

Title (en)
Switch device

Title (de)
Schaltvorrichtung

Title (fr)
Dispositif de commutation

Publication
EP 2743953 A1 20140618 (EN)

Application
EP 13190843 A 20131030

Priority
JP 2012274502 A 20121217

Abstract (en)
First and second cams (9A,B) are rotated in a direction determined by a rotation direction of a knob (5) by first and second operation portions (73A,B) extending from the knob (5). A first switch element (23) is switched on when the first cam is rotated in one direction around the second shaft (X2), by a pressing portion (92) of the first cam at one side thereof. A second switch element is switched on when the second cam is rotated in the other direction around the second shaft (X2), by a pressing portion (92) of the second cam at the other side thereof. As viewed in a shaft direction of the rotary shaft (X2), (a) the first and second switch elements (23,24) and (b) the pressing portions (92,b) are respectively arranged to be symmetrical around the second shaft (X2).

IPC 8 full level
H01H 23/00 (2006.01); **H01H 23/16** (2006.01); **H01H 23/30** (2006.01); **H01H 21/22** (2006.01)

CPC (source: EP)
H01H 23/003 (2013.01); **H01H 23/168** (2013.01); **H01H 23/30** (2013.01); **H01H 2021/225** (2013.01)

Citation (applicant)
JP 2006315468 A 20061124 - NISSAN MOTOR

Citation (search report)
• [XY] EP 2492940 A1 20120829 - ALPS ELECTRIC CO LTD [JP]
• [Y] EP 2468590 A1 20120627 - BITRON SPA [IT]
• [Y] EP 1288985 A2 20030305 - NILES PARTS CO LTD [JP]
• [YA] EP 2498269 A1 20120912 - BITRON SPA [IT]

Cited by
CN107499295A; CN104554205A; EP3493233A1; EP3503149A1; FR3075457A1; US10699860B2; US10840040B2; WO2020216677A1

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 2743953 A1 20140618; EP 2743953 B1 20170816; JP 2014120322 A 20140630; JP 6125820 B2 20170510

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