

Title (en)

H.T. self-blast circuit breaker having an arc chamber with reduced gas compression

Title (de)

Hochspannung selbst-Blaslastscharter mit Schnittkammer mit reduzierter Gaskompression

Title (fr)

Disjoncteur à haute tension à auto-soufflage ayant une chambre de coupure à compression de gaz réduite

Publication

**EP 0591039 B1 19960710 (FR)**

Application

**EP 93402358 A 19930927**

Priority

FR 9211588 A 19920929

Abstract (en)

[origin: EP0591039A1] A self-blast circuit breaker comprising a movable assembly including an arc chamber in two parts consisting of a blast chamber (17) and of a compression chamber (18). The two chambers are separated from one another by a crown (9). The compression chamber (18) is closed by a semi-movable piston (11). The circuit breaker is characterised by a means for immobilising the piston during a first part of the movement of the movable contact assembly between a closing position and an opening position and by a means for axially displacing the piston with the movable contact assembly during a second part of this displacement. This makes it possible to reduce the quantity of energy necessary for displacing the movable contact assembly during the opening operation. <IMAGE>

IPC 1-7

**H01H 33/91**

IPC 8 full level

**H01H 33/90** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP)

**H01H 33/905** (2013.01)

Cited by

EP0684622A1; EP2278604A1; FR2817654A1; FR2761520A1; EP0664552A1; EP0701264A1; FR2724259A1; EP0795883A1; FR2745947A1; US5780799A; EP0807946A1; FR2748598A1; US5898150A; EP0895262A1; FR2766609A1; US5939692A; EP0845796A1; FR2756413A1; US5859399A; FR2720188A1; US5600111A; AU693174B2; CN1074163C; US7964816B2; US8044318B2; EP2045827A1

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