

Title (en)

Electromagnetic switchgear with electromagnetic drive.

Title (de)

Elektromagnetisches Schaltgerät mit elektromagnetischem Antrieb.

Title (fr)

Interrupteur électromagnétique avec entraînement électromagnétique.

Publication

EP 0287752 B1 19940928 (DE)

Application

EP 88100712 A 19880120

Priority

- DE 3713412 A 19870422
- DE 8705806 U 19870422

Abstract (en)

[origin: EP0287752A2] In known electromagnetic switchgear, the electromagnetic instantaneous release operates either via an intermediate lever or via a pretensioned latching mechanism on the contact link support, as a result of which the instantaneous release is delayed, so that the required safety against contact welding is not achieved. The invention therefore relates to producing a particularly compact structural arrangement of the electromagnetic drive and instantaneous release of such electromagnetic switchgear which, on the one hand, ensures that the contacts are opened without delay when the instantaneous release is operated, it also being necessary, however, to move only small masses to open the contact link without operating the instantaneous release. This is achieved by the electromagnetic instantaneous release (3) acting directly and without delay, without an intermediate member, on the contact link carrier (8) in the event of a high overload current (short-circuit current) and opening the contacts. <IMAGE>

IPC 1-7

H01H 50/64; **H01H 71/00**; **H01H 71/66**

IPC 8 full level

H01H 50/64 (2006.01); **H01H 71/00** (2006.01); **H01H 71/24** (2006.01); **H01H 71/66** (2006.01); **H01H 89/08** (2006.01); **H01H 71/46** (2006.01); **H01H 71/74** (2006.01)

CPC (source: EP)

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Cited by

EP0604985A1; DE19538057C1; FR2759489A1; US6034585A; FR2664426A1; US2009273419A1; FR2665572A1; US5252933A; AT404522B; WO9741579A1; WO9102370A3

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