

Title (en)
PRESSURE SWITCH

Publication
EP 0507002 A3 19921209 (DE)

Application
EP 91119839 A 19911121

Priority
CH 97591 A 19910402

Abstract (en)
[origin: EP0507002A2] The switching device (26) of the pressure switch (10) has a stationary contact element (30) and a moving contact element (32) which is coupled to a snap spring (50). These contact elements (30, 32), which form a switch contact, are arranged between a clamping-in point (62) on the housing and an operating point (44) at which a membrane (24) engages by means of a plunger (46) on a leaf spring (34) which operates the switch contact. In this case, the operating point (44) is located on a longer lever arm than the switch contact. This causes a force transfer from the membrane movement to the switch contact and, through the amplification of the contact pressure, ensures increased electrical switching reliability. <IMAGE>

IPC 1-7
H01H 35/34; **H01H 35/26**; **H01H 5/18**; **H01H 35/02**; **H01H 11/00**

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

CPC (source: EP KR)
H01H 35/24 (2013.01 - KR); **H01H 35/2607** (2013.01 - EP); **H01H 35/34** (2013.01 - EP); **H01H 5/18** (2013.01 - EP)

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Designated contracting state (EPC)
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