

Title (en)  
CIRCUIT BREAKER, ESPECIALLY AN AUTOMATIC CUT-OFF SWITCH

Publication  
**EP 0123090 B1 19871111 (DE)**

Application  
**EP 84102605 A 19840309**

Priority  
DE 3311052 A 19830325

Abstract (en)  
[origin: US4585912A] A circuit breaker, and particularly, though not exclusively, an automatic cut-out or line-protective circuit breaker, which includes a housing, an electric arc chamber arranged within the housing, a fixed contact and a movable contact located in the arc chamber, a current supply line forming a U-shaped current loop with the contacts. The arc-extinguishing chamber incorporates arc-extinguishing plates for guiding the path of the arc into the electric arc chamber to the extinguishing chamber, and in which plates of a magnetically-conductive material extend in parallel with the plane of contact movement up to opening or breaking thereof, and extend from the contacts to the arc-extinguishing chamber, and a gas-emitting coating being provided on each of the plates and constituted of an electrically-insulating material which emits gas when heated.

IPC 1-7  
**H01H 73/18**

IPC 8 full level  
**H01H 73/18** (2006.01); **H01H 9/30** (2006.01); **H01H 9/34** (2006.01)

CPC (source: EP US)  
**H01H 9/346** (2013.01 - EP US); **H01H 9/302** (2013.01 - EP US)

Citation (examination)  
DE 2435698 B1 19760129

Cited by  
DE3908102A1; EP0189036A1; DE3443121A1; EP0586724A1; DE4007606A1

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

DOCDB simple family (publication)  
**US 4585912 A 19860429**; AT E30809 T1 19871115; DE 3311052 A1 19840927; DE 3467465 D1 19871217; DK 164616 B 19920720; DK 164616 C 19921207; DK 77184 A 19840926; DK 77184 D0 19840220; EP 0123090 A2 19841031; EP 0123090 A3 19850529; EP 0123090 B1 19871111; ES 286555 U 19851101; ES 286555 Y 19860601; JP H0247816 B2 19901023; JP S59181439 A 19841015; PT 78296 A 19840401; PT 78296 B 19860311; ZA 842159 B 19841031

DOCDB simple family (application)  
**US 59007184 A 19840315**; AT 84102605 T 19840309; DE 3311052 A 19830325; DE 3467465 T 19840309; DK 77184 A 19840220; EP 84102605 A 19840309; ES 286555 U 19840323; JP 5807284 A 19840326; PT 7829684 A 19840322; ZA 842159 A 19840323