

Title (en)

Electrical installation device with pre-arc chamber, pre-arc chamber plates and current limiting arc extinguishing device

Title (de)

Elektrisches Installationsgerät mit Lichtbogen-Vorkammerraum, Vorkammerplatten und strombegrenzender Lichtbogenlöscheinrichtung

Title (fr)

Dispositif d'installation électrique avec préchambre d'extinction d'arc, séparateurs de préchambre et dispositif d'extinction d'arc à limitation de courant

Publication

**EP 1693869 A3 20090107 (DE)**

Application

**EP 06001077 A 20060119**

Priority

DE 102005007282 A 20050217

Abstract (en)

[origin: EP1693869A2] The device has a housing wall provided with cutouts which are accessible from outside in a region of arc prechamber plates. Iron plates (16, 18) are inserted into the cutouts to create an AC heavy-duty switching device. Permanent magnet plates are inserted into the cutouts to create a DC heavy duty switching device. Prechamber plates made of an insulating material are arranged on both broad sides of an arc prechamber area.

IPC 8 full level

**H01H 9/34** (2006.01); **H01H 9/44** (2006.01); **H01H 71/02** (2006.01)

CPC (source: EP US)

**H01H 9/346** (2013.01 - EP US); **H01H 9/443** (2013.01 - EP US); **H01H 9/446** (2013.01 - EP US); **H01H 11/0006** (2013.01 - EP US); **H01H 71/0214** (2013.01 - EP US); **H01H 2009/348** (2013.01 - EP US)

Citation (search report)

- [DY] EP 0251160 A2 19880107 - BBC BROWN BOVERI & CIE [DE]
- [Y] FR 2733352 A1 19961025 - SCHNEIDER ELECTRIC SA [FR]
- [A] US 4962406 A 19901009 - WALKER ROGER E [US], et al
- [A] DE 1926693 A1 19701126 - SIEMENS AG
- [A] US 3374332 A 19680319 - FRED BOULD
- [A] JP 2005019163 A 20050120 - SUMITOMO ELECTRIC INDUSTRIES

Cited by

EP2383761A1; EP2061051A1; FR2923649A1; EP1995747A3; EP1998350A3; FR2916571A1; US8519292B2; US7541902B2; WO2022238008A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1693869 A2 20060823**; **EP 1693869 A3 20090107**; CA 2536721 A1 20060817; CN 1835151 A 20060920; CN 1835151 B 20100512; DE 102005007282 A1 20060824; US 2006180576 A1 20060817; US 7259646 B2 20070821

DOCDB simple family (application)

**EP 06001077 A 20060119**; CA 2536721 A 20060216; CN 200610009012 A 20060216; DE 102005007282 A 20050217; US 35007006 A 20060209