

Title (en)
MICRO-MECHANICAL SWITCH AND METHOD FOR MAKING SAME

Title (de)
MIKROMEKANISCHER SCHALTER UND VERFAHREN ZUR HERSTELLUNG

Title (fr)
COMMUTATEUR MICRO-MECANIQUE ET PROCEDE DE REALISATION

Publication
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Application
EP 03815100 A 20031209

Priority

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Abstract (en)
[origin: US2005280974A1] The micromechanical switch comprises a deformable bridge (1), attached via its ends to a substrate (2), and actuating means (3) to deform the deformable bridge (1) so as to make an electric contact between a first conducting element (4) formed on the substrate (2), between the bridge (1) and the substrate (2), and a second conducting element (5), securedly affixed to a bottom face of the bridge. The second conducting element (5) is permanently connected, by means of a conducting line (6) securedly affixed to the bridge (1), to a third conducting element (7) arranged on the substrate (2) at the periphery of the bridge (1). The bridge (1) comprises a first insulating layer wherein a hole (10) is drilled, in which hole a conducting material is arranged salient from the bottom face of the bridge (1) so as to form the second conducting element (5).

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