

Title (en)
SWITCH

Title (de)
SCHALTER

Title (fr)
COMMUTATEUR

Publication
EP 2903012 A4 20150916 (EN)

Application
EP 13840324 A 20130913

Priority
• JP 2012215840 A 20120928
• JP 2013005443 W 20130913

Abstract (en)
[origin: EP2903012A1] [PROBLEMS] In a switch using a piano handle as for an operation handle, it enables the visceral operation and enables to increase the usability with keeping the suitable operability. [SOLUTION MEANS] A switch (1) comprises an operation handle (11) operated by a user, LEDs (4, 7) for indicating operation state of a load, and a first light guide member (41). The operation handle (11) is rotatably pivoted by a main body (10) of the switch at a side of the LEDs (4, 7), and output lights of the LEDs (4, 7) is guided to a side of the operation handle (11) distant from the LEDs (4, 7) by the first light guide member (41) and exit from an indication portion (11a) provided at an operating portion (11c).

IPC 8 full level
H01H 21/00 (2006.01); **H01H 21/24** (2006.01)

CPC (source: CN EP KR)
H01H 9/161 (2013.01 - KR); **H01H 21/025** (2013.01 - CN EP KR); **H01H 21/245** (2013.01 - KR); **H01H 23/205** (2013.01 - KR); **H01H 9/161** (2013.01 - EP); **H01H 21/22** (2013.01 - CN EP); **H01H 21/245** (2013.01 - EP); **H01H 23/205** (2013.01 - EP); **H01H 2219/062** (2013.01 - EP KR)

Citation (search report)
• [XYI] US 2006131152 A1 20060622 - ENDRES PAUL [US], et al
• [Y] EP 0454908 A2 19911106 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• See references of WO 2014050006A1

Cited by
US10596457B2; US10596456B2; US10835813B2; US10835814B2; US10843070B2; US11439898B2

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 2903012 A1 20150805; EP 2903012 A4 20150916; CN 104584168 A 20150429; CN 104584168 B 20170301; IN 1515DEN2015 A 20150703; JP 2014071984 A 20140421; JP 5963084 B2 20160803; KR 101689767 B1 20161226; KR 20150031484 A 20150324; RU 2597249 C1 20160910; TW 201423817 A 20140616; TW I508124 B 20151111; WO 2014050006 A1 20140403

DOCDB simple family (application)
EP 13840324 A 20130913; CN 201380045395 A 20130913; IN 1515DEN2015 A 20150224; JP 2012215840 A 20120928; JP 2013005443 W 20130913; KR 20157004341 A 20130913; RU 2015105295 A 20130913; TW 102134538 A 20130925