

Title (en)  
THICK FILM HEATERS AND RESISTANCES

Title (de)  
DICKSCHICHT-HEIZELEMENTE UND -WIDERSTANDE

Title (fr)  
APPAREILS DE CHAUFFAGE ET RESISTANCES A COUCHE EPAISSE

Publication  
**EP 1366640 A1 20031203 (EN)**

Application  
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Priority  
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Abstract (en)  
[origin: GB2373157A] A thick film heating element or resistance comprises a main track 4 arranged to carry electric current during normal operation and an auxiliary track portion 26a, 26b electrically coupled to said main track 4 by a bridge 32 of glass, glass-ceramic or ceramic material such that it does not carry current during normal operation, but wherein the configuration of the auxiliary track 26a, 26b and the bridge 32 of glass, glass-ceramic or ceramic material is chosen such that at a predetermined temperature a leakage current between the main 4 and auxiliary 26a, 26b tracks via gaps 30a, 30b rises to such an extent that a failure current flows through a section of the main track 4.

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**H05B 1/02**; **H05B 3/82**

IPC 8 full level  
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