

Title (en)
LOW-PRESSURE CIRCUIT FOR A FUEL INJECTION SYSTEM, FUEL INJECTION SYSTEM AND METHOD FOR OPERATING A FUEL INJECTION SYSTEM

Title (de)
NIEDERDRUCKKREISLAUF FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM, KRAFTSTOFFEINSPRITZSYSTEM SOWIE VERFAHREN ZUM BETREIBEN EINES KRAFTSTOFFEINSPRITZSYSTEMS

Title (fr)
CIRCUIT À BASSE PRESSION POUR UN SYSTÈME D'INJECTION DE CARBURANT, SYSTÈME D'INJECTION DE CARBURANT ET PROCÉDÉ DE FONCTIONNEMENT D'UN SYSTÈME D'INJECTION DE CARBURANT

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Abstract (en)
[origin: WO2014009056A1] The invention relates to a low-pressure circuit for a fuel injection system, in particular for a common-rail injection system, comprising a fuel tank (1) and a pre-feed pump (2), by means of which fuel from the fuel tank (1) can be suctioned and fed to a working chamber (4) of a high-pressure pump (5) via a fuel line (3), wherein the working chamber (4) is connected to a return line via shaft bearings. According to the invention at least two throttles (9, 10) are provided for connecting the working chamber (4) with the return (8), which throttles are in each case connected parallel to the shaft bearings (6, 7) and/or can be connected by means of a valve (11). The invention further relates to a fuel injection system comprising such a low-pressure circuit and to a method for operating a fuel injection system.

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