

Title (en)  
ELECTRIC HEATING ELEMENT

Title (de)  
ELEKTRISCHES HEIZELEMENT

Title (fr)  
ELEMENT CHAUFFANT ELECTRIQUE

Publication  
**EP 1620864 A1 20060201 (DE)**

Application  
**EP 04722845 A 20040324**

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Abstract (en)  
[origin: WO2004086420A1] The invention relates to an electric heating element provided with a durable PTC resistance made at least partially of an iron-based alloy, exhibiting stable characteristics to a temperature of 1500 DEG C and having a resistance/temperature characteristic curve which substantially increases in a linear manner within a temperature range between an ambient temperature and 1500 DEG C and can be used for a temperature control. Said PCT resistance is provided with an oxydation resistant metallisation or is gas-tightly enveloped by a jacket (2, 3, 12), a space between said jacket (2, 3, 12) and the PCT resistance (1,13) being filled with a powder or granules (14) which remove an important gas amount from said space.

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**H01C 7/02**

IPC 8 full level  
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