

Title (en)

PRESSURE VIBRATION DAMPENER FOR AN INTERNAL COMBUSTION ENGINE FUEL INJECTION SYSTEM

Title (de)

DRUCKSCHWINGUNGSDÄMPFER FÜR DAS KRAFTSTOFFEINSPRITZSYSTEM EINES VERBRENNUNGSMOTORS

Title (fr)

AMORTISSEUR DES VIBRATIONS DE PRESSION POUR SYSTEME D'INJECTION DE CARBURANT DE MOTEUR A COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO2006045902A1] A pressure vibration dampener (10) for an internal combustion engine fuel injection system (1) comprising a body part (101) delimiting inside it a volume (102), in which dampener the volume of the body part is provided with a movably arranged intermediate piece (103), the body part further comprising a first opening (104) through which the volume can be connected to the fuel injection system, the first opening being arranged to open into the volume into the first side of the intermediate piece, and a spring arrangement being arranged into the volume into the other side of the intermediate piece, the side being on the opposite side of the first side in relation to the intermediate piece, one end of the spring arrangement (107) being supported on the intermediate piece and the other end by the body part. According to the invention, the spring rate of the spring arrangement (107) decreases as the compression travel increases.

IPC 8 full level

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