

Title (en)
Switch operating device

Title (de)
Schalterbetriebsvorrichtung

Title (fr)
Dispositif de commutation

Publication
EP 2346055 A1 20110720 (EN)

Application
EP 11150702 A 20110112

Priority
JP 2010005066 A 20100113

Abstract (en)
A switch operating device has: an electric motor (5) capable of being rotated in both positive and negative directions; a drive shaft (6) rotated by the electric motor (5); a drive-side intermittent gear (8) rotated by the drive shaft (6); a driven-side intermittent gear (10) rotated by the drive-side intermittent gear (8); a main shaft (11) that is fixed to the driven-side intermittent gear (10) to drive the contacts of the switch; a disconnecter lock cam (19a) and a grounding switch lock cam (19b) fixed to the main shaft (11) to be rotated; and a disconnecter lock pin (52a) and a grounding switch lock pin (52b) that are capable of being engaged with and released from the disconnecter lock cam (19a) and the grounding switch lock cam (19b) and capable of inhibiting predetermined range of rotation of the main shaft (11) when being engaged.

IPC 8 full level
H01H 3/40 (2006.01); **H01H 3/42** (2006.01)

CPC (source: EP)
H01H 3/40 (2013.01); **H01H 3/42** (2013.01); **H01H 3/3047** (2013.01); **H01H 31/003** (2013.01)

Citation (applicant)
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• JP 2005050613 A 20050224 - TKD KK
• JP 2003022735 A 20030124 - TKD KK
• JP 2002150897 A 20020524 - MITSUBISHI ELECTRIC CORP
• JP H0554747 A 19930305 - MITSUBISHI ELECTRIC CORP

Citation (search report)
• [A] JP 2002152922 A 20020524 - TOSHIBA CORP
• [A] EP 1901323 A1 20080319 - AREVA T & D SA [FR]
• [AD] JP 2002150897 A 20020524 - MITSUBISHI ELECTRIC CORP

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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 2346055 A1 20110720; **EP 2346055 B1 20150225**; CN 102129922 A 20110720; CN 102129922 B 20131106; JP 2011146199 A 20110728; JP 5367594 B2 20131211

DOCDB simple family (application)
EP 11150702 A 20110112; CN 201110006755 A 20110113; JP 2010005066 A 20100113