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Patent Search

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Abstract:

The proposed system for controlling and managing plurality of electric appliances in a home automation network based on information associated with a weather event. (more sensors deployed to detect a current working status of the plurality of electric appliance. One or more control apparatus/unit arranged to functionally control the plu electric appliances. Similarly, a transceiver transmits the one or more detected information by one or more sensors vis-à-vis plurality of electrical appliance, to the cloud se The cloud server is inclusive of determining/storing a home automation rule based on the identified/ acquired information associated with outdoor weather event, where home automation rule includes an operational setting parameter for each of the electric appliance, and instructing the control apparatus/unit based on the determined hc automation rule via a home automation network.

Complete Specification

The present invention related to control and management of a plurality of installed electrical appliances. More specifically, the present invention relates to the home automation system based on the tracking and assessment of a weather event and the working status of electric appliances.

Background

[0002] The background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0003] Consumers experiment with different ways of reducing household energy usage. For example, consumers may turn off air conditioning during certain parts of the day, run certain appliances only during the early morning hours, and replace large inefficient appliances with smaller energy efficient ones. Additionally, consumers may use measuring devices to calculate the energy usage rate of a particular device. Then, depending upon the measured energy usage, a consumer may decide to turn the device ON and OFF to adjust the home's overall energy usage.

[0004] With the wide-spread use of computers and mobile devices has come an increased presence of home automation and security products. Advancements in mobile devices allow users to monitor and/or control an aspect of a home or business. As home automation and security products expand to encompass other systems and functionality in the home, challenges exist in accounting for and responding to environmental conditions such as weather.

[0005] There exist limitations while managing the appliances, based on varied weather/environmental conditions. Certain environmental conditions are typically well suited for specific appliance, whereas other conditions are more favourable for other set of appliances.

[0006] Therefore, in light of the detailed analysis of the aforementioned facts, a system henceforth is proposed to control and manage one or more appliances arranged

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