

Title (en)
Actuating mechanism for electrical circuit breaker with big opening angle

Title (de)
Betätigungsmechanismus für elektrischen Schutzschalter mit grossen Öffnungswinkel

Title (fr)
Mécanisme de commande d'un disjoncteur à grand angle d'ouverture

Publication
EP 0798756 B1 20050504 (FR)

Application
EP 97410035 A 19970319

Priority
FR 9604276 A 19960329

Abstract (en)
[origin: EP0798756A1] A breakable mechanical link lies between the drive plate (16) and a small rod (56) coupled to a first lever (20) with the means (22) to transmit position or control information. The link is controlled by a release lever, driven by the control mechanism (40). A second means acts on the release lever to transmit energy or control information. The abutment (70) is separated with respect to the axis (42) of the contact arm (12) by a first radius, R1, and from the pivot (14) on which the plate rotates by a second radius, R2. The difference in radii produces an amplified angle of opening of the contact arm which is greater than the angular path of the plate.

IPC 1-7
H01H 71/52; H01H 71/50

IPC 8 full level
H01H 71/00 (2006.01); **H01H 71/50** (2006.01); **H01H 71/52** (2006.01)

CPC (source: EP)
H01H 71/503 (2013.01); **H01H 71/526** (2013.01)

Cited by
CN110120629A; CN104500494A; EP1975971A1; FR2914485A1; AU2008201424B2

Designated contracting state (EPC)
DE ES GB IT

DOCDB simple family (publication)
EP 0798756 A1 19971001; **EP 0798756 B1 20050504**; BR 9701509 A 19980630; BR 9701509 B1 20090505; BR PI9701509 B8 20160705; CN 1083611 C 20020424; CN 1164116 A 19971105; CZ 287559 B6 20001213; CZ 97097 A3 19981216; DE 69733168 D1 20050609; DE 69733168 T2 20060112; EA 000520 B1 19991028; EA 199700029 A1 19970930; ES 2242210 T3 20051101; FR 2746957 A1 19971003; FR 2746957 B1 19980619; HU 221673 B1 20021228; HU 9700618 D0 19970528; HU P9700618 A2 19980128; HU P9700618 A3 19991129; ID 16415 A 19970925; MY 123088 A 20060531; PL 184352 B1 20021031; PL 319151 A1 19971013; TR 199700248 A2 19990921; TR 199700248 A3 19990921; ZA 972539 B 19970929

DOCDB simple family (application)
EP 97410035 A 19970319; BR 9701509 A 19970326; CN 97104909 A 19970326; CZ 97097 A 19970328; DE 69733168 T 19970319; EA 199700029 A 19970328; ES 97410035 T 19970319; FR 9604276 A 19960329; HU P9700618 A 19970320; ID 971044 A 19970327; MY PI9701202 A 19970321; PL 31915197 A 19970325; TR 9700248 A 19970328; ZA 972539 A 19970325