

Title (en)

Sealed electrical contact assembly and electrical switch made therefrom.

Title (de)

Abgedichteter Kontaktzusammenbau und elektrischer Schalter der daraus hergestellt ist.

Title (fr)

Assemblage de contact électrique scellé et interrupteur électrique fabriqué à partir de cet assemblage.

Publication

EP 0081929 A2 19830622 (EN)

Application

EP 82306233 A 19821123

Priority

- US 32672381 A 19811202
- US 37183882 A 19820426

Abstract (en)

A sealed electrical contact assembly (10, 110) comprises a dielectric frame (14, 114) in which a plurality of aligned stationary electrical contact members (16, 18, 116, 118) are secured as opposing sets of contact members (16A, 18A, 116A, 118A) and movable electrical contact members (34, 134) interconnect each set of stationary contact members (16A, 18A, 116A, 118A). One (18A, 118A) of the opposing sets of stationary contact members (16A, 18A, 116A, 118A) and the movable contact members (34, 134) have matable pivot areas (32, 132, 36, 136) at which the movable contact members (34, 134) are mounted so that the movable contact members (34, 134) can be moved to a position electrically connecting the opposing sets of stationary contact members (16A, 18A, 116A, 118A). A membrane (42, 142) is sealingly secured onto the frame (14, 114) covering each set of stationary (16A, 18A, 116A, 118A) and movable contact members (34, 134) associated therewith. A housing (48, 148) is latchably secured onto the contact assembly (10, 110) and has movable members (50, 150) positioned in housing (48, 148) with spring-biased members (54, 154) engaging movable contact members (34, 134) through membrane (42, 142) to move movable contact members (34, 134) from one position electrically connecting the opposing sets of stationary contact members (16A, 18A, 116A, 118A) to another position disconnecting the opposing sets of stationary contact members (16A, 18A, 116A, 118A)

IPC 1-7

H01H 23/06; **H01H 23/16**

IPC 8 full level

H01H 23/00 (2006.01); **H01H 23/16** (2006.01); **H01H 11/00** (2006.01)

CPC (source: EP)

H01H 23/006 (2013.01); **H01H 23/168** (2013.01); **H01H 11/0056** (2013.01); **H01H 2001/0005** (2013.01)

Cited by

EP0572801A1; GB2161657A; EP0112651A1; EP1986204A3; US4772761A; EP0290171A1; US4839483A; GB2214353A; GB2214353B; FR2690781A1; GB2206735A; GB2206735B; WO8803322A1

Designated contracting state (EPC)

BE DE FR GB IT NL

DOCDB simple family (publication)

EP 0081929 A2 19830622; **EP 0081929 A3 19840829**; **EP 0081929 B1 19880302**; CA 1220806 A 19870421; DE 3278179 D1 19880407; DE 8233913 U1 19830304

DOCDB simple family (application)

EP 82306233 A 19821123; CA 415405 A 19821112; DE 3278179 T 19821123; DE 8233913 U 19821202