

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Disjoncteur

Publication
EP 0800191 A3 20001018 (DE)

Application
EP 97810118 A 19970303

Priority
DE 19613568 A 19960404

Abstract (en)
[origin: EP0800191A2] The circuit breaker has at least one cylindrical extinguishing chamber filled with an insulating medium. The chamber extends along a central axis (2) and has a conductive current path. Two fixed burn away contact arrangements (5,6) are arranged on the central axis (2) in the current path, spaced apart from each other in the axial direction. A movable bridge contact conductively connects the burning contacts (5,6) in the on state. An arc zone (24) is provided between the fixed contacts (5,6). This has a nominal current path, with movable nominal current contacts, arranged parallel to the conductive current path. The bridging contact is arranged inside the burning contact arrangements (5,6) extending along the central axis (2).

IPC 1-7
H01H 33/91; **H01H 33/12**; **H01H 33/70**

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

CPC (source: EP KR US)
H01H 9/30 (2013.01 - KR); **H01H 33/12** (2013.01 - EP US); **H01H 33/7038** (2013.01 - EP US); **H01H 33/18** (2013.01 - EP US);
H01H 33/91 (2013.01 - EP US)

Citation (search report)

- [XA] CH 611452 A5 19790531 - ITE IMPERIAL CORP [US]
- [A] US 3947649 A 19760330 - HERTZ WALTER
- [A] DE 3435967 A1 19860306 - BBC BROWN BOVERI & CIE [CH]
- [A] DE 2413958 B1 19750619
- [A] EP 0599742 A1 19940601 - MERLIN GERIN [FR]
- [A] GB 517622 A 19400205 - REYROLLE A & CO LTD, et al

Cited by
EP0951038A1; DE10204042B4; EP0982748A1; US9230750B2; US6259050B1; WO9953512A1; EP2608220A1

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

DOCDB simple family (publication)
EP 0800191 A2 19971008; **EP 0800191 A3 20001018**; **EP 0800191 B1 20040506**; CA 2199350 A1 19971004; CA 2199350 C 20050913; CN 1068136 C 20010704; CN 1170948 A 19980121; DE 19613568 A1 19971009; DE 59711587 D1 20040609; DE 59712446 D1 20051117; EP 1359597 A2 20031105; EP 1359597 A3 20040128; EP 1359597 B1 20051012; JP 4297993 B2 20090715; JP H1031945 A 19980203; KR 100434927 B1 20040908; KR 970071877 A 19971107; RU 2189657 C2 20020920; UA 42021 C2 20011015; US 5929409 A 19990727

DOCDB simple family (application)
EP 97810118 A 19970303; CA 2199350 A 19970306; CN 97110235 A 19970403; DE 19613568 A 19960404; DE 59711587 T 19970303; DE 59712446 T 19970303; EP 03015962 A 19970303; JP 8538097 A 19970403; KR 19970012422 A 19970403; RU 97105392 A 19970403; UA 97041566 A 19970402; US 82581797 A 19970403