

Title (en)
METHOD FOR OPERATING AN INTERNAL COMBUSTION ENGINE, INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE AND
INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUM BETREIBEN EINER BRENNKRAFTMASCHINE, EINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE SOWIE
BRENNKRAFTMASCHINE

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE, SYSTÈME D'INJECTION POUR MOTEUR À
COMBUSTION INTERNE ET MOTEUR À COMBUSTION INTERNE

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Application
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Abstract (en)
[origin: WO2016008565A1] The invention relates to a method for operating an internal combustion engine (1) comprising an injection system (3) which has a high-pressure accumulator (13), wherein a high pressure in the high-pressure accumulator (13) is regulated via a suction throttle (9) on the low-pressure side as a first pressure control member in a first high-pressure control loop (25), wherein in a normal operation a high-pressure disturbance variable is produced via a pressure control valve (19) on the high-pressure side as a second pressure control member, via which fuel is redirected from the high-pressure accumulator (13) to a fuel reservoir (7). For this purpose, the high pressure in a safety operation is regulated by means of the pressure control valve (19) via a second high-pressure control loop (39), or, in the safety operation, a maximum fuel volume flow is continuously redirected from the high-pressure accumulator (13) to the fuel reservoir (7) via the pressure control valve (19).

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