

Title (en)  
PRESSURE AMPLIFIER WITH INTEGRATED PRESSURE RESERVOIR

Title (de)  
DRUCKVERSTÄRKER MIT INTEGRIERTEM DRUCKSPEICHER

Title (fr)  
MULTIPLICATEUR DE PRESSION À ACCUMULATEUR DE PRESSION INTÉGRÉ

Publication  
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Application  
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Abstract (en)  
[origin: WO2008138790A1] The invention relates to a high-pressure injection system (10), in particular for auto-igniting internal combustion engines, with at least one high pressure pump (14) and a high pressure reservoir (20), by means of which at least one fuel injector (22) is supplied with a fuel under pressure. The high-pressure injection system (10) comprises at least one pressure amplifier unit (16) and is characterized in that the pressure amplifier unit (16) has at least two pressure amplifiers (24), each with a high pressure piston (32, 33), each of which can be driven independently of the other.

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