

Title (en)
Electric switching device

Title (de)
Elektrische Schaltvorrichtung

Title (fr)
Dispositif de commutation électrique

Publication
EP 2509092 B1 20150805 (EN)

Application
EP 12162452 A 20120330

Priority
IT BG20110010 A 20110406

Abstract (en)
[origin: EP2509092A1] An electric switching device (1) for a low voltage electric circuit, comprising: - at least a first pole (2) having a first moving contact (4) which can be coupled to/decoupled from a corresponding first stationary contact (5), and a second pole (3) having a second moving contact (6), which can be coupled to/decoupled from a corresponding second stationary contact (7); - first detection means adapted to detect a differential current between said first and second poles (2, 3), said first detection means being configured to operate independently from the voltage of said electric circuit. The switching device comprises second detection means, which are adapted to detect an overcurrent flowing in at least one of said first and second poles (2, 3), and which comprise at least a current transformer (50) operatively connected to said at least one of said first and second poles (2, 3).

IPC 8 full level
H01H 83/22 (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP)
H01H 83/226 (2013.01); **H01H 71/125** (2013.01)

Citation (examination)
US 2006290454 A1 20061228 - MAS PATRICK [FR], et al

Cited by
EP3981980A4; EP3026443A1; CN105652065A; US9651580B2; US11572859B2; EP3764495A4

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

DOCDB simple family (publication)
EP 2509092 A1 20121010; EP 2509092 B1 20150805; IT BG20110010 A1 20121007

DOCDB simple family (application)
EP 12162452 A 20120330; IT BG20110010 A 20110406