

Title (en)

Method for controlling the operation of an induction cooktop and induction cooktop using said method

Title (de)

Steuerverfahren für den Betrieb eines Induktionskochfeldes, und Induktionskochfeld, das dieses Verfahren benutzt

Title (fr)

Procédé de commande en fonctionnement d'une table de cuisson à induction et table de cuisson à induction utilisant ce procédé

Publication

EP 2445306 A3 20121226 (FR)

Application

EP 11186267 A 20111021

Priority

FR 1004134 A 20101021

Abstract (en)

[origin: EP2445306A2] The method involves controlling one of inverter devices by a control unit and supplying alternating voltage to an induction cook top, where the cook top includes a power supply system producing rectified and filtered supply voltage (V2) from the voltage. Change of control (10) of the device is performed by a control unit when instantaneous value of the supply voltage of the device ranges between periodic minimum and 20 percent higher than the periodic minimum, where the change of control designates starting, modification of frequency or duty cycle or stop of control signals of the device. An independent claim is also included for an induction cook top comprising an inverter device.

IPC 8 full level

H05B 6/02 (2006.01); **H05B 6/06** (2006.01); **H05B 6/12** (2006.01)

CPC (source: EP)

H05B 6/062 (2013.01)

Citation (search report)

- [X] EP 2209197 A1 20100721 - WHIRLPOOL CO [US], et al
- [X] EP 1951003 A1 20080730 - WHIRLPOOL CO [US], et al
- [X] EP 0986287 A2 20000315 - BALAY SA [ES]

Cited by

CN107155230A; US11699924B2; CN107734729A; EP2747514A1; FR3000361A1; EP4002955A1

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 2445306 A2 20120425; **EP 2445306 A3 20121226**; **EP 2445306 B1 20171213**; ES 2661556 T3 20180402; FR 2966688 A1 20120427; FR 2966688 B1 20151120

DOCDB simple family (application)

EP 11186267 A 20111021; ES 11186267 T 20111021; FR 1004134 A 20101021