

Title (en)

Circuit breaker with automatic tripping, particularly protective switch and fault-current protective switch.

Title (de)

Schalter mit automatischer Auslösung, insbesondere Schutzschalter und Fehlerstromschutzschalter.

Title (fr)

Perfectionnements aux interrupteurs à coupure automatique, notamment aux disjoncteurs et disjoncteurs différentiels.

Publication

**EP 0403329 A1 19901219 (FR)**

Application

**EP 90401431 A 19900530**

Priority

FR 8908027 A 19890616

Abstract (en)

The appliance, of the phase + neutral protective switch kind, possesses a phase circuit and a neutral circuit electrically isolated by a central partition, the lock mechanism, of the type with toggle, comprising a manoeuvring member (31) actuating a connecting-rod (35) able to thrust back the contact(s)-holder (36) via a thrust surface (41) into a slot in the head of the contact(s)-holder, the contacts (11, 28) being positioned outside the contact(s)-holder possessing two downward foot-shaped extensions, a catch (49) normally keeping the connecting-rod bearing on the thrust surface, this catch being able to be released by a release lever (55) articulated at its centre, and driven by a tripping coil or a bimetallic strip, and driving the contact(s) with enhanced speed. <IMAGE>

IPC 1-7

**H01H 3/46**; **H01H 83/14**

IPC 8 full level

**H01H 71/52** (2006.01); **H01H 83/14** (2006.01); **H01H 71/00** (2006.01)

CPC (source: EP)

**H01H 71/526** (2013.01); **H01H 83/14** (2013.01); **H01H 71/002** (2013.01)

Citation (search report)

- [A] US 4656446 A 19870407 - CHIEN YUN-KO N [US], et al
- [A] DE 7632486 U1 19770127
- [A] DE 3007243 A1 19810903 - BBC BROWN BOVERI & CIE [DE]
- [A] EP 0218497 A1 19870415 - TELEMECANIQUE ELECTRIQUE [FR]

Cited by

EP1643530A1; CN108288552A; ES2047445A2; EP0570647A1; EP2717284A1; FR2996678A1; CN103715029A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI NL

DOCDB simple family (publication)

**EP 0403329 A1 19901219**; FR 2648615 A1 19901221; FR 2648615 B1 19910913

DOCDB simple family (application)

**EP 90401431 A 19900530**; FR 8908027 A 19890616