

Title (en)
SWITCH DEVICE

Title (de)
SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION

Publication
EP 2996127 A1 20160316 (EN)

Application
EP 15184441 A 20150909

Priority
JP 2014184398 A 20140910

Abstract (en)
If an operating body 50 is pushed, an operation conductor plate 30 is turned by the operating body 50. Turning forces are applied to an independent conductor plate 23 of a switching movable part 20 via two extension coil springs 41 and 42, and the switching movable part 20 is turned. The switching movable part 20 is provided with movable contacts 24, 25, and 26, and the movable contacts 24, 25, and 26 slide against the sliding parts 17a, 17b, and 17c due to the turning operation of the switching movable part 20 such that the contacts are switched. Since the two extension coil springs 41 and 42 are used, the operation of the switching movable part 20 is stabilized and the reliability of energization paths are improved.

IPC 8 full level
H01H 5/08 (2006.01); **H01H 13/30** (2006.01); **H01H 13/64** (2006.01)

CPC (source: CN EP)
H01H 5/08 (2013.01 - EP); **H01H 13/30** (2013.01 - CN EP); **H01H 13/64** (2013.01 - EP); **H01H 2235/004** (2013.01 - CN)

Citation (applicant)
JP 2012064548 A 20120329 - ALPS ELECTRIC CO LTD

Citation (search report)

- [AD] JP 2012064548 A 20120329 - ALPS ELECTRIC CO LTD
- [A] EP 2346057 A1 20110720 - ALPS ELECTRIC CO LTD [JP]
- [A] US 2012152714 A1 20120621 - KISHI SHIGENOBU [JP], et al
- [A] WO 2008105186 A1 20080904 - HST CO LTD [JP], et al

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 2996127 A1 20160316; **EP 2996127 B1 20170222**; CN 105405697 A 20160316; CN 105405697 B 20171027; JP 2016058271 A 20160421; JP 6282202 B2 20180221

DOCDB simple family (application)
EP 15184441 A 20150909; CN 201510664837 A 20150910; JP 2014184398 A 20140910