

Title (en)

Fuel injector with direct pin control and servo-valve support

Title (de)

Kraftstoffinjektor mit direkter Nadelsteuerung und Servoventil-Unterstützung

Title (fr)

Injecteur de carburant doté d'une commande à aiguille directe et assistance par servosoupape

Publication

**EP 1887213 B1 20101229 (DE)**

Application

**EP 07111696 A 20070704**

Priority

DE 102006036779 A 20060807

Abstract (en)

[origin: EP1887213A2] An automotive fuel injector has a valve (3) with a jet outlet (13) that is opened and closed by a piston (27). The piston and valve are linked by a regulator chamber (23) limited on one side by the valve end-face (21) and at the other by the lower face (25) of the piston (27). The piston acts as the valve piston for a regulator valve (33) linking the chamber (27) with the low-pressure zone in a fuel-return tube (63).

IPC 8 full level

**F02M 47/02** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

**F02M 47/027** (2013.01); **F02M 61/167** (2013.01); **F02M 63/0024** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0031** (2013.01); **F02M 51/061** (2013.01); **F02M 2547/001** (2013.01)

Cited by

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