

Title (en)

Interrupter tube and circuit breaker equipped with such an interrupter tube

Title (de)

Unterbrechungskammer und Sicherungsautomat, der mit einer solchen Unterbrechungskammer ausgestattet ist

Title (fr)

Chambre de coupure et disjoncteur équipé d'une telle chambre de coupure

Publication

EP 1995747 B1 20131218 (FR)

Application

EP 08354024 A 20080327

Priority

FR 0703632 A 20070522

Abstract (en)

[origin: EP1995747A2] The tube (4) has an arc-formation chamber (11) including a deviation section (51) provided between a reinforced magnetic induction section (31) and an arc-control chamber (21). The section (31) has permanent magnet parts that generate a magnetic field in a median longitudinal plane (10) to drive an electric arc. The parts have magnetized fractions (32, 33) arranged behind inserts (12, 13) that are made of ceramic and gasogene organic material, respectively. The section (51) has permanent magnet parts (52) that generate a reduced magnetic field for deviating the arc with respect to the plane.

IPC 8 full level

H01H 9/34 (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP US)

H01H 9/346 (2013.01 - EP US); **H01H 9/443** (2013.01 - EP US); **H01H 2009/348** (2013.01 - EP US)

Cited by

EP2189996A1; FR2938969A1; DE102017212033A1; US8742278B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1995747 A2 20081126; **EP 1995747 A3 20100303**; **EP 1995747 B1 20131218**; CN 101312098 A 20081126; CN 101312098 B 20120208; ES 2444700 T3 20140226; FR 2916571 A1 20081128; FR 2916571 B1 20090911; RU 2008120250 A 20091127; RU 2451358 C2 20120520; US 2008290068 A1 20081127; US 7541902 B2 20090602

DOCDB simple family (application)

EP 08354024 A 20080327; CN 200810097147 A 20080519; ES 08354024 T 20080327; FR 0703632 A 20070522; RU 2008120250 A 20080521; US 8156108 A 20080417