

Title (en)  
HIGH-PRESSURE FUEL FEED PUMP

Title (de)  
HOCHDRUCKBRENNSTOFFPUMPE

Title (fr)  
POMPE D'ALIMENTATION EN MAZOUT HAUTE PRESSION

Publication  
**EP 1275842 A1 20030115 (EN)**

Application  
**EP 01921870 A 20010418**

Priority  
• JP 0103305 W 20010418  
• JP 2000118845 A 20000420

Abstract (en)  
A high-pressure fuel feed pump force-feeding fuel to a common rail for storing high-pressure fuel, comprising a fuel force-feeding means for force-feeding fuel and a fuel oil quantity regulating means for regulating the amount of fuel oil flowing into a compression chamber, the fuel oil quantity regulating means further comprising a fuel path leading the fuel sucked from a fuel tank to the compression chamber and a throttle valve installed in the fuel path and changing the cross-sectional area of the fuel path so as to vary the quantity of the fuel oil passing therethrough, wherein the throttle valve is slid in the direction generally perpendicular to the flowing direction of the fuel passing through the inside of the fuel path so that a valve disc regulating the fuel flow rate can be moved smoothly without being obstructing by a fluid pressure. <IMAGE>

IPC 1-7  
**F02M 59/34**; **F02M 59/46**; **F02M 63/00**; **F02M 47/00**

IPC 8 full level  
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Citation (search report)  
See references of WO 0181753A1

Cited by  
DE102018001913A1; GB2414517A; GB2414517B; US11236717B2; US7938057B2; US7438057B2; WO2019170770A1; WO2006013128A1; US7451743B2; WO2004079183A1

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