

Title (en)

Current source limitation for thick film heating elements.

Title (de)

Strombegrenzung bei Dickschichtfilmheizelementen.

Title (fr)

Limiteur de courant pour éléments chauffants à couche épaisse.

Publication

EP 0335617 B1 19931201 (EN)

Application

EP 89302961 A 19890323

Priority

GB 8807139 A 19880325

Abstract (en)

[origin: EP0335617A2] A heating element (1) comprises a plurality of thick film electrically resistive tracks (2, 4, 6), of which at least one has a temperature coefficient of resistance in excess of 0.006 per degree C. A first track (2) is for electrical connection to a power supply. Means (12, 14) for electrically connecting the first track (2) to a second track (4, 6) comprise a component which depends on temperature such that, in use, the current flowing in the second track (4, 6) increases with the temperature of the first track (2).

IPC 1-7

H05B 3/26; **H05B 3/74**

IPC 8 full level

H05B 3/26 (2006.01); **H05B 3/74** (2006.01)

CPC (source: EP)

H05B 3/26 (2013.01); **H05B 3/748** (2013.01); **H05B 2203/002** (2013.01); **H05B 2203/005** (2013.01); **H05B 2203/013** (2013.01); **H05B 2203/017** (2013.01); **H05B 2203/019** (2013.01)

Cited by

ES2049180A2; GB2307384A; GB2307384B; GB2307385A; GB2307385B; WO0193638A1; WO9617496A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0335617 A2 19891004; **EP 0335617 A3 19910320**; **EP 0335617 B1 19931201**; AT E98082 T1 19931215; DE 68911008 D1 19940113; DE 68911008 T2 19940616; GB 8807139 D0 19880427

DOCDB simple family (application)

EP 89302961 A 19890323; AT 89302961 T 19890323; DE 68911008 T 19890323; GB 8807139 A 19880325