

Title (en)  
PIEZOELECTRIC ACTUATOR

Title (de)  
PIEZOAKTOR MIT ELEMENTEN ZUR BEWEGUNGSSTABILISIERUNG

Title (fr)  
ACTIONNEUR PIEZO-ELECTRIQUE

Publication  
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Application  
**EP 00941926 A 20000524**

Priority  
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Abstract (en)  
[origin: DE19928185A1] The invention relates to a piezoelectric actuator that comprises at least one piezoelectric element (2; 21; 31; 41, 42) that impinges an actuator with a tensile or pressure force. The piezoelectric actuator is further provided with stabilization elements (9; 22) that are mounted in parallel to the piezoelectric element (2; 21; 31; 41, 42) with a flexible intermediate layer (11) interposed between the elements. The piezoelectric element (2; 21; 31; 41, 42) and the stabilization elements (9; 22) have a larger length in their effective direction (z axis) compared to their width that runs transversal to the effective direction (x, y direction).

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**H01L 41/083; H01L 41/053**

IPC 8 full level  
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