E. Fuel Cell

Number	R&D Achievement Name	Applicable Industry	Executive Unit	Contact Person	Extension	Remarks
E001	Fuel Cell Measurement Apparatus	Advanced Manufacturing & Systems / Environment & Energy	Physics Division	Tsai,Chun-Huang	7354	
E002	Production of Metal Supported Solid Oxide Fuel Cell Using Plasma Spraying Technique	Energy, Aerospace, Biomedical, Chemical	Physics Division	Tsai,Chun-Huang	7354	
E003	Plasma Sprayed Metal Supported Solid Oxide Fuel Cell and Method for Manufacturing the Same	Energy, Aerospace, Biomedical, Chemical	Physics Division	Tsai,Chun-Huang	7354	
E004	Growing Method of Layers for Protecting Metal Interconnects of Solid Oxide Fuel Cells	Energy, Aerospace, Biomedical, Chemical	Physics Division	Tsai,Chun-Huang	7354	
E005	Preparation Method of Platinum Alloy Catalyst by Using Carbon Nanotube as Carrier	Chemical Industry	Chemistry Division	Ning-Yih Hsu	5501	
E006	Fuel Cell Catalytic Module	Chemical Industry	Chemistry Division	Ning-Yih Hsu	5501	
E007	Method of Fabricating Fuel Reforming Catalyst for SOFC Power Generating System	Chemical Industry	Chemistry Division	Ning-Yih Hsu	5501	
E008	Apparatus for Testing Catalyst	Chemical Industry	Chemistry Division	Ning-Yih Hsu	5501	
E009	Gas Reaction Devices	Chemical Industry	Chemistry Division	Ning-Yih Hsu	5501	

E. Fuel Cell

Number	R&D Achievement Name	Applicable Industry	Executive Unit	Contact Person	Extension	Remarks
E010	Preparation of Platinum Alloy Catalyst with Nano-network Structure	Chemical Industry	Chemistry Division	Sian-Du Chyou	5311	
E011/G001	Research of Core Technology for Flow Battery Industrialization	Environment and Energy、Chemical and Nano Materials	Chemistry Division	Hwa-Jou Wei	5376	
E012	Method of Fabricating Catalyst Carrier for Generating Hydrogen through Methane Reformation	Chemical Industry， Fuel Cell Industry	Chemistry Division	Men-Han Huang	5324	
E013	Reactor with Honeycomb Catalyst for Fuel Reformation	Chemical Industry， Fuel Cell Industry	Chemistry Division	Men-Han Huang	5324	
E014	A Novel Synergistic Process and Recipe for Fabrication of a High Integrity Membrane Electrode Assembly of Solid Oxide Fuel Cell	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E015	Process and Apparatus of CO_2 Energy Source Adopted in Solid Oxide Fuel Cell	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E016	A Process for Fabrication of a Fully Dense Electrolyte Layer Embedded in Membrane Electrolyte Assembly of Solid Oxide Fuel Cell	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	

E. Fuel Cell

Number	R&D Achievement Name	Applicable Industry	Executive Unit	Contact Person	Extension	Remarks
E017	A Novel Process for Fabrication of a Sputter Deposited Fully Dense Electrolyte Layer Embedded in a High Performance Membrane Electrolyte Assembly of Solid Oxide Fuel Cell	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E018	The Innovation Process for Anode Treatment of Solid Oxide Fuel Cell - Membrane Electrode Assembly (SOFC-MEA) to Upgrade the Power Density in Performance Test	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E019	Formulation of Nano-scale Electrolyte Suspensions and its Application Process for Fabrication of Solid Oxide Fuel Cell-membrane Electrode Assembly (SOFC-MEA)	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E020	Process to Produce Fine Ceramic Powder through a Chemical Reactor with Powder Collection Device	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E021	Measurement Process for Determination of the Optimum Contact Pressure among Components of a Solid Oxide Fuel Cell Stack in the Packaging Process and its Measurement Apparatus	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E022	Innovation Control Process for Specific Porosity/Gas Permeability of Electrode Layers of SOFC-MEA through Combination of Sintering and Pore	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	

E. Fuel Cell

Number	R&D Achievement Name	Applicable Industry	Executive Unit	Contact Person	Extension	Remarks
	Former Scheme and Technology					
E023	A Current Collection Apparatus and Method of Processing for a Solid Oxide Fuel Cell	Environmental and Energy Industry, Fuel Cell Industry, Fine Ceramics Industry	Nuclear Fuels and Materials Division	Tai-Nan Lin	6834	
E024	High-temperature Fuel Cells Sealing	Fuel Cells Sealing, Electronic Packaging, Electronic Ceramics	Nuclear Fuels and Materials Division	Liu, Chien-Kuo	6775	
E025	Glass Sealing Material Composition and Sealing Method	Fuel Cells Sealing, Electronic Packaging, Electronic Ceramics	Nuclear Fuels and Materials Division	Liu, Chien-Kuo	6775	
E026	Integrated Design of Burner, Reformer and Heat Exchangers for the Solid Oxide Fuel Cell.	Energy Industry, Petrochemical Industry and Matel Manufacturing Industry	Nuclear Fuels and Materials Division	Wen-Tang Hong	6774	
E027	Solid Oxide Fuel Cell System Technology	Energy Industry, Petrochemical Industry and Matel Manufacturing Industry	Nuclear Fuels and Materials Division	Ruey-Yi Lee	6761	
E028	Solid Oxide Fuel Cell (SOFC) Stack Technology	Energy Industry, Petrochemical Industry and Matel Manufacturing Industry	Nuclear Fuels and Materials Division	Yung-Neng Cheng	6762	
E029	Method for Measuring Metallic Area-specific Resistance	Solid Oxide Fuel Cell	Nuclear Fuels and Materials Division	Wei-Ja Shong	6763	
E030	Compound Energy Storage Systems Technology and Application	Environment and Energy、Chemical and Nano Materials	Chemistry Division	Hsieh, Chin-Lung	6388	