

Title (en)

Heating conductor with raccording element and/or closing element and its manufacturing process

Title (de)

Heizleiter mit einem Anschlusselement und/oder einem Abschlusselement sowie ein Verfahren zur Herstellung desselben

Title (fr)

Conducteur chauffant muni d'un élément de raccord et/ou d'un élément de fermeture ainsi que son procédé de fabrication

Publication

**EP 1091623 A3 20020529 (DE)**

Application

**EP 00121536 A 20000930**

Priority

DE 19948819 A 19991009

Abstract (en)

[origin: EP1091623A2] Heat conductor comprises a connecting element (1A,1B) and a heating element (2) having a heating strip (3) and heating strip cords (4,5) and surrounded by a fluoropolymer protective layer (6). A further fluoropolymer plastic material is applied in the region of the connecting elements. An Independent claim is also included for a process for the production of a connecting element for a heat conductor comprising cutting a heating strip with heating strip cords in a prescribed region for the connecting elements and exposing the cords; applying a fluoropolymer plastic layer to the strip; applying a screen covering (8) to the plastic layer; back-cutting the covering layer in the region of the connecting elements; connecting one end of a extension line (9) to the connection point (8A,8B); applying an outer protective casing made of a fluoropolymer plastic to the heat conductor and the hot conductor connections; and finishing the connecting element regions by connecting lines to the cords and/or providing the lines with contact elements.

IPC 1-7

**H05B 3/04**; **H05B 3/06**; **C08L 27/12**; **H01R 4/70**; **H05B 3/56**

IPC 8 full level

**H05B 3/20** (2006.01); **H05B 3/02** (2006.01); **H05B 3/06** (2006.01); **H05B 3/10** (2006.01); **H05B 3/58** (2006.01)

CPC (source: EP US)

**H05B 3/06** (2013.01 - EP US); **H05B 3/56** (2013.01 - EP US); **H05B 3/565** (2013.01 - EP US)

Citation (search report)

- [Y] DE 3428460 A1 19860213 - WAGNER KABELWERK [DE]
- [Y] EP 0779334 A1 19970618 - EILENTROPP KG [DE]
- [A] US 4277673 A 19810707 - KELLY CORNELIUS J N
- [A] EP 0893844 A2 19990127 - DAIMLER BENZ AEROSPACE AIRBUS [DE]
- [A] US 4484022 A 19841120 - EILENTROPP HEINZ [DE]

Cited by

EP1367859A3; CN114645988A; EP2781693A1; FR3003720A1; EP1858116A1; FR2901423A1; US7687714B2; WO2015003784A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1091623 A2 20010411**; **EP 1091623 A3 20020529**; **EP 1091623 B1 20050907**; AT E304277 T1 20050915; DE 19948819 A1 20010523; DE 19948819 C2 20020124; DE 50011103 D1 20051013; ES 2248000 T3 20060316; JP 2001160478 A 20010612; US 6423952 B1 20020723

DOCDB simple family (application)

**EP 00121536 A 20000930**; AT 00121536 T 20000930; DE 19948819 A 19991009; DE 50011103 T 20000930; ES 00121536 T 20000930; JP 2000309406 A 20001010; US 68579200 A 20001010