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(54) Title of the invention : AN ARTIFICIAL INTELLIGENCE BASED METHOD FOR SMART ENERGY OPTIMIZATION FOR MASSIVE INTERNET OF THINGS

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(57) Abstract :

The present invention relates to energy optimization for massive IoT devices through the integration of artificial intelligence. With billions of such devices operating constantly and transmitting and receiving data, there was a need to develop a model that can organize and control the energy consumption by these devices. The hardware aspects of energy consumption have been divided into four major parts. The models for each part were developed that can be used for evaluating the overall energy consumption. The software aspect of energy consumption introduces the multi-agent distributed intelligent system controlled under genetic algorithm. For an efficient energy management system of IoT device, the modelling and controlling is very necessary, else, unmanaged IoT devices will be an enormous burden on electric grids.

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