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Electrical switch assemblies.

A joystick switch assembly has a lever (3) which can pivot about a central point (7), with a plurality of switches (22) distributed about that point. The lever (3) operates two sliders (11, 12) in mutually transverse directions, only one slider being movable at a time. The sliders (11, 12) carry spring loaded plungers (20) which co-operate with the switches (22). When a slider (11, 12) is moved by tilting the lever (3) from a central, neutral position, the plungers (20) carried by that slider operate associated switches (22). But when the lever (3) is released, the spring loading (19) pushes the slider back, causing the lever (3) to revert to the neutral position, and the plungers (20) follow to their initial positions causing the switches (22) also to revert. The principle is also applicable to a switch assembly in which the operating lever moves in only one plane.

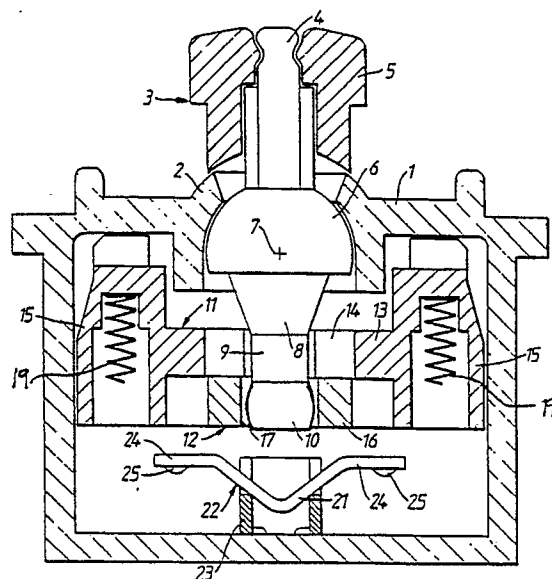


Fig.1.



EP 89 30 6324

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	US-A-4254310 (ALCO ELECTRONIC PRODUCTS) * column 2, line 20 - column 3, line 68; figure 1 *	1	H01H25/04 H01H23/16
A	---	2	
Y	DE-A-2453958 (SWF-SPEZIALFABRIK GUSTAV RAU) * page 5, lines 5 - 10; figure *	1	
A	---		
A	US-A-2782279 (CASCO PRODUCTS CORP.) * column 3, lines 45 - 52; figures 1, 4 *	1	
A	---		
A	DE-A-3238048 (W. GESSMANN GMBH) * abstract; figures 4, 5 *	3	
A	---		
A	US-A-4531027 (DEERE & COMPANY) * column 2, lines 30 - 59 *	3	

			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			H01H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 04 OCTOBER 1990	Examiner JANSSENS DE VROOM P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			