

Title (en)

CIRCUIT BREAKER PROVIDED WITH MEANS THAT REDUCE THE SWITCHING ARC BETWEEN PERMANENT CONTACTS

Title (de)

SCHUTZSCHALTER MIT MITTEL ZUR REDUZIERUNG DES SCHALTBOGENS ZWISCHEN PERMANENTEN KONTAKTEN

Title (fr)

DISJONCTEUR POURVU DE MOYENS REDUISANT L'ARC DE COMMUTATION ENTRE CONTACTS PERMANENTS

Publication

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Application

EP 14701414 A 20140127

Priority

- FR 1350756 A 20130129
- EP 2014051535 W 20140127

Abstract (en)

[origin: WO2014118130A1] The invention relates to a movable permanent contact (4) consisting of two portions (8, 11) that are separated by a dielectric spacer (12) and are in communication with the electrical terminal (6) via respective contact coronae (9, 10). The current mainly passes through the front corona (10) and the end (8) during normal service. When the circuit breaker is turned on, said connection stops, the current passes through the arcing contacts (2, 5), and the switching arc, which briefly appears between (8 and 10), is confined in a transom (14) and advantageously by a dielectric hood (18) which spares the most sensitive portions of the space between terminals, where the electrical field is stronger.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014118130A1

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