

Title (en)  
CYLINDER HEAD FOR A HIGH-PRESSURE FUEL PUMP

Title (de)  
ZYLINDERKOPF FÜR EINE KRAFTSTOFFHOCHDRUCKPUMPE

Title (fr)  
CULASSE POUR UNE POMPE HAUTE PRESSION DE CARBURANT

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Application  
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Abstract (en)  
[origin: WO2011101203A1] The invention relates to a cylinder head for a high-pressure fuel pump in a fuel injection system, in particular in a common rail injection system, wherein a high-pressure bore (1) for forming a pump working chamber (2) and for receiving a pump piston (3) and at least one additional bore (4, 5) for receiving an intake valve (6) and/or a high-pressure valve (7) are designed in the cylinder head. According to the invention, the cylinder head has an integral design and comprises a plurality of high-pressure outlets, each in the form of a shoulder (8, 9) having a bore (10, 11), which are used to connect an injector and/or receive a pressure sensor (17), wherein at least one bore (10, 11) of a shoulder (8, 9) is arranged coaxially in relation to the high-pressure bore (5) in which the high-pressure valve (7) is received. The invention further relates to a high-pressure fuel pump comprising at least one such cylinder head.

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