

Title (en)

POWER INTERLOCKING METHOD AND INDUCTION COOKER

Title (de)

STROMVERRIEGELUNGSVERFAHREN UND INDUKTIONSKOCHER

Title (fr)

PROCÉDÉ DE VERROUILLAGE ÉLECTRIQUE ET CUISEUR À INDUCTION

Publication

EP 4366467 A1 20240508 (EN)

Application

EP 23207314 A 20231101

Priority

CN 202211360835 A 20221102

Abstract (en)

The embodiments of the present disclosure provide a power interlocking method and an induction cooker. The induction cooker includes multiple heating zones. The method includes: obtaining a preset maximum power of each of the heating zones; obtaining a preset maximum total power of the multiple heating zones; adjusting a current power of a heating zone in working state to enable the current power of the heating zone in working state to be less than or equal to the maximum power and enable a sum of the current powers of the multiple heating zones in working state to be less than or equal to the maximum total power. In this way, the induction cooker can perform stable and continuous heating and will not enter an IGBT high-temperature protection mode at high voltage, improving the experiences of the users.

IPC 8 full level

H05B 6/06 (2006.01)

CPC (source: EP)

H05B 6/065 (2013.01)

Citation (search report)

- [XYI] KR 101919893 B1 20190208
- [XYI] EP 2355617 A2 20110810 - SAMSUNG ELECTRONICS CO LTD [KR]
- [Y] CN 107787059 A 20180309 - GREE ELECTRIC APPLIANCES INC ZHUHAI
- [A] EP 3582587 A1 20191218 - ELECTROLUX APPLIANCES AB [SE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA

Designated validation state (EPC)

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DOCDB simple family (publication)

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