

Title (en)

Radiant heater mounted with a thermal switch in a cooking hob

Title (de)

In einem Kochfeld mit einem Thermoschalter montierter Strahlungsheizkörper

Title (fr)

Corps de chauffe rayonnant monté avec un commutateur thermique dans une plaque de cuisson

Publication

EP 1865752 A1 20071212 (EN)

Application

EP 06380156 A 20060609

Priority

EP 06380156 A 20060609

Abstract (en)

The electric radiant heater (101) adapted to a cooking hob is attached to the cooking plate (2a) forming with it an air cavity (13) in which the extended heating resistor (105) is housed on an insulating base (104). A peripheral outer wall (3,6) of the heater defines said cavity (13) in which there is a thermal switch (107) positioned, having a bimetal sensor (107c) the compact body (107a) of which rests on a central area (104a) of the insulating base, and its metal heat-receiving base (107b) in a position facing a heating resistor segment (105a) and either very close to or above it making contact. The relative position of the bimetal sensor (107c) enables a switching point (SWC',SWO') of the electrical contact (109) to be set in correlation to the hotplate warning light temperature range (TU).

IPC 8 full level

H05B 1/02 (2006.01); **H01H 37/04** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

H05B 1/0213 (2013.01); **H05B 3/746** (2013.01); **H01H 37/043** (2013.01)

Citation (applicant)

- US 4059817 A 19771122 - HOLLWECK WALTER, et al
- DE 1123059 B 19620201 - FISCHER KARL
- GB 2316283 A 19980218 - STRIX LTD [GB]
- US 2005274710 A1 20051215 - TOYOS DANIEL D L [ES], et al

Citation (search report)

- [XAY] GB 2316283 A 19980218 - STRIX LTD [GB]
- [Y] EP 0249721 A1 19871223 - EGO ELEKTRO BLANC & FISCHER [DE]
- [A] DE 2901801 A1 19800731 - EGO REGELTECH

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

Designated extension state (EPC)

AL BA HR MK YU

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