

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)  
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 MK MT NL NO PL PT RO RS SE SI SK SM TR

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