

Title (en)
Electric switching device

Title (de)
Elektrische Schaltvorrichtung

Title (fr)
Dispositif de commutation électrique

Publication
EP 2455961 A1 20120523 (EN)

Application
EP 11185484 A 20111017

Priority
IT BG20100062 A 20101117

Abstract (en)
An electrical switching device suitable for connecting/disconnecting an electrical distribution source and an electrical load connected to an electrical circuit with a line voltage, comprising: - a first pole (2) and a second pole (3), each having a pair of contacts (4,5,8,9) which are mutually coupled to/decoupled from each other; - a differential protection device (50) comprising actuation means adapted to cause decoupling between first pole and second pole contacts. The differential protection device is configured in such a manner as to apply a supply voltage depending on the line voltage to the actuation means after the detection of a differential current higher than the predetermined threshold. The differential protection device is configured in such a manner as to interrupt the application of the supply voltage after the contact decoupling, regardless of the fact that the electrical source is connected upstream or downstream with respect to the contacts.

IPC 8 full level
H01H 83/22 (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP)
H01H 83/226 (2013.01); **H01H 71/2463** (2013.01)

Citation (search report)
• [X] EP 2085998 A1 20090805 - HAGER ELECTRO SAS SOC PAR ACTI [FR]
• [A] GB 2295275 A 19960522 - MATSUSHITA ELECTRIC WORKS LTD [JP]

Cited by
CN112243530A; EP3706153A4; EP3706154A4; AU2018363439B2; WO2019220022A1; WO2019122539A1; EP3188211A1; FR3046289A1; RU2719326C2; AU2019447727B2; WO2020240097A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2455961 A1 20120523; **EP 2455961 B1 20130828**; AU 2011239222 A1 20120531; AU 2011239222 B2 20160707; CN 102568967 A 20120711; CN 102568967 B 20160203; IT BG20100062 A1 20120518; NZ 595956 A 20130328

DOCDB simple family (application)
EP 11185484 A 20111017; AU 2011239222 A 20111019; CN 201110362182 A 20111115; IT BG20100062 A 20101117; NZ 59595611 A 20111025