

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311018334 A

(19) INDIA

(22) Date of filing of Application :17/03/2023

(43) Publication Date : 12/05/2023

(54) Title of the invention : A SECURED PASSWORD-BASED CIRCUIT BREAKER SYSTEM USING GSM TECHNOLOGY AND A METHOD THEREOF

<p>(51) International classification :C09K 089000, H04B 072600, H04L 090800, H04W 120600, H04W 840400</p> <p>(86) International Application No :PCT//</p> <p>Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA</p> <p>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA</p> <p>Filing Date :NA</p>	<p>(71)Name of Applicant : 1)SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN Address of Applicant :RAMNAGARIA, JAGATPURA, JAIPUR – 302017, RAJASTHAN, INDIA Jaipur ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Ankush Tandon Address of Applicant :Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 2)Pooja Jain Address of Applicant :Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 3)Sarfaraz Nawaz Address of Applicant :Associate Professor, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 4)Anshuman Address of Applicant :Student, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 5)Arun Prajapati Address of Applicant :Student, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 6)Archana Jha Address of Applicant :Student, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur ----- 7)Anurag Singhal Address of Applicant :Student, Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017, Rajasthan, India Jaipur -----</p>
--	--

(57) Abstract :
The present invention provides a password-based circuit breaker system which comprises of a microcontroller for controlling the function of the said system; a GSM module for remote access to the said system; a relay driver for controlling the function of the relay; a password input device; a microcontroller board; electric bulbs module; an electric switch; a user device; and a power supply unit; wherein the said power supply unit provides the required voltage and current to the different electrical components of the said system. The system provides an efficient way for remotely controlling and monitoring the electrical power systems or equipment. The system also allows the user to remotely change the password of the electrical systems.

No. of Pages : 14 No. of Claims : 10