

Abstract

A power-supplying module and a power-supplying method for the power-supplying module, by which power consumption of the power-supplying module is reduced without providing an additional device, when the power-supplying module and a power-receiving module are not in a power-suppliable region (i.e., in a standby state) are provided.

A power-supplying module 2 which is connected with a AC power source 6 and supplies power to a power-receiving module 3 by utilizing a resonance phenomenon is driven at a power-source frequency in which an input impedance Z_{in} of the power-supplying module 2 in a standby state is higher than an input impedance Z_{in} of the power-supplying module 2 and the power-receiving module 3 in a power-supplying state.