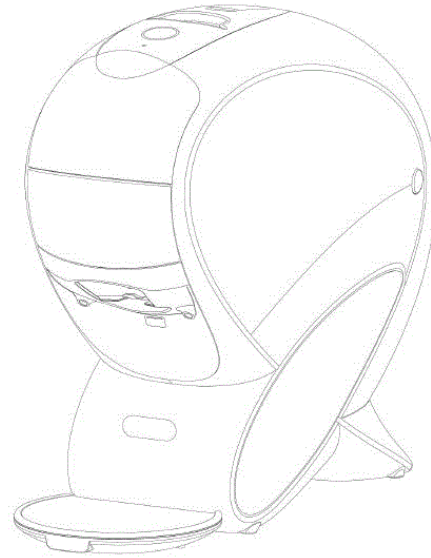


Figure 1
Three-dimensional view

21: A2023/00926 22: 2023-08-24 23:
43: 2023-07-05
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,255 32: 2023-07-05

54: FOOTWEAR

57: The design is for footwear with a contoured heel cup with an extended rear collar having a convex downward curvature leading into downwardly slanted lines on both sides and two downwardly facing triangles positioned above the upper portion of the downwardly slanted lines creating a rearward-pointing arrow configuration along the front end of the claimed design.

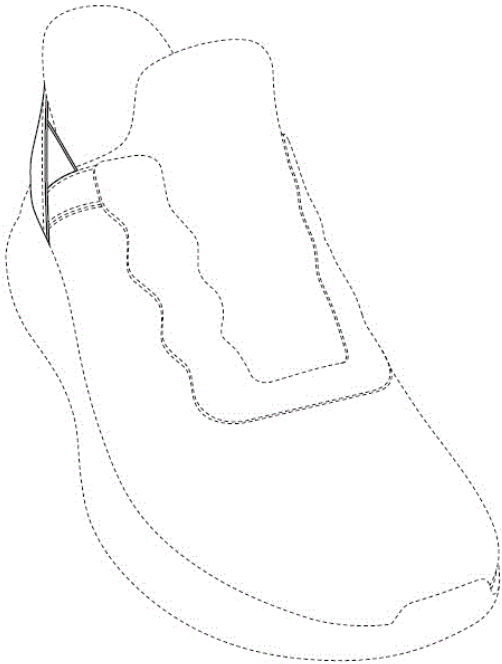


Figure 1

Three-dimensional view

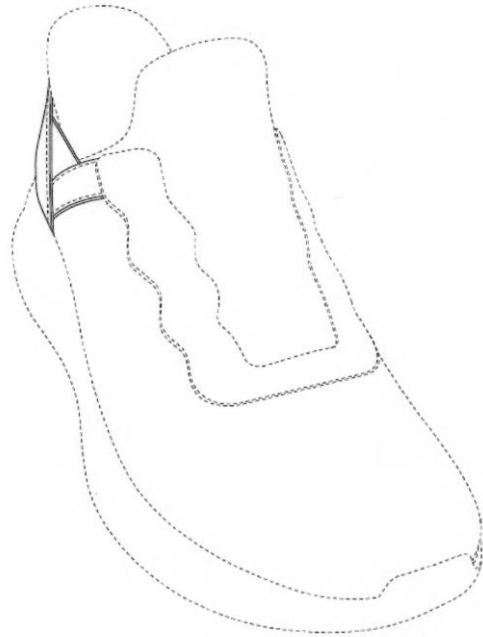


Figure 1

Three-dimensional view

21: A2023/00927 22: 2023-08-24 23:
43: 2024-03-11
52: Class 2 24: Part A
71: Skechers U.S.A., Inc. II
33: US 31: 29/879,255 32: 2023-07-05

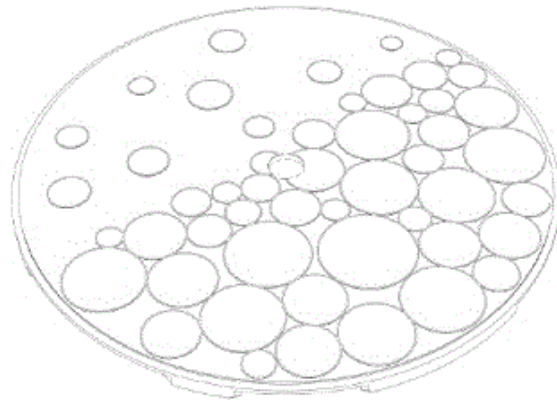
54: FOOTWEAR

57: The design is for footwear with a contoured heel cup with an extended rear collar having a convex downward curvature leading into downwardly slanted lines on both sides and two downwardly facing triangles positioned above the upper portion of the downwardly slanted lines and a forward slanted stripe extending along the front edge of the triangles and upward toward the instep region of the claimed design.

21: A2023/00928 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00142 32: 2023-03-14

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.

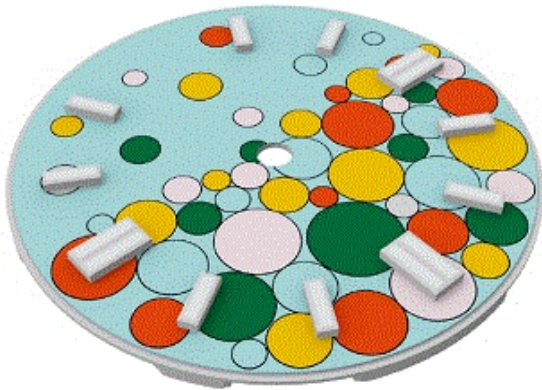


PERSPECTIVE VIEW

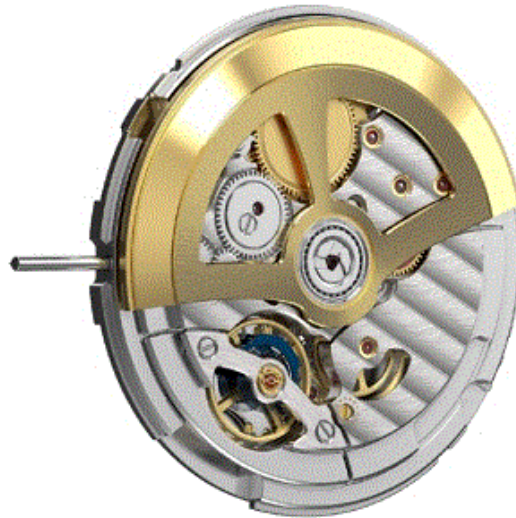
21: A2023/00929 22: 2023-08-24 23:
 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00143 32: 2023-03-14

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



PERSPECTIVE VIEW

21: A2023/00931 22: 2023-08-24 23:
 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00167 32: 2023-03-20

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 pattern and/or ornamentation.

21: A2023/00930 22: 2023-08-24 23:
 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00162 32: 2023-03-17

54: Movement Mechanism for Clocks and Watches

57: The design relates to a movement mechanism for clocks and watches. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



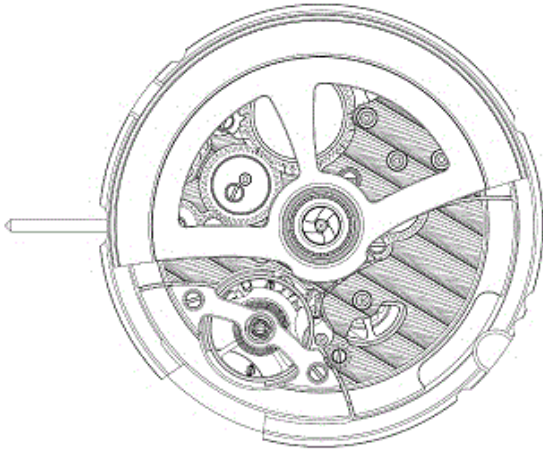
FRONT PERSPECTIVE VIEW

21: A2023/00932 22: 2023-08-24 23:
 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA

33: CH 31: 2023-00171 32: 2023-03-20

54: Movement Mechanism for Clocks and Watches

57: The design relates to a movement mechanism for clocks and watches. The features of the design are those of shape and/or configuration and/or ornamentation.



FRONT VIEW

21: A2023/00933 22: 2023-08-24 23: 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00184 32: 2023-03-23

54: Watch Case

57: The design relates to a watch case. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

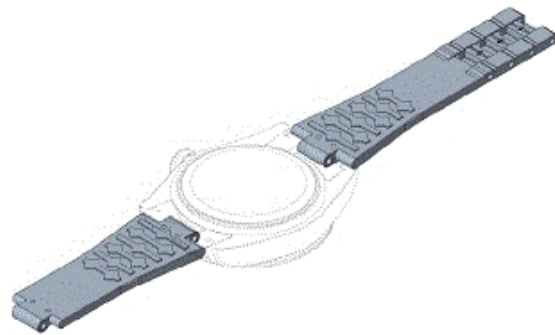


FRONT VIEW

21: A2023/00934 22: 2023-08-24 23: 43: 2024-03-11
 52: Class 10. 24: Part A
 71: MONTRES TUDOR SA
 33: CH 31: 2023-00187 32: 2023-03-23

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 pattern and/or ornamentation.



REAR PERSPECTIVE VIEW

21: A2023/00935 22: 2023-08-24 23: 43: 2024-03-11
 52: Class 10. 24: Part A
 71: ROLEX SA
 33: CH 31: 2023-00161 32: 2023-03-17

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.



FRONT VIEW



FRONT VIEW

21: A2023/00936 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00140 32: 2023-03-14

54: Watch Bezel

57: The design relates to a watch bezel. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

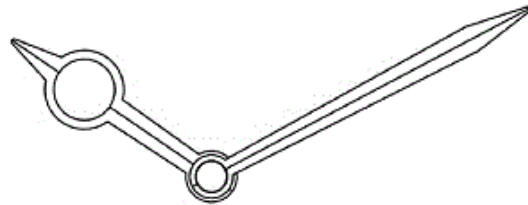
21: A2023/00938 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00130 32: 2023-03-10

54: Watch Hands

57: The design relates to watch hands. The features of the design are those of shape and/or configuration and/or ornamentation.



PERSPECTIVE VIEW



FRONT VIEW

21: A2023/00937 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00131 32: 2023-03-10

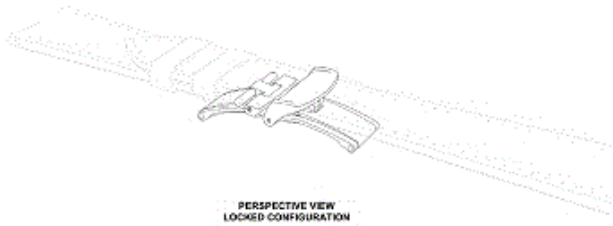
54: Watch Case

57: The design relates to a watch case. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

21: A2023/00939 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00129 32: 2023-03-10

54: Clasp for Watch Bracelets

57: The design relates to a clasp for watch bracelets. The features of the design are those of shape and/or configuration and/or ornamentation.



21: A2023/00940 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00169 32: 2023-03-20

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.



FRONT VIEW

21: A2023/00942 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00141 32: 2023-03-14

54: Watch Crown

57: The design relates to a watch crown. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

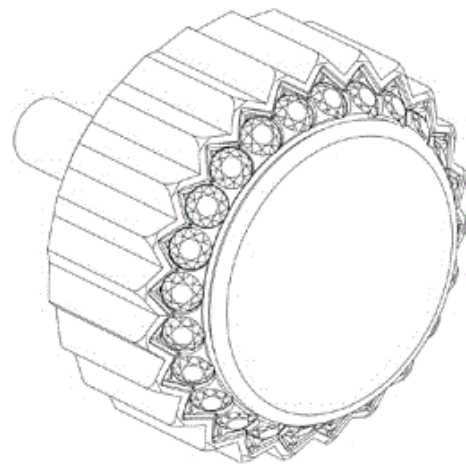


FRONT VIEW

21: A2023/00941 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA
33: CH 31: 2023-00169 32: 2023-03-20

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.



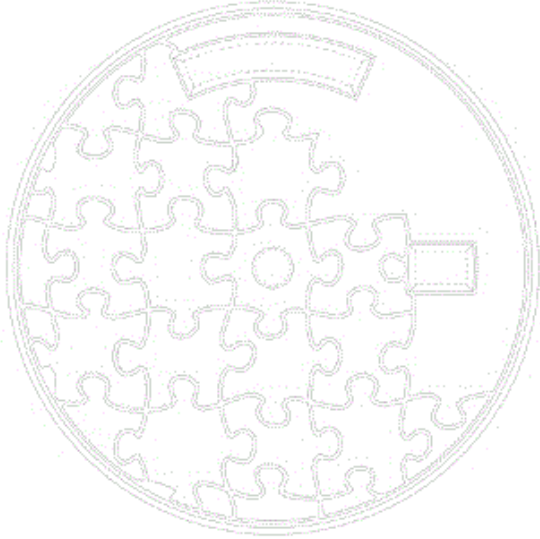
PERSPECTIVE VIEW

21: A2023/00943 22: 2023-08-24 23:
43: 2024-03-11
52: Class 10. 24: Part A
71: ROLEX SA

33: CH 31: 2023-00157 32: 2023-03-16

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.



FRONT VIEW

21: A2023/00944 22: 2023-08-24 23:

43: 2024-03-11

52: Class 21 24: Part A

71: NGQUKUVANA, Bulelani Sydwell

54: FIELD HOCKEY STICK STRIKE PAD

57: The design is applied to a field hockey stick strike pad. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the field hockey stick strike pad, substantially as illustrated in the accompanying representation.

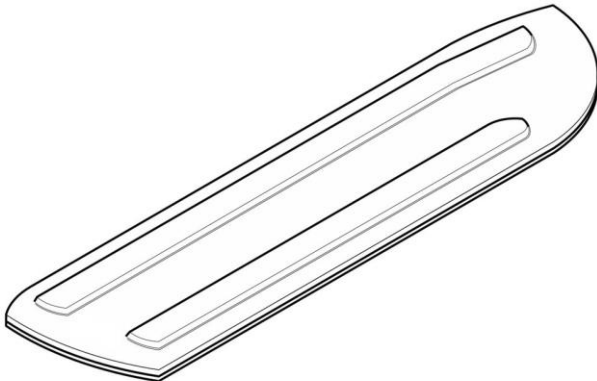


FIGURE 1: THREE-DIMENSIONAL VIEW

21: A2023/00950 22: 2023-08-31 23:

43: 2023-03-03

52: Class 24 24: Part A

71: Haleon CH SARL

33: EM(DE) 31: 015013337-0003 32: 2023-03-03

33: EM(DE) 31: 015013337-0001 32: 2023-03-03

33: EM(DE) 31: 015013337-0002 32: 2023-03-03

33: EM(DE) 31: 015013337-0004 32: 2023-03-03

33: EM(DE) 31: 015013337-0005 32: 2023-03-03

54: TELEMEDICINE CONSULTATION BOOTHS

57: The design is for telemedicine consultation booth which has a forwardly projecting wall extending along sides and a top of the booth. A top half of the wall projects further forwards, creating an arcuate hood, while a bottom half of the wall creates upright recessed side skirts. Upright slots are provided on either side of the wall beneath the hood. The booth has a floor which projects forwardly further than the hood. A top of the hood is rearwardly downwardly inclined. Inside the booth is a communication interface comprising a handset and display screen. An access door and horizontal rail are provided at a rear of the booth.

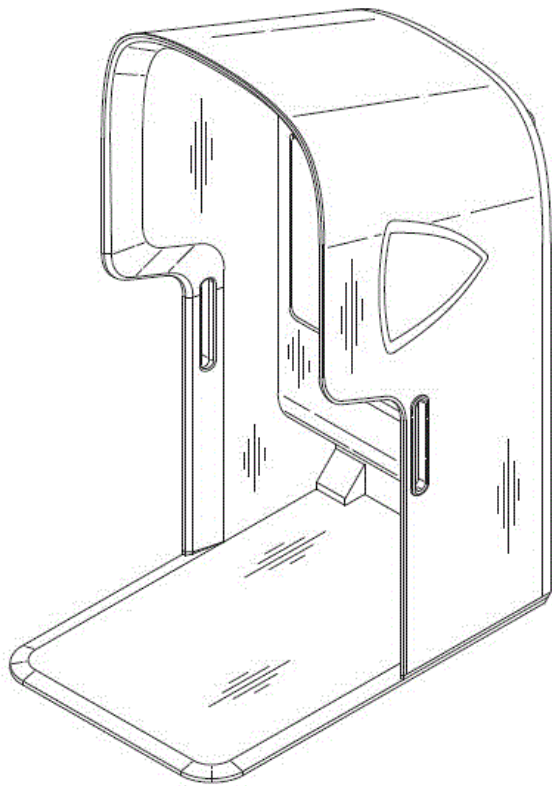


Figure 1

Three-dimensional view

21: A2023/00951 22: 2023-08-31 23:

43: 2023-03-03

52: Class 24 24: Part A

71: Haleon CH SARL

33: EM(DE) 31: 015013337-0006 32: 2023-03-03
 33: EM(DE) 31: 015013337-0008 32: 2023-03-03
 33: EM(DE) 31: 015013337-0007 32: 2023-03-03
 33: EM(DE) 31: 015013337-0009 32: 2023-03-03

54: TELEMEDICINE CONSULTATION BOOTHS

57: The design is for telemedicine consultation booth which has a forwardly projecting wall extending along sides and a top of the booth. A top half of the wall projects further forwards, creating an arcuate hood, while a bottom half of the wall creates upright recessed side skirts. Upright slots are provided on either side of the wall beneath the hood. The booth has a floor which projects forwardly further than the hood. A top of the hood is rearwardly downwardly inclined. Inside the booth is a communication interface comprising a handset and display screen. An access door and horizontal rail are provided at a rear of the booth. A triangular marking with bulging sides is provided on outer sides of the wall and again inside the booth above the communication interface.

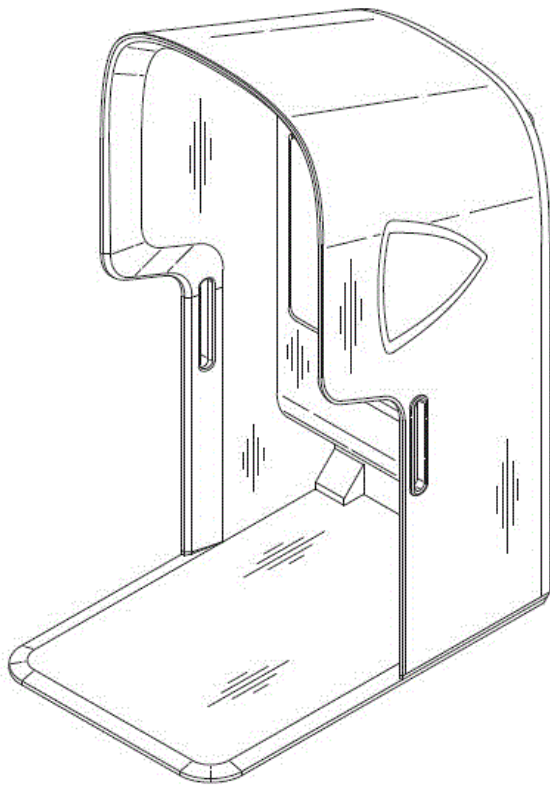


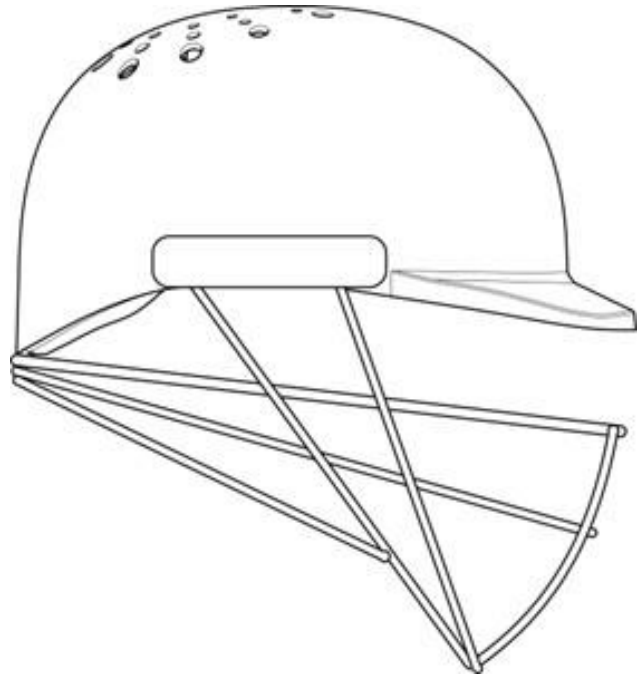
Figure 1

Three-dimensional view

71: GLOVE IP (PTY) LTD

54: A HELMET

57: The design is applied to a helmet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the helmet, substantially as illustrated in the accompanying representation.



21: A2023/00990 22: 2023-09-08 23:
 43: 2024-04-10

52: Class 02 24: Part A

71: GLOVE IP (PTY) LTD

54: A HELMET GRILL

57: The design is applied to a helmet grill. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the helmet grill, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

21: A2023/00988 22: 2023-09-08 23:
 43: 2024-04-10

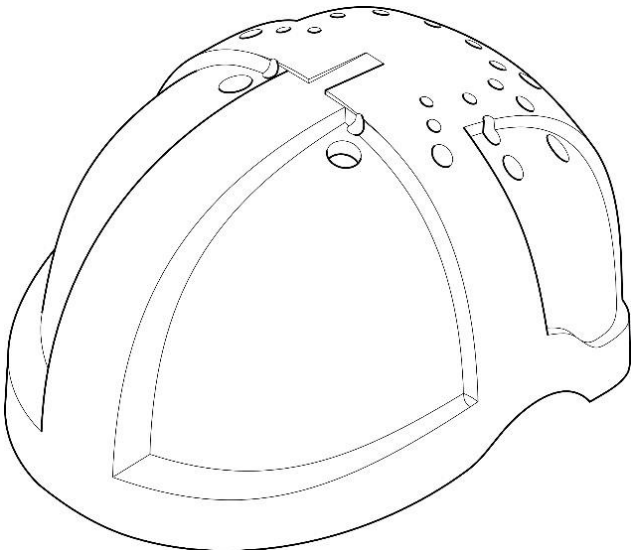
52: Class 02 24: Part A



21: A2023/00992 22: 2023-09-08 23:
43: 2024-04-10
52: Class 02 24: Part A
71: GLOVE IP (PTY) LTD

54: A HELMET INNER SHELL

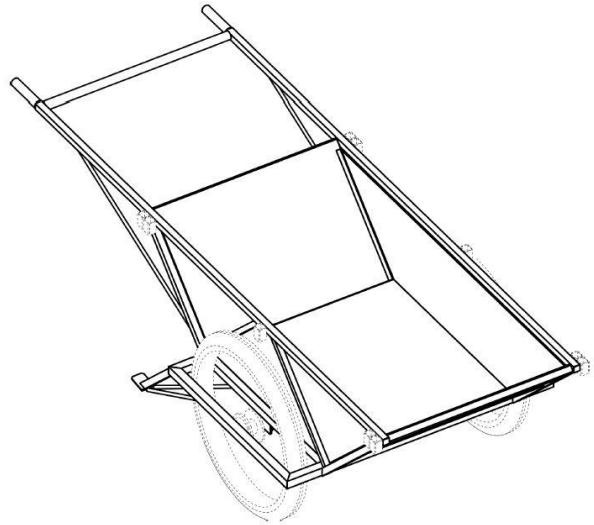
57: The design is applied to a helmet inner shell. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the helmet inner shell, substantially as illustrated in the accompanying representation.



21: A2023/00997 22: 2023-09-13 23:
43: 2024-04-10
52: Class 12 24: Part A
71: BUSH BARROW (PTY) LTD

54: A BARROW

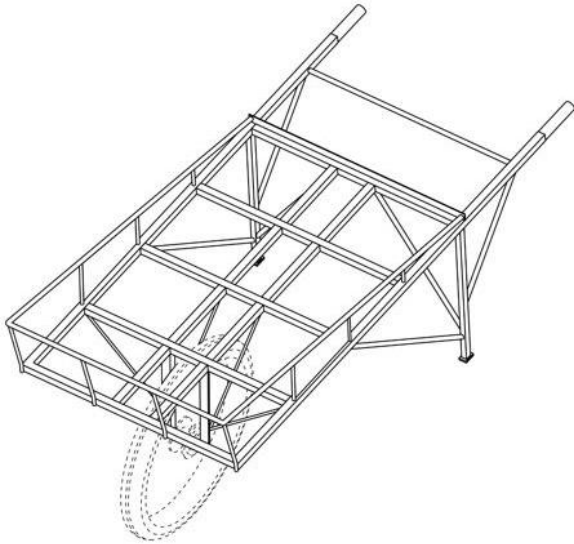
57: The design is applied to a barrow. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the wheelbarrow, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2023/01000 22: 2023-09-13 23:
43: 2024-04-10
52: Class 12 24: Part A
71: BUSH BARROW (PTY) LTD

54: A WHEELBARROW

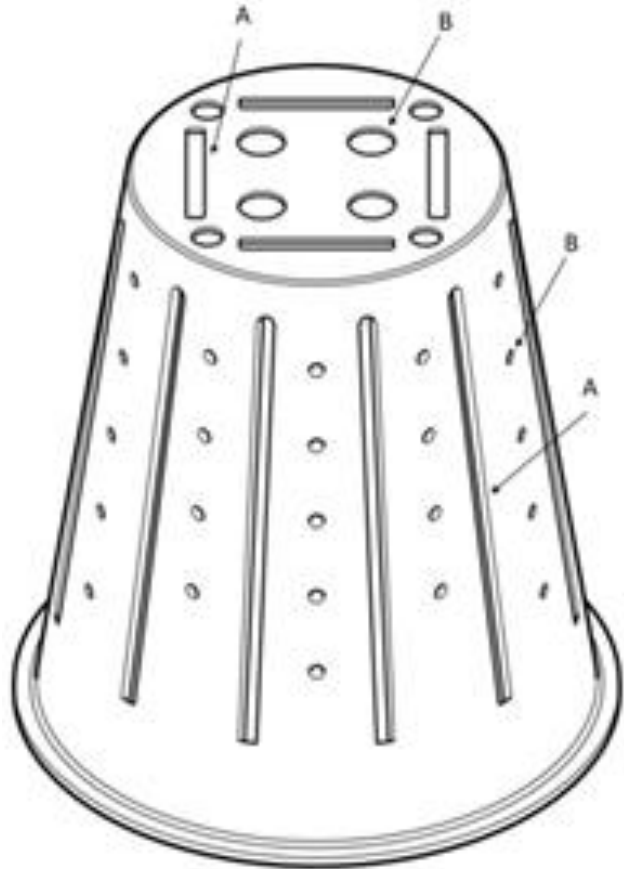
57: The design is applied to a wheelbarrow. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the wheelbarrow, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2023/01019 22: 2023-09-21 23:
 43: 2024-04-10
 52: Class 09 24: Part A
 71: FD INDUSTRIES (PTY) LTD

54: POT

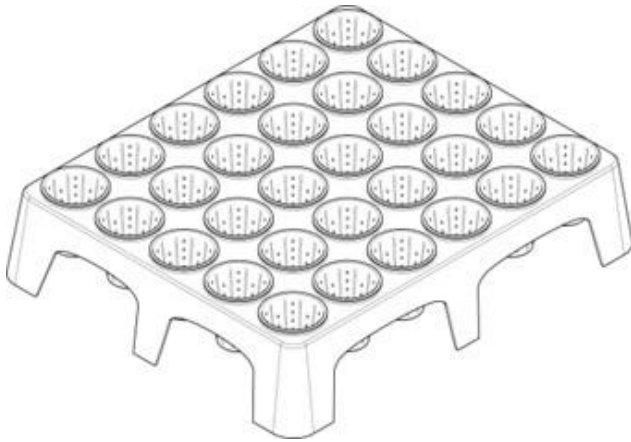
57: The design is applied to a pot. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the pot, substantially as illustrated in the accompanying representation. The exact number, shape and configuration of slots (A) and openings (B) on the side and bottom of the pot are not essential to the design and may vary.



21: A2023/01021 22: 2023-09-21 23:
 43: 2024-04-10
 52: Class 09 24: Part A
 71: FD INDUSTRIES (PTY) LTD

54: POT AND TRAY SYSTEM

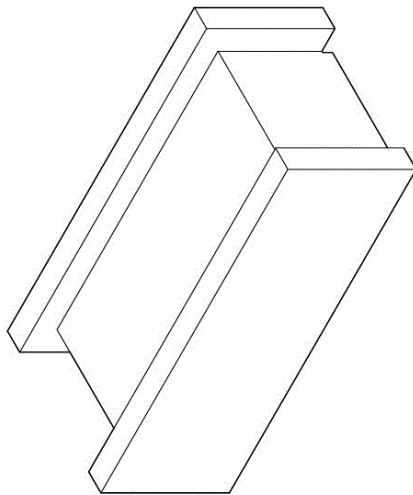
57: The design is applied to pot and tray system. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern and/or ornamentation of the pot and tray system, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: A2023/01034 22: 2023-09-26 23:
43: 2024-04-17
52: Class 25 24: Part A
71: TASSI, Giuseppe

54: BRICK

57: The design relates to a brick. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

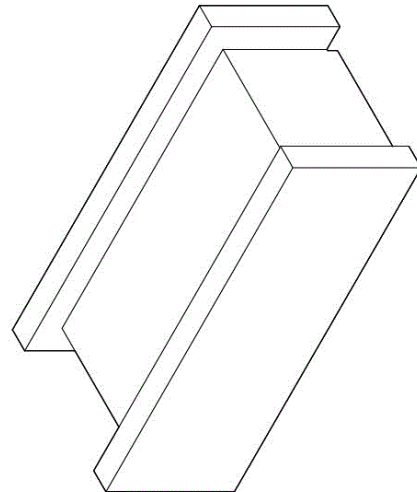


TOP PERSPECTIVE VIEW

21: A2023/01034 22: 2023-09-26 23:
43: 2024-04-17
52: Class 25 24: Part A
71: TASSI, Giuseppe

54: BRICK

57: The design relates to a brick. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



TOP PERSPECTIVE VIEW

21: A2023/01036 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-1 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation.



21: A2023/01037 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-2 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or

ornamentation of the toilet, substantially as illustrated in the accompanying representation.



21: A2023/01042 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-4 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation. Features bounded by broken lines do not form part of the design and are disclaimed.



21: A2023/01039 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-3 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation.



21: A2023/01047 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-1 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation.



57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation.



21: A2023/01048 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-2 32: 2023-07-21
54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation.

21: A2023/01050 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-4 32: 2023-07-21
54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the toilet, substantially as illustrated in the accompanying representation. Features bounded by broken lines do not form part of the design and are disclaimed.



21: A2023/01049 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part A
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-3 32: 2023-07-21
54: TOILET



21: A2023/01138 22: 2023-10-25 23:
43: 2024-05-16
52: Class 09 24: Part A
71: Enviropak (Pty) Ltd

54: PALLET ARRANGEMENT

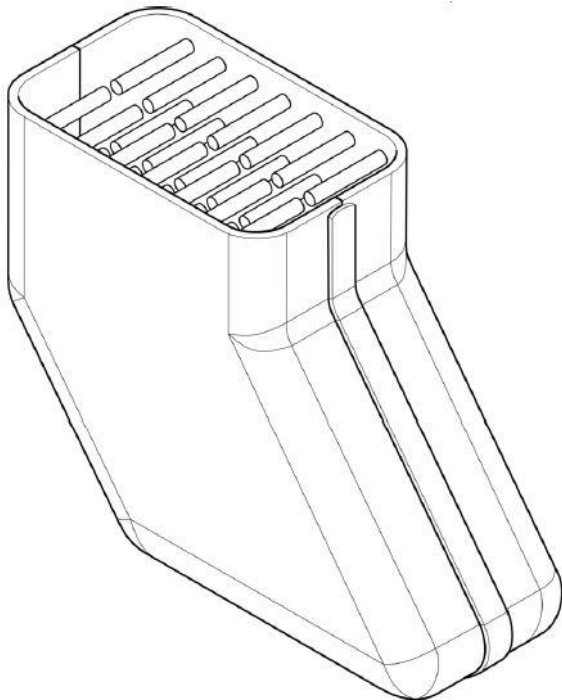
57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



21: A2023/01056 22: 2023-09-28 23:
43: 2024-04-10
52: Class 04 24: Part A
71: CONRADIE FAMILY TRUST

54: GOLF CLUB HEAD CLEANER

57: The design is applied to a golf club head cleaner. The features of the design for which protection is claimed are those of the shape and/or configuration of the golf club head cleaner, substantially as illustrated in the accompanying representation.

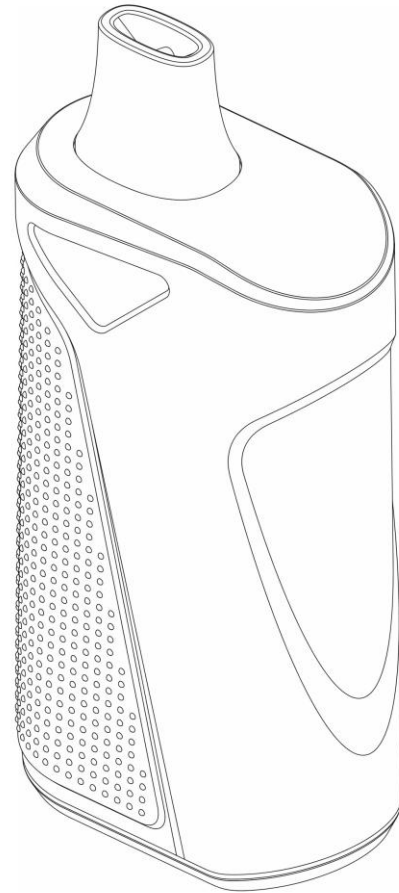
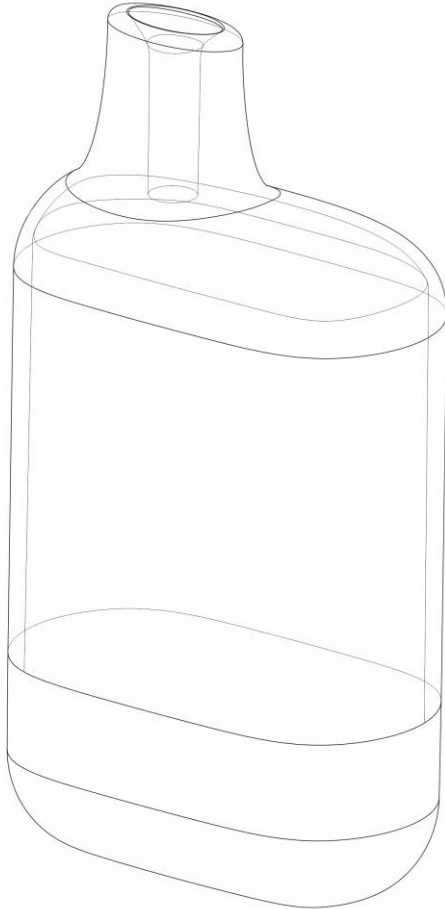


21: A2023/01352 22: 2023-12-08 23:
43: 2024-02-09
52: Class 23 24: Part A
71: IMIRACLE (HK) LIMITED

33: CN 31: 202330356252.8 32: 2023-06-09

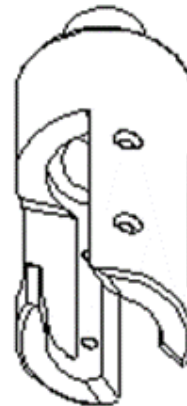
54: ELECTRONIC ATOMIZATION DEVICE

57: The design relates to an electronic atomization device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.



21: A2023/01357 22: 2023-12-08 23:
43: 2024-02-09
52: Class 23 24: Part A
71: IMIRACLE (HK) LIMITED
33: CN 31: 202330360027.1 32: 2023-06-12
54: ELECTRONIC ATOMIZATION DEVICE
57: The design relates to an electronic atomization device. The features of the design are those of shape and/or configuration and/or pattern and/or ornamentation.

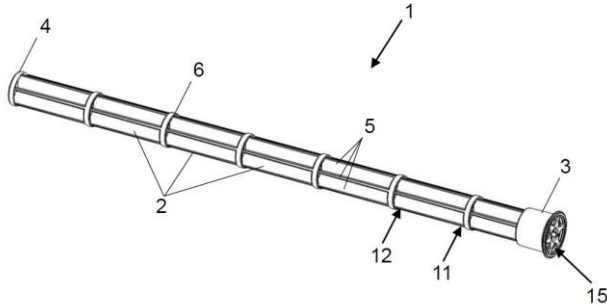
21: F2020/01532 22: 2020-11-25 23:
43: 2024-05-16
52: Class 22 24: Part F
71: HOWARD, Trevor David
54: AN ADAPTOR
57: The novelty of the design resides in the shape and/or configuration of an adaptor, substantially as shown in the accompanying representations.



21: F2022/00121 22: 2022-02-07 23:
43: 2024-04-16
52: Class 23 24: Part F
71: SCHEWITZ, Larry

54: FILTER ELEMENT

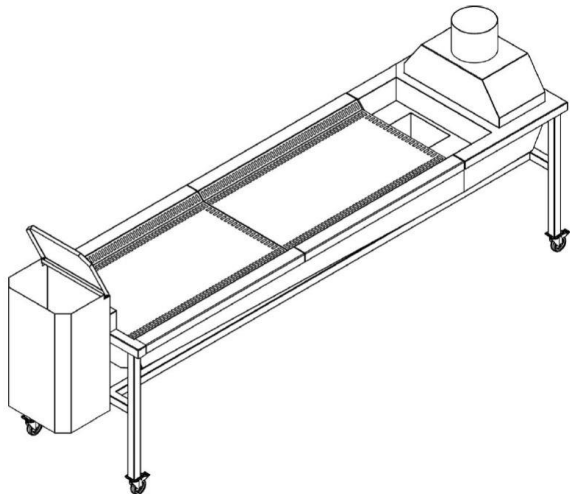
57: The design is applied to a filter element. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the filter element, substantially as illustrated in the accompanying representation, regardless of the overall length of the filter element.



21: F2022/00185 22: 2022-02-23 23:
43: 2024-04-16
52: Class 24 24: Part F
71: STELLENBOSCH UNIVERSITY

54: DISSECTION STATION

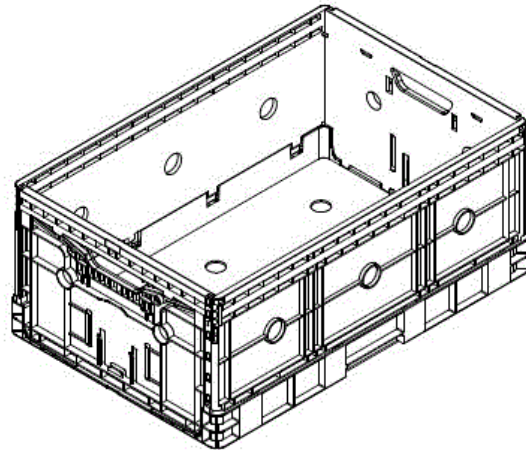
57: The design is applied to a dissection station. The features of the design for which protection is claimed are those of the shape and/or configuration of the dissection station, substantially as illustrated in the accompanying representation.



21: F2023/00162 22: 2023-02-06 23:
43: 2023-02-06
52: Class 9 24: Part F
71: MPact Plastic Containers Proprietary Limited

54: Crates

57: The design relates to a crate as shown in the accompanying representations. The crate is open-topped and has a generally rectangular shape in an erected configuration of the crate and comprises a base wall having spaced holes, a pair of opposite side walls having spaced holes and a pair of opposite end walls having spaced holes. The crate is collapsible when not in use, with the end walls and the side walls being hingedly foldable onto the base wall forming a compact space-saving arrangement. Handles with associated latching mechanisms are mounted to external sides of the end walls. Corner locating strips and straight locating strips are located on an underside of the base wall for locating the crate relative to adjacent crates in cross-stacked or aligned stacking arrangements.

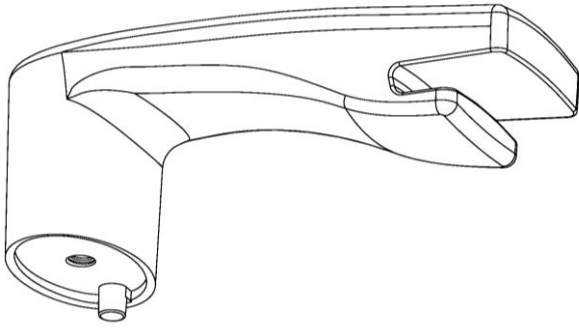


Three-dimensional view from top

21: F2023/00417 22: 2023-04-04 23:
43: 2023-11-14
52: Class 07 24: Part F
71: JIANGMEN BONANZA METALWARE CO., LTD.
33: CN 31: 202330061590.9 32: 2023-02-20

54: COOKING POT HANDLE

57: The features of the design for which protection is claimed reside in the shape and/or configuration of the cooking pot handle substantially as shown in the accompanying representations.



21: F2023/00552 22: 2023-05-10 23: 2022-11-28
 43: 2024-03-12
 52: Class 7. 24: Part F
 71: CENTRAL DISTRIBUTION NETWORK (PTY) LTD.

54: Brewing Device

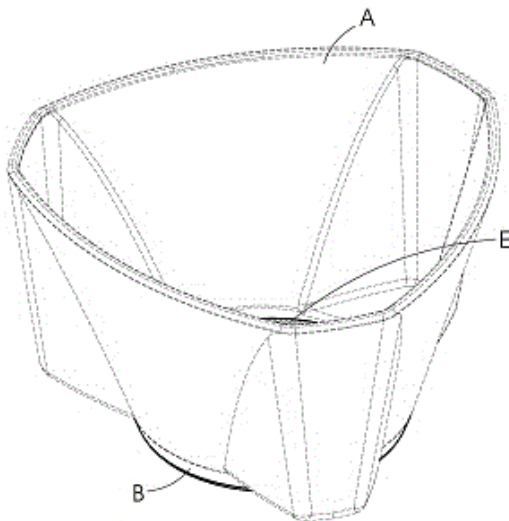
57: The design relates to a brewing device. The features of the design are those of shape and/or configuration.



21: F2023/00801 22: 2023-07-18 23:
 43: 2024-03-20
 52: Class 15 24: Part F
 71: STONEAGE, INC.

54: UNIVERSAL CLEANER WITH NOZZLE HEAD

57: The design relates to a universal cleaner with nozzle head. The features of the design are those of shape and/or configuration.



PERSPECTIVE VIEW

21: F2023/00786 22: 2023-07-12 23:
 43: 2024-04-16
 52: Class 08 24: Part F
 71: LONGYEAR TM, INC.
 33: US 31: 29/869,924 32: 2023-01-12

54: DRILL BIT

57: The design is applied to a drill bit. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the drill bit, substantially as illustrated in the accompanying representations. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00802 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part F
71: STONEAGE, INC.

33: US 31: 29/883,330 32: 2023-01-26

54: UNIVERSAL CLEANER WITH NOZZLE HEAD AND RAMPED BODY FINS

57: The design relates to a universal cleaner with nozzle head and ramped body fins. The features of the design are those of shape and/or configuration.



21: F2023/00804 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part F
71: STONEAGE, INC.

33: US 31: 29/883,331 32: 2023-01-26

54: DESCALER CLEANER WITH NARROW NOZZLE HEAD

57: The design relates to descaler cleaner with narrow nozzle head. The features of the design are those of shape and/or configuration.

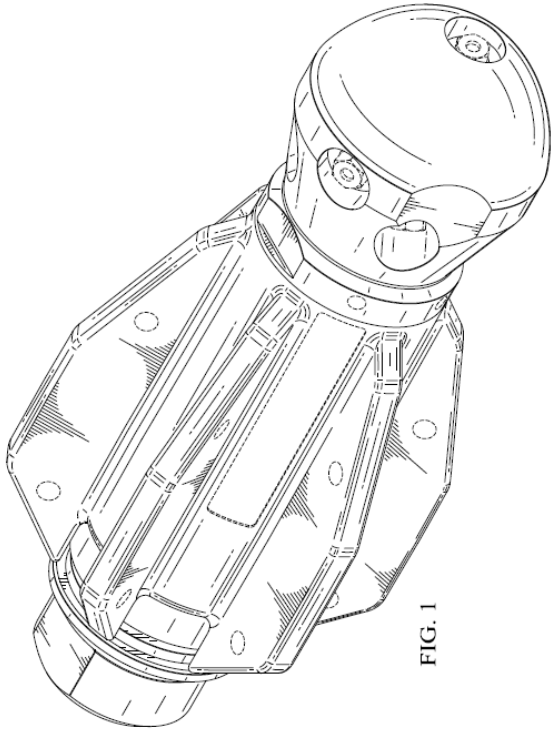


FIG. 1

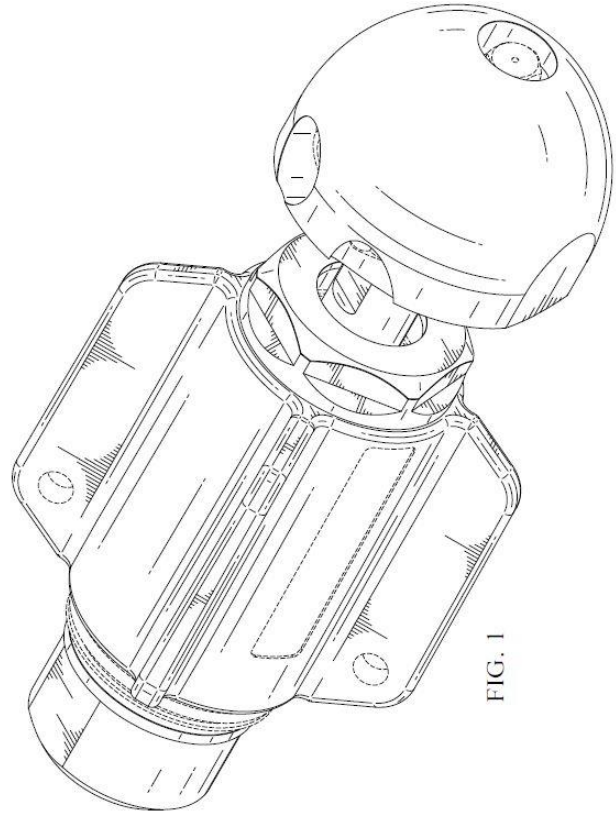


FIG. 1

21: F2023/00806 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part F
71: STONEAGE, INC.

33: US 31: 29/883,332 32: 2023-01-26

54: UNIVERSAL CLEANER WITH SHORT NOZZLE HEAD

57: The design relates to a universal cleaner with short nozzle head. The features of the design are those of shape and/or configuration.

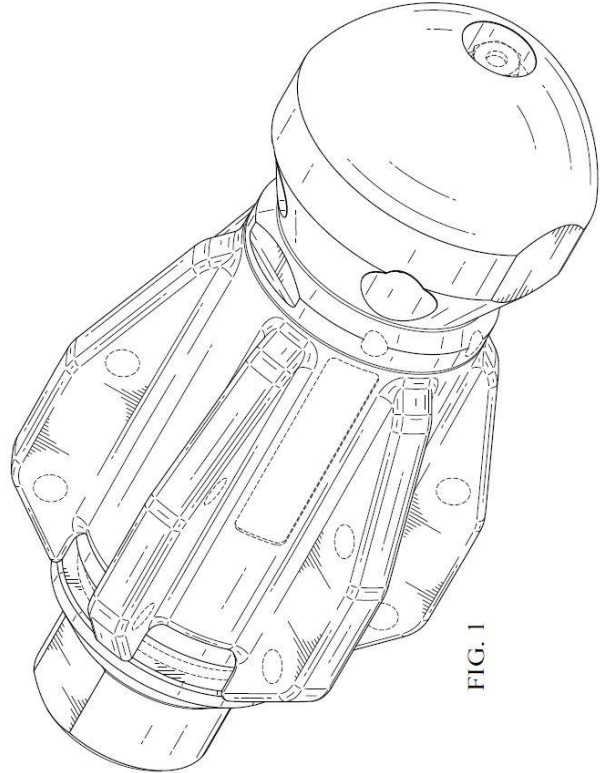
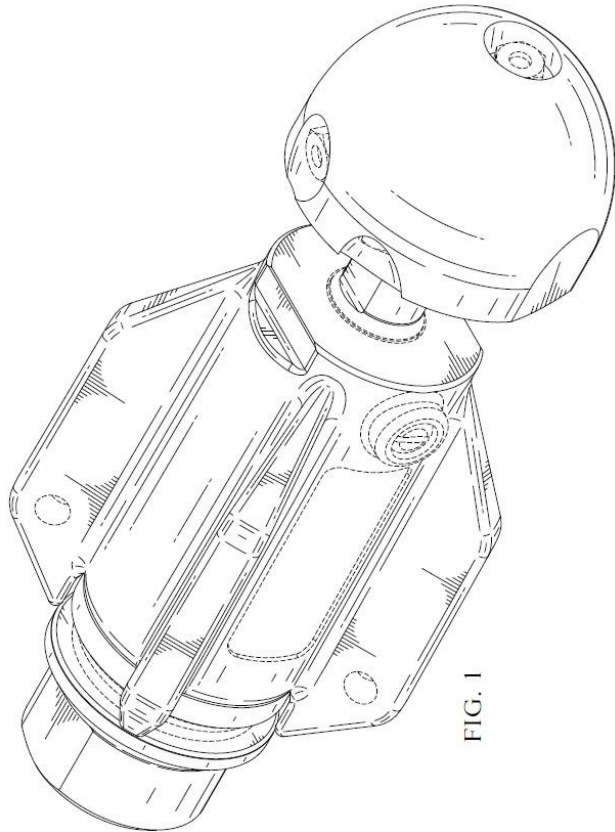
21: F2023/00807 22: 2023-07-18 23:
43: 2024-03-20

52: Class 15 24: Part F
71: STONEAGE, INC.

33: US 31: 29/883,333 32: 2023-01-26

54: DESCALER CLEANER WITH SHORT NOZZLE HEAD AND RAMPED BODY

57: The design relates to a descaler cleaner with short nozzle head and ramped body fins. The features of the design are those of shape and/or configuration.



21: F2023/00809 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part F
71: STONEAGE, INC.
33: US 31: 29/883,334 32: 2023-01-26
54: DESCALER CLEANER WITH LARGE NOZZLE HEAD
57: The design relates to a descaler cleaner with large nozzle head. The features of the design are those of shape and/or configuration.

21: F2023/00810 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part F
71: STONEAGE, INC.
33: US 31: 29/883,335 32: 2023-01-26
54: DESCALER CLEANER WITH SMOOTH BODY AND FORWARD NOZZLE HEAD
57: The design relates to a descaler cleaner with smooth body and forward nozzle head. The features of the design are those of shape and/or configuration.

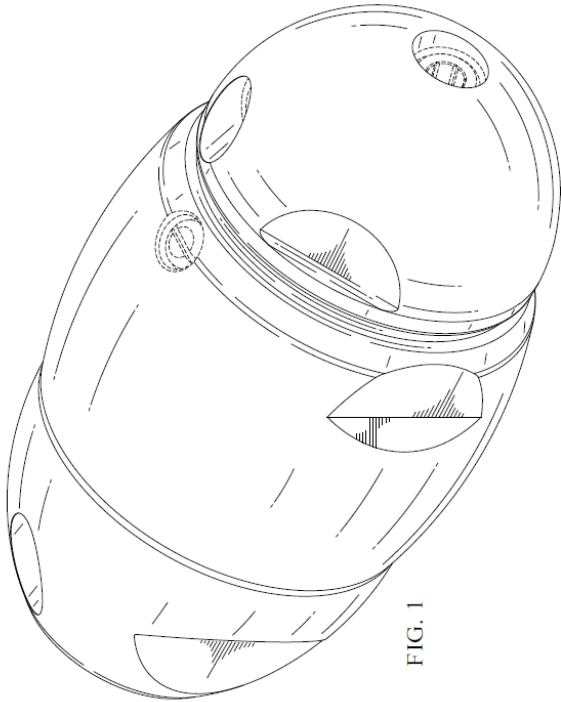
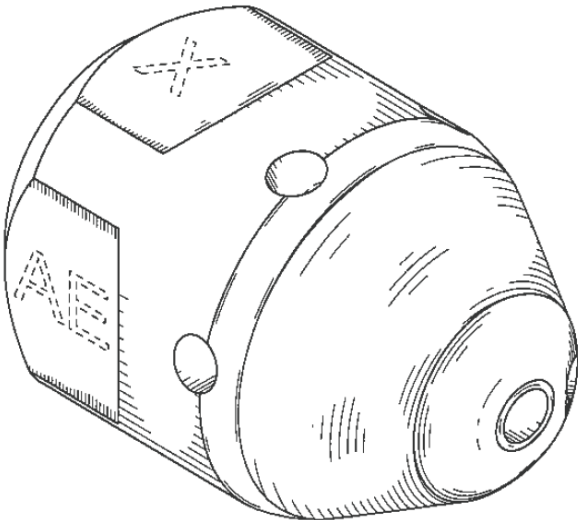


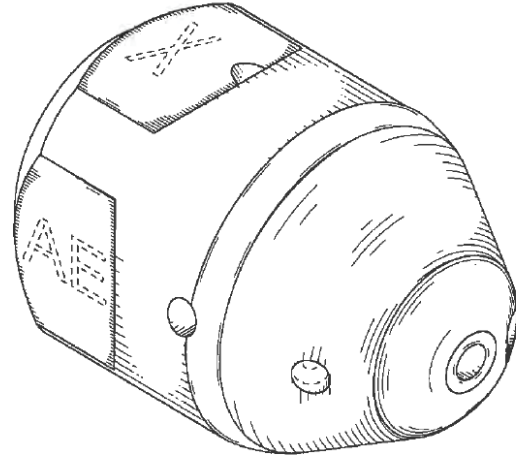
FIG. 1

21: F2023/00811 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part F
71: STONEAGE, INC.
33: US 31: 29/887,063 32: 2023-03-16
54: POLISHER NOZZLE HEAD
57: The design relates to a polisher nozzle head.
The features of the design are those of shape and/or
configuration.

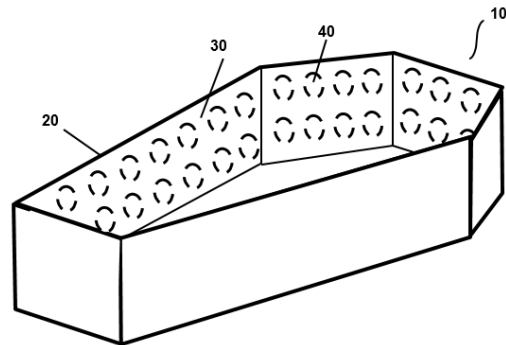


21: F2023/00812 22: 2023-07-18 23:
43: 2024-03-20
52: Class 15 24: Part F

71: STONEAGE, INC.
33: US 31: 29/887,064 32: 2023-03-16
54: UNPLUGGER NOZZLE HEAD
57: The design relates to a unplugger nozzle head.
The features of the design are those of shape and/or
configuration.

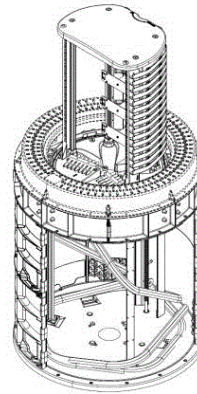
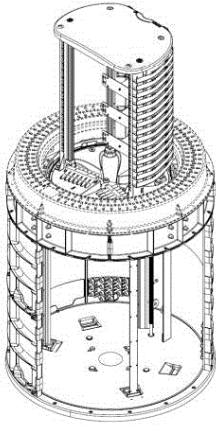


21: F2023/00889 22: 2023-08-07 23:
43: 2024-03-11
52: Class 06 24: Part F
71: SIDNEY JOHANNES
54: ILLUMINATED CASSET DISPLAY CASE
57: The features for which protection is claimed
reside in the shape and/or configuration and/or
ornamentation as applied to an illuminated casket
display case, substantially as shown in the
accompanying representation, irrespective of the
appearance of parts shown in broken lines.



21: F2023/00910 22: 2023-08-18 23:
43: 2023-08-18
52: Class 14 24: Part F
71: SMART LOCKING LOGIC (PTY) LTD
54: UNDERGROUND MANHOLE CHAMBERS
57: The design is for an underground manhole
chamber, specifically an extractable or displaceable
chamber. The chamber comprises three main parts:
a cylindrical access chamber, a fixed part intended

to be fixedly mounted in the access chamber, and a displaceable part which is slidable relative to the fixed part. Both fixed and displaceable parts have a frame-like structure. The displaceable part may be lifted, or extended, to access equipment or cables, and may be lowered, or retracted, when access is no longer required. The displaceable part includes a plurality of cable fixation formations. A top of the displaceable part is vaguely kidney-shaped. A plurality of ports are provided in a base of the access chamber.



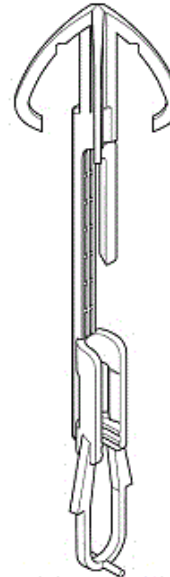
21: F2023/00921 22: 2023-08-22 23:
43: 2024-03-11
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Detonator Holder

57: The design relates to a detonator holder. The features of the design are those of shape and/or configuration.

21: F2023/00911 22: 2023-08-18 23:
43: 2023-08-18
52: Class 14 24: Part F

71: SMART LOCKING LOGIC (PTY) LTD
54: UNDERGROUND MANHOLE CHAMBERS

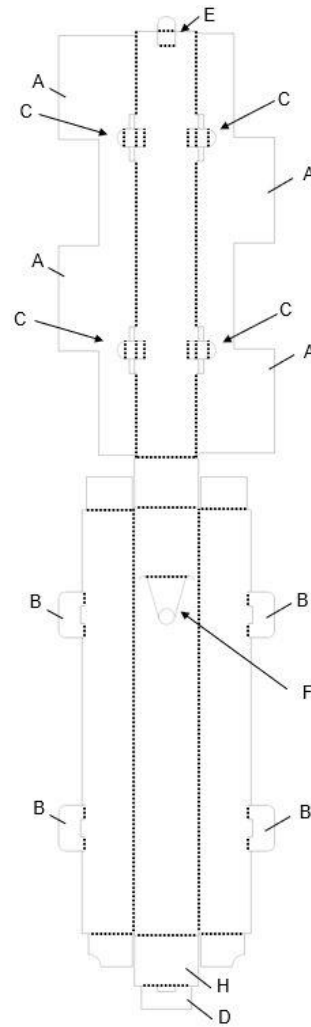
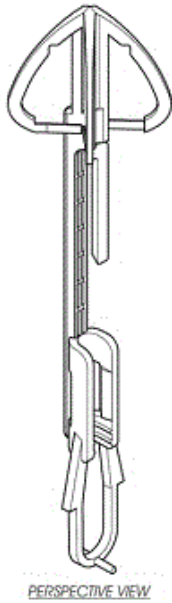
57: The design is for an underground manhole chamber, specifically an extractable or displaceable equipment chamber. The chamber comprises three main parts: a cylindrical access chamber, a fixed part intended to be fixedly mounted in the access chamber, and a displaceable part which is slidable relative to the fixed part. Both fixed and displaceable parts have a frame-like structure. The displaceable part may be lifted, or extended, to access equipment or cables, and may be lowered, or retracted, when access is no longer required. The displaceable part includes a plurality of cable fixation formations. Flexible transportation tubes extend between the displaceable and fixed parts to guide and protect any cables therein. A plurality of ports are provided in a base of the access chamber.



PERSPECTIVE VIEW

21: F2023/00922 22: 2023-08-22 23:
43: 2024-03-11
52: Class 8. 24: Part F
71: PLASTIC INNOVATIONS (PTY) LTD
54: A Detonator Holder

57: The design relates to a detonator holder. The features of the design are those of shape and/or configuration.



21: F2023/00948 22: 2023-08-30 23:
 43: 2024-03-11
 52: Class 09 24: Part F
 71: GED 263 (VAN 180) VAALDAM SETTLEMENT
 (PTY) LTD

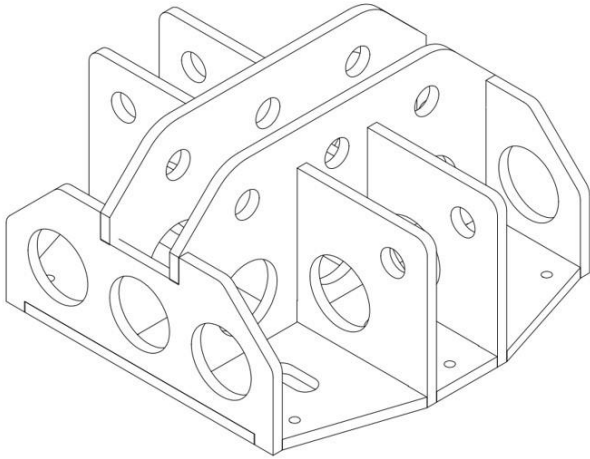
54: A SPACER BOX

57: The design is applied to a spacer box. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the spacer box, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed. Features of fastening flaps (B, C, D, E) do not form part of the design and are disclaimed. Features of a support flap (F) do not form part of the design and are disclaimed.

21: F2023/00957 22: 2023-09-01 23:
 43: 2024-04-10
 52: Class 25 24: Part F
 71: PERI SE

54: SCAFFOLD SHOE

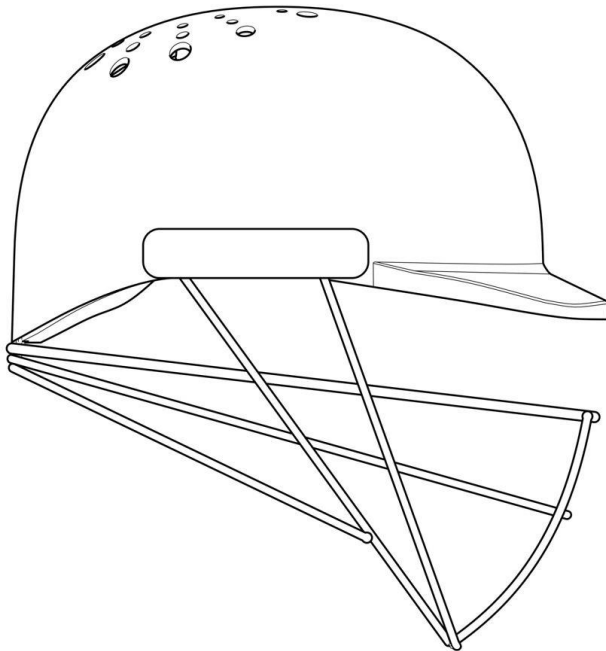
57: The design is applied to a scaffold shoe. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the scaffold shoe, substantially as illustrated in the accompanying representation.



21: F2023/00989 22: 2023-09-08 23:
43: 2024-04-10
52: Class 02 24: Part F
71: GLOVE IP (PTY) LTD

54: A HELMET

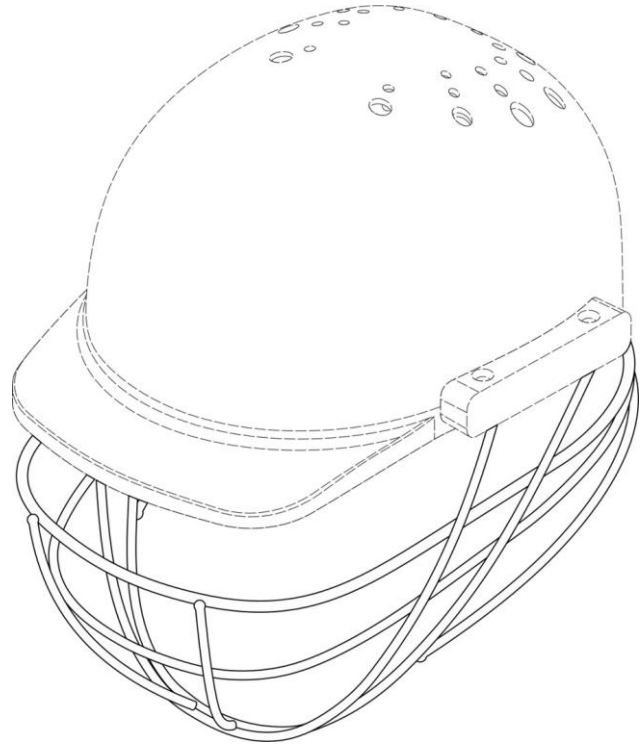
57: The design is applied to a helmet. The features of the design for which protection is claimed are those of the shape and/or configuration of the helmet, substantially as illustrated in the accompanying representation.



21: F2023/00991 22: 2023-09-08 23:
43: 2024-04-10
52: Class 02 24: Part F
71: GLOVE IP (PTY) LTD

54: A HELMET GRILL

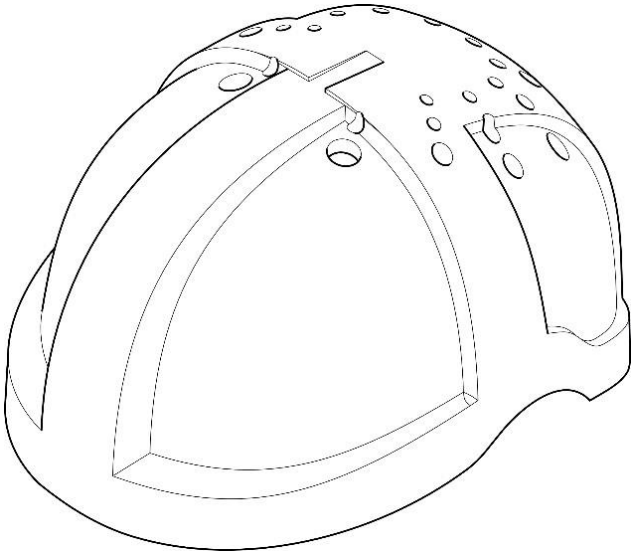
57: The design is applied to a helmet grill. The features of the design for which protection is claimed are those of the shape and/or configuration of the helmet grill, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00993 22: 2023-09-08 23:
43: 2024-04-10
52: Class 02 24: Part F
71: GLOVE IP (PTY) LTD

54: A HELMET INNER SHELL

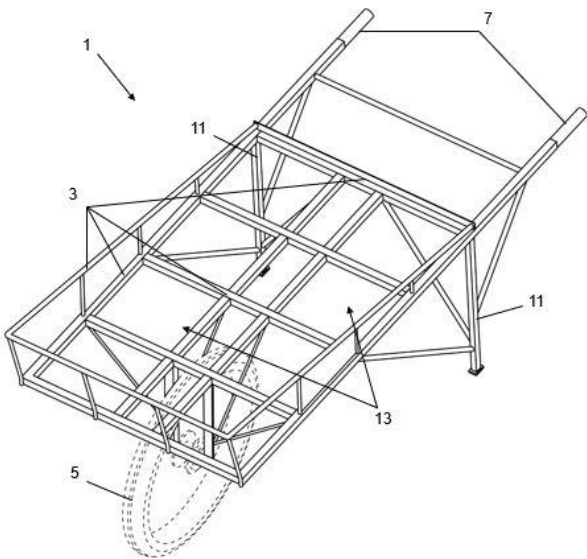
57: The design is applied to a helmet inner shell. The features of the design for which protection is claimed are those of the shape and/or configuration of the helmet inner shell, substantially as illustrated in the accompanying representation.



21: F2023/00998 22: 2023-09-13 23:
43: 2024-04-10

52: Class 12 24: Part F
71: BUSH BARROW (PTY) LTD
54: **A WHEELBARROW**

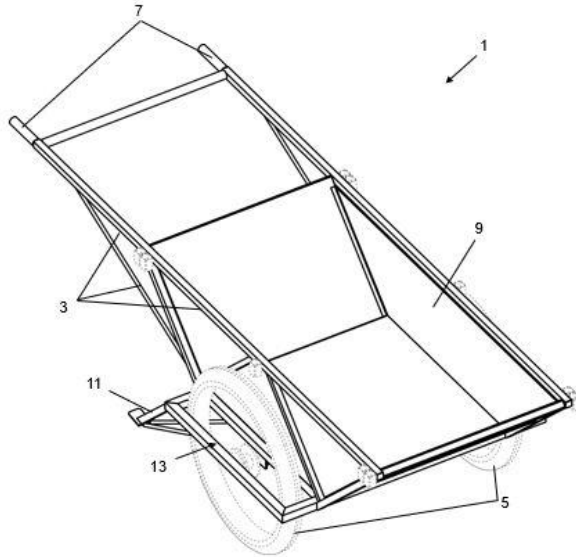
57: The design is applied to a wheelbarrow. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the wheelbarrow, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/00999 22: 2023-09-13 23:
43: 2024-04-10
52: Class 12 24: Part F

71: BUSH BARROW (PTY) LTD
54: **A BARROW**

57: The design is applied to a barrow. The features of the design for which protection is claimed are those of the shape and/or configuration and/or pattern of the wheelbarrow, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.

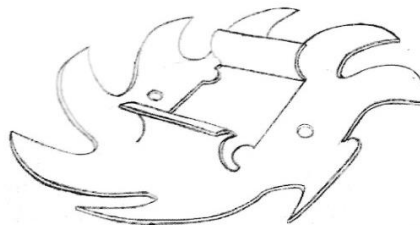


21: F2023/01008 22: 2023-09-15 23:
43: 2024-04-17

52: Class 08 24: Part F
71: Nico Micahael Makkink and Etienne Pierre Makkink

54: **TENSIONER**

57: The features of the design for which protection is claimed are the shape, pattern and configuration of a tensioner as illustrated in the accompanying drawings.

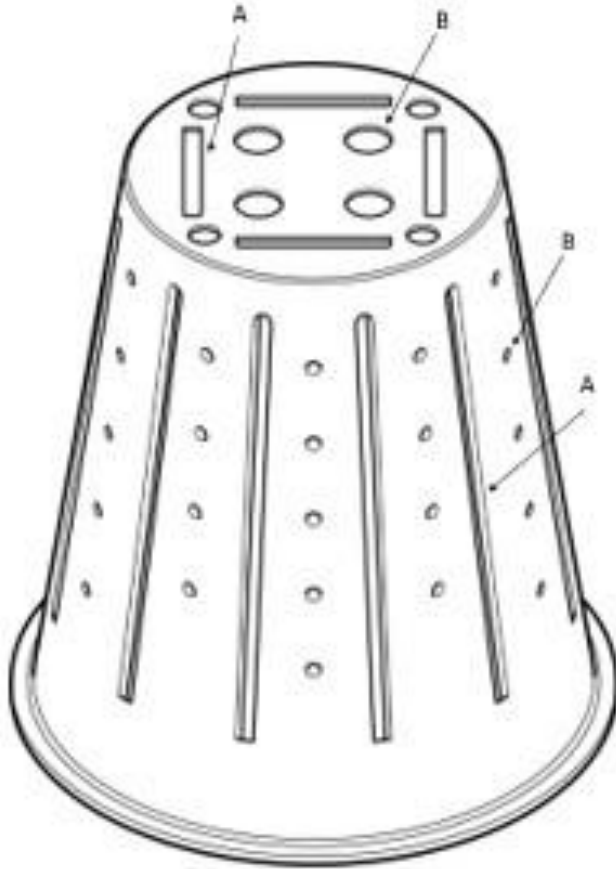


21: F2023/01020 22: 2023-09-21 23:
43: 2024-04-10

52: Class 09 24: Part F
71: FD INDUSTRIES (PTY) LTD
54: **POT**

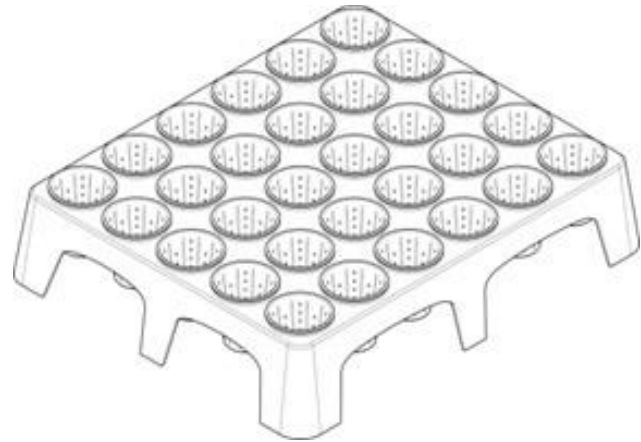
57: The design is applied to a pot. The features of the design for which protection is claimed are those

of the shape and/or configuration and/or ornamentation of the pot, substantially as illustrated in the accompanying representation. The exact number, shape and configuration of slots (A) and openings (B) on the side and bottom of the pot are not essential to the design and may vary.



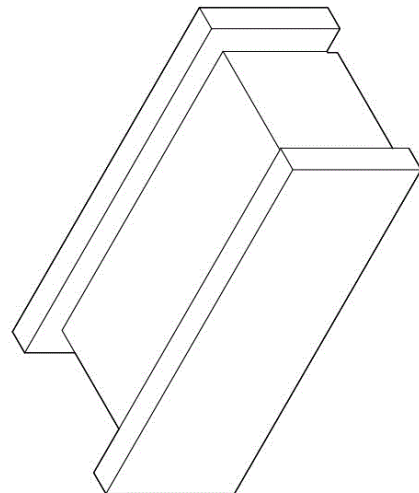
21: F2023/01022 22: 2023-09-21 23:
43: 2024-04-16
52: Class 09 24: Part F
71: FD INDUSTRIES (PTY) LTD
54: POT AND TRAY SYSTEM

57: The design is applied to pot and tray system. The features of the design for which protection is claimed are those of the shape and/or configuration and/or ornamentation of the pot and tray system, substantially as illustrated in the accompanying representation. Features shown in broken lines do not form part of the design and are disclaimed.



21: F2023/01035 22: 2023-09-26 23:
43: 2024-04-17
52: Class 25 24: Part F
71: TASSI, Giuseppe
54: BRICK

57: The design relates to a brick. The features of the design are those of shape and/or configuration and/or pattern.



TOP PERSPECTIVE VIEW

21: F2023/01043 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-1 32: 2023-07-21
54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.



57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.



21: F2023/01044 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-2 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.

21: F2023/01046 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-4 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation. Features bounded by broken lines do not form part of the design and are disclaimed.



21: F2023/01045 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135644-3 32: 2023-07-21

54: TOILET



57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.



21: F2023/01051 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-1 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.

21: F2023/01053 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-3 32: 2023-07-21

54: TOILET

57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation.

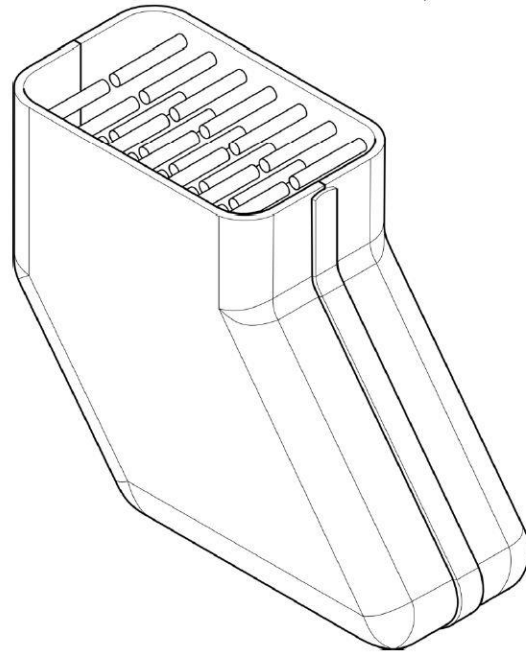


21: F2023/01052 22: 2023-09-27 23:
43: 2024-04-10
52: Class 23 24: Part F
71: GEBERIT INTERNATIONAL AG
33: IB 31: 135646-2 32: 2023-07-21

54: TOILET



21: F2023/01057 22: 2023-09-28 23:
 43: 2024-04-10
 52: Class 04 24: Part F
 71: CONRADIE FAMILY TRUST
54: GOLF CLUB HEAD CLEANER
 57: The design is applied to a golf club head cleaner. The features of the design for which protection is claimed are those of the shape and/or configuration of the golf club head cleaner, substantially as illustrated in the accompanying representation.



21: F2023/01054 22: 2023-09-27 23:
 43: 2024-04-10
 52: Class 23 24: Part F
 71: GEBERIT INTERNATIONAL AG
 33: IB 31: 135646-4 32: 2023-07-21
54: TOILET
 57: The design is applied to a toilet. The features of the design for which protection is claimed are those of the shape and/or configuration of the toilet, substantially as illustrated in the accompanying representation. Features bounded by broken lines do not form part of the design and are disclaimed.



21: F2023/01059 22: 2023-10-02 23:
 43: 2024-05-16
 52: Class 09 24: Part F
 71: ELSE HOLDINGS (PTY) LTD
54: SPILL-PREVENTABLE CONTAINER
 57: The features of the design for which novelty is claimed are the shape and / or configuration and / or pattern of a Spill-Preventable Container as shown in the accompanying representations, irrespective of the features shown in broken lines.



TOP PERSPECTIVE VIEW

21: F2023/01139 22: 2023-10-25 23:
 43: 2024-05-16

52: Class 09 24: Part F

71: Enviropak (Pty) Ltd

54: PALLET ARRANGEMENT

57: The features of the design for which protection is claimed include the shape and/or configuration and/or pattern of an article substantially as shown in the accompanying representation(s).



HYPOTHECATIONS

No records available

JUDGMENTS

No records available

OFFICE PRACTISE NOTICES

No records available

OTHER NOTICES

Denmeyer & Associates Pty Ltd: Notice of change of physical address

OLD ADDRESS

Hyde Park Corner Offices, Suite 415. Corner of William Nicol and Jan Smuts Avenue, 2196 Johannesburg, South Africa

NEW ADDRESS

Office F8 26 Sturdee Avenue, Rosebank, 2196 Johannesburg, South Africa

4. COPYRIGHT

COPYRIGHT IN CINEMATOGRAPH FILMS

NOTICES OF ACCEPTANCE

Any person, who has grounds for objection to the registration of the copyright in any of the following cinematographs films, may within the prescribed time, lodge Notice of Opposition on Form RF 5 contained in the Second Schedule to the Registration of Copyright in Cinematograph Films Regulations, 1980. The prescribed time is one month after the date of advertisement. This period may on application be extended by the Registrar.

The numerical denote the following: **(21)** Official application number. **(22)** Date of application. **(43)** Date of acceptance. **(24)** Date(s) and place(s) at which cinematograph films was made. **(25)** Date and place of first publication. **(71)** Name (s) of all applicant (s). **(75)** Name of author. **(76)** Name of producer **(77)** Name of director **(54)** Title of cinematograph film. **(78)** Name(s) of principal players or narrator. **(26)** Places at which cinematograph film may be viewed and conditions. **(55)** Specimen lodged/Not lodged. **(56)** Preview requested/Not requested. **(57)** Abstract (Storyline). **(58)** Category.

21: 2024/00006. 22: 2024/03/22 43: 2024/03/22
 24: 2023/05/10 to 2023/05/30; South Africa
 25: 2023/08/12; Hallmark
 71: Safari Romance (Pty) Ltd
 Unit 29, Tudor Park, 61 Hillcrest Ave, Blairgowrie,
 Randburg, 2193, South Africa
 75: Safari Romance (Pty) Ltd Unit 29, Tudor Park,
 61 Hillcrest Ave, Blairgowrie, Randburg, 2193,
 Phone: 087 803 3796, Fax: (0865) 465 726, Email:
 luke@roushouse.co.za; Safari Romance
 Productions INC1200 Bay Street, Suite 400,
 Toronto, M5R 2A5, Phone :+01 416 920 3849,
 Email: danny@hallwebber.com
 76: Luke Rous; Leif Bristow; Agnes Bristow; Joshua
 Rous; Meren Reddy; Stephen Hays; Peter Graham;
 Rick Garman; Michael McLaughlin; Borga Dorter;
 77: Leif Bristow
 54: **A Safari Romance**
 78: Andrew Walker; Brittany Bristow; Maxx Moticoe;
 Nthathi Moshesh; Samke Makhoba; Simone Pretorius
 26: Hallmark
 55: Specimen lodged/Not lodged.
 56: Preview Requested/Not requested
 57: A wildlife biologist working on fostering the
 protection of wildlife in Africa is forced to team up
 with a theme park designer who wants to create an
 over-the-top safari attraction.

58: DR

21: 2024/00008. 22: 2024/05/03 43: 2024/05/03
 24: 2022/08/07 to 2022/08/27; Cape Town, South
 Africa.
 25: 2024/01/03; NETFLIX
 71: PRIME CINEMA (PTY) LTD
 26 LINDEN HILL GARDENS, 69 THIRD AVENUE,
 LINDEN, JOHANNESBURG, 2195, South Africa

75: PRIME CINEMA (PTY) LTD26 LINDEN HILL
 GARDENS, 69 THIRD AVENUE, LINDEN,
 JOHANNESBURG, 2195, Phone: 0835369940,
 Email: thabiso@larklightproductions.com
 76: Thabiso Christopher
 77: Thabiso Christopher
 54: **PRIME**
 78: Richard Gau; Nomsa Twala; Jasmine Hazi;
 Michael Potter; Llewellyn Cordier; Sharon Wagner;
 Gerard Rudolf;
 26: NETFLIX (SVOD)
 LINK: <https://www.netflix.com/title/81616771>
 55: Specimen lodged/Not lodged.
 56: Preview Requested/Not requested
 57: As a young man, Marius remains traumatised by
 the childhood death of his mother and the life of
 isolation he endured after her death. Despite his
 psychological scars, Marius is determined to be
 better than his abusive father, who abandoned his
 family after fathering a child in an affair. Marius
 is lucky to have the love and support of his devoted
 partner, Thembi. She is in love with him, or maybe in
 the idea of him, seeing only the man he could be if
 he let go of his hurt and pain. But when his father
 dies, Marius is thrown back into the trauma of his
 past, haunted by relentless visions of his late
 mother. Time slips away from him as he loses
 control of a construction project that would have
 honoured his mother's memory. As he tries to hold
 on to his sanity, he spirals into despair, pushing
 Thembi away as their relationship flounders. Marius
 becomes a shadow of his former self, unable to
 make sense of the world around him, jumping from
 one moment to the next without control. He does not
 know that he is being preyed upon by Na'amah, an
 ancient

demon who preys on men's souls through seduction, this time in the form of a beautiful woman named Eva. She sees into the past of Marius, a boy raised in an unhappy home where his father Pieter ruled. Pieter was unfaithful and abusive to Marius's mother Ruth, who lives with a mental illness. Having impregnated a woman much younger than him, Peter is about to leave when Ruth threatens to keep Marius from him and commit suicide if he walks out. He attacks her, forever destroying his relationship with young Marius, who then watches his mother break down. Her pain and distress are too much for her and she takes her life. And Marius, just a young boy, discovers her lifeless body by the ocean. Eva knows what she needs to trap Marius – the false promise of intimacy. Eva will present herself as a damsel in distress, then as a sympathetic friend, before finally seducing him in his hour of need, when he is at his most vulnerable after Thembi finally walks out on him. But this supernatural trip may turn fatal for Thembi, who unwittingly walks back into his life to try and fix their relationship.

58: DR

21: 2024/00009. 22: 2024/05/17 43: 2024/05/17
 24: 2023/01/24 to 2023/03/06; Cape Town, South Africa
 25: 2023/12/08; South Africa
 71: Lovemyselfie Film (RF) (Pty) Ltd
 2A Hollandia, Oak Avenue, Cape Town, 7800, South Africa
 75: Lovemyselfie Film (RF) (Pty) Ltd 2A Hollandia, Oak Avenue, Cape Town, ZA, 7800, Phone: 082 574 9116, Email: vlokke@advantage-ent.com
 76: Vlokke Gordon
 77: Elisabet Berning
 54: **#LOVEMYSELFIE**
 78: Illse Roos; June van Merch; Jonanie Combrink; Helen Truter; Robin Scott
 26: The film was released nation-wide in South Africa on 8 March 2024 at selected Ster-Kinekor and NuMetro cinemas. Since the theatrical release, the film will show on MNET and associated channels, and various international film festivals for which it has been selected. The film is licensed to MNET for Africa and ancillary islands and the current international distribution is handled by Advantage Entertainment.
 55: Specimen lodged/Not lodged.
 56: Preview Requested/Not requested
 57: When renowned actress Adele Swan loses everything - her man, her house and her life savings, the suave and wealthy George Adler throws her a

lifeline. He will repay her debts if she agrees to be the face of his campaign: A competition for a luxury cruise to promote his Silvertree Retirement Estate. Once on board, she also needs to sell at least 10 units at R5 million a pop. It is a significant blow to Adele's ego who must partake in the Survivor for Seniors competition aboard the cruise-ship. George's reputation is not what he projects and when Adele uncovers how dangerous he Truly is, she is faced with a choice. If she takes George down, she will lose everything, including her reputation. This is more than a journey to an exotic location on a cruise ship. Four women go on an inner journey to discover that it's never too late to grow or even to change. Your past does not determine your future.

58: CO

HYPOTHECATIONS

No records available

HYPOTHECATIONS

No records available

JUDGMENTS

No records available

5. CORRECTION NOTICES

TRADE MARK CORRECTION NOTICES

No records available

PATENT CORRECTION NOTICES

The patent under application number **2020/00118** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2020/00118. 22: 2020/01/08. 43: 2024/02/29

51: C12P; B01D; C10J; C12M

71: LANZATECH, INC.

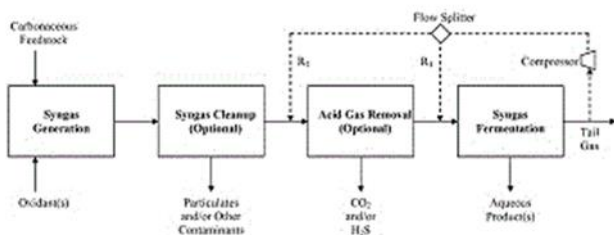
72: WINTER, JOHN, HOHMAN, JERROD

33: US 31: 15/876,198 32: 2018-01-21

33: US 31: 62/518,295 32: 2017-06-12

54: **METHODS AND APPARATUS FOR RECYCLING TAIL GAS IN SYNGAS FERMENTATION TO ETHANOL**
00: -

The invention present provides a method (and suitable apparatus) to convert biomass to ethanol, comprising gasifying the biomass to produce raw syngas; feeding the raw syngas to an acid-gas removal unit to remove at least some CO₂ and produce a conditioned syngas stream; feeding the conditioned syngas stream to a fermentor to biologically convert the syngas to ethanol; capturing a tail gas from an exit of the fermentor, wherein the tail gas comprises at least CO₂ and unconverted CO or H₂; and recycling a first portion of the tail gas to the fermentor and/or a second portion of the tail gas to the acid-gas removal unit. This invention allows for increased syngas conversion to ethanol, improved process efficiency, and better overall biorefinery economics for conversion of biomass to ethanol.



The patent under application number **2022/02293** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/02293. 22: 2022/02/23. 43: 2024/02/29

51: A61G

71: TSHWANE UNIVERSITY OF TECHNOLOGY

72: DJOUANI, KARIM DAFR ALLAH, STEYN, NICO, POTGIETER, JOHANNES JURGENS

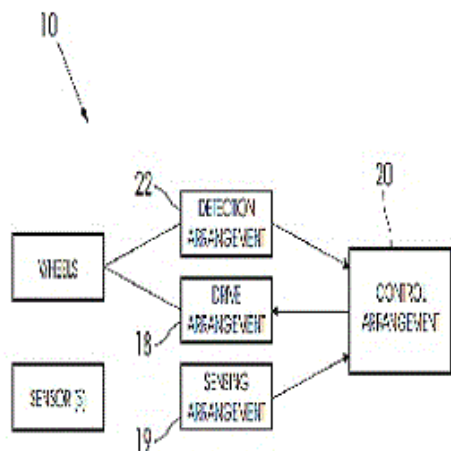
33: ZA 31: 2021/02046 32: 2021-03-26

54: **A WHEELCHAIR**

00: -

A wheelchair which includes a seat and at least one rotatable wheel which supports the seat which facilitates the movement of the wheelchair along the ground. The wheelchair also includes a detection arrangement for detecting when external torque ("external, user-applied torque") is applied to the wheel by a user. The wheelchair further includes a drive arrangement for applying torque ("internal torque") to the wheel in order to facilitate the

movement of the wheelchair along the ground surface. The wheelchair also includes a control arrangement which is configured such that, if the detection arrangement detects external, user-applied torque being applied to the wheel by a user in order to drive/move the wheelchair in a first direction, it utilises the drive arrangement in order to apply internal torque to the at least one wheel which is complementary to the external user-applied torque, in order to support/supplement the movement of the wheelchair in the first direction.



The patent under application number **2022/11894** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/11894. 22: 2022/11/01. 43: 2024/02/02

51: A01N; A01P

71: SUMITOMO CHEMICAL COMPANY, LIMITED

72: NIIDE, MIKA, UEBAYASHI, TSUGUAKI

33: JP 31: 2020-099174 32: 2020-06-08

54: CONTROLLING METHOD FOR INFECTIOUS DISEASE VECTOR

00: -

The present invention provides a method for controlling infectious disease vectors, which comprises diluting a formulation comprising a neonicotinoid compound having a volume mean diameter being within a range of 3 to 10 μm , a surfactant and a carrier with water; and spraying the diluted solutions to a surface to be treated such that a treated amount of neonicotinoid compound is within a range of 50 to 800 mg/m^2 .

The patent under application number **2022/12291** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/12291. 22: 2022/11/10. 43: 2024/02/05

51: A01M; A61P; C07D; A01P; A01N; A61K

71: NIHON NOHYAKU CO., LTD.

72: FUJIHARA, HIROKAZU, FUCHI, SHUNSUKE, ABE, YUTAKA

33: JP 31: 2020-115725 32: 2020-07-03

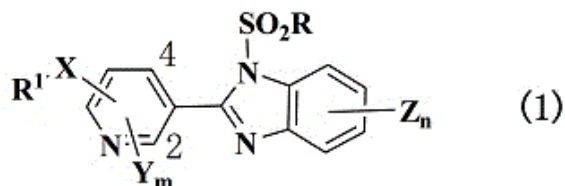
33: JP 31: 2020-151716 32: 2020-09-10

54: ANTICOCCIDIAL AGENT AND METHOD FOR USING THE SAME

00: -

Developed and provided are: an anticoccidial agent, and a using method thereof, where the anticoccidial agent has an excellent anticoccidial activity and can eliminate or minimize mass outbreak of coccidiosis. Thus, provided

are: an anticoccidial agent containing, as an active ingredient, a benzimidazole compound represented by General Formula (1), or a salt of the compound, and a method for using the agent. General Formula (1) is expressed as follows: wherein R¹ typically represents haloalkyl; X typically represents oxygen; R typically represents alkyl; Y represents halogen; m denotes 0 or 1; Z represents alkyl or halogen; and n denotes 0, 1, or 2.



The patent under application number **2022/12292** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/12292. 22: 2022/11/10. 43: 2024/02/05

51: C07D; A01M; A01N; A01P

71: NIHON NOHYAKU CO., LTD.

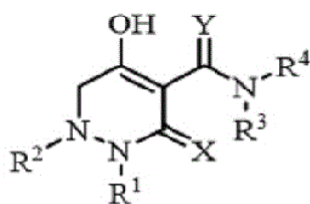
72: TANAKA, KOJI, TANAKA, RYOSUKE, MATSUI, SHUNSUKE, YAMADA, TAKAYUKI

33: JP 31: 2020-110400 32: 2020-06-26

54: ARYLTETRAHYDROPYRIDAZINE DERIVATIVE OR SALT THEREOF, INSECTICIDAL AGENT CONTAINING THE COMPOUND, AND METHOD OF USE THEREOF

00: -

Crop production in agriculture, horticulture, and the like has still been significantly damaged by pests and the like, and pests that are resistant to existing drugs have appeared. Due to such concerns, it is desired to develop novel insecticidal agents and acaricides. The present invention has found that a compound represented by general formula (1): wherein X and Y represent an oxygen atom or a sulfur atom, R¹ represents a hydrogen atom or the like, R² represents a substituted phenyl group or the like, R³ represents a hydrogen atom or the like, and R⁴ represents a phenyl group or the like, or a salt thereof has a high insecticidal effect on pests in agriculture and horticulture, and the like. The present invention provides an agricultural and horticultural insecticidal agent containing the compound or a salt thereof as an active ingredient, and a method of use thereof.



(1)

The patent under application number **2022/12512** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/12512. 22: 2022/11/16. 43: 2024/02/13

51: A61K; A61Q

71: UNILEVER GLOBAL IP LIMITED

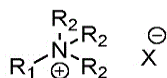
72: BARFOOT, RICHARD JONATHAN, COOKE, MICHAEL JAMES, MENDOZA FERNANDEZ, CESAR ERNESTO, PRICE, PAUL DAMIEN

33: EP 31: 20181255.9 32: 2020-06-19

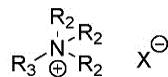
54: HAIR CONDITIONING COMPOSITION FOR IMPROVED DEPOSITION

00: -

A composition provides superior deposition of benefit agent to hair, said composition comprising: (i) 0.01 to 10 wt % of a linear cationic conditioning primary surfactant; selected from structure 1 and mixtures thereof: Structure 1 wherein: • R1 comprises a linear alkyl chain having a carbon-carbon chain length of from C16 to C24, preferably C18 to C22; • R2 comprises a proton or a linear alkyl chain having a carbon-carbon chain length of from C1 to C4, preferably C1 to C2 or a benzyl group; and • X is an organic or inorganic anion; (ii) 0.1 to 10 wt % of a linear fatty material; (iii) a particulate benefit agent selected from conditioning actives and mixtures thereof; (iv) 0.01 to 5 wt %, of a linear cationic co-surfactant, selected from structure 2 and mixtures thereof structure 2 wherein: • R2 comprises a proton or a linear alkyl chain having a carbon-carbon chain length of from C1 to C4, preferably C1 to C2 or a benzyl group; • R3 comprises a linear alkyl chain having an atom-atom chain length of from 3 to 15, preferably 10 to 14; and • X is an organic or inorganic anion; wherein the carbon-carbon chain length of R1 in structure 1 differs from the atom-atom chain length of R3 in structure 2 by at least 3 atoms, such that the carbon-carbon chain length of R1 in structure 1 is longer than the atom-atom chain length of R3 in structure 2; and wherein the molar ratio of linear cationic co-surfactant (iv) to linear cationic conditioning primary surfactant (i) is in the range of from 1:20 to 1:1.



Structure 1



Structure 2

The patent under application number **2022/13321** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/13321. 22: 2022/12/08. 43: 2024/02/13

51: A61K

71: KORTUC INC

72: NAVITA, SOMAIAH, OGAWA, YASUHIRO

33: JP 31: 2020-103121 32: 2020-06-15

54: SENSITIZER FOR CANCER TREATMENT

00: -

It is still unclear which usage amounts of cancer-treatment sensitizers and which methods of use thereof are effective for tumours and what timetable for cancer treatments such as radiotherapy or anti-cancer chemotherapy is effective after administering a sensitizer. The inventors of the present invention solved this problem by demonstrating that, by injecting a specific amount of a cancer-treatment sensitizer, which is produced by combining H₂O₂ in a specified concentration range with hyaluronic acid, into a tumour-affected area in a specific procedure, it is possible to increase the effectiveness of cancer treatments such as radiotherapy or anti-cancer chemotherapy.

The patent under application number **2022/13958** was advertised in the April 2024 Patent Journal with incorrect characters on the abstract and it should have appeared as the one below but the publication date will remain as **24/04/2024**.

21: 2022/13958. 22: 2022/12/22. 43: 2024/02/15

51: B01J; C10G

71: JOHNSON MATTHEY PUBLIC LIMITED COMPANY

72: MERCER, RICHARD

33: GB 31: 2014184.2 32: 2020-09-09

54: MODIFIED CATALYST SUPPORTS AND CATALYSTS SUPPORTED THEREON

00: -

A modified catalyst support is described in the form of titanium particles with a volume-median diameter in the range 100 to 1000 μm modified with one or more refractory oxides of metals selected from the group consisting of zirconium, lanthanum, cerium, yttrium and neodymium, wherein the total refractory oxide content of the modified catalyst support is in the range of 0.1 to 15% by weight, and the modified catalyst support has a pore volume in the range of 0.2 to 0.6 cm^3/g and an average pore diameter in the range of 30 to 60 nm. The modified catalyst support may be used to prepare cobalt Fischer-Tropsch catalysts suitable for use in fixed bed processes.

DESIGN CORRECTION NOTICES

No records available

COPYRIGHT CORRECTION NOTICES

No records available

PATENTS

Advertisement List for May 2024

Number of Advertised Patents: 573

Application Number	Patent Title	Filing Date
2014/09218	METHODS OF TREATING OVERWEIGHT AND OBESITY	2014/12/15
2015/06022	SATELLITE DISH COVER	2015/08/20
2016/02447	IMPROVED PHARMACEUTICAL COMPOSITIONS OF PIMOBENDAN	2016/04/11
2016/02483	CARTRIDGE, PROCESS CARTRIDGE AND ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS	2016/04/12
2016/04967	INHALATION TRAINING DEVICE AND SYSTEM FOR PRACTICING OF AN INHALATION PROCESS OF A PATIENT	2016/07/18
2016/07060	DRUG RELATED TRANSGENE EXPRESSION	2016/10/13
2016/07061	TRANSGENE GENETIC TAGS AND METHODS OF USE	2016/10/13
2017/00572	THERAPEUTICALLY ACTIVE COMPOUNDS AND THEIR METHODS OF USE	2017/01/24
2018/03549	PROCESS FOR PRODUCING TACK-FREE HOTMELT MATERIAL AND DEVICE FOR PRODUCING THE SAME	2018/05/29
2018/04947	TETRAHYDROISOQUINOLINE DERIVATIVES	2018/07/23
2018/07811	CANCER TREATMENTS	2018/11/20
2018/08645	A METHOD OF OPERATING A CONDITION MONITORING SYSTEM OF A VIBRATING MACHINE AND A CONDITION MONITORING SYSTEM	2018/12/20
2019/01591	ANTI-191;MUC16 (MUCIN 16) ANTIBODIES	2019/03/14
2019/01924	ANTI-191;LAG-3 ANTIBODIES AND COMPOSITIONS	2019/03/28
2019/02528	DUAL BASE PLATE FOR TRANSFERRING FORCES TO THE GROUND FOR VEHICLE-MOUNTED MORTARS	2019/04/23
2019/03327	COMPOSITIONS AND METHODS FOR THE INDUCTION OF CD8+ T-CELLS	2019/05/27
2019/04552	BIOCARBON REGENERATION AND / OR FERTILIZER SUBSTRATE	2019/07/11
2019/06991	COMMUNICATION METHOD AND DEVICE	2019/10/23
2019/07484	6-PYRIMIDIN-ISOINDOLE DERIVATIVE AS ERK1/2 INHIBITOR	2019/11/12
2019/07613	DOSAGE REGIMES FOR THE ADMINISTRATION OF AN ANTI-CD19 ADC	2019/11/18
2019/08174	METHOD FOR THE PREPARATION OF	2019/12/09

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	AMMONIA SYNTHESIS GAS	
2019/08265	DOSING DEVICE FOR A LIQUID SUPPLY WITH NECK	2019/12/11
2020/00226	MICROBIAL CELLS FOR SPERMIDINE PRODUCTION	2020/01/13
2020/00607	MINING OR CONSTRUCTION VEHICLE AND A HYDRAULIC CYLINDER CONDUIT ENCLOSING A CONDUIT ARRANGEMENT	2020/01/29
2020/00647	'HIGH' FLAVOURED BEVERAGE COMPONENT, USE THEREOF AND METHOD OF PREPARING SUCH BEVERAGE COMPONENT	2020/01/30
2020/04821	METHOD, APPARATUS AND COMPUTER PROGRAM	2020/08/04
2020/05364	A THREE-PROTEIN PROTEOMIC BIOMARKER FOR PROSPECTIVE DETERMINATION OF RISK FOR DEVELOPMENT OF ACTIVE TUBERCULOSIS	2020/08/27
2020/06181	PROCESS FOR THE PREPARATION OF ILOPROST	2020/10/06
2020/06933	ENHANCEMENT OF MEDIUM ACCESS CONTROL SUBHEADERS	2020/11/06
2020/07393	DIVERSE ANTIGEN BINDING DOMAINS, NOVEL PLATFORMS AND OTHER ENHANCEMENTS FOR CELLULAR THERAPY	2020/11/26
2020/07422	RENEWABLE ENERGY CONVERSION APPARATUS	2020/11/27
2020/07615	DOSING AND EFFECT OF C5A ANTAGONIST WITH ANCA-ASSOCIATED VASCULITIS	2020/12/07
2020/07671	PHARMACEUTICAL COMBINATION, COMPOSITION, AND COMBINATION FORMULATION CONTAINING GLUCOKINASE ACTIVATOR AND BIGUANIDE HYPOGLYCEMIC DRUG AS WELL AS PREPARATION METHOD AND USE THEREOF	2020/12/09
2020/07676	PLANT GROWTH REGULATOR SYSTEM	2020/12/09
2020/07836	REAGENT EXCHANGE IN AN INSTRUMENT	2020/12/15
2021/00141	ARYL-N-ARYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION	2021/01/08
2021/00142	PHENYL/PYRIDYL-N-PHENYL/PYRIDYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION	2021/01/08
2021/00168	EXPANDER FOR SOEC APPLICATIONS	2021/01/11
2021/00323	SYSTEMS AND METHODS FOR DECORATING SUBSTRATES	2021/01/15
2021/00352	NOVEL 3, 5-DISUBSTITUTED PYRIDINE AND 3, 5-DISUBSTITUTED PYRIDAZINE	2021/01/18

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	DERIVATIVES AND PHARMACEUTICAL USE OF SAME	
2021/00510	HEAVY EQUIPMENT BOOM SYSTEM AND METHOD AND HYDRAULIC CIRCUIT THEREFOR	2021/01/25
2021/01487	NOVEL COMPOUNDS	2021/03/04
2021/04355	PROBIOTIC FEED FOR AQUACULTURE	2021/06/24
2021/04919	USE OF SULFIDIC COMPOSITIONS	2021/07/13
2021/05281	POLYPEPTIDES USEFUL FOR GENE EDITING AND METHODS OF USE	2021/07/26
2021/05351	ROD HANDLER APPARATUS IN CORE DRILLING	2021/07/28
2021/05566	BIOTECHNOLOGICAL OPTIMIZATION OF MICROORGANISMS FOR THE 1,2-DEHYDROGENATION OF STEROIDS	2021/08/06
2021/06296	ULTRASOUND IMAGING DEVICE	2021/08/30
2021/07479	AN ENCODER, A DECODER AND CORRESPONDING METHODS FOR INTER PREDICTION	2021/10/05
2021/08153	THRESHOLD SIGNATURE BASED MEDICAL DEVICE MANAGEMENT	2021/10/22
2021/08827	MONITORING SYSTEMS	2021/11/09
2021/08967	DYNAMIZATION TABS PROVIDING COMPONENT INTERCONNECTIVITY FOR EXTERNAL FIXATION DEVICES	2021/11/11
2021/09131	METHOD AND CRYSTALLIZING TANK AND ARRANGEMENT THEREOF FOR CRYSTALLIZING CALCIUM NITRATE FROM THE NITRO-PHOSPHATE PROCESS	2021/11/16
2021/09172	METHOD FOR PREVENTING THE FORMATION OF CALCIFIED DEPOSITS AND FOR INACTIVATING XENOANTIGENS IN BIOLOGICAL MATRICES	2021/11/17
2021/09364	MATERIAL PLATE	2021/11/22
2021/09499	IDENTIFICATION AND SELECTION OF A PLANT STARTING MATERIAL OF A PLANT CHONDROITIN SULFATE AND HYALURONIC ACID, AND TRANSFORMATION OF SUCH PLANT STARTING MATERIAL TO OBTAIN INGREDIENTS FOR USE IN FOODS, SUPPLEMENTS, MEDICAL DEVICES OR DRUGS	2021/11/24
2021/09896	RAILWAY SLEEPER	2021/12/02
2021/10264	SYSTEM AND METHOD FOR IDENTIFYING A BROWSER INSTANCE IN A BROWSER SESSION WITH A SERVER	2021/12/10
2021/10393	CHIMERIC POLYPEPTIDE ASSEMBLY AND METHODS OF MAKING AND USING THE SAME	2021/12/14

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2021/10468	A HYBRID FIBRE OPTIC CABLE SPLICE ENCLOSURE	2021/12/15
2021/10484	POWER PRODUCTION WITH COGENERATION OF FURTHER PRODUCTS	2021/12/15
2021/10887	METHOD OF DISEASE CONTROL	2021/12/23
2021/10896	CARBOCYANINE COMPOUNDS FOR TARGETING MITOCHONDRIA AND ERADICATING CANCER STEM CELLS	2021/12/23
2022/00456	NOVEL NON-CODING HETEROCYCLIC AMINO ACIDS (NCHAA) AND THEIR USE AS HERBICIDES	2022/01/10
2022/00536	VEHICLE	2022/01/11
2022/00541	ARYL-N-ARYL DERIVATIVES FOR TREATING A RNA VIRUS INFECTION	2022/01/11
2022/00773	DEVICES AND METHODS FOR THE SUPPLEMENTATION OF A NUTRITIONAL FORMULA	2022/01/17
2022/01010	CHIRAL REAGENTS FOR PREPARATION OF HOMOGENEOUS OLIGOMERS	2022/01/21
2022/01437	COMPOSITIONS AND METHODS FOR TREATING INFLAMMASOME RELATED DISEASES OR CONDITIONS	2022/01/31
2022/01715	A METHOD OF OBTAINING X-RAY IMAGES	2022/02/09
2022/02300	MIXER SYSTEM FOR PRODUCING AQUEOUS COATING MATERIALS WITH LOW VOC	2022/02/23
2022/02301	MIXING SYSTEM FOR PRODUCING AQUEOUS COATING AGENTS WITH A LOW VOC	2022/02/23
2022/02929	VEHICLE AND METHOD FOR MONITORING ABNORMALITY IN MOTIVE POWER TRANSMISSION MECHANISM	2022/03/10
2022/05717	NOVEL PLATFORMS FOR CO-STIMULATION, NOVEL CAR DESIGNS AND OTHER ENHANCEMENTS FOR ADOPTIVE CELLULAR THERAPY	2022/05/24
2022/07825	IMPROVED PROCESS FOR THE MANUFACTURE OF HALOGENOBIS(ALKENE)RHODIUM(I) DIMERS OR HALOGENOBIS(ALKENE)IRIDIUM(I) DIMERS	2022/07/14
2022/07945	MULTISTAGE SOLAR DESALINATION SYSTEM	2022/07/18
2022/08267	EMULSIFICATION SYSTEM	2022/07/25
2022/08367	APPARATUS AND METHOD FOR ALIGNING A DRILLING MACHINE	2022/07/27
2022/08433	ROTOR TIP BLOCK SECURING ARRANGEMENT	2022/07/28
2022/08981	COMPACT COFFEE PRESS	2022/08/11

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2022/09129	RAZOR	2022/08/15
2022/09170	BEVERAGE CONTAINER	2022/08/16
2022/09186	METHOD FOR PRODUCING A PRECIOUS METAL-CONTAINING COLLECTOR ALLOY OR PURE SILVER	2022/08/16
2022/09447	USE OF VITAMIN K IN COMBINATION WITH ANTICOAGULANTS	2022/08/23
2022/09544	A WATERLESS TOILET	2022/08/26
2022/09629	TOOL FOR BREAKING ROCKS	2022/08/29
2022/09919	SUPPORT FOR DRILLING AND BOLTING TOOL	2022/09/06
2022/09947	A VENT VALVE	2022/09/07
2022/10004	AZOOPYRIMIDINE FOR THE TREATMENT OF CANCER-RELATED DISORDERS	2022/09/08
2022/10019	HYBRID GRID AND RENEWABLE BASED ENERGY SYSTEM	2022/09/08
2022/10027	COMPOSITIONS OF VITAMIN A PALMITATE, PROCESSES FOR THEIR PREPARATION, USES AND METHODS COMPRISING THEM	2022/09/08
2022/10423	SUPPLEMENTAL ENERGY GENERATION AND STORAGE FOR TRAINS	2022/09/20
2022/10467	ADDITIVE MIXTURES FOR RHEOLOGY MODIFICATION OF POLYMERS	2022/09/21
2022/10991	PREPARATION OF MAGNETIC CORE-SHELL PARTICLES	2022/10/06
2022/11080	ADAPTIVE RADIO CONFIGURATION IN WIRELESS NETWORKS	2022/10/10
2022/11160	CONTROL RESOURCE SET ZERO FOR REDUCED CAPABILITY NEW RADIO DEVICES	2022/10/12
2022/11432	AGRICULTURAL HARVESTER	2022/10/19
2022/11525	COSMETIC PROCESS FOR STRENGTHENING STRAIGHTENED HAIR WITH A COMPOSITION COMPRISING CYSTEINE AND A PARTICULAR FATTY ACID TRIGLYCERIDE	2022/10/21
2022/11593	MODIFIED B CELLS AND METHODS OF USE THEREOF	2022/10/24
2022/11774	SYSTEM AND METHOD FOR MEASURING BENDING OF PHOTOVOLTAIC MODULE	2022/10/28
2022/11945	SYSTEMS AND METHODS FOR TCI STATE ACTIVATION AND CODEPOINT TO TCI STATE MAPPING	2022/11/02
2022/11980	METHODS AND TREATMENT OF TRAUMA	2022/11/03
2022/12448	SYSTEM HAVING A LIQUID AIR ENERGY STORAGE AND POWER PLANT APPARATUS	2022/11/15
2022/12502	PHARMACEUTICAL COMPOSITION COMPRISING L-TRIIODOTHYRONINE (T3)	2022/11/16

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	FOR USE IN THE TREATMENT OF TISSUE HYPOXIA AND SEPSIS	
2022/12863	PROBIOTIC BACILLUS SANITISER	2022/11/25
2022/12959	POLY HETEROCYCLIC CONJUGATES AND THEIR PHARMACEUTICAL USES	2022/11/29
2022/13053	SELECTIVE CDK4/6 INHIBITOR CANCER THERAPEUTICS	2022/12/01
2022/13212	PLANT PATHOGEN DEFENCE ELICITORS	2022/12/06
2022/13502	A SYSTEM AND METHOD FOR PROTECTING CABINETS FROM EMI	2022/12/13
2022/13503	GENETICALLY MODIFIED NON-HUMAN ANIMALS WITH COMMON LIGHT CHAIN IMMUNOGLOBULIN LOCUS	2022/12/13
2022/13852	SUSCEPTOR ASSEMBLY COMPRISING ONE OR MORE COMPOSITE SUSCEPTOR PARTICLES	2022/12/21
2023/00173	PROCESS FOR THE MANUFACTURING OF PROTEIN-ASSOCIATED EXTRACELLULAR VESICLES	2023/01/03
2023/00210	CONTINUOUS-MOTION DIRECT AIR CAPTURE SYSTEM	2023/01/04
2023/00259	COMPOUND FOR THE TREATMENT OF CORONAVIRAL INFECTIONS	2023/01/05
2023/00260	STABILIZED CORONAVIRUS SPIKE (S) PROTEIN IMMUNOGENS AND RELATED VACCINES	2023/01/05
2023/00262	METHOD AND SYSTEM FOR PACKAGING PRODUCTS BELONGING TO THE FRUIT AND VEGETABLE GROUP	2023/01/05
2023/00306	FIBERGLASS VEILS CONTAINING FIRE-RETARDANT MINERALS AND REFRACTIVE PARTICLES, AND HIGH GLOSS AND/OR FIRE-RETARDANT AND/OR NON-COMBUSTIBLE LAMINATES CONTAINING SUCH VEILS	2023/01/06
2023/00309	GLUCOCORTICOID-SPARING AGENT	2023/01/06
2023/00311	RECHARGEABLE BATTERY DISCHARGE DEVICE FOR DISCHARGING RECHARGEABLE BATTERIES, AND METHOD FOR DISCHARGING A PLURALITY OF RECHARGEABLE BATTERIES	2023/01/06
2023/00358	DOUBLY-FED CONVERTER AND MODULATION METHOD THEREOF	2023/01/09
2023/00373	COMPOSITION FOR PREVENTING OR TREATING OSTEOARTHRITIS, COMPRISING MESENCHYMAL STEM CELL EXPRESSING TUMOR NECROSIS FACTOR-INDUCIBLE GENE 6	2023/01/09
2023/00375	WATER SAVING DEVICE	2023/01/09
2023/00376	A CANNED ROTODYNAMIC FLOW MACHINE FOR A MOLTEN SALT	2023/01/09

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	NUCLEAR REACTOR AND AN ACTIVE MAGNETIC BEARING FOR USE IN A FLOW MACHINE FOR A MOLTEN SALT NUCLEAR REACTOR	
2023/00379	CLOSURE	2023/01/09
2023/00380	CHANNEL PHASE DETECTION AND CALIBRATION METHOD, DEVICE, AND STORAGE MEDIUM FOR A RADAR	2023/01/09
2023/00381	RADAR CALIBRATION METHOD AND DEVICE	2023/01/09
2023/00391	ANTI-INFLAMMATORY AND SENOLYTIC DENTAL CARE PRODUCT WITH TOOTH WHITENING CHARACTERISTICS	2023/01/09
2023/00429	CONTROL METHOD FOR DISPENSING A HOT FLUID AND DEVICE FOR DISPENSING A HOT FLUID	2023/01/10
2023/00434	IMPROVED METHOD FOR SYNTHESISING FUNCTIONALISED MERCAPTANS	2023/01/10
2023/00487	PLASTIC CONTAINER	2023/01/11
2023/00491	THREE-LEVEL PREVENTION AND CONTROL METHOD FOR ROCK BURST ROADWAY	2023/01/11
2023/00492	BARRIER PAPER OR BOARD	2023/01/11
2023/00497	MULTI-TRP CONFIGURED GRANT TRANSMISSION	2023/01/11
2023/00537	NUCLEAR-GRADE SAFETY DISPLAY APPARATUS AND CONFIGURATION-PARSING SYSTEM THEREFOR	2023/01/12
2023/00538	CLIMATE ISLAND	2023/01/12
2023/00556	GROUND-ENGAGING TRACK FOR MACHINE HAVING MULTI-TOOTH MASTER LINK	2023/01/12
2023/00583	VIDEO ENCODING AND DECODING	2023/01/13
2023/00603	SYSTEMS AND METHODS OF TRANSACTION TRACKING AND ANALYSIS FOR NEAR REAL-TIME INDIVIDUALIZED CREDIT SCORING	2023/01/13
2023/00677	FUEL THEFT DETECTION METHOD AND FUEL THEFT DETECTION DEVICE	2023/01/16
2023/00678	METHOD FOR PRODUCING 225AC SOLUTION	2023/01/16
2023/00679	SELF-CLEANING HOMOGENEOUS MIXER-BLEEDER SYSTEM CONSISTING OF A SET OF SCREENS AND A BLEED MANIFOLD	2023/01/16
2023/00682	IRRITATION MITIGATING SURFACTANTS	2023/01/16
2023/00731	SYSTEMS FOR AUTOMATED BLAST DESIGN PLANNING AND METHODS RELATED THERETO	2023/01/17
2023/00763	ADAPTER	2023/01/17
2023/00768	METHOD AND DEVICE FOR TREATING	2023/01/17

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	ORGANIC WASTE, INCLUDING THE ANAEROBIC DIGESTION THEREOF AND THE COMPOSTING OF THE DIGESTATES	
2023/00828	DETERGENT COMPOSITION	2023/01/18
2023/00830	METHODS AND COMPOSITIONS TO GRAFT BONE USING IRON EXCIPIENTS	2023/01/18
2023/00861	MULTI-TEMPERATURE HEAT PUMP FOR THERMAL ENERGY STORAGE	2023/01/19
2023/00919	COANDA EFFECT FLOW BOOSTER AND AERAULIC DEVICE COMPRISING SUCH A FLOW BOOSTER	2023/01/20
2023/00920	SURFACTANT AND DETERGENT COMPOSITION	2023/01/20
2023/00921	SYSTEM AND METHOD FOR PASSIVE SOLAR HOUSES, BUILDINGS AND SKYSCRAPERS WITH INTEGRATED AQUAPONICS, GREENHOUSE AND MUSHROOM CULTIVATION	2023/01/20
2023/00922	DETERGENT COMPOSITION	2023/01/20
2023/00925	PROCESS FOR SYNTHESISING HYDROCARBONS	2023/01/20
2023/00966	GYRATORY CRUSHER, AND CONTROL SYSTEM FOR AND CONTROL METHOD OF CONTROLLING GYRATORY CRUSHER	2023/01/23
2023/00967	GYRATORY CRUSHER, AND PREDICTIVE FAILURE DIAGNOSER FOR AND PREDICTIVE FAILURE DIAGNOSIS METHOD OF MAKING PREDICTIVE FAILURE DIAGNOSIS ON GYRATORY CRUSHER	2023/01/23
2023/00969	BREWING SYSTEM, BIOREACTOR PROVIDED WITH SUCH A SYSTEM AND IMPLEMENTATION METHOD THEREOF	2023/01/23
2023/00970	COSMETIC MASK FOR IMPROVING APPEARANCE OF SKIN	2023/01/23
2023/00971	SURFACTANT AND DETERGENT COMPOSITION	2023/01/23
2023/00973	THE USE OF VARIOVORAX MICROBES AS AN ALTERNATIVE TREATMENT FOR COCCIDIOSIS	2023/01/23
2023/01022	FRAGRANCE RELEASE MECHANISM, METHOD AND USES THEREOF	2023/01/24
2023/01053	PROCESSES FOR PREPARING C2 TO C3 HYDROCARBONS IN THE PRESENCE OF A HYBRID CATALYST	2023/01/24
2023/01066	PHTHALAZINE DERIVATIVES AS INHIBITORS OF PARP1, PARP2 AND/OR TUBULIN USEFUL FOR THE TREATMENT OF CANCER	2023/01/25
2023/01067	PESTICIDAL MIXTURES COMPRISING INDAZOLES	2023/01/25

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2023/01090	MINE DRILL MODULE INCLUDING GRIPPER WITH FOLDING ARMS	2023/01/25
2023/01100	DEVICE FOR CARRYING OUT MATERIAL EXCHANGE PROCESSES	2023/01/25
2023/01110	BRANCHED AMINO ACID SURFACTANTS FOR OIL AND GAS PRODUCTION	2023/01/26
2023/01111	BRANCHED AMINO ACID SURFACTANTS FOR INKS, PAINTS, AND ADHESIVES	2023/01/26
2023/01112	BRANCHED AMINO ACID SURFACTANTS FOR ELECTRONICS PRODUCTS	2023/01/26
2023/01113	WOOD-PLASTIC COMPOSITE MATERIAL	2023/01/26
2023/01114	BRANCHED AMINO ACID SURFACTANTS FOR PERSONAL CARE AND COSMETIC PRODUCTS	2023/01/26
2023/01115	BRANCHED AMINO ACID SURFACTANTS FOR AGRICULTURAL PRODUCTS	2023/01/26
2023/01116	BRANCHED AMINO ACID SURFACTANTS FOR CLEANING PRODUCTS	2023/01/26
2023/01133	INTEGRATION OF HIGH FREQUENCY AUDIO RECONSTRUCTION TECHNIQUES	2023/01/27
2023/01134	WATER INLET SOLENOID VALVE CAPABLE OF IMPROVING ELECTROMAGNETIC ATTRACTION AND IMPLEMENTING METHOD THEREFOR	2023/01/27
2023/01143	NOVEL DIOXOLOISOQUINOLINONE DERIVATIVES AND USE THEREOF	2023/01/27
2023/01144	COSMETIC FORMULATIONS FOR HAIR TREATMENT WITH IMPROVED PROPERTIES	2023/01/27
2023/01198	METHOD OF TREATING DISEASES	2023/01/30
2023/01221	COMPOSITIONS AND METHODS RELATED TO EBOLA VIRUSVACCINES	2023/01/30
2023/01267	S100 PROTEINS AS NOVEL THERAPEUTIC TARGETS IN MYELOPROLIFERATIVE NEOPLASMS	2023/01/31
2023/01269	METHOD FOR THE AUTOMATIC MONITORING OF AN ELECTROTECHNICAL WORK FLOW, AND CORRESPONDING DEVICE	2023/01/31
2023/01271	CURCUMINOID COMPOSITIONS WITH HIGH BIOAVAILABILITY	2023/01/31
2023/01352	IMAGE ENCODING/DECODING METHOD AND DEVICE	2023/02/02
2023/01651	ADDITIVE FOR FCC PROCESS	2023/02/09
2023/01850	DEVICE FOR AN ENERGY TRANSFER AND FOR AN ENERGY STORAGE IN A LIQUID RESERVOIR	2023/02/15
2023/01853	SYSTEM FOR CLIMATE-CONTROL OF INTERIOR SPACES OF A BUILDING	2023/02/15
2023/02270	USE OF CASPASE INHIBITOR FOR ALLEVIATING OR TREATING OSTEOARTHRITIS	2023/02/22

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2023/02271	DUAL REGULATOR FOR MGLUR5 AND 5-HT2A RECEPTORS AND USE THEREOF	2023/02/22
2023/02273	USE OF EPIDERMAL GROWTH FACTOR DEPLETING AGENTS IN THE TREATMENT OF THE CHRONIC OBSTRUCTIVE PULMONARY DISEASE	2023/02/22
2023/03533	SELECTIVE DOUBLE LAYER MOULDING PROCESS AND APPARATUS	2023/03/13
2023/03814	IMAGE PROCESSING METHOD, APPARATUS, COMPUTER DEVICE, AND STORAGE MEDIUM	2023/03/16
2023/04130	FOLDABLE TENT FRAME	2023/04/04
2023/04211	A COATED CAST IRON SUBSTRATE	2023/04/06
2023/04333	SCRAP INVENTORY MANAGEMENT METHOD	2023/04/12
2023/04382	SILENCER	2023/04/13
2023/04414	MODULAR ENCAPSULATED HEAT PUMPS	2023/04/14
2023/04418	REAR UNDERFLOOR STRUCTURE FOR A MOTOR VEHICLE	2023/04/14
2023/04516	MASTERING OF TRIMMING KNIVES POSITION	2023/04/18
2023/04564	STEEL FOR RAILS AND A METHOD OF MANUFACTURING OF A RAIL THEREOF	2023/04/19
2023/04632	ASSEMBLED SPECIAL-SHAPED PARTITION WALL STRUCTURE	2023/04/21
2023/04708	ESTIMATION OF THE TEMPERATURE OF A STEEL PRODUCT	2023/04/24
2023/04709	ANNEALING METHOD	2023/04/24
2023/04710	SOFTWARE METHOD FOR OPTO-SENSORY DETECTION, MEASUREMENT AND VALUATION OF TOOL CONDITIONS	2023/04/24
2023/04895	CATALYST SYSTEM FOR A FLOW REACTOR AND METHOD FOR CATALYTIC OXIDATION OF AMMONIA	2023/05/02
2023/05050	A COOLING SYSTEM	2023/05/08
2023/06030	USE OF TRIPTERINE IN PREPARATION OF DRUG FOR INHIBITING STAPHYLOCOCCUS AUREUS	2023/06/07
2023/06108	NOISE-REDUCTION MULTISTAGE LIQUID OXYGEN COLLAPSE ROCK BLASTING DEVICE	2023/06/08
2023/06855	ALUMINUM ALLOY INDIRECT THERMAL FORMING DIE AND METHOD OF ALUMINUM ALLOY INDIRECT THERMAL FORMING	2023/07/05
2023/06970	BIOMARKERS FOR DETECTING CANCER	2023/07/10
2023/06990	METHOD FOR SIMULTANEOUS AND RAPID DETERMINATION OF CHLORINE, BROMINE AND IODINE BY PYROHYDROLYSIS COMBINED WITH ICP-MS	2023/07/10

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2023/07063	COMPOSITION FOR LIGHTENING KERATIN FIBRES AND PROCESS FOR LIGHTENING KERATIN FIBRES USING THIS COMPOSITION	2023/07/13
2023/07089	NURSING EDUCATION PLATFORM BASED ON MEDICAL CONSORTIUM	2023/07/14
2023/07351	CABLE THREADING MACHINE	2023/07/25
2023/07514	ENHANCED AIR-INDUCED FIREBREAK UNIT	2023/07/28
2023/07732	METHOD FOR KEEPING HUMAN IN ELECTRIC CONTACT WITH TREE GROWING ON GROUND FOR LONG TIME	2023/08/04
2023/08089	APPARATUS AND METHODS FOR SELECTIVE CAPTURE OF MYCOBACTERIA	2023/08/21
2023/08108	PLANTING METHOD FOR UPRIGHT HIGH-YIELD CHERRIES	2023/08/22
2023/08117	VALVE ASSEMBLY FOR A PRE-CHARGED PNEUMATIC AIRGUN	2023/08/22
2023/08140	A DETONATOR HOLDER	2023/08/23
2023/08161	MARKING OF CARBONACEOUS FLUIDS	2023/08/23
2023/08250	A SYSTEM FOR CONTROLLED BIDIRECTIONAL REMOTE STATE PREPARATION IN NOISY ENVIRONMENT	2023/08/28
2023/08253	NUTRITION	2023/08/28
2023/08276	REMOVABLE WATER-BASED COATING	2023/08/28
2023/08281	PESTICIDAL COMPOSITIONS	2023/08/28
2023/08282	TOXIN MOLECULE SUITABLE FOR ANTIBODY-DRUG CONJUGATE	2023/08/28
2023/08284	WIRELESSLY TRANSFERING POWER WITHIN AN ELECTRIC MACHINE WITH ACTIVELY RECTIFIED ROTOR WINDINGS	2023/08/28
2023/08311	MOVABLE SAFETY-BELT FIXING DEVICE	2023/08/29
2023/08312	METHOD FOR CONSTRUCTING AND REGULATING PERFORMANCE OF TWO-DIMENSIONAL SEMICONDUCTOR HETEROJUNCTION IN PHOTOCATALYTIC WATER SPLITTING FOR HYDROGEN PRODUCTION	2023/08/29
2023/08321	HEATING DEVICE, HEATING ELEMENT AND AEROSOL GENERATING PRODUCT	2023/08/29
2023/08322	AIRBAG ATTACHMENT STRUCTURE	2023/08/29
2023/08325	GENOMIC LIBRARY PREPARATION AND TARGETED EPIGENETIC ASSAYS USING CAS-GRNA RIBONUCLEOPROTEINS	2023/08/29
2023/08327	METHYL-SUBSTITUTED PYRIDINE AND PYRIDAZINE COMPOUNDS, DERIVATIVES THEREOF, AND METHODS OF THEIR USE	2023/08/29
2023/08358	HINGE	2023/08/30
2023/08408	CENTERING POSITIONING DEVICE FOR PILE FOUNDATION CONSTRUCTION	2023/08/31

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2023/08410	PREFABRICATED DIAPHRAGM WALL, PREPARATION DEVICE AND DIAPHRAGM WALL CONSTRUCTION METHOD	2023/08/31
2023/08466	AN ELECTRIC SHOCK DEVICE	2023/09/01
2023/08520	CARRIAGE FOR RAILWAY FREIGHT TRANSPORTATION	2023/09/05
2023/08553	ONLINE MULTI-OBJECT TRACKING METHOD BASED ON CONFIDENCE OPTIMIZATION	2023/09/06
2023/08554	TRADITIONAL CHINESE MEDICINE EXTERNAL APPLICATION BAG FOR TREATING BONE DISORDER, ACTIVATING BLOOD CIRCULATION AND RELIEVING PAIN AND A PREPARATION METHOD THEREOF	2023/09/06
2023/08555	METHOD FOR PRODUCING ROCK-DRILLING TOOL WITH HIGH QUALITY AND LOW-COST	2023/09/06
2023/08588	MODULAR SUBSTRUCTURE AND LOAD DECK FOR A VEHICLE	2023/09/07
2023/08639	SEED COATING COMPOSITION COMPRISING AN ORGANIC ACID	2023/09/08
2023/08696	APPLICATION OF NAD ⁺ SUPPLEMENT IN PREPARATION OF DRUG FOR TREATING, PREVENTING, OR ALLEVIATING ACUTE ALCOHOLIC LIVER INJURY	2023/09/12
2023/08705	ACTIVE AND PASSIVE COOPERATIVE COOLING METHOD FOR NUCLEAR POWER PLANT, AND ULTIMATE HEAT SINK SYSTEM	2023/09/12
2023/08715	METHOD AND APPARATUS FOR DETERMINING PROPERTIES OF HYGROSCOPIC MATERIAL IN REAL-TIME DURING MODIFICATION	2023/09/12
2023/08785	SEALING DEVICE FOR OXY-FUEL CALCINATION ROTARY KILN	2023/09/15
2023/08812	A CONNECTING MEMBER FOR A LATTICE GIRDER	2023/09/18
2023/08814	MULTIPLE POSITION ROASTING GRILL	2023/09/18
2023/08849	METHOD FOR PREPARING MODIFIED LAYERED ELECTROMAGNETIC SHIELDING FABRIC	2023/09/19
2023/08851	DESIGN METHOD OF SINGLE-STAGE SPIRAL BEVEL GEAR BASED ON VOLUME OPTIMIZATION	2023/09/19
2023/08852	A METHOD FOR PREDICTING AND PREVENTING STRAIN-TYPE ROCKBURSTS IN DEEP HARD-ROCK CAVERNS	2023/09/19
2023/08894	MANUFACTURING METHOD FOR LIQUID	2023/09/20

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	SODIUM HYDROSULFITE	
2023/08905	ALUMINIUM ALLOY SHEET FOR CLOSURES AND THERMOMECHANICAL METHOD FOR PRODUCING THE SAME	2023/09/20
2023/08916	GENOMIC INFRASTRUCTURE FOR ON-SITE OR CLOUD-BASED DNA AND RNA PROCESSING AND ANALYSIS	2023/09/14
2023/08926	METHOD FOR EVALUATING PARTICLE SIZE OF CONGLOMERATE BASED ON IMAGE SEGMENTATION	2023/09/21
2023/08928	GEAR DYNAMIC CHARACTERISTIC ANALYSIS METHOD BASED ON TOOTH SURFACE FRICTION	2023/09/21
2023/08930	AIR DISCHARGE DEVICE FOR BLOOD PURIFICATION APPARATUS	2023/09/21
2023/08935	HIGH-LOAD INTERNAL MESHING GEAR MODIFICATION METHOD BASED ON CURVED MESHING LINE	2023/09/21
2023/08938	AN ALUMINUM ALLOY PROFILE WITH MATTE DEEP ANTIQUE COPPER NICKEL SALT COLORING AND A PREPARATION METHOD THEREOF	2023/09/21
2023/08964	LIQUID COMPOSITION FOR INHALATION FOR ELECTRONIC CIGARETTES	2023/09/21
2023/08974	FARMLAND SOIL MICROBIAL REMEDIATION METHOD	2023/09/22
2023/08977	SCREENING AND DOMESTICATION METHOD FOR HIGH TEMPERATURE RESISTANT STEINERNEMA CARPOCAPSAE AND APPLICATION THEREOF	2023/09/22
2023/08980	A FOUNDATION PIT FENCE STRUCTURE	2023/09/22
2023/08982	SOUND DAMPER	2023/09/22
2023/08985	CONSTRUCTS AND METHODS FOR INCREASED EXPRESSION OF POLYPEPTIDES	2023/09/22
2023/09017	MRI COMPATIBLE INCUBATOR AND INCUBATION TRANSFER IMAGING SYSTEM	2023/09/22
2023/09026	METHOD FOR FULL-SIZE DEEP SULFIDIZATION AND COARSE-FINE PARTICLE CLASSIFIED AND ENHANCED FLOTATION OF ARGILLACEOUS COPPER OXIDE ORE	2023/09/26
2023/09060	NETWORK COMMUNICATION APPARATUS AND SYSTEM	2023/09/26
2023/09083	SYSTEMS AND METHODS FOR PREDICTING RESPONSE TO ORAL MINOXIDIL FOR THE TREATMENT OF ANDROGENETIC ALOPECIA	2023/09/27
2023/09099	AN UNMANNED AERIAL VEHICLE FOR AGRICULTURAL PLANT PROTECTION	2023/09/27

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2023/09100	A MULTIFUNCTIONAL SEEDING DEVICE FOR CHINESE MEDICINAL HERBOLOGY	2023/09/27
2023/09101	A WEEDING DEVICE FOR RICE PLANTING	2023/09/27
2023/09102	A PHYSICAL STRENGTH TRAINING DEVICE FOR PHYSICAL TRAINING	2023/09/27
2023/09122	FERTILIZING AND WATERING DEVICE BASED ON AGRICULTURAL INTERNET OF THINGS TECHNOLOGY	2023/09/27
2023/09131	USE OF TNFSF15 PROTEIN AND PHARMACEUTICALLY ACCEPTABLE AUXILIARY MATERIALS IN PREPARING MEDICINES FOR TREATING LUNG CANCER	2023/09/28
2023/09141	A GOLF CLUB HEAD CLEANER	2023/09/28
2023/09144	A PROTECTIVE MAT USED IN SPORTS TRAINING	2023/09/28
2023/09179	STACKED PANEL HEAT EXCHANGER FOR AIR COOLED INDUSTRIAL STEAM CONDENSER	2023/09/29
2023/09200	PEPTIDE COMBINATION, CHIMERIC PEPTIDE, IMMUNOGENIC COMPOSITION, USE OF THE PEPTIDE COMBINATION, USE OF THE CHIMERIC PEPTIDE, USE OF A COMPOSITION, METHOD OF INDUCING IMMUNE RESPONSE AND KIT	2023/09/29
2023/09201	ORTHOPEDIC SHOE SOLE OR INSOLE AND SHOE FOR PEOPLE WITH HALLUX VALGUS	2023/09/29
2023/09244	INTRA-ROW WEEDING METHOD FOR AGRICULTURAL CROPS IN THE IMMEDIATE VICINITY OF THE ROOTS THEREOF	2023/10/03
2023/09247	METHOD FOR DEPOSITION OF DENSE CHROMIUM ON A SUBSTRATE	2023/10/03
2023/09277	BLADE NOISE REDUCTION DEVICE, BLADE, AND WIND TURBINE GENERATOR SET	2023/10/04
2023/09312	ROCK BOLT ANCHORING DEVICE	2023/10/05
2023/09329	AUTONOMOUS VEHICLE SAFETY SYSTEM AND METHOD	2023/10/05
2023/09330	METHOD FOR ANALYZING A BLOOD SAMPLE FOR A DISEASE	2023/10/05
2023/09337	A NOVEL COMPOSITION FOR CORROSION CONTROL AND PROCESS THEREOFF	2023/10/06
2023/09339	LEAKAGE MONITORING METHOD AND SYSTEM FOR POWER CABLES OF SUBSTATIONS	2023/10/06
2023/09390	AGRICULTURAL BIG DATA SERVICE SYSTEM BUILT UPON INTERNET TECHNOLOGY	2023/10/09

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2023/09391	CROP GROWTH ENVIRONMENT BIG DATA ANALYSIS SYSTEM AND METHOD	2023/10/09
2023/09392	SEED ADJUVANT AND PREPARATION METHOD AND APPLICATION THEREOF	2023/10/09
2023/09393	POTATO BREEDING SUBSTRATE AND PREPARATION METHOD THEREFOR	2023/10/09
2023/09394	SUGAR BEET AND PLANTING METHOD THEREOF	2023/10/09
2023/09395	PHOSPHORUS AND FLUORINE FREE CLEANING AGENT FOR ALUMINUM ALLOY, CONCENTRATE THEREOF AND PREPARATION METHOD THEREOF	2023/10/09
2023/09442	SEEDLING SUBSTRATE FOR GRAFTING CHERRY TOMATOES AND PREPARATION METHOD THEREOF	2023/10/10
2023/09453	PROCESSING SYSTEMS AND METHODS FOR STEEL-MAKING CO-PRODUCTS	2023/10/10
2023/09459	DEVICE FOR HOLDING UP UTENSILS FOR DAILY USE	2023/10/10
2023/09474	AGRICULTURAL CONDITION MONITORING SYSTEM BASED ON INTERNET OF THINGS	2023/10/11
2023/09477	DEVICE AND METHOD FOR OBTAINING EACH INSECT STATE OF ATRIJUGLANS HETAOHEI YANG	2023/10/11
2023/09478	METHOD FOR IMPROVING ACTIVITY INDEX OF AOD STEEL SLAG POWDER	2023/10/11
2023/09479	MULTIVARIABLE CONTROL METHOD FOR PREVENTING FLUCTUATIONS IN PRE-DRYING AND ABSORPTION OF FLUE GAS ACID-MAKING	2023/10/11
2023/09489	FEEDING APPARATUS AND FEEDING METHOD FOR BREEDING FROGS IN PADDY FIELD	2023/10/11
2023/09494	BAG OPENING DEVICE	2023/10/11
2023/09496	WIND POWERED GENERATOR	2023/10/11
2023/09499	NANOPARTICLE-ENHANCED LEAD-ACID ELECTRODE PASTE AND IMPROVED LEAD-ACID BATTERIES MADE THEREFROM	2023/10/11
2023/09522	MODIFIED POLY(M-PHENYLENE ISOPHTHALAMIDE) ULTRAFILTRATION MEMBRANE, PREPARATION METHOD THEREOF, AND APPLICATION THEREOF	2023/10/11
2023/09524	DIGITAL DISPLAY METHOD AND SYSTEM FOR OUTDOOR ADVERTISING	2023/10/11
2023/09525	GAS-OPERATED VALVE	2023/10/11
2023/09548	A SYSTEM FOR RECOGNIZING UNSAFE BEHAVIORS IN INDUSTRIAL WORKPLACES BASED ON IMAGE RECOGNITION TECHNOLOGY	2023/10/12
2023/09549	CEILING GRID HANGER HOLES	2023/10/12

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2023/09579	POSTHARVEST METHOD FOR SIMULTANEOUSLY INDUCING PIGMENT ACCUMULATION IN PEEL AND PULP OF MANGOES	2023/10/13
2023/09580	METHOD FOR PREPARING LANGERHANS CELL-DERIVED EXOSOMES	2023/10/13
2023/09581	METHOD FOR IMPROVING IN VITRO MATURATION AND DEVELOPMENT RATE OF PORCINE OOCYTES	2023/10/13
2023/09582	VERTICAL TAKE-OFF AND LANDING AERIAL VEHICLE	2023/10/13
2023/09583	PRODUCTION METHOD OF COAL PITCH BASED MELT-BLOWN CARBON FIBERS	2023/10/13
2023/09584	QUENCHING AND TEMPERING METHOD FOR NAPHTHALENE MESOPHASE PITCH	2023/10/13
2023/09589	A DOWNHOLE ASSEMBLY WITH SPRING ISOLATION FILTER	2023/10/13
2023/09625	INTELLIGENT ROBOT CAPABLE OF CARRYING OUT SOIL OPERATION AND CONTROL METHOD THEREOF	2023/10/16
2023/09626	A KIND OF ANTI-BACTERIAL, ANTI-VIRAL AND ANTI-FOULING POLYURETHANE MATERIAL AND ITS PREPARATION METHOD AND APPLICATION	2023/10/16
2023/09627	PHARMACEUTICAL COMPOSITION FOR TREATING CHRONIC GASTRITIS AND A PREPARATION METHOD THEREOF	2023/10/16
2023/09628	A GAMING SYSTEM	2023/10/16
2023/09629	SHEET FORMING SYSTEM AND METHOD	2023/10/16
2023/09631	COUPLING DEVICE BETWEEN A TEST BOX AND A COMPANION TEST BOX FOR BACK-TO-BACK PLANETARY TESTING	2023/10/16
2023/09637	TCM GEL AND PREPARATION METHOD AND APPLICATION THEREOF	2023/10/16
2023/09662	AUTOMATIC DISPLACEMENT COAXIAL STRUCTURE FOR GIS THREE-STATION ISOLATION MECHANISM AND CONTROL METHOD THEREOF	2023/10/17
2023/09663	RIVER WATER ECOLOGICAL HEALTH MONITORING SYSTEM AND METHOD, DEVICE, AND MEDIUM	2023/10/17
2023/09664	INTELLIGENT COAL SEAM GAS EXTRACTION SYSTEM BASED ON PLC	2023/10/17
2023/09665	OXIDIZED ALGINATE/POLYACRYLAMIDE/CHITOSAN MEDICAL COMPOSITE HOMOGENEOUS SCAFFOLD MATERIAL AND PREPARATION METHOD THEREOF	2023/10/17
2023/09666	METHOD FOR CONSTRUCTING MOLECULAR MAP OF INTESTINAL BACTERIAL COMMUNITY OF	2023/10/17

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	BACTROCERA DORSALIS	
2023/09667	FERMENTED LIQUID STARTER FEED FOR LAMBS DURING LACTATION AND PREPARATION METHOD AND APPLICATION THEREOF	2023/10/17
2023/09668	SPECIFIC PRIMERS AND PROBES FOR IDENTIFYING COMPONENTS DERIVED FROM ROSA ROXBURGHII	2023/10/17
2023/09669	A NOVEL MONASCIN COMPOUND, ITS PREPARATION METHOD, AND APPLICATION	2023/10/17
2023/09677	A COMPOSITION AND METHOD FOR SYNTHESIS OF HERBAL MOSQUITO REPELLENTMAT/DHOOP	2023/10/17
2023/09678	ASH ACOUSTIC CLEANING DEVICE FOR SCR DENITRATION CATALYST IN COAL-FIRED POWER PLANT	2023/10/17
2023/09702	PREPARATION METHOD FOR FROZEN NAAN DOUGH	2023/10/18
2023/09703	SYSTEM FOR REMOTE TEACHING OR CONSULTATION OF VASCULAR INTERVENTIONAL OPERATION	2023/10/18
2023/09704	CRAWLER CHASSIS DEVICE	2023/10/18
2023/09706	LINEAR ENGINE OPERATION	2023/10/18
2023/09707	SECURITY PANEL	2023/10/18
2023/09714	AN INSULATING PROTECTIVE BOX FOR ELECTRICAL EQUIPMENT	2023/10/18
2023/09715	A SCHOOL BADGE WITH MOTION TRACKING FUNCTIONALITY	2023/10/18
2023/09744	METHOD FOR FULL-SIZE ENHANCED SULFIDIZATION AND CLASSIFIED FLOTATION RECOVERY OF ZINC OXIDE ORE	2023/10/19
2023/09745	A COOLING ELECTRICAL CABINET CONTROLLED BY ELECTRICAL AUTOMATION	2023/10/19
2023/09749	AN AUTOMATED GEAR SHIFTING SYSTEM FOR BICYCLES	2023/10/19
2023/09750	AN ALCOHOL DETECTION AND ENGINE LOCKING SYSTEM FOR VEHICLES	2023/10/19
2023/09751	A METHOD TO IDENTIFY AND SYNTHESIZE SUITABLE T-CELL EPITOPES ON E1 GLYCOPROTEIN AS POTENTIAL SUBUNIT VACCINE CANDIDATES AGAINST HEPATITIS C.	2023/10/19
2023/09752	A DEVICE FOR CONTROLLING ENGINE SPEED	2023/10/19
2023/09782	A PROCESS FOR PRECIPITATING PARTICLES OF PLATINUM GROUP METALS	2023/10/19
2023/09783	POWER SUPPLY MODE DETERMINATION METHOD AND APPARATUS, AND	2023/10/19

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	TRANSMISSION CONTROL SYSTEM AND ELECTRONIC DEVICE	
2023/09788	METHOD, DEVICE, ELECTRONIC EQUIPMENT AND STORAGE MEDIUM FOR PREDICTING LAND-USE TYPES	2023/10/20
2023/09789	FIRE ESCAPE INTELLIGENT FLOOR TILE DEVICE	2023/10/20
2023/09790	FLOOR TILE DEVICE FOR FIRE ESCAPE	2023/10/20
2023/09791	SWING-TYPE VALVE PLATE FINISHING MACHINE	2023/10/20
2023/09792	COVER OPENING INSPECTION DEVICE FOR GEARBOX SPLINE SHAFT AND SECONDARY SUN GEAR OF WIND TURBINE GENERATOR SYSTEM	2023/10/20
2023/09798	GIS PARTIAL DISCHARGE DIAGNOSING METHOD, MODEL TRAINING METHOD, DEVICE AND SYSTEM	2023/10/20
2023/09799	BACILLUS THURINGIENSIS BIOCONTROL AGENT FOR INHIBITING REPRODUCTION OF CORN BORER AND A PREPARATION METHOD THEREOF	2023/10/20
2023/09800	A COMPOSITE FERMENTATION BACTERICIDE FOR CONTROLLING RICE PLANTHOPPER AND A PREPARATION METHOD THEREOF	2023/10/20
2023/09826	A SYSTEM FOR, AND A METHOD OF SOURCING AND REWARDING ONE OR MORE SERVICE PROVIDER(S)	2023/10/23
2023/09827	MULTI-FUNCTIONAL STERILIZING DEVICE FOR OPERATION ROOM NURSING	2023/10/23
2023/09828	AN ELECTROCHEMICAL TREATMENT DEVICE FOR HIGH REFRACTORY DEGRADATION WASTEWATER	2023/10/23
2023/09829	TACBSX3 GENE AND APPLICATION OF PROTEINS ENCODED THEREBY IN IMPROVING EFFICIENCY OF WHEAT TRANSFORMATION	2023/10/23
2023/09830	METHOD FOR DETERMINING DYNAMIC BOUNDARY OF WETLAND BASED ON HYDROLOGICAL, BIOLOGICAL AND SOIL ELEMENTS	2023/10/23
2023/09831	IDENTIFICATION METHOD FOR PLURIPOTENCY OF NUCLEAR TRANSFER TROPHOBLAST STEM CELLS AND APPLICATION THEREOF	2023/10/23
2023/09834	A RADIO FREQUENCY IDENTIFICATION BASED NAVIGATION SYSTEM FOR THE VISUALLY IMPAIRED IN AN INDOOR ENVIRONMENT	2023/10/23
2023/09835	A HEALTHCARE ECOSYSTEM	2023/10/23
2023/09836	A SOFTWARE BASED SYSTEM FOR	2023/10/23

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	HELMET DETECTION	
2023/09837	A WHATSAPP CHAT ANALYZER	2023/10/23
2023/09838	A CARDIAC EMERGENCY ALERT SYSTEM FOR AUTOMOTIVE DRIVERS	2023/10/23
2023/09839	A SEMI AUTOMATIC COTTON HARVESTING SYSTEM	2023/10/23
2023/09840	A VEHICLE ACCIDENT ALERTING AND DETECTING SYSTEM	2023/10/23
2023/09841	A SOLAR POWERED HYBRID UNMANNED AERIAL VEHICLE FOR EXTENDED SURVEILLANCE FLIGHT TIME	2023/10/23
2023/09842	A SMART WINDOW SYSTEM FOR CONTROLLING SUNLIGHT INTENSITY	2023/10/23
2023/09843	A WIRELESS WHEEL ALIGNMENT AND ANGLE MEASUREMENT SYSTEM	2023/10/23
2023/09844	A HELMET WITH SAFETY AND MONITORING SYSTEM FOR MINE WORKERS	2023/10/23
2023/09845	A FAKE PRODUCT IDENTIFICATION SYSTEM BASED ON BLOCK CHAIN AND SOLIDITY	2023/10/23
2023/09847	AN IOT BASED BATTERY MONITORING SYSTEM	2023/10/23
2023/09848	AN AUTOMATIC COOLANT SYSTEM FOR METAL CUTTING MACHINE	2023/10/23
2023/09849	A DATA TRANSFER SYSTEM USING LI-FI TECHNOLOGY	2023/10/23
2023/09850	A SMART WATER DISTRIBUTION CONTROL SYSTEM IN BUILDING	2023/10/23
2023/09851	A MICROSCOPIC COMPUTER VISION AND ANALYTICS SYSTEM	2023/10/23
2023/09852	AN IMAGE PROCESSING BASED ANTI GLARE SYSTEM FOR FOUR WHEELER VEHICLES	2023/10/23
2023/09855	AN AUTOMATIC MIXING EQUIPMENT FEEDING DEVICE AND AN APPLICATION METHOD	2023/10/23
2023/09856	AQUEOUS DISPERSIONS OF MAGNESIUM COMPOUNDS FOR USE IN PRESERVATION OF HARVESTED PRODUCTS	2023/10/23
2023/09860	WASTEWATER COLLECTION POOL FOR HYDROGEN FLUORIDE PRODUCTION	2023/10/23
2023/09875	CIRCUIT BREAKER AND QUICK TRIPPING DEVICE THEREOF	2023/10/23
2023/09876	OPERATING MECHANISM AND SWITCHING DEVICE	2023/10/23
2023/09878	CIRCUIT BREAKER AND OPERATING MECHANISM THEREOF	2023/10/23
2023/09888	QINGNING TABLETS OBTAINED BASED ON AN INTEGRATED PREPARING AND PROCESSING METHOD	2023/10/24

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2023/09889	LAYERED HEAT-DISSIPATION LIQUID COOLING CABINET	2023/10/24
2023/09890	PACKAGING, TRANSPORTING, AND FIELD-RELEASING DEVICE FOR NATURAL ENEMIES OF PREDATORY PENTATOMOIDEA	2023/10/24
2023/09891	A SINGLE MUTANT STRAIN, A DOUBLE MUTANT STRAIN OR A COMPLEMENT STRAIN OF AEROMONAS DHAKENSIS PHOP OR PHOBR, A CONSTRUCTION METHOD AND AN APPLICATION THEREOF	2023/10/24
2023/09894	A PROCESS OF SELECTING THE SECURED POSITION OF THE DRONE FOR MAPPING LIVE MINE BLASTS	2023/10/24
2023/09897	A HOME CONTROL AND ENVIRONMENTAL MONITORING SYSTEM	2023/10/24
2023/09898	ANTI CRASH AUTOMATIC DETECTION SYSTEM FOR VEHICLES	2023/10/24
2023/09899	AN ARTILLERY LAUNCHING AND MISSILE RECOMMENDATION CALCULATING SYSTEM	2023/10/24
2023/09900	A PRESSURE COOKER WHISTLE COUNTING SYSTEM	2023/10/24
2023/09901	A SMART TRACKING DEVICE FOR LOCATING LOST ITEMS	2023/10/24
2023/09902	A WOMEN'S SAFETY SYSTEM	2023/10/24
2023/09903	AN AUTOMATED RAIN WIPER AND HEADLIGHT CONTROL SYSTEM FOR AUTOMOBILES	2023/10/24
2023/09904	AN OBSTACLE DETECTION AND APP CONTROLLED ROBOT	2023/10/24
2023/09905	A MULTICHAIN BLOCKCHAIN WALLET FOR SEAMLESS ASSET MANAGEMENT	2023/10/24
2023/09906	A METHOD FOR THE CHEMICAL DISSOLUTION OF ELECTRONIC WASTE	2023/10/24
2023/09907	A WEB APPLICATION TO MINT NON FUNGIBLE TOKENS	2023/10/24
2023/09908	A SMART WALKING STICK FOR VISUALLY IMPAIRED PEOPLE	2023/10/24
2023/09909	A SIGN LANGUAGE RECOGNITION SYSTEM	2023/10/24
2023/09910	A REAL-TIME DRONE DETECTION SYSTEM	2023/10/24
2023/09911	AN APPLICATION FOR EFFICIENTLY MANAGING BELONGINGS	2023/10/24
2023/09915	LOW-ENERGY-CONSUMPTION MAGNETIZATION TREATMENT DEVICE AND METHOD FOR ALLEVIATING EMITTER CLOGGING IN DRIP IRRIGATION SYSTEM	2023/10/24
2023/09940	METHOD FOR PREPARING METAL	2023/10/25

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	NANOPOWDER BY MAGNETICALLY ROTATING ARC PLASMA	
2023/09941	A METHOD FOR PREPARING CALCIUM-BASED ADSORPTION PARTICLES BASED ON OIL-BASED DRILLING CUTTINGS	2023/10/25
2023/09942	EGGPLANT POROUS CARBON FOR ADSORPTION TREATMENT OF PRINTING AND DYEING WASTEWATER, AND PREPARATION METHOD AND APPLICATION THEREOF	2023/10/25
2023/09943	GALLIUM-NITRIDE-BASED MICRO-WIRE TRANSISTOR ARRAY WITH HIGH ELECTRON MOBILITY AND MANUFACTURING METHOD	2023/10/25
2023/09944	PROTECTION OF AN ELECTRICAL INSTALLATION	2023/10/25
2023/09954	DAMPING DEVICE FOR CIVIL ENGINEERING AND CONTROL METHOD THEREFOR	2023/10/25
2023/09980	ARM STRENGTH TRAINING DEVICE FOR MARTIAL ARTS COACHING	2023/10/26
2023/09981	AN INTELLIGENT OPERATION AND MAINTENANCE MONITORING EQUIPMENT FOR SUBSTATIONS	2023/10/26
2023/09982	HEAT TREATMENT METHOD FOR IMPROVING FRACTURE RESISTANCE OF ADDITIVE MANUFACTURED TITANIUM ALLOY	2023/10/26
2023/09984	A REACTION-DIFFUSION PHASE-CHANGED NEURAL NETWORK-BASED METHOD FOR EXTRACTING IMAGE ELEMENTS	2023/10/26
2023/09985	A NEURAL NETWORK-BASED IRIS RECOGNITION METHOD	2023/10/26
2023/09986	AN AEROMONAS DHAKENSIS MUTANT STRAIN DELTA-ARNA AND A DOUBLE MUTANT STRAIN DELTA-UGD-ARNA AND A CONSTRUCTION METHOD AND APPLICATION THEREOF	2023/10/26
2023/09988	AN AUTOMATED PIPE AND WIRE CUTTING SYSTEM	2023/10/26
2023/09989	PURIFICATION METHOD FOR D-CALCIUM PANTOTHENATE	2023/10/26
2023/09990	FERMENTATION METHOD FOR D-PANTOTHENIC ACID	2023/10/26
2023/09991	A GREEN HYBRID VEHICLE SYSTEM WITH EXHAUST GAS REUTILIZATION AND SOLAR CHARGING	2023/10/26
2023/10013	CHELATORS FOR RADIOMETALS AND METHODS OF MAKING AND USING SAME	2023/10/26
2023/10032	DEVICE, SYSTEM, AND METHOD FOR MONITORING AND CONTROLLING	2023/10/27

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	ABNORMALITIES OF LIGHT STRIP	
2023/10033	A PRE-PLANTING TREATMENT DEVICE FOR MOUNTAINOUS PARASOL TREE SEEDS	2023/10/27
2023/10034	PREDICTION METHOD FOR JOINTED ROCK MASS DEFORMATION BASED ON ACOUSTIC EMISSION SELF-SIMILARITY COEFFICIENT AND ENTROPY	2023/10/27
2023/10085	DEVICE FOR FEEDING, OBSERVING, AND STUDYING LIMICOLOUS ANIMALS AND USAGE METHOD THEREOF	2023/10/30
2023/10086	WOOD STOVE FOR BURNING COMPOSITE BIOCHAR AND ITS APPLICATION	2023/10/30
2023/10087	A PREPARATION METHOD OF CALCIUM BASED ADSORBENT BASED ON SUPERCRITICAL CO ₂ EXTRACTION TECHNOLOGY	2023/10/30
2023/10088	ROAD SMOOTHING CONSTRUCTION DEVICE	2023/10/30
2023/10089	ROAD PLASTIC FILM STICKING EQUIPMENT FOR ROAD CONSTRUCTION	2023/10/30
2023/10090	SUBSOIL INTERVAL MIXING PLOUGH	2023/10/30
2023/10091	METHOD OF PRODUCING ENERGY ABSORBING FOAM FROM INDUSTRIAL SCRAP	2023/10/30
2023/10092	A STORAGE FOLDING RACK FOR A STERILIZER LOADING VEHICLE	2023/10/30
2023/10093	DUAL-MODE ENERGY FEEDBACK CONTROL METHOD FOR A CIRCUIT INSPECTION ROBOT	2023/10/30
2023/10094	A SLIDING REVERSE CONSTRAINT CONTROL METHOD UNDER FLEXIBLE CABLE ENVIRONMENT OF FLYING-AWAY LINE INSPECTION ROBOT	2023/10/30
2023/10096	MOWER SYSTEM AND MOWING METHOD BASED ON FIXED ARTIFICIAL ULTRAVIOLET POLARIZED LIGHT POSITIONING	2023/10/30
2023/10132	LOGISTICS TRANSFER DEVICE	2023/10/31
2023/10133	VISIBLE LIGHT PHOTOCATALYTIC DEGRADATION SEWAGE TREATMENT DEVICE	2023/10/31
2023/10136	METHODS FOR PREPARATION OF AN ANGIOTENSIN-CONVERTING ENZYME (ACE) INHIBITORY PEPTIDE DERIVED FROM SALMON SKIN	2023/10/31
2023/10137	METHOD OF AND SYSTEM FOR ASSESSING AN ANSWER	2023/10/31
2023/10140	SEGMENTED CONCENTRATION DETECTION DEVICE FOR GOVERNANCE OF COAL MINE GAS	2023/10/31

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2023/10141	MODEL FOR TRAINING HIGH SIMULATION COLONOSCOPY	2023/10/31
2023/10149	DEVICE AND METHOD FOR PRODUCING CARBON AND NITROGEN COLLABORATIVE ULTRA-HIGH NITROGEN STEEL THROUGH MULTI-FURNACE PRESSURE CASTING	2023/10/30
2023/10187	SYSTEM AND METHOD FOR IDENTIFYING DANGEROUS DRIVING BEHAVIORS BASED ON MACHINE VISION	2023/11/01
2023/10188	A KIND OF COTTON PLANTER MULCH ROLLER WELDING ROBOT	2023/11/01
2023/10189	NOVEL DRILLING SAMPLER	2023/11/01
2023/10190	A NOVEL K ₂ PB ₈ (PO ₄) ₆ :DY ³⁺ , EU ³⁺ , TB ³⁺ PHOSPHOR FOR N-UV BASED W-LEDS	2023/11/01
2023/10191	A YOGA CHAIR FOR PARKINSON'S DISEASE	2023/11/01
2023/10200	INTEGRATED METHOD AND INTEGRATED SYSTEM FOR RESOURCE RECOVERY OF SOURCE-SEPARATED URINE	2023/11/01
2023/10218	ARTIFICIAL BREEDING METHOD OF LUCIOBARBUS CAPITO IN POND CULTURE	2023/11/02
2023/10219	SILK FIBROINS/CARBON NANOFIBERS COMPOSITE AEROGEL, PREPARATION METHOD AND APPLICATION THEREOF	2023/11/02
2023/10220	AGRICULTURAL MACHINERY UNMANNED NAVIGATION SYSTEM BASED ON FARMLAND ENVIRONMENT PERCEPTION	2023/11/02
2023/10221	A COMPACT ULTRASONOGRAPHY DEVICE FOR DETECTING AND MEASURING VISCERAL BODY FLUID	2023/11/02
2023/10222	A PROCESS FOR THE SYNTHESIS OF YELLOW EMITTING EU ³⁺ ACTIVATED K ₂ CA(PO ₄) ₃ F PHOSPHOR FOR MOSQUITO REPELLENT LAMP	2023/11/02
2023/10223	A SYSTEM TO REDUCE ACCIDENTS ON THE HIGHWAY	2023/11/02
2023/10224	A METHOD FOR COMPREHENSIVE RECOVERY OF GOLD AND SILVER FROM LEAD-ZINC TAILINGS WITH ULTRA-LOW GOLD CONTENT	2023/11/02
2023/10225	MINERAL SEPARATION PROCESS FOR GOLD AND SILVER-BEARING POLYMETALLIC SULFIDE	2023/11/02
2023/10226	AN ENVIRONMENTALLY FRIENDLY PRECIOUS METAL FLOTATION COLLECTOR AGENT AND APPLICATION	2023/11/02
2023/10227	A KIND OF PREFABRICATED EPOXY RESIN CONCRETE PRESTRESSED	2023/11/02

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2023/10229	PREPARATION METHOD FOR FLAKE POROUS SILICON STEEL GRADE MAGNESIUM OXIDE	2023/11/02
2023/10230	A SYSTEM FOR AUTOMATIC QUESTION GENERATION FROM TEXTUAL DATA USING NATURAL LANGUAGE PROCESSING TECHNIQUES	2023/11/02
2023/10231	A PET RESISTANT KEYBOARD	2023/11/02
2023/10232	A SMART HIERARCHICAL ANNOTATOR SYSTEM FOR CLASSIFYING RESEARCH PAPERS AND ABSTRACTS	2023/11/02
2023/10233	A CLOUD BASED HELMET DETECTION SYSTEM FOR RIDERS	2023/11/02
2023/10260	OPTIMIZED KNN CLUSTERING METHOD BASED ON A WEIGHTED COSINE SIMILARITY DISTANCE FOR DETERMINING COMPLEX LITHOLOGY OF LOW-PERMEABILITY SANDSTONE	2023/11/03
2023/10270	LOGISTICS DISPATCHING DEVICE	2023/11/03
2023/10271	RICINUS COMMUNIS L. PIP5K11 GENE AND APPLICATION THEREOF	2023/11/03
2023/10272	A DIGGING STIRRING AND STABILIZER INJECTING DEVICE FOR IN-SITU REMEDIATING DEEP CONTAMINATED SOIL	2023/11/03
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2023/10274	REINFORCEMENT STRUCTURE OF REINFORCED CONCRETE SHEAR WALL	2023/11/03
2023/10275	A BIOMASS CARBON ENVIRONMENT-FRIENDLY SLOW-RELEASE ANTI-FREEZING MATERIAL AND A PREPARATION METHOD THEREOF	2023/11/03
2023/10276	STEEL TUBE BUNDLE COMPOSITE SHEAR WALL	2023/11/03
2023/10307	METHOD FOR RAPIDLY DETERMINING PROTECTIVE PERFORMANCES OF BRIDGE PIER ATTACHED ANTI-COLLISION DEVICE	2023/11/06
2023/10310	DRILLING AND SAMPLING DEVICE FOR SOIL	2023/11/06
2023/10311	A POROUS LATTICE STRUCTURE TITANIUM ALLOY BONE PLATE	2023/11/06
2023/10312	DISTRIBUTION TRANSFORMER EFFICIENCY MONITORING AND NEUTRAL LINE CURRENT CONTROL	2023/11/06

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2023/10314	ENVIRONMENTAL METHOD FOR MANUFACTURING ALUMINIUM ELECTROMAGNETIC WIRE	2023/11/06
2023/10317	EXOCARPIUM CITRI RUBRUM BEVERAGE FOR PREVENTING COUGH DUE TO WIND-COLD AND PREPARATION METHOD THEREOF	2023/11/06
2023/10326	AIR INTAKE STRUCTURE FOR VEHICLE SUNROOF AND RECREATIONAL VEHICLE (RV) WITH SUNROOF	2023/11/06
2023/10346	CASE BODY OF ENERGY STORAGE CASE AND ENERGY STORAGE CASE	2023/11/07
2023/10347	A PREPARATION METHOD OF LOW-CHLORIDE MAGNESIUM OXIDE	2023/11/07
2023/10348	A PROCESSING AND PREPARATION METHOD FOR HIGH-STRENGTH 7000 SERIES ALUMINUM ALLOY PROFILES	2023/11/07
2023/10349	TUNNEL CONSTRUCTION SAFETY RISK WARNING AND DIGITAL MANAGEMENT METHOD THROUGH KARST CAVE SECTION	2023/11/07
2023/10350	APPARATUS FOR SIMULATING CAVE ENVIRONMENT AND USE METHOD THEREOF	2023/11/07
2023/10366	A STRUCTURE OF A BEARINGLESS INDUCTION MOTOR AND A MANUFACTURING METHOD THEREOF	2023/11/07
2023/10368	SALT FORM OF PYRROLOTRIAZINE COMPOUND, CRYSTAL FORM THEREOF, AND PREPARATION METHOD THEREFOR	2023/11/07
2023/10384	HYDRAULIC PRESSING MECHANISM	2023/11/08
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2023/10386	SOIL AND WATER LOSS GOVERNANCE CONTROL DEVICE FOR SMALL WATERSHEDS IN KARST REGIONS	2023/11/08
2023/10387	METHOD FOR DETERMINING SCOPE OF FLOOD DISASTER USING SENTINEL-1/2 ACTIVE AND PASSIVE SATELLITE IMAGES	2023/11/08
2023/10388	METHOD FOR ESTIMATING GLACIER MASS BALANCE BASED ON BI-STATIC INSAR GLACIER THICKNESS CHANGE	2023/11/08

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2023/10392	VENTILATION AND SMOKE EXHAUST SYSTEM FOR CONSTRUCTION TUNNEL	2023/11/08
2023/10426	TITANIUM ALLOY HOT-ROLLED SEAMLESS TUBE PRODUCTION SYSTEM AND PRODUCTION PROCESS THEREOF	2023/11/08
2023/10427	HOT ROLLING PRODUCTION PROCESS FOR LARGE-DIAMETER-EXPANSION ROLLED SEAMLESS TUBE	2023/11/08
2023/10429	PANORAMIC LASER RADAR BASED ON MICRO-REFLECTING DEVICE	2023/11/09
2023/10430	PREPARATION METHOD OF POLYCAPROLACTONE POLYOLS USING 1,3,5-CYCLOHEXANETRIOL AS INITIATOR ALCOHOL	2023/11/09
2023/10431	NATURAL COMPOUND FEED ADDITIVE FOR REMOVING RESIDUAL TOXIC METALS	2023/11/09
2023/10432	A CYLINDER COMBUSTION TYPE INTERNAL COMBUSTION ENGINE AND WORKING METHOD THEREOF	2023/11/09
2023/10434	DRIP IRRIGATION AND WATER-FERTILIZER INTEGRATED CULTIVATION METHOD FOR WINTER WHEAT-SUMMER CORN ROTATION IN SALINE-ALKALI LAND	2023/11/09
2023/10441	IMAGE FUSION METHOD BASED ON CAPUTO FRACTIONAL ORDER DIFFERENTIAL OPERATOR	2023/11/09
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2023/10463	AUTONOMOUS SWITCHING SYSTEM AND SWITCHING METHOD FOR VEHICLE-MOUNTED ACCESSORIES OF MULTI-FUNCTIONAL RESCUE VEHICLES	2023/11/09
2023/10464	AN ANTI-FATIGUE LYCIUM BARBARUM L EFFERVESCENT TABLETS, AND ITS PREPARATION METHOD AND APPLICATION	2023/11/10
2023/10465	INTELLIGENT ENGLISH TEACHING SYSTEM FOR ENGLISH TEACHING	2023/11/10
2023/10466	A FRUIT AND VEGETABLE FRESH-KEEPING SPONTANEOUS CONTROLLED ATMOSPHERE STORAGE DEVICE	2023/11/10
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2023/10473	A FAULT IDENTIFICATION DEVICE FOR STABILITY MAINTENANCE FOR POWER STATION OPERATION AND MAINTENANCE	2023/11/10
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2023/10498	METHOD FOR PREPARING NANO WHITE CARBON BLACK BY COMPREHENSIVELY UTILIZING SODIUM CHLORIDE WASTEWATER	2023/11/13
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2023/10500	IN-VITRO ANTIBACTERIAL ACTIVITY AND PHYTOCHEMICAL SCREENING OF ETHANOLIC EXTRACT OF EUPHORBIA PROSTRATA	2023/11/13
2023/10501	A PREPARATION METHOD OF ULTRAFINE ALUMINUM CARBIDE-MAGNESIUM REFINER	2023/11/13
2023/10502	METHOD FOR PREPARING PRODUCT HAVING PRECISE FLAVOR, TEXTURE AND COLOR BY OPTIMIZING TRADITIONAL PROCESS FOR CURING AND RIPENING PORK	2023/11/13
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2023/10518	HIGH-DIETARY FIBER AND LOW-CALORIE SAUSAGE FOR REPLACING RED MEAT WITH EDIBLE FUNGI AND PREPARATION METHOD THEREOF	2023/11/13
2023/10519	COMPOUND FOR ALDOSE REDUCTASE INHIBITOR, SYNTHESIS METHOD THEREFOR AND USE THEREOF	2023/11/13
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2023/10528	KIT AND METHOD FOR DETECTING METHYLATION OF GENES IN CERVICAL CELLS	2023/11/13
2023/10547	A METHOD FOR PROPELLER BLADE PARAMETER ESTIMATION BASED ON UNDERWATER ACOUSTIC MICRO-DOPPLER EFFECT	2023/11/14
2023/10548	ROAD BASE MIXTURE AND ITS CONTENT CALCULATION AND PREPARATION METHOD	2023/11/14
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2023/10553	WATERBORNE FLUOROCARBON COATING, PREPARATION METHOD AND APPLICATION THEREOF, AND SPRAYING METHOD	2023/11/14
2023/10554	HIGH-TEMPERATURE RESISTANT AND ANTICORROSIVE COATING AND PREPARATION METHOD AND APPLICATION THEREOF	2023/11/14
2023/10555	A CLINICAL CONCENTRATION-ADJUSTED ANESTHESIA DEVICE FOR THE ANESTHESIOLOGY DEPARTMENT	2023/11/14
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2023/10586	CLAMPING DEVICE FOR PROCESSING INTERNAL GEAR	2023/11/15
2023/10589	A PORTABLE SOIL DETECTION DEVICE FOR GEOLOGICAL EXPLORATION	2023/11/15
2023/10590	A CONTINUOUS PREPARATION METHOD OF MAGNESIUM HYDROXIDE WITH CONTROLLABLE HYDROPHOBICITY	2023/11/15
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2023/10592	ALARM METHOD FOR RECOGNIZING GESTURES BASED ON CAMERA	2023/11/15
2023/10596	OPTIMAL DESIGN METHOD FOR SPINDLE BOX STRUCTURE OF VERTICAL MACHINING CENTER	2023/11/15
2023/10621	BIOCHAR ADSORBENT MADE FROM JINGGANG HONEY POMELO PEEL, AND	2023/11/16

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2023/10626	AN EXERCISE PHYSIOLOGY TELEMETRY EXERCISE CARDIOPULMONARY TESTER	2023/11/16
2023/10627	RAPID DETECTION AND EVALUATION METHOD FOR THE COMPACTION QUALITY OF THE INORGANIC STABILIZED GRANULAR BASE OF THE ROAD	2023/11/16
2023/10629	UNMANNED SPECIMEN AUTOMATIC RECEIVING PLATFORM AND CLASSIFICATION METHOD	2023/11/16
2023/10655	A NEGATIVE PRESSURE SUCTION FIXTURE	2023/11/17
2023/10656	METHOD FOR EXPLOITING OIL AND GAS PRODUCTS FROM UNDERGROUND THIN AND MEDIUM-THICK OIL SHALE ORE BEDS THROUGH PYROLYSIS	2023/11/17
2023/10662	A SAFETY ANALYSIS METHOD FOR NUCLEAR POWER PLANTS USING RELAP5 AND MCDET COUPLED PARALLEL COMPUTING AND DET BRANCH TRUNCATION IS PROPOSED	2023/11/17
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2023/10693	DEVICE FOR COLLECTING, TEMPORARILY KEEPING, AND TRANSPORTING LIVING SPECIMENS OF LEECHES	2023/11/20
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2023/11509	DYNAMIC MODELER	2023/12/14
2023/11510	DYNAMIC MODELER	2023/12/14
2023/11511	DYNAMIC MODELER	2023/12/14
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2024/00177	METHOD AND SYSTEM OF CONSTRUCTING AN UNDERGROUND TUNNEL	2020/03/20
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2024/02937	POWER CONTROL METHOD AND SYSTEM BASED ON LARGE-SCALE POWER FLOW	2024/04/16
2024/02971	ROTOR DYNAMIC BALANCE MEASUREMENT METHOD BASED ON HIGH-PRECISION CLOCK SAMPLING	2024/04/17
2024/03009	A PRESCRIPTION FOR TREATING OCTAGONAL ANTHRAX	2024/04/18
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DESIGNS

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A2023/00512	Bottle	2023/04/25
A2023/00513	Bottle	2023/04/25
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A2023/00931	Watch Bracelet	2023/08/24

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A2023/01042	TOILET	2023/09/27
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A2023/01352	ELECTRONIC ATOMIZATION DEVICE	2023/12/08
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F2023/00162	Crates	2023/02/06
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F2023/00552	Brewing Device	2023/05/10
F2023/00786	DRILL BIT	2023/07/12
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F2023/00809	DESCALER CLEANER WITH LARGE NOZZLE HEAD	2023/07/18
F2023/00810	DESCALER CLEANER WITH SMOOTH BODY AND FORWARD NOZZLE HEAD	2023/07/18
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F2023/00993	A HELMET INNER SHELL	2023/09/08
F2023/00998	A WHEELBARROW	2023/09/13
F2023/00999	A BARROW	2023/09/13
F2023/01008	TENSIONER	2023/09/15
F2023/01020	POT	2023/09/21
F2023/01022	POT AND TRAY SYSTEM	2023/09/21
F2023/01035	BRICK	2023/09/26
F2023/01043	TOILET	2023/09/27
F2023/01044	TOILET	2023/09/27
F2023/01045	TOILET	2023/09/27
F2023/01046	TOILET	2023/09/27
F2023/01051	TOILET	2023/09/27
F2023/01052	TOILET	2023/09/27
F2023/01053	TOILET	2023/09/27
F2023/01054	TOILET	2023/09/27
F2023/01057	GOLF CLUB HEAD CLEANER	2023/09/28
F2023/01059	SPILL-PREVENTABLE CONTAINER	2023/10/02
F2023/01139	PALLET ARRANGEMENT	2023/10/25

OTHER NOTICES

Denmeyer & Associates Pty Ltd: Notice of change of physical address

OLD ADDRESS

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NEW ADDRESS

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