

Title (en)

Electrically heatable plastic matrix

Title (de)

Elektrisch beheizbare Kunststoffmatrix

Title (fr)

Matrice plastique chauffable électriquement

Publication

EP 1528837 A1 20050504 (DE)

Application

EP 04022246 A 20040917

Priority

DE 10351309 A 20031031

Abstract (en)

Electrically heatable structure is made of an electrically conducting plastic, especially with PTC properties. The structure has channels containing a fluid, especially air, and electrical connections (2, 3) and is in the form of a honeycomb structure (1), a foam structure, or a corrugated, folded or wound continuous film.

Abstract (de)

Die Erfindung betrifft eine elektrisch beheizbare Struktur aus einem elektrisch leitenden Kunststoff, insbesondere mit PTC-Eigenschaften, wobei die Struktur von einem Fluid, insbesondere von Luft durchströmbare Kanäle und elektrische Anschlüsse (2, 3) aufweist. Es wird vorgeschlagen, dass die Struktur als Wabenstruktur (1) ausgebildet ist. <IMAGE>

IPC 1-7

H05B 3/14; **H01C 7/02**

IPC 8 full level

H01C 7/02 (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)

H01C 7/02 (2013.01); **H05B 3/146** (2013.01); **H05B 2203/02** (2013.01); **H05B 2203/024** (2013.01)

Citation (search report)

- [X] DE 10201262 A1 20030814 - WEBASTO THERMOSYSTEME GMBH [DE]
- [X] DE 10060301 A1 20030130 - HERMSDORFER INST TECH KERAMIK [DE]
- [X] US 4717813 A 19880105 - BERG PETER G [US], et al
- [X] US 4633069 A 19861230 - BERG PETER G [US], et al

Cited by

EP2109347A1; RU2483493C2; FR2928625A1; EP1885159A1; EP1747917A3; EP2680666A1; CN110678704A; CN110678343A; EP1675433A1; US11076452B2; EP1747917A2; WO2009122066A3; WO2013157971A1; WO2009083107A1; WO2007118498A1; WO2018215533A1; WO2018215623A1; WO2018215196A1; WO2018215551A1; WO2018215545A1; WO2018215546A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1528837 A1 20050504; **EP 1528837 B1 20071212**; AT E381241 T1 20071215; DE 102004045668 A1 20050630; DE 502004005690 D1 20080124

DOCDB simple family (application)

EP 04022246 A 20040917; AT 04022246 T 20040917; DE 102004045668 A 20040917; DE 502004005690 T 20040917