

Title (en)

Operating mechanism for a multipolar fault-current protective switch with a rotary crossbar

Title (de)

Betätigungsmechanismus für einen mehrpoligen Fehlerstromschutzschalter mit drehbarer Schaltwelle

Title (fr)

Mecanisme de commande d'un interrupteur différentiel multipolaire à barreau rotatif de commutation

Publication

EP 0602024 B1 19970723 (FR)

Application

EP 94420082 A 19940317

Priority

- EP 89420472 A 19891129
- FR 8816593 A 19881214

Abstract (en)

[origin: EP0377385A1] A differential interruptor (10) comprises a switch bar (32) arranged as a contact-holder rotary shaft (30, 26), a transformer-adder associated with a release relay (54) with automatic reset, and an operating mechanism (34) with handle (64) and lock (88). The end (74) of the link-rod (70) situated opposite the axle of articulation (72) of the toggle engages upon the establishment of the mechanical link with a first support stop (76) for the catch lever (78) and a second support stop for the switch bar (32). The relay (54) transmits the release command to the lock (88) via a release lever (98) associated with an intermediate mechanical amplifier. This results in a three-stage mechanism for multiplying down the forces between the relay (54) and the bar (32), this enabling the energy of release to be reduced. <IMAGE>

IPC 1-7

H01H 83/14; **H01H 71/52**

IPC 8 full level

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

CPC (source: EP)

H01H 71/52 (2013.01); **H01H 83/144** (2013.01)

Cited by

EP2280406A1; FR2948814A1

Designated contracting state (EPC)

BE DE ES GB IT

DOCDB simple family (publication)

EP 0377385 A1 19900711; **EP 0377385 B1 19950111**; DE 68920565 D1 19950223; DE 68920565 T2 19950817; DE 68928206 D1 19970904; DE 68928206 T2 19980115; EP 0602024 A2 19940615; EP 0602024 A3 19940914; EP 0602024 B1 19970723; ES 2069604 T3 19950516; ES 2106481 T3 19971101; FR 2640423 A1 19900615; FR 2640423 B1 19911004; PT 92560 A 19900629; PT 92560 B 19950912; ZA 899466 B 19900829

DOCDB simple family (application)

EP 89420472 A 19891129; DE 68920565 T 19891129; DE 68928206 T 19891129; EP 94420082 A 19940317; ES 89420472 T 19891129; ES 94420082 T 19891129; FR 8816593 A 19881214; PT 9256089 A 19891213; ZA 899466 A 19891212