

Title (en)

VACUUM SWITCH WITH A CURRENT-LOOP ASSEMBLY

Title (de)

VAKUUMSCHALTER MIT EINER STROMSCHLEIFENANORDNUNG

Title (fr)

INTERRUPTEUR A VIDE AVEC UN MONTAGE EN BOUCLE DE COURANT

Publication

EP 0632928 B1 19960103 (DE)

Application

EP 93905196 A 19930312

Priority

- DE 9300242 W 19930312
- DE 4210714 A 19920327

Abstract (en)

[origin: WO9320571A1] The vacuum switch described has a vacuum tube (10) operated by means of a lever assembly via an actuator. A two-arm actuator lever (51) is mounted to pivot on a displaceable connector bolt (15) on the tube (10) and operates in conjunction with a stop surface (57) against which the actuator lever (51) can be placed by means of a contact spring (43). A flexible, loop-shaped strip conductor (17) is used to neutralize lifting forces which tend to break the contact, the strip conductor (17) being disposed between the arms (52) of the actuator lever (51) in such a way that one arm (16) of the strip conductor contacts the central section (53) of the actuator lever while the other arm (18) is fixed rigidly in place. The current-loop/lever assembly described is suitable for use in the construction of compact power switches.

IPC 1-7

H01H 33/66; **H01H 77/10**

IPC 8 full level

H01H 33/66 (2006.01); **H01H 33/38** (2006.01); **H01H 33/666** (2006.01); **H01H 77/10** (2006.01); **H01H 33/02** (2006.01)

CPC (source: EP US)

H01H 33/666 (2013.01 - EP US); **H01H 77/101** (2013.01 - EP US); **H01H 33/022** (2013.01 - EP US)

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

WO 9320571 A1 19931014; DE 4210714 A1 19930930; DE 59301350 D1 19960215; EP 0632928 A1 19950111; EP 0632928 B1 19960103; JP 3983797 B2 20070926; JP H07505252 A 19950608; US 5528009 A 19960618

DOCDB simple family (application)

DE 9300242 W 19930312; DE 4210714 A 19920327; DE 59301350 T 19930312; EP 93905196 A 19930312; JP 51695493 A 19930312; US 30782094 A 19940927