

Title (en)  
LOW VOLTAGE CIRCUIT BREAKER WITH INTERRUPTION

Publication  
**EP 0206882 B1 19900905 (FR)**

Application  
**EP 86401190 A 19860603**

Priority  
FR 8509002 A 19850612

Abstract (en)  
[origin: ES8705157A1] A moulded case low voltage circuit breaker for high currents has no arcing contacts and is equipped with arc blow-out means drawing the arc very quickly away from the contacts. An insulating shield associated with the moving contact forms an arc formation chamber of a small volume which is open in the direction of the arc chute. The moving and stationary contacts are fitted with arcing horns constituting a small divergent path in proximity to the contacts favoring rapid displacement of the arc, this divergent path leading to an area defined by a hump of the horn. In this area, the clearance of the arcing horns is smaller than the clearance between the contacts as soon as the latter separate to avoid any rearing on these contacts.

IPC 1-7  
**H01H 9/34**; **H01H 9/46**

IPC 8 full level  
**H01H 73/02** (2006.01); **H01H 9/34** (2006.01); **H01H 9/46** (2006.01); **H01H 73/18** (2006.01); **H01H 1/22** (2006.01)

CPC (source: EP US)  
**H01H 9/34** (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US); **H01H 1/226** (2013.01 - EP US); **H01H 9/342** (2013.01 - EP US);  
**H01H 2009/305** (2013.01 - EP US); **H01H 2009/343** (2013.01 - EP US)

Cited by  
EP0345412A3; EP0358288A3; EP0358289A3; DE10222011C1; EP1085552A1; EP0410902A1; FR2650434A1; DE10222010C1; EP0306382A1;  
FR2619955A1; US4877929A; EP2383760A1; US9064648B2

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

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**EP 0206882 A1 19861230**; **EP 0206882 B1 19900905**; AT E56305 T1 19900915; AU 576726 B2 19880901; AU 5853986 A 19861218;  
CA 1267671 A 19900410; DE 3673887 D1 19901011; ES 555746 A0 19870501; ES 8705157 A1 19870501; FR 2583571 A1 19861219;  
FR 2583571 B1 19940218; JP H0719529 B2 19950306; JP S6271140 A 19870401; PT 82756 A 19860701; PT 82756 B 19900629;  
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ES 555746 A 19860605; FR 8509002 A 19850612; JP 13398886 A 19860611; PT 8275686 A 19860612; US 87052786 A 19860604;  
ZA 864285 A 19860609