

Title (en)
SWITCHGEAR FOR DIRECT CURRENT

Title (de)
SCHALTGERÄT FÜR GLEICHSTROM

Title (fr)
APPAREIL DE COUPURE POUR COURANT CONTINU

Publication
EP 2859570 B1 20171122 (DE)

Application
EP 13727913 A 20130611

Priority
• DE 102012104992 A 20120611
• EP 2013062004 W 20130611

Abstract (en)
[origin: WO2013186201A1] The invention relates to a switching device 1 suitable for direct current operation comprising a gas-tight encapsulated, electrically insulated housing 3, which is filled with an insulating gas, at least one contact pair 13, 14 which is arranged in the housing 3 and which has a first contact 13 and a second contact 14, wherein at least one of the two contacts 13, 14 is movable and the two contacts 13, 14 are in contact with each other in an activated state of the switching device 1 and are out of contact to each other in a deactivated state of the switching device 1, and further comprising an arc driver assembly 15, 16, which generates a magnetic field at least in the region of the contact pair 13, 14, wherein there is an extinguishing device 17, 18 for extinguishing the arc, in that the arc is driven by the arc driver assembly 15, 16.

IPC 8 full level
H01H 33/64 (2006.01); **H01H 33/08** (2006.01); **H01H 33/18** (2006.01); **H01H 33/56** (2006.01)

CPC (source: EP)
H01H 33/08 (2013.01); **H01H 33/182** (2013.01); **H01H 33/596** (2013.01); **H01H 33/64** (2013.01); **H01H 33/565** (2013.01)

Citation (examination)
• US 3735074 A 19730522 - FRIND G, et al
• EP 0473014 A2 19920304 - EATON CORP [US]

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

DOCDB simple family (publication)
DE 102012104992 A1 20131212; EP 2859570 A1 20150415; EP 2859570 B1 20171122; PL 2859570 T3 20180228;
WO 2013186201 A1 20131219

DOCDB simple family (application)
DE 102012104992 A 20120611; EP 13727913 A 20130611; EP 2013062004 W 20130611; PL 13727913 T 20130611