

Title (en)

HIGH-VOLTAGE ELECTRICAL CIRCUIT BREAKER DEVICE WITH OPTIMISED AUTOMATIC EXTINCTION

Title (de)

ELEKTRISCHE HOCHSPANNUNGSSCHUTZSCHALTERVORRICHTUNG MIT OPTIMIERTER AUTOMATISCHER LÖSCHUNG

Title (fr)

DISPOSITIF DE COUPURE ELECTRIQUE HAUTE TENSION A AUTOSOUFFLAGE OPTIMISE

Publication

**EP 3230997 A1 20171018 (FR)**

Application

**EP 15805543 A 20151209**

Priority

- FR 1462218 A 20141211
- EP 2015079125 W 20151209

Abstract (en)

[origin: WO2016091953A1] The invention concerns an electrical circuit breaker device (1) with automatic extinction, such as a circuit breaker (1) or a disconnecting switch, comprising: - a first contact (3) and a second contact (4) that are movable between a closed position pressed together and an open position spaced apart from each other; - a switching chamber (11) surrounding the two contacts (3, 4) to delimit a closed space in the closed position. At least one of the contacts (3, 4) comprises a central channel (12, 13) that opens towards the other contact (3, 4), being intended to allow gas from the switching chamber (11) to be discharged in the opening phase. According to the invention, the other contact (3, 4) carries an insulating member (14) that is ablated under the effect of an electric arc forming in the switching chamber in order to produce a significant and swift increase in pressure in said chamber.

IPC 8 full level

**H01H 9/30** (2006.01); **H01H 9/32** (2006.01); **H01H 33/06** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2016091953A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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