

Title (en)

FUEL INJECTOR COMPRISING A DIRECTLY TRIGGERED INJECTION VALVE MEMBER

Title (de)

KRAFTSTOFFINJEKTOR MIT DIREKT ANGESTEUERTEM EINSPRITZVENTILGLIED

Title (fr)

INJECTEUR DE CARBURANT DOTE D'UN ELEMENT DE SOUPAPE D'INJECTION A COMMANDE DIRECTE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005068821A1] The invention relates to a fuel injector (1) comprising a piezo actuator (2) which directly actuates an injection valve member (20) and acts upon a transmission piston (15). One face (18) of said transmission piston (15) impinges a hydraulic coupling chamber (19) in order to actuate the injection valve member (20). The piezo actuator (2) is accommodated in a hollow space (4) within the injector housing (27) which is filled with a fuel volume (5) that is subject to great pressure. The inventive fuel injector is characterized in that the diameter (17) (d2) of a sealing edge (9) in the base area (6) of the actuator corresponds to the diameter (16) (d1) of the transmission piston (15).

IPC 8 full level

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