

Title (en)

HEATING ELEMENT, ESPECIALLY RADIANT HEATING ELEMENT FOR THE HEATING OF CERAMIC PLATES

Publication

EP 0103741 A3 19840725 (DE)

Application

EP 83107991 A 19830812

Priority

- DE 3234349 A 19820916
- DE 3314501 A 19830421

Abstract (en)

[origin: ES8406833A1] An electrical radiant heating body has two concentric heating zones with independently operable heating resistors. On only switching in the central zone, the associated heating resistor has a very high power which, on connecting in the outer zone, can be reduced by the connection in series of a heating resistor in the outer zone, so that there is a uniform heating surface loading for the total heating surface. The thermometer probe of a thermal cut-out projects over the heating surface and has two contacts operating at different temperatures, one of them being a changeover contact.

IPC 1-7

H05B 3/74; **H05B 1/02**

IPC 8 full level

F24C 15/10 (2006.01); **H05B 1/02** (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP US)

F24C 15/106 (2013.01 - EP US); **H05B 1/0216** (2013.01 - EP US); **H05B 3/746** (2013.01 - EP US); **H05B 2203/037** (2013.01 - EP US); **H05B 2213/04** (2013.01 - EP US)

Citation (search report)

- [A] US 1696684 A 19281225 - KNOPP OTTO A
- [A] FR 888388 A 19431210 - ENTPR S ELECTR FRIBOURGEOISES
- [A] DE 2347045 A1 19750327 - LICENTIA GMBH
- [A] DE 1097586 B 19610119 - FISCHER KARL
- [A] FR 2197294 A1 19740322 - SIEMENS ELEKTROGERAETE GMBH [DE]
- [A] FR 2409656 A1 19790615 - EGO ELEKTRO BLANC & FISCHER [DE]
- [A] US 2666836 A 19540119 - THEODOR STIEBEL
- [A] DE 1239034 B 19670420 - ERNST DREEFS GES MIT BESCHRAEN

Cited by

DE4438648A1; CN108652424A; DE3503648A1; EP0163106A1; EP2983449A1; EP0777405A3; US5892206A; EP0384659A3; EP0206597A1; US4789772A; US4910387A; EP0176027A1; EP0714223A2; WO2013186062A1; EP0124778B1

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DOCDB simple family (application)

EP 83107991 A 19830812; AU 1912683 A 19830914; DE 3378516 T 19830812; ES 525626 A 19830915; GR 830172301 A 19830825; US 52815783 A 19830831; YU 187483 A 19830915