

Title (en)
PTC resistance

Title (de)
PTC-Widerstand

Title (fr)
Résistance PTC

Publication
EP 0747910 A3 19970910 (DE)

Application
EP 96810322 A 19960522

Priority
DE 19520869 A 19950608

Abstract (en)
[origin: EP0747910A2] PTC resistor has an electrical resistor component (A) between two contact connections. Component (A) comprises (A1) a polymer matrix contg. (A2) embedded electroconductive, powdered filler in which the predominant vol. fraction consists of particles with an average dia. of less than 100 and more than 5 μ m.

IPC 1-7
H01C 7/02

IPC 8 full level
H01C 7/02 (2006.01)

CPC (source: EP)
H01C 7/027 (2013.01)

Citation (search report)
• [X] EP 0373633 A2 19900620 - IDEMITSU KOSAN CO [JP]
• [A] EP 0590347 A1 19940406 - ABB RESEARCH LTD [CH]
• [X] SHROUT T R ET AL: "COMPOSITE PTCR THERMISTORS UTILIZING CONDUCTING BORIDES, SILICIDES, AND CARBIDE POWDERS", JOURNAL OF MATERIALS SCIENCE, vol. 26, no. 1, 1 January 1991 (1991-01-01), pages 145 - 154, XP000371800

Cited by
US5977861A; US6133820A; US5929744A; US6124780A; US6535103B1; WO2018080441A1; US6366193B2; US6290879B1; US6711807B2; US6323751B1; US6540944B2; US6373372B1; US6191681B1; US11199456B2

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0747910 A2 19961211; EP 0747910 A3 19970910; CN 1140318 A 19970115; DE 19520869 A1 19961212; JP H097802 A 19970110

DOCDB simple family (application)
EP 96810322 A 19960522; CN 96107653 A 19960607; DE 19520869 A 19950608; JP 13379396 A 19960528