

Title (en)

Fuel injection pump for an internal combustion engine

Title (de)

Kraftstoffeinspritzpumpe für eine Brennkraftmaschine

Title (fr)

Pompe à injection de carburant pour un moteur à combustion interne

Publication

**EP 0971122 B1 20030514 (DE)**

Application

**EP 99113211 A 19990708**

Priority

DE 19831077 A 19980710

Abstract (en)

[origin: EP0971122A2] A high pressure fuel pump, e.g. for a diesel engine, has a control duct through the pump piston to control the start and end points of the fuel pulse. The end point is controlled by a sloping duct (7) and is variable through the rotational setting of the piston. A controlled delay in the start of the fuel pulse is provided by a control piston (12) in a control cylinder (10) on the input duct of the fuel pump. The control piston (12) is linked to a drive piston (11) by a control spring (13) for a simple mode of control.

IPC 1-7

**F02M 59/20**; **F02M 59/24**; **F02M 59/26**; **F02M 59/22**

IPC 8 full level

**F02M 59/20** (2006.01); **F02M 59/22** (2006.01); **F02M 59/24** (2006.01); **F02M 59/26** (2006.01)

CPC (source: EP)

**F02M 59/20** (2013.01); **F02M 59/22** (2013.01); **F02M 59/24** (2013.01); **F02M 59/26** (2013.01)

Cited by

KR101219977B1; JP2009516804A; DE102004050021A1; US2013156620A1; US9051925B2; US7603987B2; WO2007060285A1

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**EP 0971122 A2 20000112**; **EP 0971122 A3 20010418**; **EP 0971122 B1 20030514**; AT E240456 T1 20030515; DE 19831077 A1 20000113; DE 59905531 D1 20030618

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