

Title (en)

CONTROL SYSTEM, INDUCTION COOKER AND METHOD

Title (de)

STEUERUNGSSYSTEM, INDUKTIONSKOCHER UND VERFAHREN

Title (fr)

SYSTÈME DE COMMANDE, APPAREIL DE CUISSON À INDUCTION ET PROCÉDÉ

Publication

EP 3448117 A1 20190227 (EN)

Application

EP 17187545 A 20170823

Priority

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Abstract (en)

The present invention provides a control system (100) for an induction cooker (150, 250), the control system (100) comprising a current sensor (101, 201) configured to sense the current through a resonant induction circuit (152, 252) of a hob (151, 251, 400) of the induction cooker (150, 250), a control unit (102, 202) coupled to the current sensor (101, 201) and configured to determine an average current (103) through the resonant induction circuit (152, 252) during a startup phase of the resonant induction circuit (152, 252) and configured to determine the size (104) of a cooking vessel (153, 253, 401, 402, 403) on the hob (151, 251, 400) based on the determined average current (103), and a driving unit (105, 205) coupled to the resonant induction circuit (152, 252) and the control unit (102, 202) and configured to drive the resonant induction circuit (152, 252) with a predetermined power level during the startup phase and with a power level based on the determined size (104) of the cooking vessel (153, 253, 401, 402, 403) during normal operation of the resonant induction circuit (152, 252).

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/062 (2013.01); **H05B 2213/05** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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