

Title (en)
Conductive polymer composition

Title (de)
Leitfähige Polymerzusammensetzung

Title (fr)
Composition polymère conductrice

Publication
EP 0803879 A1 19971029 (EN)

Application
EP 97201655 A 19890915

Priority
• EP 89910755 A 19890915
• US 24705988 A 19880920

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.

IPC 1-7
H01C 7/02

IPC 8 full level
H05B 3/14 (2006.01); **C08K 3/02** (2006.01); **C08K 3/04** (2006.01); **C08L 101/00** (2006.01); **H01C 7/02** (2006.01)

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

Citation (search report)
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Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
WO 9003651 A1 19900405; AT E161354 T1 19980115; AT E262725 T1 20040415; CA 1334480 C 19950221; DE 68928502 D1 19980129; DE 68928502 T2 19980618; DE 68929517 D1 20040429; DE 68929517 T2 20050203; EP 0435923 A1 19910710; EP 0435923 B1 19971217; EP 0803879 A1 19971029; EP 0803879 B1 20040324; HK 1021613 A1 20000616; JP 2876549 B2 19990331; JP 2955281 B2 19991004; JP H04500745 A 19920206; JP H11144907 A 19990528; KR 100224945 B1 19991015; KR 900702544 A 19901207

DOCDB simple family (application)
US 8904010 W 19890915; AT 89910755 T 19890915; AT 97201655 T 19890915; CA 611894 A 19890919; DE 68928502 T 19890915; DE 68929517 T 19890915; EP 89910755 A 19890915; EP 97201655 A 19890915; HK 98114530 A 19981221; JP 22798498 A 19980812; JP 51015289 A 19890915; KR 900701040 A 19900519