

Title (en)

Switching device, in particular voltage switching device with two switched switch contact pairs arrayed in a row for interrupting an electricity flow.

Title (de)

Schaltgerät, insbesondere Leistungsschaltgerät, mit zwei in Reihe geschalteten Schaltkontaktpaaren zur Unterbrechung einer Strombahn.

Title (fr)

Commutateur, notamment commutateur de puissance doté de deux paires de contacts commutés en série pour interrompre une voie de courant

Publication

EP 2079088 A3 20100818 (DE)

Application

EP 09150080 A 20090106

Priority

DE 102008005115 A 20080114

Abstract (en)

[origin: EP2079088A2] The switchgear (1) has two switch contact pairs (2, 3) for breaking a flow path (4) of current. A discharge packet (5) is arranged in a region of the switch contact pairs for discharging electric arcs (6) that are developed while opening the flow path, where opening paths (7) of the switch contact pairs run parallel or anti-parallel to each other. The switch contact pairs are switched in series such that same current (i) flows in the electric arcs in same direction. The discharge packet is arranged in a region between the two opening paths.

IPC 8 full level

H01H 9/34 (2006.01); **H01H 73/04** (2006.01); **H01H 77/10** (2006.01)

CPC (source: EP US)

H01H 9/346 (2013.01 - EP US); **H01H 73/045** (2013.01 - EP US); **H01H 77/10** (2013.01 - EP US); **H01H 2009/367** (2013.01 - EP US)

Citation (search report)

- [A] EP 0174904 A1 19860319 - SIEMENS AG [DE]
- [E] DE 112007003283 T5 20100204 - SIEMENS AG [DE]
- [A] DE 19629867 A1 19980205 - KLOECKNER MOELLER GMBH [DE]

Cited by

EP2393094A1; US8921728B2; WO2011154380A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2079088 A2 20090715; **EP 2079088 A3 20100818**; CN 101488403 A 20090722; CN 101488403 B 20110615;
DE 102008005115 A1 20090716; US 2009179009 A1 20090716; US 7902948 B2 20110308

DOCDB simple family (application)

EP 09150080 A 20090106; CN 200910000163 A 20090113; DE 102008005115 A 20080114; US 31985909 A 20090113