

Title (en)

Vacuum tube for an electrical protection apparatus such as a switch or a circuit breaker

Title (de)

Vakuumröhre für elektrisches Schutzgerät wie z.B. einen Schalter oder einen Lastschalter

Title (fr)

Ampoule à vide pour un appareil de protection électrique tel un interrupteur ou un disjoncteur

Publication

EP 1376634 B1 20081217 (FR)

Application

EP 03354060 A 20030619

Priority

FR 0208033 A 20020627

Abstract (en)

[origin: EP1376634A1] A semi-annular conducting shield (11) is electrically connected around the periphery of a movable arcing contact (4) so as to withstand the electric field arising from the recovery voltage imposed by the power system after breaking. The physical continuity on the stationary and movable arcing contacts (3,4), is achieved by the rings arranged on the contact surface of the movable and stationary contacts, respectively.

IPC 8 full level

H01H 33/66 (2006.01); **H01H 33/664** (2006.01); **H01H 33/24** (2006.01)

CPC (source: EP US)

H01H 33/664 (2013.01 - EP US); **H01H 33/24** (2013.01 - EP US)

Cited by

CN107863266A; FR3056822A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1376634 A1 20040102; **EP 1376634 B1 20081217**; AT E418151 T1 20090115; CN 1312714 C 20070425; CN 1469405 A 20040121; DE 60325300 D1 20090129; ES 2316709 T3 20090416; FR 2841682 A1 20040102; FR 2841682 B1 20041210; US 2004000536 A1 20040101; US 6762388 B2 20040713

DOCDB simple family (application)

EP 03354060 A 20030619; AT 03354060 T 20030619; CN 03148410 A 20030627; DE 60325300 T 20030619; ES 03354060 T 20030619; FR 0208033 A 20020627; US 45755403 A 20030610