

Title (en)

DEVICE FOR DETECTING DIFFERENTIAL CURRENTS IN ELECTRIC SYSTEMS

Publication

**EP 0320928 A3 19900829 (EN)**

Application

**EP 88120978 A 19881215**

Priority

IT 2307187 A 19871217

Abstract (en)

[origin: EP0320928A2] This device, enclosed in a box-like body (1) associable with conventional switches (2) of the movable-contact type, comprises at least one pin (5) protruding from the container body and subject to translatory motion upon the onset of differential current in the electric system, said pin (5) being accommodated, after the coupling of the device to a switch, within a port (11) provided in the coupling wall of said switch. In the coupled position the pin is arranged substantially in contact with the contact release lever (6) of the switch. The movable pin is guided, in its releasing and resetting strokes along first cam guides (13) provided in the walls of the container body, while second cam guides (16) are provided having such a path as to allow the pin (5) to pass below the release lever (6) and then assume its correct resetting position, thus allowing the coupling operation without errors in positioning the pin (5) with respect to the release lever (6).

IPC 1-7

**H01H 83/22**

IPC 8 full level

**H01H 83/22** (2006.01)

CPC (source: EP)

**H01H 83/22** (2013.01)

Citation (search report)

- [A] FR 2373145 A1 19780630 - LICENTIA GMBH [DE]
- [A] EP 0196241 A1 19861001 - MERLIN GERIN [FR]
- [A] US 3858130 A 19741231 - MISENICK J
- [A] FR 2295553 A1 19760716 - SAPAREL [FR]
- [A] US 3784940 A 19740108 - DE TORRE J

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0320928 A2 19890621; EP 0320928 A3 19900829; IT 1223522 B 19900919; IT 8723071 A0 19871217**

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