

Title (en)
ELECTRICAL PROTECTION DEVICE

Title (de)
ELEKTRISCHE SCHUTZVORRICHTUNG

Title (fr)
DISPOSITIF DE PROTECTION ÉLECTRIQUE

Publication
EP 4092711 C0 20240103 (FR)

Application
EP 22174234 A 20220519

Priority
FR 2105285 A 20210520

Abstract (en)
[origin: CN115376845A] An electrical protection device (1) comprises: a slider (10) to which a movable contact (43) of an electrically conductive track (4) is attached; a contact spring (13) that drives the slider by applying a contact force (F13) to the movable contact; a switch controller (5); and a release (8). For miniaturization and quick tripping, the device (1) comprises a hook (15) supported by the slider and movable between a locked position which causes the configuration of the switch controller to be driven to the position of the slider and an unlocked position which allows the slider to move from the set position to the tripped position even if the switch controller is in the closed configuration. The trip causes the hook to turn over to an unlocked position, which is excited by a first type of electrical fault.

IPC 8 full level
H01H 83/20 (2006.01); **H01H 71/50** (2006.01); **H01H 71/52** (2006.01); **H01H 71/04** (2006.01); **H01H 71/16** (2006.01); **H01H 71/40** (2006.01); **H01H 83/22** (2006.01)

CPC (source: CN EP)
H01H 9/20 (2013.01 - CN); **H01H 71/505** (2013.01 - EP); **H01H 71/528** (2013.01 - EP); **H01H 71/04** (2013.01 - EP); **H01H 71/16** (2013.01 - EP); **H01H 71/405** (2013.01 - EP); **H01H 83/22** (2013.01 - EP); **H01H 2071/507** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
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