

Title (en)  
DIRECT CURRENT CIRCUIT BREAKER

Title (de)  
DIREKTSTROMSCHUTZSCHALTER

Title (fr)  
DISJONCTEUR À COURANT CONTINU

Publication  
**EP 3561841 A4 20191204 (EN)**

Application  
**EP 16925768 A 20161226**

Priority  
JP 2016088642 W 20161226

Abstract (en)  
[origin: EP3561841A1] In an arc-extinguishing chamber shifting mechanism of a DC breaker, it is required that contact portions can be easily and safely maintained and inspected in a short time. Arc-extinguishing chamber shifting mechanism 17, by which the arc-extinguishing chamber 2 can be shifted between two positions which are composed of an operation position, which is arranged at an upper portion of the contact 5 at a fixed side and the contact 7 at a movable side, and an inspection position at which the arc-extinguishing chamber 2 is shifted in a horizontal direction from the operation position, and an upper portion of the contact 5 at a fixed side and the contact 7 at a movable side is set as an open state, is provided.

IPC 8 full level  
**H01H 33/08** (2006.01); **H01H 9/36** (2006.01); **H01H 9/34** (2006.01); **H01H 73/18** (2006.01)

CPC (source: EP)  
**H01H 9/362** (2013.01); **H01H 33/08** (2013.01); **H01H 9/346** (2013.01); **H01H 73/18** (2013.01)

Citation (search report)

- [XY] JP 2015204182 A 20151116 - MITSUBISHI ELECTRIC CORP
- [YA] US 3177325 A 19650406 - POKORNY FRANK J
- [YA] US 3992599 A 19761116 - HALBACH EDWARD A
- [YA] US 2013037521 A1 20130214 - NOISETTE PHILIPPE [FR], et al
- See references of WO 2018122901A1

Cited by  
CN110379665A; WO2023121722A1

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 3561841 A1 20191030; EP 3561841 A4 20191204; EP 3561841 B1 20220223**; AU 2016434707 A1 20190530; AU 2016434707 B2 20200917; JP 6250238 B1 20171220; JP WO2018122901 A1 20181227; WO 2018122901 A1 20180705

DOCDB simple family (application)  
**EP 16925768 A 20161226**; AU 2016434707 A 20161226; JP 2016088642 W 20161226; JP 2017526999 A 20161226