

Title (en)

Dual motion electrostatic actuator design for mems micro-relay

Title (de)

Elektrostatischer Betätiger mit doppeltem Antrieb für mems mikro-relais

Title (fr)

Actuateur électrostatique à mouvement double pour mems micro-relais

Publication

EP 1093142 A2 20010418 (EN)

Application

EP 00203564 A 20001016

Priority

US 41942299 A 19991015

Abstract (en)

A dual micro-electromechanical actuator for providing dual actuation to a micromachine. The actuator includes a first substrate upon which a first actuating electrode is formed. A second substrate located proximate to but spaced from the first substrate supports a second actuating electrode. A micromachine device, such as a thin membrane, plate or cantilever, is disposed between the actuating electrodes. When one of the actuating electrodes is selectively activated by applying a voltage thereto, an electrostatic attraction force is produced which causes movement of the micromachine in the direction of the activated actuating electrode. <IMAGE>

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IPC 8 full level

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Cited by

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