

| IDF | PATENT TITLE | COUNTRY/REGION | INVENTOR (DEPARTMENT - scroll down to see department code) *inclusive of joint-owned patents with non-CityU partners/inventors |
|-----|--|----------------|--|
| 093 | Doped Polymeric Optical Waveguide Amplifiers | United States | PUN, Yue Bun Edwin(EE); WONG, Wing Han Polis(EE) |
| 094 | System and Method of Translating a Relational Database into an XML Document and Vice Versa | United States | FONG, Shi Piu Joseph(CS) |
| 104 | Rechargeable Battery Circuit and Structure for Compatibility with a Planar Inductive Charging Platform | United States | HUI, Shu Yuen Ron* |
| 123 | Method of in vivo Screening for Cardiac Toxic Agents Using Teleost | United States | CHAN, Po Kwok Eric*; CHENG, Shuk Han(BMS) |
| 130 | Method and Apparatus for Calculating an SSD and Encoding a Video Signal | United States | PO, Lai Man(EE); GUO, Kai(EE) |
| 146 | Battery Charging Apparatus with Planar Inductive Charging Platform | United States | LIU, Xun(EE); HUI, Shu Yuen Ron* |
| 151 | Bit Rate Estimation in Data or Video Compression | United States | PO, Lai Man(EE); SARWER, Mohammed Golam(EE) |
| 164 | Dielectric Loaded Elliptical Helix Antenna | United States | YUNG, Kai Ning Edward(EE); WONG, Hang(EE); CHAN, Pak Wai(EE); CHE, Wenquan Cherry* |
| 165 | Unidirectional Antenna Comprising a Dipole and a Loop | United States | CHAN, Pak Wai(EE); WONG, Hang(EE); YUNG, Kai Ning Edward(EE) |
| 170 | Method for Encoding a Plurality of Video Signals into a Single Video Signal | United States | TSANG, Wai Ming Peter(EE) |
| 171 | Motion Estimation Method | United States | NG, Ka Ho(EE); PO, Lai Man(EE) |
| 172 | Method for Implementing Encryption and Transmission of Information and System Thereof | United States | WONG, Shek Duncan(CS); XIONG, Xiaokang(CS) |
| 179 | Suffix Tree Similarity Measure for Document Clustering | United States | CHIM, Hung(EE); DENG, Xiaotie(CS) |
| 185 | Method and Numerical Tool for Optimizing Light Emitting Diode Systems | United States | HUI, Shu Yuen Ron* |
| 194 | Apparatus and Methods of Operation of Passive LED Lighting Equipment | United States | CHEN, Wu*; HUI, Shu Yuen Ron* |
| 197 | Method of Making a Porous TiO2 Photonic Film | United States | CHENG, Jianwen(AP); TSANG, Chun Kwan(AP); XU, Zhengtao(CHEM); LI, Yangyang(MSE) |
| 202 | Method and Apparatus Using Carbon Nanotubes for Hydrogen Storage | United States | ZHANG, Ruiqin(PHY) |
| 203 | Computer Implemented Method for Generating Binary Holograms | United States | TSANG, Wai Ming Peter(EE); CHEUNG, Wai Keung Kayton(EE) |

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| 204 | Light Transmissible Resonators for Circuit and Antenna Applications | United States and others | LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE) |
| 209 | Well Focused Catadioptric Image Acquisition | United States | LI, You Fu(MNE); LI, Weiming(MEEM) |
| 211 | Audio Spatial Effect Enhancement | United States | TSANG, Wai Ming Peter(EE) |
| 213 | Power Quality Meter and Method of Waveform Analysis and Compression | United States | LAU, Wing Hong Ricky(EE); TSE, Chung Fai Norman(BST) |
| 219 | Solar Energy Collection Antennas | United States | LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE) |
| 221 | Self-Driven AC-DC Synchronous Rectifier for Power Applications | United States | HUI, Shu Yuen Ron*; HO, Wing Choi(EE); ZHONG, Wenxing(EE) |
| 224 | Solar Energy Collection Antennas | United States | LIM, Eng Hock(EE); LEUNG, Kwok Wa(EE) |
| 225 | Method for Generating Multi-view Images from Single Image | China | TSANG, Wai Ming Peter(EE) |
| 227 | Driver for Two or More Parallel LED Light Strings | United States and others | CHEN, Wu*; HUI, Shu Yuen Ron* |
| 229 | Fast Generation of Holograms | United States | CHEUNG, Wai Keung Kayton(EE); TSANG, Wai Ming Peter(EE) |
| 234 | Wideband Active Quasi-Circulator | United States | CHAN, Wing Shing(EE); MUNG, Wai Yin Steve(EE) |
| 236 | Elliptically or Circularly Polarized Dielectric Block Antenna | China | LEUNG, Kwok Wa(EE); PAN, Yongmei(EE); LU, Kai(EE) |
| 238 | Generating an Aerial Display of Three-Dimensional Images From a Single Two-Dimensional Image or a Sequence of Two-Dimensional Images | United States | TSANG, Wai Ming Peter(EE) |
| 242 | Apparatus and Method for Wireless Power Transfer | United States | ZHONG, Wenxing(EE); HUI, Shu Yuen Ron* |
| 243 | Methods for Modeling and Analysis of Interface between Point Patterns | United States | YAN, Hong(EE); ZHOU, Weiqiang(EE) |
| 244 | Driver Circuit for Powering a DC Lamp in a Non-DC Lamp Fitting | United States | CHUNG, Shu Hung Henry(EE); CHEN, Nan(EE) |
| 245 | Composite of Porous Substrate and One-Dimensional Nanomaterial and Method for Preparing The Same, Surface-Modified Composite and Method for Preparing The Same | United States | LEE, Shuit Tong(AP); LEE, Chun Sing(CHEM); FUNG, Man Keung Roy(AP); TANG, Yongbing(AP); CHAN, Chiu Yee(CHEM) |
| 247 | Fluorescence PCR Method for Diagnosing Infection of Chlamydia Trachomatis, Neisseria Gonorrhoeae And Ureaplasma Urealyticum | China | YANG, Mengsu(BMS); FU, Huayang(BMS); TZANG, Chi Hung Lawrence(BCH) |
| 250 | DC Link Module for Reducing DC Link Capacitance | United States | WANG, Huai*; CHUNG, Shu Hung Henry(EE) |
| 252 | Construction Structure and Method of Making Thereof | United States | WU, Yufei(CA); LU, Jian(MNE) |
| 254 | Nickel Complexes for Flexible Transistors and Inverters | United States | KWOK, Tat Kun Dixon(MSE); CHU, Paul Kim Ho(PHY); XU, Zong-Xiang(MSE); VELLAISAMY, A. L. Roy(MSE) |
| 258 | Automatic Switching of a Multi-Mode Projector Display Screen for Displaying Three-Dimensional and Two-Dimensional Images | China | TSANG, Wai Ming Peter(EE) |

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| 262 | Rate Control for Content Transcoding | United States | XU, Long(CS); KWONG, Tak Wu Sam(CS) |
| 268 | Method and Means for Identification of Animal Species | United States and others | LIN, Chun Chi(PH); CHENG, Shuk Han(BMS) |
| 270 | Aesthetic Dielectric Antenna And Method of Discretely Emitting Radiation Pattern Using Same | United States and others | FANG, XiaoSheng(EE); LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE) |
| 271 | System and Method for Emulating a Gas Discharge Lamp | United States and others | CHEN, Nan(EE); CHUNG, Shu Hung Henry(EE) |
| 272 | Wireless Optical Charging And Power Supply | United States and others | TSANG, Wai Ming Peter(EE) |
| 274 | Method, System and Medium for Character Conversion Between Different Regional Versions of a Language Especially Between Simplified Chinese and Traditional Chinese | United States | ZHU, Chunshen(CAH); HAO, Tianyong(CTL) |
| 275 | Identification Tracking Method And Device Used in Conversion Between Simplified Chinese And Traditional Chinese | China | HAO, Tianyong(CTL); ZHU, Chunshen(CAH) |
| 276 | Method And Device for Punctuation Mark Conversion | China | HAO, Tianyong(CTL); ZHU, Chunshen(CAH) |
| 277 | Correction Processing Method And Correction Processing Device | China | ZHU, Chunshen(CAH); HAO, Tianyong(CTL) |
| 279 | Thermo-Electric Generator Module | United States and others | VELLAISAMY, A. L. Roy(MSE); LEUNG, Yee Tak Andrew(CA); WONG, Chung Kai Joseph(CA) |
| 280 | System And Method for Estimating Component Parameters | United States and others | CHEN, Nan(EE); CHUNG, Shu Hung Henry(EE) |
| 283 | Generating Full-Parallax Digital Holograms | United States and others | TSANG, Wai Ming Peter(EE) |
| 284 | Capturing, Processing, and Reconstructing Audio and Video Content of Mobile Devices | United States | TSANG, Wai Ming Peter(EE) |
| 285 | System And Method for Detecting Heat Emission Object | China | ZHANG, Ruiqin(PHY); LAM, Tik Hang(AP) |
| 287 | Transmission Line And Methods for Fabricating Thereof | China | XUE, Quan(EE); CHIU, Leung(EE) |
| 288 | Device for routing light among a set of optical waveguides | United States | CHAN, Hau Ping Andy(EE); TSVETKOV, Valentine A(EE); HO, Wing Fat(EE) |
| 289 | Metal Nano Particle Single Layer | China | ZHOU, Ye(AP); HAN, Su-Ting(AP); VELLAISAMY, A. L. Roy(MSE) |
| 290 | Methods And Means for Manipulating Particles | United States and others | SUN, Dong(BME); WANG, Xiaolin(MBE) |
| 292 | Mechanically Robust Fast-dissolving Microneedles for Transdermal Drug And Vaccine Delivery | China | CHEN, Xianfeng(AP); YAN, Li(RSDA) |
| 293 | System And Method for Operating A Power Amplifier And A Load Modulation Network | China | XUE, Quan(EE); CHEN, Shichang(EE) |
| 294 | Phased Array, A coherent Source Array, An Antenna Array And A System for Controlling Thereof | United States and others | XUE, Quan(EE); TANG, Chengcheng(EE) |
| 295 | 銅リッチナノクラスター強化超高強度フェライト鋼およびその製造方法 | Japan | LIU, Chain Tsuan(IAS); JIAO, Zengbao(MBE) |
| 296 | High Gain And Wideband Complementary Antenna | China | LUK, Kwai Man(EE); WONG, Hang(EE); LAI, Hau Wah(SKMW); CHAN, Chi Hou(EE); XUE, Quan(EE); SO, Kwok Kan(EE) |

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| 304 | Plasmonic Enhanced Tandem Dye Sensitized Solar Cell with Metallic Nanostructures | China | LEE, Chun Sing(CHEM); NG, Siu Pang(MSE); WU, Lawrence(MSE) |
| 305 | ナノ金属間化合物強化超高強度フェライト鋼およびその作製方法 | Japan | JIAO, Zengbao(MBE); LIU, Chain Tsuan(IAS) |
| 308 | Patch Antenna | United States and others | LIU, Juhua(SKMW); XUE, Quan(EE) |
| 309 | Patch Antenna | China | XUE, Quan(EE); LIU, Juhua(SKMW) |
| 312 | Perfluoro-t-Butoxy Allyl and Propargyl Ethers | United States and others | LAU, Kai Chung(CHEM); LAW, Chung Kay Edwin(CHEM); WONG, Kwun Chung Paul(BCH); HORVATH, Istvan Tamas(CHEM); LUI, Yuk Yu Matthew(CHEM) |
| 314 | System and Method for Transmitting Data in a Network | United States | ZUKERMAN, Moshe(EE); WANG, Meiqian(EE); LI, Shuo(EE); WONG, Wing Ming Eric(EE) |
| 315 | Method and Apparatus for Depth Video Coding Using Endurable View Synthesis Distortion | United States | KWONG, Tak Wu Sam(CS); ZHANG, Yun(CS) |
| 319 | Electrical Load Driving Apparatu | United States and others | ZHANG, Rui Hong(EE); CHUNG, Shu Hung Henry(EE) |
| 320 | Power Amplifier | United States and others | XUE, Quan(EE); CHEN, Shichang(EE) |
| 321 | Method for Separating Kukoamine | China | CHEUNG, Hon Yeung(BMS); LI, Yuan Yuan(BMS); DI, Rui(BCH) |
| 323 | Microstrip Line Filter | United States and others | XUE, Quan(EE); QIN, Wei(EE) |
| 326 | Waveguides | United States and others | TSUI, Ping Yuen Jacky(EE); ZHOU, Peng(AP); CHU, Sai Tak(PHY); PUN, Yue Bun Edwin(EE) |
| 327 | Target Pointing System Making Use of Velocity Dependent Cursor | United States | SU, Xiaojun(CS); LAU, Rynson W H(CS); AU, Kin Chung(SM) |
| 329 | 多孔架構及其制造方法 | China | LI, Yangyang(MSE); LU, Jian(MNE); TSANG, Chun Kwan(AP) |
| 330 | Waveguide Coupler | China | ZHOU, Peng(AP); TSUI, Ping Yuen Jacky(EE); CHU, Sai Tak(PHY) |
| 332 | Determining Faulty Nodes Via Label Propagation within Wireless Sensor Network | China | ZHAO, Mingbo(EE); CHOW, Wai Shing Tommy(EE) |
| 333 | Solar Battery And Manufacturing Method Thereof | China | LIU, Zhen(AP); FUNG, Man Keung Roy(AP); LEE, Chun Sing(CHEM); ZHANG, Xiaohong* |
| 334 | USB Power Supply | China | CHUNG, Shu Hung Henry(EE); CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST) |
| 339 | Signal Modulating Interface for A Solid State Electronic Device | China | CHUNG, Shu Hung Henry(EE); WANG, Jianjing(EE) |
| 341 | Apparatus And A Method for Surface Processing A Metallic Structure | United States and others | LU, Jian(MNE); LI, Ying(MNE) |
| 344 | Method of Fabricating Improved Porous Metallic Material and Resulting Structure Thereof | United States | ZHANG, Jie(MBE); LI, Yangyang(MSE); LU, Jian(MNE) |
| 345 | Etching in the Presence of Alternating Voltage Profile and Resulting Porous Structure | United States | LU, Jian(MNE); ZHANG, Jie(MBE); LI, Yangyang(MSE) |

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| 348 | Light Sensor | United States | CHEUNG, Sui Pung(CSCR); YEUNG, Sin Yu(MBE); LAU, Tsz Kit(MBE); WONG, Hoi Ling(CA); SIU, Hoi Sing(EF); CHUNG, Shu Hung Henry(EE) |
| 349 | Power Amplifier Circuit for Communication Systems | United States and others | SHEN, Yi(EE); TSANG, Kim Fung(EE) |
| 350 | Composite for Preparing a Transdermal Delivery Device and Method for Synthesizing the Composite Thereof | United States | CHEN, Wei(AP); CHEN, Xianfeng(AP) |
| 352 | Structure of Energetic Materials And The Method for Preparing Thereof | China | ZHANG, Kaili(MNE); LU, Jian(MNE) |
| 353 | Fabrication and Replication of Polymer Optical Waveguides | United States | CHIANG, Kin Seng(EE); JIN, Wei(EE); CHAN, Hau Ping Andy(EE) |
| 355 | Apparatus And A Method for Electromagnetic Signal Transition | United States and others | WU, Peng(EE); XUE, Quan(EE) |
| 356 | Neural Induced Enhancement of Audio Signals | United States and others | TSANG, Wai Ming Peter(EE) |
| 357 | Method And A Device for Detecting A Substance | United States and others | WESTERDAHL, Dane(E2); WONG, Ka Chun(E2); CHAN, Ka Lok(E2); NING, Zhi(E2) |
| 358 | Circularly Polarized Antenna | China | XUE, Quan(EE); WU, Peng(EE); LIAO, Shaowei(SKMW) |
| 359 | Conversion of Complex Holograms to Phase Holograms | United States | TSANG, Wai Ming Peter(EE) |
| 360 | Target Acquisition System for Use in Touch Screen Graphical Interface | China | SU, Xiaojun(CS); LAU, Rynson W H(CS); AU, Kin Chung(SM) |
| 364 | Electromagnetic Wave Mode Transducer | United States and others | XUE, Quan(EE); WU, Peng(EE) |
| 365 | Current Control Apparatus | United States and others | FAN, Wing To(EE); YUEN, Kuen Faat(EE); CHUNG, Shu Hung Henry(EE) |
| 366 | An Input Filter for a Power Electronic System | United States and others | YUEN, Kuen Faat(EE); CHUNG, Shu Hung Henry(EE); FAN, Wing To(EE) |
| 367 | Power Factor Correction Circuit for a Power Electronic System | United States | CHUNG, Shu Hung Henry(EE); YUEN, Kuen Faat(EE); FAN, Wing To(EE) |
| 368 | Facilitating improved luminance uniformity in organic light emitting diode device panels | United States | YAN, Wei(CSCR) |
| 376 | Holographic Encryption of Multi-Dimensional Images | United States | TSANG, Wai Ming Peter(EE) |
| 378 | Monitoring User Activity Using Wearable Motion Sensing Device | United States | CHAN, L H Leanne(EE); CHING, Hong Yan(EE); CHOI, Chi Kuen(EE); CHIM, Hung(EE); YAN, Hong(EE) |
| 380 | A System And Method for Detecting A Defect In A Structure Member | United States and others | CHENG, Tin Kei(MBE); LAU, Denvi(CA) |
| 381 | Systems and Methods for Automated Handling of Live Organisms | United States | LIN, Xudong(BME); SHI, Peng(BME) |
| 382 | System And A Method for Performing Modal Analysis on A Structure | United States and others | HE, Yuncheng(CA); LI, Qiusheng(CA) |

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| 385 | Superhydrophobic Surface Arrangement, Article Comprising Same, and Method of Manufacture Thereof | United States | WANG, Zuankai(MNE); LIU, Yahua(MBE) |
| 387 | Apparatus for Detection of Electrical Signals of a Biological Subject and Electrode Thereof, and Method of Manufacture Thereof | United States | LAM, Hiu Wai Raymond(BME); CHENG, Tin Kei(MBE); HU, Dinglong(MBE) |
| 389 | Nanoparticle Composition for use in Targeting Cancer StemCells and Method for Treatment of Cancer | United States | LIU, Dandan(BMS); YANG, Mengsu(BMS) |
| 390 | Nanostructured-Lattices Produced by Surface Mechanical Attrition Treatment Method | United States | WEN, Chunsheng(MBE); LU, Jian(MNE); MAI, Phu Son* |
| 392 | Surface Mechanical Attrition Treatment (SMAT) Methods and Systems for Modifying Nanostructures | United States and others | LU, Jian(MNE); LI, Yangyang(MSE); LEE, Christopher Michael(MBE) |
| 393 | LED Lighting Circuit | United States and others | ZHANG, Rui Hong(EE); CHUNG, Shu Hung Henry(EE) |
| 394 | Shorted Bowtie Patch Antenna with Parasitic Shorted Patches | United States and others | LAI, Hau Wah(SKMW); CHAN, Chi Hou(EE); LUK, Kwai Man(EE); MAK, Ka Ming(SKMW) |
| 395 | Sorbent Material and a Method for Enhancing Sorption Performance Thereof | United States | CHAN, Chiu Yee(CHEM); TANG, Yongbing(AP); LEE, Chun Sing(CHEM); WONG, Fu Lung(CHEM) |
| 396 | Dual Polarized High Gain And Wideband Complementary Antenna | United States and others | LUK, Kwai Man(EE); WONG, Hang(EE); LAI, Hau Wah(SKMW); CHAN, Chi Hou(EE); SO, Kwok Kan(EE) |
| 397 | Differential Planar Aperture Antenna | United States | XUE, Quan(EE); LIAO, Shaowei(SKMW); WU, Peng(EE) |
| 398 | Aperture-Coupled Microstrip-Line Feed for Circularly Polarized Patch Antenna | United States | MAK, Ka Ming(SKMW); LUK, Kwai Man(EE); CHAN, Chi Hou(EE); LAI, Hau Wah(SKMW) |
| 399 | Electronic Device for Data Storage And A Method of Producing An Electronic Device for Data Storage | United States and others | HAN, Su-Ting(AP); ZHOU, Ye(AP); VELLAISAMY, A. L. Roy(MSE) |
| 400 | Method of Determining Cell Cycle Stage Distribution of Cells | United States | DONG, Hong Juan*; LAM, Yun Wah(SI) |
| 401 | Fast Generation of Digital Holograms | United States | TSANG, Wai Ming Peter(EE) |
| 402 | Holographic Encryption of Multi-Dimensional Images and Decryption of Encrypted Multi-Dimensional Images | United States | TSANG, Wai Ming Peter(EE) |
| 404 | A Medium for a Dental Structure | United States | NIU, Xinrui(MNE); CHEN, Bing(MBE); LU, Jian(MNE) |
| 409 | A Complementary Antenna And An Antenna System | United States and others | LI, Yujian(EE); LUK, Kwai Man(EE) |
| 410 | Converting a Single-Ended Signal to a Differential Signal | United States | XUE, Quan(EE); LIAO, Shaowei(SKMW) |
| 414 | A Method and Apparatus for Matching Buyers with Sellers in a Marketplace to Facilitate Trade | United States and others | TAN, Chee Wei(CS); ZHENG, Liang(CS) |
| 418 | Quadrature Voltage Controlled Oscillator | China | ZHANG, Haiwei(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW) |
| 419 | Electronic Apparatus for Use in A Communication System | United States and others | SHUM, Kam Man(SKMW); XUE, Quan(EE); LAM, Wai Lun(EE) |
| 420 | Impedance Matching Arrangement for Amplifier And Amplifier | United States and others | ZHANG, Haiwei(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW) |

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| 421 | Facilitation of Increased Locking Range Transistors | United States and others | SHUM, Kam Man(SKMW); XUE, Quan(E2); ZHOU, Haifeng(SKMW) |
| 422 | Patch Antenna | United States | LI, Yujian(E2); LUK, Kwai Man(E2) |
| 423 | Copper Substituted Compound, Cathode of Battery Comprising Same, And Battery Comprising Such Cathode | United States and others | LEE, Chun Sing(CHEM); YU, Yau Wai Denis(E2); KANG, Wenpei(AP) |
| 424 | Antenna | United States and others | PAN, Yongmei(E2); LEUNG, Kwok Wa(E2); GUO, Lei(E2) |
| 425 | Phosphorescent Transition Metal Complex, Its Preparation And Use | United States and others | LIU, Huawei(CHEM); LEE, Cho Cheung(CHEM); LO, Kam Wing Kenneth(CHEM) |
| 426 | Homogeneous and Transparent Protective Coatings for Precious Metals and Copper Alloys | United States | LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE) |
| 427 | A Composite Material Based Panel | United States and others | LU, Yang(MNE) |
| 428 | Electrochemical Detector | United States and others | VELLAISAMY, A. L. Roy(MSE) |
| 429 | Chemosensing Hydrogel for The Detection of Biogenic Amines | United States and others | LAM, Hon Wah Michael(CHEM) |
| 431 | A Repairable Electrical Component | United States and others | ZHI, Chunyi(MSE); HUANG, Yang(AP); HUANG, Yan(MSE) |
| 432 | Multivariate Cryptography Based on Clipped Hopfield Neural Network | United States and others | WANG, Jia(E2); CHENG, Lee Ming(E2) |
| 433 | An Antenna | United States and others | FENG, Li Ying(E2); LEUNG, Kwok Wa(E2) |
| 435 | System and Method for Optimizing A User Interface and A System and Method for Manipulating A User's Interaction with An Interface | United States and others | CHAN, Antoni Bert(CS); PANG, Xufang(CS); LAU, Rynson W H(CS); CAO, Ying(CS) |
| 436 | Nanoparticles, Method of Preparing The Same And Their Use | United States | ZHANG, Jinfeng(CHEM); ZHANG, Xiaohong*; WONG, Fu Lung(CHEM); LEE, Chun Sing(CHEM) |
| 440 | Polyelectrolyte, Production And Use Thereof in Energy Storage Devices | United States and others | HUANG, Yan(MSE); ZHI, Chunyi(MSE) |
| 441 | Material For Use In A Battery, A Battery And A Method Of Manufacturing A Material For Use In A Battery | China | YU, Yau Wai Denis(E2); LI, Yingshun(AERC) |
| 442 | Substrate for A Three-dimensional Cell Culture, Its Preparation And Use | United States and others | WAN, Wenfeng(MBE); SHEN, Yajing(BME); DAI, Gaole(MBE) |
| 443 | System And Method for Manipulating An Object for Imaging | United States and others | WAN, Wenfeng(MBE); ZHANG, Lijun(MBE); SHEN, Yajing(BME) |
| 445 | Structural Panel, A Strucutral System And A Method of Forming A Structural Panel | United States and others | LAI, Ki Leuk Joseph(AP) |
| 446 | An Apparatus for Generating Moveable Screen Across A Three Dimensional Space | United States | LAM, Miu Ling(SM); CHEN, Bin(SM); HUANG, Yaozhun(BME) |
| 447 | Method of producing graphene-based materials, obtainable materials and their use | United States | KAI, Ji-jung(MNE); HU, Yonglong(MBE); NIU, Xinrui(MNE) |
| 448 | A Material for An Electronic Device | United States and others | LI, Yangyang(MSE); WANG, Aiwu(MNE); LU, Jian(MNE) |

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| 449 | Facilitation of Increased Bandwidth for a Low Noise Amplifier | United States and others | QIN, Pei(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW) |
| 450 | Method for Treating Surface of Metallic Structure | United States and others | LU, Jian(MNE); ZHAN, Yawen(MNE); LI, Yangyang(MSE) |
| 451 | System and Method for Operating a Server Farm | United States | WONG, Wing Ming Eric(EE); ZUKERMAN, Moshe(EE); FU, Jing(EE); GUO, Jun(EE) |
| 452 | Facilitating Interference Management in Multi-Cell and Multi-User Millimeter Wave Cellular Networks | United States and others | DONG, Miaomiao(EE); CHAN, Wai Ming(EE); KIM, Taejoon(EE) |
| 453 | An Electric Device for Detecting Pressure | United States and others | SUN, Qijun(MSE); ZHUANG, Jiaqing(AP); VELLAISAMY, A. L. Roy(MSE) |
| 454 | Circuit Arrangement for Filtering An Electric Current | United States and others | WANG, Kewei(EE); CHUNG, Shu Hung Henry(EE) |
| 455 | Semiconductor Film and Method of Forming the Same | United States | BIAN, Juncao(PHY); ZHANG, Ruiqin(PHY) |
| 456 | Circularly Polarized Planar Aperture Antenna with High Gain and Wide Bandwidth for Millimeter-Wave Application | United States | LIAO, Shaowei(SKMW); BISHARAT, Dia'aaldin J.(EE); XUE, Quan(EE) |
| 458 | A Multistable Structure and a Method for Making Thereof | United States and others | YI, Shenghui(CA); HE, Xiaoqiao(CA); LU, Jian(MNE) |
| 459 | Electrchemical Detector | United States and others | VENKATESH, Shishir(MSE); LI, Tan(CA); VELLAISAMY, A. L. Roy(MSE) |
| 461 | System And Method for Load Balancing in A Data Network | United States and others | XU, Hong(CS); WANG, Peng(CS) |
| 462 | Composite Negative Material Adopting Three-dimensional Porous Carbon to Coat Silicon And Preparation Method Thereof | China | ZOU, Rujia(AP); YUEN, Muk Fung(MSE); ZHANG, Wenjun(MSE) |
| 465 | A Thermostat Apparatus And A Temperature Regulation System | China | CHUNG, Shu Hung Henry(EE); CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST); LAI, Chun Tak(EE); YEUNG, Shun Cheung(EE); LAI, Chun Tak* |
| 466 | Thermostat Apparatus And Temperature Regulation System | China | LAI, Chun Tak*; YEUNG, Shun Cheung(EE); LAI, Chun Tak(EE); TSE, Chung Fai Norman(BST); CHAN, Yau Chung(CA); CHUNG, Shu Hung Henry(EE) |
| 467 | A Thermostat Regulation System And A Power Regulation Apparatus | China | YEUNG, Shun Cheung(EE); LAI, Chun Tak(EE); LAI, Chun Tak*; TSE, Chung Fai Norman(BST); CHAN, Yau Chung(CA); CHUNG, Shu Hung Henry(EE) |
| 468 | Electrical Apparatus And Method for Fabricating Electrical Apparatus | United States and others | ZHU, Minshen(MSE); ZHI, Chunyi(MSE) |
| 469 | Server Farm and Method for Operating the Same | United States | GUO, Jun(EE); FU, Jing(EE); ZUKERMAN, Moshe(EE); WONG, Wing Ming Eric(EE); MORAN, William* |
| 472 | Efficiently Generating a High Quality Patterned-Phase-Only Hologram for Display on a Single Device | United States | CHOW, Yuk Tak(EE); TSANG, Wai Ming Peter(EE) |
| 474 | Optochemical Detector and a Method for Fabricating an Optochemical Detector | United States | LAW, Hui Lun Anton(AP); WU, Lawrence(MSE); NG, Siu Pang(MSE); QIU, Guangyu(MSE) |

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| 478 | A Navigation Assistance System | Hong Kong | CHEUNG, Chak Chung Ray(EE); LI, Tsz Kan(CB); CHAU, Yin Chi(AC); TSE, Pui Yee Eva(SS); CHAN, Ka Lee(SS); NGAI, Lok Yi Anthy(SS); CHEUNG, Terence C.H.(CB); TSE, Ka Pik(IS); LAI, Chi Fai(IS) |
| 479 | A Method for Regulating An Electrical Power Circuit And Electrical Power Regulating Apparatus | United States and others | TSE, Hiu Kwan(EE); CHUNG, Shu Hung Henry(EE) |
| 480 | Determination of a Concentration of an Analyte in a Subject | United States | HO, Derek(MSE); YAN, Wenrong(MSE); WEI, Liping(MSE); TIAN, Yi(MSE) |
| 481 | An Electronic System for Creating an Image and a Method of Creating an Image | United States | TSANG, Sze Chun(MGT); HUANG, Yaozhun(BME); LAM, Miu Ling(SM); CHEN, Bin(SM) |
| 482 | Kit and a Method for Determining the Presence or Amount of a Target Nucleic Acid Sequence in a Sample | United States | ZHAO, Zichen(MBE); CHEN, Shan(MBE); AU IEONG, IEONG Ka I(MBE); CHEN, Ting Hsuan(BME) |
| 484 | Emissions Treatment Apparatus and a Method for Treating Emissions | United States | LAU, Siu Chuen(MSE); WONG, Chung Kai Joseph(CA); VELLAISAMY, A. L. Roy(MSE) |
| 485 | Method and An Apparatus for Use in an Electric Circuit | United States | LAU, Wing Hong Ricky(EE); CHENG, Chun Sing(EE); CHUNG, Shu Hung Henry(EE) |
| 489 | Method for Use in Optical Imaging, A System for Using in Optical Imaging And An Optical System | United States | LU, Haojian(BME); SHEN, Yajing(BME) |
| 490 | Phase Retrieval Using Coordinate Decent Techniques | United States | ZENG, Wenjun(EE); SO, Hing Cheung(EE) |
| 491 | SYSTEM, DEVICE AND SENSOR FOR MONITORING CIRCULATORY CONDITIONS AND A METHOD FOR MANUFACTURING THE SAME | United States | SUN, Qijun(MSE); ZHUANG, Jiaqing(AP); VELLAISAMY, A. L. Roy(MSE) |
| 492 | Augmented Reality Systems and Methods | United States | TSANG, Wai Ming Peter(EE) |
| 494 | Metallic Structure | United States | WU, Ge(MNE); LU, Jian(MNE) |
| 495 | System and Method for Delivery of Substrate into Mammalian Cells | United States | CHOW, Yu Ting(MBE); WANG, Ran(MBE); SUN, Dong(BME) |
| 496 | Systems And Methods for Rate Control in Video Coding Using Joint Machine Learning And Game Theory | United States | KWONG, Tak Wu Sam(CS); GAO, Wei(CS) |
| 497 | Metal Material And A Method for Use in Fabricating Thereof | United States | WU, Ge(MNE); LU, Jian(MNE) |
| 498 | A Circuit Arrangement for use in a Power Conversion Stage adn a Method of Controlling a Power Conversion Stage | United States | CHUNG, Shu Hung Henry(EE); WANG, Kewei(EE) |
| 499 | An Electrochemical Detector | United States and others | VENKATESH, Shishir(MSE); YEUNG, Chi Chung(CHEM); VELLAISAMY, A. L. Roy(MSE) |
| 501 | Counter-rotating vertical axis wind turbine with deflector and vortex generators | United States | PENG, Hua Yi(CA); LAM, Heung Fai(CA) |
| 502 | Method of Fabricating Nanoporous Metal Structure | United States | SHEK, Chan Hung(MSE); XU, Yi(MSE); YIU, Pak Man(AP) |

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| 503 | Small-Interfering RNA Expression Systems for Production of Small-Interfering RNAs and Their Use | United States and others | HUANG, Lin Feng(BMS); REN, Yu Tian(VM); CHEUNG, Hung Chi(BMS); KAUR, Guneet(E2) |
| 504 | Systems and Methods for Privacy-Assured Similarity Joins Over Encrypted Datasets | United States | WANG, Cong(CS); WANG, XinYu(CS); YU, Chen Yun(CS); NUTANONG, Sarana(CS); YUAN, Xing Liang(CS) |
| 505 | Luminogenic Transition Metal-based Pyridyl Complex and Its Use | United States | TANG, Siu Ming(BCH); LEE, Cho Cheung(CHEM); LIU, Huawei(CHEM); LO, Kam Wing Kenneth(CHEM) |
| 506 | Composite Material Composition And A Method of Forming A Composite Material Composition | United States | LU, Yang(MNE); SONG, Jian(MBE) |
| 507 | Cytotoxic Platinum Complex, its Preparation and Therapeutic Use | United States | MA, Lili(CHEM); ZHU, Guangyu(CHEM) |
| 508 | Cubic Boron Nitride Coating Cutter And Preparation Method Thereof | China | HE, Bin(MSE); ZHANG, Wenjun(MSE) |
| 510 | Method of Converting an Organic Waste and its Product and Use of the Product | Hong Kong | KWAN, Tsz Him(E2); Ming, Yiu Heng Ernest*; LIN, Sze Ki Carol(E2) |
| 512 | Systems and Methods for Optical Frequency Comb Generation Using a Microring Resonator | United States | CHU, Sai Tak(PHY); ZHU, Kun(PHY) |
| 513 | Method for Preparing Hierarchically Porous Doped Carbon Material and its use | United States | PEI, ZengXia(MSE); ZHI, Chunyi(MSE) |
| 514 | High Entropy Alloy Thin Film Coating and Method for Preparing The Same | United States | LIAO, Weibing(MBE); LU, Yang(MNE) |
| 515 | Method for Surface Modification of Nanoparticles | United States | KONG, Wei(MSE); SUN, Tian Ying(MSE); WANG, Feng(MSE) |
| 516 | An Apparatus and Method for Testing Performance of an Electrosurgical Tool | United States | LI, Kwok Yan(MNE); SHUM, Po Wan(MBE); ZHOU, Zhifeng(NPMM) |
| 517 | Cerium Oxide Coating, Its Preparation and Use | United States | ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE); SHI, Zhen(MBE); LI, Kwok Yan(MNE) |
| 518 | Electrochemical Detector | United States and others | LAM, Hon Wah Michael(CHEM); YEUNG, Chi Chung(CHEM); CHUNG, Kam Sing(MSE); LAU, Siu Chuen(MSE); VELLAISAMY, A. L. Roy(MSE) |
| 519 | Systems and Methods Providing Anti-counterfeiting with Multi-mode Luminescent Nanotagants | United States | CHEN, Xian(AP); SUN, Tian Ying(MSE); WANG, Feng(MSE) |
| 520 | Method for Operating a Distributed Key-Value Store | United States | GUO, Yu(CS); YUAN, Xing Liang(CS); WANG, XinYu(CS); WANG, Cong(CS) |
| 521 | Low-loss Silicon on Insulator Based Dielectric Microstrip Line | United States | ZHU, Hao Tian(SKMW); XUE, Quan(EE) |
| 522 | Method of Making Carbon Nanotubes Doped with Iron, Nitrogen and Sulphur | United States | LU, Jian(MNE); ZENG, Shan Shan(MNE); LI, Yangyang(MSE) |
| 523 | 大数据处理流程模块化方法及装置 | China | XU, Chang(CS); JIA, Wen Long(CS); LI, Shuaicheng(CS) |

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| 524 | Isolated Carbon Particle Embedded Diamond-like Carbon Coating | United States | LI, Kwok Yan(MNE); ZIA, Abdul Wasy(MNE); ZHOU, Zhifeng(NPMM) |
| 526 | Energy Absorbing Device | United States | LU, Jian(MNE); TANG, Tao(NPMM); YAO, Lu(MNE); GAO, Yuan(MNE) |
| 527 | Energy Absorbing Device | United States | TANG, Tao(NPMM); GAO, Yuan(MNE); YAO, Lu(MNE); LU, Jian(MNE) |
| 528 | METHOD FOR CONSTRUCTING FOUR-DIMENSIONAL PRINTING OF CERAMIC OBJECTS | United States and others | LU, Jian(MNE); LIU, Guo(MNE) |
| 529 | System and Method for Processing a Data Structure | United States | ZENG, Wenjun(EE); SO, Hing Cheung(EE) |
| 530 | HEVC with Complexity Control based on Dynamic CTU depth range adjustment | United States | KWONG, Tak Wu Sam(CS); ZHANG, Jia(CS) |
| 532 | Method of Producing Poyunsaturated Fatty Acid | United States | SO, Lok Man(CHEM); TSE, Man Chak(BCH); CHI, Kai Kin(BCH); YEUNG, Sin Yu(MBE); KONG, Yuen Chong Richard(CHEM) |
| 533 | System and Method for Providing Multi-wavelength Laser | United States | WANG, Lidai(BME); LIANG, Yi Zhi(MBE) |
| 534 | Terahertz Injection-Locked Radiator System | United States | WU, Liang(SKMW); XUE, Quan(EE) |
| 535 | Chip-and-Package Distributed Antenna | United States | XUE, Quan(EE); WU, Liang(SKMW); LIAO, Shaowei(SKMW) |
| 536 | Adhesive System. Method of Manufacture Thereof and Biological Kit Comprising Same | United States | ZHAO, Yan Hua(MNE); WU, Yang(MBE); WANG, Liang(MBE); WANG, Zuankai(MNE) |
| 537 | Doherty Power Amplifier | United States | HO, Derek(MSE); CHAN, Wing Shing(EE); ZHOU, Xinyu(EE); Zheng, Shao Yong*; CHEN, Shichang* |
| 539 | A System and Method for Conducting a Textual Data Search | United States | XU, Ruiyun(IS); CHEN, Hai Liang(IS); ZHAO, Jianliang(IS) |
| 540 | Electronic Storage System and a Method of Data Management | United States | CAI, Chengjun(CS); YUAN, Xing Liang(CS); WANG, Cong(CS) |
| 541 | Phase-Tuning Oscillators | United States | WU, Liang(SKMW); XUE, Quan(EE) |
| 542 | Method of Diagnosing An Electrical Energy Storage Apparatus, An Electronic Device for Use in An Electrical Energy Storage Apparatus And An Electrical Energy Storage Apparatus | United States | CHUNG, Shu Hung Henry(EE); LAU, Wing Hong Ricky(EE); LIU, Chun For(EE) |
| 543 | A Gesture Recognition Apparatus and Components Thereof | United States | SIDDQUI, Nabeel(EE); CHAN, Ho Man(EE) |
| 544 | Ruthenium Complex for Use in Nitrite Detection | United States | LO, Hoi Shing(CHEM); WONG, Chun Yuen Alex(CHEM) |
| 545 | Drug Delivery Device And Its Method of Manufacture | United States | ROGACH, Andrey(MSE); LAI, Wing Fu(AP) |
| 546 | System and Method for Ankle Rehabilitation | United States | LU, Haojian(BME); SHEN, Yajing(BME) |
| 550 | A Method of Facilitating Natural Language INteractions, A Method of Simplifying an Expression and System Thereof | United States | LEE, John Sie Yuen(LT) |
| 552 | Method for Making Aerogel | United States | XU, Yan(E2); DAOUD, Walid(MNE); LEUNG, Kwok Hi Michael(E2) |
| 553 | Electric circuit arrangement and a method for generating electric current pulses to a load | United States | CHUNG, Shu Hung Henry(EE); TUNG, Chung Pui(EE); FAN, Wing To(EE); CHEUNG, Sui Pung(CSCR); CHOW, Po Wah Jeff(EE) |

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| 555 | Method for Determining Optimal Laying Arrangement of Infrastructure Link | United States | CUCKER, Felipe(MA); WANG, ZengFu(EE); WANG, Qing(EE); Wang, Gang*; GUO, Jun(EE); ZUKERMAN, Moshe(EE); TAHCHI, Elias*; WANG, Yu(CA); MORAN, William* |
| 557 | Method for fabricating a polymeric material for use in an energy storage apparatus, a polymeric material and an energy storage apparatus comprising thereof | United States | HUANG, Yan(MSE); ZHI, Chunyi(MSE) |
| 558 | Apparatus for Magnetostrictive Sensor for Guided-Wave-Based Inspection, and its Associated System and Method | United States | nan; FANG, Zhou(SEEM) |
| 559 | Optical mask for use in a photolithography process, a method for fabricating the optical mask and a method for fabricating an array of patterns on a substrate using the optical mask | United States | FANG, Ming(MSE); SHU, Lei(MSE); HO, Johnny Chung Yin(MSE) |
| 560 | System And Method for Controlling A Switching Network of A Power Regulation Circuit | United States | FAN, Wing To(EE); YEUNG, Shun Cheung(EE); CHUNG, Shu Hung Henry(EE) |
| 561 | Systems And Methods for Robust Low-rnk Matrix Approximation | United States | SO, Hing Cheung(EE); ZENG, Wenjun(EE); Chen, Jia Yi* |
| 562 | Method of Producing Antibody Fragment | United States and others | CHAN, Lai Leo(SKMP); WEI, Likun(BMS); SHI, Jiahai(BMS); FENG, Li Min(SKMP) |
| 564 | Wireless Optogenetic Device and Associated Radiation System | United States | Liu, Ming*; LIN, Xudong(BME); SHI, Peng(BME) |
| 566 | Autostereoscopic Multi-view Display System And Related Apparatus | United States | RUAN, Ling Yan(SM); LAM, Miu Ling(SM); CHEN, Bin(SM) |
| 567 | Dual-fed Dual-frequency Hollow Dielectric Antenna | United States | FENG, Li Ying(EE); LEUNG, Kwok Wa(EE) |
| 568 | Hybrid Polymeric Structure, A Method for Fabricating a Hybrid Polymeric Structure and A Method for Connecting Two Polymeric Layers with the Bybrid Polymeric Structure | United States | NIU, Xinrui(MNE); ZHAN, Yue Xing(MBE); CHAN, Yan Ting(MBE); WONG, Tsz Ling(MBE); YIU, Tak Mei(MBE) |
| 569 | Communication System And A Method for Operating Or Evaluating The Same Using Selective Base Station Sleeping | United States | WONG, Wing Ming Eric(EE); WU, Jingjin Timothy(EE); ZUKERMAN, Moshe(EE); GUO, Jun(EE) |
| 570 | Base Station Sleep Mode Based on Powder Consumption And/or Quality of Service | United States | ZUKERMAN, Moshe(EE); CHAN, Yin Chi(EE); WU, Jingjin Timothy(EE); WONG, Wing Ming Eric(EE) |
| 571 | Analytical Method of Determining The Solution of An Object with Edges under Applied Load | United States | GUO, Liang(MNE); ZHANG, Zhi MIng*; WANG, Wen*; WONG, Pat Lam Patrick(MNE) |
| 572 | Method for Accelerating Execution of Application in a Trusted Execution Environment | United States | WANG, Cong(CS); CUI, He Lei(CS); DUAN, Hua Yi(CS) |
| 574 | Rechargeable Polyacrylamide Based Polymer Electrolyte Zinc-Ion Batteries | United States | LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 575 | Rechargeable zinc-ion batteries having flexible shape memory | United States | WANG, Zifeng(MSE); ZHI, Chunyi(MSE) |

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| 576 | METHOD OF DETERMINING TARGET NUCLEIC ACID | United States | ZHANG, Wenjun(MSE); HUANG, Lin Feng(BMS); WANG, Zixun(BME); WANG, Xin(BMS); SHI, Peng(BME) |
| 578 | Dielectric Resonator Antenna | United States | GUO, Lei(EE); LEUNG, Kwok Wa(EE); PAN, Yongmei(EE) |
| 579 | Dielectric Resonator Antenna | United States | GUO, Lei(EE); LEUNG, Kwok Wa(EE) |
| 582 | Position and Magnetic Field Sensor | United States | RUOTOLO, Antonio(MSE) |
| 583 | Electric Circuit and Associated Method for Regulating Power Transfer in a Power Grid | United States | HE, Yuanbin(EE); LAI, Chun Tak(EE); CHUNG, Shu Hung Henry(EE) |
| 585 | System and method for manipulating deformable objects | United States | HU, Zhe(BME); PAN, Jia(BME) |
| 586 | Plantium Comple, its preparation and Therapeutic Use | United States | WANG, Zhi Gang(CHEM); XU, Zou Feng(CHEM); ZHU, Guangyu(CHEM) |
| 588 | Battery System And A Method of Forming A Battery | United States | WANG, Hui Min(E2); YU, Yau Wai Denis(E2) |
| 589 | Unidirectional Liquid Transport Systems And Methods of Manufacture Thereof | United States | LI, Jia Qian(MNE); ZHOU, Xiao Feng*; WANG, Zuankai(MNE) |
| 590 | Composite And Method of Preparing It | United States and others | YAO, Xi(BMS); HE, Wen Qing(BMS) |
| 591 | Underwater Self-healable Materials, Methods of Making Thereof, And Products Comprising Same | United States | YAO, Xi(BMS); LIU, Mei Jin(BMS) |
| 593 | Aerial System And A Method of Controlling An Aerial System | United States | HSIAO, Yi Hsuan(BME); CHIRARATTANANON, Pakpong(BME) |
| 594 | Method of Producing DNA and DNA Library | United States | KWOK, Chun Kit(CHEM); YEUNG, Pui Yan(CHEM) |
| 595 | Antimicrobial Peptide, Its Analog And Use | United States | SUN, Hongyan(CHEM); LAM, Yun Wah(SI); AU, Wai Ting Doris(CHEM) |
| 596 | Doherty Power Amplifier Circuit | United States | HO, Derek(MSE); CHAN, Wing Shing(EE); Fang, Xiao Hu*; Zheng, Shao Yong*; ZHOU, Xinyu(EE) |
| 598 | Conductive yarn-based nickel-zinc textile batteries | United States | ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); HUANG, Yan* |
| 599 | Systems and Methods for Signal Processing Using Coordinate Descent Techniques for Unit Modulus Least Squares (UMLS) and Unit-Modulus Quadratic Program (UMQP) | United States | Zoubir, Abdelhak M.*; Chen, Jia Yi*; ZENG, Wenjun(EE); SO, Hing Cheung(EE) |
| 600 | Device And Method for Visual Quantification of An Amount of Target Species in A Sample Solution | United States | CHEN, Ting Hsuan(BME); ZHAO, Zichen(MBE) |
| 601 | Methods of Treatment of Viral Infection and Uses of Anti-Hsc70 Inhibitors | United States | HE, Mingliang(BMS) |
| 602 | Gel Polymer Electrolytes Comprising Electrolyte Additive | United States | TANG, Zi Jie(MSE); ZHU, Minshen(MSE); ZHI, Chunyi(MSE) |
| 603 | Anti-sticking Material | China | LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM) |
| 604 | Antenna | United States | GUO, Lei(EE); YANG, Nan*; LEUNG, Kwok Wa(EE) |
| 605 | Antenna Assembly | United States | LEUNG, Kwok Wa(EE); GUO, Lei(EE); TSANG, Kim Fung(EE) |
| 606 | Method for Constructing A Printed Ceramic Object And A Ceramic Object Constructed by The Same | United States and others | LU, Jian(MNE); LIU, Guo(MNE) |

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| 610 | Systems and Methods Using a Wearable Sensor for Sports Action Recognition and Assessment | United States | LI, Wen Jung(MNE); CHAN, Ho Man(EE); WANG, Yufan(MNE); ZHANG, Guanglie(MNE) |
| 611 | Waveguide Fed Open Slot Antenna | United States | WONG, Hang(EE); YI, Xuan(EE) |
| 612 | Method for Modifying A Surface of A Metallic Substrate Material | United States | ZHAN, Yawen(MNE); LI, Yangyang(MSE); LU, Jian(MNE) |
| 614 | Adaptable Electrical Component | United States | MO, Fu Nian(MSE); ZHI, Chunyi(MSE) |
| 615 | Filtering Dielectric Resonator Antennas Implementing Radiation Cancellation | United States | LIU, Yan Ting(EE); REN, Jian(EE); LEUNG, Kwok Wa(EE) |
| 617 | Electroluminescent device and a light emitting system | United States | LIANG, Guojin(MSE); ZHI, Chunyi(MSE) |
| 618 | Energy Storing Electrical Device And A Method of Constructing An Electrical Device | United States | ZHI, Chunyi(MSE); WANG, Yukun(MSE) |
| 619 | Energy Harvesting And Storage Apparatus And A Method of Forming Thereof | United States | WANG, Zifeng(MSE); ZHI, Chunyi(MSE) |
| 620 | System And Method for Enabling The Secure Storage, Transmission And Access of Genetic Data | United States | LI, Shuaicheng(CS); DONG, Wei(BMS) |
| 621 | Method for the Fabrication of Architected 3D High Entropy Alloy Structures | United States | LU, Yang(MNE); SURJADI, James Utama(MNE) |
| 622 | SYSTEM AND METHOD FOR DETERMINING OPTIMAL PATH ARRANGEMENTS FOR AN INFRASTRUCTURE LINK WITH TERRAIN SLOPE CONSIDERATION | United States | TAHCHI, Elias*; MORAN, Bill*; WANG, ZengFu(EE); WANG, Qing(EE); ZUKERMAN, Moshe(EE) |
| 623 | Robust Electrical Component And An Electrolyte for Use in An Electrical Component | United States | LIU, Zhuoxin(MSE); ZHI, Chunyi(MSE) |
| 624 | System And Method for Controlling Operation of an Autonomous Vehicle | United States | YEUNG, Kai Hau Alan(EE); ZUKERMAN, Moshe(EE) |
| 625 | Energy Storage Device Including A Cobalt-based Compound Electrode | United States | MA, Longtao(MSE); ZHI, Chunyi(MSE) |
| 628 | Enrichment and determination of nucleic acids targets | United States | ZHENG, Zongli(BMS); KEBEDE, Firaol Tamiru(BMS) |
| 629 | System and method for processing data and managing information | United States | ZHENG, Yifeng(CS); CAI, Chengjun(CS); WANG, Cong(CS) |
| 630 | Systems And Method for Four-dimensional Printing of Elastomer of Elastomer-derived Ceramic Structures by Compressive Buckling-induced Method | United States and others | LIU, Guo(MNE); ZHAO, Yan(MNE); LU, Jian(MNE) |
| 631 | Deformation method 4-D printed elastomer derived ceramic | United States and others | ZHAO, Yan(MNE); LIU, Guo(MNE); LU, Jian(MNE) |
| 633 | Method for Processing Electronic Data | United States | ZENG, Wenjun(EE); Chen, Jia Yi*; Zoubir, Abdelhak M.*; SO, Hing Cheung(EE) |

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| 635 | Power Circuit and Its Operation Method for Regulating Power Transfer | United States | CHUNG, Shu Hung Henry(EE); YUEN, Kuen Faat(EE) |
| 636 | System And Method for Determining A State of Photovoltaic Panel | United States | GARAJ, Martin(EE); HONG, Yiwen Kelvin(EE); CHUNG, Shu Hung Henry(EE) |
| 638 | Method and an Apparatus for Producing a Film of Carbon Nitride Material | United States | XIONG, Wei(PHY); HUANG, Miaoyan(PHY); TIAN, Haoran(PHY); ZHANG, Ruiqin(PHY) |
| 639 | METHOD AND A SYSTEM FOR ANALYZING NEUROPHARMACOLOGY OF A DRUG | United States | LIN, Xudong(BME); SHI, Peng(BME); WANG, Xin(BMS) |
| 640 | System and Method for Analyzing Survivability of an Infrastructure Link | United States | TAHCHI, Elias*; MORAN, William*; WANG, Qing(EE); ZUKERMAN, Moshe(EE); WANG, Zengfu* |
| 641 | Guide RNA Molecule And Method for Treating Cancer | United States | WANG, Xin(BMS); CHIN, Rebecca Y M(BMS); HU, Jianyang(BMS) |
| 644 | High Entropy Alloy Structure and a Method of Preparing the Same | United States | YANG, Yong(MNE); DING, Zhaoyi(MNE); HE, Quanfeng(MNE) |
| 646 | Optical Printed Circuit Board and Its Fabrication Method | United States | JIN, Wei(EE); CHAN, Hau Ping Andy(EE); LOR, Kar Pong(EE); CHIANG, Kin Seng(EE) |
| 647 | Convolutional Neural Network Based Synthesized View Quality Enhancement for Video Coding | United States | ZHU, Linwei(CS); ZHANG, Yun(CS); KWONG, Tak Wu Sam(CS) |
| 648 | ELECTRODE MATERIAL AND A METHOD OF PREPARING THE SAME | United States | LEE, Pui Kit(E2); TAN, Tian(E2); YU, Yau Wai Denis(E2) |
| 649 | Method and an Apparatus for Determining a Presence or an Amount of a Polyamine or Its Derivative in a Sample | United States | VENKATESH, Shishir(MSE); YEUNG, Chi Chung(CHEM); VELLAISAMY, A. L. Roy(MSE); LAM, Hon Wah Michael(CHEM) |
| 650 | Generative Adversarial Network Based Intra Prediction for Video Coding | United States | KWONG, Tak Wu Sam(CS); ZHANG, Yun(CS); ZHU, Linwei(CS) |
| 651 | Antibacterial Multifunctional Material with Self-repairing Performance And Preparation And Application Thereof | China | YAO, Xi(BMS); HE, Wen Qing(BMS) |
| 652 | Antenna Assembly | United States | GUO, Lei(EE); LEUNG, Kwok Wa(EE); TSANG, Kim Fung(EE) |
| 653 | Power Generation Device and Electric Device Incorporating the Same | United States | YANG, Zhengbao(MNE) |
| 654 | RECHARGEABLE ELECTRICAL DEVICE HAVING A MULTI-LAYERED STRUCTURE MOLYBDENUM DISULPHIDE CATHODE | United States | TANG, Zi Jie(MSE); WANG, Zifeng(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 655 | Low Temperature Operable Electrical Energy Supply Device | United States | ZHI, Chunyi(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE); MO, Fu Nian(MSE) |
| 656 | High Entropy Alloy Structure and a Method of Preparing the Same | United States | YANG, Yong(MNE); DING, Zhaoyi(MNE); HE, Quanfeng(MNE) |

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| 659 | HYDROGEL ELECTROLYTE HAVING MULTIPLE CROSSLINKED STRUCTURES AND AN ENERGY STORAGE DEVICE INCLUDING SUCH ELECTROLYTE | United States | TANG, Zi Jie(MSE); MA, Longtao(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 661 | A Method of Forming a Composite Material and a Composite Material | United States and others | FAN, Rong(MNE); LU, Yang(MNE) |
| 663 | System and Method for Rendering An Image | United States | LIU, Qi(EE); SHE, She(EE); CHAN, Ho Man(EE); PALMERSTON, Jeremiah Bradley* |
| 664 | Soft Body Robotic Device | United States | YANG, Xiong(BME); LU, Haojian(BME); SHEN, Yajing(BME) |
| 668 | Method of Presenting Flight Data of an Aircraft and a Graphical User Interface for Use with the Same | United States | LI, Lishuai(DS); CHARRUAUD, Florent(SEEM); ZHAO, Weizun(DS) |
| 672 | Antenna | United States | LUK, Kwai Man(EE); XU, Yanhong(EE) |
| 673 | Energy Storage Device and a Method of Preparing the Same | United States | TANG, Zi Jie(MSE); WANG, Yukun(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 675 | Nanostructured Colour Film Having Dual-phase First Layer And/or Amorphous Metallic Second Layer | United States | BU, Yu(MNE); WU, Ge(MNE); LU, Jian(MNE) |
| 676 | Electrode for Use in an Electrical Energy Storage Apparatus and a Method for Manufacturing an Electrode for Use in an Electrical Energy Storage Apparatus | United States | ZHANG, Wenjun(MSE); WU, Shuilin(MSE); ZHANG, Kaili(MNE) |
| 677 | Electrical Energy Storage Apparatus and a Method of Preparing the Same | United States | MA, Longtao(MSE); TANG, Zi Jie(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 678 | System And Method For Gaza Estimation | United States | LI, You Fu(MNE); SU, Dan(MNE) |
| 680 | Medium for Binding Components in An Assembly of An Electronic Device, A Method of Preparing The Same, A Display Assembly of An Electronic Device, And A System for Simulating Mechanical Behaviours of The Electronic Device And The Medium | United States | XU, Bo(MNE); NIU, Xinrui(MNE) |
| 682 | System and Method for Determining an Optimal Path Arrangement of an Infrastructure Link Network | United States | ZUKERMAN, Moshe(EE); MORAN, William*; WANG, Qing(EE); WANG, Zengfu* |
| 683 | Electromedical Apparatus, a Method for Manufacturing the Electromedical Apparatus and a Method for Deploying the Electromedical Apparatus | United States | PANG, Stella W.(EE); XU, Yuanhao(EE) |
| 684 | Electromagnetic Device for Manipulating a Magnetic-Responsive Robotic Device | United States | SUN, Dong(BME); LI, Dongfang(BME) |
| 685 | Magnetically Controllable Robotic Device And Its Method of Making | United States | LIAO, Pan(BME); XING, Liuxi(BME); SUN, Dong(BME) |
| 686 | Imaging And Manipulation of Biological Sample | United States | GAO, Wendi(BME); SUN, Dong(BME) |

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| 687 | Entropy-Stabilized Ceramic Thin Film Coating, Method for Preparing the Same, and Component Coated with the Same | United States and others | LU, Jian(MNE); BIAN, haidong(MNE); LI, Zebiao(MNE); HE, Quanfeng(MNE); YANG, Yong(MNE); LI, Yangyang(MSE) |
| 688 | Dual-band Antenna for Global Positioning System | United States | LEUNG, Kwok Wa(EE); SUN, Yuxiang(ICTC); REN, Jian(EE) |
| 689 | An Electrical Energy Storage Device and a Method of Preparing the Same | United States | LIU, Zhuoxin(MSE); TANG, Zi Jie(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE) |
| 690 | Wideband Doherty High Efficiency Power Amplifier | United States | HO, Derek(MSE); CHAN, Wing Shing(EE); ZHOU, Xinyu(EE); Zheng, Shao Yong* |
| 691 | Metallic Structure And A Method for Surface Treatment of A Metallic Structure | United States and others | ZHOU, Binbin(CityUSRI); LI, Yangyang(MSE); LU, Jian(MNE); SHEN, Junda(MNE) |
| 692 | Energy Storage Device, An Electrode for An Energy Storage Device, And A Method of Fabricating The Electrode | United States | WANG, Donghong(MSE); TANG, Zi Jie(MSE); LIANG, Guojin(MSE); ZHI, Chunyi(MSE) |
| 694 | Substrate-Integrated Device And Method for Making The Same | United States | LEE, Wai Ki(EE); KREMER, Hauke Ingolf(EE); LEUNG, Kwok Wa(EE) |
| 695 | Multi-band Antenna | United States | LEUNG, Kwok Wa(EE); REN, Jian(EE); SUN, Yuxiang(ICTC) |
| 696 | Dielectric Reflectarray Antenna And Method for Making The Same | United States | SUN, Yuxiang(ICTC); LEUNG, Kwok Wa(EE) |
| 697 | Systems and Methods for Creating Haptic Proxies for Use in Virtual Reality | United States | ZHU, Kening(SM); HAN, Feng*; CHEN, Taizhou(SM); WU, Yi-Shiun* |
| 698 | Torque Measurement System | United States | YANG, Zhengbao(MNE) |
| 699 | Energy Storage Device and a Method of Preparing The Device | United States | MA, Longtao(MSE); ZHI, Chunyi(MSE); LI, Xinliang(MSE); YANG, Qi(MSE) |
| 700 | A Facile Method for The Large Area Synthesis of Geometrically Two Dimensional Metals And Ceramics | United States | WANG, Tianyu(MNE); HE, Quanfeng(MNE); YANG, Yong(MNE); DING, Zhaoyi(MNE) |
| 701 | High-entropy Lattice achieved by 3D printing | United States | ZHOU, Wenzhao(RSZ); FAN, Rong(MNE); LU, Yang(MNE) |
| 703 | PIM1 Inhibitors for Use in Treatment of Viral Infection And Pharmaceutical Compositions Thereof | United States | HE, Mingliang(BMS); CHEN, Ying(BMS); ZHOU, Fanghang(BMS); WAN, Qianya(VM) |
| 705 | Hybrid Heat Pump System | United States | WU, Wei(E2) |
| 706 | Hybrid Heat Pump System | United States | WU, Wei(E2) |
| 707 | Hybrid Heat Pump System | United States | WU, Wei(E2) |
| 709 | Three-dimensional Sketching in Mobile Augmented Reality | United States | FU, Hongbo(SM); KWAN, Kin Chung(SM) |
| 710 | System and Method for Counting Objects | United States | ZHANG, Qi(CS); CHAN, Antoni Bert(CS) |
| 711 | Recombinant Cell And Method of Producing Itaconic Acid | United States | LEE, Patrick Kwan Hon(E2); LIM, Chee Kent(E2) |
| 712 | 一种超分子聚合物、自修复疏油涂层及其制备方法与应用 | China | YI, Bo(BMS); YAO, Xi(BMS) |
| 715 | Catalyst And A Wastewater Treatment Method | United States | LU, Jian(MNE); JIA, Zhe(MNE); WANG, Qing(MNE) |
| 716 | Fluidic Apparatus for Detection of A Chemical Substance, A Biosensor And A Method of Fabricating The Fluidic Apparatus | United States | ZHU, Shuyan(EE); PANG, Stella W.(EE) |

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| 718 | Energy Storage Device And An Electrode for An Energy Storage Device | United States | ZHAO, Yuwei(MSE); MA, Longtao(MSE); TANG, Zi Jie(MSE); ZHI, Chunyi(MSE) |
| 720 | Planar Complementary Antenna And Related Antenna Array | United States | LUK, Kwai Man(EE); ZENG, Jingtao(EE) |
| 722 | 一种粒子堆垛型生物胶黏剂及其制备与应用 | China | YAO, Xi(BMS); HOU, Changshun(VM) |
| 723 | Video Quality Determination System And Method | United States | ZHANG, Yun(CS); KWONG, Tak Wu Sam(CS) |
| 724 | Modified Protein And Method for Altering Genome of Cell | United States | SHI, Jiahai(BMS); ZHENG, Zongli(BMS); TAN, Yuanyan(BMS) |
| 725 | Dielectric Resonator Antenna | United States | LI, Weiwei(EE); YANG, Nan*; LEUNG, Kwok Wa(EE) |
| 729 | Neurostimulation System And Method for Modulating Abnormal Motor Movement | United States | MA, Chi Him Eddie(NS); TIN, Chung(BME); KUMAR, Gajendra(NS) |
| 731 | METHOD OF CONSTRUCTING A MICROMECHANICAL DEVICE | United States | GAO, Libo(MNE); FAN, Su Feng(MNE); WANG, Yue Jiao(MNE); LU, Yang(MNE) |
| 732 | Antenna And Related Communication Device | United States | FENG, Li Ying(EE); LEUNG, Kwok Wa(EE) |
| 734 | 一种电动汽车车载充电系统 | China | LIU, Chunhua(E2); XIAO, Yang(E2) |
| 735 | 一种电动汽车充电系统 | China | LIU, Chunhua(E2); XIAO, Yang(E2) |
| 737 | Wireless Communication System And A Precoder Device for Use in Such System | United States | KOK, Chi Wah(EE); TAM, Wing Shan(EE); CHAN, Wai Ming(EE); SO, Hing Cheung(EE) |
| 739 | Electrochemical Detector | United States | VELLAISAMY, A. L. Roy(MSE); LAU, Chi Kong Terrence(BMS); SAW, LIN OO(MSE) |
| 740 | An Electronic Memory Device And A Method of Manipulating The Electronic Memory Device | United States | IRFAN, Muhammad(EE); ULLAH, Zahid*; CHEUNG, Chak Chung Ray(EE) |
| 743 | Electron Gun And Apparatus Incorporating The Same | United States | CHEN, Fu-Rong(MSE); LI, Pei En*; TSENG, Ying Shuo*; HSUEH, Yu-Chun(MSE) |
| 745 | Imaging Apparatus And Related Control Unit | United States | CHEN, Fu-Rong(MSE); TSENG, Ying Shuo*; LI, Pei En* |
| 747 | Supramolecular Polymer Composition And Method of Preparation Thereof | United States and others | LU, Gang(E2); YAO, Xi(BMS) |
| 748 | Method for Treating A Surface of A Metallic Structure | United States | OU, Weihui(MNE); ZHAO, Chenghao(MSE); LI, Yangyang(MSE); ZHOU, Binbin(CityUSRI); SHEN, Junda(MNE); LU, Jian(MNE) |
| 749 | Compound for Use in An Optoelectronic Device Including A Heterojunction | United States | XU, Zhengtao(CHEM); JEN, Alex Kwan Yue(MSE); ZHU, Zonglong(CHEM) |
| 750 | FILTER-ANTENNA AND METHOD FOR MAKING THE SAME | United States and others | LIU, Yan Ting(EE); YANG, Nan*; LEUNG, Kwok Wa(EE) |
| 751 | System And Method for Monitoring A Device | United States | LIU, Xin(DS); ZHANG, Zijun(DS) |
| 752 | Liquid Droplet Powered Electricity Generator | United States and others | XU, Wanghuai(MNE); ZHENG, Huanxi(MNE); WANG, Zuankai(MNE) |
| 753 | System And Method for Determining Layout of Wireless Communication Network | United States | WONG, Wing Ming Eric(EE); LIU, Jianqing(DCO) |

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| 754 | Electrolyte for Use in An Energy Storage Device And Energy Storage Device Using The Same | China | TANG, Tiancheng(MSE); MA, Longtao(MSE); TANG, Zi Jie(MSE); ZHI, Chunyi(MSE) |
| 755 | Electromechanical Sensor, A Method of Producing Such Sensor And A Wearable Device Including Such Sensor | United States | LAI, Wai Chiu King(BME); LI, Xiaoting(BME) |
| 756 | A Transmission Device | China | ZHAO, Hang(E2); LIU, Chunhua(E2) |
| 757 | Method of Producing An Aptamer And Uses Thereof | United States | CHAN, Chun Yin(CHEM); KWOK, Chun Kit(CHEM) |
| 760 | Method of Preparing Metal Nitride, Electrocatalyst with The Metal Nitride And Use Thereof | United States | ZHANG, Wenjun(MSE); LIU, Bin(MSE) |
| 761 | Energy Storage Apparatus And Electrolyte for Use in The Apparatus | United States | ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); LIANG, Guojin(MSE); MO, Fu Nian(MSE) |
| 762 | Method for Manipulating an Energy Storage Device | United States | TANG, Zi Jie(MSE); ZHI, Chunyi(MSE); GUO, Ying(MSE); YANG, Qi(MSE) |
| 766 | Methods And Kits for Detecting Exosomal Protein | United States | NG, Siu Pang(MSE); WU, Lawrence(MSE); QIU, Guangyu(MSE); YANG, Tian(NS); LEE, Youngjin(NS); THAKUR, Abhimanyu(NS); XU, Chen(MSE) |
| 768 | System And Method for Detecting A Target Enzyme | United States | ZHOU, Chuanwen(CHEM); LAM, Yun Wah(SI); LAM, Hon Wah Michael(CHEM) |
| 769 | Parallel-Plate Antenna | United States | LU, Kai(E2); LEUNG, Kwok Wa(E2) |
| 770 | Horn Antenna | United States | LEUNG, Kwok Wa(E2); LU, Kai(E2); YANG, Nan* |
| 775 | System And Method for Processing An Image | United States | KWONG, Tak Wu Sam(CS); LI, Chongyi(CS) |
| 778 | System And Method for Generating A Stained Image | United States | CHEUK, Wah*; MA, Wan San Victor*; LAU, Condon(PHY); CHO, Chi Shing*; LAW, Wing Lun(PHY); YUAN, Yixuan* |
| 780 | Universal Color Coding System, And A System And A Method of Manipulating Colors Using Such Color Coding System | United States | KUO, Way(IAS); nan |
| 781 | Sensor for Liquid Biopsy And Its Method of Making, And Method of Non-invasive Liquid Biopsy | United States | THAKUR, Abhimanyu(NS); LEE, Youngjin(NS); XU, Chen(MSE); NG, Siu Pang(MSE); WU, Lawrence(MSE) |
| 782 | Method of Preparing Graphdiyne-based Material And A Substrate for Use in Such Material Preparation Process | United States | GUO, Ying(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE); TANG, Zi Jie(MSE) |
| 784 | Battery And Method of Manufacturing Thereof | United States and others | ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); CHEN, Ao(MSE) |
| 785 | A Fluid Treatment Apparatus | United States | AN, Kyoung Jin Alicia(E2); CHOI, Paula Jungwon(E2) |
| 786 | Method and Composition for Inhibiting the Growth of Pseudomonas Syringae on a Plant Material, and Kit for Treating the Same | Hong Kong | SHAO, Xiaolong(BMS); WANG, Tingting(BMS); XIE, Yingpeng(BMS); DENG, Xin(BMS) |
| 788 | ENERGY HARVESTER AND A WEARABLE DEVICE | United States and others | WANG, Biao(MNE); YANG, Zhengbao(MNE) |
| 789 | Determination of Gain Characteristics of A Circularly-polarized Antenna | United States | LUK, Kwai Man(E2); DING, Chen(E2) |

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| 790 | Determination of Gain Characteristics of A Linaly-polarized Antenna | United States | DING, Chen(EE); LUK, Kwai Man(EE) |
| 791 | Determining Flow Speed Based on Photoacoustic Imaging And Sensing | United States | LIU, Chao(BME); WANG, Lidai(BME) |
| 795 | An Oscillator Circuit | United States | SHUM, Kam Man(SKMW); CHAN, Chi Hou(EE); ZHOU, Haifeng(SKMW) |
| 796 | METHOD AND COMPOSITION FOR INHIBITING GROWTH OF BACTERIUM | United States | LAW, Oi Kwan(BMS); LAU, Chi Kong Terrence(BMS) |
| 797 | Antenna And Methods of Fabricating The Antenna And A Resonaor of The Antenna | United States | ZHU, Shuyan(EE); LI, Yuanlong(EE); PANG, Stella W.(EE); LUK, Kwai Man(EE) |
| 798 | Infrastructure Link Path Arrangement Determination Method And System | United States | ZUKERMAN, Moshe(EE); WANG, Qing(EE); MORAN, William*; LEUNG, Fu Chu(EE); WANG, Xinyu(EE); TAHCHI, Elias*; WANG, Zengfu* |
| 799 | SEISMIC HAZARD DETERMINATION METHOD AND SYSTEM | United States | WANG, Zengfu*; WANG, Xinyu(EE); SUN, Yanni(EE); MORAN, William*; WANG, Qing(EE); Wang, Gang*; ZUKERMAN, Moshe(EE); WANG, Yu(CA) |
| 800 | A Method for Preparing A Solar Cell And A Solar Cell | China | YI, Shenghui(CA); LU, Jian(MNE); SU, Xiao*; PAN, Lulu(MNE); ZHAO, Jinjin*; HAO, Weizhong* |
| 803 | Wideband Omnidirectional Dielectric Resonator Antenna | United States | LEUNG, Kwok Wa(EE); LU, Kai(EE); XIA, Zhen-Xing(EE) |
| 804 | Broadbeam Dielectric Resonator Antenna | United States | XIA, Zhen-Xing(EE); LEUNG, Kwok Wa(EE) |
| 807 | Substrate Integrated Waveguide Fed Antenna | United States | CHAN, Chi Hou(EE); WANG, Manting(SKMW) |
| 808 | A Method of Fabrication An Array of Plasmonic Structures, A Biosensor And A Method of Fabricating Biosensor | United States | ZHU, Shuyan(EE); PANG, Stella W.(EE) |
| 811 | Platinum Complex, Its Preparation And Therapeutic Use | United States | ZHOU, Qiyuan(CHEM); ZHU, Guangyu(CHEM); XU, Zou Feng(CHEM) |
| 817 | 3-D Focus-steering Lens Antenna | United States | WU, Gengbo(EE); CHAN, Ka Fai(EE); CHAN, Chi Hou(EE) |
| 818 | On-chip Antenna And On-chip Antenna Array | United States | CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); KONG, Shangcheng(EE) |
| 819 | Self-filtering Wideband Millimeter Wave Antenna | United States | HU, Haotao(SKMW); CHAN, Chi Hou(EE) |
| 822 | Compound And A Method for Identifying A Protein Using Said Compound | United States | XIE, Yusheng(CHEM); WANG, Rui(BMS); ZHANG, Liang(BMS); SUN, Hongyan(CHEM) |
| 824 | Self-regenerated Hybrid Dehumidifier with Air Purification | United States | HO, Tsz Chung(E2); LEE, Hau Him(E2); CHEN, Siru(E2); TSO, Chi Yan(E2) |
| 828 | Drug And GENE Therapy to Treat High Myopia And Other Ocular Disorders with Enlarged Eye Globes | United States | MAI, Shuyi(VM); XIONG, Wenjun(BMS) |

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| 830 | An Electrolyte for An Energy Storage Apparatus And The Energy Storage Apparatus Comprising The Electrolyte | United States | HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE); LIANG, Guojin(MSE) |
| 831 | An Apparatus for Processing Air in An Indoor Environment | United States | LAI, Chi Keung Alvin(E2) |
| 833 | Therapeutic Potential of Glycopyrrolate And Mexiletine for Nervous System Injury | United States | MA, Chi Him Eddie(NS); AU, Ngan Pan(NS) |
| 834 | Nickel-rich Layered Oxide Cathode Materials for Li ION Batteries | United States | ZHU, He(PHY); LIU, Qi(PHY) |
| 835 | Bank-selective Power Efficient Ternary Content-addressable Memory | United States | ULLAH, Zahid*; IRFAN, Muhammad(EE); CHEUNG, Chak Chung Ray(EE) |
| 836 | Power Amplifier | United States | FENG, Wen Jie*; CHEN, Shichang*; CHAN, Wing Shing(EE); ZHOU, Xinyu(EE) |
| 837 | Method for Arranging Base Stations in A Communication Network | United States | ZHANG, Yue(EE); DAI, Lin(EE); WONG, Wing Ming Eric(EE) |
| 838 | Power Amplifier | United States | HO, Derek(MSE); CHAN, Wing Shing(EE); ZHOU, Xinyu(EE); ZHOU, Liheng(EE) |
| 840 | A SYSTEM AND A METHOD FOR IMPROVING CONSTRUCTION SAFETY | Hong Kong | FUNG, Wing Hong(CA); WONG, Chun Kit(DCO); OR, Siu Hong(CA) |
| 841 | 一種多功能吸收式蓄能型太陽能混合動力熱泵及運行方法 | China | WU, Wei(E2) |
| 842 | Alloy And A Method of Preparing The Same | United States | YANG, Yong(MNE); SHUANG, Shuo(MNE); CHUNG, Dukhyun(MNE) |
| 843 | Apparatus And Method of Processing Audio Signals | United States | CAPPOTTO, Drew(NS); SCHNUPP, Jan(NS) |
| 844 | APPARATUS AND A METHOD FOR PATTERNING BIOLOGICAL CELLS | United States | FAN, Lei(BME); LUO, Tao(MBE); SUN, Dong(BME) |
| 847 | Method for Determining Wireless Communication Network Layout | United States | WU, Jingjin Timothy(EE); DONG, Miaomiao(EE); WONG, Wing Ming Eric(EE) |
| 848 | Flexible Piezoceramic Composites and Method for Fabricating Thereof | United States | HONG, Ying(MNE); YANG, Zhengbao(MNE) |
| 849 | Method And System for Manufacturing A Structure | United States | LIU, Chain Tsuan(IAS); ZHANG, Tianlong(MSE) |
| 854 | Artificial Neural Network Configuration And Deployment | United States | CUI, Yufei(CS); LIU, Ziquan(CS); YAO, Wuguannan(MA); LI, Qiao(CS); KUO, Tei-wei(CS); XUE, Chun Jason(CS); CHAN, Antoni Bert(CS) |
| 855 | Energy Generation And Energy Recycling | United States | WANG, Steven(MNE); WANG, Hongbo(MNE) |
| 857 | Heat Sink with Counter Flow Diverging Microchannels | United States | JIANG, Xingchi(MNE); ZHANG, Shiwei(MNE); PAN, Chin(MNE) |
| 858 | Magnetically-drivable Microrobot | United States and others | WEI, Tanyong(BME); ZHANG, Yachao(BME); SUN, Dong(BME); CHEN, Shuxun(BME); LI, Dongfang(BME); WANG, Lidai(BME) |

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| 859 | LOW-DOSE RADIATION THERAPY FOR TRAUMATIC BRAIN INJURY AND STROKE | United States | MA, Chi Him Eddie(NS); AU, Ngan Pan(NS) |
| 869 | A Cryo Formulation-based Microneedle Device for Ocular Delivery of Bioactive Therapeutic Agents Using A Cryo-Microneedle Patch (Short title: Bacterial Delivery) | United States | CHEN, Peng*; CHANG, Hao(BME); XU, Chenjie(BME) |
| 870 | Targeting Mitochondrial Dynamics by Mitochondrial Fusion Promoter M1 as A Treatment Strategy for Nervous System Injury | United States | AU, Ngan Pan(NS); MA, Chi Him Eddie(NS) |
| 871 | Heat-driven Adsorption Vacuum Dehumidification System | United States | FONG, Kwong Fai Square(CA); LEE, Chun Kwong(CA) |
| 872 | Boron Carbide Bilayer Foam Solar Evaporator And Method for Preparing Thereof | United States | ZHAO, Qi(CHEM); LO, Raymond(MSE); LI, Shengliang(CHEM); LEE, Chun Sing(CHEM) |
| 875 | Method, Device And Computer Readable Medium for Intrinsic Popularity Evaluation And Content Compression Based Thereon | United States | DING, Keyan(CS); MA, Kede(CS); WANG, Shiqi(CS) |
| 877 | Method for Preparing Ceramic Materials And Products Thereof | United States | WANG, Hao(MNE); LU, Jian(MNE); LI, Yangyang(MSE); XU, Zhengtao(CHEM) |
| 879 | Method for Fabricating Zinc Oxide Nanostructures And Gas Sensors | United States | WANG, Ying(MSE); HO, Derek(MSE) |
| 880 | A Battery And A Method for Fitting A Electrolyte-containing Solid Medium to An Electrode in The Battery | United States | MA, Longtao(MSE); ZHI, Chunyi(MSE) |
| 881 | Method of Fabricating A Material for Use in Catalytic Reactions | United States | MA, Feixiang(MNE); LI, Yangyang(MSE); LU, Jian(MNE) |
| 882 | Power Amplifier Circuit | United States | CHAN, Wing Shing(EE); ZHOU, Xinyu(EE) |
| 883 | Wideband Doherty Power Amplifier | United States | CHAN, Wing Shing(EE); ZHOU, Xinyu(EE) |
| 884 | Method for Preparing Ceramic Materials | United States | DU, Peng(MNE); ZHONG, Jing(MSE); ZHANG, Guobin(MNE); LU, Jian(MNE); LI, Yangyang(MSE); XU, Zhengtao(CHEM) |
| 889 | 一种胶原基防水透湿薄膜及其制备方法与应用 | China | HU, Jinlian(BME); SHI, Shuo(BME) |
| 891 | 一种高性能胶原静电纺丝防水透湿薄膜及其制备方法与应用 | China | SHI, Shuo(BME); HU, Jinlian(BME) |
| 893 | AN OPEN-APERTURE WAVEGUIDE FED SLOT ANTENNA | United States | WONG, Hang(EE); GUO, Qingyi(EE) |
| 894 | RFID-Based Sensing Method And System | United States | nan; CHUNG, Shu Hung Henry(EE); ZHANG, Xu(EE) |
| 895 | An Electronic Sensing Apparatus And A Method of Producing The Electronic Sensing Apparatus | United States | HE, Jiahui(BME); YU, Xinge(BME) |
| 898 | 一种强化型多模式多效吸收式蓄能释能装置及其运行方法 | China | WU, Wei(E2); DING, Zhixiong(E2) |
| 899 | Photonic Device Structure And Method of Manufacturing The Same, And Electro-optic Waveguide | United States | LUO, Jingdong(CHEM); CHIANG, Kin Seng(EE) |

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| 901 | Radiative Cooling Paint And Method for Covering A Surface with The Radiative Cooling Paint | China and others | LIN, Kaixin(E2); BAI, Shengxi(E2); CHAO, Luke Christopher(E2); CHEN, Siru(E2); HO, Tsz Chung(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2) |
| 902 | Hetero-stiffness Robotic Device | United States | WANG, Panbing(BME); SHEN, Yajing(BME); SHI, Jiahai(BMS); YANG, Xiong(BME) |
| 903 | A Zinc-Selenium Battery Compatible with Both Organic And Aqueous Electrolytes | United States | ZHI, Chunyi(MSE); LI, Xinliang(MSE); YANG, Qi(MSE); CHEN, Ze(MSE) |
| 906 | Human-Machine Interaction Device | United States | YU, Xinge(BME); LIU, Yiming(BME); YIU, Chun Ki(BME) |
| 908 | THERMOCHROMIC COMPOSITE MATERIAL, ITS PREPARATION AND USE | United States | LIU, Sai(E2); HO, Tsz Chung(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2) |
| 911 | Method for Converting Inanimate Object to Small-scale Robot On-demand | United States | YANG, Xiong(BME); SHEN, Yajing(BME) |
| 912 | An Artificial Zinc Fluoride Solid Electrolyte Interlayer Enabled Commercial-Level Aqueous Zn Metal Batteries | United States | MA, Longtao(MSE); ZHI, Chunyi(MSE) |
| 913 | A Composite Material And A Water Purifying System | United States | LI, Shengliang(CHEM); WAN, Yingpeng(CHEM); HUANG, Zhongming(CHEM); LEE, Chun Sing(CHEM) |
| 915 | Photo-activatable Compound, Its Preparation And Therapeutic Use | United States | LI, Shengliang(CHEM); XIAO, Yafang(CHEM); CHEN, Wencheng(CHEM); LEE, Chun Sing(CHEM) |
| 916 | A System And Method for Generating A Stained Image | United States and others | HUI, Tik Ho(PHY); MARASHLI, Mohamad Ali(PHY); PANI, Anupam(PHY); HILL, Fraser Ian(VDL); CHEN, Zhen(E2); LAW, Wing Lun(PHY); CHO, Chi Shing*; CHEUK, Wah*; LAU, Condon(PHY); YUAN, Yixuan* |
| 919 | Zn Powder/Sn Coated Cu Current Collector as Anode for Zn Battery | United States | ZHI, Chunyi(MSE); LI, Qing(MSE) |
| 923 | A Photonic Device And A Terahertz Signal Generator | United States | WANG, Cheng(E2); YANG, Jingwei(E2) |
| 924 | Fog-based Electrical Power Generator And Self-Powered System | United States | WANG, Zuankai(MNE); LING, Chen(MNE); YAO, Xiaoxue(MNE); WONG, Yat Hei(MNE); WANG, Steven(MNE) |
| 926 | 一种基于液态金属的柔性导电复合材料及其制备方法 | China | CAO, Chunyan(BMS); HUANG, Xin(BMS); YAO, Xi(BMS) |
| 927 | A System And Method for Processing A Stream of Images | United States | CHEN, Yi(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |
| 928 | Method of Manufacturing A Curved Ceramic Structure | United States | SHAN, Yao(MNE); YANG, Zhengbao(MNE) |
| 930 | L-RNA APTAMER | United States | JI, Danyang(CHEM); KWOK, Chun Kit(CHEM) |
| 937 | Human-interface Device And A Guiding Apparatus for A Visually Impaired User Including Such Human-interface Device | United States | ZHU, Kening(SM); NASSER, Arshad(SM) |
| 939 | An Electrical Circuit for Reducing Electromagnetic Noise or Interference in A Power Converter | United States | WANG, Kewei(E2); CHUNG, Shu Hung Henry(E2) |

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| 940 | ARTICULATED ACTUATED FINGER WITH SELF-LOCKING JOINTS | United States | SUN, Dong(BME); HU, Qiqiang(BME) |
| 941 | Anti-bacteria And Anti-viral, Smart Facemask | United States | YE, Ruquan(CHEM); HUANG, Libei(CHEM) |
| 942 | Methods And Compositions for Production of Green Mortar | United States | HAO, huali(CA); LAU, Denvi(CA) |
| 943 | Leaky-Wave Antenna | United States | CHAN, Chi Hou(EE); CHAN, Ka Fai(EE); WU, Gengbo(EE) |
| 944 | Method of Stable Lasso Model Structure Learning to Build Inferential Sensors | United States | QIN, S Joe(DS); LIU, Yiren(IDS) |
| 946 | System And Method for Adaptively Streaming Video | United States | KWONG, Tak Wu Sam(CS); WEI, Xuekai(CS); ZHOU, Mingliang(CS) |
| 947 | Video Streaming Method And System | United States | KWONG, Tak Wu Sam(CS); WEI, Xuekai(CS); ZHOU, Mingliang(CS) |
| 956 | A Method of Controlling A Drive System, A Controller for Controlling A Drive System, A Drive System And An Assembly Comprising A Controller, A Drive System And A Permanent Magenet Synchronous Motors | United States | LIU, Senyi(E2); LIU, Chunhua(E2) |
| 962 | Motor | United States | LIU, Chunhua(E2); SONG, Zaixin(E2); HUANG, Rundong(E2) |
| 964 | METHOD OF CONTROL OF A SYSTEM COMPRISING A SINGLE-PHASE THREE-LEVEL T TYPE QUASI-Z SOURCE INVERTER CONNECTED TO AN LC FILTER WHICH IS IN TURN CONNECTED TO A LOAD | United States | LIU, Yuxin(E2); LIU, Chunhua(E2) |
| 965 | 一种检测装置及检测方法 | China | AU-YEUNG, Allan Sung King(BMS); NG, Ka Ki(BMS); AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(BMS); YANG, Mengsu(BMS) |
| 966 | Omnidirectional Dielectric Resonator Antenna | United States | LIU, Xi-Yao(E2); LEUNG, Kwok Wa(E2); YANG, Nan* |
| 967 | Electrically Small, Planar, Horizontally Polarized Dual-band Omnidirectional Antenna | United States | ZHENG, Shao Yong*; PAN, Yong Mei*; HU, Pengfei(E2); LEUNG, Kwok Wa(E2) |
| 969 | Methods And Compositions for Synthesis of Two-photon Cleavable Phosphoramidite Molecules for Oligonucleotide Conjugation | United States | TAM, Dick Yan(CHEM); LIU, Ling Sum(CHEM); LO, Pik Kwan Peggy(CHEM) |
| 972 | Cathode Material | United States | ZHI, Chunyi(MSE); HUANG, Zhaodong(MSE); LI, Xinliang(MSE); CHEN, Ze(MSE) |
| 973 | Mxene-cladded Zinc Particles And An Electrode Thereof | United States | LI, Xinliang(MSE); YANG, Qi(MSE); HUANG, Zhaodong(MSE); ZHI, Chunyi(MSE) |
| 975 | A Method of Surface Chemical Functionalization for Developing of Functional Hydrophobic Surfaces | United States | XIAO, Yelan(CHEM); KO, Chi Chiu Vincent(CHEM) |
| 976 | PHOSPHORS BASED ON CARBENE METAL COMPLEX | United States | YOU, Caifa(MSE); CHI, Yun(MSE); YUAN, Yi(MSE) |

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| 979 | 纳米级垂直电极阵列、多通道纳米阵列电极及二者的制备方法 | China | DONG, Lixin(BME); ZHANG, Wenqi(BME) |
| 981 | 一种锂离子电池低温电解液及锂离子电池 | China | LUO, Dong(PHY); LIU, Qi(PHY) |
| 982 | Tri-frequency Multi-polarisation Omnidirectional Antenna | United States | LEUNG, Kwok Wa(EE); HU, Pengfei(EE) |
| 983 | An Iridium Complex And A Light Emitting Device Comprising The Same | United States | JIN, Jibiao(MSE); GAN, Lin(MSE); CHI, Yun(MSE) |
| 985 | Self-compensated Functional Photoacoustic Microscopy | United States | ZHU, Jingyi(BME); WANG, Lidai(BME) |
| 986 | Impact Energy Harvesters for Self-powered Wrist-worn Wearables | United States and others | YANG, Zhengbao(MNE); WANG, Biao(MNE) |
| 987 | Secure Web Framework | United States | DU, Yuefeng(CS); WANG, XinYu(CS); WANG, Cong(CS) |
| 989 | Automated System for High-Throughput Microinjection of Adherent Cells | United States | SUN, Dong(BME); CHEN, Shuxun(BME); PAN, Fei(BME); JIAO, Yang(BME) |
| 990 | A Multi-layer Particle-embedded Passive Radiative Cooling Paint | Hong Kong | TSO, Chi Yan(E2); CHEN, Siru(E2); LEE, Hau Him(E2); HO, Tsz Chung(E2); CHAO, Luke Christopher(E2); LIN, Kaixin(E2); DU, Yuwei(E2); ZENG, Yijun(MNE); ZHU, Yihao(E2) |
| 992 | Wearable Three-dimensional Auricular Multi-point Acquisition, Health Status Monitoring, And Bio-stimulation Device | United States | LI, Wen Jung(MNE); HUANG, Qingyun(MNE); CHAN, Ho Yin(MNE) |
| 993 | Platinum(IV) Complexes, Methods of Manufacture, Compositions Containing, and Methods of Use Thereof | United States and others | DENG, Zhiqin(CHEM); ZHU, Guangyu(CHEM) |
| 996 | Method And Systems for Genome Sequence Compression | United States | WANG, Shiqi(CS); SUN, Zhenhao(CS); WANG, Meng(CS); KWONG, Tak Wu Sam(CS) |
| 997 | A Signage Structure Monitoring System And A Signage Structure Monitoring Platform | Hong Kong | CHENG, Chi Yung(ACE); OR, Siu Hong(CA); FUNG, Wing Hong(CA) |
| 998 | A COMPACT MEMBRANE-BASED THERMOCHEMICAL ENERGY STORAGE SYSTEM | United States | ZHAI, Chong(E2); SUI, Zengguang(E2); SUI, Yunren(E2); WU, Wei(E2); DING, Zhixiong(E2) |
| 999 | A Compact Membrane-based Absorption Heat Pump | United States | DING, Zhixiong(E2); WU, Wei(E2); SUI, Yunren(E2); ZHAI, Chong(E2); SUI, Zengguang(E2) |
| 1000 | SUBSTRATES HAVING A WRINKLE PATTERN OF SINGLE-LAYER RHENIUM DISULFIDE NANOFKAKES AND METHODS FOR PRODUCING THE SAME | United States | LY, Thuc Hue(CHEM); HUANG, Lingli(CHEM); CHEN, Honglin(CHEM) |
| 1001 | Novel Compositional Complex Zr-based Bulk Metallic Glasses with Good Mechanical Properties And Thermal Stability | United States | HE, Quanfeng(MNE); YANG, Yong(MNE); ZHOU, Ziqing(MNE); ZHANG, Zhibo(MNE) |
| 1002 | Stretchable and Wearable Wireless 3-leads ECG Monitoring Apparatus | United States | LIU, Yiming(BME); YU, Xinge(BME); ZHOU, Jingkun(BME) |
| 1004 | A MOF-based membrane based on the post-modification of MOF and preparation method thereof | China | YAO, Xi(BMS); LYU, Dong(BMS) |

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| 1005 | Fast-track Negative Pressure Isolation System for Respiratory Infectious Disease Control | United States and others | DENG, Wei(MNE); WANG, Steven(MNE); LING, Chen(MNE); CHAN, Chak Keung(E2); WANG, Zuankai(MNE) |
| 1006 | High-Attenuation Wideband Active Common-Mode EMI Filter Section | United States | ZHANG, Kun(EE); CHUNG, Shu Hung Henry(EE) |
| 1007 | MILLIMETER-WAVE END-FIRE MAGNETO-ELECTRIC DIPOLE ANTENNA | United States | LI, Ao(EE); LUK, Kwai Man(EE) |
| 1009 | PRIME-NUMBER-BASED PARALLEL SOLVER FOR ENGINEERING DESIGN OPTIMIZATION PROBLEMS OF POLYNOMIAL FORMS WITH INTEGER VARIABLES | United States | WANG, Mingming(MS); nan; CHEN, Youhua Frank(MS); KUO, Way(IAS) |
| 1011 | METHODS FOR SYNTHESIZING METAL-CARBON COMPOSITE OF A CORE-SHELL STRUCTURE | United States | YANG, Yong(MNE); ZHANG, Jingyang(MNE); WANG, Tianyu(MNE); YU, Qing(MNE); PARK, Minhyuk(MNE) |
| 1014 | WIRELESS RECHARGEABLE AND PORTABLE ANTI-MICROBIAL RESPIRATOR | United States | YE, Ruquan(CHEM); WANG, Steven(MNE); DENG, Wei(MNE) |
| 1015 | Biosensing Device for Detecting Cancer | United States | LIU, Linlin(MSE); LI, Wing Kar(BMS); THAKUR, Abhimanyu(NS); LEE, Youngjin(NS); WU, Lawrence(MSE) |
| 1016 | SUBSTRATE INTEGRATED WAVEGUIDE-FED FABRY-PEROT CAVITY FILTERING WIDEBAND MILLIMETER WAVE ANTENNA | United States | CHAN, Chi Hou(EE); HU, Haotao(SKMW) |
| 1017 | 半胱氨酸强化的重组蜘蛛丝及其制备方法和应用 | China | HU, Jinlian(BME); ZHANG, Qi(BME) |
| 1018 | UNIDIRECTIONAL MOISTURIZING NANOFIBER FACIAL MASK SUBSTRATES WITH ASYMMETRIC WETTABILITY AND PREPARATION THEREOF | United States and others | HU, Jinlian(BME); SHI, Shuo(BME); GUO, Chunxia(BME); SI, Yifan(BME) |
| 1019 | System And Method for Measurement And Assessment of Depth of Anesthesia in A Subject Based on Electroencephalography | United States | AGADAGBA, Stephen Kugbere(EE); CHOWDHURY, Mehdi Hasan(EE); ELDALY, Abdelrahman B. M. (EE); CHEUNG, Chak Chung Ray(EE); CHAN, L H Leanne(EE) |
| 1020 | Method for Forming Piezoelectric Films on Surfaces of Arbitrary Morphologies | United States | YANG, Zhengbao(MNE); LIU, Shiyuan(MNE) |
| 1021 | System and Method for Updating, Modifying and Managing Engineering and Construction Contracts in a Blockchain Network | Hong Kong | KWOK, Ho Yin(CA); OR, Siu Hong(CA); FUNG, Wing Hong(CA) |
| 1023 | METHOD AND SYSTEM FOR MACHINE LEARNING AND DEEP LEARNING BASED ASSESSMENT OF STROKE | Hong Kong | LIU, Jundong(EE); WAN, Tsz Kin(BMS); WOO, Yat Ming Peter*; CHAN, Kei Hang Katie(BMS); HUANG, Ruixuan(EE) |
| 1026 | Cable Path Planning Method And Apparatus | United States | WANG, Xinyu(EE); TAHCHI, Elias*; WANG, Zengfu*; ZUKERMAN, Moshe(EE) |
| 1027 | 5V-class Flexible All-in-one Solid Lithium Ion Batteries | China | CHEN, Ze(MSE); CHEN, Ao(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE) |

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| 1029 | Underwater Vehicle with Front-rear Distributed Drive | United States | WANG, Panbing(BME); SHI, Jiahai(BMS); YANG, Xiong(BME); SHEN, Yajing(BME) |
| 1031 | A MACHINE LEARNING BASED METHOD OF SCREENING POTENTIAL DRUG CANDIDATE, AND A METHOD THEREOF | United States | KUMAR, Gajendra(NS); MA, Chi Him Eddie(NS) |
| 1032 | PERCEPTRON-BASED EMG PROCESSOR FOR NEUROPATHY AND MYOPATHY DIAGNOSIS | United States | HUNG, Siu Ying Patrick*; CHOWDHURY, Mehdi Hasan(EE); SANKA, Abdurrashid Ibrahim(EE); IRFAN, Muhammad(EE); CHEUNG, Chak Chung Ray(EE) |
| 1033 | MRI-BASED AUGMENTED REALITY ASSISTED REAL-TIME SURGERY SIMULATION AND NAVIGATION | United States | AHMED, Camroo(EE); WOO, Yat Ming Peter*; NDER, Sesugh Samuel(EE); CHAN, L H Leanne(EE); ZHU, Kening(SM) |
| 1034 | 3-D-Printed Wideband High-Gain Circularly Polarized Dielectric Resonator Antenna | United States | XIA, Zhen-Xing(EE); LEUNG, Kwok Wa(EE) |
| 1035 | Deep Learning-based Optimal Power Flow Solution with Applications to Operating Electrical Power Systems | United States | PAN, Xiang*; CHEN, Minghua(DS); HUANG, Wanjun(DS) |
| 1037 | An unsupervised neural network for image denoising | China | TIAN, TIAN(EE); YUAN, Yixuan* |
| 1040 | IN- SITU 4D PRINTING OF HIGH-TEMPERATURE MATERIALS | United States and others | LU, Jian(MNE); LIU, Guo(MNE) |
| 1041 | Direct 4D Printing Gradient Structure Ceramics | United States | LU, Jian(MNE); WAN, Lei(MNE); MAO, Zhengyi(MNE); CHEN, Zhou(MNE) |
| 1043 | Cable Network Regional Connectivity Planning Method And Apparatus | United States and others | WANG, Zengfu*; WANG, Tianjiao(EE); MORAN, Bill*; ZUKERMAN, Moshe(EE) |
| 1046 | WATER-SOLUBLE UNIDIRECTIONAL MOISTURE TRANSPORT TRADITIONAL CHINESE MEDICINE FACIAL MASK AND PREPARATION THEREOF | United States and others | HU, Jinlian(BME); SHI, Shuo(BME); GUO, Chunxia(BME); SI, Yifan(BME) |
| 1047 | Methods for Online Peak-Demand Reduction of Large-Load Users with Energy Storage Discharging | United States | QIN, S Joe(DS); MO, Yanfang(IDS); CHEN, Minghua(DS); LIN, Qiulin(DS) |
| 1048 | TATTOO-LIKE STRETCHABLE TRIBOELECTRIC NANOGENERATOR FOR ENERGY HARVESTING | United States | YU, Xinge(BME); LIU, Yiming(BME); WONG, Tsz Hung(BME) |
| 1049 | Image to Image Translation Method | United States | LIAO, Jing(CS); HUANG, Jialu(CS); KWONG, Tak Wu Sam(CS) |
| 1052 | Latent Vector AR Modeling and Feature Analysis of Data with Reduced Dynamic Dimensions | United States | QIN, S Joe(DS) |
| 1053 | Computerized Method of Composing A System for Performing A Task | United States | ZHU, Kening(SM); XU, Lantian(SM); CHEN, Taizhou(SM) |
| 1054 | Method And Monitoring Device Using The Same for Estimating Intrinsic Parameters of Encapsulated Capacitor | United States | CHUNG, Shu Hung Henry(EE); LEE, Wai Kwan(EE) |
| 1055 | Method and System for Predicting a Synergistic Effect | United States | YANG, Jiannan(DS); ZHANG, Qingpeng(DS); XU, Zhongzhi(DS) |
| 1058 | Pre-seeding Zn Anode for Secondary Batteries | United States | LI, Qing(MSE); ZHI, Chunyi(MSE) |

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| 1059 | TNA-BASED PROBE FOR DETECTING AND IMAGING A TARGET miRNA IN LIVING CELLS | United States | WANG, Fei(CHEM); LO, Pik Kwan Peggy(CHEM); LIU, Ling Sum(CHEM) |
| 1060 | 极性小分子电解液及其制备与应用·高电压水系二次电池及其组装方法 | China | LI, Xinliang(MSE); HUANG, Zhaodong(MSE); ZHI, Chunyi(MSE) |
| 1061 | Methods And Apparatus for Microagent Control | United States | LI, Dongfang(BME); XING, Liuxi(BME); SUN, Dong(BME) |
| 1062 | Electronic Ear-worn Device with Thermal Haptic Elements | United States | NASSER, Arshad(SM); ZHU, Kening(SM) |
| 1063 | Apparatus for Facilitating a Photovoltaic Device to Provide a Wireless Communication Channel | United States | GARAJ, Martin(EE); CHUNG, Shu Hung Henry(EE) |
| 1066 | Unsupervised Domain Adaptive Model for 3D Prostate Zonal Segmentation | United States | YUAN, Yixuan*; GUO, Xiaoqing(EE) |
| 1067 | Task Interaction Network for Prostate Cancer Diagnosis | United States | YUAN, Yixuan*; ZHU, Meilu(MNE) |
| 1068 | METHOD AND APPARATUS USING SEMI-SUPERVISED DEEP CONVOLUTION NEURAL NETWORK FOR CROP YIELD ESTIMATION IN INTELLIGENT AGRICULTURE | United States | YUAN, Yixuan*; MAI, Xiaochun(EE) |
| 1069 | Graph-based Prostate Diagnosis Network And Method for Using The Same | United States | YUAN, Yixuan*; CHEN, Zhen(EE) |
| 1071 | L-RNA APTAMERS AND METHODS OF IDENTIFYING THE SAME | United States | KWOK, Chun Kit(CHEM); JI, Danyang(CHEM) |
| 1073 | Method And Electronic Device for Recovering Data Using Adaptive Rank-one Matrix Completion | United States | WANG, Zhiyong(EE); LI, Xiaopeng(EE); Zoubir, Abdelhak M.*; SO, Hing Cheung(EE) |
| 1075 | Reconfigurable Single-inductor Multiport Converter | United States | TSE, Chi Kong(EE); LI, Xiaolu(EE) |
| 1077 | Multistream Fusion Encoder for Prostate Cancer Segmentation And Classification | United States | YUAN, Baohua(EE); CHIU, Bernard Chi Yuen(EE); JIANG, Mingjie(EE); CHO, Carmen C.M.* |
| 1078 | MICROFLUIDIC CHAMBER, MICROFLUIDIC DEVICE CONTAINING A WATER PURIFICATION SYSTEM, AND A WATER PURIFICATION METHOD | United States | CHEN, Chun Kwan(BME); KHOO, Bee Luan(BME) |
| 1079 | Flexible Sweat-Activated Graphene Coated Ni foam-based Mg-O2 Battery in Stretchable Microelectronics for Continuous Biomarkers Monitoring | United States | YU, Xinge(BME); LIU, Yiming(BME); HUANG, Xingcan(BME) |
| 1080 | SALT-ASSISTED PHASE TRANSFORMATION OF TRANSITION METAL DICHALCOGENIDES | United States and others | ZHANG, Hua(CHEM); LAI, Zhuangchai(CHEM) |
| 1081 | 基于两电子转移机制的有机锂碘电池及其制作方法与应用 | China | CHEN, Ze(MSE); HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE) |
| 1082 | 空间梯度分布的氟化合金涂层、锌金属负极及其制法、锌碘电池 | China | ZHI, Chunyi(MSE); LIANG, Guojin(MSE) |
| 1083 | A CONTROLLED HEATING RATE BAKING PROTOCOL FOR THE SYNTHESIS OF BISMUTH VANADATE THIN FILMS | United States | ZHANG, Ruiqin(PHY); RASOOL, Rafiqat UI(PHY) |

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| 1084 | Fingertip-Motion Sensing Device and Handwriting Recognition System Using the Same | United States | LIU, Yiming(BME); YU, Xinge(BME); ZHOU, Jingkun(BME) |
| 1085 | Method for Fabricating a Cryomicroneedle, and a Cryomicroneedle Fabricated According Thereto, and Methods of Use Therefor | United States and others | ZHENG, Mengjia(BME); XU, Chenjie(BME) |
| 1086 | 仿蜘蛛丝二级结构的赖氨酸基聚氨酯聚脲及其制备与应用 | China | SHI, Shuo(BME); SU, Yupei(BME); JIANG, Yuanzhang*; HU, Jinlian(BME) |
| 1087 | 一种可降解的聚乳酸基-聚多肽聚氨酯及其制备与应用 | China | HU, Jinlian(BME); JIANG, Yuanzhang*; SU, Yupei(BME); SHI, Shuo(BME) |
| 1088 | Wind Turbine Performance Determination And Control | United States | YANG, Luoxiao(DS); ZHANG, Zijun(DS) |
| 1090 | Methods for Detection of Silver Nanoparticles | United States | SUN, Anqi*; WANG, Wenxiong(E2) |
| 1091 | CORE-SHELL NANOPARTICLES, METHODS OF PRODUCING THE SAME, AND USES THEREOF FOR DETECTING EXTRACELLULAR POLYMERIC SUBSTANCES | United States | WANG, Wenxiong(E2); YAN, Neng(E2) |
| 1092 | HYDROGEL-BASED CELL ENCAPSULATION METHOD, A CELL OR CELL-ENCAPSULATING POLYMERIZED MICROGEL AND A SYSTEM THEREOF, AND KIT THEREOF | China and others | ZHOU, Xiaoyu(BMS); WANG, Yuan(BMS); HOU, Xuhua(BTC); YANG, Mengsu(BMS) |
| 1093 | A cell cryopreservation protective composition, system, method and application of the same | China | YANG, Mengsu(BMS); WANG, Yuan(BMS); ZHOU, Xiaoyu(BMS) |
| 1096 | SENSOR DEVICE, SYSTEM AND METHOD FOR DETERMINING RODENT BAIT CONSUMPTION | Hong Kong | CHUNG, Shu Hung Henry(EE); CHENG, Chun Sing(EE); CHAN, Sheung Long(EE) |
| 1097 | RAPID DETECTION OF ZINC PYRITHIONE BY SERS | United States | LU, Jian(MNE); SHEN, Junda(MNE); LI, Yangyang(MSE); ZHONG, Jing(MSE); OU, Weihui(MNE) |
| 1098 | ABSORPTION VACUUM DEHUMIDIFICATION SYSTEM AND METHOD USING THE SAME | United States | LEE, Chun Kwong(CA); FONG, Kwong Fai Square(CA) |
| 1099 | Medical Implant with Controllable Electro-mechanical Interactions at A Material/Bacteria Interface | United States | WANG, Guomin(PHY); TANG, Kaiwei(PHY); MENG, Zheyi*; CHU, Paul Kim Ho(PHY) |
| 1100 | Power Generating and Gait Assisting Footwear Article | United States | PAN, Qiqi(MNE); YANG, Zhengbao(MNE) |
| 1102 | Flexible Patterned Piezoceramic Composite and Manufacturing Method Thereof | United States | HONG, Ying(MNE); YANG, Zhengbao(MNE) |
| 1103 | A Reliability-Aware Resource Allocation Method in Disaggregated Data Centers | United States | WANG, Xinyu(EE); GUO, Chao(EE); ZUKERMAN, Moshe(EE) |
| 1105 | A CYTOMETER AND A METHOD OF CYTOMETRY | United States | LAM, Hiu Wai Raymond(BME); HUANG, Wei(BMS) |

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| 1106 | A SAMPLE PLATE FOR A MICROSCOPE, AN INTERFERENCE REFLECTIVE MICROSCOPE SYSTEM COMPRISING SUCH A SAMPLE PLATE AND A BRIGHTFIELD MICROSCOPE SYSTEM COMPRISING SUCH A SAMPLE PLATE | United States | LIU, Yi(BME); LAM, Hiu Wai Raymond(BME) |
| 1107 | SYSTEM AND METHOD FOR CHARGING BATTERIES | Hong Kong | CHUNG, Shu Hung Henry(EE); CHENG, Chun Sing(EE); LIU, Chun For(EE) |
| 1111 | OMNIDIRECTIONAL ANTENNA | United States | LEUNG, Kwok Wa(EE); HU, Pengfei(EE) |
| 1112 | BIFUNCTIONAL SEPARATOR, BATTERIES CONTAINING, AND METHOD OF MANUFACTURE THEREOF | United States | CHEN, Ze(MSE); HOU, Yue(MSE); ZHI, Chunyi(MSE) |
| 1113 | COMPACT WIDEBAND LOW-PROFILE DIELECTRIC RESONATOR ANTENNAS | United States | LEUNG, Kwok Wa(EE); KREMER, Hauke Ingolf(EE); LEE, Wai Ki(EE) |
| 1115 | FLEXIBLE SMELL GENERATING DEVICE AND METHODS FOR USE THEREOF | United States | SHI, Rui(BME); LIU, Yiming(BME); YIU, Chun Ki(BME); YU, Xinge(BME) |
| 1116 | A CARBON NANOWIRE, A FABRIC, A MANUFACTURING METHOD THEREFOR, AND AN ADDITIVE FOR A FABRIC | United States | WANG, Tianqi(E2); SHANG, Jin(E2); SUN, Mingzhe(E2) |
| 1117 | 便携式一氧化氮发生器及其使用方法和其在吸入一氧化氮治疗中的应用 | China | SUN, Mingzhe(E2); SHANG, Jin(E2); WANG, Tianqi(E2) |
| 1118 | METHODS FOR RECYCLING USED ENGINE OIL | United States | LAU, Denvi(CA); CHEN, Huaguo(CA) |
| 1120 | METHODS AND SYSTEMS FOR MEASURING MULTIPLEX RNA EXPRESSION | United States and others | LU, Chenyu(BMS); ZHENG, Zongli(BMS) |
| 1122 | SELF-CLEANING FABRIC AND ARTICLE | United States | WANG, Tianqi(E2); SHANG, Jin(E2); SUN, Mingzhe(E2) |
| 1123 | SYSTEM AND METHOD FOR TISSUE-WIDE SINGLE CELL POST-TRANSCRIPTIONAL PROFILING OF MULTIPLE MOLECULAR TARGETS | United States | Ji, Xianglin(BME); SHI, Peng(BME) |
| 1125 | HYDRODYNAMIC CELL PAIRING AND FUSION SYSTEM AND RELATED METHODS | United States | LAM, Hiu Wai Raymond(BME); LIU, Lelin(BME) |
| 1126 | METHODS AND KITS FOR DETECTING VIRUS | United States | Ji, Xianglin(BME); ZHAO, Xi(BME); WANG, Zixun(BME); SHI, Peng(BME) |
| 1127 | MEMBRANE-BASED DESORPTION COOLING METHOD FOR PASSIVE THERMAL MANAGEMENT | United States | SUI, Yunren(E2); DING, Zhixiong(E2); WU, Wei(E2); ZHAI, Chong(E2); SUI, Zengguang(E2); LIN, Haosheng(E2); LI, Fuxiang(E2) |
| 1128 | MICRO-ELECTROPORATION BASED DRUG DELIVERY SYSTEM, METHODS FOR USE AND FABRICATION THEREOF | United States | SHI, Peng(BME); QU, Jin(BME); WANG, Yuan(BME); HE, Xingdao(BME); XIE, Kai(BME); DUAN, Suling(BME) |
| 1129 | Method of Treating Breast Cancer in a Subject by Inhibiting NIP7 and a Pharmaceutical Composition Comprising a NIP7 Inhibitor | United States | TIAN, Ye(BMS); CHIN, Rebecca Y M(BMS) |

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| 1130 | Method of Treating Breast Cancer in a Subject by Inhibiting TUBB2B | United States | CHIN, Rebecca Y M(BMS); HU, Jianyang(BMS); HE, Qingling(BMS) |
| 1131 | GRADIENT METALLIC STRUCTURE AND SURFACE TREATMENT TO PRODUCE A GRADIENT METALLIC STRUCTURE | United States | SHEN, Junda(MNE); ZHOU, Binbin(CityUSRI); LI, Yangyang(MSE); LU, Jian(MNE) |
| 1132 | ASSISTIVE SYSTEM FOR THE VISUALLY-IMPAIRED | Hong Kong | LO, Wing Cheong(MA); KONG, Ka Wai(MNE); CHAN, Hiu Ling(BME) |
| 1134 | BILATERAL VIBROTACTILE ACTUATOR | United States | LIU, Yiming(BME); YU, Xinge(BME); PARK, Wooyoung(BME) |
| 1135 | DRUG COMPOSITION, METHOD FOR TREATING INFECTION, DISINFECTING COMPOSITION, AND DRUG ADJUVANT | United States | CHEN, Sheng(PH); XU, Chen(PH) |
| 1137 | Close-loop hydrogel systems for electrophysiology controlled of pharmaceutical intervention | United States | SHI, Peng(BME); QU, Jin(BME); XIE, Kai(BME) |
| 1138 | Multi-functional Hydrogel materials for electrical recording, drug encapsulation, and controlled drug release | United States | XIE, Kai(BME); QU, Jin(BME); SHI, Peng(BME) |
| 1139 | ULTRA-FLAT AND LOW-FRICTION METALLIC GLASS FILM AND A METHOD FOR PREPARING THE SAME | United States | BAO, Yan(MNE); GU, Jialun(MNE); LU, Jian(MNE) |
| 1140 | OPTOELECTRONIC SYSTEM AND PHOTODETECTOR FOR OPTOELECTRONIC SYSTEM | United States | GAO, Zhan(BME); YU, Xinge(BME) |
| 1141 | STRUCTURE FOR A MODULAR BUILDING UNIT, MODULAR BUILDING UNIT, AND BUILDING | Hong Kong | LIM, C W(CA); OR, Siu Hong(CA); CHEUNG, Yik Ming(ACE); Zhao, Shi Hui*; NG, Kwai Fung*; FUNG, Wing Hong* |
| 1142 | TRI-BAND DUAL-POLARIZED OMNIDIRECTIONAL ANTENNA | United States | HU, Pengfei(EE); LEUNG, Kwok Wa(EE) |
| 1143 | ANIMAL MODEL, METHODS FOR MAKING AND USING THEREOF, AND COMPOSITION FOR TREATING ATAXIA | United States | YANG, Sungchil(NS); WONG, Eric Hong Jian(NS) |
| 1144 | PATCH ANTENNA | United States | SUN, Jie(EE); LUK, Kwai Man(EE) |
| 1145 | Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease Prognosis | United States | LI, Wei(BME); KHOO, Bee Luan(BME); HUA, Haojun(BME) |
| 1146 | 一种锂离子电池低温电解液及其制备方法 | China | FANG, Yongjin(PHY); LIU, Qi(PHY) |
| 1148 | A METHOD, DEVICE AND STORAGE MEDIA FOR MULTI-AGENT MOTION PREDICTION | United States | ZHOU, Zikang(CS); WANG, Jianping(CS) |
| 1150 | TRIBOELECTRIC GENERATOR, BIOMECHANICAL ENERGY HARVESTER, AND METHOD OF MAKING TRIBOELECTRIC MATERIAL | United States | WANG, Lingyun(MNE); DAOUD, Walid(MNE) |
| 1151 | 单向导湿静电纺丝纤维膜及其制备方法 | China | HU, Jinlian(BME); SHI, Shuo(BME); SI, Yifan(BME) |
| 1153 | ECOLOGICALLY ENHANCED ECO-TILE AND METHOD OF PRODUCTION | United States and others | LEUNG, Mei Yee Kenneth(CHEM); POON, Chi-sun*; ASTUDILLO PLACENCIA, Juan Carlos(SKMP) |

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| 1156 | Guided-Wave-Driven Metasurface Antennas | United States | ZHU, Shuyan(EE); WU, Gengbo(EE); PANG, Stella W.(EE); CHAN, Chi Hou(EE) |
| 1162 | 基于机器学习的失真图像处理方法、装置及计算机设备 | China | KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS); ZHANG, Pingping(CS) |
| 1163 | PREPARATION OF SINGLE-CRYSTAL LAYERED CATHODE MATERIALS FOR LITHIUM- AND SODIUM-ION BATTERIES | United States | LIU, Qi(PHY); ZHU, He(PHY) |
| 1166 | METHOD AND ELECTRONIC DEVICE FOR RECOVERING DATA USING BI-BRANCH NEURAL NETWORK | United States | WANG, Maolin(DS); LI, Xiaopeng(EE); SO, Hing Cheung(EE) |
| 1167 | 计时器及其显示面板、显示面板的制造方法 | China | CHEN, Mu Ku(EE); LIU, Xiaoyuan(SKMW); TSAI, Din-ping(EE) |
| 1168 | 艾里光束产生装置及焦点位置的调控方法、超构表面系统 | China | TSAI, Din-ping(EE); ZHANG, Jingcheng(EE); CHEN, Mu Ku(EE) |
| 1169 | METHOD FOR SYNTHESIZING AMORPHOUS Pd-BASED NANOPARTICLES | United States and others | ZHANG, Hua(CHEM); GE, Yiyao(CHEM) |
| 1170 | DEEP LEARNING BASED OBJECT IDENTIFICATION AND/OR CLASSIFICATION | United States and others | LAM, Ho Sang(EE); TSANG, Wai Ming Peter(EE) |
| 1171 | Method of Flocculation Using A Metal-Organic-Framework | United States | WANG, Wenxiong(E2); LI, Yiling* |
| 1172 | 一种高维量子随机数阵列产生系统 | China | FAN, Yubin(EE); CHEN, Mu Ku(EE); TSAI, Din-ping(EE) |
| 1173 | A METHOD FOR RECOVERING METAL FROM WASTE PRINTED CIRCUIT BOARD AND A CELL THEREOF | United States | LAM, Chun Ho Jason(E2) |
| 1174 | DUAL-POLARIZED ANTENNA AND DUAL-POLARIZED ARRAY ANTENNA | United States | WANG, Manting(SKMW); CHAN, Chi Hou(EE) |
| 1178 | DETERMINATION OF PATH ARRANGEMENT OF INFRASTRUCTURE LINK NETWORK WITH TRUNK-AND-BRANCH TOPOLOGY | United States and others | WANG, Tianjiao(EE); GUO, Chao(EE); WANG, Zengfu*; WANG, Xinyu(EE); MORAN, Bill*; ZUKERMAN, Moshe(EE) |
| 1184 | PIEZOELECTRIC BIO-ORGANIC FILMS AND FABRICATION METHOD THEREOF | United States | YANG, Zhengbao(MNE); ZHANG, Zhuomin(MNE); LI, Xuemu(MNE) |
| 1185 | Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease | China | HUA, Haojun(BME); LI, Wei(BME); KHOO, Bee Luan(BME) |
| 1186 | ANTENNA | United States | LEUNG, Kwok Wa(EE); XIA, Zhen-Xing(EE); GU, Pengfei* |
| 1187 | Method and System for Generating a 3D Image of a Body Shape | United States | LIU, Hongyu(MA); HO, Wing Cheong Daniel(MA) |
| 1188 | SIDEBAND-FREE SPACE-TIME-CODING METASURFACE ANTENNAS | United States | DAI, Junyan(SKMW); WU, Gengbo(EE); CHAN, Chi Hou(EE) |
| 1189 | FEDERATED RECOMMENDATION SYSTEM, DEVICE, AND METHOD | United States | SONG, Linqi(CS); LUO, Sichun(CS) |
| 1190 | RECOMMENDER SYSTEM AND ITS OPERATION | United States | SONG, Linqi(CS); LUO, Sichun(CS) |

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| 1191 | Mobile AR Prototyping for Proxemic and Gestural Interactions with Real-world IoT Enhanced Spaces | United States | FU, Hongbo(SM); YE, Hui(SM) |
| 1192 | BRAIN DISEASE THERAPY ENHANCING INHIBITION OF GABAERGIC NEURONS | United States | HE, Ling(NS); REN, Junming*; YANG, Yujie*; HE, Jufang(NS) |
| 1193 | RECOMBINANT AAV VECTORS AND GENE THERAPIES FOR TREATING BRAIN DISEASES | United States | CHEN, Xi(NS); LAU, Siu Hin(NS); HE, Ling(NS); YOON, Ezra Ginn(NS); SHI, Heng(NS); ZHANG, Ge(NS); HE, Jufang(NS); YANG, Yujie* |
| 1194 | SINGLE-ATOMICALLY DISPERSED METAL / UNCONVENTIONAL-PHASE TRANSITION-METAL DICHALCOGENIDE NANOSHEET HYBRIDS AND METHODS OF PREPARATION AND USE THEREOF | United States | ZHANG, Hua(CHEM); SHI, Zhenyu(CHEM); RUAN, Xinyang(CHEM); YANG, Qi(CHEM) |
| 1195 | 非线性超构透镜及其在产生真空紫外光中的应用与真空紫外激光器 | China | YAO, Jin(EE); CHEN, Mu Ku(EE); TSAI, Din-ping(EE) |
| 1196 | 基于超构器件的照明系统及其制造方法 | China | TSAI, Din-ping(EE); CHEN, Mu Ku(EE); SUN, Linshan(EE) |
| 1197 | METHOD OF CONTROLLING THE OUTPUT OF AN INDUSTRIAL PROCESS | United States | LIU, Yiren(IDS); QIN, S Joe(DS) |
| 1199 | TWO-DIMENSIONAL SCALABLE RADIATOR ARRAY | United States | CHAN, Chi Hou(EE); GAO, Liang(EE) |
| 1200 | Leg-based Wearable System with Propeller-based Force Feedback for Walking in Fluids in VR | United States | KE, Pingchuan(SM); GAO, Haichen(SM); CAI, Shaoyu(SM); ZHU, Kening(SM) |
| 1202 | HIGH-EFFICIENCY QUANTITATIVE CONTROL OF MITOCHONDRIAL TRANSFER BASED ON DROPLET MICROFLUIDICS | United States | SUN, Dong(BME); SUN, Jiayu(BMS) |
| 1204 | Exploiting state-coupling, disturbance, and nonlinearities for energy-saving robust control of suspension systems | United States | ZHANG, Menghua*; JING, Xingjian(MNE) |
| 1205 | RADIATOR FOR TERAHERTZ ELECTROMAGNETIC RADIATION | United States | CHAN, Chi Hou(EE); GAO, Liang(EE) |
| 1209 | ELECTROCATALYST HAVING QUASI-TWO-DIMENSIONAL METAL NANOSHEET HAVING TURING STRUCTURE MORPHOLOGY | United States | LU, Jian(MNE); LI, Lanxi(MSE); GU, Jialun(MNE) |
| 1210 | 逆向流型的双层同心圆管的热交换器 | China | PAN, Chin(MNE); JIANG, Xingchi(MNE) |
| 1211 | METHODS OF THE ULTRA-CLEAN TRANSFER OF TWO-DIMENSIONAL MATERIALS | United States | LY, Thuc Hue(CHEM); LIU, Haijun(CHEM) |
| 1213 | ALLOY AND FABRICATION THEREOF | United States | WANG, Hang(MNE); YANG, Yong(MNE) |
| 1214 | METHOD OF ALTERING DEGREE OF CURVATURE OF A MOLECULAR CATALYST FOR HIGHERCATALYTIC ACTIVITY | United States | SU, Jianjun(CHEM); YE, Ruquan(CHEM) |
| 1215 | GENERATION OF THREE DIMENSIONAL GEOLOGICAL MODEL OF GEOGRAPHIC SITE | United States and others | WANG, Yu(CA); SHI, Chao(CA) |

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| 1216 | OPTICAL PRINTED CIRCUIT BOARD AND ITS FABRICATING METHOD | United States | CHAN, Hau Ping Andy(EE); JIN, Wei(EE); LOR, Kar Pong(EE); CHIANG, Kin Seng(EE) |
| 1217 | 一种基于水凝胶电解质的可拉伸镁空气电池及完全可拉伸的自适应伤口敷料系统 | China | HUANG, Xingcan(BME); LIU, Yiming(BME); YU, Xinge(BME) |
| 1219 | RADIATIVE COOLING INTERFACE FOR WEARABLE ELECTRONIC DEVICE | United States and others | YU, Xinge(BME); LEI, Dangyuan(MSE); LI, Jiyu(BME); FU, Yang(E2) |
| 1221 | ELECTROSTIMULATION BASED DRUG DELIVERY SYSTEM AND METHOD FOR USING THEREOF | United States | YU, Xinge(BME); XU, Chenjie(BME); HUANG, Ya(BME) |
| 1230 | 使用基于静态随机存取存储器的存储器内计算来进行非线性函数逼近的方法和电子设备 | China | YANG, Junyi(EE); BASU, Arindam(EE) |
| 1232 | CONFINED MIGRATION MICROFLUIDIC DEVICE FOR CELL CULTURE AND DRUG SCREENING | United States | ZHOU, Zhihang(BMS); SI, Tongxu(BMS); YANG, Zihan(BMS); ZHOU, Zhengdong(BMS); YANG, Mengsu(BMS) |
| 1233 | SOLDER ALLOY COMPOSITION, ITS PREPARATION METHOD AND USES IN ROOM-TEMPERATURE RAPID SOLID-STATE SOLDERING | United States | TU, King Ning(MSE); nan |
| 1234 | MATERIALS AND METHOD FOR TRAPPING LEAD LEAKAGE IN PEROVSKITE SOLAR CELLS | United States | LI, Zhen(CHEM); JEN, Alex Kwan Yue(MSE); ZHU, Zonglong(CHEM) |
| 1235 | A PROCESSOR FOR A CRYPTOSYSTEM | United States | MAO, Gaoyu(EE); LI, Guangyan(EE); LAM, Hiu Fung(EE); CHEUNG, Chak Chung Ray(EE) |
| 1238 | ANTENNA | United States | YANG, Chen(SKMW); LU, Kai*; LEUNG, Kwok Wa(EE) |
| 1240 | COATING COMPOSITION, ITS PREPARATION AND USE IN REDUCING HEAT GAIN | United States | MA, Xue(MSE); FU, Yang(E2); LEI, Dangyuan(MSE) |
| 1241 | HIGH PHASE-PURITY GROWTH OF 1T'-TRANSITION METAL DICHALCOGENIDE MONOLAYERS | United States | ZHAI, Li(CHEM); LI, Zijian(CHEM); ZHANG, Hua(CHEM) |
| 1245 | A novel medical compound for carbapenem-resistant Klebsiella pneumoniae infection | United States and others | CHEN, Sheng(PH); NI, Hongyuhang(PH); CHAN, Kwan Wai(PH) |
| 1246 | SYSTEM AND METHOD FOR PHOTOACOUSTIC IMAGING AND ULTRASOUND IMAGING | United States | WANG, Lidai(BME); ZHANG, Yachao(BME) |
| 1249 | 原子能量和原子受力与材料的性质、ORR催化反应活性及弹性常数的预测方法和系统 | China | ZHANG, Jun(MNE); ZHAO, Shijun(MNE) |
| 1250 | 超透镜制备方法、制备装置及制造方法、结构及制备方法 | China | SUN, Hui(CityUSRI); JIA, Boliang(MNE); LI, Wen Jung(MNE); ZHANG, Guanglie(MNE) |
| 1252 | HANDHELD DEVICE FOR PHOTOACOUSTIC MICROSCOPY AND RELATED PHOTOACOUSTIC MICROSCOPY SYSTEM | United States and others | WANG, Lidai(BME); CHEN, Jiangbo(BME) |

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| 1257 | FAR-UVC LIGHT SOURCE WITH AN INTERNAL DIELECTRIC COATING FILTER ARRANGED ON THE INTERIOR SIDE OF ELECTRODE | United States and others | LEE, Wai Ki(EE); LEUNG, Kwok Wa(EE) |
| 1259 | DIRECT FORMATION OF ORIGAMI 3D GRAPHENE ON SUBSTRATES | United States | LIU, Haijun(CHEM); THI, Quoc Huy(CHEM); LY, Thuc Hue(CHEM) |
| 1262 | SARS-CoV-2 Rapid Detection Device | United States and others | YU, Xinge(BME); ZHOU, Jingkun(BME); LI, Hu(BME) |
| 1264 | Environment-Friendly Tin Perovskite Solar Cells and Methods for Preparing the Same | United States | WU, Xin(CHEM); ZHU, Zonglong(CHEM); LI, Bo(CHEM) |
| 1265 | Hydrated hydrogen-bonded ionic co-crystals for solid-state electrolyte with grain boundary based fast ion transport pathways | China | HONG, Hu(MSE); ZHI, Chunyi(MSE) |
| 1266 | PHASED ARRAY ANTENNA AND ANTENNA FOR PHASED ARRAY ANTENNA | United States and others | LEUNG, Kwok Wa(EE); LU, Kai*; SU, Zhili(EE) |
| 1267 | PATTERN RECONFIGURABLE ANTENNA | United States and others | LIU, Xi-Yao(EE); LEUNG, Kwok Wa(EE); YANG, Nan* |
| 1268 | HORN ANTENNA AND LENS FOR HORN ANTENNA | United States and others | LEUNG, Kwok Wa(EE); LU, Kai(EE); ZHANG, Zhiyi(EE) |
| 1269 | AN INSTANT UNDERWATER BIO-ADHESIVE CONTAINING CATECHOL MOIETIES AND WATER-RESISTANT CHOLESTEROL | United States and others | WANG, Dongan(BME); TAO, Chao(BME); JIN, Min(BME) |
| 1270 | SCALABLE CROSS-MODALITY IMAGE COMPRESSION | United States and others | WANG, Shiqi(CS); ZHANG, Pingping(CS); KWONG, Tak Wu Sam(CS) |
| 1271 | COVALENT ORGANIC FRAMEWORK AND ENERGY STORAGE DEVICE | United States and others | LEE, Chun Sing(CHEM); WANG, Chen Chen(CHEM); XU, Shen(MSE); ZHANG, Qichun(MSE) |
| 1272 | Sample-in-result-out closed microfluidic module for nucleic acid molecular POCT detection | United States and others | GUNAWAN, Renardi(BMS); AYELE, Bereket Workalemahu(BMS); YANG, Mengsu(BMS) |
| 1273 | SEAT SUSPENSION UTILIZING NONLINEAR STIFFNESS DESIGN | United States and others | JING, Xingjian(MNE) |
| 1275 | IMAGING SYSTEM AND DEPTH DETECTION SYSTEM | United States and others | TSAI, Din-ping(EE); LIU, Xiaoyuan(SKMW); CHEN, Mu Ku(EE) |
| 1276 | PROCESSING AND ENCODING SCREEN CONTENT VIDEO | United States and others | WANG, Shiqi(CS); CHEN, Yi(CS); KWONG, Tak Wu Sam(CS) |
| 1278 | METHOD FOR THE PRODUCTION OF METAL-ORGANIC FRAMEWORK COATED LIGHT EMITTED DIODE | United States | MAN, Ping(CHEM); LY, Thuc Hue(CHEM); LEUNG, Ka Ho(CHEM) |
| 1279 | METHODS FOR IMAGING NOSE-TO-BRAIN DRUG DELIVERY | United States | CHAN, Wai Yan Kannie(BME); HUANG, Jianpan(BME); LAW, Lok Hin(BME) |
| 1281 | 复合改性的钴酸锂正极材料及其制备方法与应用和正极极片、锂电池 | China | REN, Jincan(PHY); LIU, Qi(PHY) |
| 1282 | 表面复合改性的三元正极材料及其制备方法、正极极片和锂电池 | China | LIU, Qi(PHY); REN, Jincan(PHY) |
| 1283 | 一种掺杂改性的富钠正极材料及其制备和正极极片、钠离子电池 | China | HUANG, Yalan(PHY); LIU, Qi(PHY) |

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| 1284 | USE OF HISTAMINE ANTAGONISTS AND GLUCOCORTICOID FOR TREATING AND PREVENTING NEURODEGENERATIVE DISEASES | United States | XU, Yijun(NS); MA, Chi Him Eddie(NS) |
| 1285 | MICROFLUIDIC-BASED MODULAR SWEAT | China and others | LIU, Yuanchao(PHY); LAU, Condon(PHY); ZHOU, Binbin(CityUSRI) |
| 1286 | Convolution and Transformer Based Compressive Sensing | United States and others | YE, Dongjie(CS); NI, Zhangkai(CS); KWONG, Tak Wu Sam(CS) |
| 1288 | RADIATION-ACTIVATABLE PLATINUM COMPLEX, ITS PREPARATION AND THERAPEUTIC USE | United States and others | LIU, Gongyuan(CHEM); ZHU, Guangyu(CHEM) |
| 1289 | SIGNAL MODULATION CIRCUIT FOR SOLID STATE ELECTRONIC DEVICE AND CIRCUIT | United States and others | TANG, Ho Tin(EE); CHUNG, Shu Hung Henry(EE) |
| 1290 | VERSATILE ANTI-AMBIPOLAR PHOTOTRANSISTORS BASED ON MIXED-DIMENSIONAL HETEROJUNCTIONS | United States | HO, Johnny Chung Yin(MSE); WANG, Weijun(MSE); MENG, You(MSE); WANG, Wei(MSE) |
| 1291 | HIGHLY-EFFICIENT FULL VAN DER WAALS 1D p-Te/2D n-Bi2O2Se | United States | HO, Johnny Chung Yin(MSE); WANG, Weijun(MSE); MENG, You(MSE); WANG, Wei(MSE) |
| 1292 | MULTI-DEGREE VIBRATION ISOLATION UNIT | United States | JING, Xingjian(MNE) |
| 1293 | MULTI-DEGREE ANTI-VIBRATION UNIT | United States | JING, Xingjian(MNE) |
| 1294 | VAPOR DEPOSITION OF TELLURIUM NANOMESH ELECTRONICS ON ARBITRARY SURFACES AT LOW TEMPERATURE | United States and others | HO, Johnny Chung Yin(MSE); WANG, Wei(MSE); MENG, You(MSE); WANG, Weijun(MSE) |
| 1295 | WIDEBAND HIGH-GAIN OMNIDIRECTIONAL BICONICAL ANTENNA FOR MILLIMETER-WAVE | United States and others | ZHANG, Zhiyi(EE); LU, Kai*; LEUNG, Kwok Wa(EE) |
| 1298 | SYSTEM AND METHOD FOR DETERMINING AN OPTIMAL SUBMARINE PATH FOR AN INFRASTRUCTURE LINK IN TWO LOCATIONS OF A TARGET REGION | United States | ZUKERMAN, Moshe(EE); WANG, Tianjiao(EE); WANG, Zengfu*; WANG, Xinyu(EE) |
| 1299 | A SERVER AND A RESOURCE SCHEDULING METHOD FOR USE IN A SERVER | United States and others | ZUKERMAN, Moshe(EE); WANG, Tianjiao(EE); GUO, Chao(EE) |
| 1300 | Mutation-Independent Gene Knock-In Therapy Targeting 5' UTR | United States and others | HOANG, Anc Duc(BMS); LIAO, Baoshan(BMS); XIONG, Wenjun(BMS) |
| 1302 | A CuWO4 Hollow Nanosphere and Methods of Making Thereof | United States | CHEN, Dong(MSE); ZHANG, Shaoce(MSE); QUAN, Quan(MSE); BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE) |
| 1303 | 一种稳定剂、聚合物、液态金属/聚合物复合材料及其制备方法 | China | YAO, Xi(BMS); CAO, Chunyan(BMS); AI, Liqing(BMS) |
| 1304 | GOLD-COPPER ALLOY NANOSTRUCTURE AND METHOD FOR SYNTHESIZING THE SAME | United States and others | ZHANG, An(CHEM); ZHOU, Xichen(CHEM); ZHANG, Hua(CHEM) |
| 1305 | SYSTEM AND METHOD FOR FACILITATING MACHINE-LEARNING BASED MEDIA COMPRESSION | United States and others | WANG, Shiqi(CS); LIN, Rongqun(CS); KWONG, Tak Wu Sam(CS) |

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| 1306 | BIOSENSING SYSTEM AND METHOD FOR IN-SITU DETERMINATION OF METASTASIS IN A SAMPLE | United States | ZHANG, Jing(BME); FU, Yatian(BME); LI, Wei(BME); KHOO, Bee Luan(BME) |
| 1307 | CATALYST FOR SOLAR-DRIVEN ELECTROCATALYTIC OVERALL WATER SPLITTING AND METHODS OF MAKING AND USING THEREOF | United States | HO, Johnny Chung Yin(MSE); QUAN, Quan(MSE); ZHANG, Yuxuan(MSE); WANG, Wei(MSE) |
| 1308 | A PROTOCOL FOR THE SYNTHESIS OF BISMUTH VANADATE DOUBLE-LAYER HOMOJUNCTION WITHOUT HETEROATOMS AS PHOTOELECTRODE | United States | WANG, Haipeng(PHY); ZHANG, Ruiqin(PHY) |
| 1309 | HETEROSTRUCTURED ANTIMICROBIAL STAINLESS STEEL AND METHOD FOR SYNTHESIZING | United States and others | HUANG, Jacob Chih-Ching(IAS); ROMERO RESENDIZ, Liliana(MSE); ZHU, Yuntian(MSE); YANG, Tao(MSE) |
| 1310 | THIN FILM BASED STRUCTURE, RELATED FLEXIBLE ELECTRONIC DEVICE AND THEIR METHOD OF MAKING | United States | YANG, Zhengbao(MNE); LIU, Shiyuan(MNE) |
| 1313 | ARTIFICIAL VISUAL SYSTEMS WITH TUNABLE PHOTOCONDUCTIVITY BASED ON ORGANIC MOLECULE-NANOWIRE HETEROJUNCTIONS | United States and others | HO, Johnny Chung Yin(MSE); WANG, Wei(MSE); MENG, You(MSE); XIE, Pengshan(MSE) |
| 1314 | An approach for developing soft robots using an inverse origami design model | United States | HU, Qiqiang(BME); SUN, Dong(BME) |
| 1315 | METHOD AND ELECTRONIC DEVICE FOR PERFORMING ROBUST LOW-RANK MATRIX RECOVERY VIA HYBRID ORDINARY-WELSCH FUNCTION | United States and others | Zoubir, Abdelhak M.*; SO, Hing Cheung(EE); WANG, Zhiyong(EE) |
| 1316 | Acoustic-Based Face Anti-Spoofing System and Method | United States | KONG, Chenqi(EE); WANG, Shiqi(CS); LI, Haoliang(EE); ZHENG, Kexin(CS) |
| 1318 | THERMOELECTRIC DEVICE, THERMOELECTRIC UNIT FOR THERMOELECTRIC DEVICE, AND ITS METHOD OF MAKING | United States and others | KARTHIKEYAN, Vaithinathan(MSE); SURJADI, James Utama(MNE); LU, Yang(MNE); VELLAISAMY, A. L. Roy(MSE) |
| 1320 | CLOSED-LOOP NEUROSTIMULATION SYSTEM AND METHOD | United States | MA, Chi Him Eddie(NS); KUMAR, Gajendra(NS); CHU, Yen Yen Vivian(NS) |
| 1322 | ELECTROMAGNETIC DEVICES, ELECTROMAGNETIC ACTUATION SYSTEMS, AND METHODS THEREOF FOR GRADIENT ENHANCEMENT | United States | SUN, Dong(BME); HUO, Yingxin(BME); LAM, Wah Shing(BME) |
| 1324 | PREDICTION OF INDOOR BIOAEROSOL CONCENTRATIONS FROM INDOOR AIR QUALITY SENSOR DATA BY ARTIFICIAL INTELLIGENCE MODELS | United States and others | MIAO, Yanhao(E2); LEE, Yik Yeung(E2); CHAU, Lik Tak Ricky(E2); LEE, Patrick Kwan Hon(E2) |
| 1325 | 一种主动式悬架系统控制方法及装置 | China | JING, Xingjian(MNE); ZHANG, Menguha(MNE) |
| 1327 | Weakly-Supervised 3D Medical Image Segmentation using Geometric Prior and Contrastive Similarity | United States | XU, Yan*; DONG, Qihua(CS); DU, Hao(CS); LIAO, Jing(CS) |

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| 1329 | YOLK-SHELL NANOSTRUCTURE AND METHOD OF FABRICATING THE SAME | United States | BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE) |
| 1330 | Catalyst Channels with Anisotropic Structures by 3-D Printing | United States | BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE) |
| 1332 | METASURFACE STRUCTURE AND RELATED ARTICLE AND METHOD | United States | WANG, Zhuochao(MSE); FAN, Yulong(MSE); LIAO, Yuan(MSE); LEI, Dangyuan(MSE) |
| 1333 | ONE-POT PATHOGEN DETECTION SYSTEM AND METHOD FOR REAL-TIME LATERAL FLOW ASSAY | United States and others | YANG, Mengsu(BMS); AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(BMS); WU, Wanqing(BMS) |
| 1335 | COPPER FILTER WITH FAST VIRUS KILLING ABILITY | United States and others | CHEN, Chang(MSE); TU, King Ning(MSE); nan; HENG, Yiyuan(MSE); CHIN, Wing Hong Alex*; POON, Lit Man Leo*; QU, Jin(BME) |
| 1337 | COMPACT AND BROADBAND DOHERTY POWER AMPLIFIER | United States | Zhou, Xinyu*; ZHOU, Liheng*; CHAN, Wing Shing(EE) |
| 1339 | ANTENNA AND METASURFACE STRUCTURE FOR ANTENNA | United States and others | YANG, Chenfeng(EE); WU, Gengbo(EE); CHAN, Ka Fai(EE); CHAN, Chi Hou(EE) |
| 1341 | METHODS OF DETECTING CONGENITAL HEART DISEASE | United States | LI, Mengyao(CS); ZHANG, Wenqian(CS); LI, Shuaicheng(CS) |
| 1345 | 3D/4D additive-subtractive manufacturing of ceramic/glass components in 3C products | United States | ZHOU, Zhifeng(NPMM); LIU, Guo(MNE); LU, Jian(MNE); LU, Xinya(MSE); ZHANG, xiaofeng(MNE) |
| 1346 | VISUAL DETERMINATION OF PRESENCE AND/OR QUANTIFICATION OF A SPECIES IN A SAMPLE SOLUTION | United States and others | CHEN, Ting Hsuan(BME); HARTANTO, Hogi(BME); LI, Jiaheng(BME) |
| 1347 | METHOD OF FABRICATING A HALIDE PEROVSKITE | United States and others | HO, Johnny Chung Yin(MSE); LAI, Zhengxun(MSE); MENG, You(MSE); WANG, Wei(MSE) |
| 1348 | POLYNITROSO COMPOUND, ITS PREPARATION AND ELECTROCHEMICAL USE | United States and others | LEE, Chun Sing(CHEM); KANG, Fangyuan(MSE); ZHANG, Qichun(MSE) |
| 1349 | HALIDE PEROVSKITE, ITS FABRICATION AND USE THE SAME | United States | HO, Johnny Chung Yin(MSE); MENG, You(MSE); LI, Dengji(MSE); ZHENG, Yini(MSE) |
| 1350 | MICROFLUIDIC CHIP, SYSTEM, AND METHOD FOR DETERMINING CELL DEFORMABILITY | United States and others | KHOO, Bee Luan(BME); ZOU, Shangjie(BME); HUA, Haojun(BME) |
| 1354 | REINFORCEMENT-LEARNING-BASED NETWORK TRANSMISSION OF COMPRESSED GENOME SEQUENCE | United States and others | WANG, Shiqi(CS); SUN, Zhenhao(CS); LI, Xiaona(CS); KWONG, Tak Wu Sam(CS) |
| 1355 | METHOD OF FORMING A NANOTWINNED, AUSTENITE/MARTENSITE NANO-LAMELLAR NANOSTRUCTURE IN AN AUSTENITE STEEL ALLOY | United States and others | YANG, Tao(MSE); LI, Qian(MSE) |
| 1356 | COVALENT ORGANIC FRAMEWORK AND ITS ELECTROCHEMICAL USE | United States and others | ZHANG, Qichun(MSE); WANG, Chen Chen(CHEM); XU, Shen(MSE); LEE, Chun Sing(CHEM) |
| 1357 | MULTI-POLARIZATION ANTENNA AND MULTI-POLARIZATION ANTENNA ARRAY | United States and others | LEUNG, Kwok Wa(EE); YANG, Chen(SKMW); LU, Kai* |

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| 1360 | OMNIDIRECTIONAL OMNI-FREQUENCY WAVE ENERGY CONVERTER | United States | DAOUD, Walid(MNE); ALMARDI, Jasim Mohamed Jasim M.(MNE) |
| 1361 | INTERACTIVE WEARABLE DEVICE AND METHOD OF MACHINE LEARNING BASED TRAINING THEREOF | United States | CHEN, Taizhou(SM); LI, Tianpei(SM); ZHU, Kening(SM) |
| 1362 | 一种YAP降解剂及其制备方法和药学上的应用 | China | LI, Xinyu*; SUN, Liang(PHY); DAI, Liang(PHY) |
| 1364 | METHODS OF PRODUCING SINGLE-LAYER TRANSITION METAL SELENIDE | United States | LY, Thuc Hue(CHEM); KIM, Yujeong(CHEM); CHAN, Chi Ying(CHEM); LEUNG, Ka Ho(CHEM); MAN, Ping(CHEM) |
| 1365 | ELECTRONIC DEVICE FOR PROVIDING OR AFFECTING SMELL AND ASSOCIATED EXTENDED REALITY DEVICE | United States and others | YU, Xinge(BME); YIU, Chun Ki(BME); LIU, Yiming(BME); PARK, Wooyoung(BME) |
| 1366 | Adsorption radiant air-conditioning system comprising vacuum dehumidification and high-temperature cooling | United States | LEE, Chun Kwong(CA); FONG, Kwong Fai Square(CA) |
| 1368 | PORTABLE BLOOD PRESSURE SENSOR AND SENSING METHOD THEREOF | United States and others | YU, Xinge(BME); LI, Jian(BME); ZHOU, Jingkun(BME); JIA, Huiling(BME) |
| 1370 | G4-SPECIFIC PEPTIDES AND METHODS OF IDENTIFYING THE SAME | United States | KWOK, Chun Kit(CHEM); MOU, Xi(CHEM) |
| 1375 | FISH-LIKE SHAPE ROBOTIC DEVICE | United States and others | ZHOU, Jingkun(BME); HUANG, Xingcan(BME); LI, Dengfeng(BME); YU, Xinge(BME) |
| 1376 | DIELECTRIC ANTENNAS FOR INTEGRATED SENSING AND COMMUNICATION | United States and others | SUN, Wenjian(EE); WONG, Hang(EE) |
| 1377 | COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR VIDEO CODING | United States and others | WANG, Shiqi(CS); CHEN, Jiancong(CS) |
| 1379 | PHASE-CONTROLLABLE SYNTHESIS OF TRANSITION METAL DICHALCOGENIDE MONOLAYERCRYSTALS | United States | ZHAI, Wei(CHEM); ZHANG, Hua(CHEM); WANG, Yongji(CHEM) |
| 1381 | METHODS OF MEASURING PROTEIN LEVELS OF CELLS AND USES THEREOF | United States | XU, Ying(BME); CHEN, Chia-Hung(BME) |
| 1382 | Physiological signal-detectable smart mask with triboelectric-enhanced filtration efficiency | United States and others | HU, Jinlian(BME); SI, Yifan(BME); SHI, Shuo(BME); MENG, Shuo(BME) |
| 1383 | METHOD FOR SYNTHESIZING INTERMETALLIC ALLOY NANOPARTICLES | United States and others | HUANG, Biao(CHEM); ZHANG, Hua(CHEM); GE, Yiyao(CHEM) |
| 1384 | METHOD FOR SYNTHESIZING AMORPHOUS NOBLE METAL-CRYSTALLINE SEMINCONDUCTOR/METAL HETEROPHASE NANOPARTICLES | United States and others | HUANG, Biao(CHEM); ZHANG, Hua(CHEM); ZHAI, Li(CHEM) |
| 1387 | A CATALYST, ITS PREPARATION AND ITS USE IN AMMONIA SYNTHESIS | United States | ZHANG, Shaoce(MSE); CHEN, Dong(MSE); HO, Johnny Chung Yin(MSE) |

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| 1388 | BIOMIMETIC, NANOFIBER-BASED AND DIRECTIONAL MOISTURE-WICKING ELECTRONIC SKINS AND FABRICATION METHODS THEREOF | United States | SHI, Shuo(BME); SI, Yifan(BME); HU, Jinlian(BME); ZHI, Chuanwei(BME) |
| 1390 | Vibration Suppression Bar Handle Structures for High-Vibration Handheld Machines | United States | JING, Xingjian(MNE) |
| 1391 | Vibration Suppression Split Handle Structures for High-Vibration Handheld Machines | United States | JING, Xingjian(MNE) |
| 1392 | ANTENNA AND METHOD OF MAKING ANTENNA PART | United States and others | YANG, Chen(SKMW); LEUNG, Kwok Wa(EE) |
| 1393 | SURFACE-BASED 3D MODELLING TECHNIQUES ON TOUCHSCREEN DEVICE WITH ANGLE-ADJUSTABLE TOUCHSCREEN | United States | LIU, Can(SM); DAI, Chenyue(CS); CASSINELLI, Alvaro(SM) |
| 1398 | METHODS FOR TREATING HYPERVIRULENT KLEBSIELLA PNEUMONIAE INFECTION | United States | YANG, Guan(PH); LIU, Xiaoxuan(PH); XU, Qi(PH); CHEN, Sheng(PH) |
| 1400 | Quantum meta-device for ultrasensitive displacement metrology | United States and others | TSAI, Din-ping(EE); CHEN, Mu Ku(EE); FAN, Yubin(EE) |
| 1401 | APTAMER-PEPTIDE CONJUGATES | United States | ZHANG, Kun(CHEM); KWOK, Chun Kit(CHEM) |
| 1402 | ANISOTROPIC POROUS MICRONEEDLE, METHOD OF MANUFACTURE, AND METHOD OF USE THEREFOR | United States and others | XU, Chenjie(BME); HU, Tianli(BME) |
| 1403 | RADIATOR FOR TERAHERTZ ELECTROMAGNETIC RADIATION | United States and others | GAO, Liang(EE); CHAN, Chi Hou(EE) |
| 1404 | METASURFACE ANTENNA AND METASURFACE STRUCTURE FOR ANTENNA | United States and others | CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); DAI, Junyan(SKMW); WU, Gengbo(EE); CHAN, Ka Fai(EE) |
| 1408 | FLEXIBLE PEROVSKITE SOLAR CELLS AND FABRICATION THEREOF | United States | GAO, Danpeng(CHEM); LI, Bo(CHEM); ZHU, Zonglong(CHEM) |
| 1409 | PORTABLE CONDENSATION-FREE TEMPERATURE-ADJUSTABLE RADIANT COOLING BOARD SYSTEM | United States and others | HUANG, Gongsheng(CA); LIANG, Yuying(CA) |
| 1410 | METHODS FOR DETECTING OR TREATING ATHEROSCLEROSIS | United States | WANG, Li(BMS); HUANG, Yu(BMS) |
| 1411 | A METHOD FOR FABRICATING AN AROMATIC POLYMER AND A POLYMER FABRICATED ACCORDING THERETO | United States and others | WANG, Xiang(MSE); ZHANG, Qichun(MSE) |
| 1412 | BACKBONE-ENGINEERED HIGHLY EFFICIENT POLYMER HOLE TRANSPORTING MATERIALS, INVERTED PEROVSKITE SOLAR CELLS MADE THEREFROM, AND MANUFACTURING METHODS THEREFOR | United States | SUN, Xianglang(CHEM); WU, Xin(CHEM); ZHU, Zonglong(CHEM) |
| 1413 | A COMPOSITE MATERIAL AND PREPARATION FOR THE SAME | United States and others | LIU, Sai(E2); TSO, Chi Yan(E2) |
| 1414 | WEARABLE ELECTRONIC DEVICE FOR PROVIDING OR AFFECTING SMELL | United States and others | PARK, Wooyoung(BME); JIAO, Yanli(BME); YU, Xinge(BME); LIU, Yiming(BME) |

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| 1415 | RADIATOR FOR PROVIDING TERAHERTZ ELECTROMAGNETIC RADIATION | United States and others | GAO, Liang(EE); CHAN, Chi Hou(EE) |
| 1416 | METHODS OF GENERATING A LUBRICATION INTERFACE, METHODS OF ENHANCING LUBRICATION OF MOVING PARTS AND LUBRICANTS | United States | THI, Quoc Huy(CHEM); LY, Thuc Hue(CHEM) |
| 1417 | METHOD OF RAPID SYNTHESIS OF ALKALINE-EARTH SELENIDE/SULFIDE COMPOUNDS | United States | WANG, Yanze(MSE); WANG, Feng(MSE) |
| 1418 | A Method for Synthesizing 2H/1T' TMD Heterophase Junctions and a Device Based on the Same | United States | ZHAI, Wei(CHEM); ZHANG, Hua(CHEM); WANG, Yongji(CHEM) |
| 1419 | IC PACKAGE WITH NANOTWINNING-ASSISTED STRUCTURALLY STABLE COPPER STRUCTURE | United States and others | nan |
| 1420 | Method for Synthesizing High-Entropy Alloy (HEA) Nanostructures | United States | ZHAI, Li(CHEM); LI, Zijian(CHEM); ZHANG, Hua(CHEM); ZHANG, An(CHEM) |
| 1421 | A COMPOSITE MATERIAL AND ITS PREPARATION METHOD | United States | DU, Yuwei(E2); LIU, Sai(E2); TSO, Chi Yan(E2); HO, Tsz Chung(E2) |
| 1422 | HIGH CAPACITY, HIGH ENERGY DENSITY AND HIGH POWER REVERSIBLE Li-Cl ₂ BATTERY SYSTEM | United States and others | LI, Xinliang(MSE); LI, Pei(MSE); ZHI, Chunyi(MSE) |
| 1423 | DIRECT SYNTHESIS OF IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS, AND IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS THEREOF | United States | LY, Thuc Hue(CHEM); THI, Quoc Huy(CHEM); MAN, Ping(CHEM) |
| 1424 | POWER-TO-WATER BATTERY AND USES THEREOF | United States and others | LIN, Haosheng(E2); WU, Wei(E2) |
| 1425 | DATA ANALYTICS SYSTEM AND ITS OPERATION | United States | ZANG, Yichen(CS); WANG, Cong(CS); CAI, Chengjun(CS) |
| 1426 | METHODS FOR FABRICATING PHOTOCATALYTIC METAL-ORGANIC FRAMEWORKS LOADED FABRIC | Hong Kong | WONG, Pak Wai(E2); SUN, Mingzhe(E2); GUO, Jiaxin*; SUN, Jiawei(E2); AN, Kyoung Jin Alicia(E2); SHANG, Jin(E2) |
| 1427 | HYBRID SYSTEM FOR ELECTRICITY AND WATER GENERATION, PASSIVE COOLING INDUCED CO-GENERATOR APPARATUS, AND MANUFACTURING METHOD THEREFOR | United States and others | LU, Jian(MNE); YAO, Yao*; WANG, Qiliang*; CAO, Zhaowenbo(MNE); MAO, Zhengyi(MNE) |
| 1429 | Reshaping fish intestinal microbiota and facilitating barrier function by ZnO nanoparticles | United States | MA, Shuoli(E2); WANG, Wenxiong(E2) |
| 1430 | 一种柔性压力传感器及其制备方法和应用 | China | MENG, Shuo(BME); ZHANG, Shuai(BME); ZHANG, Ke(BME); HU, Jinlian(BME) |
| 1432 | MULTI-COMPONENT HIGH ENTROPY ALLOY WITH NANOSCALE ATOMIC SELF-ORDERING STRUCTURE AND PREPARATION METHODS THEREOF | United States | YANG, Tao(MSE); JU, Jiang(MSE) |

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| 1434 | 具有负离子理疗和中药功效的无水眼膜及其制备方法 | China | HU, Jinlian(BME); SI, Yifan(BME); GUO, Chunxia(BME); ZHANG, Hanshui(BME) |
| 1436 | A PLATINUM-BASED PHOTOINITIATOR AND PHOTOCROSSLINKER, THEIR USE FOR ADDUCT FORMATION | United States | XU, Jiaqian(CHEM); ZHU, Guangyu(CHEM) |
| 1437 | TRAINING AND/OR OPERATING GRAPH NEURAL NETWORK BASED RECOMMENDATION SYSTEM | United States and others | SONG, Linqi(CS); LUO, Sichun(CS) |
| 1438 | Long-tail Learning to Rank with Data augmentation and Contrastive Learning | United States and others | LUO, Sichun(CS); SONG, Linqi(CS) |
| 1439 | 图灵催化剂及其制备方法与应用和膜电极反应器 | China | Jialun GU, Lanxi LI, Jian LU |
| 1440 | INTEGRATED LITHIUM NIOBATE MICROWAVE PHOTONIC PROCESSING ENGINE | United States and others | GUO, Xiaoqing(EE); GE, Tong(EE); YUAN, Yixuan*; FENG, Hanke(EE); WANG, Cheng(EE) |
| 1441 | PROTOTYPING APPLICATIONS OF SPATIALLY AWARE SMART OBJECTS USING AUGMENTED REALITY | United States | XIAO, Chufeng(SM); YE, Hui(SM); FU, Hongbo(SM) |
| 1442 | OPTICAL FIBER BASED OPTICAL RADIATION MODULATION DEVICE | United States | WANG, Lidai(BME); CHEN, Jiangbo(BME) |
| 1444 | 一种防伪产品及其制作方法与应用 | China | ZHAO, Wenchang(MNE); ZHU, Pingan(MNE) |
| 1446 | METHOD FOR PREVENTING AND/OR TREATING VIRAL INFECTIONS | United States | LI, Huangcan(BMS); WANG, Xiong(BMS); HE, Mingliang(BMS) |
| 1450 | MEDICAL IMAGE COMPRESSION AND/OR RECONSTRUCTION | United States and others | KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS); WANG, Meng(CS); LIU, Xiangrui(CS) |
| 1452 | FACILITATING ENCODING OF VIDEO DATA USING NEURAL NETWORK | United States | MAO, Yunhao(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |
| 1453 | Double Enhanced Modeling for Learned Video Compression | United States and others | KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS); YE, Dongjie(CS); GUO, Haifeng(CS) |
| 1454 | PREPARATION OF TWO-DIMENSIONAL MOLYBDENUM PHOSPHIDE VIA SURFACE-CONFINED ATOMIC SUBSTITUTION | United States | QI, Junlei(MSE); HE, Qiyuan(MSE); WANG, Wenbin(MSE) |
| 1455 | DISSOLVABLE MICRONEEDLE | United States and others | YU, Jinming(BME); XU, Chenjie(BME); ZHAO, Yayi(BME) |
| 1456 | Amorphous-crystalline palladium-based heterophase nanostructures for electrocatalytic applications | International Bureau of the WIPO | LUO, Qinxin(CHEM); GE, Yiyao(CHEM); LI, Lujiang(CHEM); ZHANG, Hua(CHEM) |
| 1457 | Graphene Oxide-Based Fluorescent Sensor for Biomolecule Detection | United States | LIU, Ling Sum(CHEM); LO, Pik Kwan Peggy(CHEM); LI, Pan(CHEM); LEUNG, Hoi Man(CHEM); WANG, Fei(CHEM) |
| 1458 | PHENAZINE DERIVATIVE-BASED ALKALINE BATTERY | United States and others | ZHI, Chunyi(MSE); CUI, Huilin(MSE); ZHU, Jiexiong(MSE) |
| 1460 | Aqueous Zn NO ₂ Electrochemical Cell | United States | ZHI, Chunyi(MSE); MA, Longtao(MSE) |
| 1462 | Reversible Semimetal-semiconductor Transition of Unconventional-phase WS ₂ Nanosheets | United States | ZHANG, Hua(CHEM); ZHAI, Wei(CHEM); HE, Qiyuan(MSE) |

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| 1463 | CRYPTOSYSTEM WITH UTILIZING SPLIT-RADIX DISCRETE GALOIS TRANSFORMATION | United States | LAM, Hiu Fung(EE); LI, Guangyan(EE); MAO, Gaoyu(EE); CHEUNG, Chak Chung Ray(EE) |
| 1464 | LARGE-AREA AND FREESTANDING METAL-BASED NANOMEMBRANE ELECTROCATALYST FOR SUSTAINABLE HYDROGEN PRODUCTION | United States and others | YANG, Yong(MNE); PARK, Minhyuk(MNE); TENG, Yun(MNE); GAO, Xiang(MNE) |
| 1465 | METHOD FOR SYNTHESIZING NOBLE METAL-SEMICONDUCTOR HETEROSTRUCTURES AND PHOTOCATALYTIC SYSTEM | United States and others | YANG, Hua(CHEM); ZHAI, Li(CHEM); ZHANG, Hua(CHEM); LI, Zijian(CHEM) |
| 1466 | 4H/FCC Heterophase Platinum Based Nanomaterial on Nanorod for Electrocatalytic Alcohol Oxidation | United States | LIAO, Lingwen(CHEM); ZHANG, Hua(CHEM); HE, Zhen(CHEM) |
| 1467 | 利用知识冗余的图像集压缩 | China | ZHANG, Pingping(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |
| 1468 | 用于处理图像的编码和/或解码装置、方法和系统 | China | KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS); ZHANG, Pingping(CS) |
| 1469 | A COMPOSITE PHASE DIAMOND MATERIAL, A METHOD OF FABRICATING THE MATERIAL AND USE OF THE MATERIAL | United States and others | YIN, Jianan(MNE); LU, Jian(MNE) |
| 1470 | 具有富含羟基的水凝胶电解质的水溶性锌基电池 | China | ZHANG, Rong(MSE); LI, Chuan(MSE); ZHI, Chunyi(MSE) |
| 1475 | TACTILE SENSOR, TOUCH DEVICE, AND MANUFACTURING METHOD OF TACTILE SENSOR | United States | ZHI, Chuanwei(BME); HU, Jinlian(BME); SHI, Shuo(BME) |
| 1476 | Preserving Tumor Volumes for Unsupervised Medical Image Registration | United States and others | DONG, Qihua(CS); SONG, Ying*; WANG, Xin*; XU, Yan*; DU, Hao(CS); LIAO, Jing(CS) |
| 1477 | PAINTING ANTENNA AND ANTENNA-INTEGRATED ARTICLE | United States | NG, Ling Chi(EE); LO, King Tung(EE); WONG, Hang(EE); SO, Kwok Kan(EE) |
| 1478 | 室内分布式天线系统的拓扑结构设计方法及相关设备 | China | HUANG, Peiqiu(CS); WU, Xilei(CS); ZHANG, Qingfu(CS) |
| 1479 | A HYDROCHROMIC HALIDE PEROVSKITE, ITS PREPARATION AND USE THE SAME | United States | CHEN, Jiangkun(MSE); WANG, Feng(MSE) |
| 1480 | DISTS Based Perceptual Quality Control for VVC | United States and others | MAO, Yunhao(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |
| 1481 | PHOTOVOLTAICS PANEL, PHOTOVOLTAICS SYSTEM AND EVAPORATING SYSTEM FOR PHOTOVOLTAICS SYSTEM | United States and others | WU, Wei(E2); LI, Fuxiang(E2) |
| 1482 | A Framework to Generate Sparsity Regularizers and its Applications to Low-rank Plus Sparse Matrix Decomposition | United States and others | Zoubir, Abdelhak M.*; SO, Hing Cheung(EE); WANG, Zhiyong(EE) |
| 1483 | 用于VVC帧内编码的联合率失真优化方法、装置及设备 | China | WANG, Shiqi(CS); ZHANG, Yingwen(CS) |
| 1484 | Polarization-diversity Omnidirectional Antenna using Planar feeding on a single substrate | United States and others | LEUNG, Kwok Wa(EE); HU, Pengfei(EE) |
| 1485 | SYSTEM AND METHOD FOR COMPRESSING AND/OR RECONSTRUCTING MEDICAL IMAGE | United States and others | LIU, Xiangrui(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |

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| 1486 | MICROFLUIDIC DEVICE AND METHOD FOR EXTRACTING BLOOD PLASMA FROM WHOLE BLOOD | United States and others | HARTANTO, Hogi(BME); CHEN, Ting Hsuan(BME) |
| 1487 | CANTILEVER-BASED OPTO-ELECTROMECHANICAL SYSTEM FABRICATION METHODS | United States | DONG, Lixin(BME); HOU, Chaojian(BME); WANG, Kun(BME); ZHANG, Wenqi(BME) |
| 1488 | FABRICATION METHODS FOR 3D STRUCTURES BASED ON ROLLING-UP KIRIGAMI TECHNIQUES | United States | ZHANG, Wenqi(BME); WANG, Kun(BME); HOU, Chaojian(BME); DONG, Lixin(BME) |
| 1489 | Ni ₂ P/MoNi ₂ P/MoP Heterostructure Electrocatalysts for Efficient Hydrogen Evolution Reaction | United States and others | BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE) |
| 1490 | 一种双层快干透湿高发射制冷薄膜及其制备方法与应用 | China | LEI, Leqi(BME); HU, Jinlian(BME) |
| 1491 | 一种多功能防护膜及其制备方法与应用 | China | HU, Jinlian(BME); ZHI, Chuanwei(BME); YANG, Jieqiong(BME); SI, Yifan(BME) |
| 1492 | 锂电池充电控制方法、装置、设备及存储介质 | China | CHEN, Guohua(E2); LIU, Yuanming(E2) |
| 1493 | CARBON-DOPED ALLOY STEEL WITH SUPER ROOM-TEMPERATURE DUCTILITY AND ITS PREPARATION PROCESS | United States and others | LI, Qian(MSE); YANG, Tao(MSE) |
| 1494 | 一种基于直流-直流变换器的新型周期能量控制策略 | China | MA, Tianlu(E2); JIANG, Chaoqiang(E2) |
| 1496 | ELECTROLYTE ADDITIVES AND RECHARGEABLE BATTERIES COMPRISING THE SAME | United States | DUAN, Qiaohui(E2); YU, Yau Wai Denis(E2) |
| 1497 | A DEEP LEARNING-BASED APPROACH FOR SOLVING OPTIMAL POWER FLOW PROBLEMS WITH FLEXIBLE TOPOLOGY | United States | ZHOU, Min(DS); CHEN, Minghua(DS) |
| 1498 | MACHINE LEARNING WITH NEURAL NETWORKS FOR REDUCING BACTERIAL SEQUENCECONTAMINATION IN PHAGE GENOME CONSTRUCTIONS | United States | WANG, Ruohan(CS); PAN, Guangze(CS); LI, Shuaicheng(CS) |
| 1499 | POINT CLOUD GEOMETRY COMPRESSION | United States | WU, Xinju(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS) |
| 1501 | TRAINING AND/OR OPERATING CONVOLUTIONAL NEURAL NETWORK BASED MODEL FOR DIAGNOSING DAMAGE IN COMPOSITE STRUCTURE | Hong Kong | nan |
| 1502 | A RECHARGEABLE AQUEOUS Zn IS FLOW BATTERY SYSTEM | United States and others | WEI, Zhiquan(MSE); ZHI, Chunyi(MSE); LIANG, Guojin(MSE) |
| 1503 | 一种肌肤诱导自导湿的干态面膜、原液及制备方法与应用 | China | HUANG, Kaisong(BME); SI, Yifan(BME); GUO, Chunxia(BME); HU, Jinlian(BME) |
| 1504 | Sweat Extraction and Monitoring System | United States | WU, Pengcheng(BME); XU, Guoqiang(BME); YANG, Yawen*; SHI, Rui(BME); HUANG, Xingcan(BME); YU, Xinge(BME) |
| 1505 | Method for Selective Surface Engineering of Perovskite Microwire Arrays | United States | MENG, You(MSE); LI, Dengji(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(MSE) |
| 1506 | ORGANIC-INORGANIC HYBRID PEROVSKITES | United States | LI, Fengzhu(MSE); JEN, Alex Kwan Yue(MSE) |
| 1507 | A PEROVSKITE LAYER, FABRICATION METHOD AND USE THE SAME | United States and others | JEN, Alex Kwan Yue(MSE); WU, Shengfan(MSE); YAN, Yichao(CHEM) |

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| 1508 | WIDE-BAND PHOTODETECTORS USING THERMOELECTRIC MATERIALS | United States | MENG, You(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(MSE) |
| 1510 | SYSTEM AND METHOD FOR PERFORMING OPERATION USING LINEAR-INTEGGER-PROGRAMING FOR RSA FACTORIZATION | United States | nan; KUO, Way(IAS) |
| 1511 | Alkaline Earth Metal Confined in Carbon-coupled Polymer Membrane for High-performance Piezocatalysis | United States | LEE, Chun Sing(CHEM); ZHAO, Qi(CHEM); YAO, Weifeng*; SUN, Yajun(MNE) |
| 1513 | 一种锂硫电池电解液及其制备方法与应用和锂硫电池 | China | QIN, Xusong(E2); CHEN, Guohua(E2) |
| 1518 | TRANSPARENT AND FLEXIBLE ELECTRONIC SKIN AND METHOD FOR FABRICATING THE SAME | United States and others | ZHOU, Jingkun(BME); JIA, Huiling(BME); LI, Jian(BME); YU, Xinge(BME) |
| 1519 | Biomimetic Thermal Regulating Fabric and Method for Constructing the Same | United States and others | YU, Xinge(BME); ZHANG, Qiang(IS); HUANG, Xingcan(BME); CHOW, Lung(BME) |
| 1520 | An Monopedal Hopping Quadcopter | United States and others | BAI, Songnan(BME); DING, Runze(BME); CHIRARATTANANON, Pakpong(BME) |
| 1521 | SYSTEMS AND METHODS FOR PREPROCESSING IMMUNOCYTOCHEMISTRY IMAGES FOR MACHINE LEARNING IMAGE-TO-IMAGE TRANSLATION | United States and others | CHAN, Cheuk Ying Cherry(PHY); ZHANG, Wei(DS); GIULIANO, Antonio(VCS); HERNANDEZ MUGUIRO, Daniela(VDL); HOCKLEY, Duncan*; CHEUNG, Tin Yan Elaine*; Ahmed, Irfan(PHY); HILL, Fraser Ian(VDL); LAU, Condon(PHY); CHO, Chi Shing*; CHEUK, Wah*; LAW, Wing Lun(PHY); LI, Xinyue(DS); YUAN, Yixuan*; KEE, Wing Sze(ANSD) |
| 1522 | THERMAL SABLE, ONE-DIMENSIONAL HEXAGONAL-PHASE VANADIUM SULFIDE NANOWIRES AND METHODS FOR PREPARING THE SAME | United States and others | ZHANG, Hua(CHEM); REN, Yi(CHEM) |
| 1523 | METHODS AND COMPOSITIONS OF TREATING SPINAL CORD INJURIES | United States | LIU, Aijia Jessica(NS) |
| 1524 | A Novel High-performance Photodetector Based on Two-dimensional Perovskite Crystals with Alternating Interlayer Cations | United States | HO, Johnny Chung Yin(MSE); MENG, You(MSE); QUAN, Quan(MSE); LAI, Zhengxun(MSE); LI, Yezhan(MSE) |
| 1529 | SHAPE MEMORY CERAMIC AND MANUFACTURING METHOD THEREOF | United States and others | LU, Jian(MNE); LIU, Guo(MNE) |
| 1530 | Compositions and methods for the production of low-carbon foam concrete | United States | CHEN, Huaguo(CA); LIANG, Kaikang(CA); LAU, Denvid(CA) |
| 1532 | BIOMASS-BASED STRETCHABLE HYDROGEL MATERIALS FOR MONITORING HUMAN BODY MOTION | United States | ZHAO, Hong(MNE); BO, Xiangkun(MNE); LI, Weilu(MNE); DAOUD, Walid(MNE) |
| 1533 | L-RNA APTAMERS, RECOMBINANT POLYNUCLEOTIDES, AND USES THEREOF IN TREATING ALZHEIMER'S DISEASE | United States | KWOK, Chun Kit(CHEM) |

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| 1534 | 基于深度强化学习的通用路旁单元部署方法 | China | LI, Zhenjiang(CS); WU, Xianjing(CS); ZHAO, Shengjie*; LIU, Zhidan* |
| 1535 | AUTOREGRESSIVE BASED DATA COMPRESSION | United States and others | KUO, Tei-Wei*; MAO, Yu(CS); XUE, Chun Jason(CS) |
| 1537 | A HIGH-VOLTAGE LITHIUM-ION BATTERY WITH A WIDE ELECTROCHEMICAL WINDOW OF POLYMER ELECTROLYTES | United States and others | HOU, Yue(MSE); ZHI, Chunyi(MSE) |
| 1538 | A NONLINEAR INERTIA-BASED VIBRATION ISOLATION SYSTEM | United States | JING, Xingjian(MNE) |
| 1540 | A NEW DESIGN APPROACH FOR AN AIR DISINFECTION DEVICE | United States | LU, Yuhao(E2); WANG, Minghao(CA); ZHANG, Huihui(E2); LAI, Chi Keung Alvin(E2) |
| 1541 | A PHOTOELECTROCHEMICAL CELL AND A PHOTOELECTROCHEMICAL LITHIUM EXTRACTION DEVICE BASED ON THE SAME | International Bureau of the WIPO | LI, Zhongxiao(MSE); HE, Jr-Hau(MSE) |
| 1543 | A strong-yet-ductile chemically complex alloy over a wide temperature range and its preparation method | United States | ZHOU, Yinghao(ANSO); YANG, Tao(MSE) |
| 1545 | METHODS FOR ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE | United States | FAN, Zhanxi(CHEM); YU, Jinli(CHEM) |
| 1546 | AUTONOMOUS SELF-HEALABLE AND MECHANICALLY ROBUST HYDROGEL AND TRIBOELECTRIC NANOGENERATOR COMPRISING THE SAME | United States | FIRDOUS, Irum(MNE); FAHIM, Muhammad(MNE); DAOUD, Walid(MNE) |
| 1547 | RSS-oriented Emergency Positioning System | United States | HE, Jiajun(E2); XIONG, Wenxin*; SO, Hing Cheung(E2) |
| 1548 | METHODS OF INHIBITING KLEBSIELLA PNEUMONIAE CARBAPENEMASE-2 | United States | CHEN, Sheng*; YANG, Chen(PH); TANG, Yang(PH); LIU, Chenyu(PH) |
| 1549 | AN ULTRA-STRONG AND DUCTILE MULTIFUNCTIONAL TITANIUM ALLOY AND METHODS FOR PREPARING THE SAME | United States and others | ZHANG, Jixun(MSE); YANG, Tao(MSE) |
| 1550 | HYDRATION-RESPONSIVE SHAPE-MEMORY KERATIN COMPOSITE FIBERS AND FABRICATION METHODS THEREOF | United States | HU, Jinlian(BME); XU, Xiaoyun(BME) |
| 1551 | AN ADSORBENT, ITS PREPARATION AND USE | United States and others | SHANG, Jin(E2); TAO, Zeyu(E2) |
| 1552 | DEFECT-RICH MoS2 MONOLAYER, METHODS FOR PRODUCING THE SAME AND USES THEREOF | United States | MAN, Ping(CHEM); LY, Thuc Hue(CHEM); LEUNG, Ka Ho(CHEM) |
| 1553 | A METHOD FOR DETERMINING ACUTE TOXICITY AND A SYSTEM USING SAID METHOD | United States and others | WANG, Wenxiong(E2); Xia, Yiteng(E2) |
| 1554 | High-performance organic Li-bromine batteries enabled by two-electron redox chemistry | United States | ZHI, Chunyi(MSE); LI, Xinliang(MSE); LI, Pei(MSE) |
| 1555 | Tonotopy-inspired One-wire Reconfigurable and Damage-tolerant Sensor Matrix System and Design Method Thereof | United States | LONG, Zhihe(MNE); LIN, Weikang(MNE); Yang, Zhengbao* |
| 1557 | 一种室内分布式系统的天线布局规划方法 | China | ZHANG, Qingfu(CS); HUANG, Peiqiu(CS); WU, Xilei(CS) |
| 1558 | Magnetic Impact Needle Robot | United States | ZHANG, Jiachen(BME); XIANG, Yuxuan(BME) |

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| 1559 | RECONFIGURABLE QUADROTOR WITH CONTROLLED ROLLING AND TURNING | United States | BAI, Songnan(BME); DING, Runze(BME); JIA, Huaiyuan(BME); CHIRARATTANANON, Pakpong(BME) |
| 1561 | METHOD AND SYSTEM FOR ADAPTIVE CORNER DETECTION USING DYNAMIC VISION SENSORS | United States | BASU, Arindam(EE); SUN, Pao-Sheng Vincent(EE) |
| 1562 | 3D LIQUID DIODE AND PERMEABLE ELECTRONIC DEVICES BASED ON THE SAME | United States | ZHOU, Jingkun(BME); Zhang, Binbin(BME); YU, Xinge(BME); LI, Jiyu(BME) |
| 1563 | 手持式定向静电纺丝设备 | China | GUO, Chunxia(BME); HUANG, Kaisong(BME); SI, Yifan(BME); HU, Jinlian(BME) |
| 1565 | BIMETALLIC ALLOY NANOSTRUCTURES FOR EFFICIENT AMMONIA ELECTROSYNTHESIS | United States | FAN, Zhanxi(CHEM); WANG, Yunhao(CHEM) |
| 1566 | RECHARGEABLE ZINC-NITRATE/ETHANOL BATTERY | United States and others | XIONG, Yuecheng(CHEM); ZHOU, Jingwen(CHEM); FAN, Zhanxi(CHEM) |
| 1567 | A Simple Method to Fabricate CuO/NiO Heterostructure for Efficient Ammonia Electrosynthesis | United States | CHEN, Dong(MSE); YIN, Di(MSE); QUAN, Quan(MSE); HO, Johnny Chung Yin(MSE) |
| 1570 | PHASE CHANGE MATERIAL-BASED METASURFACE STRUCTURE AND RELATED METHOD | United States | LEI, Dangyuan(MSE); LIAO, Yuan(MSE); FAN, Yulong(MSE) |
| 1571 | A new nano-metal embedding technology for feeding to improve heat stress resistance in marine fish | United States and others | MA, Shuoli(E2); WANG, Wenxiong(E2) |
| 1572 | Image Quality Assessment based on Flexible Reference | United States | TIAN, Yu(CS); WANG, Shiqi(CS); CHEN, Baoliang(CS); KWONG, Tak Wu Sam(CS) |
| 1573 | A method for all zero block detection in versatile video coding | United States | WANG, Shiqi(CS); SUN, Zhenhao(CS); KWONG, Tak Wu Sam(CS) |
| 1574 | A FILM OF GRAPHITIC CARBON NITRIDE FOR PHOTOANODE AND A METHOD FOR FORMING THE SAME | United States and others | ZHANG, Ruiqin(PHY); ZHAO, Yanling(PHY); OO, May Thawda(PHY) |
| 1576 | 耦合器及用电设备 | China | CHEN, Chen(EE); JIANG, Chaoqiang(EE) |
| 1579 | RNA G-QUADRUPLEX BASED PROTEOLYSIS-TARGETING CHIMERAS | United States | ZHANG, Kun(CHEM); KWOK, Chun Kit(CHEM) |
| 1580 | Simultaneous salt rejection and heat localization via engineering wick structure and macrochannels in 3D evaporator, and manufacturing method therefor | United States | LU, Jian(MNE); MAO, Zhengyi(MNE); CHEN, Yingxian(MSE); LI, Lanxi(MSE); HAN, Yicheng(MNE) |
| 1581 | METHOD AND SYSTEM FOR LEARNING-BASED BIDIRECTIONAL VIDEO COMPRESSION | United States | KWONG, Tak Wu Sam(CS); GUO, Haifeng(CS); WANG, Shiqi(CS) |
| 1583 | A Base Station Sleeping Strategy in Heterogeneous Cellular Networks Based on User Traffic Prediction | United States and others | WANG, Xinyu(EE); XU, Jiahe(EE); ZUKERMAN, Moshe(EE); Lyu, Bingchen*; GUO, Chao* |
| 1584 | METHOD AND SYSTEM FOR SUBMARINE CABLE PATH PLANNING | United States | WANG, Xinyu(EE); ZUKERMAN, Moshe(EE); WANG, Zengfu* |

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| 1585 | AN AQUEOUS ZINC-ION BATTERY WITH STABLE PERFORMANCE DURING OVERCHARGING | United States | YANG, Shuo(MSE); ZHI, Chunyi(MSE) |
| 1586 | HIERARCHICAL CORE-SATELLITE PARTICLES AND METHODS OF PREPARATION THEREOF | United States and others | CHEN, Chia-Hung(BME) |
| 1587 | METHOD OF PREVENTING CARDIOVASCULAR DISEASES BY ADMINISTERING ENGINEERED PROBIOTICS | United States | BUI, Thi Van Anh(BMS); BAN, Kiwon(BMS); PHAM, Quynh Hoa(BMS); LAU, Chi Kong Terrence(BMS) |
| 1588 | SYSTEMS AND METHODS FOR MONITORING OF DELVIERY OF LABEL-FREE DRUGS | United States | SU, Haoyun(BME); HUANG, Jianpan(BME); CHAN, Wai Yan Kannie(BME) |
| 1590 | ULTRA-BROADBAND LOOP ANTENNA FOR WIRELESS COMMUNICATION AND ENERGY TRANSCEIVER | United States | XIAO, Bing(EI); WONG, Hang(EI) |
| 1594 | Negative Reactance Synthesizer | United States and others | DING, Li*; TSE, Chi Kong(EI) |
| 1595 | Absorption Carnot Battery | United States | WU, Wei(E2); DING, Zhixiong(E2); SUI, Yunren(E2); LIN, Haosheng(E2) |
| 1597 | REGULATING MICROTUBULE DYNAMICS AS A THERAPEUTIC TARGET FOR NERVE REPAIR | United States and others | AU, Ngan Pan(NS); MA, Chi Him Eddie(NS) |
| 1599 | Dual-passband Doherty Power Amplifier | United States | ZHOU, Liheng*; Zhou, Xinyu*; CHAN, Wing Shing(EI) |
| 1600 | Integrated thin-film lithium niobate millimeter-wave photonic radar chip | United States | PUN, Yue Bun Edwin(EI); ZHU, Sha(SKMW); ZHANG, Yiwen(EI); WANG, Cheng(EI) |
| 1601 | A 4D-PRINTED HUMIDITY AND MAGNETIC DUAL RESPONSIVE ACTUATOR | United States and others | LU, Jian(MNE); HE, Yunhu(MNE); MAO, Zhengyi(MNE); HAN, Yicheng(MNE) |
| 1602 | Carbon Footprint Optimized Timely E-Truck Transportation | United States | SU, Junyan(DS); LIN, Qiulin(DS); CHEN, Minghua(DS) |
| 1603 | PORTABLE VIRTUAL TASTE GENERATOR | United States | PARK, Wooyoung(BME); LIU, Yiming(BME); YU, Xinge(BME) |
| 1604 | Automatic identification method for redundant switches of power electronics converters based on graph theory | United States and others | MO, Liping(EI); WANG, Yibo(EI); JIANG, Chaoqiang(EI); MA, Tianlu(EI) |
| 1605 | CYCLIC TITANIUM OXIDE NANOCUSTER COMPOSITION AND DEVICE WITH SAME | United States | LI, Fengzhu(MSE); ZHAO, Chaowei(MSE); JEN, Alex Kwan Yue(MSE) |
| 1606 | DURABLE TRIBOELECTRIC NANOGENERATOR FABRICATED ON COILED HEAD OF ACUPUNCTURE NEEDLE THEREOF | United States | IQBAL, Saira(BME); HU, Jinlian(BME) |
| 1607 | The therapeutic effect of naproxen on Acinetobacter baumannii | United States | CHEN, Sheng*; YANG, Guan(PH); WANG, Han(PH); XU, Qi(PH) |
| 1610 | PLASMID-BASED REVERSE GENETICS SYSTEM FOR TILAPIA LAKE VIRUS (TiLV) | United States and others | WANG, Xingxing(PH); OSTERRIEDER, Nikolaus(PH) |
| 1611 | METHOD FOR INDUCING DEDIFFERENTIATION OF ADIPOCYTES | United States and others | LIU, Guopan(BMS); WANG, Ying(BMS); ZHANG, Liang(BMS); PAN, Yilin* |
| 1612 | Data encoding method for 3D NAND flash memory | United States | XUE, Chun Jason(CS); YE, Min(CS); WU, Shangyu(CS); Kuo, Tei-Wei*; Li, Qiao*; Cui, Yufei* |

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| 1614 | Reactance-Loaded Sequential-Phase Feed Network for a Highly Compact Wideband On-Chip Circularly Polarized Antenna | United States | SHUM, Kam Man(SKMW); CHAN, Chi Hou(EE); KONG, Shangcheng(EE) |
| 1615 | ORGANOBORON COMPOUND, ITS PREPARATION AND USE | United States | LU, Zhenpin(CHEM); LI, Haokun(CHEM) |
| 1616 | ENRICHMENT METHOD, ANALYSIS METHOD, AND A REAGENT KIT FOR A CIRCULATING TUMOR CELL | United States | SI, Tongxu(BMS); YANG, Zihan(BMS); YANG, Mengsu(BMS) |
| 1617 | WEARABLE HAPTIC DEVICES FOR MODULATING PERCEIVED ROUGHNESS OF PHYSICAL SURFACES IN REAL-TIME SIMULATION IN MIXED REALITY ENVIRONMENTS | United States | ZHU, Kening(SM); YU, Xinge(BME); CAI, Shaoyu(SM); GAO, Haichen(SM); ZHANG, Qi(SM) |
| 1618 | METHOD AND SYSTEM OF PRE-TRAINING GRAPH NEURAL NETWORK FOR MOLECULAR GRAPHS | United States | LIN, Wei(NS); FUNG, Chi Chung Alan(NS) |
| 1619 | METHOD AND SYSTEM FOR RESTORING A COMPRESSED IMAGE WITH RAINDROPS | United States | WANG, Shiqi(CS); LIN, Rongqun(CS); KWONG, Tak Wu Sam(CS) |
| 1620 | Mineralization of Aromatic Pollutants using Electrochemical Oxidation | United States | LAM, Chun Ho Jason(E2); BATOOL, Asma(E2) |
| 1621 | A METHOD FOR PREPARING GAMMA-BUTYROLACTONE | United States | ZHU, Qi(E2); LAM, Chun Ho Jason(E2); SHAO, Shan(E2); LIU, Shengqin(E2); JIN, Yangxin(E2) |
| 1625 | SIZE-SIEVING ENHANCED ZINC-IODINE FLOW BATTERY SYSTEM FOR MITIGATING WATER/HYDRATED ION CLUSTER MIGRATION | United States | WEI, Zhiquan(MSE); LIANG, Guojin(MSE); ZHI, Chunyi(MSE) |
| 1626 | META-DEVICE FOR NUCLEAR RADIATION DETECTION AND MANUFACTURING METHOD THEREOF | United States and others | TSAI, Din-ping(EE); CHEN, Mu Ku(EE); LIN, Rong(EE) |
| 1627 | Method and system for machine learning based assessment of Alzheimer's Disease | United States | CHAN, Kei Hang Katie(BMS); Yao, Mingwei*; Woo, Yat Ming Peter*; Chen, Jingtao(EE); LIU, Jundong(EE) |
| 1628 | NANOSCAFFOLD FOR SELF-TRIGGERED OSTEOGENIC DIFFERENTIATION OF STEM CELLS | United States | HU, Jinlian(BME); WU, Hanbai(BME); SHI, Shuo(BME) |
| 1629 | APPARATUS FOR MEASURING A GATE LEAKAGE CURRENT OF A TRANSISTOR | United States | CHUNG, Shu Hung(EE); TANG, Ho Tin(EE) |
| 1633 | Site-Selective Growth of Unconventional Phase Janus Nanostructures for Electrocatalytic Carbon Dioxide Reduction | United States | MA, Yangbo(CHEM); FAN, Zhanxi(CHEM) |
| 1634 | Electrochemical method for depositing metals on unconventional-phase TMDs with enhanced electrocatalytic performances | United States | SHI, Zhenyu(CHEM); ZHAI, Li(CHEM); LI, Zijian(CHEM); ZHANG, Hua(CHEM); ZHANG, An(CHEM) |
| 1635 | ELECTROCATALYST FOR EFFICIENT NITRITE REDUCTION | United States | FAN, Zhanxi(CHEM); XIONG, Yuecheng(CHEM); WANG, Yunhao(CHEM) |

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| 1636 | MULTI-SLOT ANTENNA AND LOW-PROFILE PHASED ARRAY ANTENNA USNING THE SAME | United States | SU, Zhili(EE); LU, Kai(EE); LEUNG, Kwok Wa(EE) |
| 1640 | Integration of Polyoxometalate Clusters with Self-Assembled Monolayer for Efficient and Robust Organic Photovoltaics | United States | FAN, Baobing(CHEM); JEN, Alex Kwan Yue(MSE) |
| 1641 | 无酶葡萄糖生物传感器及其制备方法和在智能可穿戴电子设备中的应用 | China | HU, Jinlian(BME); LIANG, Xinchuo(BME); ZHANG, Shuai(BME); MENG, Shuo(BME) |
| 1642 | A surfactant-protected stretchable and conductive tribopositive material and its application in sensors and energy harvesters | United States | VALENCIA, Agnes(MNE); ZHAO, Hong(MNE); BO, Xiangkun(MNE); DAOUD, Walid(MNE) |
| 1644 | A Joint Compression and Generation Method for Immersive Data Processing | United States | CHEN, Peilin(CS); WANG, Shiqi(CS) |
| 1645 | TCR repertoire-based machine learning for colorectal cancer diagnosis | United States | YANG, Guan(PH); ZHU, Gaochen(PH) |
| 1646 | Method for one-step synthesis of single atoms and nanoparticles co-decorated carbon nanotube arrays and application in solar-driven electrocatalytic overall water splitting | United States | ZHANG, Yuxuan(MSE); QUAN, Quan(MSE); HO, Johnny Chung Yin(MSE) |
| 1648 | 电感器和电子设备 | China | JIANG, Chaoqiang(EE); WANG, Xiaosheng*; WANG, Yibo(EE); MO, Liping(EE) |
| 1649 | 无线电能传输系统的互感和耦合参数检测方法及相关设备 | China | MO, Liping(EE); WANG, Yibo(EE); WANG, Xiaosheng*; JIANG, Chaoqiang(EE) |
| 1650 | Preparation of Ultrasmall Platinum Nanoparticles on Single-Layer Transition Metal Dichalcogenides for Hydrogen Evolution Reaction | United States | ZENG, Zhiyuan(MSE); MEI, Liang(MSE) |
| 1651 | Vacancy Functionalized MoS ₂ Nanolaminated Membranes for Efficient Sieving in Forward Osmosis | United States | YING, Ting(MSE); ZENG, Zhiyuan(MSE) |
| 1653 | Preparation of Two-Dimensional Transition Metal Dichalcogenides Nanosheets for the Super-Selective Removal of Lead from Water | United States | ZENG, Zhiyuan(MSE); MEI, Liang(MSE) |
| 1654 | MECHANISM OF ELECTROCHEMICAL LITHIUM INTERCALATION-ASSISTED EXFOLIATION OF TRANSITION METAL DICHALCOGENIDES (TMDS) | United States | ZHANG, Qingyong(MSE); ZENG, Zhiyuan(MSE) |
| 1655 | Method and Composition for Fabricating Transparent Photothermal Deicing Coating | United States | TANG, Rui(CA); LAU, Denvid(CA) |
| 1657 | Electronic Structure Modulation of Unusual Phase of Metal Nanomaterials for Catalysis | United States | FAN, Zhanxi(CHEM); WANG, Juan(CHEM) |

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| 1658 | METHOD AND SYSTEM FOR WATERMARKING IMAGES, AND METHOD AND SYSTEM FOR DETECTING A WATERMARK IN AN IMAGE | United States | LIU, Ziquan*; CHEN, Feiyu(CS); CHAN, Antoni Bert(CS) |
| 1659 | Multi-direction vibration isolation unit with an adjustable mechanism | United States | JING, Xingjian(MNE) |
| 1660 | APPARATUS FOR BATTERY VOLTAGE EQUALIZATION | United States | CHUNG, Shu Hung Henry(EE); WEI, Zhengqi(EE) |
| 1662 | Method of identifying a causal relationship | United States | CHAN, Kei Hang Katie(BMS); LIU, Jundong(EE); HE, Qian(BMS) |
| 1664 | Method of Forming Bismuth Chalcogenide Film, Terahertz Detector Having Such a Film and Method of Forming Such a Detector | United States | MENG, You(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(MSE) |
| 1665 | ELECTRODE MATERIAL, ITS PREPARATION AND USE IN SODIUM-ION BATTERY | United States | WANG, Chen Chen(CHEM); SONG, Tianyi(CHEM); LEE, Chun Sing(CHEM) |
| 1666 | Fabrication of Amorphous Subnanometric Palladium Nanostructures on Metallic Transition Metal Dichalcogenides for Hydrogen Evolution Reaction | United States | ZENG, Zhiyuan(MSE); MEI, Liang(MSE) |
| 1668 | A 3D BIOPRINTING INK FOR VISIBLE LIGHT PHOTOCURING | United States | WU, Hanbai(BME); ZHANG, Qi(BME); WANG, Cong(BME); HU, Jinlian(BME) |
| 1669 | HIGH-VOLTAGE, HIGH-POWER BATTERIES WITH DUAL-REDOX-CENTER FERROCENE-BASED ORGANIC CATHODE | United States | ZHU, Jiaxiong(MSE); LI, Pei(MSE); ZHI, Chunyi(MSE) |
| 1670 | ALL-DIELECTRIC REFLECTARRAY ANTENNA | United States | LI, Ting(EE); LEUNG, Kwok Wa(EE) |
| 1673 | BEAM SEARCH-BASED JOINT RATE-DISTORTION OPTIMIZATION ALGORITHM FOR VVC INTRA CODING | United States | ZHANG, Yingwen(CS); WANG, Shiqi(CS) |
| 1674 | Unconventional phase metal nanocatalysts for alkali metal-gas batteries | United States | ZHOU, Jingwen(CHEM); FAN, Zhanxi(CHEM) |
| 1675 | System and Methods for Multimedia Compression Based on Large Language Model | United States | WANG, Shiqi(CS); CHEN, Peilin(CS); LIU, Xiangrui(CS) |
| 1676 | TWO-DIMENSIONAL MICROSTRIP PATCH ANTENNAS AND ARRAYS WITH RADIATION PATTERN DECOUPLING | United States | LIU, Guangyao(EE); YANG, Nan*; LEUNG, Kwok Wa(EE); LUK, Kwai Man(EE) |
| 1679 | A family of single-stage non-isolated dc-dc converter with high step-down voltage ratio | China | MO, Liping(EE); WANG, Yibo(EE); REN, Sheng(EE); WANG, Xiaosheng*; JIANG, Chaoqiang(EE) |
| 1680 | Voltage-controlled Wavelength Tunable Narrowband Thin-Film Optical Detector | United States | SIN, Ching Man(MSE); TSANG, Sai Wing(MSE) |
| 1683 | ROBOTIC FISH WITH CONTROLLED BISTABLE ELASTIC PROPULSION SYSTEM | United States and others | CHAO, Xu*; JING, Xingjian(MNE) |
| 1686 | Phase-switchable preparation of solution-processable WS ₂ mono- or bi-layers | United States | ZENG, Zhiyuan(MSE); MEI, Liang(MSE) |

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| 1687 | Ultrahigh Efficiency and Selective Extraction of Gold Using Metallic Transition Metal Dichalcogenide | United States | ZENG, Zhiyuan(MSE); MEI, Liang(MSE) |
| 1688 | DENDRITE-FREE ZINC-BASED FLOW BATTERY WITH HIGH AREAL CAPACITY | United States | WANG, Shengnan(MSE); ZHI, Chunyi(MSE) |
| 1689 | An L-aptamer-ASO conjugate can specifically recognize a particular RNA G-quadruplex region and modulate gene activity | United States | KWOK, Chun Kit(CHEM); ZHAO, Haizhou(CHEM) |
| 1690 | METHODS OF TAGGING RNA MOLECULES ASSOCIATED WITH EPIGENETICALLY MODIFIED CHROMATIN IN LIVING CELLS | United States | FAN, Ligang(BMS); YAN, Jian(BMS) |
| 1691 | AN ELECTRODE THAT UNDERGOES OXIDATION REACTIONS MORE FAVOURABLY | United States | LIU, Bin(MSE); ZHANG, Wenjun(MSE) |
| 1692 | RUTHENIUM-MOLYBDENUM ALLOY NANOFLOWER PARTICLE FOR AMMONIA ELECTROSYNTHESIS | United States | FAN, Zhanxi(CHEM); WANG, Yunhao(CHEM); HAO, Fengkun(CHEM) |
| 1695 | 电子组件封装用复合材料及其制造方法 (ELECTRONIC PACKAGING POLYMERIC COMPOSITE AND ITS PRODUCTION METHOD) | China | nan |
| 1697 | A Framework for Efficient Communication between Artificial Intelligence (AI) Agents | United States | CHEN, Peilin(CS); WU, Dapeng*; WANG, Shiqi(CS) |
| 1699 | 量化任意分子构成溶剂化壳层的优先级的方法 | China | WANG, Tairan(MSE); ZHI, Chunyi(MSE); FAN, Jun(MSE) |
| 1700 | UNCONVENTIONAL PHASE HEXAGONAL PRUSSIAN BLUE ANALOGS WITH OPEN STRUCTURES | United States | FAN, Zhanxi(CHEM); YIN, Jinwen(CHEM) |
| 1701 | MANUFACTURING METHOD OF NANOMETER-SCALE FERROMAGNETIC MATERIAL AND NANOMETER-SCALE FERROMAGNETIC MANUFACTURING SYSTEM | United States | ZHONG, Xiaoyan(MSE); WANG, Qi(MSE) |
| 1703 | Liquid crystal monomer (LCM) resultant ferric nanoparticles for enhancement of wastewater treatment | United States | HE, Yuhe(E2); JIN, Qianqian(E2) |
| 1707 | 基于图分析的单电感多端口变换器拓扑推演方法 | China | JIANG, Chaoqiang(EE); MA, Tianlu(EE); WANG, Xiaosheng*; WANG, Yibo(EE); MO, Liping(EE) |
| 1708 | An AI-Enabled Green Healthcare Ecosystem | United States | WANG, Shiqi(CS); WU, Dapeng*; CHEN, Peilin(CS) |
| 1709 | OXYGEN-DOMINATED SUPRA-NANO DUAL-PHASE CATALYTIC REACTION MATERIAL ON A SUBSTRATE | United States | LYU, Fucong(MNE); LU, Jian(MNE) |
| 1711 | COPPER-BASED ELECTROCATALYSTS FOR ELECTROCATALYTIC CARBON DIOXIDE REDUCTION REACTION AND THE FABRICATION METHODS AND APPLICATIONS THEREOF | United States | FAN, Zhanxi(CHEM); LU, Pengyi(CHEM) |
| 1712 | A NOVEL SELF-POWERED ABIOTIC NITROGEN FIXATION DEVICE | United States | ZHANG, Zhenwen(MNE); XU, Qili(E2); LIN, Wenzhu(MNE); ZHANG, Zhi(MNE); WANG, Steven(MNE) |

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| 1713 | Generative Learning for Financial Time Series with Irregular and Scale-Invariant Patterns | United States | Qiao, Xiao(DS); HUANG, Hongbin(DS); CHEN, Minghua(DS) |
| 1716 | Stem-loop Structured Library for G4-SELEX-Seq: Design, Methods, and Applications | United States | Jl, Danyang(CHEM); KWOK, Chun Kit(CHEM) |
| 1718 | METHOD OF BLOCKING PHOSPHORYLATION OF PEPTIDE S78 IN TREATING EV-A71 INFECTION | United States | HE, Mingliang(BMS); WU, Mandi(BMS) |
| 1719 | IN-MEMORY COMPUTING SYSTEM AND MEMORY DEVICE | International Bureau of the WIPO | BASU, Arindam(EE); YANG, Junyi(EE); DONG, Shuai(EE); PENG, Xiaoqi* |
| 1720 | SYSTEM AND METHOD FOR ACTIVE ON-THE-FLY TRAINING FOR DEEP GRAPH LEARNING INTERATOMIC POTENTIAL | United States | ZHANG, Jun(MNE); ZHAO, Shijun(MNE) |
| 1722 | 耐用且无枝晶的水系锌电池和锌-溴液流电池 | China | WANG, Shixun(MSE); ZHI, Chunyi(MSE) |
| 1726 | A novel descriptor-based machine learning model screening process and its application in predicting boiling points | China | WANG, Tairan(MSE); ZHI, Chunyi(MSE); FAN, Jun(MSE) |
| 1728 | WIND POWER GENERATION FORECASTING | United States | ZHANG, Zijun(DS); YANG, Luoxiao(DS); ZHAO, Xinuo* |
| 1729 | Highly stable optical cavity | United States | HUQE, Md Rashedul(MSE); KWONG, Yee Man(MSE); ZAPIEN, Juan Antonio(MSE) |
| 1730 | 无线电能传输系统中的耦合系数的估计方法及设备 | China | ZHOU, Jiayu(EE); WANG, Xiaosheng*; JIANG, Chaoqiang(EE) |
| 1733 | GAIN-ENHANCED LOW-PROFILE DIELECTRIC RESONATOR ANTENNA WITH A LOADING METAL | United States | LU, Kai*; SU, Zhili(EE); LEUNG, Kwok Wa(EE) |
| 1735 | 无线电能传输系统的互感和负载电压识别电路及识别方法 | China | JIANG, Chaoqiang(EE); ZHOU, Jiayu(EE); WANG, Xiaosheng* |
| 1739 | HYBRID UNMANNED AERIAL VEHICLES INCLUDING TRIBOELECTRIC NANOGENERATORS | United States | ALMARDI, Jasim Mohamed Jasim M.(MNE); DAOUD, Walid(MNE) |
| 1748 | METHOD OF SYNTHESISING POLYOLS AND POLYURETHANE RIGID FOAMS FROM FOOD WASTE | United States | Kirpluks, Mikelis*; Fridrihsone, Anda*; QIN, Zihao(E2); LIN, Sze Ki Carol(E2) |
| 1754 | An Anomaly-free Representation Learning Approach for Efficient Railway Foreign Object Detection | United States | Wang, Tiange(DS); ZHAO, Xinuo*; ZHANG, Zijun(DS) |
| 1762 | METHODS FOR PERFORMING ELECTROCHEMICAL REACTIONS IN STRONG ACID FORMOLECULAR CATALYST | United States | SONG, Yun(CHEM); YE, Ruquan(CHEM) |
| 1770 | An AIGC Content Generation Method Combined with Compression | United States | CHEN, Peilin(CS); WANG, Shiqi(CS) |
| 1777 | A Skin-adhesive, Highly Integrated Permeable Electronic Band-Aid for Intelligent Wound Management | United States | YU, Xinge(BME); CHOW, Lung(BME); YANG, Yawen(BME); ZHANG, Qiang(BME); HUANG, Xingcan(BME) |

| DEPT CODE | NAME |
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| AC | (AC) Department of Accountancy |

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| ACE | (ACE) Architecture and Civil Engineering Research Centre |
| AERC | (AERC) Ability R&D Energy Research Centre |
| ANSD | (ANSD) Center for Advanced Nuclear Safety and Sustainable Development |
| AP | (AP) Department of Physics and Materials Science |
| BCH | (BCH) Department of Biology and Chemistry |
| BME | (BME) Department of Biomedical Engineering |
| BMS | (BMS) Department of Biomedical Sciences |
| BST | (BST) Division of Building Science and Technology |
| BTC | (BTC) Biotechnology & Health Centre |
| C3 | (C3) Community College of City University |
| CA | (CA) Department of Architecture and Civil Engineering |
| CAH | (CAH) Department of Chinese and History |
| CB | (CB) College of Business |
| CHEM | (CHEM) Department of Chemistry |
| CS | (CS) Department of Computer Science |
| CSCR | (CSCR) Centre for Smart Energy Conversion and Utilization Research |
| CTL | (CTL) Department of Chinese, Translation and Linguistics |
| CUC | (CUC) Council Secretariat |
| DCO | (DCO) Division of Applied Science and Technology, Community College of City University |
| DS | (DS) School of Data Science |
| E2 | (E2) School of Energy and Environment |
| EE | (EE) Department of Electrical Engineering |
| EF | (EF) Department of Economics and Finance |
| IAS | (IAS) Hong Kong Institute for Advanced Study |
| ICTC | (ICTC) Information and Communication Technology Centre |
| IDS | (IDS) Hong Kong Institute for Data Science |
| IS | (IS) Department of Information Systems |
| LT | (LT) Department of Linguistics and Translation |
| MA | (MA) Department of Mathematics |
| MBE | (MBE) Department of Mechanical and Biomedical Engineering |
| MEEM | (MEEM) Department of Manufacturing Engineering and Engineering Management |
| MGT | (MGT) Department of Management |

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| MNE | (MNE) Department of Mechanical Engineering |
| MS | (MS) Department of Management Sciences |
| MSE | (MSE) Department of Materials Science and Engineering |
| NPM M | (NPMM) Hong Kong Branch of National Precious Metals Material Engineering Research Center |
| NS | (NS) Department of Neuroscience |
| PH | (PH) Department of Infectious Diseases and Public Health |
| PHY | (PHY) Department of Physics |
| RSDA | (RSDA) Centre of Super-Diamond and Advanced Films |
| RSZ | (RSZ) Shenzhen Research Institute |
| SEEM | (SEEM) Department of Systems Engineering and Engineering Management |
| SI | (SI) College of Science |
| SKMP | (SKMP) State Key Laboratory of Marine Pollution (City University of Hong Kong) |
| SKMW | (SKMW) State Key Laboratory of Terahertz and Millimeter Waves (City University of Hong Kong) |
| SM | (SM) School of Creative Media |
| SS | (SS) Department of Social and Behavioural Sciences |
| VCS | (VCS) Department of Veterinary Clinical Sciences |
| VDL | (VDL) CityU Veterinary Diagnostic Laboratory Company Limited |
| VM | (VM) Jockey Club College of Veterinary Medicine and Life Sciences |
| * | Non-CityU |

(updated in 13 Aug , 2024)