

Title (en)

Fuel injection control system for a diesel engine.

Title (de)

Kraftstoffeinspritzregelsystem für einen Dieselmotor.

Title (fr)

Système de contrôle d'injection de carburant pour un moteur Diesel.

Publication

EP 0101966 A1 19840307 (EN)

Application

EP 83107564 A 19830801

Priority

JP 14104182 A 19820816

Abstract (en)

A plunger reciprocates axially in accordance with rotation of the engine crankshaft. A pressure chamber contracts as the plunger moves in one axial direction, and expands as the plunger moves in the opposite axial direction. Fuel can be drawn into the pressure chamber when the pressure chamber expands. Fuel can be forced out of the pressure chamber toward an engine combustion chamber when the pressure chamber contracts. A fuel return passage extends from the pressure chamber to a fuel tank. A valve controllably blocks and opens the fuel return passage.

IPC 1-7

F02M 59/36; **F02M 41/12**

IPC 8 full level

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CPC (source: EP)

F02M 41/125 (2013.01); **F02M 41/126** (2013.01); **F02M 59/366** (2013.01); **F02B 3/06** (2013.01)

Citation (search report)

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- [X] US 4129253 A 19781212 - BADER JR ERNEST, et al
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- [X] GB 2061403 A 19810513 - BOSCH GMBH ROBERT

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