

Title (en)  
HIGH PRESSURE FUEL PUMP

Title (de)  
SCHMIERUNG EINES ROLLENSCHUHS EINEHOCHDRUCKKRAFTSTOFFPUMPE

Title (fr)  
POMPE À CARBURANT HAUTE PRESSION

Publication  
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Application  
**EP 16782287 A 20161019**

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Abstract (en)  
[origin: WO2017072006A1] The invention comprises a high pressure diesel fuel pump (1) comprising a pumping assembly (10) and a drive train assembly (20). The pumping assembly (10) comprises a plunger (12) extending from a pump head (11) along a pumping axis (A-A'). The drive train assembly (20) comprises a drive shaft and a cam (80) mounted thereon, a shoe (50) for contact with a lower end (12a) of the plunger (12), a roller (70) mounted within a cavity (52) of the shoe (50) for contact with the cam (80), and a shoe guide (60) mounted substantially between the cam (80) and the plunger (12) and adapted to receive the shoe (50) and roller (70) within a bore (62). The shoe (50) comprises at least one fuel delivery means (90) extending between an upper surface (53) of the shoe (50) and an unloaded region (52a) of the cavity (52).

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