

Title (en)
Electrical heater element

Title (de)
Elektrisches Heizelement

Title (fr)
Élément de chauffage électrique

Publication
EP 1528838 A2 20050504 (EN)

Application
EP 04256795 A 20041103

Priority
GB 0325574 A 20031103

Abstract (en)
An electrical heater element (1) comprises, a first electrical contact member (2) having opposed sides, at least one second electrical contact member (10, 10') providing at least two electrical contact plates (36,38), and at least one first frame member (4) on one with side of the first electrical contact member (2) and at least one second frame member (6) on the opposing side of the first electrical contact member (2). Each of the or each first and second frame members (4,6) is adapted to position at least one PTC component (8). At least one PTC component (8) is positioned by the or each frame member (4,6). The first electrical contact member (2), the or each first and second frame members (4,6) and the or each PTC components (8) are retained between the at least two electrical contact plates (36, 38). <IMAGE>

IPC 1-7
H05B 3/14; **H01C 7/02**

IPC 8 full level
H01C 1/022 (2006.01); **H01C 1/14** (2006.01); **H01C 7/02** (2006.01); **H05B 3/14** (2006.01); **H05B 3/50** (2006.01)

CPC (source: EP)
H01C 1/022 (2013.01); **H01C 1/1406** (2013.01); **H05B 3/14** (2013.01); **H05B 3/50** (2013.01); **H05B 2203/02** (2013.01)

Cited by
US2009293857A1; EP1916873A1; EP2346304A1; US8362406B2; EP2249618A4; US2009026194A1; US8338755B2; US8395088B2; WO2009027217A1; WO2008049619A1; DE102017223785A1; EP2629585A1; EP3598847A1; CN110740527A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1528838 A2 20050504; **EP 1528838 A3 20050525**; **EP 1528838 B1 20060531**; AT E328458 T1 20060615; DE 602004001033 D1 20060706; DE 602004001033 T2 20061207; GB 0325574 D0 20031203

DOCDB simple family (application)
EP 04256795 A 20041103; AT 04256795 T 20041103; DE 602004001033 T 20041103; GB 0325574 A 20031103