

Title (en)

COOKTOP HAVING A DETECTION ASSEMBLY AND METHOD FOR OPERATING A COOKTOP

Title (de)

KOCHFELD MIT EINER DETEKTIONSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINES KOCHFELDS

Title (fr)

PLAQUE DE CUISSON ÉQUIPÉE D'UN ENSEMBLE DE DÉTECTION ET PROCÉDÉ DE FONCTIONNEMENT D'UNE PLAQUE DE CUISSON

Publication

EP 2420105 B1 20160511 (DE)

Application

EP 10711211 A 20100325

Priority

- EP 2010053935 W 20100325
- ES 200930070 A 20090417

Abstract (en)

[origin: WO2010118943A1] The invention relates to a cooktop having a plurality of heating elements (10), a user interface (24) for inputting a power level, a detection assembly (26) for detecting a position and size of at least one cookware element (12, 13, 14), and a control unit (22) designed to combine a plurality of heating elements (10) into a heating zone (16, 18, 20) depending on the detected size and position of the cookware element (12, 13, 14) and to operate the heating elements (10) of the heating zone (16, 18, 20) with a total heat output. In order to ensure a reproducible total heat output, it is proposed that the control unit (22) be designed to calculate a bottom surface of the cookware element (12, 13, 14) from the measurands of the detection assembly (26) and to determine the total heat output depending on power level and bottom surface.

IPC 8 full level

H05B 6/06 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP ES US)

H05B 6/06 (2013.01 - ES); **H05B 6/065** (2013.01 - EP US); **H05B 2213/03** (2013.01 - EP US); **H05B 2213/05** (2013.01 - EP US)

Cited by

DE102017201109A1; EP3361827A1; DE102017202235A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010118943 A1 20101021; CN 102396294 A 20120328; EP 2420105 A1 20120222; EP 2420105 B1 20160511; ES 2362782 A1 20110713; ES 2362782 B1 20120522; ES 2572729 T3 20160602; US 10009960 B2 20180626; US 2012024835 A1 20120202

DOCDB simple family (application)

EP 2010053935 W 20100325; CN 201080016978 A 20100325; EP 10711211 A 20100325; ES 10711211 T 20100325; ES 200930070 A 20090417; US 201013262275 A 20100325