

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  
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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).

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