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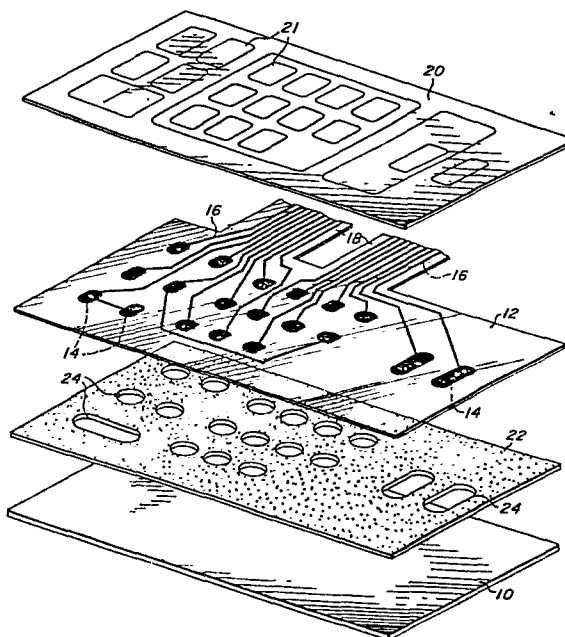
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(84) Designated Contracting States:
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(54) Membrane keyboard assembly.

(57) The assembly includes a flexible insulating film (12) with indicia (21) visible on the upper surface and conductive contacts (14, 16, 18) on the lower surface. The top film may be comprised of two separate films (20, 12) for ease of applying the indicia and the contacts. The other contact of each SPST switch is a ground or reference contact formed by a chassis (10) or other relatively large and rigid conductive surface. A resilient spacer (22) is retained between the upper and lower switch contact surfaces and contains an aperture in registration with each upper switch contact.



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EUROPEAN SEARCH REPORT

Application number

EP 82 10 0748

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. ³)
X	US-A-4 090 045 (R.E. MARSH) * Column 4, line 9 - column 5, line 31 ; figures 3, 6 *	1,3	H 01 H 13/70
X	DE-A-2 926 312 (LICENTIA PATENT-VERWALTUNGS-GMBH) * Claims 1, 3, 6 ; page 5, line 24 - page 6, line 3, page 7, lines 4-8 ; figures 1, 2 *	1,3	
A	US-A-4 249 054 (S. KOMAKI) * Column 1, line 65 - column 2, line 19 ; figures 1, 3 *		
A	MACHINE DESIGN, vol. 52, no. 7, April 1980, Cleveland, Ohio, USA J.K. HAGGERTY "membrane switches low-cost companion for electronic logic", pages 90-95		
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
			H 01 H 13/70 G 06 F 3/02
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 01-03-1983	Examiner RUPPERT W
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			