

Title (en)
PUSH-BUTTON SWITCH

Title (de)
DRUCKTASTENSCHALTER

Title (fr)
INTERRUPTEUR A BOUTON-POUSOIR

Publication
EP 1584096 A1 20051012 (EN)

Application
EP 03815378 A 20031230

Priority
• EP 0314963 W 20031230
• IT RM20030018 A 20030117

Abstract (en)
[origin: WO2004066329A1] A switch comprising a fixed electric contact (3.1) connected to one of two connection terminals (21.1), a pivotable metallic jumper element (4) as rocker arm, provided at one of its ends with a mobile electric contact (5.1) and electrically connected to the other of the two terminals (21.3), an operating organ (46) connected to the jumper element in such a way as to make it oscillate between two positions, in one of which the mobile contact (5.1) of the jumper element (4) is in contact with the fixed electric contact (3.1). To operate the push-button, a control element (47) capable of rotating around a second axis (a2) parallel to the first (a1) comprises two surfaces (36) arranged symmetrically with respect to a plane containing the second axis (a2), the control organ (46) comprises a push-button (42) mobile in a direction at right angles to the second axis (a2) in response to a pressure applied to it and a pressure-transmission means (8) connected to the push-button (42) in such a way as to be capable of rotating around a third axis (a3), parallel to the first axis (a1), maintained in a predetermined position by an elastic element (22) and having two ends (44) capable of alternately coming into contact with the two surfaces (36) of the control element (47) to bring the latter into one or the other angular position corresponding to one or, the other of the predetermined positions of the jumper element (4).

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H01H 13/20; **H01H 23/16**

IPC 8 full level
H01H 13/20 (2006.01); **H01H 13/60** (2006.01); **H01H 23/16** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP)
H01H 13/60 (2013.01); **H01H 1/5833** (2013.01); **H01H 2011/0043** (2013.01)

Cited by
RU2723643C2; RU2769958C1; US8698026B2; US9091403B2; WO2011121625A1; EP3886132A1; US11482388B2; US11594384B2; US9095053B2; US9620945B2; US10103530B2; US10270235B2; US10297995B2; US10862286B2

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