

ABSTRACT

A power supply system 100 according to the present invention includes, as shown in Fig. 2, a power supply device 1 that includes an antenna coil 113 having a predetermined directivity and an display function unit 12 on a device mounting surface and performs wireless communication processing and a portable telephone 2a that includes an antenna coil 211 having a predetermined directivity, has terminal information used for achieving matching between antennas and used for achieving matching for the antenna coil 211 with respect to the antenna coil 113, and performs wireless communication processing. The power supply device 1 receives the terminal information from the portable telephone 2a and displays an outer-shape image Pa of the portable telephone 2a on the display function unit 12 in accordance with this terminal information. Matching can be optimally achieved between wireless processing points of two wireless electronic devices. Moreover, a predetermined power can be supplied from one wireless electronic device to another wireless electronic device or desired communication processing can be executed between two wireless electronic devices.