

Title (en)  
HEATING CABLE OF MULTI-LAYER CONSTRUCTION

Title (de)  
HEIZKABEL MIT MEHRSCHICHTAUFBAU

Title (fr)  
CABLE CHAUFFANT A STRUCTURE MULTICOUCHE

Publication  
**EP 1297722 B1 20050831 (DE)**

Application  
**EP 01273768 A 20011016**

Priority  
• DE 10107429 A 20010216  
• EP 0111956 W 20011016

Abstract (en)  
[origin: WO02067630A1] Electrical heating cables (6) find application in the maintenance of a constant process temperature as serial resistance heaters. Such a heating cable (6) comprises a multi-layer construction, of, from inside out, a heating conductor (1), a first insulation layer (2), made from PFA, a layer (3), made from glass fibre ceramic strip, a reinforcement layer (4), a wire mesh and a further PFA insulation layer (5). The sensitive heating conductor (1) is, in particular, well protected from external mechanical influences, by means of the interaction of the glass fibre ceramic strip (3) and the reinforcing layer (4).

IPC 1-7  
**H05B 3/56**

IPC 8 full level  
**H05B 3/56** (2006.01)

CPC (source: EP)  
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Cited by  
KR101516159B1; US11871486B2; US11956865B2

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