

Title: Communication base station power control method

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To reduce the extra power consumption due to frequent sleep mode switching of base stations, a sleep mode switching decision algorithm is proposed. The algorithm reduces unnecessary ...

This invention is to prevent deterioration in communication quality of closed loop transmission power control, which may occur when the change in transmission power cannot keep up with a...

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 based on ...

To further explore the energy-saving potential of 5 G base stations, this paper proposes an energy-saving operation model for 5 G base stations that incorporates communication caching and ...

This device is designed to automatically control multiple power sources of a mobile communications base station. This device can automatically control energy supply sources such as local power grids, ...

To enhance system efficiency and establish green wireless communication systems, this paper investigates base station sleeping and power allocation strategy based on deep reinforcement ...

This algorithm divides the vast number of ground base stations into zones and virtualizes the base stations within each zone into a virtual macro base station, allowing for power control of this ...

A power control method of a base station in a wireless communication system based on Orthogonal Frequency Division Multiple Access (OFDMA) is provided for reducing power consumption by...

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