

Title (en)
Circuit breaker.

Title (de)
Elektrischer Schutzschalter.

Title (fr)
Disjoncteur électrique.

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EP 0393566 A1 19901024 (FR)

Application
EP 90107229 A 19900417

Priority
FR 8905124 A 19890418

Abstract (en)
The invention relates to a circuit breaker with very rapid opening should a fault appear actuating the means (11, 27, 29) of unlocking a locking lever (25), without the true opening of the contacts being dependent upon a contact withdrawal time. This result is achieved by using a single spring (23) to separate the contacts (4, 5) during an opening of the circuit breaker, and to ensure, in the closed state, contact pressure. This spring (23) is fixed, on the one hand, to a pivoting support (14) of the moving contact (4) and to a pivoting platen (32) which, in the closed position of the circuit breaker, exerts a longitudinal bearing force on one end of a connecting rod (19) whose other end bears against a bearing surface (23) of the pivoting support. During automatic opening of the circuit breaker, the bearing of the connecting rod against the pivoting support (14) is broken and the force of the spring (23) immediately ensures the opening of the contacts. <IMAGE>

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H01H 71/52

IPC 8 full level
H01H 71/52 (2006.01)

CPC (source: EP)
H01H 71/526 (2013.01); **H01H 2300/048** (2013.01)

Citation (search report)
• [A] EP 0008558 A1 19800305 - LEGRAND SA [FR]
• [A] EP 0295158 A1 19881214 - MERLIN GERIN [FR]
• [A] EP 0143682 A1 19850605 - HAGER ELECTRO [FR]
• [A] EP 0046841 A1 19820310 - LICENTIA GMBH [DE]

Cited by
ES2047445A2; EP0708461A1

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EP 0393566 A1 19901024; EP 0393566 B1 19940810; DE 69011387 D1 19940915; DE 69011387 T2 19941215; ES 2060847 T3 19941201;
FR 2646015 A1 19901019; FR 2646015 B1 19910607

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