

Title (en)

Heat-generating element for an electrical heating device and method for manufacturing the same

Title (de)

Wärmeerzeugendes Element für eine elektrische Heizvorrichtung und Verfahren zur Herstellung derselben

Title (fr)

Élément générateur de la chaleur pour un dispositif chauffant électrique et son procédé de fabrication

Publication

**EP 1916873 B1 20090429 (DE)**

Application

**EP 06022337 A 20061025**

Priority

EP 06022337 A 20061025

Abstract (en)

[origin: EP1916873A1] The element (1) has a positive temperature coefficient (PTC) heating element (5), where insulating housing surrounds the positive temperature coefficient heating element. Electric conductor tracks are in contact with the PTC heating element on opposing sides. The housing consists of housing shell element (2) and a mating shell element (3), which rest against each other with a sealing strip (4) interposed between elements, and enclose and seal the PTC heating element. An independent claim is also included for an additional electric heater for a motor vehicle with a layer structure held in a frame.

IPC 8 full level

**H05B 3/12** (2006.01); **H01C 7/02** (2006.01); **H05B 3/18** (2006.01)

CPC (source: EP KR US)

**F24H 3/04** (2013.01 - KR); **H01C 1/022** (2013.01 - EP US); **H01C 1/1406** (2013.01 - EP US); **H01C 7/02** (2013.01 - EP US); **H05B 3/06** (2013.01 - KR); **H05B 3/14** (2013.01 - KR); **H05B 3/50** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US)

Cited by

DE102017223782A1; DE102009025474C5; EP2109345A1; CN104509205A; EP2296432A1; US10136474B2; EP2393336A1; DE102017209990A1; CN110012564A; EP2957840A1; US9894715B2; DE102019204472A1; EP4362606A1; DE102022127875A1; DE102020205646A1; DE202011003209U1; US8395087B2; US11686502B2; WO2014009013A3; EP3515152A2; EP2873296B1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 1916873 A1 20080430**; **EP 1916873 B1 20090429**; CN 101361406 A 20090204; CN 101361406 B 20120509; DE 502006003627 D1 20090610; ES 2322492 T3 20090622; JP 2009528655 A 20090806; JP 4871961 B2 20120208; KR 100942336 B1 20100212; KR 20080093021 A 20081017; US 2010044360 A1 20100225; US 8395088 B2 20130312; WO 2008049619 A1 20080502

DOCDB simple family (application)

**EP 06022337 A 20061025**; CN 200780001738 A 20071025; DE 502006003627 T 20061025; EP 2007009280 W 20071025; ES 06022337 T 20061025; JP 2008556730 A 20071025; KR 20087015694 A 20071025; US 44260507 A 20071025