

Title (en)

Device for protecting against overvoltages with parallel thermal disconnectors

Title (de)

Schutzvorrichtung gegen Überlastspannung mit parallelen Thermoabschaltern

Title (fr)

Dispositif de protection contre les surtensions à déconnecteurs thermiques dédoublés

Publication

EP 2375424 B1 20190605 (FR)

Application

EP 11161603 A 20110408

Priority

FR 1052734 A 20100409

Abstract (en)

[origin: EP2375424A1] The device has thermal disconnectors provided with two movable contacts e.g. conductor blade (44) and blade (64). One of the movable contacts moves from a closed position to an open position to disconnect an overvoltage protection component i.e. varistor (30), from an electrical installation. A heat-sensitive element i.e. fusible brazed joint, moves the movable contact from the closed position to the open position when the temperature of the component exceeds a predetermined threshold value. The movable contact is soldered to a pole (34) of the component using the brazed joint. An independent claim is also included for a cartridge comprising a case.

IPC 8 full level

H01C 7/12 (2006.01); **H01H 37/02** (2006.01); **H01H 37/32** (2006.01); **H01H 37/76** (2006.01)

CPC (source: EP US)

H01C 7/126 (2013.01 - EP US); **H01H 37/02** (2013.01 - US); **H01H 37/32** (2013.01 - US); **H01H 37/761** (2013.01 - US)

Citation (examination)

- DE 202009013505 U1 20100415 - PHOENIX CONTACT GMBH & CO [DE]
- DE 102008048644 A1 20100204 - DEHN & SOEHNE [DE]

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 2375424 A1 20111012; **EP 2375424 B1 20190605**; CN 102237163 A 20111109; CN 102237163 B 20160525; FR 2958787 A1 20111014; FR 2958787 B1 20120511; US 2012086539 A1 20120412; US 9007163 B2 20150414

DOCDB simple family (application)

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