Title (en)

PIEZOELECTRIC ACTUATOR

Title (de)

PIEZOELEKTRISCHER AKTOR

Title (fr)

ACTIONNEUR PIEZOELECTRIQUE

Publication

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Application

EP 99964392 A 19991203

Priority

- DE 9903873 W 19991203
- DE 19857247 A 19981211

Abstract (en)

[origin: DE19857247C1] The invention relates to a piezoelectric actuator (1), especially for actuating control valves or injection valves of internal combustion engines in motor vehicles. Said actuator comprises a piezoelectric actuator body (1), especially in the form of a multilayered laminate consisting of tiered layers of piezoelectric material and metallic or electro-conductive layers which are arranged therebetween and which serve as electrodes. One of the front surfaces of the actuator body (1) is fixed to an actuator base (6) having good thermal conductibility or being metallic. The piezoelectric actuator is characterised in that at least one heat sink (5; 5.1, 5.2) with good thermal conductibility is connected to the lateral surfaces of the actuator body (1) and to the actuator base (6) in such a way that heat is conducted well.

IPC 1-7

H01L 41/083; H01L 41/053; F02M 59/46; F02M 51/06

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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