

Title (en)
CURRENT SOURCE LIMITATION FOR THICK FILM HEATING ELEMENTS

Publication
EP 0335617 A3 19910320 (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)
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Citation (search report)
• [A] EP 0227405 A2 19870701 - RAYCHEM CORP [US]
• [A] EP 0208823 A1 19870121 - KANTHAL AB [SE]
• [A] US 3396055 A 19680806 - HEDDEN WALTER A, et al
• [A] US 2777930 A 19570115 - MAX NATHANSON

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

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