

Title (en)

VACUUM BULB FOR AN ELECTRICAL PROTECTION APPARATUS, SUCH AS A SWITCH OR A CIRCUIT BREAKER

Title (de)

UNTERDRUCK-BIRNE FÜR EINE ELEKTRISCHE SCHUTZVORRICHTUNG WIE ETWA EINEN SCHALTER ODER EINEN UNTERBRECHERSCHALTER

Title (fr)

AMPOULE A VIDE POUR UN APPAREIL DE PROTECTION ELECTRIQUE TEL UN INTERRUPTEUR OU UN DISJONCTEUR

Publication

EP 1897107 B1 20120425 (FR)

Application

EP 06764739 A 20060606

Priority

- FR 2006001274 W 20060606
- FR 0506550 A 20050628

Abstract (en)

[origin: CA2612730A1] The invention relates to a vacuum bulb for an electrical protection apparatus, such as a switch or a circuit breaker. The inventive bulb comprises at least three screens (8, 9, 10) including a mid-potential screen (9) which is mounted between the two contacts (1, 2) and a partial screen (8, 10) which is disposed between the mid-potential screen (9) and one of the contacts (1, 2), the distance between the mid-potential screen (9) and the contacts (1, 2) being selected such that the electric field at the edge of the contact (1, 2) moves from the contact (1, 2) towards the surrounding partial screen (8, 10) (or vice versa from the partial screen towards the contact, as a function of the polarity of the voltage).

IPC 8 full level

H01H 33/66 (2006.01)

CPC (source: CN EP US)

H01H 33/66261 (2013.01 - CN EP US); **H01H 2033/66284** (2013.01 - CN EP US); **H01H 2033/66292** (2013.01 - CN EP US)

Cited by

RU2510094C2; US8847097B2; WO2011003719A1; EP3229254B1

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DOCDB simple family (publication)

FR 2887683 A1 20061229; AT E555490 T1 20120515; CA 2612730 A1 20070111; CA 2612730 C 20140429; CN 101208763 A 20080625; CN 104299838 A 20150121; EP 1897107 A1 20080312; EP 1897107 B1 20120425; JP 2008544470 A 20081204; JP 5095614 B2 20121212; US 2009095718 A1 20090416; US 8445804 B2 20130521; WO 2007003727 A1 20070111

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