

Title (en)

Electrical apparatus having a prechamber space, an arc runner and a current limiting arc quenching device

Title (de)

Elektrisches Installationsgerät mit Lichtbogen-Vorkammerraum, Lichtbogenleitschienen und strombegrenzender Lichtbogenlöscheinrichtung

Title (fr)

Appareil électrique avec un espace de préchambre, une tôle de conduction d'arc et un dispositif d'extinction d'arc pour limiter le courant

Publication

EP 1693870 A3 20090121 (DE)

Application

EP 06001079 A 20060119

Priority

DE 102005007303 A 20050217

Abstract (en)

[origin: EP1693870A2] The device has an insulating plate (20) used together with different arc-quenching devices, including a cutout (21) and end-side fixing clip. The clip engages in form of a U around an end section of an arc guide rail so that the plate is fixed in a latching manner to a component. The input section of the plate facing an arc prechamber area engages below an arcing horn that is arranged between two prechamber plates.

IPC 8 full level

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

CPC (source: EP US)

H01H 9/34 (2013.01 - EP US); **H01H 9/46** (2013.01 - EP US); **H01H 9/302** (2013.01 - EP US); **H01H 71/0207** (2013.01 - EP US); **H01H 2071/249** (2013.01 - EP US)

Citation (search report)

- [DY] DE 10242310 A1 20030710 - ABB PATENT GMBH [DE]
- [Y] WO 9701856 A1 19970116 - SQUARE D CO [US]
- [A] EP 0621615 A1 19941026 - SACE SPA [IT]
- [A] US 5834724 A 19981110 - ASAKAWA KOJI [JP], et al

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 1693870 A2 20060823; **EP 1693870 A3 20090121**; CA 2536726 A1 20060817; CN 1835150 A 20060920; CN 1835150 B 20100901; DE 102005007303 A1 20060824; DE 102005007303 B4 20130321; US 2006180575 A1 20060817; US 7247808 B2 20070724

DOCDB simple family (application)

EP 06001079 A 20060119; CA 2536726 A 20060216; CN 200610009008 A 20060216; DE 102005007303 A 20050217; US 35004606 A 20060209