

**Centre for Innovation, Incubation and Entrepreneurship (CIIE)**  
***Indian Institute of Technology (Indian School of Mines), Dhanbad***

Publication Number	Title	Assignee/Applicant	Inventor	Year
201731017005	Low Power ,portable smart device for real time monitoring of mine environment and methods thereof	IIT(ISM)	Dr. Tanmoy Maity, Mayank Sharma	2017
201731004136	Friction Stir welding joint sample machining apparatus & method	IIT(ISM)	Dr. Ratnesh Kumar, Dr. Somnath Chattopadhyay	2017
201731023466	A high frequency virtual reactor in Power system with dispersed generators to control fault current and method of Operation.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM)	2017
201731025244	A system of photovoltaic integrated solar induction heating and solar thermal heating using high frequency full bridge series resonant inverter under VSI (Voltage Source Inverter) mode and method for the same.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM)	2017
201731025438	A hybrid Particulate matter (CM) emission control device having electrostatic precipitator and high frequency induction heating coil for diesel engine and method for the same.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM)	2017
201731028010	A system of Photovoltaic Integrated Solar Induction heating using high frequency full bridge series resonant Inverter under CSI (Current Source Inverter) mode and solar thermal heating and method for the same.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM).	2017

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201731030886	"Model-Predictive-Current-Control For Speed Regulation Of Brushless Doubly-Fed Reluctance Generator"	IIT(ISM)	Dr. Sukanta Das, Deptt. of Electrical Engg, IIT(ISM).	2017
201731033087	A system of Photovoltaic Integrated Solar Induction heating and solar thermal heating using High Frequency Full Bridge Series Resonant Inverter under ZSI (Z-Impedance Source Inverter) Mode for Load Impedance Matching and method for the same	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM).	2017
201731038017	A Flocculant for the reduction of Pollutant content from mine process water	IIT(ISM)	Dr. Sagar Pal, Deptt. of Applied Chemistry	2017
201731034927	Solar based hybrid heating system and method with variable load conditions for low-wattage metallic appliances	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM).	2017
201731035228	Solar based hybrid heating system and method with constant load conditions for low-wattage metallic appliances	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM).	2017
201731035534	Solar based hybrid heating system and method with automatic load impedance matching for low-wattage metallic appliances	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM).	2017

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201731041025	Combined Solar and thermal system and method for heating metallic appliances under constant load conditions.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Pipul Roy, Pratik Biswas, Pritish Ghosh, Sarat Kumar Panda	2017
201731041196	Solar modules based heating system and method using mirrored current under impedance matched conditions.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Apoorva, Prasenjit Das, Deepak Dash, Bidyadhar Subudhi, Pratik Biswas	2017
201731040937	A Photovoltaic integrated system and method for heating metallic appliances under variable load conditions.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Anand Kumar, Shivprakash Bihari, Debabrata Roy, Tapas Roy, Arijit Chakrabarti	2017
201731040764	Solar Induction heating system using high frequency modified half bridge series resonant inverter under ZSI mode.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM)., Rahul Raman, Chayan Chakraborty, Palash Pal, Bidrohi Bhattacharjee, Swapan Kumar Bakshi	2017
201731040658	Solar Induction heating system using high frequency hybrid resonant inverter under VSI Mode.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Paromita Sadhu, Achintya Goswami, Sarat Kumar Panda, Avik Datta, Ananyo Bhattacharya	2017
201731040411	Solar Induction heating system using high frequency hybrid resonant inverter under CSI Mode.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Suman Kumar Laha, MD. Tabrez, Atif Iqbal, Ankur Ganguly, Ashok Kumar Naskar	2017
201731040664	Solar Induction heating system using high frequency hybrid resonant inverter under ZSI Mode.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Dr. Nitai Pal, Dr. Niladri Das, Pipul Roy, Aniruddha Bhattacharjee, Avijit Chakraborty	2017

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201731040675	Solar Induction heating system using high frequency modified half bridge series resonant inverter under CSI mode.	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Soham Dutta, Tamalika Panda, Paromita Sadhu, Palash Pal, Chayan Chakraborty	2017
201731040782	Solar Induction heating system using high frequency modified half bridge series resonant inverter under VSI Mode	IIT(ISM)	Prof. (Dr.) Pradip Kumar Sadhu, Deptt. of Electrical Engg, IIT(ISM), Dr. Niladri Das, Parthabrata Choudhury, Moumita sadhu, Suprava Chakraborty, Soumya Das	2017
201731047389	An arrangement for replacement of bypass diode by relay in a solar photovoltaic system.	IIT(ISM)	Dr. Tanmoy Maity, MME/IIT(ISM), Dr. Yogesh Kumar Chauhan, Deptt. of EE, GBZU, Greater Noida, Mr. Ankur Kumar Gupta, MME/IIT(ISM)	2017

**\*\*URL- <http://ipindiaservices.gov.in/PublicSearch/PublicationSearch/ApplicationStatus>**