

Title (en)

Switching mechanism for a flip-switch, flip-switch and operating panel

Title (de)

Schaltmechanismus für einen Kippschalter, Kippschalter und Bedienfeld

Title (fr)

Mécanisme de commutation pour un commutateur à bascule, commutateur à bascule et champ de commande

Publication

EP 2416337 B1 20170510 (DE)

Application

EP 11176124 A 20110801

Priority

DE 102010033218 A 20100803

Abstract (en)

[origin: EP2416337A2] The mechanism has rotatably mounted tilting element (20) including an actuation region on respective ends (26, 28) of the tilting element. Corresponding actuating force (F2) acts opposite to restoring force (F1) for releasing a corresponding tilting motion of the tilting element around tilting axes (KA1). A tilting element is rotatably supported, so that the tilting element includes the tilting axes at the ends and is operated depending on the actuating force, where the tilting axes are in active condition at the ends of the tilting element for actuating the restoring force. An independent claim is also included for a toggle switch engages an un-actuated initial position and two actuated switching positions.

IPC 8 full level

H01H 23/16 (2006.01); **H01H 23/14** (2006.01); **H01H 25/04** (2006.01)

CPC (source: EP)

H01H 23/143 (2013.01); **H01H 23/16** (2013.01); **H01H 25/041** (2013.01)

Citation (opposition)

Opponent : Preh GmbH

- DE 3719793 A1 19881222 - STANDARD ELEKTRIK LORENZ AG [DE]
- US 2004182685 A1 20040923 - TSUNEMOTO KINICHI [JP]
- US 5560475 A 19961001 - BRUNDAGE DOUGLAS L [US], et al
- JP H07282689 A 19951027 - ALPS ELECTRIC CO LTD
- DE 10051171 A1 20010531 - YAZAKI CORP [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

DOCDB simple family (publication)

EP 2416337 A2 20120208; EP 2416337 A3 20120502; EP 2416337 B1 20170510; DE 102010033218 A1 20120209

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