

Title (en)

PTC resistors and method of making

Title (de)

Verfahren zur Herstellung eines Widerstands mit positiven Temperaturkoeffizienten und so erzeugte Widerstände

Title (fr)

Méthode de fabrication d'une résistance à coefficient de température positif CTP et résistances obtenues par ladite méthode

Publication

EP 1326481 A3 20030723 (EN)

Application

EP 02079018 A 20020930

Priority

CH 222002 A 20020107

Abstract (en)

[origin: EP1326481A2] Method for producing class 2 resistors with PTCs, including the following phases: fitting, inside a tube (1) which constitutes the container of the resistor, at least two layers of insulating material (2) in correspondence with the internal surface of said tube; fitting a heating element composed of one or more PTC elements (4) clamped between a pair of diffusers (5) inside said tube, after fitting one or more centring elements; filling the spaces between said heating element and said insulating layer with pulverized magnesium oxide (6); compacting said magnesium oxide; in which the dimensions of the magnesium oxide grains are below 200 microns.

IPC 1-7

H05B 3/00; **H05B 3/10**

IPC 8 full level

H01C 1/03 (2006.01); **H05B 3/52** (2006.01)

CPC (source: EP)

H01C 1/03 (2013.01); **H05B 3/52** (2013.01)

Citation (search report)

- [A] GB 832503 A 19600413 - BRITISH INSULATED CALLENDERS
- [A] US 4104509 A 19780801 - VAN BOKESTAL ANDRE MARCEL ALFR, et al
- [A] US 4972067 A 19901120 - LOKAR RAYMOND S [US], et al
- [A] US 4147927 A 19790403 - PIROTTE FRANZ L G
- [A] US 4087777 A 19780502 - CLASEN HELMUT, et al

Cited by

EP2493261A1; US11118810B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1326481 A2 20030709; **EP 1326481 A3 20030723**; **EP 1326481 B1 20050112**; AT E287194 T1 20050115; BR 8200046 U 20040713; CH 696614 A5 20070815; DE 60202586 D1 20050217; DE 60202586 T2 20051229; DE 60202586 T8 20060511; ES 2234979 T3 20050701

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