

Title (en)

Ceramic heating element, its manufacturing method and its uses

Title (de)

Keramische Heizeinrichtung, Verfahren zu deren Herstellung und deren Verwendung

Title (fr)

Élément chauffant en céramique, sa méthode de fabrication et ses applications

Publication

**EP 0720416 A3 19961120 (DE)**

Application

**EP 95120498 A 19951222**

Priority

- DE 4447074 A 19941229
- DE 19547373 A 19951219

Abstract (en)

[origin: EP0720416A2] The heating device has an electric heating element (13) embedded between a pair of ceramic carrier foils (11,12), provided by a resistance heating conductor (15) and a pair of end leads (16,17). The electric heating element can be stamped out in one piece from an electrically-conductive ceramics foil, which is then laminated with the carrier foils, or alternatively the resistance heating conductor is formed via a thick-film technique, before combining it with stamped out low-ohmic leads.

IPC 1-7

**H05B 3/14**; **F23Q 7/00**

IPC 8 full level

**F23Q 7/22** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)

**F23Q 7/22** (2013.01); **H05B 3/141** (2013.01)

Citation (search report)

- [E] DE 4440005 A1 19950518 - KYOCERA CORP [JP]
- [A] DE 4318327 A1 19941208 - SIEMENS AG [DE]
- [A] DE 3918964 A1 19891214 - NGK SPARK PLUG CO [JP]
- [A] EP 0335382 A1 19891004 - NIPPON DENSO CO [JP]

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