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Patent Search

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Abstract:

029] This invention presents a Novel System for Home Energy Monitoring and Theft Prevention using Internet of Things (IoT). The present invention comprising of col time data related to energy consumption and the performance of electrical devices in a home environment using IoT-enabled sensors, transmitting the collected data hub for data aggregation and analysis, analysing the data to detect irregular energy consumption patterns and unauthorized access and initiating theft prevention m alerting users through a user interface based on the analysis. Accompanied Drawing [FIG. 1-2]

Complete Specification

Description:[001] The invention, in general, relates to the technology field of internet of things (IoT) systems and methods. More specifically, the present invention r a Novel System for Home Energy Monitoring and Theft Prevention using Internet of Things (IoT).

BACKGROUND OF THE INVENTION

[002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the informati provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[003] As the world grapples with environmental challenges and the ever-growing demand for electricity, the importance of energy conservation cannot be overstate Households, being significant energy consumers, have a pivotal role to play in minimizing energy wastage. In an era where energy conservation and theft preventio become paramount concerns, the fusion of modern technology and the Internet of Things (IoT) offers a novel solution.

[004] Energy theft, both intentional and unintentional, poses a considerable challenge to utility companies and households alike. Unauthorized access to electricity, tampering with meters, and various forms of electricity pilferage led to financial losses and endanger electrical systems. This provides insight into the significance a rationale for the development of a state-of-the-art system for home energy monitoring and theft prevention through IoT integration.

[005] Accordingly, on the basis of aforesaid facts, there remains a need in the prior art to provide a Novel System for Home Energy Monitoring and Theft Prevention Internet of Things (IoT). Therefore, it would be useful and desirable to have a system, method, apparatus, and interface to meet the above-mentioned needs.

SUMMARY OF THE PRESENT INVENTION

[006] In view of the foregoing disadvantages inherent in the known types of conventional methods and techniques, are now present in the prior art, the present inv

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