

Title (en)

Electric switching device with a thermal actuator

Title (de)

Elektrisches Schaltgerät mit einem thermischen Auslöser

Title (fr)

Commutateur électrique doté d'un déclencheur thermique

Publication

**EP 2256771 A3 20140618 (DE)**

Application

**EP 10162160 A 20100506**

Priority

DE 102009023556 A 20090530

Abstract (en)

[origin: EP2256771A2] The device has multiple arc chutes (5) provided with notches (8). An arc guide rail (9) comprises a rectangular section (10) facing an arc generation part (7). Another rectangular section (11) is adjacent to the former rectangular section. A trapezoidal side leg (12) is inclined to longitudinal axes of the former rectangular section, and extends far away from the longitudinal axes. The arc guide rail is connected with an arcing horn (34) with a fixed contact (3). Width of the former rectangular section is lower than width of the notches facing the arc generation part.

IPC 8 full level

**H01H 9/34** (2006.01); **H01H 9/46** (2006.01)

CPC (source: EP US)

**H01H 9/346** (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US)

Citation (search report)

- [I] JP S59117021 A 19840706 - MITSUBISHI ELECTRIC CORP
- [A] US 4628163 A 19861209 - MORI TEIJIRO [JP], et al
- [A] DE 69302599 T2 19960926 - SCHNEIDER ELECTRIC SA [FR]
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- [A] DE 10048328 A1 20020502 - AEG NIEDERSpannungSTECH GMBH [DE]
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- [A] DE 10335704 A1 20050303 - ABB PATENT GMBH [DE]

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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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

**EP 2256771 A2 20101201**; **EP 2256771 A3 20140618**; CA 2705897 A1 20101130; CN 201594482 U 20100929; DE 102009023556 A1 20101209; DE 102009023556 B4 20120119; US 2010301015 A1 20101202; US 8173926 B2 20120508

DOCDB simple family (application)

**EP 10162160 A 20100506**; CA 2705897 A 20100528; CN 200920178001 U 20090722; DE 102009023556 A 20090530; US 78762710 A 20100526