

Title (en)  
Enclosed magnetothermal electric circuit breaker

Title (de)  
Gekapselter thermomagnetischer Schutzschalter

Title (fr)  
Disjoncteur magnétothermique enfermé

Publication  
**EP 1261008 A1 20021127 (EN)**

Application  
**EP 02011147 A 20020521**

Priority  
IT MI20011066 A 20010522

Abstract (en)  
An enclosed magnetothermal electric circuit breaker, comprising a containment body that contains a plurality of movable electrical contacts, which are in parallel and move synchronously, and of fixed contacts with corresponding arc quenching chambers, a mechanism for actuating the movable electrical contacts, a thermal tripping mechanism and an electrical protection device associated with a magnetic tripping mechanism, and a connection means for the external electrical connections. The actuation mechanism allows the movable electrical contacts to reach a stable position that is extremely close to the fixed contacts and then trip, from that position, onto the fixed contacts, closing the circuit breaker, regardless of the force and speeds applied to the actuation handle. <IMAGE>

IPC 1-7  
**H01H 71/52**

IPC 8 full level  
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CPC (source: EP)  
**H01H 71/525** (2013.01); **H01H 9/362** (2013.01); **H01H 71/2409** (2013.01); **H01H 77/108** (2013.01); **H01H 2300/048** (2013.01)

Citation (search report)

- [XY] DE 1130036 B 19620524 - SIEMENS AG
- [Y] DE 4442417 C1 19960215 - KLOECKNER MOELLER GMBH [DE]
- [X] EP 0773572 A1 19970514 - LEGRAND SA [FR], et al
- [X] US 3523261 A 19700804 - BIANCHI ACHILLE, et al
- [A] DE 1202888 B 19651014 - LICENTIA GMBH
- [A] EP 0977232 A2 20000202 - EATON CORP [US]

Cited by  
EP1677329A3; CN110233090A; CN112305414A; CN117452210A

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