

Title (en)  
Membrane switch.

Title (de)  
Membranschalter.

Title (fr)  
Interrupteur à membrane.

Publication  
**EP 0240192 A2 19871007 (EN)**

Application  
**EP 87302141 A 19870312**

Priority  
GB 8606457 A 19860315

Abstract (en)  
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 temporarily deforming to accommodate the non-conductive line.

IPC 1-7  
**H01H 13/70**

IPC 8 full level  
**H01H 13/702** (2006.01); **H01H 13/703** (2006.01)

CPC (source: EP)  
**H01H 13/702** (2013.01); **H01H 13/703** (2013.01); **H01H 2211/01** (2013.01); **H01H 2211/014** (2013.01); **H01H 2211/022** (2013.01); **H01H 2227/024** (2013.01); **H01H 2239/03** (2013.01)

Cited by  
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