

Title (en)

DEVICE FOR DAMPING VIBRATIONS ON FUEL INJECTION SYSTEMS HAVING A HIGH-PRESSURE ACCUMULATING SPACE

Title (de)

EINRICHTUNG ZUR SCHWINGUNGSDÄMPFUNG AN KRAFTSTOFFEINSPRITZSYSTEMEN MIT HOCHDRUCKSAMMELRAUM

Title (fr)

DISPOSITIF D'AMORTISSEMENT DES VIBRATIONS SUR UN SYSTEME D'INJECTION DE CARBURANT COMPORTANT UN ACCUMULATEUR HAUTE PRESSION

Publication

EP 1490591 B1 20050713 (DE)

Application

EP 02798274 A 20021213

Priority

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Abstract (en)

[origin: WO03081021A1] The invention relates to a high-pressure accumulating space (1) for fuel injection systems having a number of high-pressure line connections (15) that corresponds to the number of combustion chambers of an internal combustion engine. The high-pressure accumulating space (1) comprises an essentially circular cross-section that is delimited by an inner wall (2). The individual high-pressure line connections (15) each have a longitudinal boring (16), through which fuel flows, and are accommodated, by means of a screwed-in element (11), in a sleeve (9) that is fastened to the exterior (3) of the high-pressure accumulating space (1). The screwed-in element (11) presses the respective high-pressure line connection into a seat (28). A vibration damping valve comprising a closing element (19) is integrated inside the high-pressure accumulating space (1) and is subjected to the action of a spring body (25; 30, 32, 33; 40) supported on a shaft (22), which is connected to the closing element (19), and is optionally supported on the inside (2) of the high-pressure accumulating space (1).

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