

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  
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Application  
**EP 02798274 A 20021213**

Priority  
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• DE 10212876 A 20020322

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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IPC 8 full level  
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