

Title (en)

Hob with ceramic cooking plates

Title (de)

Kochfeld mit einer Glaskeramik-Kochfläche

Title (fr)

Champ de cuisson doté d'une surface de cuisson vitrocéramique

Publication

**EP 1833281 B1 20121010 (DE)**

Application

**EP 07102142 A 20070212**

Priority

DE 102006011315 A 20060311

Abstract (en)

[origin: EP1833281A2] The hob has two glass ceramic plates (1) with different spectral infra-red (IR) transmission degrees, where the hob is designed as a cooking surface. Each plate has a cooking zone (2) that is heated bottom-up by a radiation heating device in connection with an adjusting temperature limiter, which limits an upper side temperature of the plates to a maximum value. One of the plates with a high spectral IR transmission degree has IR absorbing or reflecting designs for adapting to the other plate with a low spectral IR transmission degree by maintaining the temperature adjusted by the device.

IPC 8 full level

**H05B 3/74** (2006.01)

CPC (source: EP US)

**H05B 3/74** (2013.01 - EP US); **H05B 3/746** (2013.01 - EP US); **H05B 2213/07** (2013.01 - EP US); **Y10T 428/24926** (2015.01 - EP US)

Cited by

DE102018131459A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1833281 A2 20070912**; **EP 1833281 A3 20080716**; **EP 1833281 B1 20121010**; DE 102006011315 A1 20070913;  
DE 102006011315 B4 20080612; US 2007221654 A1 20070927; US 2008237222 A1 20081002; US 8097837 B2 20120117

DOCDB simple family (application)

**EP 07102142 A 20070212**; DE 102006011315 A 20060311; US 5902608 A 20080331; US 68245107 A 20070306