

Title (en)

INJECTION SYSTEM FOR A COMBUSTION ENGINE, PARTICULARLY FOR A DIESEL ENGINE

Title (de)

EINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE, INSBESONDERE FÜR EINEN DIESELMOTOR

Title (fr)

SYSTEME D'INJECTION POUR MOTEUR A COMBUSTION INTERNE, NOTAMMENT MOTEUR DIESEL

Publication

EP 1627146 B1 20070418 (DE)

Application

EP 04787218 A 20040927

Priority

- EP 2004052318 W 20040927
- DE 10350892 A 20031031

Abstract (en)

[origin: WO2005042966A1] The invention relates to an injection system for a combustion engine, particularly for a diesel engine, comprising a high-pressure pump (1) for feeding fuel into at least one injector (4.1, 4.2, 4.3, 4.4) via at least one fuel line (5.1, 5.2, 5.3, 5.4) running between the high-pressure pump and the injector, and comprising a presupply pump, which is mounted upstream from the high-pressure pump and which serves to convey fuel out of a fuel tank and into the high-pressure pump. The inside diameter of the fuel line between the outlet of the high-pressure pump and the injector ranges from 0.025 to 0.065 l/cm<2> in relation to the integrated pump volume, whereby the volume of the injector ranges from 0.075 to 0.25 in relation to the integrated pump volume.

IPC 8 full level

F02M 55/02 (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP)

F02M 55/02 (2013.01); **F02M 55/025** (2013.01); **F02M 63/0225** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 2005042966 A1 20050512; DE 10350892 A1 20050609; DE 502004003549 D1 20070531; EP 1627146 A1 20060222; EP 1627146 B1 20070418

DOCDB simple family (application)

EP 2004052318 W 20040927; DE 10350892 A 20031031; DE 502004003549 T 20040927; EP 04787218 A 20040927