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(54) **INDUCTION HEATING APPARATUS AND  
CONTROL METHOD OF THE SAME**

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**ABSTRACT**

An induction heating apparatus includes a plate including a plurality of cooking areas, a plurality of working coils arranged below the plate to correspond to the plurality of cooking areas, respectively, a plurality of coil switches connected to the plurality of working coils, respectively, a first inverter circuit connected to one end of a first coil switch and one end of a second coil switch among the plurality of coil switches, a second inverter circuit connected to one end of a third coil switch and one end of a fourth coil switch among the plurality of coil switches, and a branch switch connected to an other end of the second coil switch and to an other end of the third coil switch.

