

Title (en)

SWITCHGEAR AND GAS-INSULATED SWITCHGEAR

Title (de)

SCHALTANLAGE UND GASISOLIERTE SCHALTANLAGE

Title (fr)

APPAREILLAGE DE COMMUTATION ET APPAREILLAGE DE COMMUTATION À ISOLATION GAZEUSE

Publication

EP 4277058 A4 20240214 (EN)

Application

EP 21917459 A 20210107

Priority

JP 2021000292 W 20210107

Abstract (en)

[origin: EP4277058A1] A switch (100) includes a fixed-side terminal (2) having a shaft rod (9) and a spring (10) biasing the shaft rod (9), and a movable-side terminal (1) provided so as to be opposed to the fixed-side terminal (2) and including a movable electrode rod (3) which ensures electric conduction to the fixed-side terminal (2) and is contactable therewith/separable therefrom. The fixed-side terminal (2) is supported by a plurality of insulation support portions (5, 7, 15) provided at symmetric positions with respect to an axis on which the movable electrode rod (3) moves, an end of each insulation support portion (5, 7, 15) being fixed. Thus, an impact force at the time of opening is dispersed.

IPC 8 full level

H01H 31/02 (2006.01); **H01H 31/32** (2006.01); **H01H 33/40** (2006.01); **H02B 13/035** (2006.01)

CPC (source: EP)

H01H 31/023 (2013.01); **H01H 33/40** (2013.01); **H01H 31/32** (2013.01); **H01H 33/64** (2013.01)

Citation (search report)

- [Y] JP 2010027479 A 20100204 - MITSUBISHI ELECTRIC CORP
- [Y] US 3348001 A 19671017 - UPTON JR CHESTER W, et al
- See also references of WO 2022149232A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4277058 A1 20231115; **EP 4277058 A4 20240214**; JP 7046272 B1 20220401; JP WO2022149232 A1 20220714; TW 202228174 A 20220716; TW I798927 B 20230411; WO 2022149232 A1 20220714

DOCDB simple family (application)

EP 21917459 A 20210107; JP 2021000292 W 20210107; JP 2021522569 A 20210107; TW 110141980 A 20211111