

Title (en)  
Induction heating device

Title (de)  
Induktionsheizvorrichtung

Title (fr)  
Dispositif de chauffage à induction

Publication  
**EP 2590475 A3 20180620 (DE)**

Application  
**EP 12190484 A 20121030**

Priority  
ES 201131766 A 20111104

Abstract (en)  
[origin: EP2590475A2] The device (12) has a control unit (14) defining a set of pulse parameters as a function of a fluctuation of a sensor value of sensing units (40-46), where the sensing units determine temperature of a heating medium or a dish. The control unit is provided in a mode of operation to define the pulse parameters as a function of a curve. The control unit switches the mode of operation between a pulsed operation and a continuous operation as a function of an operator input. Four induction heating units (30-36) are arranged below a cook field plate. An independent claim is also included for a method for operating an induction heating device.

IPC 8 full level  
**H05B 6/06** (2006.01)

CPC (source: EP)  
**H05B 6/062** (2013.01); **H05B 2213/07** (2013.01)

Citation (search report)

- [X] US 3814888 A 19740604 - BOWERS D, et al
- [X] GB 2153111 A 19850814 - TOSHIBA KK
- [X] US 2007080158 A1 20070412 - TAKIMOTO HITOSHI [JP]
- [X] WO 2009146663 A1 20091210 - YE XIAOZHOU [CN], et al
- [X] EP 2200398 A1 20100623 - FAGORBRANDT SAS [FR]
- [X] US 2007012684 A1 20070118 - LIU YUAN-HO [TW], et al

Cited by  
EP3013121A4

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2590475 A2 20130508; EP 2590475 A3 20180620; EP 2590475 B1 20191211**

DOCDB simple family (application)  
**EP 12190484 A 20121030**