

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)  
**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)

Citation (search report)  
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• [A] EP 0208823 A1 19870121 - KANTHAL AB [SE]  
• [A] US 3396055 A 19680806 - HEDDEN WALTER A, et al  
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Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

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