

Title (en)

METHOD FOR OPERATING AN INDUCTION COOKING HOB

Title (de)

VERFAHREN ZUM BETRIEB EINES INDUKTIONSKOCHFELDS

Title (fr)

PROCEDE DE FONCTIONNEMENT D'UNE PLAQUE DE CUISSON A INDUCTION

Publication

**EP 3177107 B1 20240124 (DE)**

Application

**EP 15197633 A 20151202**

Priority

EP 15197633 A 20151202

Abstract (en)

[origin: US2017164427A1] In a method for operating an induction hob including a controller and including a cooking point including an induction heating coil, a relationship between a cooking vessel temperature and a heating power of the induction heating coil is stored in the controller as area power which results in a constant cooking vessel temperature during long-term operation. By monitoring whether the cooking vessel temperature remains constant, increases or drops when a first relatively low heating power is set after a heating time at a high heating power, it is possible to set a target temperature, which corresponds to the first relatively low heating power, for frying processes.

IPC 8 full level

**H05B 6/06** (2006.01)

CPC (source: CN EP US)

**F24C 7/081** (2013.01 - CN); **H05B 6/062** (2013.01 - CN EP US); **H05B 6/12** (2013.01 - CN); **H05B 2206/024** (2013.01 - US); **H05B 2213/07** (2013.01 - EP US)

Cited by

DE102019205408A1; DE102019205408B4; EP4009739A1; DE102020215319A1; EP3860307A1; DE102020201005A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3177107 A1 20170607**; **EP 3177107 B1 20240124**; CN 106895451 A 20170627; CN 106895451 B 20210806; ES 2975178 T3 20240703; US 10595366 B2 20200317; US 2017164427 A1 20170608

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**EP 15197633 A 20151202**; CN 201611096593 A 20161202; ES 15197633 T 20151202; US 201615365284 A 20161130