

Title (en)
OPERATING DEVICE FOR AN ELECTRICAL APPLIANCE SUCH AS A COOKING HOB OR SIMILAR AND ARRANGEMENT OF THE SAME

Title (de)
BEDIENEINRICHTUNG FÜR EIN ELEKTROGERÄT WIE EIN KOCHFELD ODGL. UND ANORDNUNG DERSELBEN

Title (fr)
DISPOSITIF DE COMMANDE POUR UN APPAREIL ÉLECTRIQUE TEL QU'UNE PLAQUE DE CUISSON OU ANALOGUE, ET DISPOSITIF CORRESPONDANT

Publication
EP 2176597 A2 20100421 (DE)

Application
EP 08784748 A 20080714

Priority
• EP 2008005720 W 20080714
• DE 102007034703 A 20070718

Abstract (en)
[origin: WO2009010252A2] The invention relates to an operating device (13) for an electric hob (30), the operation thereof being carried out by pressing a finger on specifically defined contact points. Said operating device comprises a plurality of contact pads (20) serving as contact points. The contact pads (20) can be freely displaced from the electric hob (30) or the operating device (13). They have an individual coding (23), for example by modulating an electromagnetic field. The operating device (13) comprises an electrode surface (15) to be fixed beside the electrical appliance where the contact pads (20) are arranged. A capacitive coupling is established between the contact pads (20) and the electrode surface (15). The operating device further comprises a control and evaluation device (17) connected to the electrode surface (15), either for detecting the contact of a contact pad (20) and to detect and differentiate the contact on said contact pad from other contact pads by means of the individual coding (23).

IPC 8 full level
F24C 7/08 (2006.01)

CPC (source: EP US)
F24C 7/082 (2013.01 - EP US); **F24C 15/2021** (2013.01 - EP US)

Citation (search report)
See references of WO 2009010252A2

Citation (examination)
• AT 500128 A1 20051015 - LUNATONE IND ELEKTRONIK GMBH [AT]
• DE 10026058 A1 20011129 - EGO ELEKTRO GERAETEBAU GMBH [DE]
• GB 2433211 A 20070620 - MUZAFFAR SAJ [GB]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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