

Title (en)

Thermistor manufacturing process and application of thermistor as current limiter

Title (de)

Verfahren zur Herstellung einer Kaltleiteranordnung sowie Verwendung der Kaltleiteranordnung als Strombegrenzer

Title (fr)

Méthode de fabrication d'une thermistance et son application comme dispositif de limitation de courant

Publication

EP 0939410 A3 20000726 (DE)

Application

EP 99810105 A 19990209

Priority

DE 19808025 A 19980226

Abstract (en)

[origin: EP0939410A2] A cold conductor structure is produced by fixing an insulating ceramic plate (1) to each side of a positive temperature coefficient of resistance (PTC) metal layer (2) with a solder or adhesive layer (3). Independent claims are also included for the following: (i) a cold conductor structure produced as described above, the ratio of the total cross-sectional area of the solder or adhesive layers to the cross-sectional area of the metal layer being less than 4/5, especially 0.12; and (ii) a current limiter consisting solely of the above cold conductor structure.

IPC 1-7

H01C 7/02

IPC 8 full level

H01C 1/084 (2006.01); **H01C 1/14** (2006.01); **H01C 7/02** (2006.01)

CPC (source: EP)

H01C 1/084 (2013.01); **H01C 1/1406** (2013.01); **H01C 7/02** (2013.01)

Citation (search report)

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CN103680779A; TWI461386B

Designated contracting state (EPC)

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