

Title (en)
Fuel pump

Title (de)
Kraftstoffpumpe

Title (fr)
Pompe à combustible

Publication
EP 1323919 A2 20030702 (EN)

Application
EP 02026932 A 20021203

Priority
JP 2001400183 A 20011228

Abstract (en)
A fuel pressure pump has a cylinder. A plunger is slidably received in the cylinder to define at one end of the cylinder a pressure chamber. The pressure chamber presses a fuel therein when the plunger moves in a direction to reduce a volume of the pressure chamber. A fuel supply passage is provided through which the fuel is led to the pressure chamber. A seal member is provided at a position other than a position where an inner surface of the cylinder and an outer surface of the plunger are slidably engaged. The seal member functions to make a hermetical sealing between the inner surface of the cylinder and the outer surface of the plunger. A first fuel holding space is defined by the inner surface of the cylinder, the outer surface of the plunger and the seal member. A first connection passage is provided that connects the first fuel holding space and the fuel supply passage. <IMAGE>

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F02M 63/02; **F02M 59/44**

IPC 8 full level
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Citation (applicant)
• JP 2000110685 A 20000418 - TOYOTA MOTOR CORP
• US 2372694 A 19450403 - TABB WARNER T

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