

Title (en)
PRESSURE SWITCH DEVICE

Title (de)
DRUCKSCHALTEINRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION PAR PRESSION

Publication
EP 1145266 A1 20011017 (EN)

Application
EP 00906206 A 20000118

Priority
• EP 0000364 W 20000118
• GB 9901327 A 19990121

Abstract (en)
[origin: WO0044017A1] A pressure switch device (1) is disclosed in which an electrical switch (3) is operated when a fluid pressure (P) in a working pressure chamber (34) acting on an operating diaphragm (9) exceeds a limit value. A pivotally mounted T-shaped switch actuator (4) has its main limb extending generally along the longitudinal axis of the switch device when no fluid pressure is received in the working pressure chamber. A compression spring (5), when adjusted, acts against the indicator (4), thereby changing the resistance force acting against the fluid pressure (P) and therefore providing adjustment for the pressure limit value at which the pressure switch device responds. The switch (3) and the compression spring (5), are arranged on opposite sides of the T main limb, thereby providing a compact arrangement for the switch device. The main limb of the T-actuator includes a cantilevered actuating arm (40) which can be laterally deflected by a setting screw (52), for factory adjusting the position of an actuating part or operating tongue (22) of the switch (3) when no fluid pressure is admitted to the working pressure chamber (34).

IPC 1-7
H01H 35/26

IPC 8 full level
H01H 35/26 (2006.01); **H01H 5/18** (2006.01); **H01H 35/34** (2006.01)

CPC (source: EP)
H01H 35/2614 (2013.01); **H01H 35/2635** (2013.01); **H01H 5/18** (2013.01); **H01H 35/34** (2013.01)

Citation (search report)
See references of WO 0044017A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0044017 A1 20000727; AU 2797300 A 20000807; EP 1145266 A1 20011017; GB 9901327 D0 19990310

DOCDB simple family (application)
EP 0000364 W 20000118; AU 2797300 A 20000118; EP 00906206 A 20000118; GB 9901327 A 19990121