

Title (en)
FUEL INJECTION SYSTEM

Title (de)
KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)
SYSTÈME D'INJECTION DE CARBURANT

Publication
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Application
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Abstract (en)
[origin: WO2016135369A1] The fuel injection system for a piston engine (1) comprises a low-pressure pump (7, 7a, 7b, 7c), a high-pressure pump (5, 5a, 5b, 5c), a fuel accumulator (4, 4a, 4b, 4c) connected to the high-pressure pump(s) (5, a, 5b, 5c), a fuel injector (3) for injecting the fuel into a cylinder (2) of the engine (1), and at least two flow control valves (6a, 6b, 6c, 6d, 6e, 6f), which are arranged between a low-pressure pump (7, 7a, 7b, 7c) and a high-pressure pump (5, 5a, 5b, 5c) for controlling the amount of the fuel supplied to the high-pressure pump (5, 5a, 5b, 5c). At least one of the flow control valves (6a, 6b, 6c, 6d, 6e, 6f) is a normally open valve and at least one of the flow control valves (6a, 6b, 6c, 6d, 6e, 6f) is a normally closed valve.

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