

Title (en)

Fuel injection system for an internal combustion engine with a pressure amplifier

Title (de)

Kraftstoffeinspritzsystem für eine Brennkraftmaschine mit einer Druckübersetzungseinheit

Title (fr)

System d'injection de carburant pour un moteur à combustion interne avec un multiplicateur de pression

Publication

**EP 1125046 B1 20041103 (DE)**

Application

**EP 00958196 A 20000802**

Priority

- DE 0002551 W 20000802
- DE 19939422 A 19990820

Abstract (en)

[origin: DE19939422A1] The invention relates to a fuel injection system (1) for an internal combustion engine. The fuel which is supplied by means of a high-pressure pump (5) can be injected into the combustion chamber of the internal combustion engine by means of injectors (9), whereby the fuel is provided with at least two different fuel pressures. At least one central pressure transmission unit (10) for all the injectors (9) is provided between the high-pressure pump (5) and the injectors (9). The pressure transmission unit can be specifically controlled if required, whereby the volume of the fuel that is subjected to a higher pressure can be better controlled and losses due to friction can be reduced accordingly.

IPC 1-7

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IPC 8 full level

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Cited by

DE102007014455A1; DE102007021327A1; DE102007021326A1; WO2008135349A1; DE102007022857A1; US8281767B2; WO2008138790A1

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