

Title (en)

Method for designing a micro electromechanical device with reduced self-actuation

Title (de)

Verfahren zum Entwurf einer mikroelektromechanischen Vorrichtung mit verringerter Selbstbetätigung

Title (fr)

Procédé de conception d'un dispositif micro-électromécanique avec auto-déclenchement réduit

Publication

EP 1675148 B1 20091202 (EN)

Application

EP 05112976 A 20051223

Priority

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- EP 05103893 A 20050510
- EP 05112976 A 20051223

Abstract (en)

[origin: EP1675148A1] Method for designing a micro electromechanical device comprising a first conductor and a second conductor having a collapsible portion which in use may be attracted by the first conductor as a result of an RF induced force. In use, the collapsible portion is movable between a distant position further from a principal actuation area, through which the first conductor extends, to a proximate position closer to the principal actuation area. The method comprises the step of laterally offsetting the first conductor by a predetermined distance from a region of maximum actuation liability on the collapsible portion of the second conductor. The distance of the lateral offset is determined such that the precondition is met that the device can withstand a given RF induced attraction force which may in use occur between the first and second conductors.

IPC 8 full level

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