

Abstract

A wireless power transmission apparatus which is charged in a short charging time and prevents the shortening of the life of a secondary battery is provided.

A wireless power transmission apparatus 1 includes a current-voltage detector 4 configured to measure an input impedance Z_{in} of the wireless power transmission apparatus 1 including the power-supplied device 10 and a control device 5 configured to determine whether a constant current charging period (CC) is finished by utilizing a change in the input impedance Z_{in} measured by the current-voltage detector 4 and terminate the charging of the lithium ion secondary battery 9 when it is determined that the constant current charging period (CC) is finished.