

Title (en)

Thick film heater

Title (de)

Dickschicht Heizelement

Title (fr)

Élément chauffant à couche épaisse

Publication

EP 1713307 A3 20061206 (EN)

Application

EP 06013593 A 20000814

Priority

- EP 00953316 A 20000814
- GB 9919205 A 19990813

Abstract (en)

[origin: EP1713307A2] An electrical resistance or heater of the type comprising a thick film resistive track provided on an insulating substrate has two predetermined sections of said track (8d,8e) with a predetermined current carrying capacity. These sections are bridged by a discrete bridge (22) of an insulating material, e.g. glass, which at a predetermined temperature becomes sufficiently conductive to cause a failure current to flow through one or both of said sections (8d,8e). The resistive track (8) is protected from oxidation by a separate overglaze layer. The heater track section (8d) passing the failure current is provided with means, such as an aperture (24) in the track, for concentrating locally the current flowing therethrough.

IPC 8 full level

H05B 3/26 (2006.01); **H05B 1/02** (2006.01)

CPC (source: EP)

H05B 1/02 (2013.01); **H05B 1/0269** (2013.01); **H05B 3/262** (2013.01); **H05B 3/265** (2013.01); **F15B 2211/7107** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/017** (2013.01); **H05B 2203/021** (2013.01)

Citation (search report)

[DXA] WO 9739603 A1 19971023 - STRIX LTD [GB], et al

Cited by

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DOCDB simple family (publication)

EP 1713307 A2 20061018; **EP 1713307 A3 20061206**; **EP 1713307 B1 20101215**; AT E357832 T1 20070415; AT E492139 T1 20110115; AU 6583000 A 20010313; CN 100396163 C 20080618; CN 1180661 C 20041215; CN 1320355 A 20011031; CN 1523931 A 20040825; CN 2461236 Y 20011121; DE 60034019 D1 20070503; DE 60034019 T2 20071213; DE 60045400 D1 20110127; EP 1121835 A1 20010808; EP 1121835 B1 20070321; ES 2284516 T3 20071116; GB 2353457 A 20010221; GB 2353457 B 20040825; GB 9919205 D0 19991020; HK 1040590 A1 20020614; RU 2001111004 A 20030310; WO 0113680 A1 20010222

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EP 06013593 A 20000814; AT 00953316 T 20000814; AT 06013593 T 20000814; AU 6583000 A 20000814; CN 00255073 U 20000812; CN 00801678 A 20000814; CN 03178694 A 20000814; DE 60034019 T 20000814; DE 60045400 T 20000814; EP 00953316 A 20000814; ES 00953316 T 20000814; GB 0003136 W 20000814; GB 9919205 A 19990813; HK 02101032 A 20020208; RU 2001111004 A 20000814