Mobile communication base station energy method

Energy-saving control strategy for ultra-dense network base Aiming at the problem of mobile data traffic surge in 5G networks, this paper proposes an effective solution combining massive multiple-input multiple-output techniques Algorithms for uninterrupted power supply to mobile In this article, an algorithm for automatic control of energy sources was developed to improve the uninterrupted power supply of mobile communication base stations. Based on the proposed Energy Consumption Optimization in Mobile Communication troduce the system model for the wireless communication network. A mixed-integer nonlinear programming (MINLP) approach to minimize the network's energy consumption is introduced Multi-objective cooperative optimization of communication base To address the above problems, this paper proposes a multi-objective interval optimization scheduling method that utilizes the operational flexibility of 5G communication Optimization Control Strategy for Base Stations Based on Therefore, in response to the impact of communication load rate on the load of 5G base stations, this paper proposes a base station energy storage auxiliary power grid peak shaving method Base Station Switch off Methods for Mobile Communication In this work, we developed static and dynamic base station switch-off methods to minimize energy consumption during low-traffic conditions. Using these base-station switch-off methods, we are WO//211244 METHOD AND DEVICE FOR REDUCING The present disclosure relates to a 5G or 6G communication system for supporting a higher data transmission rate. In addition, the present disclosure provides a method and a 4G communication base station energy method Analysis of energy efficiency of small cell base station in 4G/5G Base Stations (BSs) sleeping strategy is an efficient way to obtain the energy efficiency of cellular networks. Development of the Method and Algorithm of Supplying the In this paper a general framework is introduced for the optimization of communication systems in which the transmitter is able to harvest energy from its environment. Energy-efficiency schemes for base stations in 5G heterogeneous In today's 5G era, the energy efficiency (EE) of cellular base stations is crucial for sustainable communication. Recognizing this, Mobile Network Operators are actively prioritizing EE for Energy-saving control strategy for ultra-dense network base stations Aiming at the problem of mobile data traffic surge in 5G networks, this paper proposes an effective solution combining massive multiple-input multiple-output techniques Multi-objective cooperative optimization of communication base station To address the above problems, this paper proposes a multi-objective interval optimization scheduling method that utilizes the operational flexibility of 5G communication Optimization Control Strategy for Base Stations Based on Communication Therefore, in response to the impact of communication load rate on the load of 5G base stations, this paper proposes a base station energy storage auxiliary power grid peak shaving method WO//211244 METHOD AND DEVICE FOR REDUCING BASE STATION ENERGY The present disclosure relates to a 5G or 6G communication system for supporting a higher data transmission rate. In addition, the present disclosure provides a method and a Development of the Method and Algorithm of Supplying the Mobile In this paper a general framework is introduced for the optimization of communication systems in which the transmitter is able to harvest energy

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