

Title (en)  
ELECTRIC HEATING BODY

Title (de)  
ELEKTRISCHER HEIZKÖRPER

Title (fr)  
ELEMENT CHAUFFANT ELECTRIQUE

Publication  
**EP 1338174 A1 20030827 (DE)**

Application  
**EP 01989039 A 20011012**

Priority  
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Abstract (en)  
[origin: WO0235885A1] The electric heating body is comprised of a heat distribution plate (3) that conducts heat well, of at least one heat conductor (2) consisting of a thick-film conductor track, which is applied to one side of the heat distribution plate and which leaves the at least one area (6) of the heat distribution plate (3) uncovered, and of a connection element (4) for the galvanic connection to the conductor track ends. The aim of the invention is to measure the temperature of the medium to be heated, in a manner that is both continuous and as instantaneous as possible, during running operation of the thick-film heater and to avoid the provision of an additional opening in the container. To these ends, a temperature-dependent resistor (9) consisting of a thick-film conductor track (8, 9), which is applied to the same side of the heat distribution plate (3) as the heat conductor (2) and which is made of a material having an absolute value for the temperature coefficients that is large enough to be evaluated, is provided on said area (6) in a position that, like the heat conductor (2), is electrically insulated and thermally decoupled to a large extent from the heat conductor (2).

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**H05B 3/26**

IPC 8 full level  
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Citation (search report)  
See references of WO 0235885A1

Citation (third parties)  
Third party :  
WO 9312706 A1 19930708 - FISHER & PAYKEL [NZ]

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