

Title (en)

INDUCTION HEATING DEVICE AND CORRESPONDING OPERATING AND POT DETECTION METHOD

Title (de)

INDUKTIONSHHEIZEINRICHTUNG UND ZUGEHÖRIGES BETRIEBS- UND TOPFERKENNUNGSVERFAHREN

Title (fr)

SYSTEME DE CHAUFFAGE PAR INDUCTION ET PROCEDE D'UTILISATION ET D'IDENTIFICATION DE RECIPIENT ASSOCIE

Publication

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Application

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Abstract (en)

[origin: WO2007042317A2] The invention relates to a method for operating an induction heating device, to a pot detection method for an induction heating device and to an induction heating device. The method for operating the induction heating device is characterized by determining a low point of a resonant cycle on a linking node (N1) of a parallel resonant circuit and a switching element (24), determining a low point voltage at the low point of the resonant cycle and switching on the switching element (24) at the low point of the resonant cycle for a cycle duration that is determined depending on the low point voltage in such a manner that a low point voltage does not exceed a predetermined maximum value in the following resonant cycles.

IPC 8 full level

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