

Title (en)
HEATING CABLE OF MULTI-LAYER CONSTRUCTION

Title (de)
HEIZKABEL MIT MEHRSCHICHTAUFBAU

Title (fr)
CABLE CHAUFFANT A STRUCTURE MULTICOUCHE

Publication
EP 1297722 A1 20030402 (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)
H05B 3/56 (2013.01)

Cited by
KR101516159B1; US11871486B2; US11956865B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02067630 A1 20020829; AT E303709 T1 20050915; DE 10107429 A1 20020912; DE 10107429 B4 20050929; DE 50107297 D1 20051006; EA 004666 B1 20040624; EA 200300148 A1 20030626; EP 1297722 A1 20030402; EP 1297722 B1 20050831

DOCDB simple family (application)
EP 0111956 W 20011016; AT 01273768 T 20011016; DE 10107429 A 20010216; DE 50107297 T 20011016; EA 200300148 A 20011016; EP 01273768 A 20011016