

Title (en)
HIGH PRESSURE DIESEL FUEL PUMPS

Title (de)
HOCHDRUCKDIESELPUMPEN

Title (fr)
POMPES À DIESEL DE HAUTE PRESSION

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Abstract (en)
[origin: WO2016165985A1] The invention relates to a high pressure diesel fuel pump comprising a drivetrain assembly within a drivetrain housing and a pumping assembly. The drivetrain assembly comprises a cam mounted in a cambox, a tappet member arranged for reciprocal movement with the cam within a tappet chamber, and a spring mounted in a spring chamber acting on an upper surface of the tappet member. The pumping assembly comprises a pump housing and a plunger mounted within a bore formed in the pump housing for reciprocal movement along a pumping axis under the influence of the tappet member. The housing comprises a vent arranged to connect said spring chamber and/or said tappet chamber with the cambox and a low pressure inlet for delivery of fluid to the drivetrain assembly, characterised in that the low pressure inlet is arranged to feed into the spring chamber. The invention also covers a drivetrain housing.

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