Abstract

This disclosure discloses a battery charge/swap monitoring system and method based on the internet of things. The system comprises a terminal information collecting device, a battery charge/swap station monitoring device, and a regional monitoring device. The terminal information collecting device carries out identity identification, state information collection and dynamic orientation on a terminal device by using an information sensing mode, transmits the identity identification information to the battery charge/swap station monitoring device through a wired network, and transmits the state information and orientation information to the regional monitoring device through a wireless network. The battery charge/swap station monitoring device receives the identity identification information of the terminal device, monitors an operating state of a battery charge/swap station, carries out metering and billing on a battery charge/swap process, and transmits the state information, the metering and billing information and the identity identification information of the terminal device to the regional monitoring device. The regional monitoring device monitors the terminal devices and the battery charge/swap stations in its jurisdiction area, and takes statistics on the metering and billing information. Thus, effective monitoring and management of a terminal device and a battery charge/swap station can be realized.