

IDF	PATENT TITLE	COUNTRY/REGION	INVENTOR (DEPARTMENT - scoll down to see department code in next sheet) *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*
112	Wideband Linearization and Adaptive Power Management for Microwave Power Amplifiers	United States	LAU, Kwok Wai(EE); XUE, Quan(EE)
123	Method of in vivo Screening for Cardiac Toxic Agents Using Teleost	United States	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	HUI, Shu Yuen Ron*; LIU, Xun(EE)
151	Bit Rate Estimation in Data or Video Compression	United States	PO, Lai Man(EE); SARWER, Mohammed Golam(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)
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*
187	Apparatus and Method for Calibrating a Variable Phase Shifter	United States	WAN, Kwun Chiu(EE); XUE, Quan(EE)
194	Apparatus and Methods of Operation of Passive LED Lighting Equipment	United States	HUI, Shu Yuen Ron*; CHEN, Wu*
197	Method of Making a Porous TiO2 Photonic Film	United States	LI, Yangyang(MSE); CHENG, Jianwen(AP); TSANG, Chun Kwan(AP); XU, Zhengtao(CHEM)

203	Computer Implemented Method for Generating Binary Holograms	United States	CHEUNG, Wai Keung Kayton(EE); TSANG, Wai Ming Peter(EE)
204	Light Transmissible Resonators for Circuit and Antenna Applications	United States and others	LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE)
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	TSE, Chung Fai Norman(BST); LAU, Wing Hong Ricky(EE)
219	Solar Energy Collection Antennas	United States	LIM, Eng Hock(EE); LEUNG, Kwok Wa(EE)
221	Self-Driven AC-DC Synchronous Rectifier for Power Applications	United States	HUI, Shu Yuen Ron*; HO, Wing Choi(EE); ZHONG, Wenxing(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	HUI, Shu Yuen Ron*; CHEN, Wu*
229	Fast Generation of Holograms	United States	TSANG, Wai Ming Peter(EE); CHEUNG, Wai Keung Kayton(EE)
234	Wideband Active Quasi-Circulator	United States	MUNG, Wai Yin Steve(EE); CHAN, Wing Shing(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	CHEN, Nan(EE); CHUNG, Shu Hung Henry(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	TANG, Yongbing(AP); CHAN, Chiu Yee(CHEM); LEE, Shuit Tong(AP); FUNG, Man Keung Roy(AP); LEE, Chun Sing(CHEM)
247	Fluorescence PCR Method for Diagnosing Infection of Chlamydia Trachomatis, Neisseria Gonorrhoeae And Ureaplasma Urealyticum	China	FU, Huayang(BMS); YANG, Mengsu(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	LU, Jian(MNE); WU, Yufei(CA)
258	Automatic Switching of a Multi-Mode Projector Display Screen for Displaying Three-Dimensional and Two-Dimensional Images	China	TSANG, Wai Ming Peter(EE)
262	Rate Control for Content Transcoding	United States	KWONG, Tak Wu Sam(CS); XU, Long(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	LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE); FANG, XiaoSheng(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	HAO, Tianyong(CTL); ZHU, Chunshen(CAH)
275	Identification Tracking Method And Device Used in Conversion Between Simplified Chinese And Traditional Chinese	China	ZHU, Chunshen(CAH); HAO, Tianyong(CTL)
276	Method And Device for Punctuation Mark Conversion	China	ZHU, Chunshen(CAH); HAO, Tianyong(CTL)
277	Correction Processing Method And Correction Processing Device	China	HAO, Tianyong(CTL); ZHU, Chunshen(CAH)
279	Thermo-Electric Generator Module	United States and others	VELLAISAMY, Arul Lenus Roy(MSE); WONG, Chung Kai Joseph(CA); LEUNG, Yee Tak Andrew(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	CHIU, Leung(EE); XUE, Quan(EE)
289	Metal Nano Particle Single Layer	China	VELLAISAMY, Arul Lenus Roy(MSE); HAN, Su-Ting(AP); ZHOU, Ye(AP)
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	CHEN, Shichang(EE); XUE, Quan(EE)
294	Phased Array, A coherent Source Array, An Antenna Array And A System for Controlling Thereof	United States and others	TANG, Chengcheng(EE); XUE, Quan(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	WONG, Hang(EE); CHAN, Chi Hou(EE); LUK, Kwai Man(EE); SO, Kwok Kan(EE); XUE, Quan(EE); LAI, Hau Wah(SKMW)
304	Plasmonic Enhanced Tandem Dye Sensitized Solar Cell with Metallic Nanostructures	China	WU, Lawrence(MSE); LEE, Chun Sing(CHEM); NG, Siu Pang(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	LIU, Chain Tsuan(IAS); JIAO, Zengbao(MBE)
308	Patch Antenna	United States and others	XUE, Quan(EE); LIU, Juhua(SKMW)
309	Patch Antenna	China	XUE, Quan(EE); LIU, Juhua(SKMW)

312	Perfluoro-t-butoxy Allyl And Propargyl Ethers	China	HORVATH, Istvan Tamas(CHEM); LUI, Yuk Yu Matthew(CHEM); WONG, Kwun Chung Paul(BCH); LAU, Kai Chung(CHEM); LAW, Chung Kay Edwin(CHEM)
314	System and Method for Transmitting Data in a Network	United States	WANG, Meiqian(EE); LI, Shuo(EE); ZUKERMAN, Moshe(EE); WONG, Wing Ming Eric(EE)
315	Method and Apparatus for Depth Video Coding Using Endurable View Synthesis Distortion	United States	ZHANG, Yun(CS); KWONG, Tak Wu Sam(CS)
319	Electrical Load Driving Apparatu	China	ZHANG, Rui Hong(EE); CHUNG, Shu Hung Henry(EE)
320	Power Amplifier	United States and others	CHEN, Shichang(EE); XUE, Quan(EE)
321	Method for Separating Kukoamine	China	CHEUNG, Hon Yeung(BMS); LI, Yuan Yuan(BMS); DI, Rui(BCH)
323	Microstrip Line Filter	China	QIN, Wei(EE); XUE, Quan(EE)
326	Waveguides	United States and others	CHU, Sai Tak(PHY); PUN, Yue Bun Edwin(EE); TSUI, Ping Yuen Jacky(EE); ZHOU, Peng(AP)
327	Target Pointing System Making Use of Velocity Dependent Cursor	United States	LAU, Rynson W H(CS); AU, Kin Chung(SM); SU, Xiaojun(CS)
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	CHU, Sai Tak(PHY); TSUI, Ping Yuen Jacky(EE); ZHOU, Peng(AP)
332	Determining Faulty Nodes Via Label Propagation within Wireless Sensor Network	China	CHOW, Wai Shing Tommy(EE); ZHAO, Mingbo(EE)

333	Solar Battery And Manufacturing Method Thereof	China	LEE, Chun Sing(CHEM); FUNG, Man Keung Roy(AP); LIU, Zhen(AP); ZHANG, Xiaohong*
334	USB Power Supply	China	CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE)
339	Signal Modulating Interface for A Solid State Electronic Device	China	WANG, Jianjing(EE); CHUNG, Shu Hung Henry(EE)
341	Apparatus And A Method for Surface Processing A Metallic Structure	China	LU, Jian(MNE); LI, Ying(MNE)
344	Method of Fabricating Improved Porous Metallic Material and Resulting Structure Thereof	United States	LI, Yangyang(MSE); ZHANG, Jie(MBE); LU, Jian(MNE)
345	Etching in the Presence of Alternating Voltage Profile and Resulting Porous Structure	United States	LI, Yangyang(MSE); ZHANG, Jie(MBE); LU, Jian(MNE)
348	Light Sensor	United States	YEUNG, Sin Yu(MBE); SIU, Hoi Sing(EF); CHEUNG, Sui Pung(CSCR); LAU, Tsz Kit(MBE); WONG, Hoi Ling(CA); CHUNG, Shu Hung Henry(EE)
349	Power Amplifier Circuit for Communication Systems	United States and others	TSANG, Kim Fung(EE); SHEN, Yi(EE)
352	Structure of Energetic Materials And The Method for Preparing Thereof	China	LU, Jian(MNE); ZHANG, Kaili(MNE)
353	Fabrication and Replication of Polymer Optical Waveguides	United States	JIN, Wei(EE); CHAN, Hau Ping Andy(EE); CHIANG, Kin Seng(EE)
355	Apparatus And A Method for Electromagnetic Signal Transition	United States and others	XUE, Quan(EE); WU, Peng(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	NING, Zhi(E2); CHAN, Ka Lok(E2); WESTERDAHL, Dane(E2); WONG, Ka Chun(E2)
358	Circularly Polarized Antenna	China	WU, Peng(EE); LIAO, Shaowei(SKMW); XUE, Quan(EE)

360	Target Acquisition System for Use in Touch Screen Graphical Interface	China	LAU, Rynson W H(CS); SU, Xiaojun(CS); AU, Kin Chung(SM)
364	Electromagnetic Wave Mode Transducer	China	WU, Peng(EE); XUE, Quan(EE)
365	Current Control Apparatus	United States and others	YUEN, Kuen Faat(EE); FAN, Wing To(EE); CHUNG, Shu Hung Henry(EE)
366	Input Filter for A Power Electronic System	China	FAN, Wing To(EE); YUEN, Kuen Faat(EE); CHUNG, Shu Hung Henry(EE)
367	Power Factor Correction Circuit for a Power Electronic System	United States	FAN, Wing To(EE); YUEN, Kuen Faat(EE); CHUNG, Shu Hung Henry(EE)
368	Facilitating improved luminance uniformity in organic light emitting diode device panels	United States	YAN, Wei(CSCR)
378	Monitoring User Activity Using Wearable Motion Sensing Device	United States	CHAN, L H Leanne(EE); YAN, Hong(EE); CHING, Hong Yan(EE); CHOI, Chi Kuen(EE); CHIM, Hung(EE)
380	A System And Method for Detecting A Defect In A Structure Member	China	LAU, Denvid(CA); CHENG, Tin Kei(MBE)
381	Systems and Methods for Automated Handling of Live Organisms	United States	SHI, Peng(BME); LIN, Xudong(BME)
382	System And A Method for Performing Modal Analysis on A Structure	United States and others	HE, Yuncheng(CA); LI, Qiusheng(CA)
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	YANG, Mengsu(BMS); LIU, Dandan(BMS)
390	Nanostructured-Lattices Produced by Surface Mechanical Attrition Treatment Method	United States	LU, Jian(MNE); MAI, Phu Son*; WEN, Chunsheng(MBE)

392	Surface Mechanical Attrition Treatment (SMAT) Methods and Systems for Modifying Nanostructures	United States and others	LI, Yangyang(MSE); LEE, Christopher Michael(MBE); LU, Jian(MNE)
393	LED Lighting Circuit	United States and others	CHUNG, Shu Hung Henry(EE); ZHANG, Rui Hong(EE)
394	Shorted Bowtie Patch Antenna with Parasitic Shorted Patches	China	CHAN, Chi Hou(EE); LUK, Kwai Man(EE); LAI, Hau Wah(SKMW); MAK, Ka Ming(SKMW)
395	Sorbent Material and a Method for Enhancing Sorption Performance Thereof	United States	WONG, Fu Lung(CHEM); TANG, Yongbing(AP); CHAN, Chiu Yee(CHEM); LEE, Chun Sing(CHEM)
396	Dual Polarized High Gain And Wideband Complementary Antenna	United States and others	WONG, Hang(EE); CHAN, Chi Hou(EE); LUK, Kwai Man(EE); SO, Kwok Kan(EE); LAI, Hau Wah(SKMW)
397	Differential Planar Aperture Antenna	United States	WU, Peng(EE); LIAO, Shaowei(SKMW); XUE, Quan(EE)
398	Aperture-Coupled Microstrip-Line Feed for Circularly Polarized Patch Antenna	United States	LAI, Hau Wah(SKMW); MAK, Ka Ming(SKMW); CHAN, Chi Hou(EE); LUK, Kwai Man(EE)
399	Electronic Device for Data Storage And A Method of Producing An Electronic Device for Data Storage	China	ZHOU, Ye(AP); HAN, Su-Ting(AP); VELLAISAMY, Arul Lenus 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)
404	A Medium for a Dental Structure	United States	NIU, Xinrui(MNE); LU, Jian(MNE); CHEN, Bing(E2)
409	A Complementary Antenna And An Antenna System	United States and others	LUK, Kwai Man(EE); LI, Yujian(EE)
414	A Method and Apparatus for Matching Buyers with Sellers in a Marketplace to Facilitate Trade	United States and others	ZHENG, Liang(CS); TAN, Chee Wei(CS)



418	Quadrature Voltage Controlled Oscillator	China	ZHANG, Haiwei(EE); SHUM, Kam Man(SKMW); XUE, Quan(EE)
419	Electronic Apparatus for Use in A Communication System	China	LAM, Wai Lun(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW)
420	Impedance Matching Arrangement for Amplifier And Amplifier	China	ZHANG, Haiwei(EE); SHUM, Kam Man(SKMW); XUE, Quan(EE)
421	Facilitation of Increased Locking Range Transistors	United States and others	SHUM, Kam Man(SKMW); XUE, Quan(EE); ZHOU, Haifeng(SKMW)
422	Patch Antenna	United States	LI, Yujian(EE); LUK, Kwai Man(EE)
423	Copper Substituted Compound, Cathode of Battery Comprising Same, And Battery Comprising Such Cathode	United States and others	KANG, Wenpei(AP); YU, Yau Wai Denis(E2); LEE, Chun Sing(CHEM)
424	Antenna	China	LEUNG, Kwok Wa(EE); PAN, Yongmei(EE); GUO, Lei(EE)
425	Phosphorescent Transition Metal Complex, Its Preparation And Use	United States and others	LO, Kam Wing Kenneth(CHEM); LIU, Huawei(CHEM); LEE, Cho Cheung(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, Arul Lenus 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	HUANG, Yan(MSE); HUANG, Yang(AP); ZHI, Chunyi(MSE)
432	Multivariate Cryptography Based on Clipped Hopfield Neural Network	United States and others	WANG, Jia(EE); CHENG, Lee Ming(EE)

433	An Antenna	United States and others	FENG, Li Ying(EE); LEUNG, Kwok Wa(EE)
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	LAU, Rynson W H(CS); CHAN, Antoni Bert(CS); PANG, Xufang(CS); CAO, Ying(CS)
436	Nanoparticles, Method of Preparing The Same And Their Use	United States	WONG, Fu Lung(CHEM); ZHANG, Jinfeng(CHEM); ZHANG, Xiaohong*; LEE, Chun Sing(CHEM)
440	Polyelectrolyte, Production And Use Thereof in Energy Storage Devices	United States and others	ZHI, Chunyi(MSE); HUANG, Yan(MSE)
441	Material For Use In A Battery, A Battery And A Method Of Manufacturing A Material For Use In A Battery	China	LI, Yingshun(AERC); YU, Yau Wai Denis(E2)
442	Substrate for A Three-dimensional Cell Culture, Its Preparation And Use	United States and others	SHEN, Yajing(BME); WAN, Wenfeng(MBE); DAI, Gaole(MBE)
443	System And Method for Manipulating An Object for Imaging	United States and others	SHEN, Yajing(BME); ZHANG, Lijun(MBE); WAN, Wenfeng(MBE)
445	Structural Panel, A Structural 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	NIU, Xinrui(MNE); HU, Yonglong(MBE); KAI, Ji-jung(MNE)
448	A Material for An Electronic Device	United States and others	LI, Yangyang(MSE); LU, Jian(MNE); WANG, Aiwu(MNE)
449	Facilitation of Increased Bandwidth for a Low Noise Amplifier	United States and others	SHUM, Kam Man(SKMW); XUE, Quan(EE); QIN, Pei(EE)
450	Method for Treating Surface of Metallic Structure	United States and others	LI, Yangyang(MSE); ZHAN, Yawen(MNE); LU, Jian(MNE)

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	CHAN, Wai Ming(EE); KIM, Taejoon(EE); DONG, Miaomiao(EE)
453	An Electric Device for Detecting Pressure	United States and others	SUN, Qijun(MSE); VELLAISAMY, Arul Lenus Roy(MSE); ZHUANG, Jiaqing(AP)
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	XUE, Quan(EE); LIAO, Shaowei(SKMW); BISHARAT, Dia'aaldin J.(EE)
458	A Multistable Structure and a Method for Making Thereof	United States and others	YI, Shenghui(CA); LU, Jian(MNE); HE, Xiaoqiao(CA)
459	Electrochemical Detector	United States and others	VENKATESH, Shishir(MSE); LI, Tan(CA); VELLAISAMY, Arul Lenus Roy(MSE)
461	System And Method for Load Balancing in A Data Network	United States and others	WANG, Peng(CS); XU, Hong(CS)
462	Composite Negative Material Adopting Three-dimensional Porous Carbon to Coat Silicon And Preparation Method Thereof	China	YUEN, Muk Fung(MSE); ZHANG, Wenjun(MSE); ZOU, Rujia(AP)
465	A Thermostat Apparatus And A Temperature Regulation System	China	CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE); LAI, Chun Tak(EE); LAI, Chun Tak*; YEUNG, Shun Cheung(EE)

466	Thermostat Apparatus And Temperature Regulation System	China	CHAN, Yau Chung(CA); YEUNG, Shun Cheung(EE); LAI, Chun Tak*; TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE); LAI, Chun Tak(EE)
467	A Thermostat Regulation System And A Power Regulation Apparatus	China	CHAN, Yau Chung(CA); YEUNG, Shun Cheung(EE); LAI, Chun Tak*; TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE); LAI, Chun Tak(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	WONG, Wing Ming Eric(EE); FU, Jing(EE); GUO, Jun(EE); MORAN, William*; ZUKERMAN, Moshe(EE)
472	Efficiently Generating a High Quality Patterned-Phase-Only Hologram for Display on a Single Device	United States	TSANG, Wai Ming Peter(EE); CHOW, Yuk Tak(EE)
474	Optochemical Detector and a Method for Fabricating an Optochemical Detector	United States	NG, Siu Pang(MSE); LAW, Hui Lun Anton(AP); QIU, Guangyu(MSE); WU, Lawrence(MSE)
478	A Navigation Assistance System	Hong Kong	LI, Tsz Kan(CB); LAI, Chi Fai(IS); NGAI, Lok Yi Anthy(SS); TSE, Pui Yee Eva(SS); CHAU, Yin Chi Gigi(AC); CHAN, Ka Lee(SS); TSE, Ka Pik(IS); CHEUNG, Terence C.H.(CB); CHEUNG, Chak Chung Ray(EE)
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	YAN, Wenrong(MSE); HO, Derek(MSE); TIAN, Yi(MSE); WEI, Liping(MSE)
481	An Electronic System for Creating an Image and a Method of Creating an Image	United States	LAM, Miu Ling(SM); CHEN, Bin(SM); HUANG, Yaozhun(BME); TSANG, Sze Chun(MGT)
482	Kit and a Method for Determining the Presence or Amount of a Target Nucleic Acid Sequence in a Sample	United States	CHEN, Ting Hsuan(BME); ZHAO, Zichen(MBE); CHEN, Shan(MBE); AU IEONG, IEONG Ka I(MBE)
484	Emissions Treatment Apparatus and a Method for Treating Emissions	United States	WONG, Chung Kai Joseph(CA); LAU, Siu Chuen(MSE); VELLAISAMY, Arul Lenus 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	SHEN, Yajing(BME); LU, Haojian(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); VELLAISAMY, Arul Lenus Roy(MSE); ZHUANG, Jiaqing(AP)
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	SUN, Dong(BME); WANG, Ran(MBE); CHOW, Yu Ting(MBE)
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	LU, Jian(MNE); WU, Ge(MNE)

498	A Circuit Arrangement for use in a Power Conversion Stage and a Method of Controlling a Power Conversion Stage	United States	WANG, Kewei(EE); CHUNG, Shu Hung Henry(EE)
499	An Electrochemical Detector	United States and others	VENKATESH, Shishir(MSE); VELLAISAMY, Arul Lenus Roy(MSE); YEUNG, Chi Chung(CHEM)
501	Counter-rotating vertical axis wind turbine with deflector and vortex generators	United States	LAM, Heung Fai(CA); PENG, Hua Yi(CA)
502	Method of Fabricating Nanoporous Metal Structure	United States	XU, Yi(MSE); YIU, Pak Man(AP); SHEK, Chan Hung(MSE)
503	Small-Interfering RNA Expression Systems for Production of Small-Interfering RNAs and Their Use	United States and others	KAUR, Guneet(E2); HUANG, Lin Feng(BMS); REN, Yu Tian(VM); CHEUNG, Hung Chi(BMS)
504	Systems and Methods for Privacy-Assured Similarity Joins Over Encrypted Datasets	United States	WANG, XinYu(CS); WANG, Cong(CS); NUTANONG, Sarana(CS); YUAN, Xing Liang(CS); YU, Chen Yun(CS)
505	Luminogenic Transition Metal-based Pyridyl Complex and Its Use	United States	LO, Kam Wing Kenneth(CHEM); LIU, Huawei(CHEM); LEE, Cho Cheung(CHEM); TANG, Siu Ming(BCH)
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	ZHU, Guangyu(CHEM); MA, Lili(CHEM)
508	Cubic Boron Nitride Coating Cutter And Preparation Method Thereof	China	ZHANG, Wenjun(MSE); HE, Bin(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	ZHU, Kun(PHY); CHU, Sai Tak(PHY)

513	Method for Preparing Hierarchically Porous Doped Carbon Material and its use	United States	ZHI, Chunyi(MSE); PEI, ZengXia(MSE)
514	High Entropy Alloy Thin Film Coating and Method for Preparing The Same	United States	LU, Yang(MNE); LIAO, Weibing(MBE)
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 Performacne of an Electrosurgical Tool	United States	LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE)
517	Cerium Oxide Coating, Its Preparation and Use	United States	LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE); SHI, Zhen(MBE)
518	Electrochemical Detector	United States and others	CHUNG, Kam Sing(MSE); LAU, Siu Chuen(MSE); VELLAISAMY, Arul Lenus Roy(MSE); YEUNG, Chi Chung(CHEM); LAM, Hon Wah Michael(CHEM)
519	Systems and Methods Providing Anti-counterfeiting with MULti-mode Luminescent Nanotaggants	United States	WANG, Feng(MSE); SUN, Tian Ying(MSE); CHEN, Xian(AP)
520	Method for Operating a Distributed Key-Value Store	United States	WANG, XinYu(CS); YUAN, Xing Liang(CS); GUO, Yu(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	LI, Yangyang(MSE); LU, Jian(MNE); ZENG, Shan Shan(MNE)
523	大数据处理流程模块化管理及装置	China	XU, Chang(CS); JIA, Wen Long(CS); LI, Shuaicheng(CS)
524	Isolated Carbon Particle Embedded Diamond-like Carbon Coating	United States	LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM); ZIA, Abdul Wasy(MNE)

526	Energy Absorbing Device	United States	LU, Jian(MNE); GAO, Yuan(MNE); TANG, Tao(NPMM); YAO, Lu(MNE)
527	Energy Absorbing Device	United States	GAO, Yuan(MNE); TANG, Tao(NPMM); 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	ZHANG, Jia(CS); KWONG, Tak Wu Sam(CS)
532	Method of Producing Poyunsaturated Fatty Acid	United States	KONG, Yuen Chong Richard(CHEM); TSE, Man Chak(BCH); CHI, Kai Kin(BCH); YEUNG, Sin Yu(MBE); SO, Lok Man(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); LIAO, Shaowei(SKMW); WU, Liang(SKMW)
536	Adhesive System. Method of Manufacture Thereof and Biological Kit Comprising Same	United States	WANG, Zuankai(MNE); ZHAO, Yan Hua(MNE); WU, Yang(MBE); WANG, Liang(MBE)
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	ZHAO, Jianliang(IS); XU, Ruiyun(IS); CHEN, Hai Liang(IS)



540	Electronic Storage System and a Method of Data Management	United States	WANG, Cong(CS); YUAN, Xing Liang(CS); CAI, ChengJun(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	LAU, Wing Hong Ricky(EE); LIU, Chun For(EE); CHUNG, Shu Hung Henry(EE)
543	A Gesture Recognition Apparatus and Components Thereof	United States	SIDDIQUI, 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	LAI, Wing Fu(AP); ROGACH, Andrey(MSE)
546	System and Method for Ankle Rehabilitation	United States	SHEN, Yajing(BME); LU, Haojian(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	DAOUD, Walid(MNE); LEUNG, Kwok Hi Michael(E2); XU, Yan(E2)
553	Electric circuit arrangement and a method for generating electric current pulses to a load	United States	TUNG, Chung Pui(EE); CHEUNG, Sui Pung(CSCR); CHOW, Po Wah Jeff(EE); FAN, Wing To(EE); CHUNG, Shu Hung Henry(EE)
555	Method for Determining Optimal Laying Arrangement of Infrastructure Link	United States	CUCKER, Felipe(MA); Wang, Gang*; TAHCHI, Elias*; WANG, Yu(CA); ZUKERMAN, Moshe(EE); GUO, Jun(EE); MORAN, William*; WANG, ZengFu(EE); WANG, Qing(EE)
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	SHU, Lei(MSE); FANG, Ming(MSE); HO, Johnny Chung Yin(MSE)
560	System And Method for Controlling A Switching Network of A Power Regulation Circuit	United States	CHUNG, Shu Hung Henry(EE); YEUNG, Shun Cheung(EE); FAN, Wing To(EE)
561	Systems And Methods for Robust Low-rnk Matrix Approximation	United States	SO, Hing Cheung(EE); Chen, Jia Yi*; ZENG, Wenjun(EE)
562	Method of Producing Antibody Fragment	United States and others	CHAN, Lai Leo(SKMP); SHI, Jiahai(BMS); WEI, Likun(BMS); FENG, Li Min(SKMP)
564	Wireless Optogenetic Device and Associated Radiation System	United States	LIN, Xudong(BME); Liu, Ming*; 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 Fabricationg 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	WU, Jingjin Timothy(EE); WONG, Wing Ming Eric(EE); ZUKERMAN, Moshe(EE); GUO, Jun(EE)
570	Base Station Sleep Mode Based on Powder Consumption And/or Quality of Service	United States	CHAN, Yin Chi(EE); ZUKERMAN, Moshe(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	WANG, Wen*; ZHANG, Zhi MIng*; GUO, Liang(MNE); 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)
576	METHOD OF DETERMINING TARGET NUCLEIC ACID	United States	WANG, Xin(BMS); SHI, Peng(BME); WANG, Zixun(BME); HUANG, Lin Feng(BMS); ZHANG, Wenjun(MSE)
578	Dielectric Resonator Antenna	United States	LEUNG, Kwok Wa(EE); PAN, Yongmei(EE); GUO, Lei(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	CHUNG, Shu Hung Henry(EE); HE, Yuanbin(EE); LAI, Chun Tak(EE)
585	System and method for manipulating deformable objects	United States	PAN, Jia(BME); HU, Zhe(BME)
586	Plantium Comple, its preparation and Therapeutic Use	United States	ZHU, Guangyu(CHEM); WANG, Zhi Gang(CHEM); XU, Zou Feng(CHEM)
588	Battery System And A Method of Forming A Battery	United States	YU, Yau Wai Denis(E2); WANG, Hui Min(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	LIU, Mei Jin(BMS); YAO, Xi(BMS)
593	Aerial System And A Method of Controlling An Aerial System	United States	CHIRARATTANANON, Pakpong(BME); HSIAO, Yi Hsuan(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); AU, Wai Ting Doris(CHEM); LAM, Yun Wah(SI)
596	Doherty Power Amplifier Circuit	United States	Fang, Xiao Hu*; ZHOU, Xinyu(EE); Zheng, Shao Yong*; HO, Derek(MSE); CHAN, Wing Shing(EE)
598	Conductive yarn-based nickel-zinc textile batteries	United States	TANG, Zi Jie(MSE); HUANG, Yan*; ZHI, Chunyi(MSE)
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	SO, Hing Cheung(EE); ZENG, Wenjun(EE); Chen, Jia Yi*; Zoubir, Abdelhak M.*
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	LEUNG, Kwok Wa(EE); GUO, Lei(EE); YANG, Nan(EE)
605	Antenna Assembly	United States	TSANG, Kim Fung(EE); LEUNG, Kwok Wa(EE); GUO, Lei(EE)
606	Method for Constructing A Printed Ceramic Object And A Ceramic Object Constructed by The Same	United States and others	LIU, Guo(MNE); LU, Jian(MNE)
610	Systems and Methods Using a Wearable Sensor for Sports Action Recognition and Assessment	United States	LI, Wen Jung(MNE); CHAN, Ho Man(EE); ZHANG, Guanglie(MNE); WANG, Yufan(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	LI, Yangyang(MSE); LU, Jian(MNE); ZHAN, Yawen(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	ZHI, Chunyi(MSE); LIANG, Guojin(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	ZHI, Chunyi(MSE); WANG, Zifeng(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	WANG, Qing(EE); TAHCHI, Elias*; MORAN, Bill*; ZUKERMAN, Moshe(EE); WANG, ZengFu(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	ZHI, Chunyi(MSE); MA, Longtao(MSE)
629	System and method for processing data and managing information	United States	ZHENG, Yifeng(CS); WANG, Cong(CS); CAI, ChengJun(CS)
630	Systems And Method for Four-dimensional Printing of Elastomer or Elastomer-derived Ceramic Structures by Compressive Buckling-induced Method	United States and others	ZHAO, Yan(MNE); LU, Jian(MNE); LIU, Guo(MNE)
631	Deformation method 4-D printed elastomer derived ceramic	United States and others	LU, Jian(MNE); ZHAO, Yan(MNE); LIU, Guo(MNE)

633	Method for Processing Electronic Data	United States	SO, Hing Cheung(EE); ZENG, Wenjun(EE); Chen, Jia Yi*; Zoubir, Abdelhak M.*
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	CHUNG, Shu Hung Henry(EE); HONG, Yiwen Kelvin(EE); GARAJ, Martin(EE)
638	Method and an Apparatus for Producing a Film of Carbon Nitride Material	United States	TIAN, Haoran(PHY); XIONG, Wei(PHY); HUANG, Miaoyan(PHY); ZHANG, Ruiqin(PHY)
639	METHOD AND A SYSTEM FOR ANALYZING NEUROPHARMACOLOGY OF A DRUG	United States	WANG, Xin(BMS); LIN, Xudong(BME); SHI, Peng(BME)
640	System and Method for Analyzing Survivability of an Infrastructure Link	United States	TAHCHI, Elias*; WANG, Zengfu*; ZUKERMAN, Moshe(EE); WANG, Qing(EE); MORAN, William*
641	Guide RNA Molecule And Method for Treating Cancer	United States	WANG, Xin(BMS); HU, Jianyang(BMS); CHIN, Rebecca Y M(BMS)
644	High Entropy Alloy Structure and a Method of Preparing the Same	United States	HE, Quanfeng(MNE); DING, Zhaoyi(MNE); YANG, Yong(MNE)
646	Optical Printed Circuit Board and Its Fabrication Method	United States	JIN, Wei(EE); LOR, Kar Pong(EE); CHIANG, Kin Seng(EE); CHAN, Hau Ping Andy(EE)
647	Convolutional Neural Network Based Sythesized View Quality Enhancement for Video Coding	United States	KWONG, Tak Wu Sam(CS); ZHANG, Yun(CS); ZHU, Linwei(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); VELLAISAMY, Arul Lenus Roy(MSE); YEUNG, Chi Chung(CHEM); 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	WANG, Zifeng(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE); ZHI, Chunyi(MSE)
655	Low Temperature Operable Electrical Energy Supply Device	United States	ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); MO, Fu Nian(MSE); LI, Hongfei(MSE)
656	High Entropy Alloy Structure and a Method of Preparing the Same	United States	HE, Quanfeng(MNE); DING, Zhaoyi(MNE); YANG, Yong(MNE)
659	HYDROGEL ELECTROLYTE HAVING MULTIPLE CROSSLINKED STRUCTURES AND AN ENERGY STORAGE DEVICE INCLUDING SUCH ELECTROLYTE	United States	ZHI, Chunyi(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE); MA, Longtao(MSE)
661	A Method of Forming a Composite Material and a Composite Material	United States and others	LU, Yang(MNE); FAN, Rong(MNE)
663	System and Method for Rendering An Image	United States	CHAN, Ho Man(EE); SHE, She(EE); LIU, Qi(EE)
664	Soft Body Robotic Device	United States	SHEN, Yajing(BME); YANG, Xiong(BME); LU, Haojian(BME)
668	Method of Presenting Flight Data of an Aircraft and a Graphical User Interface for Use with the Same	United States	CHARRUAUD, Florent(SEEM); LI, Lishuai(DS); 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	ZHI, Chunyi(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE); WANG, Yukun(MSE)
675	Nanostructured Colour Film Having Dual-phase First Layer And/or Amorphous Metallic Second Layer	United States	LU, Jian(MNE); WU, Ge(MNE); BU, Yu(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	WU, Shuilin(MSE); ZHANG, Wenjun(MSE); ZHANG, Kaili(MNE)
677	Electrical Energy Storage Apparatus and a Method of Preparing the Same	United States	ZHI, Chunyi(MSE); MA, Longtao(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE)
678	System And Method For Gaza Estimation	United States	SU, Dan(MNE); LI, You Fu(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	NIU, Xinrui(MNE); XU, Bo(MNE)
682	System and Method for Determining an Optimal Path Arrangement of an Infrastructure Link Network	United States	ZUKERMAN, Moshe(EE); WANG, Qing(EE); MORAN, William*; WANG, Zengfu*
683	Electromedical Apparatus, a Method for Manufacturing the Electromedical Apparatus and a Method for Deploying the Electromedical Apparatus	United States	XU, Yuanhao(EE); PANG, Stella W.(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	SUN, Dong(BME); LIAO, Pan(BME); XING, Liuxi(BME)
686	Imaging And Manipulation of Biological Sample	United States	SUN, Dong(BME); GAO, Wendi(BME)
687	Entropy-Stabilized Ceramic Thin Film Coating, Method for Preparing the Same, and Component Coated with the Same	United States and others	HE, Quanfeng(MNE); LI, Yangyang(MSE); BIAN, haidong(MNE); LI, Zebiao(MNE); LU, Jian(MNE); YANG, Yong(MNE)



688	Dual-band Antenna for Global Positioning System	United States	REN, Jian(EE); SUN, Yuxiang(ICTC); LEUNG, Kwok Wa(EE)
689	An Electrical Energy Storage Device and a Method of Preparing the Same	United States	LI, Hongfei(MSE); TANG, Zi Jie(MSE); LIU, Zhuoxin(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	LI, Yangyang(MSE); ZHOU, Binbin(CityUSRI); SHEN, Junda(MNE); LU, Jian(MNE)
692	Energy Storage Device, An Electrode for An Energy Storage Device, And A Method of Fabricating The Electrode	United States	WANG, Donghong(MSE); LIANG, Guojin(MSE); TANG, Zi Jie(MSE); ZHI, Chunyi(MSE)
694	Substrate-Integrated Device And Method for Making The Same	United States	KREMER, Hauke Ingolf(EE); LEE, Wai Ki(EE); LEUNG, Kwok Wa(EE)
695	Multi-band Antenna	United States	REN, Jian(EE); SUN, Yuxiang(ICTC); LEUNG, Kwok Wa(EE)
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*; WU, Yi-Shiun*; CHEN, Taizhou(SM)
698	Torque Measurement System	United States	YANG, Zhengbao(MNE)
699	Energy Storage Device and a Method of Preparing The Device	United States	LI, Xinliang(MSE); ZHI, Chunyi(MSE); YANG, Qi(MSE); MA, Longtao(MSE)
700	A Facile Method for The Large Area Synthesis of Geometrically Two Dimensional Metals And Ceramics	United States	HE, Quanfeng(MNE); YANG, Yong(MNE); WANG, Tianyu(MNE); DING, Zhaoyi(MNE)

703	PIM1 Inhibitors for Use in Treatment of Viral Infection And Pharmaceutical Compositions Thereof	United States	CHEN, Ying(BMS); WAN, Qianya(VM); ZHOU, Fanghang(BMS); HE, Mingliang(BMS)
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	KWAN, Kin Chung(SM); FU, Hongbo(SM)
710	System and Method for Counting Objects	United States	CHAN, Antoni Bert(CS); ZHANG, Qi(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	YAO, Xi(BMS); YI, Bo(BMS)
715	Catalyst And A Wastewater Treatment Method	United States	WANG, Qing(MNE); LU, Jian(MNE); JIA, Zhe(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)
718	Energy Storage Device And An Electrode for An Energy Storage Device	United States	ZHAO, Yuwei(MSE); TANG, Zi Jie(MSE); MA, Longtao(MSE); ZHI, Chunyi(MSE)
720	Planar Complementary Antenna And Related Antenna Array	United States	LUK, Kwai Man(EE); ZENG, Jingtao(EE)
722	一种粒子堆积型生物胶黏剂及其制备与应用	China	HOU, Changshun(VM); YAO, Xi(BMS)
723	Video Quality Determination System And Method	United States	KWONG, Tak Wu Sam(CS); ZHANG, Yun(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); LEUNG, Kwok Wa(EE); YANG, Nan(EE)
729	Neurostimulation System And Method for Modulating Abnormal Motor Movement	United States	KUMAR, Gajendra(NS); TIN, Chung(BME); MA, Chi Him Eddie(NS)

731	METHOD OF CONSTRUCTING A MICROMECHANICAL DEVICE	United States	LU, Yang(MNE); WANG, Yue Jiao(MNE); GAO, Libo(MNE); FAN, Su Feng(MNE)
732	Antenna And Related Communication Device	United States	FENG, Li Ying(EE); LEUNG, Kwok Wa(EE)
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	CHAN, Wai Ming(EE); SO, Hing Cheung(EE); KOK, Chi Wah(EE); TAM, Wing Shan(EE)
739	Electrochemical Detector	United States	VELLAISAMY, Arul Lenus 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); CHEUNG, Chak Chung Ray(EE); ULLAH, Zahid*
743	Electron Gun And Apparatus Incorporating The Same	United States	CHEN, Fu-Rong(MSE); HSUEH, Yu-Chun(MNE); LI, Pei En*; TSENG, Ying Shuo*
745	Imaging Apparatus And Related Control Unit	United States	CHEN, Fu-Rong(MSE); LI, Pei En*; TSENG, Ying Shuo*
747	Supramolecular Polymer Composition And Method of Preparation Thereof	United States and others	YAO, Xi(BMS); LU, Gang(E2)
748	Method for Treating A Surface of A Metallic Structure	United States	LI, Yangyang(MSE); SHEN, Junda(MNE); ZHOU, Binbin(CityUSRI); OU, Weihui(MNE); ZHAO, Chenghao(MSE); LU, Jian(MNE)
749	Compound for Use in An Optoelectronic Device Including A Heterojunction	United States	JEN, Alex Kwan Yue(MSE); XU, Zhengtao(CHEM); ZHU, Zonglong(CHEM)

750	FILTER-ANTENNA AND METHOD FOR MAKING THE SAME	United States and others	YANG, Nan(EE); LIU, Yan Ting(EE); 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); WANG, Zuankai(MNE); ZHENG, Huanxi(MNE)
753	System And Method for Determining Layout of Wireless Communication Network	United States	LIU, Jianqing(DCO); WONG, Wing Ming Eric(EE)
755	Electromechanical Sensor, A Method of Producing Such Sensor And A Wearable Device Including Such Sensor	United States	LI, Xiaoting(BME); LAI, Wai Chiu King(BME)
756	A Transmission Device	China	ZHAO, Hang(E2); LIU, Chunhua(E2)
757	Method of Producing An Aptamer And Uses Thereof	United States	KWOK, Chun Kit(CHEM); CHAN, Chun Yin(CHEM)
760	Method of Preparing Metal Nitride, Electrocatalyst with The Metal Nitride And Use Thereof	United States	LIU, Bin(MSE); ZHANG, Wenjun(MSE)
761	Energy Storage Apparatus And Electrolyte for Use in The Apparatus	United States	TANG, Zi Jie(MSE); MO, Fu Nian(MSE); LIANG, Guojin(MSE); ZHI, Chunyi(MSE)
762	Method for Manipulating an Energy Storage Device	United States	GUO, Ying(MSE); TANG, Zi Jie(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE)
766	Methods And Kits for Detecting Exosomal Protein	United States	YANG, Tian(NS); WU, Lawrence(MSE); LEE, Youngjin(NS); THAKUR, Abhimanyu(NS); NG, Siu Pang(MSE); QIU, Guangyu(MSE); XU, Chen(MSE)
768	System And Method for Detecting A Target Enzyme	United States	ZHOU, Chuanwen(CHEM); LAM, Hon Wah Michael(CHEM); LAM, Yun Wah(SI)

769	Parallel-Plate Antenna	United States	LEUNG, Kwok Wa(EE); LU, Kai(EE)
770	Horn Antenna	United States	YANG, Nan(EE); LU, Kai(EE); LEUNG, Kwok Wa(EE)
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	MA, Wan San Victor*; LAW, Wing Lun(PHY); CHO, Chi Shing*; CHEUK, Wah*; YUAN, Yixuan*; LAU, Condon(PHY)
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	XU, Chen(MSE); NG, Siu Pang(MSE); WU, Lawrence(MSE); LEE, Youngjin(NS); THAKUR, Abhimanyu(NS)
782	Method of Preparing Graphdiyne-based Material And A Substrate for Use in Such Material Preparation Process	United States	TANG, Zi Jie(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE); GUO, Ying(MSE)
784	Battery And Method of Manufacturing Thereof	United States and others	CHEN, Ao(MSE); TANG, Zi Jie(MSE); ZHI, Chunyi(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	DENG, Xin(BMS); SHAO, Xiaolong(BMS); WANG, Tingting(BMS); XIE, Yingpeng(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(EE); DING, Chen(EE)
790	Determination of Gain Characteristics of A Linaly-polarized Antenna	United States	LUK, Kwai Man(EE); DING, Chen(EE)

791	Determining Flow Speed Based on Photoacoustic Imaging And Sensing	United States	WANG, Lidai(BME); LIU, Chao(BME)
795	An Oscillator Circuit	United States	ZHOU, Haifeng(SKMW); CHAN, Chi Hou(EE); SHUM, Kam Man(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	LI, Yuanlong(EE); PANG, Stella W.(EE); LUK, Kwai Man(EE); ZHU, Shuyan(EE)
798	Infrastructure Link Path Arrangement Determination Method And System	United States	WANG, Xinyu(EE); WANG, Zengfu*; WANG, Qing(EE); MORAN, William*; LEUNG, Fu Chu(EE); TAHCHI, Elias*; ZUKERMAN, Moshe(EE)
799	SEISMIC HAZARD DETERMINATION METHOD AND SYSTEM	United States	SUN, Yanni(EE); WANG, Xinyu(EE); WANG, Yu(CA); ZUKERMAN, Moshe(EE); WANG, Qing(EE); Wang, Gang*; MORAN, William*; WANG, Zengfu*
800	A Method for Preparing A Solar Cell And A Solar Cell	China	HAO, Weizhong*; YI, Shenghui(CA); ZHAO, Jinjin*; SU, Xiao*; PAN, Lulu(MNE); LU, Jian(MNE)
803	Wideband Omnidirectional Dielectric Resonator Antenna	United States	LU, Kai(EE); LEUNG, Kwok Wa(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	WANG, Manting(SKMW); CHAN, Chi Hou(EE)
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, Chi Hou(EE); CHAN, Ka Fai(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	ZHANG, Liang(BMS); SUN, Hongyan(CHEM); XIE, Yusheng(CHEM); WANG, Rui(BMS)
824	Self-regenerated Hybrid Dehumidifier with Air Purification	United States	CHEN, Siru(E2); HO, Tsz Chung(E2); LEE, Hau Him(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)
830	An Electrolyte for An Energy Storage Apparatus And The Energy Storage Apparatus Comprising The Electrolyte	United States	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); LIANG, Guojin(MSE); ZHI, Chunyi(MSE)
831	An Apparatus for Processing Air in An Indoor Environment	United States	LAI, Chi Keung Alvin(CA)
833	Therapeutic Potential of Glycopyrrolate And Mexiletine for Nervous System Injury	United States	AU, Ngan Pan(NS); MA, Chi Him Eddie(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	IRFAN, Muhammad(EE); ULLAH, Zahid*; CHEUNG, Chak Chung Ray(EE)
836	Power Amplifier	United States	CHEN, Shichang*; ZHOU, Xinyu(EE); FENG, Wen Jie*; CHAN, Wing Shing(EE)
837	Method for Arranging Base Stations in A Communication Network	United States	DAI, Lin(EE); ZHANG, Yue(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); OR, Siu Hong(CA); WONG, Chun Kit(DCO)
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	CHUNG, Dukhyun(MNE); YANG, Yong(MNE); SHUANG, Shuo(MNE)
843	Apparatus And Method of Processing Audio Signals	United States	SCHNUPP, Jan(NS); CAPPOTTO, Drew(NS)
844	APPARATUS AND A METHOD FOR PATTERNING BIOLOGICAL CELLS	United States	LUO, Tao(MBE); FAN, Lei(BME); SUN, Dong(BME)
847	Method for Determining Wireless Communication Network Layout	United States	DONG, Miaomiao(EE); WONG, Wing Ming Eric(EE); WU, Jingjin Timothy(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	ZHANG, Tianlong(MSE); LIU, Chain Tsuan(IAS)
854	Artificial Neural Network Configuration And Deployment	United States	LI, Qiao(CS); CUI, Yufei(CS); XUE, Chun Jason(CS); CHAN, Antoni Bert(CS); YAO, Wuguannan(MA); LIU, Ziquan(CS); KUO, Tei-wei(CS)
855	Energy Generation And Energy Recycling	United States	WANG, Hongbo(MNE); WANG, Steven(MNE)
857	Heat Sink with Counter Flow Diverging Microchannels	United States	JIANG, Xingchi(MNE); PAN, Chin(MNE); ZHANG, Shiwei(MNE)



858	Magnetically-drivable Microrobot	United States and others	WANG, Lidai(BME); SUN, Dong(BME); CHEN, Shuxun(BME); LI, Dongfang(BME); ZHANG, Yachao(BME); WEI, Tanyong(BME)
859	LOW-DOSE RADIATION THERAPY FOR TRAUMATIC BRAIN INJURY AND STROKE	United States	AU, Ngan Pan(NS); MA, Chi Him Eddie(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	XU, Chenjie(BME); CHANG, Hao(BME); CHEN, Peng*
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	LO, Raymond(MSE); ZHAO, Qi(CHEM); LEE, Chun Sing(CHEM); LI, Shengliang(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	LI, Yangyang(MSE); WANG, Hao(MNE); XU, Zhengtao(CHEM); LU, Jian(MNE)
879	Method for Fabricating Zinc Oxide Nanostructures And Gas Sensors	United States	WANG, Ying(MSE); HO, Derek(MSE)
881	Method of Fabricating A Material for Use in Catalytic Reactions	United States	LI, Yangyang(MSE); LU, Jian(MNE); MA, Feixiang(MNE)
882	Power Amplifier Circuit	United States	ZHOU, Xinyu(EE); CHAN, Wing Shing(EE)
883	Wideband Doherty Power Amplifier	United States	CHAN, Wing Shing(EE); ZHOU, Xinyu(EE)

884	Method for Preparing Ceramic Materials	United States	LI, Yangyang(MSE); ZHANG, Guobin(MNE); DU, Peng(MNE); ZHONG, Jing(MNE); LU, Jian(MNE); 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	SHI, Shuo(BME); HU, Jinlian(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	HU, Jinlian(BME); SHI, Shuo(BME)
893	AN OPEN-APERTURE WAVEGUIDE FED SLOT ANTENNA	United States	GUO, Qingyi(E2); WONG, Hang(E2)
894	RFID-Based Sensing Method And System	United States	nan; CHUNG, Shu Hung Henry(E2)
895	An Electronic Sensing Apparatus And A Method of Producing The Electronic Sensing Apparatus	United States	YU, Xinge(BME); HE, Jiahui(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(E2)
901	Radiative Cooling Paint And Method for Covering A Surface with The Radiative Cooling Paint	China and others	BAI, Shengxi(E2); CHEN, Siru(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2); CHAO, Luke Christopher(E2); LIN, Kaixin(E2); HO, Tsz Chung(E2)
902	Hetero-stiffness Robotic Device	United States	WANG, Panbing(BME); SHEN, Yajing(BME); YANG, Xiong(BME); SHI, Jiahai(BMS)
903	A Zinc-Selenium Battery Compatible with Both Organic And Aqueous Electrolytes	United States	LI, Xinliang(MSE); ZHI, Chunyi(MSE); YANG, Qi(MSE); CHEN, Ze(MSE)
906	Human-Machine Interaction Device	United States	LIU, Yiming(BME); YU, Xinge(BME); YIU, Chun Ki(BME)

908	THERMOCHROMIC COMPOSITE MATERIAL, ITS PREPARATION AND USE	United States	LIU, Sai(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2); HO, Tsz Chung(E2)
911	Method for Converting Inanimate Object to Small-scale Robot On-demand	United States	SHEN, Yajing(BME); YANG, Xiong(BME)
912	An Artificial Zinc Fluoride Solid Electrolyte Interlayer Enabled Commercial-Level Aqueous Zn Metal Batteries	United States	ZHI, Chunyi(MSE); MA, Longtao(MSE)
913	A Composite Material And A Water Purifying System	United States	LI, Shengliang(CHEM); HUANG, Zhongming(CHEM); WAN, Yingpeng(CHEM); LEE, Chun Sing(CHEM)
915	Photo-activatable Compound, Its Preparation And Therapeutic Use	United States	XIAO, Yafang(CHEM); LEE, Chun Sing(CHEM); LI, Shengliang(CHEM); CHEN, Wencheng(CHEM)
916	A System And Method for Generating A Stained Image	United States and others	HUI, Tik Ho(PHY); CHEN, Zhen(EE); MARASHLI, Mohamad Ali(PHY); HILL, Fraser Ian(VDL); CHO, Chi Shing*; CHEUK, Wah*; PANI, Anupam(PHY); YUAN, Yixuan*; LAW, Wing Lun(PHY); LAU, Condon(PHY)
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	YANG, Jingwei(EE); WANG, Cheng(EE)
924	Fog-based Electrical Power Generator And Self-Powered System	United States	YAO, Xiaoxue(MNE); LING, Chen(MNE); WANG, Steven(MNE); WANG, Zuankai(MNE); WONG, Yat Hei(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	YAO, Xi(BMS); HUANG, Xin(BMS); CAO, Chunyan(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	NASSER, Arshad(SM); ZHU, Kening(SM)
939	ELECTRICAL CIRCUIT FOR REDUCING ELECTROMAGNETIC NOISE OR INTERFERENCE IN A POWER CONVERTER	United States and others	WANG, Kewei(EE); CHUNG, Shu Hung Henry(EE)
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)
943	Leaky-Wave Antenna	United States	WU, Gengbo(EE); CHAN, Chi Hou(EE); CHAN, Ka Fai(EE)
944	Method of Stable Lasso Model Structure Learning to Build Inferential Sensors	United States	QIN, S Joe(DS); LIU, Yiren(DS)
946	System And Method for Adaptively Streaming Video	United States	WEI, Xuekai(CS); KWONG, Tak Wu Sam(CS); ZHOU, Mingliang(CS)
947	Video Streaming Method And System	United States	ZHOU, Mingliang(CS); KWONG, Tak Wu Sam(CS); WEI, Xuekai(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	HUANG, Rundong(E2); SONG, Zaixin(E2); LIU, Chunhua(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	AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(BMS); AU-YEUNG, Allan Sung King(BMS); YANG, Mengsu(BMS); NG, Ka Ki(BMS)
966	Omnidirectional Dielectric Resonator Antenna	United States	YANG, Nan(EE); LIU, Xi-Yao(EE); LEUNG, Kwok Wa(EE)
967	Electrically Small, Planar, Horizontally Polarized Dual-band Omnidirectional Antenna	United States	HU, Pengfei(EE); PAN, Yong Mei*; ZHENG, Shao Yong*; LEUNG, Kwok Wa(EE)
968	A Method of Isolating And Detecting Exosomal Biomarkers of Glioblastoma Malignancy	United States	LI, Wing Kar(BMS); LEE, Youngjin(NS); THAKUR, Abhimanyu(NS)
969	Methods And Compositions for Synthesis of Two-photon Cleavable Phosphoramidite Molecules for Oligonucleotide Conjugation	United States	LO, Pik Kwan Peggy(CHEM); TAM, Dick Yan(CHEM); LIU, Ling Sum(CHEM)
972	Cathode Material	United States	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE); CHEN, Ze(MSE)
973	Mxene-cladded Zinc Particles And An Electrode Thereof	United States	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE); YANG, Qi(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)
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	ZHANG, Wenqi(BME); DONG, Lixin(BME)
981	一种锂离子电池低温电解液及锂离子电池	China	LIU, Qi(PHY); LUO, Dong(PHY)
982	Tri-frequency Multi-polarisation Omnidirectional Antenna	United States	HU, Pengfei(EE); LEUNG, Kwok Wa(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	WANG, Biao(MNE); YANG, Zhengbao(MNE)
987	Secure Web Framework	United States	WANG, XinYu(CS); DU, Yuefeng(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	CHEN, Siru(E2); ZHU, Yihao(E2); LEE, Hau Him(E2); ZENG, Yijun(MNE); DU, Yuwei(E2); CHAO, Luke Christopher(E2); LIN, Kaixin(E2); HO, Tsz Chung(E2); TSO, Chi Yan(E2)
992	Wearable Three-dimensional Auricular Multi-point Acquisition, Health Status Monitoring, And Bio-stimulation Device	United States	LI, Wen Jung(MNE); CHAN, Ho Yin(MNE); HUANG, Qingyun(MNE)
993	Platinum(IV) Complexes, Methods of Manufacture, Compositions Containing, and Methods of Use Thereof	United States and others	ZHU, Guangyu(CHEM); DENG, Zhiqin(CHEM)
996	Method And Systems for Genome Sequence Compression	United States	SUN, Zhenhao(CS); WANG, Meng(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS)
997	A Signage Structure Monitoring System And A Signage Structure Monitoring Platform	Hong Kong	OR, Siu Hong(CA); FUNG, Wing Hong(CA); CHENG, Chi Yung(ACE)
998	A COMPACT MEMBRANE-BASED THERMOCHEMICAL ENERGY STORAGE SYSTEM	United States	SUI, Yunren(E2); SUI, Zengguang(E2); DING, Zhixiong(E2); ZHAI, Chong(E2); WU, Wei(E2)

999	A Compact Membrane-based Absorption Heat Pump	United States	SUI, Yunren(E2); SUI, Zengguang(E2); ZHAI, Chong(E2); DING, Zhixiong(E2); WU, Wei(E2)
1000	METHOD OF PROVIDING A WRINKLE PATTERN OR PRODUCING A SUBSTRATE HAVING A WRINKLE PATTERN OF A SINGLE LAYER	United States	LY, Thuc Hue(CHEM); CHEN, Honglin(CHEM); HUANG, Lingli(CHEM)
1001	Novel Compositional Complex Zr-based Bulk Metallic Glasses with Good Mechanical Properties And Thermal Stability	United States	HE, Quanfeng(MNE); ZHANG, Zhibo(MNE); ZHOU, Ziqing(MNE); YANG, Yong(MNE)
1002	Stretchable and Wearable Wireless 3-leads ECG Monitoring Apparatus	United States	ZHOU, Jingkun(BME); LIU, Yiming(BME); YU, Xinge(BME)
1004	A MOF-based membrane based on the post-modification of MOF and preparation method thereof	China	LYU, Dong(E2); YAO, Xi(BMS)
1005	Fast-track Negative Pressure Isolation System for Respiratory Infectious Disease Control	United States and others	DENG, Wei(MNE); LING, Chen(MNE); WANG, Steven(MNE); WANG, Zuankai(MNE); CHAN, Chak Keung(E2)
1006	High-Attenuation Wideband Active Common-Mode EMI Filter Section	United States	ZHANG, Kun(E2); CHUNG, Shu Hung Henry(E2)
1007	MILLIMETER-WAVE END-FIRE MAGNETO-ELECTRIC DIPOLE ANTENNA	United States	LI, Ao(E2); LUK, Kwai Man(E2)
1009	PRIME-NUMBER-BASED PARALLEL SOLVER FOR ENGINEERING DESIGN OPTIMIZATION PROBLEMS OF POLYNOMIAL FORMS WITH INTEGER VARIABLES	United States	KUO, Way(IAS); WANG, Mingming(MS); nan; CHEN, Youhua Frank(MS)
1011	METHODS FOR SYNTHESIZING METAL-CARBON COMPOSITE OF A CORE-SHELL STRUCTURE	United States	ZHANG, Jingyang(MNE); WANG, Tianyu(MNE); YANG, Yong(MNE); PARK, Minhyuk(MNE); YU, Qing(MNE)
1014	WIRELESS RECHARGEABLE AND PORTABLE ANTI-MICROBIAL RESPIRATOR	United States	DENG, Wei(MNE); WANG, Steven(MNE); YE, Ruquan(CHEM)

1015	Biosensing Device for Detecting Cancer	United States	LI, Wing Kar(BMS); LIU, Linlin(MSE); WU, Lawrence(MSE); LEE, Youngjin(NS); THAKUR, Abhimanyu(NS)
1016	SUBSTRATE INTEGRATED WAVEGUIDE-FED FABRY-PEROT CAVITY FILTERING WIDEBAND MILLIMETER WAVE ANTENNA	United States	HU, Haotao(SKMW); CHAN, Chi Hou(EE)
1017	半胱氨酸强化的重组蜘蛛丝及其制备方法和应用	China	ZHANG, Qi(BME); HU, Jinlian(BME)
1018	UNIDIRECTIONAL MOISTURIZING NANOFIBER FACIAL MASK SUBSTRATES WITH ASYMMETRIC WETTABILITY AND PREPARATION THEREOF	United States and others	SI, Yifan(BME); GUO, Chunxia(BME); SHI, Shuo(BME); HU, Jinlian(BME)
1019	System And Method for Measurement And Assessment of Depth of Anesthesia in A Subject Based on Electroencephalography	United States	CHAN, L H Leanne(EE); CHOWDHURY, Mehdi Hasan(EE); CHEUNG, Chak Chung Ray(EE); ELDALY, Abdelrahman B. M. (EE); AGADAGBA, Stephen Kugbere(EE)
1020	Method for Forming Piezoelectric Films on Surfaces of Arbitrary Morphologies	United States	LIU, Shiyuan(MNE); YANG, Zhengbao(MNE)
1021	System and Method for Updating, Modifying and Managing Engineering and Construction Contracts in a Blockchain Network	Hong Kong	FUNG, Wing Hong(CA); OR, Siu Hong(CA); KWOK, Ho Yin(CA)
1023	METHOD AND SYSTEM FOR MACHINE LEARNING AND DEEP LEARNING BASED ASSESSMENT OF STROKE	Hong Kong	WAN, Tsz Kin(BMS); CHAN, Kei Hang Katie(BMS); HUANG, Ruixuan(EE); LIU, Jundong(BMS); WOO, Yat Ming Peter*
1026	Cable Path Planning Method And Apparatus	United States	WANG, Xinyu(EE); WANG, Zengfu*; ZUKERMAN, Moshe(EE); TAHCHI, Elias*
1027	5V-class Flexible All-in-one Solid Lithium Ion Batteries	China	CHEN, Ao(MSE); LI, Xinliang(MSE); CHEN, Ze(MSE); ZHI, Chunyi(MSE)



1029	Underwater Vehicle with Front-rear Distributed Drive	United States	WANG, Panbing(BME); SHEN, Yajing(BME); SHI, Jiahai(BMS); YANG, Xiong(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	CHOWDHURY, Mehdi Hasan(EE); HUNG, Siu Ying Patrick*; SANKA, Abdurrashid Ibrahim(EE); IRFAN, Muhammad(EE); CHEUNG, Chak Chung Ray(EE)
1034	3-D-Printed Wideband High-Gain Circularly Polarized Dielectric Resonator Antenna	United States	LEUNG, Kwok Wa(EE); XIA, Zhen-Xing(EE)
1035	Deep Learning-based Optimal Power Flow Solution with Applications to Operating Electrical Power Systems	United States	CHEN, Minghua(DS); HUANG, Wanjun(DS); PAN, Xiang*
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	CHEN, Zhou(MNE); WAN, Lei(MNE); MAO, Zhengyi(MNE); LU, Jian(MNE)
1043	Cable Network Regional Connectivity Planning Method And Apparatus	United States and others	WANG, Tianjiao(EE); WANG, Zengfu*; ZUKERMAN, Moshe(EE); MORAN, Bill*
1046	WATER-SOLUBLE UNIDIRECTIONAL MOISTURE TRANSPORT TRADITIONAL CHINESE MEDICINE FACIAL MASK AND PREPARATION THEREOF	United States	SHI, Shuo(BME); HU, Jinlian(BME); GUO, Chunxia(BME); SI, Yifan(BME)
1047	Methods for Online Peak-Demand Reduction of Large-Load Users with Energy Storage Discharging	United States	CHEN, Minghua(DS); QIN, S Joe(DS); MO, Yanfang(IDS); LIN, Qiulin(DS)
1048	TATTOO-LIKE STRETCHABLE TRIBOELECTRIC NANOGENERATOR FOR ENERGY HARVESTING	United States	WONG, Tsz Hung(BME); LIU, Yiming(BME); YU, Xinge(BME)

1049	Image to Image Translation Method	United States	HUANG, Jialu(CS); LIAO, Jing(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	LEE, Wai Kwan(EE); CHUNG, Shu Hung Henry(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)
1059	TNA-BASED PROBE FOR DETECTING AND IMAGING A TARGET miRNA IN LIVING CELLS	United States	WANG, Fei(CHEM); LIU, Ling Sum(CHEM); LO, Pik Kwan Peggy(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	ZHI, Chunyi(MSE); HUANG, Zhaodong(MSE); LI, Xinliang(MSE)
1061	Methods And Apparatus for Microagent Control	United States	SUN, Dong(BME); LI, Dongfang(BME); XING, Liuxi(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	CHUNG, Shu Hung Henry(EE); GARAJ, Martin(EE)
1066	Unsupervised Domain Adaptive Model for 3D Prostate Zonal Segmentation	United States	GUO, Xiaoqing(EE); YUAN, Yixuan*
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	MAI, Xiaochun(EE); YUAN, Yixuan*
1069	Graph-based Prostate Diagnosis Network And Method for Using The Same	United States	CHEN, Zhen(EE); YUAN, Yixuan*

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(CS); 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); CHO, Carmen C.M.*; CHIU, Bernard Chi Yuen(EE); JIANG, Mingjie(EE)
1078	MICROFLUIDIC CHAMBER, MICROFLUIDIC DEVICE CONTAINING A WATER PURIFICATION SYSTEM, AND A WATER PURIFICATION METHOD	United States	KHOO, Bee Luan(BME); CHEN, Chun Kwan(BME)
1079	Flexible Sweat-Activated Graphene Coated Ni foam-based Mg-O2 Battery in Stretchable Microelectronics for Continuous Biomarkers Monitoring	United States	HUANG, Xingcan(BME); LIU, Yiming(BME); YU, Xinge(BME)
1080	SALT-ASSISTED PHASE TRANSFORMATION OF TRANSITION METAL DICALCOGENIDES	United States and others	LAI, Zhuangchai(CHEM); ZHANG, Hua(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	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); CHEN, Ze(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)
1084	Fingertip-Motion Sensing Device and Handwriting Recognition System Using the Same	United States	ZHOU, Jingkun(BME); LIU, Yiming(BME); YU, Xinge(BME)
1085	Method for Fabricating a Cryomicroneedle, and a Cryomicroneedle Fabricated According Thereto, and Methods of Use Therefor	United States and others	XU, Chenjie(BME); ZHENG, Mengjia(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	SU, Yupei(BME); JIANG, Yuanzhang*; SHI, Shuo(BME); 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	SHI, Shuo(BME); JIANG, Yuanzhang*; HU, Jinlian(BME); SU, Yupei(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	WANG, Wenxiong(E2); SUN, Anqi*
1091	CORE-SHELL NANOPARTICLES, METHODS OF PRODUCING THE SAME, AND USES THEREOF FOR DETECTING EXTRACELLULAR POLYMERIC SUBSTANCES	United States	YAN, Neng(E2); WANG, Wenxiong(E2)
1092	A method for deterministic encapsulation of single cells in hydrogel particles based on cell metabolism	United States and others	ZHOU, Xiaoyu(BMS); WANG, Yuan(BMS); YANG, Mengsu(BMS); HOU, Xuhua(BTC)
1093	A cell cryopreservation protective composition, system, method and application of the same	China	ZHOU, Xiaoyu(BMS); WANG, Yuan(BMS); YANG, Mengsu(BMS)
1096	SENSOR DEVICE, SYSTEM AND METHOD FOR DETERMINING RODENT BAIT CONSUMPTION	Hong Kong	CHAN, Sheung Long(EE); CHENG, Chun Sing(EE); CHUNG, Shu Hung Henry(EE)
1097	RAPID DETECTION OF ZINC PYRITHIONE BY SERS	United States	LI, Yangyang(MSE); ZHONG, Jing(MNE); SHEN, Junda(MNE); LU, Jian(MNE); OU, Weihui(MNE)
1098	ABSORPTION VACUUM DEHUMIDIFICATION SYSTEM AND METHOD USING THE SAME	United States	FONG, Kwong Fai Square(CA); LEE, Chun Kwong(CA)
1099	Medical Implant with Controllable Electro-mechanical Interactions at A Material/Bacteria Interface	United States	TANG, Kaiwei(PHY); MENG, Zheyi*; WANG, Guomin(PHY); 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	HUANG, Wei(BMS); LAM, Hiu Wai Raymond(BME)

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	United States	LAM, Hiu Wai Raymond(BME); LIU, Yi(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	HU, Pengfei(EE); LEUNG, Kwok Wa(EE)
1112	BIFUNCTIONAL SEPARATOR, BATTERIES CONTAINING, AND METHOD OF MANUFACTURE THEREOF	United States	HOU, Yue(MSE); ZHI, Chunyi(MSE); CHEN, Ze(MSE)
1113	COMPACT WIDEBAND LOW-PROFILE DIELECTRIC RESONATOR ANTENNAS	United States	KREMER, Hauke Ingolf(EE); LEE, Wai Ki(EE); LEUNG, Kwok Wa(EE)
1115	FLEXIBLE SMELL GENERATING DEVICE AND METHODS FOR USE THEREOF	United States	LIU, Yiming(BME); YU, Xinge(BME); YIU, Chun Ki(BME); SHI, Rui(BME)
1116	A CARBON NANOWIRE, A FABRIC, A MANUFACTURING METHOD THEREFOR, AND AN ADDITIVE FOR A FABRIC	United States	SUN, Mingzhe(E2); WANG, Tianqi(E2); SHANG, Jin(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); WANG, Tianqi(E2); SHANG, Jin(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	SUN, Mingzhe(E2); WANG, Tianqi(E2); SHANG, Jin(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	LIU, Lelin(BME); LAM, Hiu Wai Raymond(BME)
1126	METHODS AND KITS FOR DETECTING VIRUS	United States	ZHAO, Xi(BME); WANG, Zixun(BME); Ji, Xianglin(BME); SHI, Peng(BME)

1127	MEMBRANE-BASED DESORPTION COOLING METHOD FOR PASSIVE THERMAL MANAGEMENT	United States	SUI, Yunren(E2); SUI, Zengguang(E2); ZHAI, Chong(E2); WU, Wei(E2); DING, Zhixiong(E2); LIN, Haosheng(E2); LI, Fuxiang*
1128	MICRO-ELECTROPORATION BASED DRUG DELIVERY SYSTEM, METHODS FOR USE AND FABRICATION THEREOF	United States	WANG, Yuan(BME); QU, Jin(BME); HE, Xingdao(BME); DUAN, Suling(BME); XIE, Kai(BME); SHI, Peng(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)
1130	Method of Treating Breast Cancer in a Subject by Inhibiting TUBB2B	United States	HU, Jianyang(BMS); HE, Qingling(BMS); CHIN, Rebecca Y M(BMS)
1131	GRADIENT METALLIC STRUCTURE AND SURFACE TREATMENT TO PRODUCE A GRADIENT METALLIC STRUCTURE	United States	LI, Yangyang(MSE); ZHOU, Binbin(CityUSRI); SHEN, Junda(MNE); 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	QU, Jin(BME); SHI, Peng(BME); XIE, Kai(BME)
1138	Multi-functional Hydrogel materials for electrical recording, drug encapsulation, and controlled drug release	United States	QU, Jin(BME); SHI, Peng(BME); XIE, Kai(BME)
1139	ULTRA-FLAT AND LOW-FRICTION METALLIC GLASS FILM AND A METHOD FOR PREPARING THE SAME	United States	GU, Jialun(MNE); LU, Jian(MNE); BAO, Yan(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	OR, Siu Hong(CA); CHEUNG, Yik Ming(ACE); Zhao, Shi Hui*; NG, Kwai Fung*; FUNG, Wing Hong*; LIM, C W(CA)
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	WONG, Eric Hong Jian(NS); YANG, Sungchil(NS)
1144	PATCH ANTENNA	United States	LUK, Kwai Man(EE); SUN, Jie(EE)
1145	Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease Prognosis	United States	KHOO, Bee Luan(BME); LI, Wei(BME); HUA, Haojun(BME)
1146	一种锂离子电池低温电解液及其制备方法	China	LIU, Qi(PHY); FANG, Yongjin(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	DAOUD, Walid(MNE); WANG, Lingyun(MNE)
1151	单向导湿静电纺丝纤维膜及其制备方法	China	SHI, Shuo(BME); HU, Jinlian(BME); SI, Yifan(BME)
1153	ECOLOGICALLY ENHANCED ECO-TILE AND METHOD OF PRODUCTION	United States and others	ASTUDILLO PLACENCIA, Juan Carlos(SKMP); POON, Chi-sun*; LEUNG, Mei Yee Kenneth(CHEM)
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); ZHANG, Pingping(CS); WANG, Shiqi(CS)
1163	PREPARATION OF SINGLE-CRYSTAL LAYERED CATHODE MATERIALS FOR LITHIUM- AND SODIUM-ION BATTERIES	United States	ZHU, He(PHY); LIU, Qi(PHY)

1166	METHOD AND ELECTRONIC DEVICE FOR RECOVERING DATA USING BI-BRANCH NEURAL NETWORK	United States	LI, Xiaopeng(EE); SO, Hing Cheung(EE); WANG, Maolin(DS)
1167	计时器及其显示面板、显示面板的制造方法	China	TSAI, Din-ping(EE); CHEN, Mu Ku(EE); LIU, Xiaoyuan(SKMW)
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	CHEN, Mu Ku(EE); ZHANG, Jingcheng(EE); TSAI, Din-ping(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	TSANG, Wai Ming Peter(EE); LAM, Ho Sang(EE)
1171	Method of Flocculation Using A Metal-Organic-Framework	United States	LI, Yiling*; WANG, Wenxiong(E2)
1172	一种高维量子随机数阵列产生系统	China	CHEN, Mu Ku(EE); FAN, Yubin(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, Xinyu(EE); GUO, Chao(EE); WANG, Tianjiao(EE); WANG, Zengfu*; ZUKERMAN, Moshe(EE); MORAN, Bill*
1184	PIEZOELECTRIC BIO-ORGANIC FILMS AND FABRICATION METHOD THEREOF	United States	LI, Xuemu(MNE); ZHANG, Zhuomin(MNE); YANG, Zhengbao(MNE)
1185	Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease	China	KHOO, Bee Luan(BME); HUA, Haojun(BME); LI, Wei(BME)
1186	ANTENNA	United States	GU, Pengfei*; XIA, Zhen-Xing(EE); LEUNG, Kwok Wa(EE)
1187	Method and System for Generating a 3D Image of a Body Shape	United States	HO, Wing Cheong Daniel(MA); LIU, Hongyu(MA)



1188	SIDEBAND-FREE SPACE-TIME-CODING METASURFACE ANTENNAS	United States	WU, Gengbo(EE); DAI, Junyan(SKMW); 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)
1191	Mobile AR Prototyping for Proxemic and Gestural Interactions with Real-world IoT Enhanced Spaces	United States	YE, Hui(SM); FU, Hongbo(SM)
1192	BRAIN DISEASE THERAPY ENHANCING INHIBITION OF GABAERGIC NEURONS	United States	REN, Junming*; YANG, Yujie*; HE, Jufang(NS); HE, Ling(NS)
1193	RECOMBINANT AAV VECTORS AND GENE THERAPIES FOR TREATING BRAIN DISEASES	United States	LAU, Siu Hin(NS); ZHANG, Ge(NS); CHEN, Xi(BMS); SHI, Heng(NS); YOON, Ezra Ginn(NS); HE, Jufang(NS); HE, Ling(NS); YANG, Yujie*
1194	SINGLE-ATOMICALLY DISPERSED METAL / UNCONVENTIONAL-PHASE TRANSITION-METAL DICHALCOGENIDE NANOSHEET HYBRIDS AND METHODS OF PREPARATION AND USE THEREOF	United States	SHI, Zhenyu(CHEM); ZHANG, Hua(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	TSAI, Din-ping(EE); CHEN, Mu Ku(EE); YAO, Jin(EE)
1196	基于超构器件的照明系统及其制造方法	China	SUN, Linshan(EE); CHEN, Mu Ku(EE); TSAI, Din-ping(EE)
1197	METHOD OF CONTROLLING THE OUTPUT OF AN INDUSTRIAL PROCESS	United States	QIN, S Joe(DS); LIU, Yiren(DS)
1199	TWO-DIMENSIONAL SCALABLE RADIATOR ARRAY	United States	GAO, Liang(EE); CHAN, Chi Hou(EE)
1200	Leg-based Wearable System with Propeller-based Force Feedback for Walking in Fluids in VR	United States	ZHU, Kening(SM); CAI, Shaoyu(SM); GAO, Haichen(SM); KE, Pingchuan(SM)
1202	HIGH-EFFICIENCY QUANTITATIVE CONTROL OF MITOCHONDRIAL TRANSFER BASED ON DROPLET MICROFLUIDICS	United States	SUN, Jiayu(BMS); SUN, Dong(BME)
1204	EXPLOITATION OF STATE-COUPPLING, DISTURBANCE, AND NONLINEARITIES FOR SUSPENSION SYSTEM CONTROL	United States	JING, Xingjian(MNE); ZHANG, Menghua*

1205	RADIATOR FOR TERAHERTZ ELECTROMAGNETIC RADIATION	United States	GAO, Liang(EE); CHAN, Chi Hou(EE)
1209	ELECTROCATALYST HAVING QUASI-TWO-DIMENSIONAL METAL NANOSHEET HAVING TURING STRUCTURE MORPHOLOGY	United States	GU, Jialun(MNE); LI, Lanxi(MNE); LU, Jian(MNE)
1210	逆向流型的双层同心圆管的热交换器	China	JIANG, Xingchi(MNE); PAN, Chin(MNE)
1211	METHODS OF THE ULTRA-CLEAN TRANSFER OF TWO-DIMENSIONAL MATERIALS	United States	LIU, Haijun(CHEM); LY, Thuc Hue(CHEM)
1213	ALLOY AND FABRICATION THEREOF	United States	YANG, Yong(MNE); WANG, Hang(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	SHI, Chao(CA); WANG, Yu(CA)
1216	OPTICAL PRINTED CIRCUIT BOARD AND ITS FABRICATING METHOD	United States	JIN, Wei(EE); CHAN, Hau Ping Andy(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)
1218	PASSIVE RADIATIVE COOLING CERAMIC	United States	CHEN, Siru(E2); LIN, Kaixin(E2); HO, Tsz Chung(E2); ZHU, Tong(E2); ZHU, Yihao(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2)
1219	RADIATIVE COOLING INTERFACE FOR WEARABLE ELECTRONIC DEVICE	United States and others	FU, Yang(E2); YU, Xinge(BME); LEI, Dangyuan(MSE); LI, Jiyu(BME)
1221	ELECTROSTIMULATION BASED DRUG DELIVERY SYSTEM AND METHOD FOR USING THEREOF	United States	XU, Chenjie(BME); YU, Xinge(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	BASU, Arindam(EE); YANG, Junyi(EE)

1232	CONFINED MIGRATION MICROFLUIDIC DEVICE FOR CELL CULTURE AND DRUG SCREENING	United States	YANG, Zihan(BMS); ZHOU, Zhihang(BMS); YANG, Mengsu(BMS); SI, Tongxu(BMS); ZHOU, Zhengdong(BMS)
1233	SOLDER ALLOY COMPOSITION, ITS PREPARATION METHOD AND USES IN ROOM-TEMPERATURE RAPID SOLID-STATE SOLDERING	United States	nan; TU, King Ning(MSE)
1234	MATERIALS AND METHOD FOR TRAPPING LEAD LEAKAGE IN PEROVSKITE SOLAR CELLS	United States	JEN, Alex Kwan Yue(MSE); ZHU, Zonglong(CHEM); LI, Zhen(CHEM)
1235	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	FU, Yang(E2); MA, Xue(MSE); LEI, Dangyuan(MSE)
1241	HIGH PHASE-PURITY GROWTH OF 1T'-TRANSITION METAL DICHALCOGENIDE MONOLAYERS	United States	LI, Zijian(CHEM); ZHAI, Li(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); LI, Wen Jung(MNE); JIA, Boliang(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)

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	THI, Quoc Huy(CHEM); LY, Thuc Hue(CHEM); LIU, Haijun(CHEM)
1262	SARS-CoV-2 Rapid Detection Device	United States and others	ZHOU, Jingkun(BME); YU, Xinge(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	SU, Zhili(SKMW); LU, Kai*; LEUNG, Kwok Wa(EE)
1267	PATTERN RECONFIGURABLE ANTENNA	United States and others	YANG, Nan(EE); LEUNG, Kwok Wa(EE); LIU, Xi-Yao(EE)
1268	HORN ANTENNA AND LENS FOR HORN ANTENNA	United States and others	ZHANG, Zhiyi(EE); LU, Kai(EE); LEUNG, Kwok Wa(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	ZHANG, Pingping(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS)
1271	COVALENT ORGANIC FRAMEWORK AND ENERGY STORAGE DEVICE	United States and others	ZHANG, Qichun(MSE); LEE, Chun Sing(CHEM); WANG, Chen Chen(CHEM); XU, Shen(MSE)
1272	Sample-in-result-out closed microfluidic module for nucleic acid molecular POCT detection	United States and others	AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(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); CHEN, Mu Ku(EE); LIU, Xiaoyuan(SKMW)

1276	PROCESSING AND ENCODING SCREEN CONTENT VIDEO	United States and others	KWONG, Tak Wu Sam(CS); CHEN, Yi(CS); WANG, Shiqi(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	HUANG, Jianpan(BME); CHAN, Wai Yan Kannie(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	REN, Jincan(PHY); LIU, Qi(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	LIU, Qi(PHY); HUANG, Yalan(PHY)
1284	USE OF HISTAMINE ANTAGONISTS AND GLUCOCORTICOID FOR TREATING AND PREVENTING NEURODEGENERATIVE DISEASES	United States	MA, Chi Him Eddie(NS); XU, Yijun(NS)
1285	MICROFLUIDIC-BASED MODULAR SWEAT	China and others	LIU, Yuanchao(MNE); 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	MENG, You(MSE); HO, Johnny Chung Yin(MSE); WANG, Weijun(MSE); WANG, Wei(MSE)
1291	HIGHLY-EFFICIENT FULL VAN DER WAALS 1D p-Te/2D n-Bi2O2Se	United States	MENG, You(MSE); WANG, Wei(MSE); HO, Johnny Chung Yin(MSE); WANG, Weijun(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	MENG, You(MSE); WANG, Weijun(MSE); WANG, Wei(MSE); HO, Johnny Chung Yin(MSE)
1295	WIDEBAND HIGH-GAIN OMNIDIRECTIONAL BICONICAL ANTENNA FOR MILLIMETER-WAVE	United States and others	ZHANG, Zhiyi(EE); LEUNG, Kwok Wa(EE); LU, Kai*
1298	SYSTEM AND METHOD FOR DETERMINING AN OPTIMAL SUBMARINE PATH FOR AN INFRASTRUCTURE LINK IN TWO LOCATIONS OF A TARGET REGION	United States	WANG, Xinyu(EE); WANG, Zengfu*; ZUKERMAN, Moshe(EE); WANG, Tianjiao(EE)
1299	A SERVER AND A RESOURCE SCHEDULING METHOD FOR USE IN A SERVER	United States and others	GUO, Chao(EE); WANG, Tianjiao(EE); ZUKERMAN, Moshe(EE)
1300	Mutation-Independent Gene Knock-In Therapy Targeting 5' UTR	United States and others	LIAO, Baoshan(BMS); HOANG, Anc Duc(BMS); XIONG, Wenjun(BMS)
1302	A CuWO4 Hollow Nanosphere and Methods of Making Thereof	United States	ZHANG, Shaoce(MSE); QUAN, Quan(MSE); BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE); CHEN, Dong(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	CAO, Chunyan(BMS); YAO, Xi(BMS); AI, Liqing(BMS)
1304	GOLD-COPPER ALLOY NANOSTRUCTURE AND METHOD FOR SYNTHESIZING THE SAME	United States and others	ZHOU, Xichen(CHEM); ZHANG, An(CHEM); ZHANG, Hua(CHEM)
1305	SYSTEM AND METHOD FOR FACILITATING MACHINE-LEARNING BASED MEDIA COMPRESSION	United States and others	LIN, Rongqun(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS)
1306	BIOSENSING SYSTEM AND METHOD FOR IN-SITU DETERMINATION OF METASTASIS IN A SAMPLE	United States	FU, Yatian(BME); ZHANG, Jing(BME); KHOO, Bee Luan(BME); LI, Wei(BME)

1307	CATALYST FOR SOLAR-DRIVEN ELECTROCATALYTIC OVERALL WATER SPLITTING AND METHODS OF MAKING AND USING THEREOF	United States	QUAN, Quan(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(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	ZHU, Yuntian(MSE); YANG, Tao(MSE); HUANG, Jacob Chih-Ching(IAS); ROMERO RESENDIZ, Liliana(MSE)
1310	THIN FILM BASED STRUCTURE, RELATED FLEXIBLE ELECTRONIC DEVICE AND THEIR METHOD OF MAKING	United States	LIU, Shiyuan(MNE); YANG, Zhengbao(MNE)
1313	ARTIFICIAL VISUAL SYSTEMS WITH TUNABLE PHOTOCONDUCTIVITY BASED ON ORGANIC MOLECULE-NANOWIRE HETEROJUNCTIONS	United States and others	XIE, Pengshan(MSE); MENG, You(MSE); WANG, Wei(MSE); HO, Johnny Chung Yin(MSE)
1314	An approach for developing soft robots using an inverse origami design model	United States	SUN, Dong(BME); HU, Qiqiang(BME)
1315	METHOD AND ELECTRONIC DEVICE FOR PERFORMING ROBUST LOW-RANK MATRIX RECOVERY VIA HYBRID ORDINARY-WELSCH FUNCTION	United States and others	WANG, Zhiyong(CS); Zoubir, Abdelhak M.*; SO, Hing Cheung(EE)
1316	Acoustic-Based Face Anti-Spoofing System and Method	United States	WANG, Shiqi(CS); KONG, Chenqi(EE); ZHENG, Kexin(CS); LI, Haoliang(EE)
1318	THERMOELECTRIC DEVICE, THERMOELECTRIC UNIT FOR THERMOELECTRIC DEVICE, AND ITS METHOD OF MAKING	United States and others	KARTHIKEYAN, Vaithinathan(MSE); LU, Yang(MNE); SURJADI, James Utama(MNE); VELLAISAMY, Arul Lenus 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	HUO, Yingxin(BME); SUN, Dong(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	LEE, Patrick Kwan Hon(E2); LEE, Yik Yeung(E2); CHAU, Lik Tak Ricky(E2); MIAO, Yanhao(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	DU, Hao(CS); DONG, Qihua(CS); XU, Yan*; LIAO, Jing(CS)
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	HO, Johnny Chung Yin(MSE); BU, Xiuming(MSE)
1332	METASURFACE STRUCTURE AND RELATED ARTICLE AND METHOD	United States	LEI, Dangyuan(MSE); WANG, Zhuochao(MSE); LIAO, Yuan(MSE); FAN, Yulong(MSE)
1333	ONE-POT PATHOGEN DETECTION SYSTEM AND METHOD FOR REAL-TIME LATERAL FLOW ASSAY	United States and others	AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(BMS); YANG, Mengsu(BMS); WU, Wanqing(BMS)
1335	COPPER FILTER WITH FAST VIRUS KILLING ABILITY	United States and others	QU, Jin(BME); HENG, Yiyuan(MSE); CHIN, Wing Hong Alex*; POON, Lit Man Leo*; nan; TU, King Ning(MSE); CHEN, Chang(MSE)
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, Chi Hou(EE); CHAN, Ka Fai(EE)
1341	METHODS OF DETECTING CONGENITAL HEART DISEASE	United States	ZHANG, Wenqian(CS); LI, Shuaicheng(CS); LI, Mengyao(CS)



1345	3D/4D additive-subtractive manufacturing of ceramic/glass components in 3C products	United States	LU, Xinya(MSE); ZHOU, Zhifeng(NPMM); LU, Jian(MNE); ZHANG, xiaofeng(MNE); LIU, Guo(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	MENG, You(MSE); LAI, Zhengxun(MSE); WANG, Wei(MSE); HO, Johnny Chung Yin(MSE)
1348	POLYNITROSO COMPOUND, ITS PREPARATION AND ELECTROCHEMICAL USE	United States and others	ZHANG, Qichun(MSE); LEE, Chun Sing(CHEM); KANG, Fangyuan(MSE)
1349	HALIDE PEROVSKITE, ITS FABRICATION AND USE THE SAME	United States	ZHENG, Yini(MSE); MENG, You(MSE); HO, Johnny Chung Yin(MSE); LI, Dengji(MSE)
1350	MICROFLUIDIC CHIP, SYSTEM, AND METHOD FOR DETERMINING CELL DEFORMABILITY	United States and others	ZOU, Shangjie(BME); KHOO, Bee Luan(BME); HUA, Haojun(BME)
1354	REINFORCEMENT-LEARNING-BASED NETWORK TRANSMISSION OF COMPRESSED GENOME SEQUENCE	United States and others	SUN, Zhenhao(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS); LI, Xiaona(CS)
1355	METHOD OF FORMING A NANOTWINNED, AUSTENITE/MARTENSITE NANO-LAMELLAR NANOSTRUCTURE IN AN AUSTENITE STEEL ALLOY	United States and others	LI, Qian(MSE); YANG, Tao(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	YANG, Chen(SKMW); LU, Kai*; LEUNG, Kwok Wa(EE)
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	LI, Tianpei(SM); ZHU, Kening(SM); CHEN, Taizhou(SM)
1362	一种YAP降解剂及其制备方法和药理学上的应用	China	LI, Xinyu*; DAI, Liang(PHY); SUN, Liang(PHY)
1364	METHODS OF PRODUCING SINGLE-LAYER TRANSITION METAL SELENIDE	United States	CHAN, Chi Ying(CHEM); KIM, Yujeong(SKMP); LY, Thuc Hue(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	LIU, Yiming(BME); YU, Xinge(BME); PARK, Wooyoung(BME); YIU, Chun Ki(BME)
1366	Adsorption radiant air-conditioning system comprising vacuum dehumidification and high-temperature cooling	United States	FONG, Kwong Fai Square(CA); LEE, Chun Kwong(CA)
1368	PORTABLE BLOOD PRESSURE SENSOR AND SENSING METHOD THEREOF	United States and others	ZHOU, Jingkun(BME); JIA, Huiling(BME); YU, Xinge(BME); LI, Jian(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); YU, Xinge(BME); LI, Dengfeng(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	CHEN, Jiancong(CS); WANG, Shiqi(CS)
1378	METHODS OF IMMORTALIZING PRIMARY RESTING T CELLS BY CRISPR/DCAS9-BASED EPIGENETIC MODIFIERS AND TRANSCRIPTIONAL ACTIVATORS	United States	HUANG, Siping(BME); LAU, Cia Hin(BME); LAM, Hiu Wai Raymond(BME); TIN, Chung(BME)
1379	PHASE-CONTROLLABLE SYNTHESIS OF TRANSITION METAL DICHALCOGENIDE MONOLAYERCRYSTALS	United States	WANG, Yongji(CHEM); ZHAI, Wei(CHEM); ZHANG, Hua(CHEM)

1381	METHODS OF MEASURING PROTEIN LEVELS OF CELLS AND USES THEREOF	United States	CHEN, Chia-Hung(BME); XU, Ying(BME)
1382	Physiological signal-detectable smart mask with triboelectric-enhanced filtration efficiency	United States and others	SI, Yifan(BME); MENG, Shuo(BME); SHI, Shuo(BME); HU, Jinlian(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 SEMICONDUCTOR/METAL HETEROPHASE NANOPARTICLES	United States and others	HUANG, Biao(CHEM); ZHAI, Li(CHEM); ZHANG, Hua(CHEM)
1387	A CATALYST, ITS PREPARATION AND ITS USE IN AMMONIA SYNTHESIS	United States	ZHANG, Shaoce(MSE); HO, Johnny Chung Yin(MSE); CHEN, Dong(MSE)
1388	BIOMIMETIC, NANOFIBER-BASED AND DIRECTIONAL MOISTURE-WICKING ELECTRONIC SKINS AND FABRICATION METHODS THEREOF	United States	ZHI, Chuanwei(BME); SHI, Shuo(BME); HU, Jinlian(BME); SI, Yifan(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(EI)
1393	SURFACE-BASED 3D MODELLING TECHNIQUES ON TOUCHSCREEN DEVICE WITH ANGLE-ADJUSTABLE TOUCHSCREEN	United States	CASSINELLI, Alvaro(SM); LIU, Can(SM); DAI, Chenyue(CS)
1398	METHODS FOR TREATING HYPERVIRULENT KLEBSIELLA PNEUMONIAE INFECTION	United States	LIU, Xiaoxuan(PH); CHEN, Sheng(PH); YANG, Guan(PH); XU, Qi(PH)
1400	Quantum meta-device for ultrasensitive displacement metrology	United States and others	TSAI, Din-ping(EI); CHEN, Mu Ku(EI); FAN, Yubin(EI)
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(EI); CHAN, Chi Hou(EI)

1404	METASURFACE ANTENNA AND METASURFACE STRUCTURE FOR ANTENNA	United States and others	WU, Gengbo(EE); CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); DAI, Junyan(SKMW); CHAN, Ka Fai(EE)
1408	FLEXIBLE PEROVSKITE SOLAR CELLS AND FABRICATION THEREOF	United States	ZHU, Zonglong(CHEM); GAO, Danpeng(CHEM); LI, Bo(CHEM)
1409	PORTABLE CONDENSATION-FREE TEMPERATURE-ADJUSTABLE RADIANT COOLING BOARD SYSTEM	United States and others	LIANG, Yuying(CA); HUANG, Gongsheng(CA)
1410	METHODS FOR DETECTING OR TREATING ATHEROSCLEROSIS	United States and others	HUANG, Yu(BMS); WANG, Li(BMS)
1411	A METHOD FOR FABRICATING AN AROMATIC POLYMER AND A POLYMER FABRICATED ACCORDING THERETO	United States and others	ZHANG, Qichun(MSE); WANG, Xiang(MSE)
1412	BACKBONE-ENGINEERED HIGHLY EFFICIENT POLYMER HOLE TRANSPORTING MATERIALS, INVERTED PEROVSKITE SOLAR CELLS MADE THEREFROM, AND MANUFACTURING METHODS THEREFOR	United States	WU, Xin(CHEM); ZHU, Zonglong(CHEM); SUN, Xianglang(MSE)
1413	A COMPOSITE MATERIAL AND PREPARATION FOR THE SAME	United States and others	TSO, Chi Yan(E2); LIU, Sai(E2)
1414	WEARABLE ELECTRONIC DEVICE FOR PROVIDING OR AFFECTING SMELL	United States and others	LIU, Yiming(BME); YU, Xinge(BME); JIAO, Yanli(BME); PARK, Wooyoung(BME)
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	ZHANG, Hua(CHEM); ZHAI, Wei(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	LI, Zijian(CHEM); ZHAI, Li(CHEM); ZHANG, Hua(CHEM); ZHANG, An(CHEM)
1421	A COMPOSITE MATERIAL AND ITS PREPARATION METHOD	United States	LIU, Sai(E2); TSO, Chi Yan(E2); DU, Yuwei(E2); HO, Tsz Chung(E2)
1422	HIGH CAPACITY, HIGH ENERGY DENSITY AND HIGH POWER REVERSIBLE Li-Cl <sub>2</sub> BATTERY SYSTEM	United States and others	LI, Xinliang(MSE); ZHI, Chunyi(MSE); LI, Pei(MSE)
1423	DIRECT SYNTHESIS OF IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS, AND IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS THEREOF	United States	THI, Quoc Huy(CHEM); MAN, Ping(CHEM); LY, Thuc Hue(CHEM)
1424	POWER-TO-WATER BATTERY AND USES THEREOF	United States and others	WU, Wei(E2); LIN, Haosheng(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	SUN, Mingzhe(E2); AN, Kyoung Jin Alicia(E2); WONG, Pak Wai(E2); SHANG, Jin(E2); GUO, Jiabin*; SUN, Jiawei(E2)
1427	HYBRID SYSTEM FOR ELECTRICITY AND WATER GENERATION, PASSIVE COOLING INDUCED CO-GENERATOR APPARATUS, AND MANUFACTURING METHOD THEREFOR	United States and others	WANG, Qiliang*; YAO, Yao*; CAO, Zhaowenbo(MNE); MAO, Zhengyi(MNE); LU, Jian(MNE)
1429	Reshaping fish intestinal microbiota and facilitating barrier function by ZnO nanoparticles	United States	WANG, Wenxiong(E2); MA, Shuoli(E2)
1430	一种柔性压力传感器及其制备方法和应用	China	HU, Jinlian(BME); ZHANG, Ke(BME); ZHANG, Shuai(BME); MENG, Shuo(BME)
1432	MULTI-COMPONENT HIGH ENTROPY ALLOY WITH NANOSCALE ATOMIC SELF-ORDERING STRUCTURE AND PREPARATION METHODS THEREOF	United States	JU, Jiang(MSE); YANG, Tao(MSE)
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	ZHANG, Hanshui(BME); SI, Yifan(BME); HU, Jinlian(BME); GUO, Chunxia(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	SONG, Linqi(CS); LUO, Sichun(CS)
1439	Metal Turing nanonets as water-splitting catalysts and a method for preparing the same	China	LU, Jian(MNE); GU, Jialun(MNE); LI Lanxi(MNE)
1440	INTEGRATED LITHIUM NIOBATE MICROWAVE PHOTONIC PROCESSING ENGINE	United States and others	GUO, Xiaoqing(EE); FENG, Hanke(EE); GE, Tong(EE); YUAN, Yixuan*; 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	WANG, Xiong(BMS); LI, Huangcan(BMS); HE, Mingliang(BMS)
1450	MEDICAL IMAGE COMPRESSION AND/OR RECONSTRUCTION	United States and others	WANG, Meng(CS); LIU, Xiangrui(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS)
1452	FACILITATING ENCODING OF VIDEO DATA USING NEURAL NETWORK	United States	MAO, Yunhao(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS)
1453	Double Enhanced Modeling for Learned Video Compression	United States and others	YE, Dongjie(CS); GUO, Haifeng(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS)
1454	PREPARATION OF TWO-DIMENSIONAL MOLYBDENUM PHOSPHIDE VIA SURFACE-CONFINED ATOMIC SUBSTITUTION	United States	WANG, Wenbin(MSE); QI, Junlei(MSE); HE, Qiyuan(MSE)

1455	DISSOLVABLE MICRONEEDLE	United States and others	XU, Chenjie(BME); ZHAO, Yayi(BME); YU, Jinming(BME)
1456	Amorphous-crystalline palladium-based heterophase nanostructures for electrocatalytic applications	International Bureau of the WIPO	LUO, Qinxin(CHEM); ZHANG, Hua(CHEM); LI, Lujiang(CHEM); GE, Yiyao(CHEM)
1457	Graphene Oxide-Based Fluorescent Sensor for Biomolecule Detection	United States	WANG, Fei(CHEM); LO, Pik Kwan Peggy(CHEM); LI, Pan(CHEM); LIU, Ling Sum(CHEM); LEUNG, Hoi Man(CHEM)
1458	PHENAZINE DERIVATIVE-BASED ALKALINE BATTERY	United States and others	ZHU, Jiaxiong(MSE); ZHI, Chunyi(MSE); CUI, Huilin(MSE)
1460	Aqueous Zn    NO <sub>2</sub> Electrochemical Cell	United States	MA, Longtao(MSE); ZHI, Chunyi(MSE)
1462	Reversible Semimetal-semiconductor Transition of Unconventional-phase WS <sub>2</sub> Nanosheets	United States	ZHANG, Hua(CHEM); HE, Qiyuan(MSE); ZHAI, Wei(CHEM)
1463	CRYPTOSYSTEM WITH UTILIZING SPLIT-RADIX DISCRETE GALOIS TRANSFORMATION	United States	MAO, Gaoyu(EE); LI, Guangyan(EE); CHEUNG, Chak Chung Ray(EE); LAM, Hiu Fung(EE)
1464	LARGE-AREA AND FREESTANDING METAL-BASED NANOMEMBRANE ELECTROCATALYST FOR SUSTAINABLE HYDROGEN PRODUCTION	United States and others	TENG, Yun(MNE); GAO, Xiang(MNE); YANG, Yong(MNE); PARK, Minhyuk(MNE)
1465	METHOD FOR SYNTHESIZING NOBLE METAL-SEMICONDUCTOR HETEROSTRUCTURES AND PHOTOCATALYTIC SYSTEM	United States and others	LI, Zijian(CHEM); ZHAI, Li(CHEM); ZHANG, Hua(CHEM); YANG, Hua(CHEM)
1466	4H/FCC Heterophase Platinum Based Nanomaterial on Nanorod for Electrocatalytic Alcohol Oxidation	United States	LIAO, Lingwen(CHEM); HE, Zhen(CHEM); ZHANG, Hua(CHEM)

1467	利用知识冗余的图像集压缩	China	KWONG, Tak Wu Sam(CS); ZHANG, Pingping(CS); WANG, Shiqi(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); ZHANG, Pingping(CS); WANG, Shiqi(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); ZHI, Chunyi(MSE); LI, Chuan(MSE)
1475	TACTILE SENSOR, TOUCH DEVICE, AND MANUFACTURING METHOD OF TACTILE SENSOR	United States	SHI, Shuo(BME); HU, Jinlian(BME); ZHI, Chuanwei(BME)
1476	Preserving Tumor Volumes for Unsupervised Medical Image Registration	United States and others	DU, Hao(CS); LIAO, Jing(CS); DONG, Qihua(CS); XU, Yan*; WANG, Xin*; SONG, Ying*
1477	PAINTING ANTENNA AND ANTENNA-INTEGRATED ARTICLE	United States	LO, King Tung(EE); WONG, Hang(EE); SO, Kwok Kan(EE); NG, Ling Chi(EE)
1478	室内分布式天线系统的拓扑结构设计方法及相矣设备	China	ZHANG, Qingfu(CS); WU, Xilei(CS); HUANG, Peiqiu(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); KWONG, Tak Wu Sam(CS); WANG, Shiqi(CS)
1481	PHOTOVOLTAICS PANEL, PHOTOVOLTAICS SYSTEM AND EVAPORATING SYSTEM FOR PHOTOVOLTAICS SYSTEM	United States and others	WU, Wei(E2); LI, Fuxiang*
1482	A Framework to Generate Sparsity Regularizers and its Applications to Low-rank Plus Sparse Matrix Decomposition	United States and others	WANG, Zhiyong(CS); Zoubir, Abdelhak M.*; SO, Hing Cheung(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	HU, Pengfei(EE); LEUNG, Kwok Wa(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)
1486	MICROFLUIDIC DEVICE AND METHOD FOR EXTRACTING BLOOD PLASMA FROM WHOLE BLOOD	United States and others	CHEN, Ting Hsuan(BME); HARTANTO, Hogi(BME)
1487	CANTILEVER-BASED OPTO-ELECTROMECHANICAL SYSTEM FABRICATION METHODS	United States	ZHANG, Wenqi(BME); HOU, Chaojian(BME); DONG, Lixin(BME); WANG, Kun(BME)
1488	FABRICATION METHODS FOR 3D STRUCTURES BASED ON ROLLING-UP KIRIGAMI TECHNIQUES	United States	ZHANG, Wenqi(BME); HOU, Chaojian(BME); WANG, Kun(BME); DONG, Lixin(BME)
1489	Ni <sub>2</sub> P/MoNiP <sub>2</sub> /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	YANG, Jieqiong(BME); SI, Yifan(BME); HU, Jinlian(BME); ZHI, Chuanwei(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	JIANG, Chaoqiang(E2); MA, Tianlu(E2)
1496	ELECTROLYTE ADDITIVES AND RECHARGEABLE BATTERIES COMPRISING THE SAME	United States and others	YU, Yau Wai Denis(E2); DUAN, Qiaohui(E2)
1497	A DEEP LEARNING-BASED APPROACH FOR SOLVING OPTIMAL POWER FLOW PROBLEMS WITH FLEXIBLE TOPOLOGY	United States	CHEN, Minghua(DS); ZHOU, Min(DS)
1498	MACHINE LEARNING WITH NEURAL NETWORKS FOR REDUCING BACTERIAL SEQUENCECONTAMINATION IN PHAGE GENOME CONSTRUCTIONS	United States	LI, Shuaicheng(CS); WANG, Ruohan(CS); PAN, Guangze(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	LIANG, Guojin(MSE); WEI, Zhiquan(MSE); ZHI, Chunyi(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	SI, Yifan(BME); HUANG, Kaisong(BME); HU, Jinlian(BME); GUO, Chunxia(BME)
1504	Sweat Extraction and Monitoring System	United States	HUANG, Xingcan(BME); YU, Xinge(BME); XU, Guoqiang(BME); SHI, Rui(BME); WU, Pengcheng(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	JEN, Alex Kwan Yue(MSE); LI, Fengzhu(MSE)
1507	A PEROVSKITE LAYER, FABRICATION METHOD AND USE THE SAME	United States and others	JEN, Alex Kwan Yue(MSE); YAN, Yichao(CHEM); WU, Shengfan(MSE)
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	KUO, Way(IAS); nan
1511	PIEZOCATALYST, PIEZOELECTRIC MATERIAL COMPRISING PIEZOCATALYST, MANUFACTURING METHOD, AND USES THEREFOR	United States	SUN, Yajun(MNE); ZHAO, Qi(CHEM); YAO, Weifeng*; LEE, Chun Sing(CHEM)
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	HUANG, Xingcan(BME); ZHANG, Qiang(IS); YU, Xinge(BME); CHOW, Lung(BME)
1520	An Monopedal Hopping Quadcopter	United States and others	DING, Runze(BME); BAI, Songnan(BME); CHIRARATTANANON, Pakpong(BME)
1521	SYSTEMS AND METHODS FOR PREPROCESSING IMMUNOCYTOCHEMISTRY IMAGES FOR MACHINE LEARNING IMAGE-TO-IMAGE TRANSLATION	United States and others	HILL, Fraser Ian(VDL); LAU, Condon(PHY); CHAN, Cheuk Ying Cherry(PHY); HERNANDEZ MUGUIRO, Daniela(VDL); CHEUNG, Tin Yan Elaine*; Ahmed, Irfan(PHY); CHO, Chi Shing*; CHEUK, Wah*; GIULIANO, Antonio(VCS); ZHANG, Wei(DS); LAW, Wing Lun(PHY); LI, Xinyue(DS); KEE, Wing Sze(PHY); YUAN, Yixuan*
1522	THERMAL STABLE, 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	MENG, You(MSE); QUAN, Quan(MSE); LAI, Zhengxun(MSE); LI, Yezhan(MSE); HO, Johnny Chung Yin(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 and others	LAU, Denvi(CA); CHEN, Huaguo(CA); LIANG, Kaikang(CA)
1532	BIOMASS-BASED STRETCHABLE HYDROGEL MATERIALS FOR MONITORING HUMAN BODY MOTION	United States	BO, Xiangkun(MNE); DAOUD, Walid(MNE); ZHAO, Hong(MNE); LI, Weilu(MNE)
1533	L-RNA APTAMERS, RECOMBINANT POLYNUCLEOTIDES, AND USES THEREOF IN TREATING ALZHEIMER'S DISEASE	United States and others	KWOK, Chun Kit(CHEM)
1534	基于深度强化学习的通用路旁单元部署方法	China	ZHAO, Shengjie*; LIU, Zhidan*; WU, Xianjing(CS); LI, Zhenjiang(CS)
1535	AUTOREGRESSIVE BASED DATA COMPRESSION	United States and others	MAO, Yu(CS); XUE, Chun Jason(CS); KUO, Tei-Wei*
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 and others	JING, Xingjian(MNE)
1540	PORTABLE AND FILTER-FREE SINGLE-PASS AIR DISINFECTION SYSTEM FOR DISINFECTION OF CONTAMINATED AIRFLOW OR BIOAEROSOLS	United States and others	LU, Yuhao(E2); WANG, Minghao(CA); LAI, Chi Keung Alvin(CA); ZHANG, Huihui(CA)
1541	A PHOTOELECTROCHEMICAL CELL AND A PHOTOELECTROCHEMICAL LITHIUM EXTRACTION DEVICE BASED ON THE SAME	International Bureau of the WIPO	HE, Jr-Hau(MSE); LI, Zhongxiao(MSE)
1543	A strong-yet-ductile chemically complex alloy over a wide temperature range and its preparation method	United States	ZHOU, Yinghao(ANSD); YANG, Tao(MSE)
1545	METHODS FOR ELECTROCHEMICAL REDUCTION OF CARBON DIOXIDE	United States	YU, Jinli(CHEM); FAN, Zhanxi(CHEM)
1546	AUTONOMOUS SELF-HEALABLE AND MECHANICALLY ROBUST HYDROGEL AND TRIBOELECTRIC NANOGENERATOR COMPRISING THE SAME	United States	DAOUD, Walid(MNE); FIRDOUS, Irum(E2); FAHIM, Muhammad(E2)
1547	RSS-based Emergency Positioning Method and System	United States and others	HE, Jiajun(E2); SO, Hing Cheung(E2)
1548	METHODS OF INHIBITING KLEBSIELLA PNEUMONIAE CARBAPENEMASE-2	United States	TANG, Yang(PH); YANG, Chen(PH); CHEN, Sheng*; LIU, Chenyu(PH)
1549	AN ULTRA-STRONG AND DUCTILE MULTIFUNCTIONAL TITANIUM ALLOY AND METHODS FOR PREPARING THE SAME	United States and others	YANG, Tao(MSE); ZHANG, Jixun(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	TAO, Zeyu(E2); SHANG, Jin(E2)
1552	DEFECT-RICH MoS2 MONOLYER, METHODS FOR PRODUCING THE SAME AND USES THEREOF	United States	LEUNG, Ka Ho(CHEM); MAN, Ping(CHEM); LY, Thuc Hue(CHEM)
1553	A METHOD FOR DETERINING ACUTE TOXICITY AND A SYSTEM USING SAID METHOD	United States and others	Xia, Yiteng(E2); WANG, Wenxiong(E2)
1554	HIGH-PERFORMANCE ORGANIC LI-BROMINE BATTERY ENABLED BY TWO-ELECTRON REDOX CHEMISTRY	United States and others	LI, Xinliang(MSE); ZHI, Chunyi(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*
1556	Energy Harvesting and Gait-assisting Exoskeleton for People with Knee Osteoarthritis	United States	Yang, Zhengbao*; PAN, Qiqi(MNE)
1557	一种室内分布式系统的天线布局规划方法	China	WU, Xilei(CS); HUANG, Peiqiu(CS); ZHANG, Qingfu(CS)
1558	Magnetic Impact Needle Robot	United States	ZHANG, Jiachen(BME); XIANG, Yuxuan(BME)
1559	RECONFIGURABLE QUADROTOR WITH CONTROLLED ROLLING AND TURNING	United States	DING, Runze(BME); CHIRARATTANANON, Pakpong(BME); JIA, Huaiyuan(BME); BAI, Songnan(BME)
1560	Alkaline Earth Metal Confined in Carbon Materials for High-performance Single-atom Nanozymes	United States and others	ZHAO, Qi(CHEM); LEE, Chun Sing(CHEM); YAO, Weifeng*
1561	Efficient Corner Detection Algorithm and Architecture for Dynamic Vision Sensors	United States and others	BASU, Arindam(EE); SUN, Pao-Sheng Vincent(EE)
1562	3D LIQUID DIODE AND PERMEABLE ELECTRONIC DEVICES BASED ON THE SAME	United States and others	ZHOU, Jingkun(BME); YU, Xinge(BME); LI, Jiyu(BME); Zhang, Binbin(BME)

1563	手持式定向静电纺丝设备	China	HUANG, Kaisong(BME); GUO, Chunxia(BME); SI, Yifan(BME); HU, Jinlian(BME)
1565	BIMETALLIC ALLOY NANOSTRUCTURES FOR EFFICIENT AMMONIA ELECTROSYNTHESIS	United States	WANG, Yunhao(CHEM); FAN, Zhanxi(CHEM)
1566	RECHARGEABLE ZINC-NITRATE/ETHANOL BATTERY	United States and others	ZHOU, Jingwen(CHEM); FAN, Zhanxi(CHEM); XIONG, Yuecheng(CHEM)
1567	A Simple Method to Fabricate CuO/NiO Heterostructure for Efficient Ammonia Electrosynthesis	United States	QUAN, Quan(MSE); YIN, Di(MSE); HO, Johnny Chung Yin(MSE); CHEN, Dong(MSE)
1570	Dynamic Holography and Information Encryption Enabled by Phase Change Material-Based Metasurfaces	United States and others	LEI, Dangyuan(MSE); FAN, Yulong(MSE); LIAO, Yuan(MSE)
1571	A new nano-metal embedding technology for feeding to improve heat stress resistance in marine fish	United States and others	WANG, Wenxiong(E2); MA, Shuoli(E2)
1572	Image Quality Assessment based on Flexible Reference	United States and others	CHEN, Baoliang(CS); TIAN, Yu(CS); WANG, Shiqi(CS); KWONG, Tak Wu Sam(CS)
1573	A method for all zero block detection in versatile video coding	United States	SUN, Zhenhao(CS); WANG, Shiqi(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(E2); JIANG, Chaoqiang(E2)
1579	CONJUGATES, AND USES THEREOF	United States and others	KWOK, Chun Kit(CHEM); ZHANG, Kun(CHEM)
1580	Simultaneous salt rejection and heat localization via engineering wick structure and macrochannels in 3D evaporator, and manufacturing method therefor	United States and others	LI, Lanxi(MNE); CHEN, Yingxian(MSE); MAO, Zhengyi(MNE); HAN, Yicheng(MNE); LU, Jian(MNE)

1581	Extending Neural P-frame Coding for B-frame Codec with Siamese Neural Network	United States and others	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	Application of Adaptive Parallel Fast Marching Method in Automatic Submarine Cable Path Planning	United States and others	WANG, Xinyu(EE); WANG, Zengfu*; ZUKERMAN, Moshe(EE)
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	ENGINEERED PROBIOTICS AND THE APPLICATIONS THEREOF	United States	BUI, Thi Van Anh(BMS); PHAM, Quynh Hoa(BMS); BAN, Kiwon(BMS); LAU, Chi Kong Terrence(BMS)
1588	SYSTEMS AND METHODS FOR MONITORING OF DELVIERY OF LABEL-FREE DRUGS	United States	HUANG, Jianpan(BME); SU, Haoyun(BME); CHAN, Wai Yan Kannie(BME)
1590	ULTRA-BROADBAND LOOP ANTENNA FOR WIRELESS COMMUNICATION AND ENERGY TRANSCEIVER	United States and others	WONG, Hang(EE); XIAO, Bing(EE)
1594	Negative Reactance Synthesizer	United States and others	TSE, Chi Kong(EE)
1595	Absorption Carnot Battery	United States	SUI, Yunren(E2); WU, Wei(E2); DING, Zhixiong(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(EE)
1600	Integrated thin-film lithium niobate millimeter-wave photonic radar chip	United States and others	ZHANG, Yiwen(EE); PUN, Yue Bun Edwin(EE); WANG, Cheng(EE); ZHU, Sha(SKMW)

1601	A 4D-PRINTED HUMIDITY AND MAGNETIC DUAL RESPONSIVE ACTUATOR	United States and others	MAO, Zhengyi(MNE); HE, Yunhu(MNE); LU, Jian(MNE); HAN, Yicheng(MNE)
1602	Carbon Footprint Optimized Timely E-Truck Transportation	United States	CHEN, Minghua(DS); LIN, Qiulin(DS); SU, Junyan(DS)
1603	PORTABLE VIRTUAL TASTE GENERATOR	United States and others	LIU, Yiming(BME); YU, Xinge(BME); PARK, Wooyoung(BME)
1604	一种变换器中冗余开关识别方法及装置	China	MO, Liping(EE); WANG, Yibo(EE); JIANG, Chaoqiang(EE); MA, Tianlu(EE)
1605	CYCLIC TITANIUM OXIDE NANOCUSTER COMPOSITION AND DEVICE WITH SAME	United States and others	JEN, Alex Kwan Yue(MSE); LI, Fengzhu(MSE); ZHAO, Chaowei(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 and others	WANG, Han(PH); YANG, Guan(PH); CHEN, Sheng*; XU, Qi(PH)
1610	PLASMID-BASED REVERSE GENETICS SYSTEM FOR TILAPIA LAKE VIRUS (TiLV)	United States and others	WANG, Xingxing(VM); OSTERRIEDER, Nikolaus(PH)
1611	METHOD FOR INDUCING DEDIFFERENTIATION OF ADIPOCYTES	United States and others	WANG, Ying(BMS); ZHANG, Liang(BMS); LIU, Guopan(BMS)
1612	Data encoding method for 3D NAND flash memory	United States and others	WU, Shangyu(CS); YE, Min(CS); XUE, Chun Jason(CS); Kuo, Tei-Wei*; Li, Qiao*; Cui, Yufei*
1614	Reactance-Loaded Sequential-Phase Feed Network for a Highly Compact Wideband On-Chip Circularly Polarized Antenna	United States and others	CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); KONG, Shangcheng(EE)
1615	A boryl anion as a strong two-electron-reducing agent	United States and others	LI, Haokun(CHEM); LU, Zhenpin(CHEM)



1616	ENRICHMENT METHOD, ANALYSIS METHOD, AND A REAGENT KIT FOR A CIRCULATING TUMOR CELL	United States and others	YANG, Zihan(BMS); SI, Tongxu(BMS); YANG, Mengsu(BMS)
1617	ViboPneumo: A Vibratory-Pneumatic Finger-Worn Haptic Device for Altering Perceived Texture Roughness in Mixed Reality	United States and others	YU, Xinge(BME); ZHANG, Qi(SM); GAO, Haichen(SM); ZHU, Kening(SM); CAI, Shaoyu(SM)
1618	METHOD AND SYSTEM OF PRE-TRAINING GRAPH NEURAL NETWORK FOR MOLECULAR GRAPHS	United States	FUNG, Chi Chung Alan(NS); LIN, Wei(NS)
1619	METHOD AND SYSTEM FOR RESTORING A COMPRESSED IMAGE WITH RAINDROPS	United States and others	LIN, Rongqun(CS); KWONG, Tak Wu Sam(CS); WANG, Shiqi(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 and others	JIN, Yangxin(E2); LAM, Chun Ho Jason(E2); SHAO, Shan(E2); ZHU, Qi(E2); LIU, Shengqin(E2)
1625	SIZE-SIEVING ENHANCED ZINC-IODINE FLOW BATTERY SYSTEM FOR MITIGATING WATER/HYDRATED ION CLUSTER MIGRATION	United States	LIANG, Guojin(MSE); WEI, Zhiquan(MSE); ZHI, Chunyi(MSE)
1626	META-DEVICE FOR NUCLEAR RADIATION DETECTION AND MANUFACTURING METHOD THEREOF	United States and others	CHEN, Mu Ku(EE); LIN, Rong(EE); TSAI, Din-ping(EE)
1627	Classification of Cognitively Normal Condition, Mild Cognitive Impairment and Alzheimer's Disease Based on Convolutional Neural Networks with Attention Mechanism	United States	CHAN, Kei Hang Katie(BMS); LIU, Jundong(BMS); Chen, Jingtao(EE); Woo, Yat Ming Peter*
1628	NANOSCAFFOLD FOR SELF-TRIGGERED OSTEOGENIC DIFFERENTIATION OF STEM CELLS	United States	SHI, Shuo(BME); HU, Jinlian(BME); WU, Hanbai(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 and others	MA, Yangbo(CHEM); FAN, Zhanxi(CHEM)

1634	Electrochemical method for depositing metals on unconventional-phase TMDs with enhanced electrocatalytic performances	United States and others	LI, Zijian(CHEM); ZHAI, Li(CHEM); SHI, Zhenyu(CHEM); ZHANG, An(CHEM); ZHANG, Hua(CHEM)
1635	ELECTROCATALYST FOR EFFICIENT NITRITE REDUCTION	United States and others	WANG, Yunhao(CHEM); FAN, Zhanxi(CHEM); XIONG, Yuecheng(CHEM)
1636	MULTI-SLOT ANTENNA AND LOW-PROFILE PHASED ARRAY ANTENNA USING THE SAME	United States and others	SU, Zhili(SKMW); LU, Kai(EE); LEUNG, Kwok Wa(EE)
1638	HIGH-DENSITY SELF-ALIGNED CU-CU BONDING IN ADVANCED PACKAGING BY LOCALIZED ELECTROCHEMICAL DEPOSITION	United States	nan; DU, Fuxin(MSE); HE, Qiyuan(MSE)
1639	TUNABLE NONLINEAR PHOTONIC STRUCTURE	United States	LI, Xiaoting(EE); SUN, Wenzhao(EE); LI, Haochuan(EE); WANG, Cheng(EE)
1640	COMPOSITE MATERIAL, ITS PREPARATION AND USE IN ORGANIC SOLAR CELL	United States and others	JEN, Alex Kwan Yue(MSE); FAN, Baobing(CHEM)
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	LIANG, Xinchuo(BME); ZHANG, Shuai(BME); MENG, Shuo(BME); HU, Jinlian(BME)
1642	A surfactant-protected stretchable and conductive tribopositive material and its application in sensors and energy harvesters	United States	BO, Xiangkun(MNE); ZHAO, Hong(MNE); VALENCIA, Agnes(MNE); DAOUD, Walid(MNE)
1643	一种阻燃预警MXene纳米材料及其制备方法	China	LEI, Leqi(BME); HU, Jinlian(BME); WANG, Dong(BME)
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 and others	ZHU, Gaochen(PH); YANG, Guan(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	QUAN, Quan(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(MSE)

1648	电感器和电子设备	China	WANG, Xiaosheng(EE); MO, Liping(EE); WANG, Yibo(EE); JIANG, Chaoqiang(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	WANG, Xiaosheng(EE); MO, Liping(EE); WANG, Yibo(EE); JIANG, Chaoqiang(EE)
1650	METHODS FOR PRODUCING PLATINUM NANOPARTICLES DECORATED TRANSITION METAL DICHALCOGENIDES AND USES THEREOF IN HYDROGEN EVOLUTION REACTIONS	United States	MEI, Liang(MSE); ZENG, Zhiyuan(MSE)
1651	FUNCTIONALIZED TRANSITION METAL DICHALCOGENIDES AND USES THEREOF FOR WATER DESALINATION	United States and others	ZENG, Zhiyuan(MSE); YING, Ting(MSE)
1653	Preparation of Two-Dimensional Transition Metal Dichalcogenides Nanosheets for the Super-Selective Removal of Lead from Water	United States	MEI, Liang(MSE); ZENG, Zhiyuan(MSE)
1655	Method and Composition for Fabricating Transparent Photothermal Deicing Coating	United States	LAU, Denvi(CA); TANG, Rui(CA)
1657	Electronic Structure Modulation of Unusual Phase of Metal Nanomaterials for Catalysis	United States	WANG, Juan(CHEM); FAN, Zhanxi(CHEM)
1658	METHOD AND SYSTEM FOR WATERMARKING IMAGES, AND METHOD AND SYSTEM FOR DETECTING A WATERMARK IN AN IMAGE	United States	CHAN, Antoni Bert(CS); CHEN, Feiyu(CS); LIU, Ziquan*
1659	Multi-direction vibration isolation unit with an adjustable mechanism	United States and others	JING, Xingjian(MNE)
1660	BATTERY EQUALIZER AND METHOD OF CONDUCTING A BATTERY EQUALIZATION	United States	WEI, Zhengqi(EE); CHUNG, Shu Hung Henry(EE)
1662	Method of identifying a causal relationship	United States	HE, Qian(BMS); CHAN, Kei Hang Katie(BMS); LIU, Jundong(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	SONG, Tianyi(CHEM); WANG, Chen Chen(CHEM); LEE, Chun Sing(CHEM)
1666	Fabrication of Amorphous Subnanometric Palladium Nanostructures on Metallic Transition Metal Dichalcogenides for Hydrogen Evolution Reaction	United States	MEI, Liang(MSE); ZENG, Zhiyuan(MSE)
1667	PEROVSKITE NANOCRYSTAL INDUCED CORE-SHELL NANOFIBERS, TRIBOELECTRIC NANOGENERATORS CONTAINING THE SAME AND METHODS PREPARATION THEREOF	United States	ZHANG, Shuai(BME); ZHI, Chuanwei(BME); HU, Jinlian(BME)

1668	A 3D BIOPRINTING INK FOR VISIBLE LIGHT PHOTOCURING	United States	ZHANG, Qi(BME); WANG, Cong(BME); HU, Jinlian(BME); WU, Hanbai(BME)
1669	A high-voltage, high-power, dual-redox-center ferrocene-based organic cathode	United States and others	ZHU, Jiaxiong(MSE); ZHI, Chunyi(MSE); LI, Pei(MSE)
1670	ALL-DIELECTRIC REFLECTARRAY ANTENNA	United States and others	LI, Ting(EE); LEUNG, Kwok Wa(EE)
1673	BEAM SEARCH-BASED JOINT RATE-DISTORTION OPTIMIZATION ALGORITHM FOR VVC INTRA CODING	United States	WANG, Shiqi(CS); ZHANG, Yingwen(CS)
1674	CATALYTIC NANOMATERIAL, ITS PREPARATION AND USE IN APROTIC 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	CHEN, Peilin(CS); LIU, Xiangrui(CS); WANG, Shiqi(CS)
1676	TWO-DIMENSIONAL MICROSTRIP PATCH ANTENNAS AND ARRAYS WITH RADIATION PATTERN DECOUPLING	United States	YANG, Nan*; LIU, Guangyao(EE); 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); JIANG, Chaoqiang(EE); WANG, Xiaosheng(EE)
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 <sub>2</sub> mono- or bi-layers	United States	MEI, Liang(MSE); ZENG, Zhiyuan(MSE)
1687	Ultrahigh Efficiency and Selective Extraction of Gold Using Metallic Transition Metal Dichalcogenide	United States	MEI, Liang(MSE); ZENG, Zhiyuan(MSE)
1688	DENDRITE-FREE ZINC-BASED FLOW BATTERY WITH HIGH AREAL CAPACITY	United States and others	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	ZHAO, Haizhou(CHEM); KWOK, Chun Kit(CHEM)
1690	Chrom-seq: a novel method to identify RNA associated with epigenetically modified chromatin	United States and others	YAN, Jian(BMS); FAN, Ligang(BMS)
1692	RUTHENIUM-MOLYBDENUM ALLOY NANOFLOWER PARTICLE FOR AMMONIA ELECTROSYNTHESIS	United States	WANG, Yunhao(CHEM); FAN, Zhanxi(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
1698	Quantization-Based Method and System for Federated Fine-Tuning a Pre-Trained Large Language Model	United States	HUANG, Hong(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	YIN, Jinwen(CHEM); FAN, Zhanxi(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	WANG, Xiaosheng(EE); MO, Liping(EE); WANG, Yibo(EE); JIANG, Chaoqiang(EE); MA, Tianlu(EE)
1708	An AI-Enabled Green Healthcare Ecosystem	United States	CHEN, Peilin(CS); WANG, Shiqi(CS)
1709	OXYGEN-DOMINATED SUPRA-NANO DUAL-PHASE CATALYTIC REACTION MATERIAL ON A SUBSTRATE	United States	LYU, Fucong(MNE); LU, Jian(MNE)
1710	一种电镀液、纳米晶铜薄膜及其制备方法和应用	China	nan
1711	COPPER-BASED ELECTROCATALYSTS FOR ELECTROCATALYTIC CARBON DIOXIDE REDUCTION REACTION AND THE FABRICATION METHODS AND APPLICATIONS THEREOF	United States and others	LU, Pengyi(CHEM); FAN, Zhanxi(CHEM)
1712	A NOVEL SELF-POWERED ABIOTIC NITROGEN FIXATION DEVICE	United States	WANG, Steven(MNE); LIN, Wenzhu(MNE); ZHANG, Zhi(MNE); ZHANG, Zhenwen(MNE); XU, Qili(MNE)
1713	Generative Learning for Financial Time Series with Irregular and Scale-Invariant Patterns	United States	HUANG, Hongbin(DS); CHEN, Minghua(DS); QIAO, Xiao(DS)
1714	HYDRATION-RESPONSIVE SILK-BASED MATERIAL, ITS USE AND PREPARATION	United States	XU, Xiaoyun(BME); HU, Jinlian(BME)
1716	Stem-loop Structured Library for G4-SELEX-Seq: Design, Methods, and Applications	United States	KWOK, Chun Kit(CHEM); JI, Danyang(CHEM)

1717	干态美容面膜及其制备方法	China	SI, Yifan(BME); HU, Jinlian(BME); GUO, Chunxia(BME)
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)
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)
1723	HAPTIC APPARATUS FOR STIMULATING USERS' SKIN	United States	ZHOU, Jingkun(BME); YAO, Kuanming(BME); YU, Xinge(BME); nan
1725	METAL CARBENE COMPLEX AND ITS USE	United States	YAN, Jie(MSE); CHI, Yun(MSE); WU, Yixin(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	YANG, Luoxiao(DS); ZHANG, Zijun(DS)
1729	Highly stable optical cavity	United States	KWONG, Yee Man(MSE); ZAPIEN, Juan Antonio(MSE); HUQE, Md Rashedul(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	JIANG, Chaoqiang(EE); WANG, Xiaosheng(EE); ZHOU, Jiayu(EE)
1733	GAIN-ENHANCED LOW-PROFILE DIELECTRIC RESONATOR ANTENNA WITH A LOADING METAL	United States	SU, Zhili(SKMW); LEUNG, Kwok Wa(EE); LU, Kai*
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	WANG, Xiaosheng(EE); ZHOU, Jiayu(EE); JIANG, Chaoqiang(EE)
1736	METHOD OF MAKING FLAT POTASSIUM-INTERCALATED METALLIC TRANSITION METAL CHALCOGEN NANOARRAYS	United States	CHI, Banlan(CHEM); ZHANG, Hua(CHEM); ZHAI, Wei(CHEM)

1738	GATE DRIVING CIRCUIT WITH SWITCHED-CAPACITOR CIRCUIT TO GENERATE NEGATIVE GATE-SOURCE VOLTAGE PULSES	United States and others	TANG, Ho Tin(EE); CHUNG, Shu Hung Henry(EE)
1739	HYBRID UNMANNED AERIAL VEHICLES INCLUDING TRIBOELECTRIC NANOGENERATORS	United States	DAOUD, Walid(MNE); ALMARDI, Jasim Mohamed Jasim M.(MNE)
1741	INORGANIC-BLENDED P-TYPE SEMICONDUCTOR AND METHOD OF PREPARATION THEREOF	United States	MENG, You(MSE); HO, Johnny Chung Yin(MSE); ZHANG, Yuxuan(MSE)
1742	Oxygen-Economized Photodynamic Therapy with Nitric Oxide-Releasing Photosensitizers	United States	DOTSE, Eunice(BMS); XU, Feijie(BMS); WANG, Meijun(BMS); LO, Pui Chi(BMS); CHOW, Kwan Ting(BMS)
1743	METHOD FOR SYNTHESIZING A CALCIUM-BASED BIOMINERAL UNDER AMBIENT CONDITIONS	United States	TANG, Xinxue(MNE); WANG, Chong(MSE); Shen, Junda(MSE); XU, Zhengtao(CHEM); LU, Jian(MNE)
1744	CELL CULTURE DEVICE AND METHOD OF CULTURING CELLS	United States	LI, Wenxiu(BMS); ZHOU, Xiaoyu(BMS); SUN, Jiayu(BMS); ZHOU, Zhengdong(BMS); YANG, Mengsu(BMS)
1746	Ultra-tough, high-strength transparent protective layers on flexible display glass and preparation method thereof	United States	XIAO, Xufen(MSE); BU, Yu(MNE); LU, Jian(MNE)
1748	METHOD OF SYNTHESIZING POLYOLS AND POLYURETHANE RIGID FOAMS FROM FOOD WASTE	United States	Kirpluks, Mikelis*; Fridrihsone, Anda*; LIN, Sze Ki Carol(E2); QIN, Zihao(E2)
1749	CONDUCTIVE HYDROGEL FIBERS AND THE FABRICATION METHOD THEREOF	United States	WANG, Zhuang(BME); HU, Jinlian(BME)
1750	纺丝原液及原位沉积敷料的方法	China	TAN, Renjie(BME); WU, Hanbai(BME); HU, Jinlian(BME)
1751	Solar Spectral Conversion Film for Enhancing Solar Cell and Module Photovoltaic Performance	United States	nan

1754	An Anomaly-free Representation Learning Approach for Efficient Railway Foreign Object Detection	United States and others	Wang, Tiange(DS); ZHANG, Zijun(DS)
1756	Preparation of unconventional-phase transition-metal dichalcogenide supported multi-elemental metal catalysts	United States	SHI, Zhenyu(CHEM); WU, Yuxuan(CHEM); RUAN, Xinyang(CHEM); ZHANG, An(CHEM); ZHANG, Hua(CHEM)
1758	METHODS FOR PRODUCING 1T'-PHASE TRANSITION METAL DICHALCOGENIDES AND ELECTROCHEMICAL CAPACITATOR COMPRISING THE SAME FOR WATER DESALINATION	United States	YING, Ting(MSE); ZENG, Zhiyuan(MSE)
1759	Enhanced Removal of Emerging Micro-Antibiotics from Water Using TIS2 Membranes Stabilized by Long Alkyl Chain Quaternary Ammonium Post-Treatment	United States	ZENG, Zhiyuan(MSE); YAN, Ruixin(MSE)
1762	METHODS FOR PERFORMING ELECTROCHEMICAL REACTIONS IN STRONG ACID FORMOLECULAR CATALYST	United States	SONG, Yun(CHEM); YE, Ruquan(CHEM)
1765	PIEZOIONIC DEVICE FOR PRESSURE SENSING AND ENERGY HARVESTING	United States	HO, Derek(MSE); YANG, Kai(MSE)
1768	REGULATION OF ION SELECTIVITY BY TUNING THE INTERLAYER SPACING OF TUNGSTEN DISULFIDE MEMBRANES	United States	ZENG, Zhiyuan(MSE); ZHANG, Yue(MSE)
1769	CONSTRUCTING TWO-DIMENSIONAL COVALENT ORGANIC FRAMEWORKS TO HARVEST MECHANICAL ENERGY	United States	ZHANG, Qichun(MSE); GU, Qianfeng(MSE)
1770	An AIGC Content Generation Method Combined with Compression	United States	CHEN, Peilin(CS); WANG, Shiqi(CS)
1771	SOLUBLE COVALENT ORGANIC FRAMEWORK AND LITHIUM METAL BATTERY	United States	ZHANG, Qichun(MSE); NARENTUOYA, -(MSE); XU, Shen(MSE); LEE, Chun Sing(CHEM)
1772	Efficient and robust prediction of compound-protein interaction via imbalance-inspired design	United States	FUNG, Chi Chung Alan(NS); LIN, Wei(NS)
1773	METHODS AND COMPOSITIONS OF TREATING RETINAL DEGENERATIVE DISEASES	United States	LIAO, Baoshan(BMS); WU, Zhifei(BMS); XIONG, Wenjun(BMS)
1776	A Self-Powered Passive Electro-Tactile Haptic Glove for Enhanced Applications	United States	YU, Xinge(BME); XU, Guoqiang(BME); WANG, Haoyu(BME); ZHAO, Guangyao(BME)



1777	A Skin-adhesive, Highly Integrated Permeable Electronic Band-Aid for Intelligent Wound Management	United States	HUANG, Xingcan(BME); YU, Xinge(BME); YANG, Yawen(BME); CHOW, Lung(BME); nan
1778	CROSS LAMINATION STRUCTURE AND MAGNETIC CORES COMPRISING THE SAME	United States	WANG, Yibo(EE); JIANG, Chaoqiang(EE); MA, Tianlu(EE)
1780	AQUEOUS ZINC-BASED BATTERY WITH A HIGH HARDNESS HETEROSTRUCTURE MATERIAL	United States	YIN, Jianan(MNE); LU, Jian(MNE); CHEN, Yuhan(MNE)
1782	COMPOSITE MATERIAL AND ITS USE IN PASSIVE COOLING	United States	WANG, Steven(MNE); LO, Wai Kin(MNE); ZHANG, Zhenwen(MNE); XU, Qili(MNE); LIN, Wenzhu(MNE)
1783	A Gradient-Designed Embedded Seismic Metamaterial Barrier and The Implementation Method	China	Chen, Zhenyu*; Muhammad, Gulzari*; WANG, Guifeng(CA); LIM, Chee Wah(ACE)
1784	Synchronization Method for Wireless Power Transfer System by Detecting Voltage Transient Using a Sensor Inductor	United States	JIANG, Chaoqiang(EE); WANG, Xiaosheng(EE); MO, Liping(EE); Wang, Shuanling*
1785	An Epidermal Multimodal Closed-Loop System for Human-Drone interface	United States	LIU, Yiming(BME); YU, Xinge(BME); PARK, Wooyoung(BME); YIU, Chun Ki(BME)
1786	Ultra-low-friction and anti-wear titanium-MXene hybrid nanomembrane	United States	YANG, Yong(MNE); GENG, Yushan(MNE)
1787	Ultra-Tough Copper-Copper Bonding by Nano-Oxide-Dispersed Copper Nanomembranes	United States	YANG, Yong(MNE); TENG, Yun(MNE); GONG, Hao(MNE)
1788	SCREENING PANELS FOR HEPATOCELLULAR CARCINOMA	United States	NG, Ka Ki(BMS); YANG, Mengsu(BMS)
1791	FOUR-PORT OMNIDIRECTIONAL ANTENNA	United States	Peng Fei, HU*; HAN, Xu(EE); LEUNG, Kwok Wa(EE)

1792	Single-Sideband Generator Based on Optical Delay Line	United States	ZHANG, Ke(EE); FENG, Hanke(EE); CHEN, Yikun(EE); WANG, Cheng(EE)
1796	Method for Calibrating Processing Errors Enabled by Bound State in the Continuum in Nanoimprint Manufacturing of Semiconductor Devices	China	PANG, Stella W.(EE); ZHANG, Jingcheng(EI); TSAI, Din-ping(EI)
1799	ANTENNA DESIGN USING DEEP LEARNING	United States	LEUNG, Kwok Wa(EI); HUANG, Qiheng(EI)
1800	Compact Radiation Pattern Decoupling Design of Two-Dimensional MIMO Microstrip Antennas	United States	YANG, Nan*; LIU, Guangyao(EI); LEUNG, Kwok Wa(EI)
1801	A Method for Human Activity Recognition Based on Ear-worn Devices	China	XU, Weitao(CI); LYU, Shengzhe(CI)
1802	A Method for Solar-based Human Gesture Sensing Via a Wearable Signal Generation Framework	China	XU, Weitao(CI)
1803	LITHIUM METAL SOLID-STATE BATTERIES AND THE FABRICATION METHOD THEREOF	United States	ZHANG, Qichun(MSE); LEE, Chun Sing(CHEM); NARENTUOYA, -(MSE); GU, Qianfeng(MSE)
1804	BIOINSPIRED MAGNETICALLY INNER ACTUATED ROBOT SYSTEM	United States	LIU, Jun(MNE); WU, Tianyi(MNE); WANG, Min(MNE); LIU, Rui(MNE)
1807	LOW-DIMENSIONAL TELLURIUM IODIDE PEROVSKITE STRUCTURE AND AN AQUEOUS ZINC BATTERY USING THE SAME	United States	ZHI, Chunyi(MSE); WANG, Shixun(MSE)
1810	Mechanically Flipping Dual-mode Smart Windows for Energy Saving	United States	LEI, Dangyuan(MSE); FANG, Yanbo(MSE)
1812	Dynamic thiocarbamate bond-based passivators of perovskite	United States	nan
1813	MICROFLUIDIC-BASED ON-CHIP ELECTROCATALYTIC MICROCELL SYSTEM AND METHOD FOR FABRICATING THE SAME	United States	CHEN, Wenze(CHEM); LI, Ziyun(CHEM); ZHANG, Hua(CHEM)
1814	On-Chip Electro-Optic Device for Generating Frequency Comb	United States	ZHANG, Yiwen(EI); CHEN, Zhaoxi(EI); WANG, Cheng(EI)
1816	HIGH-STRENGTH, FINE-GRAINED ALUMINUM ALLOY MICROSTRUCTURE AND METHOD FOR FABRICATING THE SAME	United States	LU, Jian(MNE); nan; LI, Gan(MNE)

1817	Preparation of metal-organic frameworks/transition metal dichalcogenides van der Waals epitaxial heterostructures	United States	SHI, Zhenyu(CHEM); RUAN, Xinyang(CHEM); WU, Yuxuan(CHEM); ZHANG, Hua(CHEM)
1818	A physical knowledge guided remaining useful life prediction method for rolling bearings	China	DONG, Yining(DS); YIN, Chen(DS)
1819	TRANSFORMABLE ELECTRIC LAND-AIR AMPHIBIOUS VEHICLE DESIGN	United States	nan; ZHU, Qihao*
1820	Application of copper ions fluorescent probes in early Alzheimer's Disease diagnoses.	United States	Xia, Yiteng(E2); WANG, Wenxiong(E2)
1822	A method for preparing aligned monolayer two-dimensional rhenium disulfide flake with triangular shape and its large-scale single-crystal film on gold foil substrate	United States	HUANG, Lingli(CHEM); LY, Thuc Hue(CHEM); CHEN, Honglin(CHEM)
1823	DEVICES AND SYSTEMS OF INDUCING PAIN SENSATIONS IN VR ENVIRONMENTS THROUGH THERMAL GRILL ILLUSION (TGI)	United States	GAO, Haichen(SM); Cai, Shaoyu*; ZHU, Kening(SM)
1825	A solar-driven deep dehumidification system assisted by spectrum splitting	United States	LEE, Duu-Jong(MNE); ZHANG, Xiaobo(MNE)
1826	SINGLE-CRYSTAL METAL-FREE HELICAL COVALENT POLYMERS	United States	ZHANG, Qichun(MSE); XUE, Miaomiao(MSE)
1831	POWER-WATER COGENERATION SYSTEM WITH INTEGRATED THERMAL MANAGEMENT AND WATER GENERATION	United States	MAO, Zhengyi(MNE); LU, Jian(MNE)
1832	Rate Control for 360° Versatile Video Coding Based on Visual Gaze Mechanism	United States	CHEN, Peilin(CS); ZHAO, Zeming(CS); WANG, Shiqi(CS)
1835	Fluorescence-enabled colored bilayer sub-ambient radiative cooling coatings	United States	MA, Xue(MSE); LIU, Ying(MSE); LEI, Dangyuan(MSE)
1839	Multi-Functional Zinc-Boryl Reagent for Efficient Synthesis and Catalysis	United States	XU, Gan(CHEM); LU, Zhenpin(CHEM)
1840	Integration of Polyoxometalate Clusters with Self-Assembled Monolayer for Efficient and Robust Organic Photovoltaics	United States	JEN, Alex Kwan Yue(MSE); HUANG, Xiaofeng(CHEM)
1842	An thermal modeling method of the magnetic coupler in inductive power transfer application	United States	GUO, Weisheng(EE); JIANG, Chaoqiang(EE); WANG, Xiaosheng(EE); WANG, Yibo(EE)
1844	One-step fabrication of bilayer colored cellulose for sub-ambient radiative cooling	United States	LEI, Dangyuan(MSE); LIU, Ying(MSE)

1845	A Wideband Reconfigurable 2-bit Transmitarray Antenna	United States	XIANG, Bingjie(SKMW); LUK, Kwai Man(EE)
1846	TRANSMITARRAY ANTENNA DESIGN	United States	XIANG, Bingjie(SKMW); LUK, Kwai Man(EE)
1848	M3 LFA: Triple-Mode Probe with Colorimetric-Fluorescence-SERS (CFSERS) for Rapid and Non-invasive Inflammation Monitoring	United States	LI, Wei(BME); WANG, Xinrui(BME); KHOO, Bee Luan(BME)
1849	METHODS OF MANUFACTURE OF TEMPLATES WITH IrNi NANOBranCHES (NBS), IrNiCu@Cu NANOSTRUCTURES AND ELECTROCATALYSTS COMPRISING IrNiCu@Cu NANOSTRUCTURES, AND APPLICATIONS THEREOF	United States	WANG, Yunhao(CHEM); FAN, Zhanxi(CHEM); XIONG, Yuecheng(CHEM)
1850	A NOVEL STRUCTURE AND FABRICATION METHOD FOR PEROVSKITE SOLAR CELLS	United States	ZHU, Zonglong(CHEM); LI, Bo(CHEM); GAO, Danpeng(CHEM)
1853	HOPPING ROBOT WITH BIDIRECTIONAL THRUSTERS	United States	DING, Runze(BME); LI, Song(BME); BAI, Songnan(BME); CHIRARATTANANON, Pakpong(BME)
1856	A chemically complex intermetallic compound alloy with exceptional comprehensive performance.	United States	GAN, Jie(MSE); YANG, Tao(MSE)
1860	Recyclable Patternable Stretchable Three-Dimensional Core-Sheath Cable	United States	YU, Xinge(BME); WU, Pengcheng(BME)
1866	Method and Composition for Improved Solar Cell Manufacturing Using Azeotropic Solvent Systems	United States	YIP, Hin Lap(MSE); DU, Gengxin(MSE)
1873	Efficient Privacy-Preserving Day-ahead Renewable Power Generation Probabilistic Forecasting Model Development Method	United States	ZHANG, Zijun(DS); LIU, Hong(DS)
1876	Multifocal Metalens for Myopia Control	China	TSAI, Din-ping(EE); ZHOU, Junxiao(EE)
1882	3D printing and heat treatment of MXene/cellulose-derived carbon aerogels, and applications thereof	United States	LU, Jian(MNE); OSMAN, Amr Ali Abdelaty Ali(MSE)
1884	A method to eliminate the screen-door effect in display device	United States	HE, Jr-Hau(MSE); WANG, Weijia(MSE)
1885	Decoder Gradient Shield – Method and Apparatus to Protect Watermark Removal from Deep Learning Based Image Generation Model Outputs	United States	FANG, Yuguang(CS); AN, Haonan(CS); Hua, Guang*

1889	Rapid and sensitive one-pot CRISPR/Cas12a-based detection of enteroaggregative Escherichia coli	United States	LEE, Patrick Kwan Hon(E2); LIM, Chee Kent(E2); KWOK, Chun Kit(CHEM); LIEW, Shiau Wei(CHEM)
1925	OPTICAL SENSOR AND SENSING METHOD	United States	FOO, Yishu(MSE); PHOO, May Thawda(MSE); ZAPIEN, Juan Antonio(MSE); ZHANG, Yun(MSE)
1926	A METHOD FOR LOW-TEMPERATURE COPPER-TO-COPPER BONDING UTILIZING NANOCRYSTALS	United States	nan; YE, Ziting(MSE)
1944	A constructable 3D AI Processor system design scheme based on Fine Grain Cube (FGC) Architecture	United States	nan; CHEN, Yulong(EE)

**(updated in 12 Mar, 2025)**

*	Non-CityU
AC	(AC) Department of Accountancy
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
<b>DEPT CODE</b>	<b>NAME</b>
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
MGT	(MGT) Department of Management
MNE	(MNE) Department of Mechanical Engineering
MS	(MS) Department of Management Sciences
MSE	(MSE) Department of Materials Science and Engineering
NPMM	(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
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