

Title (en)

Current-limiter electrical circuit breaker, with contact opening by electrodynamic repulsion.

Title (de)

Strombegrenzender elektrischer Schalter mit Kontaktöffnung durch elektrodynamische Abstossung.

Title (fr)

Disjoncteur électrique limiteur de courant avec ouverture des contacts par répulsion électrodynamique.

Publication

EP 0223272 A2 19870527 (EN)

Application

EP 86201744 A 19861008

Priority

IT 2345885 U 19851018

Abstract (en)

In a current-limiter electrical circuit breaker with contact opening by electrodynamic repulsion, comprising at least a couple of contacts inserted between a power supply terminal and a load terminal, the contact-holder arms of which form two branches substantially parallel and closely approached to each other, through which currents of opposite sign flow, a control mechanism kinematically linked to one of the two contact-holder arms through a compound toggle lever formed by two sectors and a spring suitable to pass from one side to the other side, and vice-versa, of a dead-point position, a blocking device for the locking of the control mechanism in its active position, and thermomagnetic devices suitable to act on a release device for the disengaging of said blocking device; the hinge connecting the two sectors of the compound toggle lever to each other is constituted by a limitedly sliding slot-pin coupling, and the second one of the two contact-holder arms is linked to said release device through a kinematic chain.

IPC 1-7

H01H 77/10

IPC 8 full level

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CPC (source: EP)

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Cited by

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