

Title (en)

Electromagnetic trip device for an electrical circuit breaker

Title (de)

Elektromagnetischer Auslöser für ein elektrisches Schaltgerät

Title (fr)

Déclencheur électromagnétique pour un disjoncteur électrique

Publication

**EP 1045416 A3 20011212 (DE)**

Application

**EP 00106375 A 20000324**

Priority

DE 19915785 A 19990408

Abstract (en)

[origin: EP1045416A2] A plate (14) is situated on free sides of a U shaped yoke of a magnet (11) for the release of the plate (14) of an armature connected with the magnetic core (41). With occurrence of an overcurrent the disk armature pulls against the plate and releases switching lock. In case of short-circuit current, the magnetic armature (20) opens due to a strike of a pin (30) onto a contact location (33).

IPC 1-7

**H01H 71/24**; **H01H 71/34**

IPC 8 full level

**H01H 71/24** (2006.01); **H01H 71/34** (2006.01)

CPC (source: EP)

**H01H 71/2409** (2013.01); **H01H 71/2454** (2013.01); **H01H 71/2463** (2013.01); **H01H 71/34** (2013.01)

Citation (search report)

- [X] DE 3132194 A1 19830303 - DRUBIG HORST DIPL ING
- [X] DE 2348613 B1 19750320 - SIEMENS AG
- [A] US 5387892 A 19950207 - ROSSETTI GIAN P [IT], et al
- [A] DE 1024155 B 19580213 - VOIGT & HAEFFNER AG
- [A] DE 2616210 A1 19771103 - BBC BROWN BOVERI & CIE

Cited by

EP1473753A1; CN100392787C; CN103871791A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19915785 A1 20001012**; EP 1045416 A2 20001018; EP 1045416 A3 20011212; PL 339480 A1 20001009

DOCDB simple family (application)

**DE 19915785 A 19990408**; EP 00106375 A 20000324; PL 33948000 A 20000406