

Title (en)
FLEXIBLE ELEMENT FOR A MICRO-PUMP

Title (de)
FLEXIBLES ELEMENT FÜR MIKROPUMPE

Title (fr)
ELEMENT FLEXIBLE POUR MICRO-POMPE

Publication
EP 2510236 A1 20121017 (FR)

Application
EP 10803638 A 20101119

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Abstract (en)
[origin: EP2333340A1] The micro-pump has a pumping chamber (4) communicating with exterior via a flexible diaphragm (2). The diaphragm is secured to an actuator (5) e.g. piezoelectric bi-morph or multi-morph actuator or shape memory alloy actuator, arranged at the exterior of the micro-pump. The diaphragm is secured to the actuator by an element that is in the form of a strip (6), which is rigid along its main axis and flexible in the direction perpendicular to the main axis, where the strip is made of stainless steel. The actuator has a fixed end (8) fixed on a rigid support plate (11) that is made of ceramic.

IPC 8 full level
F04B 43/04 (2006.01)

CPC (source: EP US)
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