

Title (en)
OPERATING MECHANISM FOR A LOW-VOLTAGE MULTI-POLE CIRCUIT BREAKER

Publication
EP 0140761 B1 19870909 (FR)

Application
EP 84401961 A 19841001

Priority
FR 8317017 A 19831021

Abstract (en)
[origin: ES8506177A1] This invention relates to a circuit breaker operating mechanism. The base (70) of the handle (52) moves along grooves or edges (78, 80) on the fixed guiding part formed by the mechanism support plates (40, 42). The grooves (78, 80) determine the trajectory and the fictitious pivoting axis of the handle (52) accurately. Rollers (74, 76) are fitted between the base (70) and the grooves (78, 80) to reduce the friction forces. The switch bar (28) comprises a projection located close to each electrical auxiliary so as to give a remote indication of the state of the circuit breaker and to cause automatic resetting of the auxiliary releases following tripping.

IPC 1-7
H01H 71/52

IPC 8 full level
H01H 73/02 (2006.01); **H01H 71/52** (2006.01); **H01H 73/22** (2006.01); **H01H 71/46** (2006.01); **H01H 71/50** (2006.01); **H01H 83/20** (2006.01)

CPC (source: EP US)
H01H 71/525 (2013.01 - EP US); **H01H 71/46** (2013.01 - EP US); **H01H 71/503** (2013.01 - EP US); **H01H 71/521** (2013.01 - EP US);
H01H 83/20 (2013.01 - EP US)

Cited by
CN112951669A; FR2986366A1; WO0169627A2; WO2013114044A1

Designated contracting state (EPC)
AT BE CH DE GB IT LI NL SE

DOCDB simple family (publication)
EP 0140761 A2 19850508; EP 0140761 A3 19850619; EP 0140761 B1 19870909; AT E29620 T1 19870915; AU 3452484 A 19850426;
AU 571018 B2 19880331; CA 1253548 A 19890502; DE 3466125 D1 19871015; ES 536906 A0 19850616; ES 8506177 A1 19850616;
FR 2553929 A1 19850426; FR 2553929 B1 19860801; JP 2540483 B2 19961002; JP S60167227 A 19850830; US 4622529 A 19861111;
ZA 847863 B 19850529

DOCDB simple family (application)
EP 84401961 A 19841001; AT 84401961 T 19841001; AU 3452484 A 19841019; CA 464959 A 19841009; DE 3466125 T 19841001;
ES 536906 A 19841019; FR 8317017 A 19831021; JP 22033884 A 19841019; US 65719784 A 19841003; ZA 847863 A 19841008