

Title (en)
NON-RETURN FUEL SUPPLY SYSTEM

Title (de)
RÜCKLAUFFREIES KRAFTSTOFFVERSORGUNGSSYSTEM

Title (fr)
SYSTEME D'ALIMENTATION EN CARBURANT SANS REFLUX

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Application
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Abstract (en)
[origin: WO2004053318A1] The invention relates to a non-return fuel supply system (1) for an internal combustion engine, in particular in a motor vehicle, comprising at least one fuel pump (8), by means of which the fuel may be pumped from a first region (2) of a fuel tank into a pressurised region (12), connected to a fuel distributor (18), at least one suction jet pump (38) through which fuel supplied by the fuel pump (8) along a suction jet pump line (34) flows, by means of which fuel may be supplied from a second region (4) of the fuel tank into the first region (2), at least one means (20, 24, 30), for regulating and/or controlling the pressure in the pressurised region (12) and at least one non-return valve (14), by means of which at least a part of the pressurised region (12) may be sealed off from the fuel pump (8). According to the invention, the means (20, 24, 30) for regulation and/or control of the pressure in the pressurised region contains at least one electrically operated solenoid valve (40; 44), arranged downstream of the non-return valve (14) in the suction jet pump line (34).

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