

Title (en)

SEALING ARRANGEMENT OF A PIEZOACTUATOR FOR A FUEL INJECTION VALVE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

ABDICHTUNGSAORDNUNG EINES PIEZOAKTORS FÜR EIN KRAFTSTOFFEINSPRITZVENTIL EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF D'ÉTANCHÉITÉ D'UN ACTIONNEUR PIÉZOÉLECTRIQUE POUR UNE SOUPAPE D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

Publication

**EP 2038541 B1 20110413 (DE)**

Application

**EP 07765689 A 20070628**

Priority

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- DE 102006029966 A 20060629

Abstract (en)

[origin: US2009283072A1] A sealing arrangement of a piezoactuator (12) for a fuel injection valve of an internal combustion engine, has connecting pins (14) projecting out of the piezoactuator (12) and a head arrangement (16, 18) placed on to the piezoactuator (12), which is provided with openings (20) for the penetration of the connecting pins (14), wherein a liquid-tight sealing element (30) abuts against the outer surfaces of the connecting pins (14) on one side and also against the head arrangement (16, 18) on the other. In order to ensure a reliable seal with this arrangement, in particular also over extended periods of time, the sealing element (30) abuts against the outer surfaces of the connecting pins (14) located inside the openings (20), and sealing element sections (32) located inside the openings (20) are radially compressed in the openings.

IPC 8 full level

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CPC (source: EP US)

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