

Title (en)

LOW CONSUMPTION AND LOW ACTUATION VOLTAGE MICROSWITCH

Title (de)

MEMS MIT NIEDRIGER BETÄTIGUNGSSPANNUNG UND NIEDRIGER LEISTUNGS-AUFNAHME

Title (fr)

MICROCOMMUTATEUR A FAIBLE TENSION D'ACTIONNEMENT ET FAIBLE CONSOMMATION

Publication

EP 1743349 B1 20131009 (FR)

Application

EP 05751606 A 20050404

Priority

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- FR 0403586 A 20040406

Abstract (en)

[origin: WO2005101434A2] A microswitch comprises a deformable membrane (12) including two substantially parallel flexure arms (13), attached to a substrate via at least one end thereof and comprising thermal actuating means (4). An elongated contact arm (14), substantially parallel with the flexure arms (13), is arranged therebetween and attached thereto at the high deformation areas thereof. The contact arm (14) moves in a direction substantially parallel to the substrate upon actuation of the microswitch, and comprises electrostatic holding electrodes (15) and a conducting pad (6).

IPC 8 full level

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CPC (source: EP US)

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