

Title (en)
GAS-INSULATED SWITCHING DEVICE

Title (de)
GASISOLIERTE SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION À ISOLATION GAZEUSE

Publication
EP 4277057 A4 20240214 (EN)

Application
EP 21917458 A 20210107

Priority
JP 2021000291 W 20210107

Abstract (en)
[origin: EP4277057A1] Provided is a gas insulated switchgear that enables adjustment of the interruption speed while stabilizing the position where a fixed electrode is separated from a movable electrode. The gas insulated switchgear includes: a movable electrode (8) having a movable electrode rod (6) and a movable-side shaft rod (7); a fixed electrode (14) provided coaxially with the movable electrode; a driving portion which linearly drives the movable electrode; and an opening mechanism which separates the fixed electrode from the movable electrode. The movable electrode has a taper portion (7a) and a protrusion (6a) at a part to contact with the fixed electrode. The fixed electrode includes a latch portion (24) composed of a claw (20) having an engagement portion (20a) to be engaged with the protrusion and a slope portion (20b) to contact with the taper portion, and a contact-pressure spring (22) applying a restoring force to the claw.

IPC 8 full level
H02B 13/035 (2006.01); **H01H 1/52** (2006.01)

CPC (source: EP)
H01H 1/52 (2013.01); **H01H 31/32** (2013.01); **H01H 1/38** (2013.01); **H01H 33/121** (2013.01)

Citation (search report)
No further relevant documents disclosed

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 4277057 A1 20231115; EP 4277057 A4 20240214; JP 7391245 B2 20231204; JP WO2022149231 A1 20220714; TW 202228173 A 20220716; TW I772042 B 20220721; WO 2022149231 A1 20220714

DOCDB simple family (application)
EP 21917458 A 20210107; JP 2021000291 W 20210107; JP 2022573854 A 20210107; TW 110119606 A 20210531