

IDF	PATENT TITLE	COUNTRY/REGION	INVENTOR (DEPARTMENT - scroll down to see department code) *inclusive of joint-owned patents with non-CityU partners/inventors
093	Doped Polymeric Optical Waveguide Amplifiers	United States	PUN, Yue Bun Edwin(EE); WONG, Wing Han Polis(EE)
094	System and Method of Translating a Relational Database into an XML Document and Vice Versa	United States	FONG, Shi Piu Joseph(CS)
095	Method for Fabricating Buried Ion-Exchanged Waveguides Using Field-Assisted Annealing	United States	PUN, Yue Bun Edwin(EE); LIU, Ke(EE)
104	Rechargeable Battery Circuit and Structure for Compatibility with a Planar Inductive Charging Platform	United States	HUI, Shu Yuen Ron(EE)
112	Wideband Linearization and Adaptive Power Management for Microwave Power Amplifiers	United States	XUE, Quan(EE); LAU, Kwok Wai(EE)
123	Method of in vivo Screening for Cardiac Toxic Agents Using Teleost	United States	CHAN, Po Kwok Eric(TED); CHENG, Shuk Han(BMS)
124	Method for Screening Agent with Angiogenic-modulating Activities Using Teleost Embryo	United States	CHENG, Shuk Han(BMS); CHAN, Po Kwok Eric(TED)
130	Method and Apparatus for Calculating an SSD and Encoding a Video Signal	United States	PO, Lai Man(EE); GUO, Kai(EE)
146	Battery Charging Apparatus with Planar Inductive Charging Platform	United States	LIU, Xun(EE); HUI, Shu Yuen Ron(EE)
151	Bit Rate Estimation in Data or Video Compression	United States	PO, Lai Man(EE); SARWER, Mohammed Golam(EE)
164	Dielectric Loaded Elliptical Helix Antenna	United States	YUNG, Kai Ning Edward(EE); WONG, Hang(EE); CHE, Wenquan Cherry*; CHAN, Pak Wai(EE)
165	Unidirectional Antenna Comprising a Dipole and a Loop	United States	WONG, Hang(EE); CHAN, Pak Wai(EE); YUNG, Kai Ning Edward(EE)
170	Method for Encoding a Plurality of Video Signals into a Single Video Signal	United States	TSANG, Wai Ming Peter(EE)
171	Motion Estimation Method	United States	NG, Ka Ho(EE); PO, Lai Man(EE)
172	Method for Implementing Encryption and Transmission of Information and System Thereof	United States	WONG, Shek Duncan(CS); XIONG, Xiaokang(CS)
177	Solvatochromic Functional Monomer and the Use Thereof for Chemosensing by Solvatochromic Molecular Imprinting	United States	LAM, Hon Wah Michael(CHEM); GONG, Chengbin(BCH)
179	Suffix Tree Similarity Measure for Document Clustering	United States	CHIM, Hung(EE); DENG, Xiaotie(CS)

180	Advancing a Committed Transaction Time	United States	HU, Chunyan Bessie(CS); HUANG, Qiong(CS); YANG, Guomin(CS); WONG, Shek Duncan(CS); DENG, Xiaotie(CS)
185	Method and Numerical Tool for Optimizing Light Emitting Diode Systems	United States	HUI, Shu Yuen Ron(EE)
187	Apparatus and Method for Calibrating a Variable Phase Shifter	United States	XUE, Quan(EE); WAN, Kwun Chiu(EE)
189	Method and Apparatus to Provide Active Cancellation of the Effects of the Parasitic Elements in Capacitors	United States	YAN, Wai To(EE); CHUNG, Shu Hung Henry(EE)
194	Apparatus and Methods of Operation of Passive LED Lighting Equipment	United States	CHEN, Wu*; HUI, Shu Yuen Ron(EE)
197	Method of Making a Porous TIO2 Photonic Film	United States	LI, Yangyang(MSE); CHENG, Jianwen(AP); TSANG, Chun Kwan(AP); XU, Zhengtao(CHEM)
202	Method and Apparatus Using Carbon Nanotubes for Hydrogen Storage	United States	ZHANG, Ruiqin(PHY)
203	Computer Implemented Method for Generating Binary Holograms	United States	TSANG, Wai Ming Peter(EE); CHEUNG, Wai Keung Kayton(EE)
204	Light Transmissible Resonators for Circuit and Antenna Applications	United States and others	LIM, Eng Hock(EE); LEUNG, Kwok Wa(EE)
209	Well Focused Catadioptric Image Acquisition	United States	LI, You Fu(MNE); LI, Weiming(MEEM)
211	Audio Spatial Effect Enhancement	United States	TSANG, Wai Ming Peter(EE)
213	Power Quality Meter and Method of Waveform Analysis and Compression	United States	TSE, Chung Fai Norman(BST); LAU, Wing Hong Ricky(EE)
218	Magnetic Memory Cell	China	RUOTOLO, Antonio(MSE)
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	HO, Wing Choi(EE); HUI, Shu Yuen Ron(EE); ZHONG, Wenxing(EE)
224	Solar Energy Collection Antennas	United States	LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE)
225	Method for Generating Multi-view Images from Single Image	China	TSANG, Wai Ming Peter(EE)
227	Driver for Two or More Parallel LED Light Strings	United States and others	CHEN, Wu*; HUI, Shu Yuen Ron(EE)
229	Fast Generation of Holograms	United States	CHEUNG, Wai Keung Kayton(EE); TSANG, Wai Ming Peter(EE)
234	Wideband Active Quasi-Circulator	United States	CHAN, Wing Shing(EE); MUNG, Wai Yin Steve(EE)
236	Elliptically or Circularly Polarized Dielectric Block Antenna	China	PAN, Yongmei(EE); LU, Kai(EE); LEUNG, Kwok Wa(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(EE)
243	Methods for Modeling and Analysis of Interface between Point Patterns	United States	YAN, Hong(EE); ZHOU, Weiqiang(EE)
244	Driver Circuit for Powering a DC Lamp in a Non-DC Lamp Fitting	United States	CHUNG, Shu Hung Henry(EE); CHEN, Nan(EE)
245	Composite of Porous Substrate and One-Dimensional Nanomaterial and Method for Preparing The Same, Surface-Modified Composite and Method for Preparing The Same	United States	LEE, Shuit Tong(AP); LEE, Chun Sing(CHEM); FUNG, Man Keung Roy(AP); TANG, Yongbing(AP); CHAN, Chiu Yee(CHEM)
247	Fluorescence PCR Method for Diagnosing Infection of Chlamydia Trachomatis, Neisseria Gonorrhoeae And Ureaplasma Urealyticum	China	YANG, Mengsu(BMS); FU, Huayang(BMS); TZANG, Chi Hung Lawrence(BCH)
250	DC Link Module and Method for Operating the Same	United States and others	WANG, Huai*; CHUNG, Shu Hung Henry(EE)
252	Construction Structure and Method of Making Thereof	United States	WU, Yufei(CA); LU, Jian(MNE)
254	Nickel Complexes for Flexible Transistors and Inverters	United States	KWOK, Tat Kun Dixon(MSE); CHU, Paul Kim Ho(PHY); XU, Zong-Xiang(MSE); VELLAISAMY, A. L. Roy(MSE)
258	Automatic Switching of a Multi-Mode Projector Display Screen for Displaying Three-Dimensional and Two-Dimensional Images	China	TSANG, Wai Ming Peter(EE)
262	Rate Control for Content Transcoding	United States	XU, Long(CS); KWONG, Tak Wu Sam*
268	Method and Means for Identification of Animal Species	United States and others	LIN, Chun Chi(PH); CHENG, Shuk Han(BMS)
270	Aesthetic Dielectric Antenna And Method of Discretely Emitting Radiation Pattern Using Same	United States and others	FANG, XiaoSheng(EE); LEUNG, Kwok Wa(EE); LIM, Eng Hock(EE)
271	System and Method for Emulating a Gas Discharge Lamp	United States and others	CHEN, Nan(EE); CHUNG, Shu Hung Henry(EE)
272	Wireless Optical Charging And Power Supply	United States and others	TSANG, Wai Ming Peter(EE)
274	Method, System and Medium for Character Conversion Between Different Regional Versions of a Language Especially Between Simplified Chinese and Traditional Chinese	United States	ZHU, Chunshen(CAH); HAO, Tianyong(CTL)
275	Identification Tracking Method And Device Used in Conversion Between Simplified Chinese And Traditional Chinese	China	HAO, Tianyong(CTL); ZHU, Chunshen(CAH)
276	Method And Device for Punctuation Mark Conversion	China	HAO, Tianyong(CTL); ZHU, Chunshen(CAH)

277	Correction Processing Method And Correction Processing Device	China	ZHU, Chunshen(CAH); HAO, Tianyong(CTL)
278	Methods And Systems for Generating Simplified And Traditional Chinese Conversion Template And Realizing Simplified And Traditional Chinese Conversion Based on Template	China	HAO, Tianyong(CTL); ZHU, Chunshen(CAH)
279	Thermo-Electric Generator Module	United States and others	LEUNG, Yee Tak Andrew(CA); WONG, Chung Kai Joseph(CA); VELLAISAMY, A. L. Roy(MSE)
280	System And Method for Estimating Component Parameters	United States and others	CHUNG, Shu Hung Henry(EE); CHEN, Nan(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	United States and others	LAM, Tik Hang(AP); ZHANG, Ruiqin(PHY)
287	Transmission Line And Methods for Fabricating Thereof	United States and others	XUE, Quan(EE); CHIU, Leung(EE)
288	Device for routing light among a set of optical waveguides	United States	TSVETKOV, Valentine A(EE); HO, Wing Fat(EE); CHAN, Hau Ping Andy(EE)
289	Metal Nano Particle Single Layer	China	ZHOU, Ye(AP); HAN, Su-Ting(AP); VELLAISAMY, A. L. Roy(MSE)
290	Methods And Means for Manipulating Particles	United States and others	WANG, Xiaolin(MBE); SUN, Dong(BME)
292	Mechanically Robust Fast-dissolving Microneedles for Transdermal Drug And Vaccine Delivery	United States and others	CHEN, Xianfeng(AP); YAN, Li(RSDA)
293	System And Method for Operating A Power Amplifier And A Load Modulation Network	China	XUE, Quan(EE); CHEN, Shichang(EE)
294	Phased Array, A coherent Source Array, An Antenna Array And A System for Controlling Thereof	United States and others	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	LUK, Kwai Man(EE); WONG, Hang(EE); LAI, Hau Wah(SKMW); XUE, Quan(EE); CHAN, Chi Hou(EE); SO, Kwok Kan(SKMW)
302	A High Flow and Multi-application Aerosol to Hydrosol Air Sampler and Sampling Method	China	NING, Zhi(E2)
304	Plasmonic Enhanced Tandem Dye Sensitized Solar Cell with Metallic Nanostructures	China	LEE, Chun Sing(CHEM); WU, Lawrence(MSE); 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	JIAO, Zengbao(MBE); LIU, Chain Tsuan(IAS)

308	Patch Antenna	United States and others	LIU, Juhua(SKMW); XUE, Quan(EE)
309	Patch Antenna	China	XUE, Quan(EE); LIU, Juhua(SKMW)
310	Scattering Screen System, Method of Manufacture And Application Thereof	China	WANG, Hao(AP); LU, Zhenzhen(AP); ZHANG, Wenjun(MSE); LEE, Chun Sing(CHEM)
312	Perfluoro-t-Butoxy Allyl and Propargyl Ethers	United States and others - Filed	LAW, Chung Kay Edwin(CHEM); HORVATH, Istvan Tamas(CHEM); WONG, Kwun Chung Paul(BCH); LUI, Yuk Yu Matthew(CHEM); LAU, Kai Chung(CHEM)
314	System and Method for Transmitting Data in a Network	United States	ZUKERMAN, Moshe(EE); WONG, Wing Ming Eric(EE); LI, Shuo(EE); WANG, Meiqian(EE)
315	Method and Apparatus for Depth Video Coding Using Endurable View Synthesis Distortion	United States	KWONG, Tak Wu Sam*; ZHANG, Yun(CS)
317	Current Distribution Apparatus	United States	CHUNG, Shu Hung Henry(EE)
319	Electrical Load Driving Apparatu	United States and others	ZHANG, Rui Hong(EE); CHUNG, Shu Hung Henry(EE)
320	Power Amplifier	United States and others	XUE, Quan(EE); CHEN, Shichang(EE)
321	Method for Separating Kukoamine	China	CHEUNG, Hon Yeung(BMS); LI, Yuan Yuan(BMS); DI, Rui(BCH)
323	Microstrip Line Filter	United States and others	XUE, Quan(EE); QIN, Wei(EE)
326	Waveguides	United States and others	TSUI, Ping Yuen Jacky(EE); ZHOU, Peng(AP); CHU, Sai Tak(PHY); PUN, Yue Bun Edwin(EE)
327	Target Pointing System Making Use of Velocity Dependent Cursor	United States	SU, Xiaojun(CS); LAU, Rynson W H(CS); AU, Kin Chung(SM)
329	多孔架構及其制造方法	China	LI, Yangyang(MSE); LU, Jian(MNE); TSANG, Chun Kwan(AP)
330	Waveguide Coupler	United States and others	ZHOU, Peng(AP); TSUI, Ping Yuen Jacky(EE); CHU, Sai Tak(PHY)
332	Determining Faulty Nodes Via Label Propagation within Wireless Sensor Network	United States and others	CHOW, Wai Shing Tommy(EE); ZHAO, Mingbo(EE)
333	Solar Battery And Manufacturing Method Thereof	China	LIU, Zhen(AP); FUNG, Man Keung Roy(AP); LEE, Chun Sing(CHEM); ZHANG, Xiaohong*
334	USB Power Supply	China	CHUNG, Shu Hung Henry(EE); CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST)
337	Fast Generation of Pure Phase Digital Holograms	United States	TSANG, Wai Ming Peter(EE)
338	Converting Complex Holograms to Phase Holograms	United States	TSANG, Wai Ming Peter(EE)
339	Signal Modulating Interface for A Solid State Electronic Device	China	CHUNG, Shu Hung Henry(EE); WANG, Jianjing(EE)
341	Apparatus And A Method for Surface Processing A Metallic Structure	United States and others	LU, Jian(MNE); LI, Ying(MNE)

344	Method of Fabricating Improved Porous Metallic Material and Resulting Structure Thereof	United States	ZHANG, Jie(MBE); LI, Yangyang(MSE); LU, Jian(MNE)
345	Etching in the Presence of Alternating Voltage Profile and Resulting Porous Structure	United States	LI, Yangyang(MSE); LU, Jian(MNE); ZHANG, Jie(MBE)
347	Detection of Analyte Using Coffee-ring Effect	United States	CHEN, Ting Hsuan(BME); LIU, Wei(MBE); LI, Yuanhang(EF)
348	Light Sensor	United States	CHUNG, Shu Hung Henry(EF); YEUNG, Sin Yu(MBE); LAU, Tsz Kit(MBE); WONG, Hoi Ling(CA); SIU, Hoi Sing(EF); CHEUNG, Sui Pung(CSCR)
349	Power Amplifier Circuit for Communication Systems	United States and others	SHEN, Yi(EF); TSANG, Kim Fung(EF)
350	Composite for Preparing a Transdermal Delivery Device and Method for Synthesizing the Composite Thereof	United States	CHEN, Xianfeng(AP); CHEN, Wei(AP)
351	Membrane Staining Dyes Containing Phosphorescent Transition Metal Polypyridine Complexes	United States	ZHANG, Yin(BCH); LAU, Tsan Shing(BCH); HUA, Lijuan(BCH); LO, Kam Wing Kenneth(CHEM)
352	Structure of Energetic Materials And The Method for Preparing Thereof	China	ZHANG, Kaili(MNE); LU, Jian(MNE)
353	Fabrication and Replication of Polymer Optical Waveguides	United States	CHIANG, Kin Seng(EF); JIN, Wei(EF); CHAN, Hau Ping Andy(EF)
355	Apparatus And A Method for Electromagnetic Signal Transition	United States and others	WU, Peng(EF); XUE, Quan(EF)
356	Neural Induced Enhancement of Audio Signals	United States and others	TSANG, Wai Ming Peter(EF)
357	Method And A Device for Detecting A Substance	United States and others	WESTERDAHL, Dane(E2); WONG, Ka Chun(E2); CHAN, Ka Lok(E2); NING, Zhi(E2)
358	Circularly Polarized Antenna	United States and others	XUE, Quan(EF); LIAO, Shaowei(SKMW); WU, Peng(EF)
359	Conversion of Complex Holograms to Phase Holograms	United States	TSANG, Wai Ming Peter(EF)
360	Target Acquisition System for Use in Touch Screen Graphical Interface	China	AU, Kin Chung(SM); SU, Xiaojun(CS); LAU, Rynson W H(CS)
361	Loaded Particles and the Method of Preparing Thereof	United States	YAN, Li(RSDA); CHEN, Xianfeng(AP)
364	Electromagnetic Wave Mode Transducer	United States and others	XUE, Quan(EF); WU, Peng(EF)
365	Current Control Apparatus	United States and others	FAN, Wing To(EF); YUEN, Kuen Faat(EF); CHUNG, Shu Hung Henry(EF)
366	An Input Filter for a Power Electronic System	United States and others	YUEN, Kuen Faat(EF); CHUNG, Shu Hung Henry(EF); FAN, Wing To(EF)
367	Power Factor Correction Circuit for a Power Electronic System	United States	YUEN, Kuen Faat(EF); CHUNG, Shu Hung Henry(EF); FAN, Wing To(EF)

368	Facilitating improved luminance uniformity in organic light emitting diode device panels	United States	YAN, Wei(CSCR)
369	Facilitating Improved Luminance Uniformity in Organic Light Emitting Diode Device Panels	United States	CHUNG, Shu Hung Henry(EE); YAN, Wei(CSCR)
370	N-Way Coaxial Waveguide Power Divider/Combiner	United States	WU, Peng(EE); XUE, Quan(EE)
371	Neural control holography	United States	TSANG, Wai Ming Peter(EE)
376	Holographic Encryption of Multi-Dimensional Images	United States	TSANG, Wai Ming Peter(EE)
378	Monitoring User Activity Using Wearable Motion Sensing Device	United States	CHAN, L H Leanne(EE); CHING, Hong Yan(EE); CHOI, Chi Kuen(EE); YAN, Hong(EE); CHIM, Hung(EE)
380	A System And Method for Detecting A Defect In A Structure Member	United States and others	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	HU, Dinglong(MBE); LAM, Hiu Wai Raymond(BME); CHENG, Tin Kei(MBE)
388	Inductive Power Transfer for Driving Multiple Organic Light Emitting Diode Panels	United States	ZHANG, Rui Hong(EE); ZHOU, Rui(EE); CHUNG, Shu Hung Henry(EE)
389	Nanoparticle Composition for use in Targeting Cancer StemCells and Method for Treatment of Cancer	United States	LIU, Dandan(BMS); YANG, Mengsu(BMS)
390	Nanostructured-Lattices Produced by Surface Mechanical Attrition Treatment Method	United States	WEN, Chunsheng(MBE); LU, Jian(MNE); MAI, Phu Son*
392	Surface Mechanical Attrition Treatment (SMAT) Methods and Systems for Modifying Nanostructures	United States and others	LU, Jian(MNE); LI, Yangyang(MSE); LEE, Christopher Michael(MBE)
393	LED Lighting Circuit	United States and others	ZHANG, Rui Hong(EE); CHUNG, Shu Hung Henry(EE)
394	Shorted Bowtie Patch Antenna with Parasitic Shorted Patches	United States and others	CHAN, Chi Hou(EE); LAI, Hau Wah(SKMW); LUK, Kwai Man(EE); MAK, Ka Ming(SKMW)
395	Sorbent Material and a Method for Enhancing Sorption Performance Thereof	United States	CHAN, Chiu Yee(CHEM); TANG, Yongbing(AP); LEE, Chun Sing(CHEM); WONG, Fu Lung(CHEM)
396	Dual Polarized High Gain And Wideband Complementary Antenna	United States and others	LUK, Kwai Man(EE); LAI, Hau Wah(SKMW); WONG, Hang(EE); CHAN, Chi Hou(EE); SO, Kwok Kan(SKMW)

397	Differential Planar Aperture Antenna	United States	XUE, Quan(EE); WU, Peng(EE); LIAO, Shaowei(SKMW)
398	Aperture-Coupled Microstrip-Line Feed for Circularly Polarized Patch Antenna	United States	CHAN, Chi Hou(EE); LAI, Hau Wah(SKMW); LUK, Kwai Man(EE); MAK, Ka Ming(SKMW)
399	Electronic Device for Data Storage And A Method of Producing An Electronic Device for Data Storage	United States and others	VELLAISAMY, A. L. Roy(MSE); ZHOU, Ye(AP); HAN, Su-Ting(AP)
400	Method of Determining Cell Cycle Stage Distribution of Cells	United States	DONG, Hong Juan*; LAM, Yun Wah(SI)
401	Fast Generation of Digital Holograms	United States	TSANG, Wai Ming Peter(EE)
402	Holographic Encryption of Multi-Dimensional Images and Decryption of Encrypted Multi-Dimensional Images	United States	TSANG, Wai Ming Peter(EE)
404	A Medium for a Dental Structure	United States	CHEN, Bing(MBE); NIU, Xinrui(MNE); LU, Jian(MNE)
409	A Complementary Antenna And An Antenna System	United States and others	LI, Yujian(EE); LUK, Kwai Man(EE)
410	Converting a Single-Ended Signal to a Differential Signal	United States	XUE, Quan(EE); LIAO, Shaowei(SKMW)
412	Heterodinuclear Platinum-Ruthenium Complexes, Preparation Thereof and Therapeutic Use Thereof	United States	ZHU, Guangyu(CHEM); MA, Lili(CHEM)
414	A Method and Apparatus for Matching Buyers with Sellers in a Marketplace to Facilitate Trade	United States and others	TAN, Chee Wei(CS); ZHENG, Liang(CS)
418	Quadrature Voltage Controlled Oscillator	United States and others	ZHANG, Haiwei(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW)
419	Electronic Apparatus for Use in A Communication System	United States and others	SHUM, Kam Man(SKMW); XUE, Quan(EE); LAM, Wai Lun(EE)
420	Impedance Matching Arrangement for Amplifier And Amplifier	United States and others	ZHANG, Haiwei(EE); XUE, Quan(EE); SHUM, Kam Man(SKMW)
421	Facilitation of Increased Locking Range Transistors	United States and others	ZHOU, Haifeng(SKMW); SHUM, Kam Man(SKMW); XUE, Quan(EE)
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	LEE, Chun Sing(CHEM); YU, Yau Wai Denis(E2); KANG, Wenpei(AP)
424	Antenna	United States and others	PAN, Yongmei(EE); LEUNG, Kwok Wa(EE); GUO, Lei(EE)
425	Phosphorescent Transition Metal Complex, Its Preparation And Use	United States and others	LIU, Huawei(CHEM); LEE, Cho Cheung(CHEM); LO, Kam Wing Kenneth(CHEM)
426	Homogeneous and Transparent Protective Coatings for Precious Metals and Copper Alloys	United States	LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE)
427	A Composite Material Based Panel	United States and others	LU, Yang(MNE)
428	Electrochemical Detector	United States and others	VELLAISAMY, A. L. Roy(MSE)

429	Chemosensing Hydrogel for The Detection of Biogenic Amines	United States and others	LAM, Hon Wah Michael(CHEM)
431	A Repairable Electrical Component	United States and others	ZHI, Chunyi(MSE); HUANG, Yan(MSE); HUANG, Yang(AP)
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 and others	CHAN, Antoni Bert(CS); PANG, Xufang(CS); LAU, Rynson W H(CS); CAO, Ying(CS)
436	Nanoparticles, Method of Preparing The Same And Their Use	United States	ZHANG, Jinfeng(CHEM); ZHANG, Xiaohong*; WONG, Fu Lung(CHEM); LEE, Chun Sing(CHEM)
440	Polyelectrolyte, Production And Use Thereof in Energy Storage Devices	United States and others	HUANG, Yan(MSE); ZHI, Chunyi(MSE)
441	Material For Use In A Battery, A Battery And A Method Of Manufacturing A Material For Use In A Battery	China	YU, Yau Wai Denis(E2); LI, Yingshun(AERC)
442	Substrate for A Three-dimensional Cell Culture, Its Preparation And Use	United States and others	WAN, Wenfeng(MBE); SHEN, Yajing(BME); DAI, Gaole(MBE)
443	System And Method for Manipulating An Object for Imaging	United States and others	WAN, Wenfeng(MBE); ZHANG, Lijun(MBE); SHEN, Yajing(BME)
445	Structural Panel, A Strucutral System And A Method of Forming A Structural Panel	United States and others	LAI, Ki Leuk Joseph(AP)
446	An Apparatus for Generating Moveable Screen Across A Three Dimensional Space	United States	CHEN, Bin(SM); HUANG, Yaozhun(BME); LAM, Miu Ling(SM)
447	Method of producing graphene-based materials, obtainable materials and their use	United States	KAI, Ji-jung(MNE); HU, Yonglong(MBE); NIU, Xinrui(MNE)
448	A Material for An Electronic Device	United States and others	WANG, Aiwu(MNE); LU, Jian(MNE); LI, Yangyang(MSE)
449	Circuit And Method for Promoting Bandwidth Enhancement of Low Noise Amplifier	United States and others	QIN, Pei(EE); SHUM, Kam Man(SKMW); XUE, Quan(EE)
450	Method for Treating Surface of Metallic Structure	United States and others	LI, Yangyang(MSE); LU, Jian(MNE); ZHAN, Yawen(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	DONG, Miaomiao(EE); CHAN, Wai Ming(EE); KIM, Taejoon(EE)

453	An Electric Device for Detecting Pressure	United States and others	SUN, Qijun(MSE); ZHUANG, Jiaqing(AP); VELLAISAMY, A. L. Roy(MSE)
454	Circuit Arrangement for Filtering An Electric Current	United States and others	WANG, Kewei(EE); CHUNG, Shu Hung Henry(EE)
455	Semiconductor Film and Method of Forming the Same	United States	BIAN, Juncao(PHY); ZHANG, Ruiqin(PHY)
456	Circularly Polarized Planar Aperture Antenna with High Gain and Wide Bandwidth for Millimeter-Wave Application	United States	BISHARAT, Dia'aaldin J.(EE); LIAO, Shaowei(SKMW); XUE, Quan(EE)
458	A Multistable Structure and a Method for Making Thereof	United States and others	HE, Xiaoqiao(CA); YI, Shenghui(CA); LU, Jian(MNE)
459	Electrchemical Detector	United States and others	VELLAISAMY, A. L. Roy(MSE); VENKATESH, Shishir(MSE); LI, Tan(CA)
461	System And Method for Load Balancing in A Data Network	United States and others	XU, Hong(CS); WANG, Peng(CS)
462	Composite Negative Material Adopting Three-dimensional Porous Carbon to Coat Silicon And Preparation Method Thereof	China	ZOU, Rujia(AP); YUEN, Muk Fung(MSE); ZHANG, Wenjun(MSE)
465	A Thermostat Apparatus And A Temperature Regulation System	China	CHUNG, Shu Hung Henry(EE); TSE, Chung Fai Norman(BST); CHAN, Yau Chung(CA); LAI, Chun Tak(EE); LAI, Chun Tak*; YEUNG, Shun Cheung(EE)
466	Thermostat Apparatus And Temperature Regulation System	China	YEUNG, Shun Cheung(EE); LAI, Chun Tak*; LAI, Chun Tak(EE); CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE)
467	A Thermostat Regulation System And A Power Regulation Apparatus	China	YEUNG, Shun Cheung(EE); LAI, Chun Tak(EE); LAI, Chun Tak*; CHAN, Yau Chung(CA); TSE, Chung Fai Norman(BST); CHUNG, Shu Hung Henry(EE)
468	Electrical Apparatus And Method for Fabricating Electrical Apparatus	United States and others	ZHU, Minshen(MSE); ZHI, Chunyi(MSE)
469	Server Farm and Method for Operating the Same	United States	ZUKERMAN, Moshe(EE); FU, Jing(EE); GUO, Jun(EE); WONG, Wing Ming Eric(EE); MORAN, William*
472	Efficiently Generating a High Quality Patterned-Phase-Only Hologram for Display on a Single Device	United States	CHOW, Yuk Tak(EE); TSANG, Wai Ming Peter(EE)
474	Optochemical Detector and a Method for Fabricating an Optochemical Detector	United States	NG, Siu Pang(MSE); WU, Lawrence(MSE); LAW, Hui Lun Anton(AP); QIU, Guangyu(MSE)
478	A Navigation Assistance System	Hong Kong	CHEUNG, Chak Chung Ray(EE); LI, Tsz Kan(CB); CHAU, Yin Chi(AC); TSE, Pui Yee Eva(SS); CHAN, Ka Lee(SS); NGAI, Lok Yi Anthy(SS); CHEUNG, Terence C.H.(CB); TSE, Ka Pik(IS); LAI, Chi Fai(IS)
479	A Method for Regulating An Electrical Power Circuit And Electrical Power Regulating Apparatus	United States and others	TSE, Hiu Kwan(EE); CHUNG, Shu Hung Henry(EE)

480	Determination of a Concentration of an Analyte in a Subject	United States	HO, Derek(MSE); YAN, Wenrong(MSE); WEI, Liping(MSE); TIAN, Yi(MSE)
481	An Electronic System for Creating an Image and a Method of Creating an Image	United States	TSANG, Sze Chun(MGT); LAM, Miu Ling(SM); HUANG, Yaozhun(BME); CHEN, Bin(SM)
482	Kit and a Method for Determining the Presence or Amount of a Target Nucleic Acid Sequence in a Sample	United States	ZHAO, Zichen(MBE); CHEN, Shan(MBE); AU IEONG, IEONG Ka I(MBE); CHEN, Ting Hsuan(BME)
484	Emissions Treatment Apparatus and a Method for Treating Emissions	United States	LAU, Siu Chuen(MSE); WONG, Chung Kai Joseph(CA); VELLAISAMY, A. L. Roy(MSE)
485	Method and An Apparatus for Use in an Electric Circuit	United States	LAU, Wing Hong Ricky(EE); CHENG, Chun Sing(EE); CHUNG, Shu Hung Henry(EE)
489	Method for Use in Optical Imaging, A System for Using in Optical Imaging And An Optical System	United States	LU, Haojian(BME); SHEN, Yajing(BME)
490	Phase Retrieval Using Coordinate Decent Techniques	United States	ZENG, Wenjun(EE); SO, Hing Cheung(EE)
491	SYSTEM, DEVICE AND SENSOR FOR MONITORING CIRCULATORY CONDITIONS AND A METHOD FOR MANUFACTURING THE SAME	United States	SUN, Qijun(MSE); ZHUANG, Jiaqing(AP); VELLAISAMY, A. L. Roy(MSE)
492	Augmented Reality Systems and Methods	United States	TSANG, Wai Ming Peter(EE)
494	Metallic Structure	United States	WU, Ge(MNE); LU, Jian(MNE)
495	System and Method for Delivery of Substrate into Mammalian Cells	United States	CHOW, Yu Ting(MBE); WANG, Ran(MBE); SUN, Dong(BME)
496	Systems And Methods for Rate Control in Video Coding Using Joint Machine Learning And Game Theory	United States	KWONG, Tak Wu Sam*; GAO, Wei(CS)
497	Metal Material And A Method for Use in Fabricating Thereof	United States	WU, Ge(MNE); LU, Jian(MNE)
498	A Circuit Arrangement for use in a Power Conversion Stage adn a Method of Controlling a Power Conversion Stage	United States	CHUNG, Shu Hung Henry(EE); WANG, Kewei(EE)
499	An Electrochemical Detector	United States and others	VENKATESH, Shishir(MSE); YEUNG, Chi Chung(CHEM); VELLAISAMY, A. L. Roy(MSE)
501	Counter-rotating vertical axis wind turbine with deflector and vortex generators	United States	PENG, Hua Yi(CA); LAM, Heung Fai(CA)
502	Method of Fabricating Nanoporous Metal Structure	United States	SHEK, Chan Hung(MSE); XU, Yi(MSE); YIU, Pak Man(AP)
503	Small-Intererigin RNA Expression Systems for Production of Small-Interferiong RNAs and Their Use	United States and others	HUANG, Lin Feng(BMS); CHEUNG, Hung Chi(BMS); KAUR, Guneet(E2); REN, Yu Tian(VM)
504	Systems and Methods for Privacy-Assured Similarity Joins Over Encrypted Datasets	United States	WANG, Cong(CS); WANG, XinYu(CS); YU, Chen Yun(CS); NUTANONG, Sarana(CS); YUAN, Xing Liang(CS)

505	Luminogenic Transition Metal-based Pyridyl Complex and Its Use	United States	TANG, Siu Ming(BCH); LEE, Cho Cheung(CHEM); LIU, Huawei(CHEM); LO, Kam Wing Kenneth(CHEM)
506	Composite Material Composition And A Method of Forming A Composite Material Composition	United States	SONG, Jian(MBE); LU, Yang(MNE)
507	Cytotoxic Plantium Complex, its Preparation and Therapeutic Use	United States	MA, Lili(CHEM); ZHU, Guangyu(CHEM)
508	Cubic Boron Nitride Coating Cutter And Preparation Method Thereof	China	HE, Bin(MSE); ZHANG, Wenjun(MSE)
510	Method of Converting an Organic Waste and its Product and Use of the Product	Hong Kong	KWAN, Tsz Him(E2); Ming, Yiu Heng Ernest*; LIN, Sze Ki Carol(E2)
512	Systems and Methods for Optical Frequency Comb Generation Using a Microring Resonator	United States	CHU, Sai Tak(PHY); ZHU, Kun(PHY)
513	Method for Preparing Hierarchically Porous Doped Carbon Material and its use	United States	PEI, ZengXia(MSE); ZHI, Chunyi(MSE)
514	High Entropy Alloy Thin Film Coating and Method for Preparing The Same	United States	LIAO, Weibing(MBE); LU, Yang(MNE)
515	Method for Surface Modification of Nanoparticles	United States	KONG, Wei(MSE); SUN, Tian Ying(MSE); WANG, Feng(MSE)
516	An Apparatus and Method for Testing Performacne of an Electrosurgical Tool	United States	LI, Kwok Yan(MNE); SHUM, Po Wan(MBE); ZHOU, Zhifeng(NPMM)
517	Cerium Oxide Coating, Its Preparation and Use	United States	ZHOU, Zhifeng(NPMM); SHUM, Po Wan(MBE); SHI, Zhen(MBE); LI, Kwok Yan(MNE)
518	Electrochemical Detector	United States and others	LAM, Hon Wah Michael(CHEM); YEUNG, Chi Chung(CHEM); CHUNG, Kam Sing(MSE); LAU, Siu Chuen(MSE); VELLAISAMY, A. L. Roy(MSE)
519	Systems and Methods Providing Anti-counterfeiting with Multi-mode Luminescent Nanotaggants	United States	CHEN, Xian(AP); SUN, Tian Ying(MSE); WANG, Feng(MSE)
520	Method for Operating a Distributed Key-Value Store	United States	YUAN, Xing Liang(CS); WANG, XinYu(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(E2)
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); ZIA, Abdul Wasy(MNE); ZHOU, Zhifeng(NPMM)

526	Energy Absorbing Device	United States	LU, Jian(MNE); YAO, Lu(MNE); TANG, Tao(NPMM); GAO, Yuan(MNE)
527	Energy Absorbing Device	United States	TANG, Tao(NPMM); GAO, Yuan(MNE); YAO, Lu(MNE); LU, Jian(MNE)
528	METHOD FOR CONSTRUCTING FOUR-DIMENSIONAL PRINTING OF CERAMIC OBJECTS	United States and others	LU, Jian(MNE); LIU, Guo(MNE)
529	System and Method for Processing a Data Structure	United States	ZENG, Wenjun(EE); SO, Hing Cheung(EE)
530	HEVC with Complexity Control based on Dynamic CTU depth range adjustment	United States	KWONG, Tak Wu Sam*; ZHANG, Jia(CS)
532	Method of Producing Poyunsaturated Fatty Acid	United States	SO, Lok Man(CHEM); TSE, Man Chak(BCH); CHI, Kai Kin(BCH); YEUNG, Sin Yu(MBE); KONG, Yuen Chong Richard(CHEM)
533	System and Method for Providing Multi-wavelength Laser	United States	WANG, Lidai(BME); LIANG, Yi Zhi(MBE)
534	Terahertz Injection-Locked Radiator System	United States	WU, Liang(SKMW); XUE, Quan(EE)
535	Chip-and-Package Distributed Antenna	United States	XUE, Quan(EE); WU, Liang(SKMW); LIAO, Shaowei(SKMW)
536	Adhesive System. Method of Manufacture Thereof and Biological Kit Comprising Same	United States	ZHAO, Yan Hua(MNE); WU, Yang(MBE); WANG, Liang(MBE); WANG, Zuankai(MNE)
537	Doherty Power Amplifier	United States	HO, Derek(MSE); CHAN, Wing Shing(EE); ZHOU, Xinyu(EE); Zheng, Shao Yong*; CHEN, Shichang*
539	A System and Method for Conducting a Textual Data Search	United States	XU, Ruiyun(IS); CHEN, Hai Liang(IS); ZHAO, Jianliang(IS)
540	Electronic Storage System and a Method of Data Management	United States	CAI, Chengjun(CS); YUAN, Xing Liang(CS); WANG, Cong(CS)
541	Phase-Tuning Oscillators	United States	WU, Liang(SKMW); XUE, Quan(EE)
542	Method of Diagnosing An Electrical Energy Storage Apparatus, An Electronic Device for Use in An Electrical Energy Storage Apparatus And An Electrical Energy Storage Apparatus	United States	CHUNG, Shu Hung Henry(EE); LAU, Wing Hong Ricky(EE); LIU, Chun For(EE)
543	A Gesture Recognition Apparatus and Components Thereof	United States	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	ROGACH, Andrey(MSE); LAI, Wing Fu(AP)
546	System and Method for Ankle Rehabilitation	United States	SHEN, Yajing(BME); LU, Haojian(BME)
549	Method of Treating Metastatic Cancer in a Subject	United States	YUE, Jianbo(BMS)
550	A Method of Facilitating Natural Language INTERactions, A Method of Simplifying an Expression and System Thereof	United States	LEE, John Sie Yuen(LT)

552	Method for Making Aerogel	United States	XU, Yan(E2); DAOUD, Walid(MNE); LEUNG, Kwok Hi Michael(E2)
553	Electric circuit arrangement and a method for generating electric current pulses to a load	United States	CHUNG, Shu Hung Henry(EE); FAN, Wing To(EE); CHEUNG, Sui Pung(CSCR); CHOW, Po Wah Jeff(EE); TUNG, Chung Pui(EE)
555	Method for Determining Optimal Laying Arrangement of Infrastructure Link	United States	WANG, ZengFu(EE); WANG, Qing(EE); Wang, Gang*; CUCKER, Felipe(MA); TAHCHI, Elias*; ZUKERMAN, Moshe(EE); GUO, Jun(EE); WANG, Yu(CA); MORAN, William*
557	Method for fabricating a polymeric material for use in an energy storage apparatus, a polymeric material and an energy storage apparatus comprising thereof	United States	HUANG, Yan(MSE); ZHI, Chunyi(MSE)
558	Apparatus for Magnetostrictive Sensor for Guided-Wave-Based Inspection, and its Associated System and Method	United States	nan; FANG, Zhou(SEEM)
559	Optical mask for use in a photolithography process, a method for fabricating the optical mask and a method for fabricating an array of patterns on a substrate using the optical mask	United States	FANG, Ming(MSE); SHU, Lei(MSE); HO, Johnny Chung Yin(MSE)
560	System And Method for Controlling A Switching Network of A Power Regulation Circuit	United States	FAN, Wing To(EE); YEUNG, Shun Cheung(EE); CHUNG, Shu Hung Henry(EE)
561	Systems And Methods for Robust Low-rnk Matrix Approximation	United States	SO, Hing Cheung(EE); ZENG, Wenjun(EE); Chen, Jia Yi*
562	Method of Producing Antibody Fragment	United States and others	CHAN, Lai Leo(SKMP); WEI, Likun(BMS); FENG, Li Min(SKMP); SHI, Jiahai(BMS)
564	Wireless Optogenetic Device and Associated Radiation System	United States	Liu, Ming*; SHI, Peng(BME); LIN, Xudong(BME)
566	Autostereoscopic Multi-view Display System And Related Apparatus	United States	RUAN, Ling Yan(SM); LAM, Miu Ling(SM); CHEN, Bin(SM)
567	Dual-fed Dual-frequency Hollow Dielectric Antenna	United States	FENG, Li Ying(EE); LEUNG, Kwok Wa(EE)
568	Hybrid Polymeric Structure, A Method for Fabricating a Hybrid Polymeric Structure and A Method for Connecting Two Polymeric Layers with the Bybrid Polymeric Structure	United States	NIU, Xinrui(MNE); ZHAN, Yue Xing(MBE); CHAN, Yan Ting(MBE); WONG, Tsz Ling(MBE); YIU, Tak Mei(MBE)
569	Communication System And A Method for Operating Or Evaluating The Same Using Selective Base Station Sleeping	United States	WONG, Wing Ming Eric(EE); WU, Jingjin Timothy(EE); GUO, Jun(EE); ZUKERMAN, Moshe(EE)
570	Base Station Sleep Mode Based on Powder Consumption And/or Quality of Service	United States	ZUKERMAN, Moshe(EE); WU, Jingjin Timothy(EE); CHAN, Yin Chi(EE); WONG, Wing Ming Eric(EE)

571	Analytical Method of Determining The Solution of An Object with Edges under Applied Load	United States	GUO, Liang(MNE); ZHANG, Zhi Ming*; WANG, Wen*; WONG, Pat Lam Patrick(MNE)
572	Method for Accelerating Execution of Application in a Trusted Execution Environment	United States	CUI, He Lei(CS); DUAN, Hua Yi(CS); WANG, Cong(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	ZHANG, Wenjun(MSE); SHI, Peng(BME); WANG, Zixun(BME); WANG, Xin(BMS); HUANG, Lin Feng(BMS)
578	Dielectric Resonator Antenna	United States	GUO, Lei(EE); LEUNG, Kwok Wa(EE); PAN, Yongmei(EE)
579	Dielectric Resonator Antenna	United States	GUO, Lei(EE); LEUNG, Kwok Wa(EE)
582	Position and Magnetic Field Sensor	United States	RUOTOLO, Antonio(MSE)
583	Electric Circuit and Associated Method for Regulating Power Transfer in a Power Grid	United States	HE, Yuanbin(EE); LAI, Chun Tak(EE); CHUNG, Shu Hung Henry(EE)
585	System and method for manipulating deformable objects	United States	HU, Zhe(BME); PAN, Jia(BME)
586	Plantium Comple, its preparation and Therapeutic Use	United States	WANG, Zhi Gang(CHEM); XU, Zou Feng(CHEM); ZHU, Guangyu(CHEM)
588	Battery System And A Method of Forming A Battery	United States	WANG, Hui Min(E2); YU, Yau Wai Denis(E2)
589	Unidirectional Liquid Transport Systems And Methods of Manufacture Thereof	United States	LI, Jia Qian(MNE); ZHOU, Xiao Feng*; WANG, Zuankai(MNE)
590	Composite And Method of Preparing It	United States and others	YAO, Xi(BMS); HE, Wen Qing(BMS)
591	Underwater Self-healable Materials, Methods of Making Thereof, And Products Comprising Same	United States	YAO, Xi(BMS); LIU, Mei Jin(BMS)
593	Aerial System And A Method of Controlling An Aerial System	United States	HSIAO, Yi Hsuan(BME); CHIRARATTANANON, Pakpong(BME)
594	Method of Producing DNA and DNA Library	United States	KWOK, Chun Kit(CHEM); YEUNG, Pui Yan(CHEM)
595	Antimicrobial Peptide, Its Analog And Use	United States	SUN, Hongyan(CHEM); AU, Wai Ting Doris(CHEM); LAM, Yun Wah(SI)
596	Doherty Power Amplifier Circuit	United States	HO, Derek(MSE); CHAN, Wing Shing(EE); Fang, Xiao Hu*; ZHOU, Xinyu(EE); Zheng, Shao Yong*
598	Conductive yarn-based nickel-zinc textile batteries	United States	ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); HUANG, Yan*
599	Systems and Methods for Signal Processing Using Coordinate Descent Techniques for Unit Modulus Least Squares (UMLS) and Unit-Modulus Quadratic Program (UMQP)	United States	Zoubir, Abdelhak M.*; Chen, Jia Yi*; ZENG, Wenjun(EE); SO, Hing Cheung(EE)

600	Device And Method for Visual Quantification of An Amount of Target Species in A Sample Solution	United States	CHEN, Ting Hsuan(BME); ZHAO, Zichen(MBE)
601	Methods of Treatment of Viral Infection and Uses of Anti-Hsc70 Inhibitors	United States	HE, Mingliang(BMS)
602	Gel Polymer Electrolytes Comprising Electrolyte Additive	United States	TANG, Zi Jie(MSE); ZHU, Minshen(MSE); ZHI, Chunyi(MSE)
603	Anti-sticking Material	China	LI, Kwok Yan(MNE); ZHOU, Zhifeng(NPMM)
604	Antenna	United States	YANG, Nan(EE); LEUNG, Kwok Wa(EE); GUO, Lei(EE)
605	Antenna Assembly	United States	GUO, Lei(EE); LEUNG, Kwok Wa(EE); TSANG, Kim Fung(EE)
606	Method for Constructing A Printed Ceramic Object And A Ceramic Object Constructed by The Same	United States and others	LU, Jian(MNE); LIU, Guo(MNE)
610	Systems and Methods Using a Wearable Sensor for Sports Action Recognition and Assessment	United States	LI, Wen Jung(MNE); CHAN, Ho Man(EE); WANG, Yufan(MNE); ZHANG, Guanglie(MNE)
611	Waveguide Fed Open Slot Antenna	United States	WONG, Hang(EE); YI, Xuan(EE)
612	Method for Modifying A Surface of A Metallic Substrate Material	United States	ZHAN, Yawen(MNE); LI, Yangyang(MSE); LU, Jian(MNE)
614	Adaptable Electrical Component	United States	MO, Fu Nian(MSE); ZHI, Chunyi(MSE)
615	Filtering Dielectric Resonator Antennas Implementing Radiation Cancellation	United States	LIU, Yan Ting(EE); REN, Jian(EE); LEUNG, Kwok Wa(EE)
617	Electroluminescent device and a light emitting system	United States	LIANG, Guojin(MSE); ZHI, Chunyi(MSE)
618	Energy Storing Electrical Device And A Method of Constructing An Electrical Device	United States	ZHI, Chunyi(MSE); WANG, Yukun(MSE)
619	Energy Harvesting And Storage Apparatus And A Method of Forming Thereof	United States	WANG, Zifeng(MSE); ZHI, Chunyi(MSE)
620	System And Method for Enabling The Secure Storage, Transmission And Access of Genetic Data	United States	DONG, Wei(BMS); LI, Shuaicheng(CS)
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	ZUKERMAN, Moshe(EE); MORAN, Bill*; WANG, ZengFu(EE); WANG, Qing(EE); TAHCHI, Elias*
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 Vehicles	United States	YEUNG, Kai Hau Alan(EE); ZUKERMAN, Moshe(EE)
625	Energy Storage Device Including A Cobalt-based Compound Electrode	United States	MA, Longtao(MSE); ZHI, Chunyi(MSE)
628	Enrichment and determination of nucleic acids targets	United States	ZHENG, Zongli(BMS); KEBEDE, Firaol Tamiru(BMS)
629	System and method for processing data and managing information	United States	ZHENG, Yifeng(CS); WANG, Cong(CS); CAI, Chengjun(CS)
630	Systems And Method for Four-dimensional Printing of Elastomer of Elastomer-derived Ceramic Structures by Compressive Buckling-induced Method	United States and others	LIU, Guo(MNE); ZHAO, Yan(MNE); LU, Jian(MNE)
631	Deformation method 4-D printed elastomer derived ceramic	United States and others	ZHAO, Yan(MNE); LIU, Guo(MNE); LU, Jian(MNE)
633	Method for Processing Electronic Data	United States	ZENG, Wenjun(EE); Chen, Jia Yi*; Zoubir, Abdelhak M.*; SO, Hing Cheung(EE)
635	Power Circuit and Its Operation Method for Regulating Power Transfer	United States	CHUNG, Shu Hung Henry(EE); YUEN, Kuen Faat(EE)
636	System And Method for Determining A State of Photovoltaic Panel	United States	GARAJ, Martin(EE); HONG, Yiwen Kelvin(EE); CHUNG, Shu Hung Henry(EE)
638	Method and an Apparatus for Producing a Film of Carbon Nitride Material	United States	XIONG, Wei(PHY); HUANG, Miaoyan(PHY); TIAN, Haoran(PHY); ZHANG, Ruiqin(PHY)
639	METHOD AND A SYSTEM FOR ANALYZING NEUROPHARMACOLOGY OF A DRUG	United States	LIN, Xudong(BME); SHI, Peng(BME); WANG, Xin(BMS)
640	System and Method for Analyzing Survivability of an Infrastructure Link	United States	TAHCHI, Elias*; WANG, Qing(EE); MORAN, William*; ZUKERMAN, Moshe(EE); WANG, Zengfu*
641	Guide RNA Molecule And Method for Treating Cancer	United States	WANG, Xin(BMS); CHIN, Rebecca Y M(BMS); HU, Jianyang(BMS)
644	High Entropy Alloy Structure and a Method of Preparing the Same	United States	YANG, Yong(MNE); DING, Zhaoyi(MNE); HE, Quanfeng(MNE)
646	Optical Printed Circuit Board and Its Fabrication Method	United States	JIN, Wei(EE); CHAN, Hau Ping Andy(EE); LOR, Kar Pong(EE); CHIANG, Kin Seng(EE)
647	Convolutional Neural Network Based Sythesized View Quality Enhancement for Video Coding	United States	ZHU, Linwei(CS); ZHANG, Yun(CS); KWONG, Tak Wu Sam*
648	ELECTRODE MATERIAL AND A METHOD OF PREPARING THE SAME	United States	LEE, Pui Kit(E2); TAN, Tian(E2); YU, Yau Wai Denis(E2)
649	Method and an Apparatus for Determining a Presence or an Amount of a Polyamine or Its Derivative in a Sample	United States	VENKATESH, Shishir(MSE); YEUNG, Chi Chung(CHEM); VELLAISAMY, A. L. Roy(MSE); LAM, Hon Wah Michael(CHEM)

650	Generative Adversarial Network Based Intra Prediction for Video Coding	United States	KWONG, Tak Wu Sam*; 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	LEUNG, Kwok Wa(EE); GUO, Lei(EE); TSANG, Kim Fung(EE)
653	Power Generation Device and Electric Device Incorporating the Same	United States	YANG, Zhengbao(MNE)
654	RECHARGEABLE ELECTRICAL DEVICE HAVING A MULTI-LAYERED STRUCTURE MOLYBDENUM DISULPHIDE CATHODE	United States	TANG, Zi Jie(MSE); LI, Hongfei(MSE); WANG, Zifeng(MSE); ZHI, Chunyi(MSE)
655	Low Temperature Operable Electrical Energy Supply Device	United States	ZHI, Chunyi(MSE); LI, Hongfei(MSE); TANG, Zi Jie(MSE); MO, Fu Nian(MSE)
656	High Entropy Alloy Structure and a Method of Preparing the Same	United States	YANG, Yong(MNE); DING, Zhaoyi(MNE); HE, Quanfeng(MNE)
659	HYDROGEL ELECTROLYTE HAVING MULTIPLE CROSSLINKED STRUCTURES AND AN ENERGY STORAGE DEVICE INCLUDING SUCH ELECTROLYTE	United States	TANG, Zi Jie(MSE); MA, Longtao(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE)
661	A Method of Forming a Composite Material and a Composite Material	United States and others	FAN, Rong(MNE); LU, Yang(MNE)
663	System and Method for Rendering An Image	United States	LIU, Qi(EE); SHE, She(EE); CHAN, Ho Man(EE); PALMERSTON, Jeremiah Bradley*
664	Soft Body Robotic Device	United States	LU, Haojian(BME); SHEN, Yajing(BME); YANG, Xiong(BME)
668	Method of Presenting Flight Data of an Aircraft and a Graphical User Interface for Use with the Same	United States	LI, Lishuai(DS); CHARRUAUD, Florent(SEEM); ZHAO, Weizun(DS)
672	Antenna	United States	LUK, Kwai Man(EE); XU, Yanhong(EE)
673	Energy Storage Device and a Method of Preparing the Same	United States	TANG, Zi Jie(MSE); WANG, Yukun(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE)
675	Nanostructured Colour Film Having Dual-phase First Layer And/or Amorphous Metallic Second Layer	United States	BU, Yu(MNE); WU, Ge(MNE); LU, Jian(MNE)
676	Electrode for Use in an Electrical Energy Storage Apparatus and a Method for Manufacturing an Electrode for Use in an Electrical Energy Storage Apparatus	United States	ZHANG, Wenjun(MSE); WU, Shuilin(MSE); ZHANG, Kaili(MNE)
677	Electrical Energy Storage Apparatus and a Method of Preparing the Same	United States	MA, Longtao(MSE); TANG, Zi Jie(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE)
678	System And Method For Gaza Estimation	United States	LI, You Fu(MNE); SU, Dan(MNE)

680	Medium for Binding Components in An Assembly of An Electronic Device, A Method of Preparing The Same, A Display Assembly of An Electronic Device, And A System for Simulating Mechanical Behaviours of The Electronic Device And The Medium	United States	XU, Bo(MNE); NIU, Xinrui(MNE)
682	System and Method for Determining an Optimal Path Arrangement of an Infrastructure Link Network	United States	WANG, Qing(EE); MORAN, William*; ZUKERMAN, Moshe(EE); WANG, Zengfu*
683	Electromedical Apparatus, a Method for Manufacturing the Electromedical Apparatus and a Method for Deploying the Electromedical Apparatus	United States	PANG, Stella W.(EE); XU, Yuanhao(EE)
684	Electromagnetic Device for Manipulating a Magnetic-Responsive Robotic Device	United States	SUN, Dong(BME); LI, Dongfang(BME)
685	Magnetically Controllable Robotic Device And Its Method of Making	United States	LIAO, Pan(BME); XING, Liuxi(BME); SUN, Dong(BME)
686	Imaging And Manipulation of Biological Sample	United States	GAO, Wendi(BME); SUN, Dong(BME)
687	Entropy-Stabilized Ceramic Thin Film Coating, Method for Preparing the Same, and Component Coated with the Same	United States and others	LU, Jian(MNE); BIAN, haidong(MNE); LI, Zebiao(MNE); YANG, Yong(MNE); HE, Quanfeng(MNE); LI, Yangyang(MSE)
688	Dual-band Antenna for Global Positioning System	United States	LEUNG, Kwok Wa(EE); REN, Jian(EE); SUN, Yuxiang(ICTC)
689	An Electrical Energy Storage Device and a Method of Preparing the Same	United States	LIU, Zhuoxin(MSE); TANG, Zi Jie(MSE); LI, Hongfei(MSE); ZHI, Chunyi(MSE)
690	Wideband Doherty High Efficiency Power Amplifier	United States	HO, Derek(MSE); CHAN, Wing Shing(EE); Zheng, Shao Yong*; ZHOU, Xinyu(EE)
691	Metallic Structure And A Method for Surface Treatment of A Metallic Structure	United States and others	ZHOU, Binbin(CityUSRI); SHEN, Junda(MSE); LI, Yangyang(MSE); LU, Jian(MNE)
692	Energy Storage Device, An Electrode for An Energy Storage Device, And A Method of Fabricating The Electrode	United States	TANG, Zi Jie(MSE); LIANG, Guojin(MSE); WANG, Donghong(MSE); ZHI, Chunyi(MSE)
694	Substrate-Integrated Device And Method for Making The Same	United States	LEE, Wai Ki(EE); KREMER, Hauke Ingolf(EE); LEUNG, Kwok Wa(EE)
695	Multi-band Antenna	United States	LEUNG, Kwok Wa(EE); SUN, Yuxiang(ICTC); REN, Jian(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	HAN, Feng*; CHEN, Taizhou(SM); WU, Yi-Shiun*; ZHU, Kening(SM)

698	Torque Measurement System	United States	YANG, Zhengbao(MNE)
699	Energy Storage Device and a Method of Preparing The Device	United States	MA, Longtao(MSE); LI, Xinliang(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE)
700	A Facile Method for The Large Area Synthesis of Geometrically Two Dimensional Metals And Ceramics	United States	WANG, Tianyu(MNE); HE, Quanfeng(MNE); DING, Zhaoyi(MNE); YANG, Yong(MNE)
701	High-entropy Lattice achieved by 3D printing	United States	FAN, Rong(MNE); ZHOU, Wenzhao(RSZ); LU, Yang(MNE)
703	PIM1 Inhibitors for Use in Treatment of Viral Infection And Pharmaceutical Compositions Thereof	United States	HE, Mingliang(BMS); CHEN, Ying(BMS); ZHOU, Fanghang(BMS); WAN, Qianya(VM)
705	Hybrid Heat Pump System	United States	WU, Wei(E2)
706	Hybrid Heat Pump System	United States	WU, Wei(E2)
707	Hybrid Heat Pump System	United States	WU, Wei(E2)
709	Three-dimensional Sketching in Mobile Augmented Reality	United States	FU, Hongbo(SM); KWAN, Kin Chung(SM)
710	System and Method for Counting Objects	United States	ZHANG, Qi(CS); CHAN, Antoni Bert(CS)
711	Recombinant Cell And Method of Producing Itaconic Acid	United States	LIM, Chee Kent(E2); LEE, Patrick Kwan Hon(E2)
712	一种超分子聚合物、自修复疏油涂层及其制备方法与应用	China	YI, Bo(BMS); YAO, Xi(BMS)
715	Catalyst And A Wastewater Treatment Method	United States	JIA, Zhe(MNE); LU, Jian(MNE); WANG, Qing(MNE)
716	Fluidic Apparatus for Detection of A Chemical Substance, A Biosensor And A Method of Fabricating The Fluidic Apparatus	United States	ZHU, Shuyan(E2); 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	ZENG, Jingtao(E2); LUK, Kwai Man(E2)
722	一种粒子堆垛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	ZHANG, Yun(CS); KWONG, Tak Wu Sam*
725	Dielectric Resonator Antenna	United States	LI, Weiwei(E2); YANG, Nan(E2); LEUNG, Kwok Wa(E2)
729	Neurostimulation System And Method for Modulating Abnormal Motor Movement	United States	TIN, Chung(BME); KUMAR, Gajendra(NS); MA, Chi Him Eddie(NS)
731	METHOD OF CONSTRUCTING A MICROMECHANICAL DEVICE	United States	GAO, Libo(MNE); FAN, Su Feng(MNE); WANG, Yue Jiao(MNE); LU, Yang(MNE)
732	Antenna And Related Communication Device	United States	LEUNG, Kwok Wa(E2); FENG, Li Ying(E2)
734	一种电动汽车车载充电系统	China	LIU, Chunhua(E2); XIAO, Yang(E2)
735	一种电动汽车充电系统	China	XIAO, Yang(E2); LIU, Chunhua(E2)
737	Wireless Communication System And A Precoder Device for Use in Such System	United States	KOK, Chi Wah(E2); TAM, Wing Shan(E2); CHAN, Wai Ming(E2); SO, Hing Cheung(E2)

739	Electrochemical Detector	United States	LAU, Chi Kong Terrence(BMS); SAW, LIN OO(MSE); VELLAISAMY, A. L. Roy(MSE)
740	An Electronic Memory Device And A Method of Manipulating The Electronic Memory Device	United States	IRFAN, Muhammad(EE); ULLAH, Zahid*; CHEUNG, Chak Chung Ray(EE)
743	Electron Gun And Apparatus Incorporating The Same	United States	CHEN, Fu-Rong(MSE); LI, Pei En*; TSENG, Ying Shuo*; HSUEH, Yu-Chun(MSE)
745	Imaging Apparatus And Related Control Unit	United States	CHEN, Fu-Rong(MSE); TSENG, Ying Shuo*; LI, Pei En*
747	Supramolecular Polymer Composition And Method of Preparation Thereof	United States and others	LU, Gang(E2); YAO, Xi(BMS)
748	Method for Treating A Surface of A Metallic Structure	United States	OU, Weihui(MNE); ZHAO, Chenghao(MSE); LI, Yangyang(MSE); ZHOU, Binbin(CityUSRI); SHEN, Junda(MSE); LU, Jian(MNE)
749	Compound for Use in An Optoelectronic Device Including A Heterojunction	United States	XU, Zhengtao(CHEM); JEN, Alex Kwan Yue(MSE); ZHU, Zonglong(CHEM)
750	FILTER-ANTENNA AND METHOD FOR MAKING THE SAME	United States and others	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	ZHENG, Huanxi(MNE); WANG, Zuankai(MNE); XU, Wanghuai(MNE)
753	System And Method for Determining Layout of Wireless Communication Network	United States	WONG, Wing Ming Eric(EE); LIU, Jianqing(DCO)
754	Electrolyte for Use in An Energy Storage Device And Energy Storage Device Using The Same	China	TANG, Tiancheng(MSE); TANG, Zi Jie(MSE); MA, Longtao(MSE); ZHI, Chunyi(MSE)
755	Electromechanical Sensor, A Method of Producing Such Sensor And A Wearable Device Including Such Sensor	United States	LAI, Wai Chiu King(BME); LI, Xiaoting(BME)
756	A Transmission Device	China	ZHAO, Hang(E2); LIU, Chunhua(E2)
757	Method of Producing An Aptamer And Uses Thereof	United States	KWOK, Chun Kit(CHEM); CHAN, Chun Yin(CHEM)
760	Method of Preparing Metal Nitride, Electrocatalyst with The Metal Nitride And Use Thereof	United States	ZHANG, Wenjun(MSE); LIU, Bin(MSE)
761	Energy Storage Apparatus And Electrolyte for Use in The Apparatus	United States	ZHI, Chunyi(MSE); TANG, Zi Jie(MSE); LIANG, Guojin(MSE); MO, Fu Nian(MSE)
762	Method for Manipulating an Energy Storage Device	United States	TANG, Zi Jie(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE); GUO, Ying(MSE)

766	Methods And Kits for Detecting Exosomal Protein	United States	XU, Chen(MSE); NG, Siu Pang(MSE); WU, Lawrence(MSE); THAKUR, Abhimanyu(NS); QIU, Guangyu(MSE); YANG, Tian(NS); LEE, Youngjin(NS)
768	System And Method for Detecting A Target Enzyme	United States	ZHOU, Chuanwen(CHEM); LAM, Hon Wah Michael(CHEM)
769	Parallel-Plate Antenna	United States	LU, Kai(EE); LEUNG, Kwok Wa(EE)
770	Horn Antenna	United States	LEUNG, Kwok Wa(EE); LU, Kai(EE); YANG, Nan(EE)
775	System And Method for Processing An Image	United States	KWONG, Tak Wu Sam*; LI, Chongyi(CS)
778	System And Method for Generating A Stained Image	United States	CHEUK, Wah*; MA, Wan San Victor*; LAU, Condon(PHY); CHO, Chi Shing*; LAW, Wing Lun(PHY); YUAN, Yixuan*
780	Universal Color Coding System, And A System And A Method of Manipulating Colors Using Such Color Coding System	United States	KUO, Way(IAS); nan
781	Sensor for Liquid Biopsy And Its Method of Making, And Method of Non-invasive Liquid Biopsy	United States	THAKUR, Abhimanyu(NS); LEE, Youngjin(NS); XU, Chen(MSE); WU, Lawrence(MSE); NG, Siu Pang(MSE)
782	Method of Preparing Graphdiyne-based Material And A Substrate for Use in Such Material Preparation Process	United States	GUO, Ying(MSE); ZHI, Chunyi(MSE); YANG, Qi(MSE); TANG, Zi Jie(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	SHAO, Xiaolong(BMS); WANG, Tingting(BMS); XIE, Yingpeng(BMS); DENG, Xin(BMS)
788	ENERGY HARVESTER AND A WEARABLE DEVICE	United States and others	WANG, Biao(MNE); YANG, Zhengbao(MNE)
789	Determination of Gain Characteristics of A Circularly-polarized Antenna	United States	LUK, Kwai Man(EE); DING, Chen(EE)
790	Determination of Gain Characteristics of A Linaly-polarized Antenna	United States	DING, Chen(EE); LUK, Kwai Man(EE)
791	Determining Flow Speed Based on Photoacoustic Imaging And Sensing	United States	LIU, Chao(BME); WANG, Lidai(BME)
795	An Oscillator Circuit	United States	SHUM, Kam Man(SKMW); CHAN, Chi Hou(EE); ZHOU, Haifeng(SKMW)
796	METHOD AND COMPOSITION FOR INHIBITING GROWTH OF BACTERIUM	United States	LAU, Chi Kong Terrence(BMS); LAW, Oi Kwan(BMS)

797	Antenna And Methods of Fabricating The Antenna And A Resonaor of The Antenna	United States	LI, Yuanlong(EE); ZHU, Shuyan(EE); PANG, Stella W.(EE); LUK, Kwai Man(EE)
798	Infrastrucure Link Path Arragement Determination Method And System	United States	WANG, Qing(EE); MORAN, William*; ZUKERMAN, Moshe(EE); LEUNG, Fu Chu(EE); WANG, Xinyu(EE); TAHCHI, Elias*; WANG, Zengfu*
799	SEISMIC HAZARD DETERMINATION METHOD AND SYSTEM	United States	WANG, Zengfu*; WANG, Xinyu(EE); SUN, Yanni(EE); ZUKERMAN, Moshe(EE); MORAN, William*; WANG, Qing(EE); Wang, Gang*; WANG, Yu(CA)
800	A Method for Preparing A Solar Cell And A Solar Cell	China	YI, Shenghui(CA); LU, Jian(MNE); SU, Xiao*; PAN, Lulu(MNE); ZHAO, Jinjin*; HAO, Weizhong*
803	Wideband Omnidirectional Dielectric Resonator Antenna	United States	LEUNG, Kwok Wa(EE); LU, Kai(EE); XIA, Zhen-Xing(EE)
804	Broadbeam Dielectric Resonator Antenna	United States	XIA, Zhen-Xing(EE); LEUNG, Kwok Wa(EE)
807	Substrate Integrated Waveguide Fed Antenna	United States	CHAN, Chi Hou(EE); WANG, Manting(SKMW)
808	A Method of Fabrication An Array of Plasmonic Structures, A Biosensor And A Method of Fabricating Biosensor	United States	PANG, Stella W.(EE); ZHU, Shuyan(EE)
811	Platinum Complex, Its Preparation And Therapeutic Use	United States	ZHOU, Qiyuan(CHEM); XU, Zou Feng(CHEM); ZHU, Guangyu(CHEM)
817	3-D Focus-steering Lens Antenna	United States	WU, Gengbo(EE); CHAN, Ka Fai(EE); CHAN, Chi Hou(EE)
818	On-chip Antenna And On-chip Antenna Array	United States	CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); KONG, Shangcheng(EE)
819	Self-filtering Wideband Millimeter Wave Antenna	United States	HU, Haotao(EE); CHAN, Chi Hou(EE)
821	Method for Determining Long Non-Coding Ribonucleic Acid Interaction Proteins	United States	ZHANG, Liang(BMS); FAN, Ligang(BMS); YAN, Jian(BMS); LI, Jingyu(BMS); YI, Wenkai(BMS)
822	Compound And A Method for Identifying A Protein Using Said Compound	United States	XIE, Yusheng(CHEM); WANG, Rui(BMS); ZHANG, Liang(BMS); SUN, Hongyan(CHEM)
824	Self-regenerated Hybrid Dehumidifier with Air Purification	United States	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	XIONG, Wenjun(BMS); MAI, Shuyi(VM)
830	An Electrolyte for An Energy Storage Apparatus And The Energy Storage Apparatus Comprising The Electrolyte	United States	HUANG, Zhaodong(MSE); ZHI, Chunyi(MSE); LI, Xinliang(MSE); LIANG, Guojin(MSE)
831	An Apparatus for Processing Air in An Indoor Environment	United States	LAI, Chi Keung Alvin(E2)
833	Therapeutic Potential of Glycopyrrolate And Mexiletine for Nervous System Injury	United States	MA, Chi Him Eddie(NS); AU, Ngan Pan(NS)

834	Nickel-rich Layered Oxide Cathode Materials for Li ION Batteries	United States	ZHU, He(PHY); LIU, Qi(PHY)
835	Bank-selective Power Efficient Ternary Content-addressable Memory	United States	ULLAH, Zahid*; IRFAN, Muhammad(EE); CHEUNG, Chak Chung Ray(EE)
836	Power Amplifier	United States	CHEN, Shichang*; FENG, Wen Jie*; ZHOU, Xinyu(EE); CHAN, Wing Shing(EE)
837	Method for Arranging Base Stations in A Communication Network	United States	ZHANG, Yue(EE); WONG, Wing Ming Eric(EE); DAI, Lin(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	YANG, Yong(MNE); SHUANG, Shuo(MNE); CHUNG, Dukhyun(MNE)
843	Apparatus And Method of Processing Audio Signals	United States	CAPPOTTO, Drew(NS); SCHNUPP, Jan(NS)
844	APPARATUS AND A METHOD FOR PATTERNING BIOLOGICAL CELLS	United States	FAN, Lei(BME); LUO, Tao(MBE); SUN, Dong(BME)
847	Method for Determining Wireless Communication Network Layout	United States	WU, Jingjin Timothy(EE); DONG, Miaomiao(EE); WONG, Wing Ming Eric(EE)
848	Flexible Piezoceramic Composites and Method for Fabricating Thereof	United States	HONG, Ying(MNE); YANG, Zhengbao(MNE)
849	Method And System for Manufacturing A Structure	United States	LIU, Chain Tsuan(IAS); ZHANG, Tianlong(MSE)
853	Electrolyte Composition And Method of Use Thereof	United States	WU, Zhongzhen*; LIU, Liangliang(PHY); CHU, Paul Kim Ho(PHY); FU, King Yu Ricky(PHY)
854	Artificial Neural Network Configuration And Deployment	United States	CHAN, Antoni Bert(CS); XUE, Chun Jason(CS); CUI, Yufei(CS); LIU, Ziquan(CS); YAO, Wuguannan(MA); LI, Qiao(CS); KUO, Tei-wei(CS)
855	Energy Generation And Energy Recycling	United States	WANG, Steven(MNE); WANG, Hongbo(MNE)
857	Heat Sink with Counter Flow Diverging Microchannels	United States	PAN, Chin(MNE); JIANG, Xingchi(MNE); ZHANG, Shiwei(MNE)
858	Magnetically-drivable Microrobot	United States and others	ZHANG, Yachao(BME); WEI, Tanyong(BME); WANG, Lidai(BME); LI, Dongfang(BME); CHEN, Shuxun(BME); SUN, Dong(BME)
859	LOW-DOSE RADIATION THERAPY FOR TRAUMATIC BRAIN INJURY AND STROKE	United States	MA, Chi Him Eddie(NS); AU, Ngan Pan(NS)

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	LI, Shengliang(CHEM); LO, Raymond(MSE); ZHAO, Qi(CHEM); LEE, Chun Sing(CHEM)
875	Method, Device And Computer Readable Medium for Intrinsic Popularity Evaluation And Content Compression Based Thereon	United States	DING, Keyan(CS); MA, Kede(CS); WANG, Shiqi(CS)
877	Method for Preparing Ceramic Materials And Products Thereof	United States	WANG, Hao(MNE); LU, Jian(MNE); XU, Zhengtao(CHEM); LI, Yangyang(MSE)
878	System And Method for Quantifying Mechanical Properties of A Cell	United States	REN, Jifeng(BME); LAM, Hiu Wai Raymond(BME)
879	Method for Fabricating Zinc Oxide Nanostructures And Gas Sensors	United States	WANG, Ying(MSE); HO, Derek(MSE)
880	A Battery And A Method for Fitting A Electrolyte-containing Solid Medium to An Electrode in The Battery	United States	MA, Longtao(MSE); ZHI, Chunyi(MSE)
881	Method of Fabricating A Material for Use in Catalytic Reactions	United States	MA, Feixiang(MNE); LI, Yangyang(MSE); LU, Jian(MNE)
882	Power Amplifier Circuit	United States	CHAN, Wing Shing(EE); ZHOU, Xinyu(EE)
883	Wideband Doherty Power Amplifier	United States	CHAN, Wing Shing(EE); ZHOU, Xinyu(EE)
884	Method for Preparing Ceramic Materials	United States	DU, Peng(MNE); ZHONG, Jing(MSE); ZHANG, Guobin(MNE); LU, Jian(MNE); LI, Yangyang(MSE); XU, Zhengtao(CHEM)
889	一种胶原基防水透湿薄膜及其制备方法与应用	China	HU, Jinlian(BME); SHI, Shuo(BME)
891	一种高性能胶原静电纺丝防水透湿薄膜及其制备方法与应用	China	SHI, Shuo(BME); HU, Jinlian(BME)
893	AN OPEN-APERTURE WAVEGUIDE FED SLOT ANTENNA	United States	WONG, Hang(EE); GUO, Qingyi(EE)
894	RFID-Based Sensing Method And System	United States	nan; CHUNG, Shu Hung Henry(EE); ZHANG, Xu(EE)
895	An Electronic Sensing Apparatus And A Method of Producing The Electronic Sensing Apparatus	United States	HE, Jiahui(BME); YU, Xinge(BME)
898	一种强化型多模式多效吸收式蓄能释能装置及其运行方法	China	WU, Wei(E2); DING, Zhixiong(E2)
899	Photonic Device Structure And Method of Manufacturing The Same, And Electro-optic Waveguide	United States	LUO, Jingdong(CHEM); CHIANG, Kin Seng(EE)

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

937	Human-interface Device And A Guiding Apparatus for A Visually Impaired User Including Such Human-interface Device	United States	ZHU, Kening(SM); NASSER, Arshad(SM)
939	An Electrical Circuit for Reducing Electromagnetic Noise or Interference in A Power Converter	United States	WANG, Kewei(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)
942	Methods And Compositions for Production of Green Mortar	United States	HAO, huali(CA); LAU, Denvi(CA)
943	Leaky-Wave Antenna	United States	CHAN, Chi Hou(EE); CHAN, Ka Fai(EE); WU, Gengbo(EE)
944	Method of Stable Lasso Model Structure Learning to Build Inferential Sensors	United States	QIN, S Joe(DS); LIU, Yiren(DS)
945	Human-Interface-Device (HID) and a Method for Controlling an Electronic Device Based on Gestures, and a Virtual-Reality (VR) Head-Mounted Display Apparatus	United States	XU, Lantian(SM); XU, Xianshan(EE); ZHU, Kening(SM); CHEN, Taizhou(SM)
946	System And Method for Adaptively Streaming Video	United States	KWONG, Tak Wu Sam*; WEI, Xuekai(CS); ZHOU, Mingliang(CS)
947	Video Streaming Method And System	United States	KWONG, Tak Wu Sam*; WEI, Xuekai(CS); ZHOU, Mingliang(CS)
956	A Method of Controlling A Drive System, A Controller for Controlling A Drive System, A Drive System And An Assembly Comprising A Controller, A Drive System And A Permanent Magenet Synchronous Motors	United States	LIU, Senyi(E2); LIU, Chunhua(E2)
962	Motor	United States	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, Chunhua(E2); LIU, Yuxin(E2)
965	一种检测装置及检测方法	China	NG, Ka Ki(BMS); AU-YEUNG, Allan Sung King(BMS); AYELE, Bereket Workalemahu(BMS); GUNAWAN, Renardi(BMS); YANG, Mengsu(BMS)
966	Omnidirectional Dielectric Resonator Antenna	United States	LIU, Xi-Yao(EE); LEUNG, Kwok Wa(EE); YANG, Nan(EE)
967	Electrically Small, Planar, Horizontally Polarized Dual-band Omnidirectional Antenna	United States	PAN, Yong Mei*; ZHENG, Shao Yong*; HU, Pengfei(EE); 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	ZHI, Chunyi(MSE); LI, Xinliang(MSE); HUANG, Zhaodong(MSE); CHEN, Ze(MSE)
973	Mxene-cladded Zinc Particles And An Electrode Thereof	United States	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); YANG, Qi(MSE); ZHI, Chunyi(MSE)
975	A Method of Surface Chemical Functionalization for Developing of Functional Hydrophobic Surfaces	United States	XIAO, Yelan(CHEM); KO, Chi Chiu Vincent(CHEM)
976	PHOSPHORS BASED ON CARBENE METAL COMPLEX	United States	YUAN, Yi(MSE); YOU, Caifa(MSE); CHI, Yun(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	DONG, Lixin(BME); ZHANG, Wenqi(BME)
981	一种锂离子电池低温电解液及锂离子电池	China	LUO, Dong(PHY); LIU, Qi(PHY)
982	Tri-frequency Multi-polarisation Omnidirectional Antenna	United States	LEUNG, Kwok Wa(EE); HU, Pengfei(EE)
983	An Iridium Complex And A Light Emitting Device Comprising The Same	United States	CHI, Yun(MSE); JIN, Jibiao(MSE); GAN, Lin(MSE)
985	Self-compensated Functional Photoacoustic Microscopy	United States	ZHU, Jingyi(BME); WANG, Lidai(BME)
986	Impact Energy Harvesters for Self-powered Wrist-worn Wearables	United States and others	YANG, Zhengbao(MNE); WANG, Biao(MNE)
987	Secure Web Framework	United States	DU, Yuefeng(CS); WANG, XinYu(CS); WANG, Cong(CS)
989	Automated System for High-Throughput Microinjection of Adherent Cells	United States	PAN, Fei(BME); JIAO, Yang(BME); SUN, Dong(BME); CHEN, Shuxun(BME)
990	A Multi-layer Particle-embedded Passive Radiative Cooling Paint	Hong Kong - Granted	ZENG, Yijun(MNE); ZHU, Yihao(E2); DU, Yuwei(E2); HO, Tsz Chung(E2); CHEN, Siru(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2); LIN, Kaixin(E2); CHAO, Luke Christopher(E2)
992	Wearable Three-dimensional Auricular Multi-point Acquisition, Health Status Monitoring, And Bio-stimulation Device	United States	LI, Wen Jung(MNE); HUANG, Qingyun(MNE); CHAN, Ho Yin(MNE)
993	Platinum(IV) Complexes, Methods of Manufacture, Compositions Containing, and Methods of Use Thereof	United States and others	DENG, Zhiqin(CHEM); ZHU, Guangyu(CHEM)
996	Method And Systems for Genome Sequence Compression	United States	WANG, Shiqi(CS); WANG, Meng(CS); SUN, Zhenhao(CS); KWONG, Tak Wu Sam*

997	A Signage Structure Monitoring System And A Signage Structure Monitoring Platform	Hong Kong	CHENG, Chi Yung(ACE); OR, Siu Hong(CA); FUNG, Wing Hong(CA)
998	A COMPACT MEMBRANE-BASED THERMOCHEMICAL ENERGY STORAGE SYSTEM	United States	WU, Wei(E2); ZHAI, Chong(E2); SUI, Zengguang(E2); SUI, Yunren(E2); DING, Zhixiong(E2)
999	A Compact Membrane-based Absorption Heat Pump	United States	DING, Zhixiong(E2); ZHAI, Chong(E2); SUI, Zengguang(E2); SUI, Yunren(E2); WU, Wei(E2)
1000	SUBSTRATES HAVING A WRINKLE PATTERN OF SINGLE-LAYER RHENIUM DISULFIDE NANOFILAKES AND METHODS FOR PRODUCING THE SAME	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); YANG, Yong(MNE); ZHANG, Zhibo(MNE); ZHOU, Ziqing(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	YAO, Xi(BMS); LYU, Dong(BMS)
1005	Fast-track Negative Pressure Isolation System for Respiratory Infectious Disease Control	United States and others	CHAN, Chak Keung(E2); DENG, Wei(MNE); LING, Chen(MNE); WANG, Steven(MNE); WANG, Zuankai(MNE)
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	nan; CHEN, Youhua Frank(MS); WANG, Mingming(MS); KUO, Way(IAS)
1010	Etch-free Ultrafast Fabrication of Self-rolled Matallic Nanosheets with Controllable Twisting	United States	WANG, Tianyu(MNE); YANG, Yong(MNE); PARK, Minhyuk(MNE); ZHANG, Zhibo(MNE)
1011	METHODS FOR SYNTHESIZING METAL-CARBON COMPOSITE OF A CORE-SHELL STRUCTURE	United States	YANG, Yong(MNE); WANG, Tianyu(MNE); ZHANG, Jingyang(MNE); YU, Qing(MNE); PARK, Minhyuk(MNE)
1014	WIRELESS RECHARGEABLE AND PORTABLE ANTI-MICROBIAL RESPIRATOR	United States	YE, Ruquan(CHEM); WANG, Steven(MNE); DENG, Wei(MNE)
1015	Biosensing Device for Detecting Cancer	United States	THAKUR, Abhimanyu(NS); LEE, Youngjin(NS); LIU, Linlin(MSE); LI, Wing Kar(BMS); WU, Lawrence(MSE)

1016	SUBSTRATE INTEGRATED WAVEGUIDE-FED FABRY-PEROT CAVITY FILTERING WIDEBAND MILLIMETER WAVE ANTENNA	United States	CHAN, Chi Hou(EE); HU, Haotao(EE)
1017	半胱氨酸强化的重组蜘蛛丝及其制备方法和应用	China	HU, Jinlian(BME); ZHANG, Qi(BME)
1018	UNIDIRECTIONAL MOISTURIZING NANOFIBER FACIAL MASK SUBSTRATES WITH ASYMMETRIC WETTABILITY AND PREPARATION THEREOF	United States and others	HU, Jinlian(BME); SI, Yifan(BME); SHI, Shuo(BME); GUO, Chunxia(BME)
1019	System And Method for Measurement And Assessment of Depth of Anesthesia in A Subject Based on Electroencephalography	United States	CHOWDHURY, Mehdi Hasan(EE); ELDALY, Abdelrahman B. M. (EE); AGADAGBA, Stephen Kugbere(EE); CHEUNG, Chak Chung Ray(EE); CHAN, L H Leanne(EE)
1020	Method for Forming Piezoelectric Films on Surfaces of Arbitrary Morphologies	United States	YANG, Zhengbao(MNE); LIU, Shiyuan(MNE)
1021	System and Method for Updating, Modifying and Managing Engineering and Construction Contracts in a Blockchain Network	Hong Kong	KWOK, Ho Yin(CA); OR, Siu Hong(CA); FUNG, Wing Hong(CA)
1023	METHOD AND SYSTEM FOR MACHINE LEARNING AND DEEP LEARNING BASED ASSESSMENT OF STROKE	Hong Kong	WOO, Yat Ming Peter*; HUANG, Ruixuan(EE); CHAN, Kei Hang Katie(BMS); LIU, Jundong(EE); WAN, Tsz Kin(EE)
1025	Methods and Systems for Controlled Mitochondria Transfer	United States	SUN, Dong(BME); SHAKOOR, Adnan(BME)
1026	Cable Path Planning Method And Apparatus	United States	ZUKERMAN, Moshe(EE); WANG, Xinyu(EE); TAHCHI, Elias*; WANG, Zengfu*
1027	5V-class Flexible All-in-one Solid Lithium Ion Batteries	China	CHEN, Ao(MSE); CHEN, Ze(MSE); ZHI, Chunyi(MSE); LI, Xinliang(MSE)
1029	Underwater Vehicle with Front-rear Distributed Drive	United States	WANG, Panbing(BME); YANG, Xiong(BME); SHEN, Yajing(BME); SHI, Jiahai(BMS)
1031	A MACHINE LEARNING BASED METHOD OF SCREENING POTENTIAL DRUG CANDIDATE, AND A METHOD THEREOF	United States	KUMAR, Gajendra(NS); MA, Chi Him Eddie(NS)
1032	PERCEPTRON-BASED EMG PROCESSOR FOR NEUROPATHY AND MYOPATHY DIAGNOSIS	United States	HUNG, Siu Ying Patrick*; CHOWDHURY, Mehdi Hasan(EE); SANKA, Abdurrashid Ibrahim(EE); IRFAN, Muhammad(EE); CHEUNG, Chak Chung Ray(EE)
1033	MRI-BASED AUGMENTED REALITY ASSISTED REAL-TIME SURGERY SIMULATION AND NAVIGATION	United States	WOO, Yat Ming Peter*; NDER, Sesugh Samuel(EE); AHMED, Camroo(EE); CHAN, L H Leanne(EE); ZHU, Kening(SM)
1034	3-D-Printed Wideband High-Gain Circularly Polarized Dielectric Resonator Antenna	United States	XIA, Zhen-Xing(EE); LEUNG, Kwok Wa(EE)

1035	Deep Learning-based Optimal Power Flow Solution with Applications to Operating Electrical Power Systems	United States	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	LU, Jian(MNE); CHEN, Zhou(MNE); MAO, Zhengyi(MNE); WAN, Lei(MNE)
1043	Cable Network Regional Connectivity Planning Method And Apparatus	United States and others	MORAN, Bill*; ZUKERMAN, Moshe(EE); WANG, Tianjiao(EE); WANG, Zengfu*
1046	WATER-SOLUBLE UNIDIRECTIONAL MOISTURE TRANSPORT TRADITIONAL CHINESE MEDICINE FACIAL MASK AND PREPARATION THEREOF	United States and others	GUO, Chunxia(BME); SHI, Shuo(BME); SI, Yifan(BME); HU, Jinlian(BME)
1047	Methods for Online Peak-Demand Reduction of Large-Load Users with Energy Storage Discharging	United States	LIN, Qiulin(DS); CHEN, Minghua(DS); MO, Yanfang(IDS); QIN, S Joe(DS)
1048	TATTOO-LIKE STRETCHABLE TRIBOELECTRIC NANOGENERATOR FOR ENERGY HARVESTING	United States	YU, Xinge(BME); LIU, Yiming(BME); WONG, Tsz Hung(BME)
1049	Image to Image Translation Method	United States	HUANG, Jialu(CS); LIAO, Jing(CS); KWONG, Tak Wu Sam*
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	CHEN, Taizhou(SM); ZHU, Kening(SM); XU, Lantian(SM)
1054	Method And Monitoring Device Using The Same for Estimating Intrinsic Parameters of Encapsulated Capacitor	United States	CHUNG, Shu Hung Henry(EE); LEE, Wai Kwan(EE)
1055	Method and System for Predicting a Synergistic Effect	United States	ZHANG, Qingpeng(DS); YANG, Jiannan(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	HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE)
1061	Methods And Apparatus for Microagent Control	United States	LI, Dongfang(BME); XING, Liuxi(BME); SUN, Dong(BME)
1062	Electronic Ear-worn Device with Thermal Haptic Elements	United States	NASSER, Arshad(SM); ZHU, Kening(SM)
1063	Apparatus for Facilitating a Photovoltaic Device to Provide a Wireless Communication Channel	United States	GARAJ, Martin(EE); CHUNG, Shu Hung Henry(EE)

1066	Unsupervised Domain Adaptive Model for 3D Prostate Zonal Segmentation	United States	YUAN, Yixuan*; GUO, Xiaoqing(EE)
1067	Task Interaction Network for Prostate Cancer Diagnosis	United States	YUAN, Yixuan*; ZHU, Meilu(MNE)
1068	METHOD AND APPARATUS USING SEMI-SUPERVISED DEEP CONVOLUTION NEURAL NETWORK FOR CROP YIELD ESTIMATION IN INTELLIGENT AGRICULTURE	United States	YUAN, Yixuan*; MAI, Xiaochun(EE)
1069	Graph-based Prostate Diagnosis Network And Method for Using The Same	United States	YUAN, Yixuan*; CHEN, Zhen(EE)
1071	L-RNA APTAMERS AND METHODS OF IDENTIFYING THE SAME	United States	KWOK, Chun Kit(CHEM); JI, Danyang(CHEM)
1072	Method And Analysis Device for Tracking Market Index And Unmixing Hyperspectral Image Using Modified Iterative Hard Thresholding for Nonnegative Sparse Recovery under Sum-to-one.	United States	SO, Hing Cheung(EE); LEUNG, Chi Sing Andrew(EE); LI, Xiaopeng(EE)
1073	Method And Electronic Device for Recovering Data Using Adaptive Rank-one Matrix Completion	United States	WANG, Zhiyong(EE); LI, Xiaopeng(EE); Zoubir, Abdelhak M.*; SO, Hing Cheung(EE)
1075	Reconfigurable Single-inductor Multiport Converter	United States	TSE, Chi Kong(EE); LI, Xiaolu(EE)
1077	Multistream Fusion Encoder for Prostate Cancer Segmentation And Classification	United States	YUAN, Baohua(EE); CHIU, Bernard Chi Yuen(EE); JIANG, Mingjie(EE); CHO, Carmen C.M.*
1078	MICROFLUIDIC CHAMBER, MICROFLUIDIC DEVICE CONTAINING A WATER PURIFICATION SYSTEM, AND A WATER PURIFICATION METHOD	United States	CHEN, Chun Kwan(BME); nan
1079	Flexible Sweat-Activated Graphene Coated Ni foam-based Mg-O2 Battery in Stretchable Microelectronics for Continuous Biomarkers Monitoring	United States	YU, Xinge(BME); LIU, Yiming(BME); HUANG, Xingcan(BME)
1080	SALT-ASSISTED PHASE TRANSFORMATION OF TRANSITION METAL DICHALCOGENIDES	United States and others	ZHANG, Hua(CHEM); LAI, Zhuangchai(CHEM)
1081	基于两电子转移机制的有机锂碘电池及其制作方法与应用	China	CHEN, Ze(MSE); HUANG, Zhaodong(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE)
1082	空间梯度分布的氟化合金涂层、锌金属负极及其制法、锌碘电池	China	ZHI, Chunyi(MSE); LIANG, Guojin(MSE)
1083	A CONTROLLED HEATING RATE BAKING PROTOCOL FOR THE SYNTHESIS OF BISMUTH VANADATE THIN FILMS	United States	ZHANG, Ruiqin(PHY); RASOOL, Rafiqat Ul(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	ZHENG, Mengjia(BME); XU, Chenjie(BME)
1086	仿蜘蛛丝二级结构的赖氨酸基聚氨酯聚脲及其制备与应用	China	SHI, Shuo(BME); SU, Yupei(BME); HU, Jinlian(BME); JIANG, Yuanzhang*
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	JIANG, Yuanzhang*; HU, Jinlian(BME); SU, Yupei(BME); SHI, Shuo(BME)
1088	Wind Turbine Performance Determination And Control	United States	YANG, Luoxiao(DS); ZHANG, Zijun(DS)
1090	Methods for Detection of Silver Nanoparticles	United States	SUN, Anqi*; WANG, Wenxiong(E2)
1091	CORE-SHELL NANOPARTICLES, METHODS OF PRODUCING THE SAME, AND USES THEREOF FOR DETECTING EXTRACELLULAR POLYMERIC SUBSTANCES	United States	WANG, Wenxiong(E2); YAN, Neng(E2)
1092	HYDROGEL-BASED CELL ENCAPSULATION METHOD, A CELL OR CELL-ENCAPSULATING POLYMERIZED MICROGEL AND A SYSTEM THEREOF, AND KIT THEREOF	China	YANG, Mengsu(BMS); ZHOU, Xiaoyu(BMS); WANG, Yuan(BMS); HOU, Xuhua(BTC)
1093	A cell cryopreservation protective composition, system, method and application of the same	China	WANG, Yuan(BMS); ZHOU, Xiaoyu(BMS); YANG, Mengsu(BMS)
1096	SENSOR DEVICE, SYSTEM AND METHOD FOR DETERMINING RODENT BAIT CONSUMPTION	Hong Kong	CHAN, Sheung Long(EE); CHUNG, Shu Hung Henry(EE); CHENG, Chun Sing(EE)
1097	RAPID DETECTION OF ZINC PYRITHIONE BY SERS	United States	LU, Jian(MNE); SHEN, Junda(MSE); LI, Yangyang(MSE); ZHONG, Jing(MSE); OU, Weihui(MNE)
1098	ABSORPTION VACUUM DEHUMIDIFICATION SYSTEM AND METHOD USING THE SAME	United States	LEE, Chun Kwong(CA); FONG, Kwong Fai Square(CA)
1099	Medical Implant with Controllable Electro-mechanical Interactions at A Material/Bacteria Interface	United States	WANG, Guomin(PHY); TANG, Kaiwei(PHY); MENG, Zheyi*; CHU, Paul Kim Ho(PHY)
1100	Power Generating and Gait Assisting Footwear Article	United States	PAN, Qiqi(MNE); YANG, Zhengbao(MNE)
1101	Mineral Hyderogels from Inorganic Salts	United States	LU, Jian(MNE); XU, Zhengtao(CHEM); LI, Yangyang(MSE); LIU, Jiahua(MSE); LI, Bo(MSE)
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	ZUKERMAN, Moshe(EE); GUO, Chao(EE); WANG, Xinyu(EE)
1105	A CYTOMETER AND A METHOD OF CYTOMETRY	United States	LAM, Hiu Wai Raymond(BME); HUANG, Wei(BMS)

1106	A SAMPLE PLATE FOR A MICROSCOPE, AN INTERFERENCE REFLECTIVE MICROSCOPE SYSTEM COMPRISING SUCH A SAMPLE PLATE AND A BRIGHTFIELD MICROSCOPE SYSTEM COMPRISING SUCH A SAMPLE PLATE	United States	LIU, Yi(BME); LAM, Hiu Wai Raymond(BME)
1107	SYSTEM AND METHOD FOR CHARGING BATTERIES	Hong Kong	CHUNG, Shu Hung Henry(EE); CHENG, Chun Sing(EE); LIU, Chun For(EE)
1111	OMNIDIRECTIONAL ANTENNA	United States	LEUNG, Kwok Wa(EE); HU, Pengfei(EE)
1112	BIFUNCTIONAL SEPARATOR, BATTERIES CONTAINING, AND METHOD OF MANUFACTURE THEREOF	United States	HOU, Yue(MSE); CHEN, Ze(MSE); ZHI, Chunyi(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); YIU, Chun Ki(BME); YU, Xinge(BME); SHI, Rui(BME)
1116	A CARBON NANOWIRE, A FABRIC, A MANUFACTURING METHOD THEREFOR, AND AN ADDITIVE FOR A FABRIC	United States	WANG, Tianqi(E2); SHANG, Jin(E2); SUN, Mingzhe(E2)
1117	便携式一氧化氮发生器及其使用方法和其在吸入一氧化氮治疗中的应用	China	SHANG, Jin(E2); WANG, Tianqi(E2); SUN, Mingzhe(E2)
1118	METHODS FOR RECYCLING USED ENGINE OIL	United States	LAU, Denvid(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); SHANG, Jin(E2); WANG, Tianqi(E2)
1123	SYSTEM AND METHOD FOR TISSUE-WIDE SINGLE CELL POST-TRANSCRIPTIONAL PROFILING OF MULTIPLE MOLECULAR TARGETS	United States	Ji, Xianglin(BME); SHI, Peng(BME)
1125	HYDRODYNAMIC CELL PAIRING AND FUSION SYSTEM AND RELATED METHODS	United States	LAM, Hiu Wai Raymond(BME); LIU, Lelin(BME)
1126	METHODS AND KITS FOR DETECTING VIRUS	United States	Ji, Xianglin(BME); ZHAO, Xi(BME); WANG, Zixun(BME); SHI, Peng(BME)
1127	MEMBRANE-BASED DESORPTION COOLING METHOD FOR PASSIVE THERMAL MANAGEMENT	United States	DING, Zhixiong(E2); SUI, Yunren(E2); ZHAI, Chong(E2); SUI, Zengguang(E2); LIN, Haosheng(E2); LI, Fuxiang(E2); WU, Wei(E2)
1128	MICRO-ELECTROPORATION BASED DRUG DELIVERY SYSTEM, METHODS FOR USE AND FABRICATION THEREOF	United States	SHI, Peng(BME); WANG, Yuan(BME); QU, Jin(BME); HE, Xingdao(BME); DUAN, Suling(BME); XIE, Kai(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	CHIN, Rebecca Y M(BMS); HU, Jianyang(BMS); HE, Qingling(BMS)
1131	GRADIENT METALLIC STRUCTURE AND SURFACE TREATMENT TO PRODUCE A GRADIENT METALLIC STRUCTURE	United States	SHEN, Junda(MSE); ZHOU, Binbin(CityUSRI); LI, Yangyang(MSE); LU, Jian(MNE)
1132	ASSISTIVE SYSTEM FOR THE VISUALLY-IMPAIRED	Hong Kong	LO, Wing Cheong(MA); CHAN, Hiu Ling(BME); KONG, Ka Wai(MNE)
1134	BILATERAL VIBROTACTILE ACTUATOR	United States	YU, Xinge(BME); LIU, Yiming(BME); PARK, Wooyoung(BME)
1135	DRUG COMPOSITION, METHOD FOR TREATING INFECTION, DISINFECTING COMPOSITION, AND DRUG ADJUVANT	United States	CHEN, Sheng(PH); XU, Chen(PH)
1137	Close-loop hydrogel systems for electrophysiology controlled of pharmaceutical intervention	United States	SHI, Peng(BME); QU, Jin(BME); XIE, Kai(BME)
1138	Multi-functional Hydrogel materials for electrical recording, drug encapsulation, and controlled drug release	United States	XIE, Kai(BME); QU, Jin(BME); SHI, Peng(BME)
1139	ULTRA-FLAT AND LOW-FRICTION METALLIC GLASS FILM AND A METHOD FOR PREPARING THE SAME	United States	LU, Jian(MNE); BAO, Yan(MNE); GU, Jialun(MNE)
1140	OPTOELECTRONIC SYSTEM AND PHOTODETECTOR FOR OPTOELECTRONIC SYSTEM	United States	GAO, Zhan(BME); YU, Xinge(BME)
1141	STRUCTURE FOR A MODULAR BUILDING UNIT, MODULAR BUILDING UNIT, AND BUILDING	Hong Kong	LIM, C W(CA); OR, Siu Hong(CA); CHEUNG, Yik Ming(ACE); Zhao, Shi Hui*; NG, Kwai Fung*; FUNG, Wing Hong*
1142	TRI-BAND DUAL-POLARIZED OMNIDIRECTIONAL ANTENNA	United States	HU, Pengfei(EE); LEUNG, Kwok Wa(EE)
1143	ANIMAL MODEL, METHODS FOR MAKING AND USING THEREOF, AND COMPOSITION FOR TREATING ATAXIA	United States	YANG, Sungchil(NS); WONG, Eric Hong Jian(NS)
1144	PATCH ANTENNA	United States	SUN, Jie(EE); LUK, Kwai Man(EE)
1145	Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease Prognosis	United States	LI, Wei(BME); nan; 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	WANG, Lingyun(MNE); DAOUD, Walid(MNE)
1151	单向导湿静电纺丝纤维膜及其制备方法	China	HU, Jinlian(BME); SHI, Shuo(BME); SI, Yifan(BME)
1153	ECOLOGICALLY ENHANCED ECO-TILE AND METHOD OF PRODUCTION / 生态学上增强生态砖和生产的方法	United States and others	POON, Chi-sun*; LEUNG, Mei Yee Kenneth (CHEM); ASTUDILLO PLACENCIA, Juan Carlos (SKMP)
1156	Guided-Wave-Driven Metasurface Antennas	United States	PANG, Stella W.(EE); ZHU, Shuyan(EE); CHAN, Chi Hou(EE); WU, Gengbo(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	WANG, Shiqi(CS); ZHANG, Pingping(CS); KWONG, Tak Wu Sam*
1163	PREPARATION OF SINGLE-CRYSTAL LAYERED CATHODE MATERIALS FOR LITHIUM- AND SODIUM-ION BATTERIES	United States	LIU, Qi(PHY); ZHU, He(PHY)
1166	METHOD AND ELECTRONIC DEVICE FOR RECOVERING DATA USING BI-BRANCH NEURAL NETWORK	United States	WANG, Maolin(DS); LI, Xiaopeng(EE); SO, Hing Cheung(EE)
1167	计时器及其显示面板、显示面板的制造方法	China	CHEN, Mu Ku(EE); LIU, Xiaoyuan(EE); TSAI, Din-ping(EE)
1168	艾里光束产生装置及焦点位置的调控方法、超构表面系统	China	TSAI, Din-ping(EE); ZHANG, Jingcheng(EE); CHEN, Mu Ku(EE)
1169	METHOD FOR SYNTHESIZING AMORPHOUS Pd-BASED NANOPARTICLES	United States and others	ZHANG, Hua(CHEM); GE, Yiyao(CHEM)
1170	DEEP LEARNING BASED OBJECT IDENTIFICATION AND/OR CLASSIFICATION	United States and others	LAM, Ho Sang(EE); TSANG, Wai Ming Peter(EE)
1171	Harmful cyanobacteria flocculation and algal bloom control using metal-organic frameworks	United States	WANG, Wenxiong(E2); LI, Yiling*
1172	一种高维量子随机数阵列产生系统	China	FAN, Yubin(EE); CHEN, Mu Ku(EE); TSAI, Din-ping(EE)
1173	A METHOD FOR RECOVERING METAL FROM WASTE PRINTED CIRCUIT BOARD AND A CELL THEREOF	United States	LAM, Chun Ho Jason(E2)
1174	DUAL-POLARIZED ANTENNA AND DUAL-POLARIZED ARRAY ANTENNA	United States	WANG, Manting(SKMW); CHAN, Chi Hou(EE)
1178	DETERMINATION OF PATH ARRANGEMENT OF INFRASTRUCTURE LINK NETWORK WITH TRUNK-AND-BRANCH TOPOLOGY	United States and others	GUO, Chao(EE); WANG, Tianjiao(EE); WANG, Zengfu*; WANG, Xinyu(EE); MORAN, Bill*; ZUKERMAN, Moshe(EE)
1184	PIEZOELECTRIC BIO-ORGANIC FILMS AND FABRICATION METHOD THEREOF	United States	YANG, Zhengbao(MNE); ZHANG, Zhuomin(MNE); LI, Xuemu(MNE)

1185	Label-free Liquid Biopsy-based Disease Model, Analytical Platform and Method for Predicting Disease	China	HUA, Haojun(BME); LI, Wei(BME); nan
1186	ANTENNA	United States	LEUNG, Kwok Wa(EE); XIA, Zhen-Xing(EE); GU, Pengfei*
1187	Method and System for Generating a 3D Image of a Body Shape	United States	LIU, Hongyu(MA); HO, Wing Cheong Daniel(MA)
1188	SIDEBAND-FREE SPACE-TIME-CODING METASURFACE ANTENNAS	United States	DAI, Junyan(SKMW); WU, Gengbo(EE); CHAN, Chi Hou(EE)
1189	FEDERATED RECOMMENDATION SYSTEM, DEVICE, AND METHOD	United States	LUO, Sichun(CS); SONG, Linqi(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	FU, Hongbo(SM); YE, Hui(SM)
1192	BRAIN DISEASE THERAPY ENHANCING INHIBITION OF GABAERGIC NEURONS	United States	HE, Ling(NS); REN, Junming*; YANG, Yujie*; HE, Jufang(NS)
1193	RECOMBINANT AAV VECTORS AND GENE THERAPIES FOR TREATING BRAIN DISEASES	United States	CHEN, Xi(NS); LAU, Siu Hin(NS); HE, Ling(NS); YOON, Ezra Ginn(NS); SHI, Heng(NS); ZHANG, Ge(NS); HE, Jufang(NS); YANG, Yujie*
1194	SINGLE-ATOMICALLY DISPERSED METAL / UNCONVENTIONAL-PHASE TRANSITION-METAL DICHALCOGENIDE NANOSHEET HYBRIDS AND METHODS OF PREPARATION AND USE THEREOF	United States	ZHANG, Hua(CHEM); SHI, Zhenyu(CHEM); RUAN, Xinyang(CHEM); YANG, Qi(CHEM)
1195	非线性超构透镜及其在产生真空紫外光中的应用与真空紫外激光器	China	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	CHEN, Mu Ku(EE); SUN, Linshan(EE); TSAI, Din-ping(EE)
1197	METHOD OF CONTROLLING THE OUTPUT OF AN INDUSTRIAL PROCESS	United States	LIU, Yiren(DS); QIN, S Joe(DS)
1199	TWO-DIMENSIONAL SCALABLE RADIATOR ARRAY	United States	CHAN, Chi Hou(EE); GAO, Liang(EE)
1200	Leg-based Wearable System with Propeller-based Force Feedback for Walking in Fluids in VR	United States	KE, Pingchuan(SM); CAI, Shaoyu(SM); GAO, Haichen(SM); ZHU, Kening(SM)
1202	HIGH-EFFICIENCY QUANTITATIVE CONTROL OF MITOCHONDRIAL TRANSFER BASED ON DROPLET MICROFLUIDICS	United States	SUN, Dong(BME); SUN, Jiayu(BMS)
1204	Exploiting state-coupling, disturbance, and nonlinearities for energy-saving robust control of suspension systems	United States	ZHANG, Menghua*; JING, Xingjian(MNE)

1205	RADIATOR FOR TERAHERTZ ELECTROMAGNETIC RADIATION	United States	CHAN, Chi Hou(EE); GAO, Liang(EE)
1209	ELECTROCATALYST HAVING QUASI-TWO-DIMENSIONAL METAL NANOSHEET HAVING TURING STRUCTURE MORPHOLOGY	United States	LU, Jian(MNE); GU, Jialun(MNE); LI, Lanxi(MSE)
1210	逆向流型的双层同心圆管的热交换器	China	PAN, Chin(MNE); JIANG, Xingchi(MNE)
1211	METHODS OF THE ULTRA-CLEAN TRANSFER OF TWO-DIMENSIONAL MATERIALS	United States	LIU, Haijun(CHEM); LY, Thuc Hue(CHEM)
1213	ALLOY AND FABRICATION THEREOF	United States	WANG, Hang(MNE); YANG, Yong(MNE)
1214	METHOD OF ALTERING DEGREE OF CURVATURE OF A MOLECULAR CATALYST FOR HIGHERCATALYTIC ACTIVITY	United States	SU, Jianjun(CHEM); YE, Ruquan(CHEM)
1215	GENERATION OF THREE DIMENSIONAL GEOLOGICAL MODEL OF GEOGRAPHIC SITE	United States and others	WANG, Yu(CA); SHI, Chao(CA)
1216	OPTICAL PRINTED CIRCUIT BOARD AND ITS FABRICATING METHOD	United States	CHAN, Hau Ping Andy(EE); JIN, Wei(EE); LOR, Kar Pong(EE); CHIANG, Kin Seng(EE)
1217	一种基于水凝胶电解质的可拉伸镁空气电池及完全可拉伸的自适应伤口敷料系统	China	HUANG, Xingcan(BME); LIU, Yiming(BME); YU, Xinge(BME)
1218	PASSIVE RADIATIVE COOLING CERAMIC	United States	ZHU, Tong(E2); ZHU, Yihao(E2); LEE, Hau Him(E2); TSO, Chi Yan(E2); CHEN, Siru(E2); HO, Tsz Chung(E2); LIN, Kaixin(E2)
1219	Thin, Soft, Passive Cooling Technologies for Wearable Electronics	United States and others	YU, Xinge(BME); LEI, Dangyuan(MSE); FU, Yang(MSE); LI, Jiyu(BME)
1221	Fully implantable and bioresorbable wireless microneedle device for electrostimulation and drug delivery in tissue repair	United States	YU, Xinge(BME); HUANG, Ya(BME); XU, Chenjie(BME)
1230	使用基于静态随机存取存储器的存储器内计算来进行非线性函数逼近的方法和电子设备	China	YANG, Junyi(EE); BASU, Arindam(EE)
1232	CONFINED MIGRATION MICROFLUIDIC DEVICE FOR CELL CULTURE AND DRUG SCREENING	United States	SI, Tongxu(BMS); YANG, Zihan(BMS); ZHOU, Zhihang(BMS); ZHOU, Zhengdong(BMS); YANG, Mengsu(BMS)
1233	SOLDER ALLOY COMPOSITION, ITS PREPARATION METHOD AND USES IN ROOM-TEMPERATURE RAPID SOLID-STATE SOLDERING	United States	nan; TU, King Ning(MSE)
1234	MATERIALS AND METHOD FOR TRAPPING LEAD LEAKAGE IN PEROVSKITE SOLAR CELLS	United States	LI, Zhen(CHEM); JEN, Alex Kwan Yue(MSE); ZHU, Zonglong(CHEM)
1235	A PROCESSOR FOR A CRYPTOSYSTEM	United States	MAO, Gaoyu(EE); LI, Guangyan(EE); LAM, Hiu Fung(EE); CHEUNG, Chak Chung Ray(EE)
1238	ANTENNA	United States	YANG, Chen(EE); LU, Kai*; LEUNG, Kwok Wa(EE)

1240	COATING COMPOSITION, ITS PREPARATION AND USE IN REDUCING HEAT GAIN	United States	FU, Yang(MSE); MA, Xue(MSE); LEI, Dangyuan(MSE)
1241	HIGH PHASE-PURITY GROWTH OF 1T'-TRANSITION METAL DICHALCOGENIDE MONOLAYERS	United States	ZHANG, Hua(CHEM); LI, Zijian(CHEM); ZHAI, Li(CHEM)
1245	METHODS AND COMPOSITIONS FOR TREATING CARBAPENEM-RESISTANT KLEBSIELLA PNEUMONIAE INFECTIONS	United States and others	NI, Hongyuhang(PH); CHEN, Sheng(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	ZHAO, Shijun(MNE); ZHANG, Jun(MNE)
1250	超透镜制备方法、制备装置及制造方法、结构及制备方法	China	SUN, Hui(CityUSRI); JIA, Boliang(MNE); LI, Wen Jung(MNE); ZHANG, Guanglie(MNE)
1252	HANDHELD DEVICE FOR PHOTOACOUSTIC MICROSCOPY AND RELATED PHOTOACOUSTIC MICROSCOPY SYSTEM	United States and others	WANG, Lidai(BME); CHEN, Jiangbo(BME)
1257	FAR-UVC LIGHT SOURCE WITH AN INTERNAL DIELECTRIC COATING FILTER ARRANGED ON THE INTERIOR SIDE OF ELECTRODE	United States and others	LEUNG, Kwok Wa(EE); LEE, Wai Ki(EE)
1259	DIRECT FORMATION OF ORIGAMI 3D GRAPHENE ON SUBSTRATES	United States	LIU, Haijun(CHEM); LY, Thuc Hue(CHEM); THI, Quoc Huy(CHEM)
1262	SARS-CoV-2 Rapid Detection Device	United States and others	YU, Xinge(BME); ZHOU, Jingkun(BME); LI, Hu(BME)
1264	Environment-Friendly Tin Perovskite Solar Cells and Methods for Preparing the Same	United States	WU, Xin(CHEM); LI, Bo(MSE); ZHU, Zonglong(CHEM)
1265	Hydrated hydrogen-bonded ionic co-crystals for solid-state electrolyte with grain boundary based fast ion transport pathways	China	HONG, Hu(MSE); ZHI, Chunyi(MSE)
1266	PHASED ARRAY ANTENNA AND ANTENNA FOR PHASED ARRAY ANTENNA	United States and others	LEUNG, Kwok Wa(EE); LU, Kai*; SU, Zhili(EE)
1267	PATTERN RECONFIGURABLE ANTENNA	United States and others	LEUNG, Kwok Wa(EE); YANG, Nan(EE); LIU, Xi-Yao(EE)
1268	HORN ANTENNA AND LENS FOR HORN ANTENNA	United States and others	ZHANG, Zhiyi(EE); LEUNG, Kwok Wa(EE); LU, Kai(EE)
1269	AN INSTANT UNDERWATER BIO-ADHESIVE CONTAINING CATECHOL MOIETIES AND WATER-RESISTANT CHOLESTEROL	United States and others	WANG, Dongan(BME); TAO, Chao(BME); JIN, Min(BME)
1270	SCALABLE CROSS-MODALITY IMAGE COMPRESSION	United States and others	WANG, Shiqi(CS); ZHANG, Pingping(CS); KWONG, Tak Wu Sam*

1271	COVALENT ORGANIC FRAMEWORK AND ENERGY STORAGE DEVICE	United States and others	LEE, Chun Sing(CHEM); WANG, Chenchen(CHEM); ZHANG, Qichun(MSE); XU, Shen(MSE)
1272	Sample-in-result-out closed microfluidic module for nucleic acid molecular POCT detection	United States and others	GUNAWAN, Renardi(BMS); AYELE, Bereket Workalemahu(BMS); YANG, Mengsu(BMS)
1273	SEAT SUSPENSION UTILIZING NONLINEAR STIFFNESS DESIGN	United States and others	JING, Xingjian(MNE)
1275	IMAGING SYSTEM AND DEPTH DETECTION SYSTEM	United States	TSAI, Din-ping(EE); LIU, Xiaoyuan(EE); CHEN, Mu Ku(EE)
1276	PROCESSING AND ENCODING SCREEN CONTENT VIDEO	United States and others	WANG, Shiqi(CS); CHEN, Yi(CS); KWONG, Tak Wu Sam*
1278	METHOD FOR THE PRODUCTION OF METAL-ORGANIC FRAMEWORK COATED LIGHT EMITTED DIODE	United States	LY, Thuc Hue(CHEM); MAN, Ping(CHEM); LEUNG, Ka Ho(CHEM)
1279	METHODS FOR IMAGING NOSE-TO-BRAIN DRUG DELIVERY	United States	LAW, Lok Hin(BME); HUANG, Jianpan(BME); CHAN, Wai Yan Kannie(BME)
1281	复合改性的钴酸锂正极材料及其制备方法与应用和正极极片、锂电池	China	REN, Jincan(PHY); LIU, Qi(PHY)
1282	表面复合改性的三元正极材料及其制备方法、正极极片和锂电池	China	LIU, Qi(PHY); REN, Jincan(PHY)
1283	一种掺杂改性的富钠正极材料及其制备和正极极片、钠离子电池	China	HUANG, Yalan(PHY); LIU, Qi(PHY)
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(PHY); LAU, Condon(PHY); ZHOU, Binbin(CityUSRI)
1286	Convolution and Transformer Based Compressive Sensing	United States and others	YE, Dongjie(CS); NI, Zhangkai(CS); KWONG, Tak Wu Sam*
1287	A LI-RICH LAYERED OXIDE CATHODE WITHOUT VOLTAGE DECAY	United States and others	LUO, Dong(PHY); YIN, Zijia(PHY); ZHU, He(PHY); LIU, Qi(PHY); REN, Yang(PHY)
1288	RADIATION-ACTIVATABLE PLATINUM COMPLEX, ITS PREPARATION AND THERAPEUTIC USE	United States and others	LIU, Gongyuan(CHEM); ZHU, Guangyu(CHEM)
1289	SIGNAL MODULATION CIRCUIT FOR SOLID STATE ELECTRONIC DEVICE AND CIRCUIT	United States and others	TANG, Ho Tin(EE); CHUNG, Shu Hung Henry(EE)
1290	VERSATILE ANTI-AMBIPOLAR PHOTOTRANSISTORS BASED ON MIXED-DIMENSIONAL HETEROJUNCTIONS	United States	HO, Johnny Chung Yin(MSE); MENG, You(MSE); WANG, Weijun(MSE); WANG, Wei(MSE)
1291	HIGHLY-EFFICIENT FULL VAN DER WAALS 1D p-Te/2D n-Bi2O2Se	United States	HO, Johnny Chung Yin(MSE); MENG, You(MSE); WANG, Weijun(MSE); WANG, Wei(MSE)

1292	MULTI-DEGREE VIBRATION ISOLATION UNIT	United States	JING, Xingjian(MNE)
1293	MULTI-DEGREE ANTI-VIBRATION UNIT	United States	JING, Xingjian(MNE)
1294	VAPOR DEPOSITION OF TELLURIUM NANOMESH ELECTRONICS ON ARBITRARY SURFACES AT LOW TEMPERATURE	United States and others	HO, Johnny Chung Yin(MSE); WANG, Wei(MSE); MENG, You(MSE); WANG, Weijun(MSE)
1295	WIDEBAND HIGH-GAIN OMNIDIRECTIONAL BICONICAL ANTENNA FOR MILLIMETER-WAVE	United States and others	LEUNG, Kwok Wa(EE); ZHANG, Zhiyi(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	ZUKERMAN, Moshe(EE); WANG, Zengfu*; WANG, Xinyu(EE); WANG, Tianjiao(EE)
1299	A SERVER AND A RESOURCE SCHEDULING METHOD FOR USE IN A SERVER	United States and others	ZUKERMAN, Moshe(EE); WANG, Tianjiao(EE); GUO, Chao(EE)
1300	Mutation-Independent Gene Knock-In Therapy Targeting 5' UTR	United States and others	HOANG, Anc Duc(BMS); LIAO, Baoshan(BMS); XIONG, Wenjun(BMS)
1302	A CuWO4 Hollow Nanosphere and Methods of Making Thereof	United States	CHEN, Dong(MSE); ZHANG, Shaoce(MSE); QUAN, Quan(MSE); BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE)
1303	一种稳定剂、聚合物、液态金属/聚合物复合材料及其制备方法	China	YAO, Xi(BMS); CAO, Chunyan(BMS); AI, Liqing(BMS)
1304	GOLD-COPPER ALLOY NANOSTRUCTURE AND METHOD FOR SYNTHESIZING THE SAME	United States and others	ZHOU, Xichen(CHEM); ZHANG, Hua(CHEM); ZHANG, An(CHEM)
1305	SYSTEM AND METHOD FOR FACILITATING MACHINE-LEARNING BASED MEDIA COMPRESSION	United States and others	WANG, Shiqi(CS); LIN, Rongqun(CS); KWONG, Tak Wu Sam*
1306	BIOSENSING SYSTEM AND METHOD FOR IN-SITU DETERMINATION OF METASTASIS IN A SAMPLE	United States	nan; ZHANG, Jing(BME); FU, Yatian(BME); LI, Wei(BME)
1307	CATALYST FOR SOLAR-DRIVEN ELECTROCATALYTIC OVERALL WATER SPLITTING AND METHODS OF MAKING AND USING THEREOF	United States	HO, Johnny Chung Yin(MSE); QUAN, Quan(MSE); WANG, Wei(MSE); ZHANG, Yuxuan(MSE)
1308	A PROTOCOL FOR THE SYNTHESIS OF BISMUTH VANADATE DOUBLE-LAYER HOMOJUNCTION WITHOUT HETEROATOMS AS PHOTOELECTRODE	United States	WANG, Haipeng(PHY); ZHANG, Ruiqin(PHY)
1309	HETEROSTRUCTURED ANTIMICROBIAL STAINLESS STEEL AND METHOD FOR SYNTHESIZING	United States and others	HUANG, Jacob Chih-Ching(IAS); YANG, Tao(MSE); ZHU, Yuntian(MSE); ROMERO RESENDIZ, Liliana(MSE)
1310	THIN FILM BASED STRUCTURE, RELATED FLEXIBLE ELECTRONIC DEVICE AND THEIR METHOD OF MAKING	United States	YANG, Zhengbao(MNE); LIU, Shiyuan(MNE)

1313	ARTIFICIAL VISUAL SYSTEMS WITH TUNABLE PHOTOCONDUCTIVITY BASED ON ORGANIC MOLECULE-NANOWIRE HETEROJUNCTIONS	United States and others	HO, Johnny Chung Yin(MSE); WANG, Wei(MSE); MENG, You(MSE); XIE, Pengshan(MSE)
1314	An approach for developing soft robots using an inverse origami design model	United States	HU, Qiqiang(BME); SUN, Dong(BME)
1315	METHOD AND ELECTRONIC DEVICE FOR PERFORMING ROBUST LOW-RANK MATRIX RECOVERY VIA HYBRID ORDINARY-WELSCH FUNCTION	United States and others	Zoubir, Abdelhak M.*; SO, Hing Cheung(EE); WANG, Zhiyong(EE)
1316	Echo-FAS: A Novel Acoustic-based Face Anti-Spoofing System for Smartphones	United States	KONG, Chenqi(CS); WANG, Shiqi(CS); LI, Haoliang(EE); ZHENG, Kexin(CS)
1318	THERMOELECTRIC DEVICE, THERMOELECTRIC UNIT FOR THERMOELECTRIC DEVICE, AND ITS METHOD OF MAKING	United States	SURJADI, James Utama(MNE); KARTHIKEYAN, Vaithinathan(MSE); LU, Yang(MNE); VELLAISAMY, A. L. Roy(MSE)
1320	CLOSED-LOOP NEUROSTIMULATION SYSTEM AND METHOD	United States	KUMAR, Gajendra(NS); MA, Chi Him Eddie(NS); CHU, Yen Yen Vivian(NS)
1322	ELECTROMAGNETIC DEVICES, ELECTROMAGNETIC ACTUATION SYSTEMS, AND METHODS THEREOF FOR GRADIENT ENHANCEMENT	United States	SUN, Dong(BME); HUO, Yingxin(BME); LAM, Wah Shing(BME)
1324	PREDICTION OF INDOOR BIOAEROSOL CONCENTRATIONS FROM INDOOR AIR QUALITY SENSOR DATA BY ARTIFICIAL INTELLIGENCE MODELS	United States and others	CHAU, Lik Tak Ricky(E2); LEE, Yik Yeung(E2); MIAO, Yanhao(E2); LEE, Patrick Kwan Hon(E2)
1325	一种主动式悬架系统控制方法及装置	China	ZHANG, Menguha(MNE); JING, Xingjian(MNE)
1327	Weakly-Supervised 3D Medical Image Segmentation using Geometric Prior and Contrastive Similarity	United States	XU, Yan*; DONG, Qihua(CS); DU, Hao(CS); LIAO, Jing(CS)
1329	A YOLK-SHELL NANOSTRUCTURE AND METHOD OF FABRICATING THE SAME	United States	BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE)
1330	Catalyst Channels with Anisotropic Structures by 3-D Printing	United States	BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE)
1332	METASURFACE STRUCTURE AND RELATED ARTICLE AND METHOD	United States	LEI, Dangyuan(MSE); LIAO, Yuan(MSE); WANG, Zhuochao(MSE); FAN, Yulong(MSE)
1333	ONE-POT PATHOGEN DETECTION SYSTEM AND METHOD FOR REAL-TIME LATERAL FLOW ASSAY	United States and others	YANG, Mengsu(BMS); GUNAWAN, Renardi(BMS); AYELE, Bereket Workalemahu(BMS); WU, Wanqing(BMS)
1337	COMPACT AND BROADBAND DOHERTY POWER AMPLIFIER	United States	ZHOU, Liheng*; Zhou, Xinyu*; CHAN, Wing Shing(EE)
1339	ANTENNA AND METASURFACE STRUCTURE FOR ANTENNA	United States and others	YANG, Chenfeng(EE); CHAN, Ka Fai(EE); WU, Gengbo(EE); CHAN, Chi Hou(EE)

1341	METHODS OF DETECTING CONGENITAL HEART DISEASE	United States	LI, Mengyao(CS); ZHANG, Wenqian(CS); LI, Shuaicheng(CS)
1346	VISUAL DETERMINATION OF PRESENCE AND/OR QUANTIFICATION OF ONE OR MORE SPECIES IN A SAMPLE SOLUTION	United States	LI, Jiaheng(BME); HARTANTO, Hogi(BME); CHEN, Ting Hsuan(BME)
1347	METHOD OF FABRICATING A HALIDE PEROVSKITE	United States and others	HO, Johnny Chung Yin(MSE); LAI, Zhengxun(MSE); MENG, You(MSE); WANG, Wei(MSE)
1348	POLYNITROSO COMPOUND, ITS PREPARATION AND ELECTROCHEMICAL USE	United States and others	KANG, Fangyuan(MSE); ZHANG, Qichun(MSE); LEE, Chun Sing(CHEM)
1349	HALIDE PEROVSKITE, ITS FABRICATION AND USE THE SAME	United States	HO, Johnny Chung Yin(MSE); LI, Dengji(MSE); MENG, You(MSE); ZHENG, Yini(MSE)
1350	MICROFLUIDIC CHIP, SYSTEM, AND METHOD FOR DETERMINING CELL DEFORMABILITY	United States and others	ZOU, Shangjie(BME); nan; HUA, Haojun(BME)
1354	REINFORCEMENT LEARNING BASED THE NETWORK TRANSMISSION OF COMPRESSED GENOMES	United States and others	SUN, Zhenhao(CS); WANG, Shiqi(CS); LI, Xiaona(CS); KWONG, Tak Wu Sam*
1355	METHOD OF FORMING A NANOTWINNED, AUSTENITE/MARTENSITE NANO-LAMELLAR NANOSTRUCTURE IN AN AUSTENITE STEEL ALLOY	United States and others	YANG, Tao(MSE); LI, Qian(MSE)
1356	COVALENT ORGANIC FRAMEWORK AND ITS ELECTROCHEMICAL USE	United States and others	ZHANG, Qichun(MSE); XU, Shen(MSE); WANG, Chenchen(CHEM); LEE, Chun Sing(CHEM)
1357	MULTI-POLARIZATION ANTENNA AND MULTI-POLARIZATION ANTENNA ARRAY	United States and others	LEUNG, Kwok Wa(EE); YANG, Chen(EE); LU, Kai*
1360	Automatic Watch Inspired Omnidirectional All 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	DAI, Liang(PHY); SUN, Liang(PHY); LI, Xinyu*
1363	基于贝叶斯压缩感知的稀疏空间数据分析软件[简称：ASSD-BCS]V1.2	China	ZHAO, Tengyuan*; HU, Yue*; LYU, Borui(CA); WANG, Yu(CA)
1364	Chemical vapor deposition of Single Layer Tungsten Diselenide on targeted substrate without applying hydrogen gas	United States	LY, Thuc Hue(CHEM); MAN, Ping(CHEM); KIM, Yujeong(CHEM); LEUNG, Ka Ho(CHEM); CHAN, Chi Ying(CHEM)
1365	ELECTRONIC DEVICE FOR PROVIDING OR AFFECTING SMELL AND ASSOCIATED EXTENDED REALITY DEVICE	United States and others	YU, Xinge(BME); YIU, Chun Ki(BME); LIU, Yiming(BME); PARK, Wooyoung(BME)

1366	ADSORPTION RADIANT AIR-CONDITIONING SYSTEM COMPRISING VACUUM DEHUMIDIFICATION AND HIGH-TEMPERATURE COOLING	United States	LEE, Chun Kwong(CA); FONG, Kwong Fai Square(CA)
1367	ULTRASENSITIVE LABEL-FREE BIOSENSOR FOR RAPID AND LOW-COST DETECTION OF METASTATIC STATUS	United States	ZHU, Mingze(BME); nan
1368	PORTABLE BLOOD PRESSURE SENSOR AND SENSING METHOD THEREOF	United States and others	YU, Xinge(BME); JIA, Huiling(BME); ZHOU, Jingkun(BME); LI, Jian(BME)
1370	G4-SPECIFIC PEPTIDES AND METHODS OF IDENTIFYING THE SAME	United States	MOU, Xi(CHEM); KWOK, Chun Kit(CHEM)
1375	FISH-LIKE SHAPE ROBOTIC DEVICE	United States and others	LI, Dengfeng(CHEM); HUANG, Xingcan(BME); ZHOU, Jingkun(BME); YU, Xinge(BME)
1376	DIELECTRIC ANTENNAS FOR INTEGRATED SENSING AND COMMUNICATION	United States and others	SUN, Wenjian(EE); WONG, Hang(EE)
1377	COMPUTER-IMPLEMENTED METHOD AND SYSTEM FOR VIDEO CODING	United States and others	WANG, Shiqi(CS); CHEN, Jiancong(CS)
1378	Immortalization of Primary Resting T Cells by CRISPR/dCas9-Based Epigenetic Modifiers and Transcriptional Activators	United States	HUANG, Siping(BME); LAU, Cia Hin(BME); TIN, Chung(BME); LAM, Hiu Wai Raymond(BME)
1379	PHASE-CONTROLLABLE SYNTHESIS OF TRANSITION METAL DICHALCOGENIDE MONOLAYERCRYSTALS	United States and others	ZHAI, Wei(CHEM); ZHANG, Hua(CHEM); WANG, Yongji(CHEM)
1381	MICROFLUIDIC CELL MEMBRANE IMMUNOSORBENT ASSAY FOR HIGH-THROUGHPUT MULTIPLEXED PHENOTYPIC ANALYSIS OF SINGLE CELLS	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); SHI, Shuo(BME); HU, Jinlian(BME); MENG, Shuo(BME)
1383	METHOD FOR SYNTHESIZING INTERMETALLIC ALLOY NANOPARTICLES	United States and others	GE, Yiyao(CHEM); HUANG, Biao(CHEM); ZHANG, Hua(CHEM)
1384	METHOD FOR SYNTHESIZING AMORPHOUS NOBLE METAL-CRYSTALLINE SEMINCONDUCTOR/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); CHEN, Dong(MSE); HO, Johnny Chung Yin(MSE)
1388	ALL-FIBROUS DIRECTIONAL WATER WICKING ELECTRONIC SKIN AND PREPARATION METHOD THEREOF	United States	ZHI, Chuanwei(BME); SHI, Shuo(BME); SI, Yifan(BME); HU, Jinlian(BME)
1389	PCM IMBEDDED AUXILIARY LOAD REGULATOR FOR AIR-HANDLING UNITS	United States	SUN, Yongjun(CA); HUANG, Gongsheng(CA); WAN, Hang(CA)

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(EE); LEUNG, Kwok Wa(EE)
1393	SURFACE-BASED 3D MODELLING TECHNIQUES ON TOUCHSCREEN DEVICE WITH ANGLE-ADJUSTABLE TOUCHSCREEN	United States	LIU, Can(SM); CASSINELLI, Alvaro(SM); DAI, Chenyue(CS)
1398	METHODS FOR TREATING HYPERVIRULENT KLEBSIELLA PNEUMONIAE INFECTION	United States	YANG, Guan(PH); LIU, Xiaoxuan(PH); XU, Qi(PH); CHEN, Sheng(PH)
1400	Quantum meta-device for ultrasensitive displacement metrology	United States and others	TSAI, Din-ping(EE); FAN, Yubin(EE); CHEN, Mu Ku(EE)
1401	Robust synthesis of cell-penetrating peptide-L-RNA aptamer conjugate and the applications thereof	United States	ZHANG, Kun(CHEM); KWOK, Chun Kit(CHEM)
1402	ANISOTROPIC POROUS MICRONEEDLE, METHOD OF MANUFACTURE, AND METHOD OF USE THEREFOR	United States	HU, Tianli(BME); XU, Chenjie(BME)
1403	RADIATOR FOR TERAHERTZ ELECTROMAGNETIC RADIATION	United States	GAO, Liang(EE); CHAN, Chi Hou(EE)
1404	METASURFACE ANTENNA AND METASURFACE STRUCTURE FOR ANTENNA	United States	CHAN, Chi Hou(EE); SHUM, Kam Man(SKMW); DAI, Junyan(SKMW); WU, Gengbo(EE); CHAN, Ka Fai(EE)
1405	A Cleaning Method for 2D Materials and Substrates	United States	LIU, Haijun(CHEM); LY, Thuc Hue(CHEM)
1408	FLEXIBLE PEROVSKITE SOLAR CELLS AND FABRICATION THEREOF	United States	LI, Bo(MSE); ZHU, Zonglong(CHEM); GAO, Danpeng(CHEM)
1409	CONDENSATION-FREE PERSONALIZED RADIANT COOLING BOARD	United States	HUANG, Gongsheng(CA); LIANG, Yuying(CA)
1411	A METHOD FOR FABRICATING AN AROMATIC POLYMER AND A POLYMER FABRICATED ACCORDING THERETO	United States	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	SUN, Xianglang(CHEM); WU, Xin(CHEM); ZHU, Zonglong(CHEM)
1413	A COMPOSITE MATERIAL AND PREPARATION FOR THE SAME	United States and others	LIU, Sai(E2); TSO, Chi Yan(E2)
1414	WEARABLE ELECTRONIC DEVICE FOR PROVIDING OR AFFECTING SMELL	United States	JIAO, Yanli(BME); PARK, Wooyoung(BME); YU, Xinge(BME); LIU, Yiming(BME)
1415	RADIATOR FOR PROVIDING TERAHERTZ ELECTROMAGNETIC RADIATION	United States	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	LY, Thuc Hue(CHEM); THI, Quoc Huy(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	Nanotwinning-Assisted Structurally Stable Copper for Fine-Pitch Redistribution Layer in 2.5D/3D IC Packaging	United States	nan
1420	Unconventional-Phase High-Entropy Alloy Nanostructures for Highly Efficient Electrocatalysis	United States	ZHAI, Li(CHEM); LI, Zijian(CHEM); ZHANG, Hua(CHEM); ZHANG, An(CHEM)
1421	A COMPOSITE MATERIAL AND ITS PREPARATION METHOD	United States	DU, Yuwei(E2); LIU, Sai(E2); TSO, Chi Yan(E2); HO, Tsz Chung(E2)
1422	HIGH CAPACITY, HIGH ENERGY DENSITY AND HIGH POWER REVERSIBLE Li-CI2 BATTERY SYSTEM	United States	LI, Pei(MSE); LI, Xinliang(MSE); ZHI, Chunyi(MSE)
1423	DIRECT SYNTHESIS OF IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS, AND IMPROVED SUPERHYDROPHOBIC CARBON NITRIDE CO-PRODUCTS THEREOF	United States	LY, Thuc Hue(CHEM); THI, Quoc Huy(CHEM); MAN, Ping(CHEM)
1424	POWER-TO-WATER BATTERY AND USES THEREOF	United States and others	LIN, Haosheng(E2); WU, Wei(E2)
1425	DATA ANALYTICS SYSTEM AND ITS OPERATION	United States	ZANG, Yichen(CS); WANG, Cong(CS); CAI, Chengjun(CS)
1426	Method for fabricating Reusable Visible-light Driven Anti-virus Photocatalytic ZIF-8 Loaded Fabric for Air Cleaning	United States	SUN, Jiawei(E2); SUN, Mingzhe(E2); GUO, Jiaxin*; WONG, Pak Wai(E2); AN, Kyoung Jin Alicia(E2); SHANG, Jin(E2)
1427	HYBRID SYSTEM FOR ELECTRICITY AND WATER GENERATION, PASSIVE COOLING INDUCED CO-GENERATOR APPARATUS, AND MANUFACTURING METHOD THEREFOR	United States	MAO, Zhengyi(MNE); CAO, Zhaowenbo(MNE); WANG, Qiliang*; YAO, Yao*; LU, Jian(MNE)
1428	ALL-DRY MICRO-/NANOFABRICATION METHOD OF MICRO-SCALE THIN-FILM SOLAR CELLS FOR WIRELESS MICROSYSTEMS	United States	WANG, Kun(BME); DONG, Lixin(BME); HOU, Chaojian(BME)
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); MENG, Shuo(BME); ZHANG, Shuai(BME)

1432	An excellent strength-ductility, high density multi-component high entropy alloy and a preparation method thereof	United States	JU, Jiang(MSE); YANG, Tao(MSE)
1434	WATER-FREE EYE MASK WITH NEGATIVE ION PHYSIOTHERAPY AND TRADITIONAL CHINESE MEDICINE BENEFITS AND FABRICATION METHOD THEREOF	United States and others	ZHANG, Hanshui(BME); GUO, Chunxia(BME); SI, Yifan(BME); HU, Jinlian(BME)
1437	TRAINING AND/OR OPERATING GRAPH NEURAL NETWORK BASED RECOMMENDATION SYSTEM	United States	SONG, Linqi(CS); LUO, Sichun(CS)
1438	TRAINING AND OPERATING NEURAL NETWORK BASED RANKING MODEL	United States	LUO, Sichun(CS); SONG, Linqi(CS)
1440	集成铈酸锂微波光子处理引擎	China	GE, Tong(EE); WANG, Cheng(EE); YUAN, Yixuan*; GUO, Xiaoqing(EE); FENG, Hanke(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 of use LRPAP1 inhibitors against multiple virus infections	United States	LI, Huangcan(BMS); WANG, Xiong(BMS); HE, Mingliang(BMS)
1448	METHOD OF MAKING MINIATURIZED LIGHT EMITTING DEVICE ARRAYS	United States	HE, Jr-Hau(MSE); TSAI, Chun-Wei(MSE); CHENG, Yuk Tong(MSE)
1449	INTELLIGENT TRAFFIC CONTROL METHOD BASED ON IOT AND REINFORCEMENT LEARNING TECHNOLOGIES	United States	nan
1450	MEDICAL IMAGE COMPRESSION AND/OR RECONSTRUCTION	United States	KWONG, Tak Wu Sam*; WANG, Meng(CS); WANG, Shiqi(CS); LIU, Xiangrui(CS)
1452	FACILITATING ENCODING OF VIDEO DATA USING NEURAL NETWORK	United States	WANG, Shiqi(CS); MAO, Yunhao(CS); KWONG, Tak Wu Sam*
1453	METHOD AND SYSTEM FOR LEARNED VIDEO COMPRESSION	United States	GUO, Haifeng(CS); WANG, Shiqi(CS); YE, Dongjie(CS); KWONG, Tak Wu Sam*
1454	PREPARATION OF TWO-DIMENSIONAL MOLYBDENUM PHOSPHIDE VIA SURFACE-CONFINED ATOMIC SUBSTITUTION	United States	HE, Qiyuan(MSE); QI, Junlei(MSE); WANG, Wenbin(MSE)
1455	DISSOLVABLE MICRONEEDLE	United States	YU, Jinming(BME); XU, Chenjie(BME); ZHAO, Yayi(BME)
1456	AMORPHOUS-CRYSTALLINE PALLADIUM-BASED HETEROPHASE NANOSTRUCTURES FOR ELECTROCATALYTIC APPLICATIONS	United States	LI, Lujiang(CHEM); GE, Yiyao(CHEM); LUO, Qinxin(CHEM); ZHANG, Hua(CHEM)

1457	GRAPHENE OXIDE-BASED FLUORESCENT SENSOR FOR BIOMOLECULE DETECTION	United States	LI, Pan(CHEM); LO, Pik Kwan Peggy(CHEM); LIU, Ling Sum(CHEM); LEUNG, Hoi Man(CHEM); WANG, Fei(CHEM)
1458	PHENAZINE DERIVATIVE-BASED ALKALINE BATTERY	United States	ZHI, Chunyi(MSE); CUI, Huilin(MSE); ZHU, Jiaxiong(MSE)
1460	Aqueous Zn NO2 Electrochemical Cell	United States	ZHI, Chunyi(MSE); MA, Longtao(MSE)
1462	Reversible Semimetal-semiconductor Transition of Unconventional-phase WS2 Nanosheets	United States	HE, Qiyuan(MSE); ZHAI, Wei(CHEM); ZHANG, Hua(CHEM)
1463	CRYPTOSYSTEM WITH UTILIZING SPLIT-RADIX DISCRETE GALOIS TRANSFORMATION	United States	LI, Guangyan(EE); MAO, Gaoyu(EE); LAM, Hiu Fung(EE); CHEUNG, Chak Chung Ray(EE)
1464	HIGHLY DISTORTED PLATINUM NANOMEMBRANE AS ULTRA-EFFICIENT YET LOW-COST CATALYST	United States	YANG, Yong(MNE); GAO, Xiang(MNE); TENG, Yun(MNE); PARK, Minhyuk(MNE)
1465	METHOD FOR SYNTHESIZING NOBLE METAL-SEMICONDUCTOR HETEROSTRUCTURES AND PHOTOCATALYTIC SYSTEM	United States	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	ZHANG, Hua(CHEM); HE, Zhen(CHEM); LIAO, Lingwen(CHEM)
1467	利用知识冗余的图像集压缩	China	WANG, Shiqi(CS); ZHANG, Pingping(CS); KWONG, Tak Wu Sam*
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*; ZHANG, Pingping(CS); WANG, Shiqi(CS)
1469	A kind of dual-phase diamond	United States	YIN, Jianan(MNE); LU, Jian(MNE)
1470	具有富含羟基的水凝胶电解质的水溶性锌基电池	China	ZHANG, Rong(MSE); LI, Chuan(MSE); ZHI, Chunyi(MSE)
1475	SELF-POARED TACTILE SENSORS AND MANUFACUTRE METHODS THEREOF	United States	ZHI, Chuanwei(BME); SHI, Shuo(BME); HU, Jinlian(BME)
1476	Preserving Tumor Volumes for Unsupervised Medical Image Registration	United States	DU, Hao(CS); LIAO, Jing(CS); XU, Yan*; DONG, Qihua(CS); SONG, Ying*; WANG, Xin*
1477	ANTENNA AND ANTENNA-INTEGRATED ARTICLE	United States	LO, King Tung(EE); NG, Ling Chi(EE); WONG, Hang(EE); SO, Kwok Kan(SKMW)
1478	室内分布式天线系统的拓扑结构设计方法及相关设备	China	HUANG, Peiqiu(CS); WU, Xilei(CS); ZHANG, Qingfu(CS)
1479	A HYDROCHROMIC HALIDE PEROVSKITE, ITS PREPARATION AND USE THE SAME	United States	CHEN, Jiangkun(MSE); WANG, Feng(MSE)
1480	QUALITY-BASED PROCESSING OF VIDEO	United States	KWONG, Tak Wu Sam*; MAO, Yunhao(CS); WANG, Shiqi(CS)

1481	SMART WICKING EVAPORATOR FOR HIGH-EFFICIENCY COOLING ON PHOTOVOLTAICS	United States	LI, Fuxiang(E2); WU, Wei(E2)
1482	IMAGE RECOVERY PROCESSOR UTILIZING FRAMEWORK FOR GENERATING SPARSITY REGULARIZERS FOR IMAGE RESTORATION	United States	Zoubir, Abdelhak M.*; SO, Hing Cheung(EE); WANG, Zhiyong(EE)
1483	用于VVC帧内编码的联合率失真优化方法、装置及设备	China	WANG, Shiqi(CS); ZHANG, Yingwen(CS)
1484	ANTENNA APPARATUS AND RELATED ELECTRONIC DEVICE	United States	HU, Pengfei(EE); LEUNG, Kwok Wa(EE)
1485	SYSTEM AND METHOD FOR COMPRESSING AND/OR RECONSTRUCTING MEDICAL IMAGE	United States	KWONG, Tak Wu Sam*; WANG, Shiqi(CS); LIU, Xiangrui(CS)
1486	MICROFLUIDIC DEVICE AND METHOD FOR EXTRACTING BLOOD PLASMA FROM WHOLE BLOOD	United States and others	HARTANTO, Hogi(BME); CHEN, Ting Hsuan(BME)
1487	CANTILEVER-BASED OPTO-ELECTROMECHANICAL SYSTEM FABRICATION METHODS	United States	DONG, Lixin(BME); HOU, Chaojian(BME); WANG, Kun(BME); ZHANG, Wenqi(BME)
1488	FABRICATION METHODS FOR 3D STRUCTURES BASED ON ROLLING-UP KIRIGAMI TECHNIQUES	United States	ZHANG, Wenqi(BME); WANG, Kun(BME); HOU, Chaojian(BME); DONG, Lixin(BME)
1489	Ni2P/MoNiP2/MoP Heterostructure Electrocatalysts for Efficient Hydrogen Evolution Reaction	United States	BU, Xiuming(MSE); HO, Johnny Chung Yin(MSE)
1490	一种双层快干透湿高发射制冷薄膜及其制备方法与应用	China	LEI, Leqi(BME); HU, Jinlian(BME)
1491	一种多功能防护膜及其制备方法与应用	China	HU, Jinlian(BME); YANG, Jieqiong(BME); ZHI, Chuanwei(BME); SI, Yifan(BME)
1492	锂电池充电控制方法、装置、设备及存储介质	China	LIU, Yuanming(E2); CHEN, Guohua(E2)
1493	CARBON-DOPED ALLOY STEEL WITH SUPER ROOM-TEMPERATURE DUCTILITY AND ITS PREPARATION PROCESS	United States and others	LI, Qian(MSE); YANG, Tao(MSE)
1494	一种基于直流-直流变换器的新型周期能量控制策略	China	MA, Tianlu(EE); JIANG, Chaoqiang(EE)
1496	ELECTROLYTE ADDITIVES AND RECHARGEABLE BATTERIES COMPRISING THE SAME	United States	DUAN, Qiaohui(E2); YU, Yau Wai Denis(E2)
1497	A DEEP LEARNING-BASED APPROACH FOR SOLVING OPTIMAL POWER FLOW PROBLEMS WITH FLEXIBLE TOPOLOGY	United States	ZHOU, Min(DS); CHEN, Minghua(DS)
1498	ALGORITHM FOR DETECTING PHAGES BASED ON METAGENOMIC ASSEMBLY RESULTS	United States	PAN, Guangze(CS); WANG, Ruohan(CS); LI, Shuaicheng(CS)
1499	POINT CLOUD GEOMETRY COMPRESSION	United States	WANG, Shiqi(CS); WU, Xinju(CS); KWONG, Tak Wu Sam*
1500	THERMOMIGRATION CREEP FOR ENHANCED CU-TO-CU DIRECT BONDING	United States	TU, King Ning(MSE)

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	WEI, Zhiquan(MSE); ZHI, Chunyi(MSE); LIANG, Guojin(MSE)
1503	一种肌肤诱导自导湿的干态面膜、原液及制备方法与应用	China	HUANG, Kaisong(BME); HU, Jinlian(BME); SI, Yifan(BME); GUO, Chunxia(BME)
1504	Sweat Extraction and Monitoring System	United States	WU, Pengcheng(BME); XU, Guoqiang(BME); SHI, Rui(BME); YANG, Yawen*; YU, Xinge(BME); HUANG, Xingcan(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	WU, Shengfan(MSE); JEN, Alex Kwan Yue(MSE); YAN, Yichao(CHEM)
1508	WIDE-BAND PHOTODETECTORS USING THERMOELECTRIC MATERIALS	United States	MENG, You(MSE); ZHANG, Yuxuan(MSE); HO, Johnny Chung Yin(MSE)
1511	Alkaline Earth Metal Confined in Carbon-coupled Polymer Membrane for High-performance Piezocatalysis	United States	ZHAO, Qi(CHEM); SUN, Yajun(MNE); YAO, Weifeng*; Lee, Chun-Sing(CHEM)
1512	Alkaline Earth Metal Confined in Carbon Materials for High-performance Piezocatalysis	United States	Lee, Chun-Sing(CHEM); YAO, Weifeng*; SUN, Yajun(MNE); ZHAO, Qi(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	ZHOU, Jingkun(BME); JIA, Huiling(BME); Yu, Xinge(BME); LI, Jian(BME)
1519	Biomimetic Thermal Regulating Fabric and Method for Constructing the Same	United States	HUANG, Xingcan(BME); ZHANG, Qiang(IS); YU, Xinge(BME); CHOW, Lung(BME)
1520	ROBOT OPERABLE TO FLY AND HOP	United States	BAI, Songnan(BME); DING, Runze(BME); CHIRARATTANANON, Pakpong(BME)
1521	SYSTEMS AND METHODS FOR PREPROCESSING IMMUNOCYTOCHEMISTRY IMAGES FOR MACHINE LEARNING IMAGE-TO-IMAGE TRANSLATION	United States and others	YUAN, Yixuan*; KEE, Wing Sze(ANSD); LI, Xinyue(DS); HILL, Fraser Ian(VDL); LAU, Condon(PHY); CHEUK, Wah*; CHO, Chi Shing*; LAW, Wing Lun(PHY); HERNANDEZ MUGUIRO, Daniela(VDL); CHAN, Cheuk Ying Cherry(PHY); ZHANG, Wei(DS); GIULIANO, Antonio(VCS); Ahmed, Irfan(PHY); HOCKLEY, Duncan*; CHEUNG, Tin Yan Elaine*

1522	THERMAL SABLE, ONE-DIMENSIONAL HEXAGONAL-PHASE VANADIUM SULFIDE NANOWIRES AND METHODS FOR PREPARING THE SAME	United States and others	REN, Yi(CHEM); ZHANG, Hua(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	LI, Yezhan(MSE); QUAN, Quan(MSE); LAI, Zhengxun(MSE); MENG, You(MSE); HO, Johnny Chung Yin(MSE)
1525	Dielectric Resonator (DR)-fed Patch Antenna	United States	WONG, Hang(EE); LO, King Tung(EE); SUN, Wenjian(EE)
1526	Wide Aperture-coupled Dielectric Resonator Antenna (DRA)	United States	LO, King Tung(EE); WONG, Hang(EE)
1529	4D printing of shape memory ceramics	United States	LU, Jian(MNE); LIU, Guo(MNE)
1530	Compositions and methods for the production of low-carbon foam concrete	United States	CHEN, Huaguo(CA); LIANG, Kaikang(CA); LAU, Denvi(CA)
1532	Biomass-based stretchable hydrogel materials applied in monitoring human body motion	United States	ZHAO, Hong(MNE); LI, Weilu(MNE); BO, Xiangkun(MNE); DAOUD, Walid(MNE)
1533	Development of non-G4-containing L-RNA aptamer for RNA structure and the applications thereof	United States	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	LI, Zhenjiang(CS); WU, Xianjing(CS); ZHAO, Shengjie*; LIU, Zhidan*
1535	AUTOREGRESSIVE BASED DATA COMPRESSION	United States	KUO, Tei-Wei*; MAO, Yu(CS); XUE, Chun Jason(CS)
1536	MICROMECHANICAL MODEL FOR BIOINSPIRED NANOCOMPOSITES WITH INTERPHASE	United States	XIA, Heping(MNE); WANG, Bin(MNE)
1537	A HIGH-VOLTAGE LITHIUM-ION BATTERY WITH A WIDE ELECTROCHEMICAL WINDOW OF POLYMER ELECTROLYTES	United States	HOU, Yue(MSE); ZHI, Chunyi(MSE)
1538	A NONLINEAR INERTIA-BASED VIBRATION ISOLATION SYSTEM	United States	JING, Xingjian(MNE)
1540	A NEW DESIGN APPROACH FOR AN AIR DISINFECTION DEVICE	United States	LU, Yuhao(E2); WANG, Minghao(CA); ZHANG, Huihui(E2); LAI, Chi Keung Alvin(E2)
1541	PHOTOELECTROCHEMICAL LITHIUM EXTRACTION DEVICE	United States	LI, Zhongxiao(MSE); HE, Jr-Hau(MSE)
1543	A strong-yet-ductile chemically complex alloy over a wide temperature range and its preparation method	United States	nan; 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	FIRDOUS, Irum(MNE); FAHIM, Muhammad(MNE); DAOUD, Walid(MNE)
1547	RSS-oriented Emergency Positioning System	United States	HE, Jiajun(EE); XIONG, Wenxin*; SO, Hing Cheung(EE)
1548	METHODS OF INHIBITING KLEBSIELLA PNEUMONIAE CARBAPENEMASE-2	United States	TANG, Yang(PH); YANG, Chen(PH); CHEN, Sheng*; LIU, Chenyu(PH)
1550	A water-responsive regenerated keratin fiber and a preparation method thereof	United States	XU, Xiaoyun(BME); HU, Jinlian(BME)
1552	DEFECT-RICH MoS2 MONOLAYER, METHODS FOR PRODUCING THE SAME AND USES THEREOF	United States	MAN, Ping(CHEM); LY, Thuc Hue(CHEM); LEUNG, Ka Ho(CHEM)
1553	Use fluorescent probe and fish cells to determining acuta toxicity of pollutants	United States	Xia, Yiteng(E2); WANG, Wenxiong(E2)
1554	High-performance organic Li-bromine batteries enabled by two-electron redox chemistry	United States	ZHI, Chunyi(MSE); LI, Xinliang(MSE); LI, Pei(MSE)
1558	Magnetic Impact Needle Robot	United States	XIANG, Yuxuan(BME); ZHANG, Jiachen(BME)
1562	3D LIQUID DIODE AND PERMEABLE ELECTRONIC DEVICES BASED ON THE SAME	United States	ZHOU, Jingkun(BME); LI, Jiyu(BME); YU, Xinge(BME); Zhang, Binbin(BME)
1563	手持式定向静电纺丝设备	China	GUO, Chunxia(BME); HUANG, Kaisong(BME); SI, Yifan(BME); HU, Jinlian(BME)
1565	BIMETALLIC ALLOY NANOSTRUCTURES FOR EFFICIENT AMMONIA ELECTROSYNTHESIS	United States	FAN, Zhanxi(CHEM); WANG, Yunhao(CHEM)
1566	Surface molecular modification of ultrathin RhCu metallenes for zinc-nitrate/ethanol batteries	United States	FAN, Zhanxi(CHEM); ZHOU, Jingwen(CHEM); XIONG, Yuecheng(CHEM)
1571	Nano-metal Embedding Technology for Feeding to Improve Heat Stress Resistance in Marine Fish	United States	MA, Shuoli(E2); WANG, Wenxiong(E2)
1573	A method for all zero block detection in versatile video coding	United States	WANG, Shiqi(CS); SUN, Zhenhao(CS); KWONG, Tak Wu Sam*
1576	耦合器及用电设备	China	JIANG, Chaoqiang(EE); CHEN, Chen(EE)
1578	A Brain-Computer Interface-Based Semantic Mapping and Communication System by Utilizing Signals from Brain Functional Areas	United States	WU, Dapeng*; CHEN, Peilin(CS); WANG, Shiqi(CS)
1579	RNA G-QUADRUPLEX BASED PROTEOLYSIS-TARGETING CHIMERAS	United States	ZHANG, Kun(CHEM); KWOK, Chun Kit(CHEM)

1580	Simultaneous salt rejection and heat localization via engineering wick structure and macrochannels in 3D evaporator, and manufacturing method therefor	United States	LU, Jian(MNE); LI, Lanxi(MSE); CHEN, Yingxian(MSE); MAO, Zhengyi(MNE); HAN, Yicheng(MNE)
1583	A Base Station Sleeping Strategy in Heterogeneous Cellular Networks Based on User Traffic Prediction	United States	WANG, Xinyu(EE); ZUKERMAN, Moshe(EE); XU, Jiahe(EE); GUO, Chao*; Lyu, Bingchen*
1584	METHOD AND SYSTEM FOR SUBMARINE CABLE PATH PLANNING	United States	WANG, Xinyu(EE); ZUKERMAN, Moshe(EE); WANG, Zengfu*
1587	METHOD OF PREVENTING CARDIOVASCULAR DISEASES BY ADMINISTERING ENGINEERED PROBIOTICS	United States	BUI, Thi Van Anh(BMS); PHAM, Quynh Hoa(BMS); BAN, Kiwon(BMS); LAU, Chi Kong Terrence(BMS)
1592	Personalized Electrophysiological Signal Detection and Electrical Stimulation Network	United States	ZHOU, Jingkun(BME); HUANG, Ya(BME); YU, Xinge(BME)
1594	Negative Reactance Synthesizer	United States	TSE, Chi Kong(EE); DING, Li*
1597	Targeting microtubule dynamics by Fmn2 silencing and metaxalone to promote functional recovery after nerve injuries	United States	AU, Ngan Pan(NS); MA, Chi Him Eddie(NS)
1598	Desing of (circular-polarizattion) ceramic patch antenna with low-profile and wideband for mobile device	United States	WONG, Hang(EE); SUN, Wenjian(EE)
1600	Integrated lithium niobate photonic millimeter-wave radar	United States	ZHU, Sha(SKMW); WANG, Cheng(EE); ZHANG, Yiwen(EE); PUN, Yue Bun Edwin(EE)
1606	DURABLE TRIBOELECTRIC NANOGENERATOR FABRICATED ON COILED HEAD OF ACUPUNCTURE NEEDLE THEREOF	United States	IQBAL, Saira(BME); HU, Jinlian(BME)
1611	A novel process to product mitochondrial extracellular vesicles	United States	PAN, Yilin*; LIU, Guopan(BMS); WANG, Ying(BMS); ZHANG, Liang(BMS)

DEPT CODE	NAME
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
DS	(DS) School of Data Science
E2	(E2) School of Energy and Environment
EE	(EE) Department of Electrical Engineering
EF	(EF) Department of Economics and Finance
IAS	(IAS) Hong Kong Institute for Advanced Study
ICTC	(ICTC) Information and Communication Technology Centre
IDS	(IDS) Hong Kong Institute for Data Science
IS	(IS) Department of Information Systems
LT	(LT) Department of Linguistics and Translation
MA	(MA) Department of Mathematics
MBE	(MBE) Department of Mechanical and Biomedical Engineering
MEEM	(MEEM) Department of Manufacturing Engineering and Engineering Management
MGT	(MGT) Department of Management
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

RSZ	(RSZ) Shenzhen Research Institute
SEEM	(SEEM) Department of Systems Engineering and Engineering Management
SI	(SI) College of Science
SKMP	(SKMP) State Key Laboratory of Marine Pollution (City University of Hong Kong)
SKMW	(SKMW) State Key Laboratory of Terahertz and Millimeter Waves (City University of Hong Kong)
SM	(SM) School of Creative Media
SS	(SS) Department of Social and Behavioural Sciences
TED	(TED) Talent and Education Development Office
VCS	(VCS) Department of Veterinary Clinical Sciences
VDL	(VDL) CityU Veterinary Diagnostic Laboratory Company Limited
VM	(VM) Jockey Club College of Veterinary Medicine and Life Sciences
*	Non-CityU

(updated in 11 Dec , 2023)