

Title (en)
SWITCH DEVICE

Title (de)
SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION

Publication
EP 4084031 A1 20221102 (EN)

Application
EP 21170820 A 20210428

Priority
EP 21170820 A 20210428

Abstract (en)
The invention provides a switch device (10) including a shell (11), an operating member (13), a spring (14), a movable conductor (15), a first pin (16), a second pin (17), two resistors (18, 19), and two connecting conductors (21, 22). The operating member (13) is partially exposed out of the shell (11), and the movable conductor (15) is displaced when the operating member (13) is operated. One side of the shell (11) is provided with the first pin (16) and the spring (14), another side is provided with the second pin (17). The resistors (18, 19) are connected with the second pin (17) and have different resistance values. The connecting conductors (21, 22) are arranged between the two pins. The first pin (16) contacts with the movable conductor (15). The connecting conductors (21, 22) without disposal of any crossover part therebetween and respectively connected with the resistors (18, 19). The connecting conductors (21, 22) are arranged at intervals along a displacement path of the movable conductor (15) which contacted one connecting conductor before and after displacement and forming two conductive paths.

IPC 8 full level
H01H 1/36 (2006.01); **H01H 1/40** (2006.01); **H01H 13/12** (2006.01); **H01H 13/06** (2006.01)

CPC (source: EP)
H01H 1/365 (2013.01); **H01H 1/40** (2013.01); **H01H 13/12** (2013.01); **H01H 13/06** (2013.01)

Citation (applicant)
• CN 105489429 A 20160413 - OMRON TATEISI ELECTRONICS CO
• CN 204167164 U 20150218 - ALPS ELECTRIC CO LTD

Citation (search report)
• [X] WO 2018062144 A1 20180405 - PANASONIC IP MAN CO LTD [JP]
• [A] EP 2006868 A2 20081224 - ALPS ELECTRIC CO LTD [JP]
• [A] EP 2782111 A1 20140924 - OMRON TATEISI ELECTRONICS CO [JP]

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 4084031 A1 20221102

DOCDB simple family (application)
EP 21170820 A 20210428