

Title (en)

Operating switch

Title (de)

Bedienungsschalter

Title (fr)

Interrupteur de commande

Publication

EP 1475816 A1 20041110 (EN)

Application

EP 04009446 A 20040421

Priority

JP 2003130183 A 20030508

Abstract (en)

An operating switch includes a switch body (10) having a pressing unit which is biased upward by a resilient member; a tiltably-supported operating part (20) having a tapered guide (23) in the undersurface thereof such that the guide is in contact with the pressing unit (13); and contact units. Each contact unit includes a push-rod (31) which moves vertically when the operating part is tilted, an elastic member (33) which buckles when the push-rod presses against the member, and an elastic-member contact (34) which comes in contact with one of substrate-contacts (41). When the operating part is tilted, the pressing unit slides on the tapered guide while being pressed downward so as to produce a first type of operational feel, and one of the elastic members buckles while being pressed downward so as to produce a second type of operational feel, the two types being produced substantially at the same time. <IMAGE>

IPC 1-7

H01H 23/16

IPC 8 full level

H01H 23/16 (2006.01); **H01H 23/30** (2006.01)

CPC (source: EP)

H01H 23/168 (2013.01); **H01H 23/30** (2013.01); **H01H 2215/004** (2013.01)

Citation (search report)

- [X] US 2002060611 A1 20020523 - KUBOTA MINORU [JP], et al
- [A] US 5115108 A 19920519 - OGAWA KIKUO [JP], et al

Cited by

EP1896885A4; CN110596431A; EP1988441A1; DE102018200216A1; EP2194552A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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