

Title (en)
Switching device suitable for direct current operation

Title (de)
Schaltgeraet geeignet fuer einen Gleichstrombetrieb

Title (fr)
Commutateur pour un fonctionnement à courant continu

Publication
EP 2747108 A3 20141119 (DE)

Application
EP 13199096 A 20131220

Priority
DE 102012112772 A 20121220

Abstract (en)
[origin: EP2747108A2] The device (1) has conducting paths (2, 3) including respective terminals (4, 4', 5, 5'), which are arranged at respective sides of the device. Each path includes contact pairs (7, 7', 8, 8') of contacts (9, 9', 10, 10'), which are in contact with each other in a switched on condition of the device. Each contact pair includes quenching devices (21, 21', 22, 22') for quenching a light arc occurring between the contacts. The quenching devices of the paths are arranged behind each other in a direction of the terminals to the other terminals and partially in overlapping relative to each other.

IPC 8 full level
H01H 9/36 (2006.01); **H01H 9/40** (2006.01); **H01H 9/44** (2006.01)

CPC (source: EP US)
H01H 9/346 (2013.01 - US); **H01H 9/36** (2013.01 - EP US); **H01H 9/40** (2013.01 - EP US); **H01H 9/443** (2013.01 - EP US);
H01H 33/182 (2013.01 - US)

Citation (search report)
• [X] DE 1126479 B 19620329 - BBC BROWN BOVERI & CIE
• [A] DE 102006016273 A1 20071004 - SIEMENS AG [DE]

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)
EP 2747108 A2 20140625; **EP 2747108 A3 20141119**; **EP 2747108 B1 20170920**; PL 2747108 T3 20180530; US 2014175056 A1 20140626;
US 9129761 B2 20150908

DOCDB simple family (application)
EP 13199096 A 20131220; PL 13199096 T 20131220; US 201314133815 A 20131219