

Title (en)

ACTUATING MECHANISM OF AN AUXILIARY TRIPPING BLOCK FOR A MODULAR CIRCUIT BREAKER

Publication

**EP 0331586 B1 19930707 (FR)**

Application

**EP 89420031 A 19890203**

Priority

FR 8802907 A 19880304

Abstract (en)

[origin: EP0331586A1] An auxiliary tripping block for a modular circuit-breaker comprises a tripping relay (18) and a plate (24), with catch (22), associated with an energy-storing spring (60). The plate (24) carries a lug (20) for transmitting the tripping order to the switching mechanism of the circuit-breaker, and an articulation spindle (28) for a tripping lever, this comprising a first arm interacting with the catch (32), and a second arm separated from the relay (18) by a resetting lever (44) mounted in free rotation on a spindle (46). The relay (18) serves to unlock the catch (32) so as to release the plate (24) which, under the relaxation of the spring (60), transmits the tripping force to the circuit-breaker and ensures the automatic resetting of the relay (18) by way of the resetting lever (44). The relay (18) of the actuating mechanism (12) of the auxiliary block requires a reduced tripping force. Applications: differential trip, with transmission MX and under-voltage MN. <IMAGE>

IPC 1-7

**H01H 83/20**

IPC 8 full level

**H01H 71/52** (2006.01); **H01H 71/40** (2006.01); **H01H 71/66** (2006.01); **H01H 73/50** (2006.01); **H01H 83/20** (2006.01); **H01H 71/04** (2006.01); **H01H 71/10** (2006.01); **H01H 83/12** (2006.01); **H01H 83/22** (2006.01)

CPC (source: EP)

**H01H 83/20** (2013.01); **H01H 71/04** (2013.01); **H01H 71/1072** (2013.01); **H01H 71/526** (2013.01); **H01H 83/12** (2013.01); **H01H 83/22** (2013.01); **H01H 2071/0278** (2013.01)

Cited by

EP1017080A3; EP0813219A1; EP1069586A3; EP0506220A3; US5459631A; EP0461027A1; FR2663153A1; EP3232459A1; FR3050313A1; US8547190B2; WO2010088875A1

Designated contracting state (EPC)

BE CH DE ES GB IT LI

DOCDB simple family (publication)

**EP 0331586 A1 19890906**; **EP 0331586 B1 19930707**; CN 1021168 C 19930609; CN 1036862 A 19891101; DE 68907424 D1 19930812; DE 68907424 T2 19940203; FR 2628262 A1 19890908; FR 2628262 B1 19950512; JP 2778974 B2 19980723; JP H0210622 A 19900116; ZA 891136 B 19891025

DOCDB simple family (application)

**EP 89420031 A 19890203**; CN 89101031 A 19890303; DE 68907424 T 19890203; FR 8802907 A 19880304; JP 5181789 A 19890303; ZA 891136 A 19890214