

Title (en)

ELECTRICAL INTERRUPTION SWITCH, IN PARTICULAR FOR INTERRUPTING HIGH CURRENTS AT HIGH VOLTAGES

Title (de)

ELEKTRISCHES UNTERBRECHUNGSSCHALTGLIED, INSBESONDERE ZUM UNTERBRECHEN VON HOHEN STRÖMEN BEI HOHEN SPANNUNGEN

Title (fr)

ORGANE DE COMMANDE DE COUPURE ÉLECTRIQUE, SERVANT EN PARTICULIER À COUPER DES COURANTS DE FORTE INTENSITÉ DANS LE CAS DE TENSIONS ÉLEVÉES

Publication

EP 3152777 A1 20170412 (DE)

Application

EP 15742175 A 20150602

Priority

- DE 102014107853 A 20140604
- DE 2015100218 W 20150602

Abstract (en)

[origin: DE102014107853A1] The switch (1) has a fire extinguishing agent (45) provided such that a retaining volume (47) for containing the extinguishing agent is reduced by a movement of a sabot (25) of a contact unit (5) and/or by an upsetting process of an upsetting region (23) of the contact unit. The extinguishing agent is injected through a discharge duct (49) for clearing or avoiding an occurrence of an arc between ends of a separation region (27) of the contact unit. The discharge duct connects the retaining volume to a space in which a separation area is located. The contact unit is designed as a constant switching pipe (9).

IPC 8 full level

H01H 39/00 (2006.01)

CPC (source: EP KR US)

H01H 39/006 (2013.01 - EP KR US); **H01H 2039/008** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2015185038A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102014107853 A1 20140731; **DE 102014107853 B4 20150903**; EP 3152777 A1 20170412; EP 3152777 B1 20180228; JP 2017517134 A 20170622; KR 20170007855 A 20170120; US 2017213676 A1 20170727; US 9911560 B2 20180306; WO 2015185038 A1 20151210

DOCDB simple family (application)

DE 102014107853 A 20140604; DE 2015100218 W 20150602; EP 15742175 A 20150602; JP 2017516029 A 20150602; KR 20177000175 A 20150602; US 201515315456 A 20150602