

Title (en)

Circuit breaker with double arc lengthening for switching currents with a high DC component.

Title (de)

Lastschalter mit doppelter Lichtbogenverlängerung zum Auslösen von Strömen mit grosse Gleichstromkomponente.

Title (fr)

Disjoncteur à double allongement d'arc pour la coupure des courants à grande composante continue.

Publication

**EP 0627751 A1 19941207 (FR)**

Application

**EP 94401207 A 19940601**

Priority

FR 9306661 A 19930603

Abstract (en)

Circuit breaker with insulation and blowing by gas with good dielectric properties, comprising, for each pole, at least one sealed insulating casing filled with the said gas under pressure, and containing a fixed assembly comprising a contact for the permanent current to pass and an arc contact, and a movable assembly actuated by an insulating rod linkage passing in a sealed way through a wall of the said casing, the said moving assembly further comprising a contact for the permanent current to pass, an arc contact, a blowing cylinder including a blowing piston, and a blowing nozzle, characterised in that the fixed (50, 51) and movable (14, 57, 60) arc contacts are produced in such a way that at least a portion of the latter are traversed by the current in the opposite direction of the arc current. <IMAGE>

IPC 1-7

**H01H 33/91**; **H01H 33/18**

IPC 8 full level

**H01H 33/18** (2006.01); **H01H 33/915** (2006.01); **H01H 33/00** (2006.01); **H01H 33/91** (2006.01)

CPC (source: EP)

**H01H 33/18** (2013.01); **H01H 33/006** (2013.01); **H01H 33/91** (2013.01)

Citation (search report)

- [Y] EP 0039523 A1 19811111 - BBC BROWN BOVERI & CIE [CH]
- [Y] DE 7617505 U1 19800207
- [A] DE 9016830 U1 19910228
- [DA] FR 2681724 A1 19930326 - ALSTHOM GEC [FR]

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

**EP 0627751 A1 19941207**; FR 2706073 A1 19941209; FR 2706073 B1 19950707

DOCDB simple family (application)

**EP 94401207 A 19940601**; FR 9306661 A 19930603