

Title (en)

HIGH-PRESSURE PUMP ARRANGEMENT FOR PUMPING COMBUSTIBLE FUEL FROM A TANK INTO A HIGH-PRESSURE CONTAINER

Title (de)

HOCHDRUCKPUMPENANORDNUNG ZUM PUMPEN VON BRENNKRAFTSTOFF AUS EINEM TANK IN EINEN HOCHDRUCKBEHÄLTER

Title (fr)

ENSEMBLE POMPE À HAUTE PRESSION DESTINÉE À POMPER DU CARBURANT DEPUIS UN RÉSERVOIR DANS UN RÉCIPIENT À HAUTE PRESSION

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Application

EP 12721698 A 20120503

Priority

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- AT 2012000125 W 20120503

Abstract (en)

[origin: WO2012155162A1] In a high-pressure pump arrangement for pumping combustible fuel from a tank into a high-pressure container, wherein at least one pump element consisting of pump cylinder and pump piston is provided whose pump chamber can be connected via a suction valve to a pump suction chamber supplied by a fuel supply and via a pressure valve to the high-pressure container, wherein the pump element comprises a leakage line for returning into the pump suction chamber leakage fuel which flows off between pump piston and pump cylinder, and wherein the fuel supply has a metering unit, and at least one purging line, having a throttle, for evacuating a purging quantity coming from the metering unit into a low-pressure region leads off from the fuel supply downstream of the metering unit, the at least one purging line (24, 24') is connected to the pump suction chamber (12) such that the purging quantity flows through the pump suction chamber (12).

IPC 8 full level

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