

Title (en)

Circuit breaker with an independant locking device of the movable contact.

Title (de)

Leistungsschalter mit unabhängiger Verklüpfungseinrichtung des bewegbaren Schaltkontaktes.

Title (fr)

Disjoncteur avec un dispositif d'encliquetage indépendant du contact mobile.

Publication

EP 0466287 B1 19950118 (DE)

Application

EP 91250158 A 19910613

Priority

DE 4022078 A 19900710

Abstract (en)

[origin: EP0466287A2] A circuit breaker has a trip device for the automatic separation of contacts (1, 6) and a locking device, which is independent of the trip device, for separating the contacts (1, 6) in the event of an erroneously high current. In addition to a trip shaft (31), which is required for the trip device, and a locking lever (27) interacting therewith, the independent locking device has an elongated hole (40) and a leaf spring (41) against which the trip shaft (31) can be displaced in the elongated hole (40). The trip shaft (31) is moved in the elongated hole (40) under the influence of an electrodynamic ejection force between the contacts (1, 6). At the same time, the locking surfaces (30, 31) slide off from one another. The locking device described is suitable for low-voltage circuit breakers of single-pin or multi-pin design which operate to limit the current. <IMAGE>

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H01H 71/10

IPC 8 full level

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CPC (source: EP)

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Cited by

US5933303A; DE10344318B3; DE10164517A1; DE10164517B4; EP0789380A1; FR2744563A1; US5731560A; WO9700531A1; WO2005029526A1

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