

Title (en)
ELECTROMECHANICAL PRESSURE SWITCH WITH DISADVANTAGEOUS-LEVER AMPLIFICATION SYSTEM

Title (de)
ELEKTROMECHANISCHER DRUCKSCHALTER MIT VERSTÄRKUNGSSYSTEM MIT ABTRÄGLICHEM HEBEL

Title (fr)
PRESSOSTAT ÉLECTROMÉCANIQUE À SYSTÈME D'AMPLIFICATION À LEVIER DE DÉMULTIPLICATION

Publication
EP 2377137 B1 20130619 (EN)

Application
EP 09797008 A 20091214

Priority
• EP 2009067063 W 20091214
• IT MI20082250 A 20081218

Abstract (en)
[origin: WO2010069911A1] An electromechanical pressure switch is described comprising a hollow body formed by a base (1) and a cap (9), between which an elastically deformable membrane (5) is clamped and closes a pressure sensing chamber (4) which communicates with an inlet hole (3) for a pressurized fluid, and lever means (15) for transmitting the deformation of the membrane (5) caused by the pressurized fluid to an actuating push button (22) of a switchable microswitch (23). The lever means (15) consist of a one-piece third-kind lever (15), comprising a first end bend (16) clamped together with said membrane (5) between said base (1) and said cap (9) and a flat part (18) which bears at the free end a projecting rib (21) for controlling said actuating push button (22) of the microswitch (23). The flat part (18) of the lever (15) is adjustably fixed to an adjusting screw (13) having an axis coinciding with that of the pressure switch which has a spherical tip (12) in contact with a central point (11) of the membrane (5).

IPC 8 full level
H01H 35/26 (2006.01)

CPC (source: EP)
H01H 35/2635 (2013.01); **H01H 3/46** (2013.01); **H01H 35/34** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010069911 A1 20100624; CN 102171781 A 20110831; CN 102171781 B 20140611; EP 2377137 A1 20111019; EP 2377137 B1 20130619; HK 1160983 A1 20120817; IT 1392477 B1 20120309; IT MI20082250 A1 20100619

DOCDB simple family (application)
EP 2009067063 W 20091214; CN 200980150580 A 20091214; EP 09797008 A 20091214; HK 12101277 A 20120209; IT MI20082250 A 20081218