

Title (en)

FUEL-INJECTION DEVICE, IN PARTICULAR FOR INTERNAL COMBUSTION ENGINES WITH DIRECT FUEL-INJECTION

Title (de)

KRAFTSTOFF-EINSPRITZVORRICHTUNG, INSBESONDERE FÜR BRENNKRAFTMASCHINEN MIT KRAFTSTOFF-DIREKTEINSPRITZUNG

Title (fr)

DISPOSITIF D'INJECTION DE CARBURANT, NOTAMMENT POUR MOTEUR A COMBUSTION INTERNE A INJECTION DIRECTE DE CARBURANT

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004070191A1] The invention relates to a fuel-injection device (24) comprising a housing (30), in addition to an external valve element (42) with a cavity (64). An internal valve element (44), which comprises at least one sealing section (70) that co-operates with the valve seat (36) and an actuating section (72) that is connected to said sealing section, is located in said cavity. The sealing section (70) and actuating section (72) have different diameters. According to the invention, the cavity (64) in the external valve element (42), which houses the internal valve element (44), comprises sections (66, 68) with different diameters, which are at least approximately adapted to the diameters of the sections (70, 72) of the internal valve elements (44).

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