

Title (en)

Piezoelectric injection valve with means to compensate for the thermal expansion of piezoelectric actuator

Title (de)

Einspritzventil mit Mitteln zur Kompensation der thermischen Längenänderung eines Piezoaktors

Title (fr)

Soupape à injection avec moyens de compensation de la dilatation thermique d'un organe d'actionnement piézoélectrique

Publication

EP 0869278 B1 20040324 (DE)

Application

EP 98106153 A 19980403

Priority

DE 19713982 A 19970404

Abstract (en)

[origin: EP0869278A1] The injection valve incorporates a controllable actuator (2). This is accommodated in an actuator housing (8) which is rigidly attached to a valve housing (19). The actuator is connected in effect to the injection needle (4) and controls it for fuel injection. The actuator housing of the valve especially has a coefficient of thermal expansion which is approximately equal to the coefficient of thermal expansion of the piezoelectric actuator. This avoids trouble due to differential expansion during temperature changes.

IPC 1-7

F02M 51/06; **F02M 61/08**

IPC 8 full level

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CPC (source: EP)

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Cited by

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