

Title (en)
Electrical protection device with a circuit breaker and an effector

Title (de)
Elektrischer Schutzvorrichtung mit Lastschalter und Effektor

Title (fr)
Appareillage de protection électrique à disjoncteur et effecteur

Publication
EP 0649157 B1 19991215 (FR)

Application
EP 94410088 A 19941011

Priority
FR 9312406 A 19931015

Abstract (en)
[origin: EP0649157A1] An electrical protection device is formed by the association of a circuit breaker (12) having a first switching circuit (16) and of an effector (14) having a second switching circuit (18), which is connected to the fixed contact (20) by a first linking region (50), and to a change-over switching electrode (38) by a second linking region (42). An insulating gap (42) separates the electrode (38) from the fixed contact (20), and the moving contact (22) is connected to the input terminal (28) via the bimetallic thermal trigger (26). The electrode (38) is connected to one of the ends (34a) of the coil (34) of the electromagnetic trigger (36), the other end (34b) being linked to the output terminal (32). The effector (14) has no voltage applied in the open state of the circuit breaker. Excitation of the coil (34) is maintained during the phase of shunting of the effector (14) when the arc migrates on the change-over switching electrode (38). <IMAGE>

IPC 1-7
H01H 71/12

IPC 8 full level
H01H 71/12 (2006.01); **H01H 9/46** (2006.01); **H01H 89/06** (2006.01)

CPC (source: EP US)
H01H 71/121 (2013.01 - EP US); **H01H 9/465** (2013.01 - EP US); **H01H 89/06** (2013.01 - EP US); **H01H 2089/065** (2013.01 - EP US)

Cited by
FR2753001A1; CN102347177A

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EP 0649157 A1 19950419; **EP 0649157 B1 19991215**; CN 1045686 C 19991013; CN 1106162 A 19950802; DE 69422134 D1 20000120; DE 69422134 T2 20000615; ES 2140517 T3 20000301; FR 2711270 A1 19950421; FR 2711270 B1 19951124; US 5539365 A 19960723

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