

Title (en)
AN INDUCTION HEATING COOKER

Title (de)
INDUKTIONSHERD

Title (fr)
CUISEUR À INDUCTION

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Application
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Abstract (en)
[origin: WO2013064329A1] The present invention relates to an induction heating cooker (1) comprising a bridge rectifier (3) that converts the alternative current to direct current, a DC-line inductor (4) and a DC-line capacitor (5) disposed at the output of the bridge rectifier (3), a parallel resonant circuit (8) having an induction coil (6) and a resonant capacitor (7) connected in parallel to the induction coil (6), a power switch (9) having an IGBT (Insulated Gate Bipolar Transistor) and a freewheel diode (D) connected in parallel to the IGBT, which changes to the conducting state in the closed position and provides the resonant capacitor (7) to be charged, providing the delivery of the energy stored in the resonant capacitor (7) to the vessel (K) by means of the induction coil (6) in the open position, and wherein the current passing through the power switch (9) can be detected in the open and closed positions of the power switch (9).

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