

Title (en)
PANEL FOR A COOKING HOB

Title (de)
PLATTE FÜR EIN KOCHFELD

Title (fr)
PANNEAU POUR PLAQUE DE CUISSON

Publication
EP 3736500 A1 20201111 (EN)

Application
EP 19173111 A 20190507

Priority
EP 19173111 A 20190507

Abstract (en)
A panel (10) for a cooking hob has an upper, cooking surface (12) and a lower surface (12). The upper surface (12) has rows (18) of resistors (20). The lower surface (14) has rows (22) of plural resistors (24) corresponding to the rows (18) of resistors (20) of the upper surface (12). The resistors (20, 24) in each row (18, 20) of one of the surfaces (12, 14) are normally electrically connected in series and the resistors (24, 20) in the other surface (14, 12) are normally not electrically connected with each other. When heat is applied to a region of the upper surface (12), the not-normally-connected resistors (20, 24) that underlie the region of the upper surface (12) where heat is applied are electrically connected in series with each other and are electrically connected with the corresponding other resistors (24, 20). The resistance can be measured so as to enable the location of the region or regions where heat is being applied to be identified.

IPC 8 full level
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CPC (source: EP)
F24C 7/083 (2013.01); **F24C 15/102** (2013.01); **H05B 1/0266** (2013.01)

Citation (search report)
• [A] US 2012160820 A1 20120628 - KAWATA KOHEI [JP], et al
• [A] US 2013008891 A1 20130110 - TAKEHIRA TAKASHI [JP], et al
• [A] WO 2011056742 A1 20110512 - SSW HOLDING CO INC [US], et al
• [A] JP 2013020801 A 20130131 - MITSUBISHI ELECTRIC CORP, et al
• [A] JP 2012209101 A 20121025 - MITSUBISHI ELECTRIC CORP, et al

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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