

Title (en)  
ELECTRICAL DEVICE COMPRISING CONDUCTIVE POLYMERS

Publication  
**EP 0390807 A4 19910313 (EN)**

Application  
**EP 88909937 A 19880930**

Priority  

- US 8803377 W 19880930
- US 10298787 A 19870930
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- 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).

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IPC 8 full level  
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CPC (source: EP KR)  
**H05B 1/02** (2013.01 - KR); **H05B 3/146** (2013.01 - EP)

Citation (search report)  

- [X] EP 0198598 B1 19910717
- [A] EP 0220003 A2 19870429 - RAYCHEM CORP [US]
- See references of WO 8903162A1

Designated contracting state (EPC)  
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