

Title (en)  
CONDUCTIVE POLYMERS AND DEVICES CONTAINING THEM

Publication  
**EP 0123540 A3 19850102 (EN)**

Application  
**EP 84302717 A 19840419**

Priority  
US 48663383 A 19830420

Abstract (en)  
[origin: EP0123540A2] The properties of conductive polymer compositions, especially PTC compositions, are improved by incorporating therein a thermally conductive filler, preferably a filler of high aspect ratio, eg. crystalline graphite. Self-limiting heaters having greatly increased power can be produced through use of these compositions.

IPC 1-7  
**H01B 1/24**; **H05B 3/10**

IPC 8 full level  
**C08K 3/00** (2006.01); **C08K 3/02** (2006.01); **C08K 3/04** (2006.01); **C08L 7/00** (2006.01); **C08L 21/00** (2006.01); **C08L 23/00** (2006.01); **C08L 101/00** (2006.01); **H01B 1/12** (2006.01); **H01B 1/24** (2006.01); **H01C 7/02** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP)  
**H01B 1/24** (2013.01); **H01C 7/027** (2013.01); **H05B 3/146** (2013.01)

Citation (search report)

- DE 3012772 A1 19801009 - DOW CORNING
- GB 1444722 A 19760804 - HARRIS BARBARA JOAN [GB]
- DE 3135430 A1 19830324 - KUREHA CHEMICAL IND CO LTD [JP]
- US 4145227 A 19790320 - SEGAL LEON, et al
- EP 0099573 A1 19840201 - DIAMOND SHAMROCK CORP [US]

Cited by  
US4980541A; EP0287485A1; FR2614130A1; GB2173200A; GB2173200B; US5780820A; US4938820A; EP0732865A3; EP0365057A1; EP0197759A1; GB2363126A; ES2193818A1; GB2363126B; US5286952A; EP0803879A1; FR2574803A1; EP0191256A1; EP0192005A1; US4839114A; US7545941B2; US7313120B2; WO8806517A3; WO9003651A1; US7359674B2; US7697894B2; US7590097B2; US7492777B2

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

DOCDB simple family (publication)  
**EP 0123540 A2 19841031**; **EP 0123540 A3 19850102**; JP S59206441 A 19841122

DOCDB simple family (application)  
**EP 84302717 A 19840419**; JP 8100284 A 19840420