

Title (en)

SMALL SWITCH

Title (de)

KLEINSCHALTER

Title (fr)

COMMUTATEUR DE DIMENSION REDUITE

Publication

EP 1261002 A4 20060823 (EN)

Application

EP 01976856 A 20011026

Priority

- JP 0109458 W 20011026
- JP 2000334009 A 20001031
- JP 2000334010 A 20001031

Abstract (en)

[origin: EP1261002A1] A small-size switch is provided where a push-button (2) is lengthened in the stroke and can thus be positioned at higher accuracy, hence improving the utility and lowering the production cost. The push-button (2) has a first projection or fan shaped pivot pin (17) and a second projection (19) of a circular shape over the first projection (17) provided on each of two sides thereof. As the first projections (17) are fitted into two semi-circular holes (16) respectively provided in both side walls of a body (1), the second projections (19) engage directly with their corresponding recesses 20 provided in the inner surfaces of the side walls of the body (1) as well as the corresponding holes (16). The push-button (2) is pivotably movable about the pivot center (13) of its pivot pins (17) until the wall surface (17a) of each pivot pin (17) touches the edge of the semi-circular hole (16). Since the push-button (2) is supported at its pivot center by one end close to the opening of the body (1), no extra member for retaining the push-button (2) can be needed. Also, as the pivot pins (17) of the push-button (2) are fitted into the corresponding semi-circular holes (16) of the body (1) and their opening angle is sized smaller, the stroke of the push-button (2) can be lengthened. <IMAGE>

IPC 1-7

H01H 21/28

IPC 8 full level

H01H 21/28 (2006.01); **H01H 1/24** (2006.01)

CPC (source: EP)

H01H 21/28 (2013.01); **H01H 1/242** (2013.01); **H01H 2001/5888** (2013.01); **H01H 2003/326** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 0237517A1

Cited by

US6762379B1; US6768069B1; EP1720185A3; EP1720186A3; US7365283B2

Designated contracting state (EPC)

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EP 1261002 A1 20021127; **EP 1261002 A4 20060823**; AU 9601701 A 20020515; CN 1215508 C 20050817; CN 1394347 A 20030129; JP 4026498 B2 20071226; JP WO2002037517 A1 20040311; TW 517254 B 20030111; WO 0237517 A1 20020510

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