

Title (en)

ARC QUENCHING DEVICE FOR ELECTRIC APPARATUS WITH GAS INSULATION

Publication

**EP 0183755 B1 19880831 (FR)**

Application

**EP 85902573 A 19850605**

Priority

FR 8409056 A 19840608

Abstract (en)

[origin: WO8600169A1] Arc quenching device for electric apparatus insulated with SF 6. A divisional breaking chamber (18) comprises a wall (58) with a convex lateral surface of revolution, particularly spherical, at right angle to the separation area (62) of the contacts (20, 22) so as to form an acoustical resonator with centripetal reflection of pressure waves, thereby generating a convergence of gases towards the centre of the sphere. At least one of the contacts is hollow and forms an exhaust conduit (40, 42) for the gases of the breaking chamber (18) towards a discharge chamber (48). Application: self-expansion SF 6 breaker.

IPC 1-7

**H01H 33/98**

IPC 8 full level

**H01H 33/04** (2006.01); **H01H 33/98** (2006.01)

CPC (source: EP US)

**H01H 33/982** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

**FR 2565731 A1 19851213**; CA 1239432 A 19880719; DE 3564744 D1 19881006; EP 0183755 A1 19860611; EP 0183755 B1 19880831; JP S61502645 A 19861113; US 4697055 A 19870929; WO 8600169 A1 19860103

DOCDB simple family (application)

**FR 8409056 A 19840608**; CA 483464 A 19850607; DE 3564744 T 19850605; EP 85902573 A 19850605; FR 8500141 W 19850605; JP 50247885 A 19850605; US 84186686 A 19860204