

Title (en)

Electrical component with a restriction in a PTC polymer element

Title (de)

Elektrisches Bauteil mit einer Einschnürung in einem PTC-Polymerelement

Title (fr)

Composant électrique avec rétrécissement dans un élément PTC en polymère

Publication

EP 0977211 A3 20000531 (DE)

Application

EP 99810624 A 19990713

Priority

DE 19833609 A 19980725

Abstract (en)

[origin: EP0977211A2] An electrical component consists of a positive temperature coefficient (PTC) polymer element (1) with neck sections (2) at right angles to the main current direction (3). The opening angle of the neck section in the main current direction longitudinal plane is at least 100 degrees.

IPC 1-7

H01C 7/02

IPC 8 full level

H01C 7/02 (2006.01)

CPC (source: EP US)

H01C 7/028 (2013.01 - EP US)

Citation (search report)

- [AD] US 4317027 A 19820223 - MIDDLEMAN LEE M, et al
- [AD] DE 19626238 A1 19980102 - ABB RESEARCH LTD [CH]
- [A] US 3351882 A 19671107 - FRED KOHLER, et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19833609 A1 20000127; EP 0977211 A2 20000202; EP 0977211 A3 20000531; US 6259349 B1 20010710

DOCDB simple family (application)

DE 19833609 A 19980725; EP 99810624 A 19990713; US 36064499 A 19990726