

Title (en)  
LIMITER FOR CURRENT LIMITING

Title (de)  
LIMITER ZUR STROMBEGRENZUNG

Title (fr)  
LIMITEUR POUR LIMITATION DU COURANT

Publication  
**EP 0717876 A1 19960626 (DE)**

Application  
**EP 94924694 A 19940826**

Priority

- DE 9400986 W 19940826
- DE 4330607 A 19930909

Abstract (en)  
[origin: US5793278A] PCT No. PCT/DE94/00986 Sec. 371 Date Jun. 17, 1996 Sec. 102(e) Date Jun. 17, 1996 PCT Filed Aug. 26, 1994 PCT Pub. No. WO95/07540 PCT Pub. Date Mar. 16, 1995A current limiter with a controllable resistance which assumes a low value during rated service and a high value during a short-circuit disconnect. The current limiter includes a thermoplastic resistive member between two flat, metallic electrodes. Each of the flat metallic electrodes has a surface profile on the side facing the thermoplastic resistive member. The resistive member has a surface profile complementary to the surface profile on the adjacent surfaces of the flat electrodes. The flat electrodes and the resistive member are thereby inseparably connected, with the flat electrodes and the resistive member being pressed together by a pressure force. The interlocking of the surfaces results in an especially rapid readjustment of the limiter resistance from its high-resistance state during a short-circuit disconnect back to the low-resistance state during rated service.

IPC 1-7  
**H01C 1/14**; **H01C 17/28**

IPC 8 full level  
**H01C 1/14** (2006.01); **H01C 7/13** (2006.01); **H01C 17/28** (2006.01)

CPC (source: EP US)  
**H01C 1/14** (2013.01 - EP US); **H01C 1/1406** (2013.01 - EP US); **H01C 7/13** (2013.01 - EP US)

Citation (search report)  
See references of WO 9507540A1

Citation (examination)

- PATENT ABSTRACTS OF JAPAN vol. 13, no. 155 (E-743) 14. April 1989 & JP,A,63 312
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