

Title (en)

High tension gas blast circuit-breaker.

Title (de)

Hochspannungs-Lastschalter mit gasförmigem Dielektrikum zum Beblasen.

Title (fr)

Disjoncteur à haute tension à gaz dielectrique de soufflage.

Publication

**EP 0400523 A1 19901205 (FR)**

Application

**EP 90110056 A 19900528**

Priority

FR 8907179 A 19890531

Abstract (en)

The invention relates to a high-tension circuit breaker insulated with dielectric self-blasting gas. <??>The circuit breaker comprising, inside a sealed insulating envelope filled with dielectric gas: - a fixed assembly comprising in particular a stationary main contact and a stationary arc contact, - a moving assembly driven by a manoeuvring linkage and comprising in particular a moving main contact and a moving arc contact, - a blasting volume prolonged by a blasting nozzle, - a blasting piston, - a pair of secondary contacts arranged in a first volume and intended to generate a secondary arc, is characterised in that it comprises first means of reducing the risks of untimely sparking due to the secondary arc and which consist of a jacket (25A) made of an insulating material and extending in line with the secondary contacts (41, 42) and in sliding contact with at least part of one (41) of the secondary contacts, the said jacket carrying longitudinal grooves (45) on the said secondary contact (41) side. <??>Application to high-tension circuit breakers. <IMAGE>

IPC 1-7

**H01H 33/95**

IPC 8 full level

**H01H 33/90** (2006.01); **H01H 33/915** (2006.01)

CPC (source: EP US)

**H01H 33/903** (2013.01 - EP US)

Citation (search report)

- [A] DE 3344094 A1 19850613 - SIEMENS AG [DE]
- [A] FR 2610763 A1 19880812 - ALSTHOM [FR]
- [A] GB 1178948 A 19700121 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] FR 2576144 A1 19860718 - ALSTHOM ATLANTIQUE [FR]

Cited by

US6207918B1; WO9801877A1

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AT BE CH DE DK ES FR GB GR IT LI LU NL SE

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**EP 0400523 A1 19901205; EP 0400523 B1 19950315**; AT E120031 T1 19950415; BR 9002558 A 19910813; CA 2017804 A1 19901130; CA 2017804 C 19940201; DE 69017758 D1 19950420; DE 69017758 T2 19950713; ES 2070950 T3 19950616; FR 2647949 A1 19901207; FR 2647949 B1 19940218; JP 2577113 B2 19970129; JP H0322315 A 19910130; US 4983791 A 19910108

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