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 A COMBUSTION INTERNE

Publication

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Application

**EP 00958211 A 20000802**

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- DE 19939423 A 19990820

Abstract (en)

[origin: DE19939423A1] The invention relates to a fuel injection system (1) for an internal combustion engine. According to the inventive system, the fuel is injected into the combustion chamber of the internal combustion engine via injectors (10; 61) with at least two different fuel pressures. A hydraulic pressure multiplicator (11) that generates the higher fuel pressure is provided in parallel to a by-pass line (19). Said pressure multiplicator (11) can be activated and deactivated via a valve unit (13). The invention provides a fuel injection system with an improved efficiency since the pressure multiplicator is not permanently operated and the losses through friction are reduced.

IPC 1-7

**F02M 59/10**; F02M 41/02; F02M 41/16; F02M 45/00; F02M 47/02; F02M 57/02

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 0114727A1

Cited by

DE102007021327A1; DE102007014455A1; WO2008107220A1; DE102007010495A1; EP2402588A1

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