Title (en)

Circuit breaker

Title (de)

Leistungsschalter

Title (fr)

Disjoncteur

Publication

EP 1124243 A3 20020508 (DE)

Application

EP 01810092 A 20010130

Priority

DE 10006167 A 20000211

Abstract (en)

[origin: DE10006167A1] Power switch comprises an explosion chamber (2) with a driving linkage (4) which operates an operating pin (14) and nominal current contacts (11). The linkage is arranged so that at the start of the start of the disconnecting process the operating pin remains in a first dead center position until the nominal current path is broken. The operating pin is then moved into the switching direction at a higher average speed than the nominal current contacts which run against the ends of its disconnecting dispersion into a second dead center position. The operating pin reaches its disconnecting position only after the nominal current contacts have ended their disconnecting movement. Preferred Features - At the start of the switching process, the nominal current contacts remain in the second dead center position until the pre-ignition of the arc on closure is carried out.

IPC 1-7

H01H 33/90

IPC 8 full level

H01H 33/32 (2006.01); **H01H 33/42** (2006.01); **H01H 33/90** (2006.01); **H01H 33/915** (2006.01); H01H 33/91 (2006.01)

CPC (source: EP US)

H01H 33/904 (2013.01 - EP US); H01H 33/91 (2013.01 - EP US)

Citation (search report)

- [DA] DE 19613568 A1 19971009 - ASEA BROWN BOVERI [CH]
- [DA] DE 19613569 A1 19971009 - ASEA BROWN BOVERI [CH]

Cited by

AU2014210198B2; US6099517A; US9748059B2; WO2014114482A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1124243 A2 20010816; **EP 1124243 A3 20020508**; **EP 1124243 B1 20031210**; AT E256334 T1 20031215; CN 1165933 C 20040908; CN 1310460 A 20010829; DE 10006167 A1 20010906; DE 10006167 B4 20090723; DE 50101099 D1 20040122; JP 2001250459 A 20010914; JP 4492991 B2 20100630; RU 2256975 C2 20050720; US 2001025827 A1 20011004; US 6429394 B2 20020806

DOCDB simple family (application)

EP 01810092 A 20010130; AT 01810092 T 20010130; CN 01116300 A 20010210; DE 10006167 A 20000211; DE 50101099 T 20010130; JP 2001032530 A 20010208; RU 2001103923 A 20010209; US 78050801 A 20010212