

Title (en)

ELECTRICAL DEVICE COMPRISING CONDUCTIVE POLYMERS

Title (de)

LEITFÄHIGE POLYMERE ENTHALTENDE ELEKTRISCHE ANORDNUNG

Title (fr)

DISPOSITIF ELECTRIQUE COMPRENANT DES POLYMERES CONDUCTEURS

Publication

EP 0390807 B1 19961120 (EN)

Application

EP 88909937 A 19880930

Priority

- US 8803377 W 19880930
- US 10298787 A 19870930
- US 11508987 A 19871030
- US 12469687 A 19871124

Abstract (en)

[origin: WO8903162A1] Circuit protection systems which comprise a PTC resistor (1) and a second resistor (6), e.g. a thick film resistor (6), which is thermally and electrically connected to the PTC resistor have a break current IB and a hold current IH such that the ratio IB/IH is at most 20. Suitable PTC resistors (1) are conductive polymer devices which comprise a PTC element (10) which has been radiation crosslinked under conditions such that the average dose rate is at most 3.0 Mrad/minute or during which no part of the PTC element (10) which is in contact with the electrodes (2, 3) reaches a temperature greater than (Tm-60) DEG C, where Tm is the melting point of the polymeric component of the conductive polymer (10).

IPC 1-7

H05B 1/02; **H01B 1/04**

IPC 8 full level

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CPC (source: EP KR)

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