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DEVICE AND OPERATION METHOD
THEREOF**

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(57) **ABSTRACT**

A wireless power transmission device includes a transmission device and a control device. The control device generates a driving signal to the transmission device in a first soft-start period, so as to drive the transmission device. The control device senses the current of the transmission device to obtain a current message, and determines whether a foreign object exists according the current message. When determining that the foreign object exists, the control device does not generate a carrier signal. When determining that the foreign object does not exist, the control device generates a carrier signal in a transmission period, and the carrier signal is output through the transmission device.

