

Title (en)
Electric vacuum interrupter

Title (de)
Elektrischer Vakuumschalter

Title (fr)
Interrupteur électrique sous vide

Publication
EP 0709867 B1 20011205 (FR)

Application
EP 95116884 A 19951026

Priority
FR 9413408 A 19941031

Abstract (en)
[origin: EP0709867A1] The circuit breaker (I) includes an upper static disc (4) and a lower moving disc (5) which are mounted in the upper part of a sealed vacuum unit (1). The lower part of the unit contains the command push rod mechanism. The outside of the unit around the disc circuit breakers has a coil activator (2). The coil has two extension pieces (2a,2b) which curve round to connect to an extension (8) from the upper disc. The extension pieces are separated by a gap, which has a magnetic circuit (7) inserted. When the circuit breaker operates part of the arcing current passes through this extension section, reducing arcing problems.

IPC 1-7
H01H 33/66; **H01H 33/18**

IPC 8 full level
H01H 33/66 (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP US)
H01H 33/6641 (2013.01 - EP US)

Cited by
EP4170692A4; DE19809828C1; US6373675B1; NL1017985C2; EP0794545A1; FR2745946A1; US5877466A; US7038157B2; WO03056591A1

Designated contracting state (EPC)
DE ES FR GB IT NL

DOCDB simple family (publication)
EP 0709867 A1 19960501; **EP 0709867 B1 20011205**; CN 1075663 C 20011128; CN 1130797 A 19960911; DE 69524363 D1 20020117; DE 69524363 T2 20020814; ES 2167397 T3 20020516; FR 2726396 A1 19960503; FR 2726396 B1 19961213; JP H08212881 A 19960820; US 5861597 A 19990119

DOCDB simple family (application)
EP 95116884 A 19951026; CN 95118524 A 19951031; DE 69524363 T 19951026; ES 95116884 T 19951026; FR 9413408 A 19941031; JP 27911295 A 19951026; US 54338995 A 19951016