

Title (en)
Hotplate device

Title (de)
Kochfeldvorrichtung

Title (fr)
Dispositif de champ de cuisson

Publication
EP 2741571 B1 20170111 (DE)

Application
EP 13194841 A 20131128

Priority
ES 201231892 A 20121205

Abstract (en)
[origin: EP2741571A1] The device (12) has cooking zones (22, 24, 26, 28) defined by a heating element, and electrodes (32, 34, 36, 38) whose capacitance is changed based on dish occupancy of the cooking zones. A touch-sensitive operating unit (40) evaluates electrode properties of the electrodes in an operating mode. The electrodes are formed as a cooktop plate coating. Conducting connections (33, 35, 37, 39) between the electrodes and the operating unit are electrically shielded, where the electrodes and the connections are pressed on a lower side of a cooktop plate (14). Independent claims are also included for the following: (1) a method for operating a cooktop device (2) a method for manufacturing a cooktop device.

IPC 8 full level
H05B 6/06 (2006.01); **F24C 7/08** (2006.01)

CPC (source: EP)
F24C 7/083 (2013.01); **H05B 6/062** (2013.01); **H05B 2213/05** (2013.01)

Cited by
EP3478027A1; CN109983841A; AU2017349644B2; US11617236B2; WO2018077548A1

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

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