

Title (en)

Fuel pump having plunger and fuel supply system using the same

Title (de)

Kraftstoffpumpe mit einem Plunger und dieselbe verwendendes Kraftstoffversorgungssystem

Title (fr)

Pompe de carburant à plongeur et système d'alimentation en carburant utilisant la même

Publication

EP 1707799 B1 20080820 (EN)

Application

EP 06110896 A 20060309

Priority

- JP 2005098583 A 20050330
- JP 2005339003 A 20051124

Abstract (en)

[origin: EP1707799A1] A delivery valve (80) is connected to a discharge passage (230), through which fuel in a compression chamber (220) is discharged. The delivery valve (80) is screwed to a mount hole (22) formed in the cylinder (12). A communication passage (240) is formed in a body (82) to extend through the sidewall between a screwed part, in which the mount hole (22) and the body (82) are screwed to each other, and a gasket (88). A small clearance (242) is formed between an inner peripheral surface (23) of the mount hole (22) and an outer peripheral surface (83) of the body (82). The communication passage (240) provides communication between a fuel passage (232) downstream of a valve seat member (87) and the clearance (242). The clearance (242) communicates with the suction chamber (210) through a return passage (240, 270, 290) formed in the cylinder (12).

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN103161633A; EP1788231A1; EP2803851A1; EP3444469A1; US8794939B2; WO2019101493A1; WO2019121224A1; WO2016142072A1; WO2012110261A1; WO2012089511A1; WO2009063306A1; US9709055B2; US10107285B2; US11047380B2; US9169815B2; US9291162B2; US10247181B2

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