

Title (en)

LEAK-REDUCED PRESSURE-CONTROLLED FUEL INJECTOR

Title (de)

LECKAGEREDUZIERTER DRUCKGESTEUERTER KRAFTSTOFFINJEKTOR

Title (fr)

INJECTEUR DE CARBURANT COMMANDE PAR PRESSION, A REDUCTION DE FUITE

Publication

**EP 1387946 A1 20040211 (DE)**

Application

**EP 02740295 A 20020426**

Priority

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- DE 10122245 A 20010508

Abstract (en)

[origin: WO02090759A1] The invention relates to a device for the injection of fuel into the combustion chamber of an internal combustion engine. A control unit (1) is provided, in which a housing chamber (4) is embodied, continuously pressurised with high pressure fuel by means of an inlet on a storage chamber (common rail). The high pressure fuel constantly pressurises a control chamber (6) of a control valve body (5), by means of an inlet throttle (7), whereby the control valve body (5) opens or closes a nozzle supply (14) to an injection nozzle. A pressure piece (21), defining the control chamber (6), is provided in the housing chamber (4) of the control unit (1), located on a planar surface (23) on the housing (2) and containing an outlet throttle (28) which relieves the pressure of the control chamber (6) and which is controlled by means of a servo valve (24).

IPC 1-7

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IPC 8 full level

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