

ABSTRACT

In order to adjust the load fluctuation response of an input impedance (Z_{in}) (i.e., a change in the value of an input impedance in a wireless power transmission device relative to the unit variation of a load impedance (Z_l) of a device to be supplied with power) in a wireless power transmission device (1) wherein a magnetic field is altered to supply power from a power supply module (2) to a power-receiving module (3) to which devices to be supplied with power (i.e., a stabilizing circuit (7), a charging circuit (8) and a lithium-ion secondary battery (9)) are connected, the value of a coupling coefficient (k_{12}) between a power supply coil (21) and a power supply resonator (22), and the value of a coupling coefficient (k_{34}) between a power-receiving resonator (32) and a power-receiving coil (31) are each adjusted.