Title (en)

SEALED INDIVIDUAL ELECTRIC SWITCH FIXED BY BEING INTERLOCKED ON A CIRCUIT BOARD

Title (de)

AUF EINE PRINTPLATTE EINSTECKBARER INDIVIDUELLER ABGEDICHTETER ELEKTRISCHER SCHALTER

Title (fr)

COMMUTATEUR ELECTRIQUE INDIVIDUEL ETANCHE FIXE PAR EMBO TEMENT SUR UNE PLAQUE A CIRCUITS

Publication

EP 1157398 B1 20040922 (FR)

Application

EP 00993662 A 20001222

Priority

- FR 0003664 W 20001222
- FR 9916512 A 19991227

Abstract (en)

[origin: US6501036B2] An electrical switch mounted on a circuit board and providing tactile feedback includes a domed tripper (18) and an elastomeric actuator (16) with a rod having an upper operating end (78) that can be depressed to snap down the tripper and close the switch. The actuator has a lower sealing lip (62) extending in a 360° circle around the tripper and lying against the circuit board upper face, to form a sealed cavity (56) containing the tripper. The 360° sealing lip of the actuator is pressed down against the circuit board by a cap (14) that has a side wall (26) with a lower edge (38) pressing down against the sealing lip. The cap has feet (42) extending down through holes in the circuit board, the feet having latches (48) that hold the cap in place.

IPC 1-7

H01H 13/52; H01H 13/70

IPC 8 full level

H01H 13/52 (2006.01); **H01H 13/04** (2006.01); **H01H 13/70** (2006.01); H01H 13/705 (2006.01)

CPC (source: EP KR US)

H01H 13/70 (2013.01 - KR); **H01H 13/7006** (2013.01 - EP US); H01H 13/705 (2013.01 - EP US); H01H 2205/018 (2013.01 - EP US); H01H 2205/02 (2013.01 - EP US); H01H 2205/024 (2013.01 - EP US); H01H 2215/012 (2013.01 - EP US); H01H 2215/036 (2013.01 - EP US); H01H 2221/064 (2013.01 - EP US); H01H 2223/054 (2013.01 - EP US); H01H 2233/034 (2013.01 - EP US); H01H 2233/10 (2013.01 - EP US)

Citation (examination)

US 5898147 A 19990427 - DOMZALSKI FRANK M [US], et al

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DOCDB simple family (publication)

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