

Title (en)

Automatic switches, in particular differential switches and circuit breakers.

Title (de)

Automatische Schalter, insbesondere Differential- und Schutzschaltern.

Title (fr)

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

Publication

EP 0325501 B1 19940720 (FR)

Application

EP 89400059 A 19890110

Priority

FR 8800596 A 19880120

Abstract (en)

[origin: EP0325501A1] Electrical apparatus with automatic cutoff, in particular a differential switch, circuit-breaker or differential circuit-breaker, of the type comprising, between a rotary operating member (31) and a rocking contact-holder (34), a lock mechanism with toggle and ratchet (50) consisting of a connecting-rod (42) articulated on the operating member (31), of a link-rod (44) articulated to the other end of the connecting-rod (42) and to the contact-holder (34), and of a release lever (47) articulated about a fixed axis and provided with a longitudinal slot in which the fulcrum pin (45) between connecting-rod and link-rod can slide, the ratchet being ratcheted on the release lever. The ratchet (50) comprises at least two distinct zones, such as fingers (53, 54, 56) actuated by respective release means. <IMAGE>

IPC 1-7

H01H 71/50; **H01H 83/22**

IPC 8 full level

H01H 71/50 (2006.01); **H01H 83/22** (2006.01); **H01H 71/10** (2006.01)

CPC (source: EP)

H01H 71/505 (2013.01); **H01H 83/226** (2013.01); **H01H 71/1072** (2013.01)

Cited by

CN103700547A; AU759790B2; CN108597965A; CN107808805A; EP0506503A1; FR2674679A1; EP2743947A1; FR2999793A1; US6472625B1; US9734960B2; WO2015043632A1; WO9962090A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL

DOCDB simple family (publication)

EP 0325501 A1 19890726; **EP 0325501 B1 19940720**; AT E108945 T1 19940815; DE 68916815 D1 19940825; DE 68916815 T2 19950316; ES 2057155 T3 19941016; FR 2626104 A1 19890721; FR 2626104 B1 19950524

DOCDB simple family (application)

EP 89400059 A 19890110; AT 89400059 T 19890110; DE 68916815 T 19890110; ES 89400059 T 19890110; FR 8800596 A 19880120