

Title (en)
MULTIPLE PRESSURE SWITCH

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EP 0347904 B1 19920902 (DE)

Application
EP 89111369 A 19890622

Priority
DE 3821425 A 19880624

Abstract (en)
[origin: EP0347904A2] A membrane (14), which is clamped in at its edge (16), has a flat centre field (18) as well as a rolling fold (20) arranged between the latter and its edge (16). Three switches (36, 36', 36'') can be actuated by pressure acting on the membrane (14). For transmitting the actuation forces resulting from the pressure on the membrane (14) to coupling points (32, 32', 32'') on one of the switches (36, 36', 36'') in each case, a support plate (22) is provided. The centre field (18) of the membrane (14) can only be displaced to the edge (16) of the membrane (14) together with the support plate (22). The support plate (22) is supported at the coupling points (32, 32') of two switches (36, 36') so as to be tiltable in such a way that the active area of the membrane (14), defined by the centre field (18) and an adjoining part of the rolling fold (20), shifts towards the other of these two switches when one of these two switches (36, 36') is actuated. In this way it is achieved that these two switches (36, 36') reliably switch in a given order even if their switching pressures differ only slightly from one another. <IMAGE>

IPC 1-7
H01H 35/24; H01H 35/26

IPC 8 full level
H01H 35/24 (2006.01); **H01H 35/26** (2006.01)

CPC (source: EP)
H01H 35/2664 (2013.01)

Cited by
DE102004041403B3; US5796056A; DE19637607A1; DE19610254C1; EP0795884A3; WO9520232A1

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