

Title (en)
Unit injector

Title (de)
Pumpe-Düse-Vorrichtung

Title (fr)
Unité pompe-buse

Publication
EP 1503073 B1 20070905 (DE)

Application
EP 04017275 A 20040722

Priority
DE 10333787 A 20030724

Abstract (en)
[origin: EP1503073A1] The pump module (1) incorporates a piston (11) spring-loaded (14) upwards and pushed downwards in a cylinder (12) to pump the fuel. The electronic control module (2) has a socket (26) for an electrical connection. The electronic control module has an adjustment device (24) and a control valve (231) with a valve seat (234). Fuel is admitted into a nozzle feed line (21) via a throttle (27). Return fuel (22) may be admitted into a control chamber (232).

IPC 8 full level
F02M 57/02 (2006.01); **F02M 55/00** (2006.01); **F02M 55/04** (2006.01); **F02M 59/36** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 55/001 (2013.01); **F02M 55/04** (2013.01); **F02M 57/02** (2013.01); **F02M 57/023** (2013.01); **F02M 59/366** (2013.01); **F02M 63/0026** (2013.01); **F02M 2200/04** (2013.01); **F02M 2200/315** (2013.01)

Cited by
CN102725507A; WO2011088928A1; US9279401B2

Designated contracting state (EPC)
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EP 1503073 A1 20050202; **EP 1503073 B1 20070905**; DE 10333787 A1 20050224; DE 502004004853 D1 20071018

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