

Title (en)

HIGH PRESSURE INJECTION SYSTEM WITH A CONTROL THROTTLE EMBODIED AS A CASCADE THROTTLE

Title (de)

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Title (fr)

SYSTEME D'INJECTION HAUTE PRESSION CON U SOUS LA FORME D'UN PAPILLON DE COMMANDE SOUS FORME DE PAPILLON EN CASCADE

Publication

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Application

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Abstract (en)

[origin: WO0250423A1] The invention relates to a high pressure injection system (1) comprising at least one fuel high pressure accumulator (2a), a control chamber (9) and a valve (10), in addition to an injection valve (3) having a valve needle (5) and a control plunger (14). The control chamber (9) is connected to the high pressure accumulator (2a) by means of an inlet throttle (19) and to the valve (10) by means of an outlet throttle (20). The control chamber (9) controls the movement of the control plunger (14) and the valve needle (5) connected thereto. To this end, flow conditions of the fuel flowing into and out of the control chamber (14) are regulated by means of the inlet throttle (19) and the outlet throttle (20). The inlet throttle (19) is configured as a multi-stage throttle.

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