

| Number | R&D Achievement Name   | Applicable Industry   | Contact Person     | Extension |
|--------|--|---|--------------------|-----------|
| H001   | Plasma-Deposited Nano Energy-Saving Films Technology   | Electronics & Optoelectronics / Advanced Manufacturing & Systems / Environment & Energy | Hsieh, Cheng-Chang | 7460,7313 |
| H002   | Roll-to-Roll Plasma Enhanced Physical Vapor Deposition Coating Platform                        | Advanced Manufacturing and Systems  | Hsieh, Cheng-Chang | 7460,7313 |
| H003   | Industrial Application of Plasma Surface Modification Technology                               | Electronics & Optoelectronics / Advanced manufacturing & Systems / Environment & Energy | Hsieh, Cheng-Chang | 7460,7313 |
| H004   | Plasma Melting, New Material Synthesis and Green Material Technology                           | Environment and Energy  | Yang,Sheng-Fu      | 7398,7564 |
| H005   | Plasma Assisted Gasification Technology for Power Generation and Liquefaction                  | Environment and Energy  | Shiaw-Huei Chen    | 7421      |
| H006   | High Power Impulse Magnetron Sputtering Technology   | Manufacturing & Systems and Environment & Energy Industry                               | Wu, Jin-Yu         | 7405,7440 |
| H007   | Roll-to-Roll Magnetron Sputtering ITO Film Mass Production Technology                          | Manufacturing & Systems and Environment & Energy Industry                               | 陳恩仕                | 7323,7440 |
| H008   | All-Solid-State Flexible Thin Film Energy-Saving Device  | Electronic and Optoelectronic/ Energy and Environment                                   | Wang,Min-Chuan     | 7325,7302 |
| H009   | Multi-Gas Mixer and Device for Supplying Gas Mixture to Plasma Torch                           | Advanced Manufacturing & Systems / Environment & Energy                                 | Tsai,Chun- Huang   | 7354      |
| H010   | Advanced Waste Heat Utilization Technology   | Renewable Energy, Environment and Energy, Energy Service, Industrial Energy Saving      | Huang, Tsair-Fuh   | 7426      |
| H011   | The Integration of the First Generation Thermally Driven Absorption Refrigerator and Heat Pipe | Refrigerator and Air Conditioning/ Energy Service/ or Other Energy Saving Industry      | Huang, Tsair-Fuh   | 7426      |

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| H012   | Plasma Process Technology for the Preparation of Large-Area of Electrochromic Metal-Oxide Electrodes | Smart control of electrochromic glass, anti-glare rearview mirrors, electrochromic displays, and cards for residential and automotive use               | Chen-Te Chang  | 7383      |
| H013   | Pneumatic Conveying Device for Fine Powder   | Industry of Plastics, Bioenergy, Petrochemical, Cement, Opto-Eletronics, Pharmaceutical, and Food   | Wen-Hua Chen   | 5115      |
| H014   | Manufacturing Technique for the Formation of Lead-carbon Interface                                   | Energy Storage Batteries and the Associated Industries  | Yi-ren Tzeng   | 6614      |
| H015   | Assessment and Implementation of Fault Diagnosis and Early Warning System for the Critical Asset     | Information and communication technology/electronics and optoelectronics/advanced manufacture and system/environment and energy/artificial intelligence | Sun,Shyh-Wern  | 6326      |
| H016   | INERFT: A fault tree analysis software package   | general industry  | KUO,TING-WEI   | 6127      |
| H017   | Quantitative method of functional groups on the surface of solid materials                           | biomedicine, materials, electronics   | Chen,Kuan-Yin  | 7102      |

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| H018   | Drying, dehumidification, cleaning and industrial and commercial environment quality control technology       | Drying and dehumidification industry, environmental quality maintenance and control industry, heating, ventilation and air conditioning industry | Chen, Chun-Liang | 7394      |
| H019   | Key process technologies for large-area anti-reflection and antibacterial films                               | Biomedical, nanomaterials, advanced manufacturing and systems  | Po-Wen Chen      | 7313      |
| H020   | Technologies for manufacturing polymer gel and solid-state electrolytes and their electrochemical components. | Energy Storage, Energy Saving  | Wang, Min-Chuan  | 7325      |
| H021   | An Operating State Deviation Mode Identification Diagnostic Software Module                                   | Information and Communications, Electronics and Photoelectric, Advanced Manufacturing and Systems, Environment and Energy Industries             | Lo, Huan-Chieh   | 6236      |
| H022   | An Online Predictive Diagnostic Software Module for Equipment in Operation                                    | Information and Communications, Electronics and Photoelectric, Advanced Manufacturing and Systems, Environment and Energy Industries             | Lo, Huan-Chieh   | 6236      |