

Title (en)
Organic positive temperature coefficient thermistor

Title (de)
Organischer PTC-Thermistor

Title (fr)
Thermistor CTP organique

Publication
EP 1058277 A1 20001206 (EN)

Application
EP 99304275 A 19990602

Priority
EP 99304275 A 19990602

Abstract (en)
An organic positive temperature coefficient thermistor comprises a thermoplastic polymer matrix, a low-molecular organic compound, and conductive particles, each having spiky protuberances thereon. The low-molecular organic compound has a melting point of 40 DEG C to 100 DEG C. The conductive particles are interconnected in a chain form. <IMAGE>

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)

- [Y] US 4514620 A 19850430 - CHENG TAI C [US], et al
- [AD] US 5378407 A 19950103 - CHANDLER DANIEL [US], et al
- [DA] US 3243753 A 19660329 - FRED KOHLER
- [YD] PATENT ABSTRACTS OF JAPAN vol. 017, no. 340 (E - 1389) 28 June 1993 (1993-06-28)
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 005 30 May 1997 (1997-05-30)

Cited by
EP1752993A3; CN100372029C; EP1376623A3; US7810266B2; US7019613B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1058277 A1 20001206; EP 1058277 B1 20060809; DE 69932704 D1 20060921; DE 69932704 T2 20070816

DOCDB simple family (application)
EP 99304275 A 19990602; DE 69932704 T 19990602