

Title (en)
SMALL SWITCH

Title (de)
KLEINSCHALTER

Title (fr)
COMMUTATEUR DE DIMENSION REDUITE

Publication
EP 1261002 A1 20021127 (EN)

Application
EP 01976856 A 20011026

Priority
• JP 0109458 W 20011026
• JP 2000334009 A 20001031
• JP 2000334010 A 20001031

Abstract (en)
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)

Cited by
US6768069B1; US6762379B1; EP1720186A3; EP1720185A3; US7365283B2

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EP 01976856 A 20011026; AU 9601701 A 20011026; CN 01803252 A 20011026; JP 0109458 W 20011026; JP 2002540172 A 20011026; TW 90126965 A 20011031