

Title (en)
PUSH BUTTON OPERATED SWITCH WITH BUTTON ALIGNMENT SYSTEM

Title (de)
DRUCKKNOPFBETÄTIGTER SCHALTER MIT KNOPFAUSRICHTUNGSSYSTEM

Title (fr)
INTERRUPTEUR À BOUTON-POUSOIR AVEC SYSTÈME D'ALIGNEMENT DE BOUTONS

Publication
EP 3417466 B1 20190828 (EN)

Application
EP 16831751 A 20161221

Priority
• IT UB20160765 A 20160215
• IB 2016057879 W 20161221

Abstract (en)
[origin: WO2017141092A1] • 1. A push button operated switch (10) including: • - a case (20) made of electrically insulating material, having a bottom wall (21), lateral walls (20a, 20b, 20c, 20d) being joined to the bottom wall (21) and an open side (21') opposite to the bottom wall (21); • - a push button (30) that can be operated to command an electrical commutation of the switch (10) and having a body provided with lateral walls (30a, 30b, 30c, 30d) crossing said open side (21'), the push button (10) being adapted to slide with respect to the case (20) along a sliding axis (Z-Z), between a forward position and a backward position; • - at least one elastic element (40) adapted to exert a pushing force on the push button (30) in order to bring back or keep the push button (30) in the backward position; • - a first stopping system including contact surfaces (251, 351) of the lateral walls of the case (20) and of the lateral walls of the push button (30) respectively, which are abutting to each other when the push button (30) is in the backward position; • characterized in that the first stopping system includes a button alignment system including alignment elements (250, 350) engaging with each other starting from a giving point on during the sliding movement of the push button (30) from the forward position towards the backward position.

IPC 8 full level
H01H 3/12 (2006.01); **H01H 13/06** (2006.01); **H01H 13/10** (2006.01); **H01H 13/14** (2006.01); **H01H 13/60** (2006.01)

CPC (source: EP RU)
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