

Title (en)

Method for detecting containers arranged on a cooktop and cooktop

Title (de)

Verfahren zum Entdecken von Behältern, die auf einem Kochfeld abgestellt sind, und Kochfeld

Title (fr)

Procédé de détection de récipients disposés sur une table de cuisson et table de cuisson

Publication

EP 2445305 A3 20121226 (FR)

Application

EP 11186089 A 20111021

Priority

FR 1004135 A 20101021

Abstract (en)

[origin: EP2445305A2] The method involves implementing activation step on sub-sets of detection units associated to subsets of heating units (12a-12d) i.e. inductors, where the detection units detect the presence of a container. The activation step is repeated sequentially on the sub-sets of detection units until wholeness of the heating units covered by the container positioned on a cooking surface is identified, where the subsets of the detection units correspond to a partition of total detection units of a cook top. An independent claim is also included for a cook top, comprising heating units distributed along a bi-dimensional grid under a cooking surface.

IPC 8 full level

H05B 3/68 (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP)

H05B 3/68 (2013.01); **H05B 6/062** (2013.01); **H05B 2213/03** (2013.01); **H05B 2213/05** (2013.01)

Citation (search report)

- [AD] EP 2034799 A1 20090311 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [AD] FR 2863039 A1 20050603 - BRANDT IND [FR]
- [A] EP 1439739 A1 20040721 - WHIRLPOOL CO [US]

Cited by

EP2914061A4; US12058797B2; US11596030B2; EP2914060A4; WO2023099659A1

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 2445305 A2 20120425; **EP 2445305 A3 20121226**; **EP 2445305 B1 20150318**; ES 2539728 T3 20150703; FR 2966689 A1 20120427; FR 2966689 B1 20160108

DOCDB simple family (application)

EP 11186089 A 20111021; ES 11186089 T 20111021; FR 1004135 A 20101021