

<u>TTC Code</u>	<u>Title</u>	<u>Inventor</u>	<u>Patent Number / Publication Number</u>
<u>ICT Area (Hardware)</u>			
TTC.PA.581	Granted Image Based Tracking	Prof. Weichuan YU	9390514
TTC.PA.758	2D/3D Switchable Liquid Crystal Lens Unit	Prof. Hoi Sing KWOK	US 2015/331247 A1
TTC.PA.272S	Rewritable Optically Addressed Photoaligned Liquid Crystal Device for Display	Prof. Hoi Sing KWOK	5165228
TTC.PA.645	In-Microresonator Linear-Absorption-Based Real-Time Photocurrent-Monitoring and Tuning with Closed-Loop Control for Silicon Microresonators	Prof. Andrew POON	9134169
TTC.PA.927	2-/3-Phase Reconfigurable Switched-Capacitor Power Converter	Prof. Wing Hung KI	PCT/CN2017/075412
TTC.PA.0892&0922	Wireless Charger Receiver	Prof. Wing Hung KI	PCT/CN2016/100050
TTC.PA.404	Method and Apparatus for Energy Harvesting Using CMOS Sensor	Prof. Amine BERMAK	8629386
<u>ICT Area (Software)</u>			
TTC.PA.751	Robot-assisted wireless channel measurement platform	Prof. Vincent LAU	US 2015/0312774 A1
TTC.PA.914	Approximate join query processing in relational databases	Prof. Ke YI	N/A
TTC.PA.772	Mitigating Signal Noise for Fingerprint-Based Indoor Localization	Prof. Gary CHAN	15/316140
TTC.PA.481	Multi-Touch Finger Registration and Its Applications	Prof. Chiew Lan TAI	9104308
<u>Materials & Environmental Technologies</u>			
TTC.PA.0285	Synthesis and application of modified maghemite and jacobsite nanoparticles	Prof. Irene LO	US7622423
TTC.PA.0582	Highly Selective Magnetic Nanoparticles for Phosphate Removal and Recovery from Water and Wastewater	Prof. Irene LO	ZL201310049470.2
TTC.PA.0598	Converting E-waste into Adsorbents for Wastewater Treatment	Prof. John BARFORD	US 2016/0023202 A1
TTC.PA.0536	Soft Magnetic Composite Material	Prof. Chi Ming CHAN	US20150050178
TTC.PA.0879	CaS Solar-Blind UV Radiation Detector	Prof. Philip SOU	WO2017005188A1
TTC.PA.0881	Solid State Thermal Diode with Shape Memory Alloy	Prof. Christopher CHAO	WO2017008748A1
TTC.PA.0810	Materials for Moisture Removal and Water Harvesting from Air	Prof. King Lung YEUNG	WO 2016/058525 A1
TTC.PA.0220	Catalytic Material and Method of Production Thereof	Prof. King Lung YEUNG	7541012
TTC.PA.0268	Low Temperature Ammonia Remediation Catalysts	Prof. King Lung YEUNG	8242049
<u>Biotechnology & Healthcare</u>			
TTC.PA.0343	Method and System for Foot Shape Generation from Digital Images	Prof. Ravindra GOONETILLEKE	ZL200810131533.8
TTC.PA.0485	Myomegalin Variant 8	Prof. Robert QI	
TTC.PA.0564	Rhizoma Arisaematis Extracts and Uses Thereof for Wound-Healing Effects	Prof. Nancy IP	201280051048.4
TTC.PA.0883	Radio Frequency Electro-Thrombectomy Device	Prof. David LAM	N/A
TTC.PA.0885	Dynamic formation of nanochannels for single-molecule DNA analysis	Prof. Shuhuai YAO	N/A
TTC.PA.0786	High-Throughput Droplet Generator Based on High Aspect Ratio Induced Droplet Self-Breakup	Prof. Shuhuai YAO	
TTC.PA.0893,, 889, 884 & 871	AIE Luminogens for Visualization and Treatment of Cancer	Prof. Benzhong Tang	