Title (en)

CONDUCTIVE POLYMER COMPOSITION

Title (de)

LEITFÄHIGE POLYMERZUSAMMENSETZUNG

Title (fr)

COMPOSITION POLYMERE CONDUCTRICE

Publication

EP 0435923 B1 19971217 (EN)

Application

EP 89910755 A 19890915

Priority

- US 8904010 W 19890915
- US 24705988 A 19880920

Abstract (en)

[origin: EP0803879A1] Electrical devices with improved resistance stability comprise a PTC element comprising a conductive polymer and two electrodes. The conductive polymer composition comprises an organic crystalline polymer and carbon black with a pH of less than 4.0. Particularly preferred conductive polymer compositions comprise carbon blacks which have a pH of less than 4.0, a dry resistivity RCB and a particle size D in nanometers such that RCB/D is at most 0.1. Electrical devices of the invention include heaters and circuit protection devices.

IPC 1-7

H01C 7/02

IPC 8 full level

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CPC (source: EP KR)

H01C 7/02 (2013.01 - KR); **H01C 7/027** (2013.01 - EP)

Cited by

DE102007007617A1; EP2148337A1; DE102008034748A1; US9560697B2; EP2224784A1; DE102009010437A1; US8283612B2; DE102008063849A1; US8383997B2

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DOCDB simple family (publication)

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