

ABSTRACT

The invention relates to a thermal control method for a wireless power transmission apparatus 1 configured to supply power, by changing a magnetic field, from a power-supplying module 2 to a power-receiving module 3 connected to a power-supplied device 10 including a lithium ion secondary battery 9 rechargeable using a constant current/constant voltage charging system. Heat generation in the wireless power transmission apparatus is controlled by adjusting a load change characteristic, which is represented by an amount of change in a value of input impedance Z_{in} of the wireless power transmission apparatus 1 for a predetermined period of charging time in constant voltage charging, by adjusting a value of a coupling coefficient between coils each included in the power-supplying module 2 or the power-receiving module 3.