

Title (en)

Arcing chamber of a high voltage circuit breaker with a heating volume receiving the arc extinguishing gases generated by the arc

Title (de)

Schaltkammer eines Hochspannungsschalters mit einem Heizvolumen zur Aufnahme von schaltlichtbogenerzeugtem Löschgas

Title (fr)

Chambre de coupure d'un disjoncteur haute tension avec un volume de chauffage recevant le gaz de soufflage généré par l'arc

Publication

EP 1826792 B1 20080903 (DE)

Application

EP 06405084 A 20060228

Priority

EP 06405084 A 20060228

Abstract (en)

[origin: EP1826792A1] The chamber (1) comprises contact arrangement (2), two arcing contacts (3,4) mobile along an axle (5), an insulating nozzle (6), an insulating secondary nozzle (11), a heating volume (7) and a heating channel (10). A section (12) of the heating channel flowing into the heating volume is bent inward against the axle. The angle of inclination (alpha) lies between 10 degrees and 30 degrees. An independent claim is also included for the high voltage switch.

IPC 8 full level

H01H 33/90 (2006.01); **H01H 33/70** (2006.01)

CPC (source: EP US)

H01H 33/7023 (2013.01 - EP US); **H01H 33/901** (2013.01 - EP US); **H01H 2033/888** (2013.01 - EP US)

Cited by

KR20190031307A; US10699862B2; WO2012139916A1; WO2016124175A1; WO2018015436A1

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

DOCDB simple family (publication)

EP 1826792 A1 20070829; **EP 1826792 B1 20080903**; AT E407442 T1 20080915; CN 101390179 A 20090318; CN 101390179 B 20111214; DE 502006001492 D1 20081016; JP 2009528653 A 20090806; US 2008314873 A1 20081225; WO 2007098619 A1 20070907

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EP 06405084 A 20060228; AT 06405084 T 20060228; CH 2007000056 W 20070206; CN 200780006881 A 20070206; DE 502006001492 T 20060228; JP 2008556627 A 20070206; US 20037908 A 20080828