

Title (en)
HIGH PRESSURE FUEL PUMP FOR A FUEL SYSTEM ON A DIRECT INJECTION INTERNAL COMBUSTION ENGINE, FUEL SYSTEM AND INTERNAL COMBUSTION ENGINE

Title (de)
HOCHDRUCK-KRAFTSTOFFPUMPE FÜR EIN KRAFTSTOFFSYSTEM EINER DIREKTEINSPRITZENDEN BRENNKRAFTMASCHINE, KRAFTSTOFFSYSTEM SOWIE BRENNKRAFTMASCHINE

Title (fr)
POMPE A ESSENCE HAUTE PRESSION POUR UN SYSTEME D'ALIMENTATION D'UN MOTEUR A COMBUSTION INTERNE A INJECTION INTERNE, SYSTEME D'ALIMENTATION EN CARBURANT ET MOTEUR A COMBUSTION INTERNE ASSOCIES

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Application
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• DE 10117600 A 20010407

Abstract (en)
[origin: DE10117600C1] A high pressure fuel pump (10) is used for a direct injection internal combustion engine, comprising a housing (14, 32) and provided with a low pressure inlet (16) and a pumping chamber (20). The fuel is compressed in the pumping chamber (20) and an insert (38) is provided, which separates the pumping chamber (20) from the low pressure inlet (16). The insert (38) comprises at least one radial flow channel (48) and said insert (38) is axially supported by the housing (32). The high pressure fuel pump (10) further comprises a high pressure outlet (18). According to the invention, the production costs of the high pressure fuel pump (10) may be reduced, whereby the radial flow channel (48) is defined by a recess in an axial end face (44) of the insert (38).

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Citation (search report)
See references of WO 02081902A1

Citation (examination)
• WO 9902858 A1 19990121 - BOSCH GMBH ROBERT [DE], et al
• DE 19848035 A1 20000420 - BOSCH GMBH ROBERT [DE]

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