

Title (en)
Power switch

Title (de)
Leistungsschalter

Title (fr)
Sectionneur de puissance

Publication
EP 0800190 B1 20000830 (DE)

Application
EP 97810126 A 19970306

Priority
DE 19613569 A 19960404

Abstract (en)
[origin: EP0800190A1] The circuit breaker (1) has a cylindrical arc-quenching chamber extending along a central axis (2) and filled with gaseous insulation, preferably sulphur hexafluoride. Axially spaced fixed contacts in the current path are connected together by a movable bridging contact. The arc region (24) between the fixed contacts is swept by gas transferred under pressure from the injection channels. For circuit-breaking the axial pin (3) is driven at a speed between 10 and 20 m/s. It is joined by a linkage to movable contacts so that these move at a lower speed.

IPC 1-7
H01H 33/70

IPC 8 full level
H01H 33/70 (2006.01); **H01H 33/90** (2006.01); **H01H 33/91** (2006.01); **H01H 33/915** (2006.01); **H01H 33/12** (2006.01); **H01H 33/18** (2006.01); **H01H 33/82** (2006.01)

CPC (source: EP KR US)
H01H 33/80 (2013.01 - KR); **H01H 33/901** (2013.01 - EP US); **H01H 33/904** (2013.01 - EP US); **H01H 33/12** (2013.01 - EP US); **H01H 33/18** (2013.01 - EP US); **H01H 33/7038** (2013.01 - EP US); **H01H 33/82** (2013.01 - EP US); **H01H 2033/908** (2013.01 - EP US)

Cited by
EP0951029A3; EP0836209A3; CN117558579A

Designated contracting state (EPC)
CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0800190 A1 19971008; EP 0800190 B1 20000830; CA 2200388 A1 19971004; CA 2200388 C 20050104; CN 1087480 C 20020710; CN 1167993 A 19971217; DE 19613569 A1 19971009; DE 59702266 D1 20001005; JP H1031944 A 19980203; KR 100445851 B1 20041014; KR 970071884 A 19971107; RU 2189656 C2 20020920; UA 42020 C2 20011015; US 5902978 A 19990511

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EP 97810126 A 19970306; CA 2200388 A 19970319; CN 97111216 A 19970404; DE 19613569 A 19960404; DE 59702266 T 19970306; JP 8537997 A 19970403; KR 19970012423 A 19970403; RU 97105366 A 19970401; UA 97041564 A 19970402; US 83229097 A 19970403