

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311060126 A

(19) INDIA

(22) Date of filing of Application :07/09/2023

(43) Publication Date : 06/10/2023

(54) Title of the invention : A SYSTEM AND METHOD FOR MONITORING ENERGY USAGE PATTERNS IN REAL-TIME

(51) International classification :G06Q0050060000, G07C0005080000, H04L0043087600, H04W0024080000, H02J0007000000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)Name of Applicant :
1)Chitkara University
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----
2)Bluest Mettle Solutions Private Limited
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)MISHRA, Rahul
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----
2)PANDEY, Sakshi
Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----
3)MANTRI, Archana
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

Embodiments of the present disclosure relates to a system (100) and method (300) for monitoring energy usage patterns in real-time. In an aspect, the present disclosure discloses a system (102) for monitoring energy usage patterns in real-time to analyse the performance, efficiency, and maintenance needs of various electrical energy systems. The system (102) comprises a processor (202) coupled to a memory (204). The memory (204) stores processor-executable instructions. The processor (202) is configured to collect energy usage data from a plurality of sources. Further, the processor (202) is configured to analyse the collected energy usage data. Next, the processor (202) is configured to identify anomalies in the analysed energy usage data. In the end, the processor (202) is configured to monitor the energy usage patterns based on the identified anomalies.

No. of Pages : 27 No. of Claims : 10