

Title (en)

Flexible heating element and its use in seat or steering wheel heating systems of vehicles or in other accessory, the production of textiles, pipes, structures and moulds.

Title (de)

Flexibles Heizelement und deren Verwendung zur Heizung von Sitze oder Lenkräder oder irgendeinem Fahrzeugteil, der Herstellung von Textilvlies, Rohren, Strukturen und Formen

Title (fr)

Élément chauffant flexible et son utilisation pour le chauffage de sièges ou volants de véhicules ou de tout autre accessoire, la fabrication de textiles, tuyaux, structures et moules chauffants

Publication

EP 1651010 A1 20060426 (FR)

Application

EP 04292518 A 20041025

Priority

EP 04292518 A 20041025

Abstract (en)

The unit has a conducting core (11) with thin stranded wires made of conducting metallic material and a thermostable armature (10) at its center for increasing mechanical resistance of the unit, where each wire is possibly covered by an enameled covering. An external braided armature (12) is constituted by winding of steel or stainless alloy wires. An insulating sheath made of plastic material envelops the armature (12). Independent claims are also included for the following: (A) utilization of a flexible heating unit for heating seats of terrestrial or aerial vehicles (B) utilization of a heating unit for fabricating heating pipes (C) utilization of a heating unit for fabricating heated textiles (D) utilization of a heating unit for fabricating heated suits (E) utilization of a heating unit for fabricating heating molds in resin (F) utilization of a heating unit in a corrosive medium.

IPC 8 full level

H05B 3/56 (2006.01); **H01B 7/18** (2006.01); **H05B 3/34** (2006.01)

CPC (source: EP)

H05B 3/34 (2013.01); **H05B 3/56** (2013.01); **H05B 2203/009** (2013.01); **H05B 2203/029** (2013.01)

Citation (search report)

- [XY] GB 1453030 A 19761020 - PYROTENAX LTD, et al
- [Y] US 2001006173 A1 20010705 - ROCK MOSHE [US], et al
- [A] DE 10137976 A1 20021121 - LEONI DRAHT GMBH & CO KG [DE]

Cited by

EP2130473A4; KR101678801B1; EP2285180A1

Designated contracting state (EPC)

BE DE FR

DOCDB simple family (publication)

EP 1651010 A1 20060426

DOCDB simple family (application)

EP 04292518 A 20041025