

Title (en)

BISTABLE MICROMECHANICAL SWITCH, ACTUATING METHOD AND CORRESPONDING METHOD FOR REALIZING THE SAME

Title (de)

BISTABILER MIKROMECHANISCHER SCHALTER, BETÄTIGUNGSVERFAHREN UND ENTSPRECHENDES VERFAHREN ZU SEINER REALISIERUNG

Title (fr)

COMMUTATEUR MICRO-MECANIQUE BISTABLE, METHODE D' ACTIONNEMENT ET PROCEDE DE REALISATION CORRESPONDANT

Publication

**EP 1652205 B1 20070829 (FR)**

Application

**EP 04767777 A 20040726**

Priority

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- FR 0309534 A 20030801

Abstract (en)

[origin: US2006192641A1] A deformable suspension bridge is attached to a substrate by two legs arranged in such a manner as to transversally subdivide the bridge into a medial segment arranged between the legs and into two outwardly projecting peripheral segments. Peripheral actuators and medial actuators enable the peripheral segments and the medial segment to be respectively and independently deformed perpendicularly to the substrate. As a result, an electrical contact between a first conductive element formed on the substrate, while being situated between the bridge and substrate, and a second conductive element, which is integrally secured to the underside of the bridge, can be made or broken, the switch whereby taking two mechanically stable positions.

IPC 8 full level

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CPC (source: EP US)

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