

Title (en)
Infrared beam controlled cooking unit

Title (de)
Infrarotgesteuerte Garungseinheit

Title (fr)
Unité de cuisson à commande par infrarouge

Publication
EP 0690659 B1 20011128 (DE)

Application
EP 95109645 A 19950621

Priority
• DE 4422354 A 19940627
• DE 29506244 U 19950411

Abstract (en)
[origin: EP0690659A2] The cooking vessel (1) placed on a glass ceramic hotplate (2) has a spot (4) on its outside from which an infrared signal is radiated to a sensor in position (9) on a wall (10). The sensor is wired to an electronic component (11) connected to a power relay (12). This arrangement permits convenient and relatively precise determin. of the temp. of the wall of the cooking vessel. The heating surface may have a printed decorative coating in the form of bumps whereby non-occupation of the hot plate can be monitored by the infrared sensor. <IMAGE>

IPC 1-7
H05B 1/02; **H05B 3/74**

IPC 8 full level
H05B 1/02 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)
H05B 1/0266 (2013.01); **H05B 3/746** (2013.01); **H05B 2213/07** (2013.01)

Cited by
ES2115525A1; IT201800004418A1; DE10141754A1; FR2809480A1; EP2653785A1; EP4294125A1; US10551056B2; US10660162B2; EP3336436A1; WO9735455A1; WO0190654A3; WO2018114137A1; WO9821916A1; US10837652B2; US10145568B2; US10451290B2; US10627116B2; US11226106B2; US11777190B2; DE202017006001U1; USD835775S; US10619862B2; US11137145B2; US6461573B1; US6897268B2; US10837651B2; US11460195B2

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