

Title (en)

FUEL SUPPLY DEVICE OF A FUEL INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE, AND OVERFLOW VALVE FOR THE SAME

Title (de)

KRAFTSTOFFVERSORGUNGSEINRICHTUNG EINES KRAFTSTOFFEINSPRITZSYSTEMS EINER BRENNKRAFTMASCHINE SOWIE ÜBERSTRÖMVENTIL DAZU

Title (fr)

DISPOSITIF D'ALIMENTATION EN CARBURANT D'UN SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE, AINSI QUE SOUPAPE DE DÉCHARGE ASSOCIÉE

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Application

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Abstract (en)

[origin: WO2015090961A1] The invention proposes a fuel supply device of a fuel injection system of an internal combustion engine, and an embodiment of the overflow valve (30) for the same. The fuel supply device has a high-pressure pump (18) in addition to the overflow valve (30). The overflow valve (30) conducts a nonrequired fuel quantity from the high-pressure pump (18) into a spill line (28). The overflow valve (30) has a spring chamber (32) which is hydraulically connected to the spill line (28). For the hydraulic connection of the spring chamber (32) to the spill line (28), a discharge line (29) is provided which is hydraulically connected to a suction side (41) of a Venturi nozzle (40).

IPC 8 full level

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