

Title (en)

Method of producing heating elements, insulating members and resistors

Title (de)

Verfahren zur Herstellung von Heizelementen, Isolierelementen und Widerständen

Title (fr)

Procédé de fabrication d'éléments chauffants, éléments isolants et résistances correspondants

Publication

EP 1924126 A1 20080521 (FR)

Application

EP 07291154 A 20070926

Priority

FR 0610087 A 20061117

Abstract (en)

The method involves locking ends (1a, 1b) of a wounded or twisted metallic wire resistor on geometry of an insulation element forming a connection head. The ends of the metallic wire resistor are connected to connectors (3a, 3b) providing locking and connection functions on the insulation element. The ends of the metallic wire resistor are connected to cylindrical rods (2a, 2b) that are inserted in the insulation element that is made of a ceramic material. Each end (1a) is connected to a flange (7) of the metallic wire resistor by an open coil (4). Independent claims are also included for the following: (1) an insulation element forming a connection head used for manufacturing of heating element (2) a metallic wire resistor comprising ends integrated with a connector to provide locking and connection functions on the insulation elements.

Abstract (fr)

Dans un procédé de fabrication d'éléments chauffants par montage de fil métallique enroulé ou torsadé sur un ensemble d'éléments isolants, on utilise plusieurs éléments isolants indexés entre eux pour réaliser un coudage en escalier ou un blocage en translation du fil métallique torsadé ou enroulé. L'étape terminale du procédé consiste en un verrouillage d'extrémités (1a, 1b) de fil métallique enroulé ou torsadé sur des conformations d'un élément isolant formant tête de raccordement.

IPC 8 full level

H05B 3/46 (2006.01)

CPC (source: EP)

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Citation (search report)

- [Y] EP 1619932 A2 20060125 - ATLANTIC INDUSTRIE SAS [FR]
- [Y] CH 93989 A 19220401 - ZEHETMAIER JOHANN [DE], et al
- [A] US 1620627 A 19270315 - HENRY BERRY HERBERT, et al
- [A] CH 138266 A 19300228 - MAXIM A G FABRIK FUER THERMO E [CH]
- [A] FR 2474801 A1 19810731 - DARROU FRANCIS [FR]

Cited by

WO2011157543A1

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