

Title (en)

PRESSURE SWITCHING VALVE FOR A FUEL INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE

Title (de)

DRUCK-SCHALTVENTIL FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM EINER BRENNKRAFTMASCHINE

Title (fr)

CONJONCTEUR-DISJONCTEUR POUR UN SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

EP 11778882 A 20111103

Priority

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- EP 2011069345 W 20111103

Abstract (en)

[origin: WO2012089370A1] In a pressure switching valve for a fuel injection system of an internal combustion engine, having a cylinder (42) in which a closure body (44) for selectively closing off an inlet (46) is movable, the closure body (44) is provided with a first active surface (48) which is acted on by hydraulic pressure for opening the inlet (46), and the closure body (44) has a second active surface (50) which is formed so as to be larger than the first active surface (48). The figures illustrate a pressure regulating valve (28) which discharges the fuel through an outlet (54) as a function of the pressure in the low-pressure delivery line (18, 66) and the hydraulic pressure on the first (48) and second (50) active surface.

IPC 8 full level

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