

Title (en)  
CONDUCTIVE POLYMER COMPOSITION

Title (de)  
LEITFÄHIGE POLYMERZUSAMMENSETZUNG

Title (fr)  
COMPOSITION POLYMERES CONDUCTRICE

Publication  
**EP 0435923 B1 19971217 (EN)**

Application  
**EP 89910755 A 19890915**

Priority  
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Abstract (en)  
[origin: WO9003651A1] 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.

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**H01C 7/02**

IPC 8 full level  
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**H01C 7/02** (2013.01 - KR); **H01C 7/027** (2013.01 - EP)

Cited by  
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