Patent Search

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Abstract:

Deep Learning Approaches for Energy Consumption Forecasting and Management Systems in Smart Homes is the proposed invention. The proposed invention focuses or understanding the functions of Energy Consumption Forecasting. The invention focuses on analyzing the parameters of Management Systems in Smart Homes using algo of Deep Learning.

Complete Specification

Description:[0001] 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.
[0002] Deep learning is a subset of machine learning that uses artificial neural networks to learn from large amounts of data and process data in a way inspired by the human brain. Deep learning models can recognize patterns in text, pictures, sounds, and other data to make predictions and insights. Deep learning methods can be supervised, semi-supervised, or unsupervised. Deep learning has many applications including Customer service, Healthcare and Alzheimer's disease.
[0003] A number of different types of energy management systems that are known in the prior art. For example, the following patents are provided for their supportiv teachings and are all incorporated by reference.
[0004] US6178362B1: An energy and facilities management system and method is provided for energy users with large physical plants which provides these energy us with a comprehensive understanding of the energy consumption of their physical plant and with the ability to manage it in a way that makes sense for their business. Th system may include three dimensional facilities navigation tools, powerfill energy consumption analysis processes, TCP/IP communication capabilities and a World Wide Web (WWW)-based interface. The system also includes a real-time data retrieval and dissemination process and system which permits real-time energy data to be communicated within the system.
[0005] A smart home is a home that uses internet-connected devices to remotely manage and monitor systems and appliances. Smart homes can be set up using eith wireless or hardwired systems. Smart homes are becoming popular because they offer convenience and money-saving benefits. Smart home technology uses computer technology, control technology, image display technology, and communication technology to connect various facilities through the network. The proposed invention focu

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