

Title (en)

M.T. circuit breaker with reduced control energy.

Title (de)

Mittelspannungslastschalter mit reduzierter Steuerenergie.

Title (fr)

Disjoncteur moyenne tension à énergie de commande réduite.

Publication

**EP 0517620 A1 19921209 (FR)**

Application

**EP 92420169 A 19920525**

Priority

FR 9106981 A 19910603

Abstract (en)

The main contacts (14, 15) of a medium voltage gas-insulation circuit breaker are shunted via arc contacts (18, 19) which abut in the closed position. The arc contacts (18, 19) are controlled by a toggle joint mechanism (23, 25) comprising a precompressed contact pressure spring. The closed position of the arc contacts corresponds substantially to the dead point of the control toggle joint and the arc contacts are slightly reopened when the circuit breaker is completely closed. <IMAGE>

IPC 1-7

**H01H 33/12**

IPC 8 full level

**H01H 33/12** (2006.01); **H01H 33/42** (2006.01); **H01H 33/66** (2006.01)

CPC (source: EP US)

**H01H 33/122** (2013.01 - EP US)

Citation (search report)

- [Y] GB 2103018 A 19830209 - INT STANDARD ELECTRIC CORP [US], et al
- [Y] EP 0092205 A2 19831026 - HITACHI LTD [JP]
- [A] EP 0011542 A1 19800528 - MERLIN GERIN [FR]
- [A] GB 841472 A 19600713 - ENGLISH ELECTRIC CO LTD

Cited by

EP0749139A1; FR2735277A1; FR2719154A1; EP0680063A1; US5644117A

Designated contracting state (EPC)

BE CH DE ES GB IT LI SE

DOCDB simple family (publication)

**EP 0517620 A1 19921209; EP 0517620 B1 19950927**; CA 2069690 A1 19921204; DE 69205069 D1 19951102; DE 69205069 T2 19960418; ES 2079825 T3 19960116; FR 2677168 A1 19921204; FR 2677168 B1 19940617; JP 3048750 B2 20000605; JP H05151867 A 19930618; US 5239150 A 19930824

DOCDB simple family (application)

**EP 92420169 A 19920525**; CA 2069690 A 19920527; DE 69205069 T 19920525; ES 92420169 T 19920525; FR 9106981 A 19910603; JP 13706392 A 19920528; US 88940892 A 19920528