

Title (en)

SWITCHES WITH AUTOMATIC CIRCUIT BREAKING, ESPECIALLY IN DIFFERENTIAL SWITCHES AND CIRCUIT BREAKERS

Publication

EP 0176402 B1 19890517 (FR)

Application

EP 85401678 A 19850823

Priority

FR 8413744 A 19840906

Abstract (en)

[origin: EP0176402A1] 1. An electrical device with automatic circuit-breaking, comprising a base (27) of insulating material, a support (26) able to receive mechanical elements of the device and a break chamber (35) which is closed on all sides with the exception of an opening (36) for the passage of at least one movable contact (4) cooperating with a fixed contact (5) and which contains armatures (37) capable of creating a deionizing magnetic field on the separation movement of the contact studs (33, 34) or similar elements, of the fixed and movable contacts (5, 4), the support (26) and the base (27) being equipped with means for mutual pivoting, guiding and positioning (76, 77, 78, 79) such that the base (27) can be moved towards the support (26), brought into the final assembly position by pivoting in relation to the support (26) and held in this final position by means of a single screw (44), the whole being completed by a cover (47) surrounding the support (26) and mounted on the base (27), characterised in that the support (26) is a self-contained unit (26) of insulating material which receives the majority of the electrical and mechanical elements of the device before mounting on the base (27) and in which the break chamber (35) is formed, and in that the single screw (44) passes through the base (27) and is screwed tight in the unit (26).

IPC 1-7

H01H 71/02; **H01H 83/04**

IPC 8 full level

H01H 71/02 (2006.01); **H01H 83/04** (2006.01)

CPC (source: EP)

H01H 71/02 (2013.01); **H01H 71/0221** (2013.01); **H01H 83/04** (2013.01); **H01H 2071/0242** (2013.01)

Cited by

CN103474298A; FR2686453A1; AU2004265697B2; EP0325071A1; FR2626105A1; WO2005017935A1

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