

Title (en)

Device for protecting against voltage surges with mobile contact comprising selective disconnection means

Title (de)

Vorrichtung zum Schutz gegen Überspannungen mit Unterbrecherkontakt, der selektive Unterbrechungsmittel umfasst

Title (fr)

Dispositif de protection contre les surtensions à contact mobile comprenant des moyens de déconnexion sélectifs

Publication

EP 1953787 A3 20111012 (FR)

Application

EP 08354006 A 20080124

Priority

FR 0700708 A 20070201

Abstract (en)

[origin: EP1953787A2] The device (1) has an actuating mechanism (7) displacing a mobile arc switching electrode (60) to open electric contacts (4, 6). A thermal disconnecter (9) e.g. protective fuse, is connected in series between the electrode and a connecting lug (51). The disconnecter is disabled when an electric arc (100) is switched between connecting electrodes (40, 50). The disconnecter is passed from a closed electrical state to an open electric state when electrical short-circuit alternating current is passed into the disconnecter, where energy of current is lower than an energetic triggering threshold.

IPC 8 full level

H01H 83/10 (2006.01); **H02H 9/04** (2006.01); **H01H 9/14** (2006.01); **H01H 9/46** (2006.01)

CPC (source: EP US)

H01H 9/465 (2013.01 - EP US); **H01H 83/10** (2013.01 - EP US); **H01H 9/14** (2013.01 - EP US); **H01H 2071/044** (2013.01 - EP US)

Citation (search report)

- [XY] DE 4243314 A1 19940623 - ABB MANAGEMENT AG [CH]
- [Y] EP 1607995 A1 20051221 - SCHNEIDER ELECTRIC IND SAS [FR]
- [Y] FR 2846478 A1 20040430 - SCHNEIDER ELECTRIC IND SAS [FR]
- [A] EP 0504463 A1 19920923 - SIEMENS AG [DE]
- [AD] EP 0441722 B1 19941102 - MERLIN GERIN [FR]

Cited by

CN103198985A; EP2278605A1; FR2948490A1; IT202100028448A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 1953787 A2 20080806; **EP 1953787 A3 20111012**; **EP 1953787 B1 20160810**; AR 065122 A1 20090520; AU 2008200476 A1 20080821; AU 2008200476 B2 20101125; BR PI0800086 A 20080916; BR PI0800086 B1 20180918; CN 101236864 A 20080806; CN 101236864 B 20120926; ES 2602109 T3 20170217; FR 2912253 A1 20080808; FR 2912253 B1 20090306; RU 2008103879 A 20090810; RU 2446502 C2 20120327; US 2008186643 A1 20080807; ZA 200800238 B 20090429

DOCDB simple family (application)

EP 08354006 A 20080124; AR P080100411 A 20080131; AU 2008200476 A 20080131; BR PI0800086 A 20080131; CN 200810004987 A 20080131; ES 08354006 T 20080124; FR 0700708 A 20070201; RU 2008103879 A 20080131; US 765908 A 20080114; ZA 200800238 A 20080109