

Title (en)
SWITCHGEAR

Title (de)
SCHALTANLAGE

Title (fr)
APPAREILLAGE DE COMMUTATION

Publication
EP 2980821 A1 20160203 (EN)

Application
EP 13879930 A 20131220

Priority
• JP 2013065676 A 20130327
• JP 2013084204 W 20131220

Abstract (en)
A switchgear (100) is provided with a switch mechanism (103) that can connect or disconnect a movable contact (2a) to/from a fixed contact (1a); a magnet (4) that generates a magnetic field for extending an arc generated when the contacts (1a) and (2a) separate; and an elongated magnetic body (3), one end of which is in contact with a magnetic pole face of the magnet. The other end of the magnetic body (3) is disposed near an arc-generating area between the fixed contactor (1) and the movable contactor (2), and the magnetic field generated by the magnet (4) extends the arc along a longitudinal side face of the magnetic body (3).

IPC 8 full level
H01H 9/44 (2006.01); **H01H 50/00** (2006.01); **H01H 73/18** (2006.01); **H01H 9/30** (2006.01); **H01H 9/34** (2006.01)

CPC (source: EP)
H01H 9/443 (2013.01); **H01H 9/446** (2013.01); **H01H 73/18** (2013.01); **H01H 9/302** (2013.01); **H01H 9/346** (2013.01)

Cited by
EP3232457A1; WO2022243119A1; FR3050311A1; EP3561837A1; CN110400710A; US10896789B2; EP3561831A1; CN110400711A; EP3185270A4; US10804056B2; FR3123143A1; CN117321716A; US10176945B2; US10204748B2

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 2980821 A1 20160203; **EP 2980821 A4 20161214**; **EP 2980821 B1 20190515**; CN 204189671 U 20150304; JP 5992603 B2 20160914; JP WO2014155874 A1 20170216; KR 101775805 B1 20170906; KR 20150122747 A 20151102; WO 2014155874 A1 20141002

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EP 13879930 A 20131220; CN 201420144940 U 20140327; JP 2013084204 W 20131220; JP 2015507963 A 20131220; KR 20157026591 A 20131220