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**Patent Filed/ Published/ Granted**

- [1] Title: “Model-Predictive-Current-Control for Speed Regulation of Brushless Doubly-Fed Reluctance Generator”  
Inventors: Sukanta Das, and Karuna Kiran  
Indian Patent Application No. 201731030886, dated 31.08.2017.  
Date of Filing: August 31, 2017.  
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Patent Number: 527930. [Click here to view Patent Certificate](#)
- [2] Title: “Low-Cost 10 kVA Intelligent-Power-Module Based Inverter for AC Machines”  
Patentee: CIIE, IIT(ISM) Dhanbad.  
Inventors: Sukanta Das, Abhisek Pal, and U. Sarkar  
Indian Patent Application No. 202131000212.  
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Patent Number: 484624. [Click here to view Patent Certificate](#)

- [3] Title: “A System for Volt/Hertz Speed Control of Squirrel Cage Induction Motor for Minimum Current Operation”

Inventors: Goutam Goswami, and Sukanta Das

Indian Patent Application No. 202331002547.

Date of Filing: January 12, 2023.

Date of Publication: June 23, 2023.

- [4] Title: “Multi-Phase Synchronous Buck Converter for the Charging Stage of an Offboard Electric Vehicle Charger”

Inventors: Amit Kumar, A. Ghoshal, and Sukanta Das

Indian Patent Application No. 202331074730.

Date of Filing: November 02, 2023.

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