

Title (en)

PUSH-BUTTON ELECTRICAL SWITCH WITH DEFORMABLE ACTUATION AND METHOD FOR MAKING SAME

Title (de)

ELEKTRISCHER DURCKTASTENSCHALTER MIT DEFORMIERBARER BETÄTIGUNG UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

COMMUTATEUR ELECTRIQUE A ACTIONNEMENT PAR PRESSION DE TYPE CLOQUANT ET SON PROCEDE DE FABRICATION

Publication

EP 1552540 A1 20050713 (FR)

Application

EP 03775454 A 20030929

Priority

- FR 0302856 W 20030929
- FR 0212882 A 20021016

Abstract (en)

[origin: WO2004036609A1] The invention concerns a switch (40) designed to be mounted on an electrical circuit plate (16) comprising contacts (8, 10) to be electrically connected upon switching. It includes a switching element, for example a dome (4), associated with an actuator (2), for establishing the electrical connection between said contacts when it is deflected under a pressure transmitted by the actuator. The device further comprises a base plate (46) provided with retaining means (50a) for retaining the switching element (14) before the device is mounted on the plate (16), the switching element being released from said retaining means when the device is mounted on the plate. The switching element (4) may be supported only by the plate (16) when the device is mounted thereon, the base plate (46) providing then only a guiding function for the switching element. The guiding element (4) may be designed to be naturally released from the retaining means (50a) under the effect of a thrust exerted on said dome by the plate (16) when the device is mounted thereon.

IPC 1-7

H01H 13/48

IPC 8 full level

H01H 13/48 (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP US)

H01H 13/48 (2013.01 - EP US); **H01H 11/00** (2013.01 - EP US); **H01H 2215/012** (2013.01 - EP US); **Y10T 29/49105** (2015.01 - EP US)

Citation (search report)

See references of WO 2004036609A1

Cited by

US10752250B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004036609 A1 20040429; AU 2003283482 A1 20040504; EP 1552540 A1 20050713; EP 1552540 B1 20140402; FR 2846143 A1 20040423; FR 2846143 B1 20050107; JP 2006503409 A 20060126; US 2005259382 A1 20051124; US 7151236 B2 20061219

DOCDB simple family (application)

FR 0302856 W 20030929; AU 2003283482 A 20030929; EP 03775454 A 20030929; FR 0212882 A 20021016; JP 2004544359 A 20030929; US 53121605 A 20050414