

Title (en)

PUSH-KEY WITH LOCK-IN AND TOUCH FUNCTION

Title (de)

DRUCKTASTE FÜR RAST- UND TASTFUNKTION

Title (fr)

BOUON POUSSOIR AVEC FONCTION D'ENCLIQUETAGE ET DE TOUCHE

Publication

EP 1153402 B1 20061102 (DE)

Application

EP 00990704 A 20001211

Priority

- DE 19960695 A 19991216
- EP 0012506 W 20001211

Abstract (en)

[origin: WO0145124A1] The invention relates to a push-key with lock-in and touch function that is used to actuate contact elements. The push-key (2) comprises a housing (4) in the form of a hollow cylinder and a switch tappet (6) that can be lengthwise displaced therein and that is non-rotationally guided. The push-key is further provided with spring elements and striking means (18, 20) to return the key to the rest position. An approximately heart-shaped lock-in gate (28) for the lock-in function and a longitudinal groove (30) for the touch function extending parallel to said gate and to the actuation device (16) are disposed on the inner wall (24) of the housing (4). A guide pin (44) projects radially outwards from an open ring element (42) that is mounted on the switch tappet (6) so that it can be twisted in itself. Said guide pin can be moved from the lock-in gate (28) to the longitudinal groove (40) or vice versa by means of a tool that engages in an entry opening (46) of the housing (4).

IPC 8 full level

H01H 13/14 (2006.01); **H01H 13/02** (2006.01); **H01H 13/56** (2006.01)

CPC (source: EP US)

H01H 13/564 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB TR

Designated extension state (EPC)

RO

DOCDB simple family (publication)

WO 0145124 A1 20010621; CN 1141727 C 20040310; CN 1339167 A 20020306; CZ 20013001 A3 20011114; CZ 302190 B6 20101208; DE 19960695 A1 20010621; DE 50013691 D1 20061214; EP 1153402 A1 20011114; EP 1153402 B1 20061102; HU 227524 B1 20110728; HU P0200059 A2 20020529; JP 2003517178 A 20030520; US 2002157935 A1 20021031; US 6518529 B2 20030211

DOCDB simple family (application)

EP 0012506 W 20001211; CN 00803325 A 20001211; CZ 20013001 A 20001211; DE 19960695 A 19991216; DE 50013691 T 20001211; EP 00990704 A 20001211; HU P0200059 A 20001211; JP 2001545329 A 20001211; US 91347701 A 20010815