

Title (en)

Arc chamber for a medium- or high-voltage circuit breaker with reduced operating energy

Title (de)

Unterbrechungskammer eines Schutzschalters für Hoch- und Mittelspannung mit reduzierter Bedienungsenergie

Title (fr)

Chambre de coupure pour disjoncteur à moyenne ou haute tension à énergie de manoeuvre réduite

Publication

EP 2402969 B1 20130529 (FR)

Application

EP 11172006 A 20110629

Priority

FR 1055323 A 20100701

Abstract (en)

[origin: EP2402969A1] The device has a pair of movable arc contacts (5, 6), and a compression chamber whose volume (V1) varies and opens in a blowing chamber under action of a blowing-piston (60). One of the arc contacts is indirectly linked to an operating rod by mechanical transmission units for obtaining a value of ratio of displacement speed of the movable arc contact and the operating rod greater than 1. The blowing chamber is integrated to the movable arc contact and a permanent arc contact (3), and a contact carrier tube (8) provides current to the permanent arc contact while movable arc contact is fixed.

IPC 8 full level

H01H 33/90 (2006.01)

CPC (source: EP)

H01H 33/90 (2013.01); **H01H 2033/028** (2013.01); **H01H 2033/907** (2013.01); **H01H 2033/908** (2013.01)

Cited by

CN112635230A; CN113782364A; AU2014210106B2; RU2619272C2; FR3038448A1; CN109346370A; EP2851919A1; CN104465201A; US9208966B2; WO2014114484A1; WO2015028349A1; US9460873B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2402969 A1 20120104; EP 2402969 B1 20130529; FR 2962252 A1 20120106; FR 2962252 B1 20130830

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