

Title (en)
FUEL SYSTEM, METHOD FOR OPERATING THE FUEL SYSTEM, COMPUTER PROGRAMME AND CONTROL DEVICE AND/OR REGULATOR FOR CONTROLLING SAID SYSTEM

Title (de)
KRAFTSTOFFSYSTEM, VERFAHREN ZUM BETREIBEN DES KRAFTSTOFF-SYSTEMS, COMPUTERPROGRAMM SOWIE STEUER- UND/ ODER REGELGERÄT ZUR STEUERUNG DES KRAFTSTOFFSYSTEMS

Title (fr)
SYSTEME D'ALIMENTATION EN CARBURANT, PROCÉDE POUR LE FAIRE FONCTIONNER, PROGRAMME INFORMATIQUE AINSI QU'APPAREIL DE COMMANDE ET/OU DE REGULATION POUR LE PILOTER

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Abstract (en)
[origin: WO02063158A1] A fuel system (10) supplies fuel (18) to an internal combustion engine. Said system comprises a reservoir (16) and a first fuel pump (20), whose intake side is connected to the reservoir (16). A second fuel pump (38), whose intake side is connected to the first fuel pump (20), is also provided. In addition, the system comprises at least one injection valve (50), which is connected to the second fuel pump (38) and can supply fuel at least indirectly to a combustion chamber. A leakage conduit (68) is located between the second fuel pump (38) and the reservoir (16). The invention aims to ensure a reliable hot start of the internal combustion engine without subjecting the components to high levels of stress. To achieve this, a valve assembly (70) with a shut-off function (72) and pressure control function (74) connected in parallel, is located in the leakage conduit (68).

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