

Title (en)

Polymeric PTC composition and circuit protection device made therefrom

Title (de)

PTC-Polymerzusammensetzung und daraus hergestellte Schaltungsschutzeinrichtung

Title (fr)

Composition PTC polymère et dispositif de protection de circuits fabriqués à partir de celle-ci

Publication

**EP 0932166 B1 20070321 (EN)**

Application

**EP 98120252 A 19981026**

Priority

JP 1051398 A 19980122

Abstract (en)

[origin: EP0932166A1] Disclosed is a polymeric PTC composition comprising an organic polymer and conductive particles having a melting point of not less than 2000 DEG C dispersed therein, with the conductive particles being treated with a coupling agent and a circuit protection device having a PTC element comprising the polymeric PTC composition and at least two electrodes which are pressure welded to the PTC element and electrically connected thereto. The polymeric PTC composition is used to provide a circuit protection device having excellent environmental resistance properties, which exhibits a low resistance under normal operating conditions, and protects the circuit against the over-current even under large electric current and high voltage.

IPC 8 full level

**H01C 7/02** (2006.01); **H01C 7/13** (2006.01)

CPC (source: EP)

**H01C 7/027** (2013.01); **H01C 7/13** (2013.01)

Cited by

EP2578624A1; WO2013050543A1; US9249342B2

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**EP 0932166 A1 19990728**; **EP 0932166 B1 20070321**; DE 69837378 D1 20070503; DE 69837378 T2 20071129

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