Title (en)

Operating mechanism for a switch with three positions.

Title (de)

Antrieb für einen Dreistellungsschalter.

Title (fr)

Mécanisme de commande d'un interrupteur à trois positions.

Publication

EP 0448481 B1 19950830 (FR)

Application

EP 91420083 A 19910307

Priority

FR 9003794 A 19900323

Abstract (en)

[origin: EP0448481A1] A mechanism for operating a three-position switch having a main contact-carrier shaft (10) includes a control device (14) for closing and opening the switch, and a control device (15) for earthing. The two devices include drive-plates connected by a common spring (27) capable of being armed by the rotation of any one of the control shafts and of transmitting, after crossing the dead point, a motive motion for driving these plates, transmitted by levers hinged to a crank (32) fastened onto the main shaft (10). All the operations are abrupt and the torque transmitted to the main shaft increases during the operating motion. A locking device keeps the main shaft in the open position during the spring-arming phase. <IMAGE>

IPC 1-7

H01H 3/30

IPC 8 full level

H01H 3/32 (2006.01); **H01H 3/30** (2006.01); **H01H 33/42** (2006.01)

CPC (source: EP US)

H01H 3/3047 (2013.01 - EP US); H01H 2003/3068 (2013.01 - EP US)

Cited by

CN105826097A; CN106449232A; CN104134554A; CN102881487A; CN106451182A; CN107026048A; FR2877487A1; CN105788941A; FR2768552A1; EP0908908A1; EP0955649A3; EP1901323A1; FR2906074A1; CN103337405A; EP0593371A1; FR2696866A1; US5438176A; TR27299A; CN113748476A; CN113811970A; WO2006048583A3; WO2012059811A1; WO2020200951A1; WO2020201000A1

Designated contracting state (EPC)

BE CH DE ES GB IT LI NL SE

DOCDB simple family (publication)

EP 0448481 A1 19910925; **EP 0448481 B1 19950830**; BR 9101105 A 19911105; CA 2038078 A1 19910923; CA 2038078 C 20011204; DE 69112461 D1 19951005; DE 69112461 T2 19960418; ES 2079610 T3 19960116; FR 2660109 A1 19910927; FR 2660109 B1 19920605; ID 855 B 19960802; JP 3219782 B2 20011015; JP H04249820 A 19920904; MX 167070 B 19930301; US 5148913 A 19920922; ZA 912118 B 19911127

DOCDB simple family (application)

EP 91420083 A 19910307; BR 9101105 A 19910321; CA 2038078 A 19910312; DE 69112461 T 19910307; ES 91420083 T 19910307; FR 9003794 A 19900323; ID 922140 A 19920131; JP 8343391 A 19910322; MX 2496991 A 19910319; US 66816391 A 19910312; ZA 912118 A 19910321