

Title (en)
FUEL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)
SYSTEME D'INJECTION DE CARBURANT POUR MOTEUR THERMIQUE

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Application
EP 00953005 A 20000705

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Abstract (en)
[origin: DE19931282C1] The invention relates to a fuel injection system for an internal combustion engine. The inventive fuel injection system comprises a high-pressure pump (1) for delivering the fuel from a fuel reservoir (2) and a number of fuel injectors (5) for injecting the fuel into the combustion chamber of the internal combustion engine. The system is further provided with a high-pressure fuel line (4) that links the high-pressure pump (1) with the fuel injectors (5) and that contains a high-pressure reservoir (3). A fuel return line (11) returns the fuel that was not injected by the fuel injectors (5) and a leakage line (12) returns the leakage amounts that occur at the fuel injectors (5). According to the invention, the high-pressure fuel line (4), the fuel return line (11) and the leakage line (12) are combined in a common fuel line (13) which is characterized by cross-sections of flow that are separated from one another by walls and that correspond to the individual lines (4, 11, 12).

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