

Title (en)
Circuit breaker

Title (de)
Leistungsschalter

Title (fr)
Disjoncteur

Publication
EP 0951042 A3 20000517 (DE)

Application
EP 99810241 A 19990318

Priority
DE 19816506 A 19980414

Abstract (en)
[origin: EP0951042A2] The power switch comprises at least one burn-up switching arrangement which comprises two parts, and an arc chamber (5) between the switching parts. An exhaust (9) connects the arc chamber with an exhaust volume (8). At least one pressure chamber (6) is connected over the arc chamber with the exhaust. At least one explosive charge (10) is triggered at a switch-off, and is, at least partially converted into a gas. The power switch comprises at least one burn-up switching arrangement which comprises a first switching part and a second switching part, movable along a switching axis (2) between an on position, in which it touches the first switching part, and an off position, in which it is in a distance from it in axial direction, releasing an arc chamber (5) between the switching parts. At least one exhaust (9) connects the arc chamber with at least one exhaust volume (8). At least one pressure chamber (6) is connected over the arc chamber with the, at least one exhaust. At least one explosive charge (10) is triggered at a switch-off, and is, at least partially converted into an extinguishing gas current.

IPC 1-7
H01H 39/00

IPC 8 full level
H01H 33/91 (2006.01); **H01H 39/00** (2006.01); **H01H 33/70** (2006.01)

CPC (source: EP US)
H01H 39/00 (2013.01 - EP US); **H01H 33/70** (2013.01 - EP US)

Citation (search report)
• [XY] FR 921806 A 19470520
• [Y] DE 8303559 U1 19830818
• [Y] US 2526448 A 19501017 - AMUNDSON ROALD H, et al
• [Y] GB 742727 A 19560104 - VACLAV HUSA, et al
• [X] DE 550338 C 19320514 - SIGWART RUPPEL DIPL ING
• [A] DE 928658 C 19550606 - LICENTIA GMBH
• [DA] DE 3537314 A1 19870402 - BBC BROWN BOVERI & CIE [CH]

Cited by
EP3780059A4; WO2009012788A1; US9230750B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0951042 A2 19991020; EP 0951042 A3 20000517; EP 0951042 B1 20060524; CN 1165932 C 20040908; CN 1232279 A 19991020; DE 19816506 A1 19991021; DE 19816506 B4 20080430; DE 59913448 D1 20060629; JP H11329192 A 19991130; US 6107590 A 20000822

DOCDB simple family (application)
EP 99810241 A 19990318; CN 99104857 A 19990414; DE 19816506 A 19980414; DE 59913448 T 19990318; JP 10683399 A 19990414; US 29017999 A 19990413