

Title (en)

OPERATING DEVICE FOR AN ELECTRICAL SWITCH WITH PRESSURE CONTACTS, PARTICULARLY FOR A VACUUM SWITCH

Publication

EP 0172986 B1 19901227 (DE)

Application

EP 85103785 A 19850329

Priority

CH 416784 A 19840831

Abstract (en)

[origin: US4654494A] A reciprocatingly movable actuating rod is coupled to a longitudinally translatable contact plunger through a linkage and a stationarily arranged S-shaped guideway. A compression spring which is compressible during the course of a switching engagement stroke also acts upon the contact plunger. In order to keep especially the contact plunger as free as possible from transverse forces during the switching stroke and to keep the actuating rod unloaded both in the engaged position and in the disengaged switching stroke position, one end of the actuating rod, which extends perpendicular to the direction of motion of the contact plunger, carries a journal pin engaging the guideway. One end of a connecting rod included in the linkage is pivotably connected to the journal pin. The other end of the connecting rod is pivotably connected to the contact plunger through an entrainment sleeve. The compression spring, which pivots conjointly with the connecting rod, is supported at one end on the connecting rod and at the other end on a coupling sleeve defining the entrainment sleeve on the contact plunger. The guideway is configured such that it has end regions respectively associated with the engaged and disengaged switching stroke positions and which extend perpendicular to the connecting rod.

IPC 1-7

H01H 33/66

IPC 8 full level

H01H 33/66 (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP US)

H01H 33/666 (2013.01 - EP US); **H01H 2033/66246** (2013.01 - EP US); **H01H 2033/6667** (2013.01 - EP US); **Y10T 74/18888** (2015.01 - EP US); **Y10T 74/18896** (2015.01 - EP US)

Cited by

CN102522255A; DE19852530C1; US5523536A; DE3726739A1; DE4133091A1; US5512724A; WO9307635A1; WO9218997A1; WO9307634A1

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