

Title (en)  
Conductive polymer composition

Title (de)  
Leitfähige Polymerzusammensetzung

Title (fr)  
Composition polymère conductrice

Publication  
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Application  
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Abstract (en)  
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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Citation (search report)  
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• [A] EP 0123540 A2 19841031 - RAYCHEM CORP [US]  
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