

Title (en)

CONTROL DEVICE, CONTROL METHOD, AND INDUCTION COOKER

Title (de)

STEUERUNGSVORRICHTUNG, STEUERUNGSVERFAHREN UND INDUKTIONSKOCHER

Title (fr)

DISPOSITIF DE COMMANDE, PROCÉDÉ DE COMMANDE ET APPAREIL DE CUISSON À INDUCTION

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Application

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Priority

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Abstract (en)

[origin: EP3291641A1] The present invention provides a control device (1) for an induction cooker (2, 20), the control device (1) comprising a driving circuit (4, 26) configured to controllably drive an induction coil (6) of the induction cooker (2, 20), a controller (7, 27) coupled to the driving circuit (4, 26) and configured to control the driving circuit (4, 26) with a control signal (8, 28) to drive the induction coil (6) with a power signal (5) of a configurable operating frequency, which is higher than a first initial threshold value and lower than a second initial threshold value, and a first measurement device (9, 29) configured to measure a feedback signal (10, 30, 56) at the induction coil (6) and provide the measured feedback signal (10, 30, 56) to the controller (7, 27). The controller (7, 27) is configured to adapt the first threshold value (40, 41) and the second threshold value (42, 43) based on the feedback signal (10, 30, 56), which is measured in a predetermined time period (50) after application of the power signal (5). The present invention further provides a respective method and an induction cooker.

IPC 8 full level

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