

Title (en)  
FUEL INJECTION SYSTEM

Title (de)  
KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)  
SYSTEME D'INJECTION DE CARBURANT

Publication  
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Application  
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Abstract (en)  
[origin: WO2005119048A1] The invention relates to a fuel injection system with a high pressure reservoir (10), in which fuel can be stored under high pressure, whereby at least one injection valve (12) may be connected to the high pressure reservoir (10), by means of which the fuel in the high pressure reservoir (10) can be injected into the combustion chamber of an internal combustion engine. A high pressure pump (5) drains fuel from a leakage oil region (1), compresses the same and supplies the same to the high pressure reservoir (10), such that, on operation of the high pressure pump (5), a high fuel pressure can be generated. A return line (15, 22, 22') is provided between the oil leakage region (1) and the high pressure reservoir (10) with a control valve (20; 24; 24'), whereby, on the high pressure pump (5) being switched off, the control valve (20; 24; 24') permits a fuel flow from the oil leakage region (1) into the high pressure reservoir (10).

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Cited by  
CN104895716A

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