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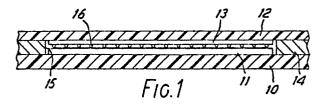
Membrane switch.

(57) A membrane switch is provided which comprises a base layer (10) of non-conductive material, a static circuit in the form of a first electrical conductor or conductors (11) mounted on said base layer, a spacer layer (14) having at least one aperture (15) therein which is coincident with said first conductor or conductors (11), a dynamic circuit in the form of a second electrical conductor or conductors (13) coincident with said aperture facing said first electrical conductor or conductors (11), and a resilient membrane (12) covering said second conductor or conductors (13).

Within the area bounded by the aperture a discontinuous layer of non-conductive material (16) is provided between said first conductor or conductors and said second conductor or conductors, whereby the first conductor or conductors is/are spaced from the second conductor or conductors until the resilient membrane is depressed by the user's finger and contact is made between the opposed first and second conductors in zones free of the non-conductive material.

In this manner advantage can be made of the deformable texture of the fleshy pad of the finger in that the latter will press one conductor (13) on both sides of a line of non-conductive material (16) into contact with its opposite conductor the pad tem-

porarily deforming to accommodate the non-conductive line.



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EUROPEAN SEARCH REPORT

Application Number

EP 87 30 2141

Category	Citation of document with in of relevant pa	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Х	FR-A-2 520 923 (SH * Page 4, lines 14-	ARP K.K.)	1,9,14	H 01 H 13/70
A	page 1, lines 3-4 *		10	
Х	GB-A-2 107 933 (SH * Page 3, lines 25-	34,99-102,127-130;	1-2,7, 11-12	
A	page 4, lines 89-95	; figures lc,4d *	10	
X	US-A-4 317 013 (A. * Claims 4-6; colum 39-40,64-68; figure	n 3, lines	1-6,14	
A			8	
A	GB-A-2 084 405 (RO * Page 1, lines 77- 11-19; figure 3 * 		1,8,13- 14	
				TECHNICAL FIELDS SEARCHED (Int. Cl.4)
				H 01 H 13/00
	The present search report has b	een drawn up for all claims Date of completion of the search	_	Examiner
ТН	E HAGUE	16-08-1988	DIO	U J.M.
X:par Y:par do A:teo	CATEGORY OF CITED DOCUME rticularly relevant if taken alone rticularly relevant if combined with an cument of the same category hnological background n-written disclosure	E : earlier patent d after the filing other D : document cited L : document cited	ocument, but pub date l in the applicatio for other reasons	lished on, or n