

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

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Application
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Abstract (en)
[origin: US6520153B1] In a fuel injection system for an internal combustion engine, in which fuel can be injected at at least two differently high fuel pressures via injectors into the combustion chamber of the engine, having a central distributor device for distributing the fuel to the individual injectors and having a central pressure reservoir for the lower fuel pressure, one valve unit for switchover between the two fuel pressures is provided locally for each injector individually. Furthermore, the central distributor device for the higher fuel pressure is disposed parallel to the central pressure reservoir for the lower fuel pressure. To enlarge the injection window for the pre-injection and the post-injection, the lower fuel pressure is metered from the central pressure reservoir, without going by way of the distributor device.

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