

Title (en)

Fuel injection pump

Title (de)

Kraftstoffeinspritzpumpe

Title (fr)

Pompe d'injection de carburant

Publication

EP 0971123 A3 20010418 (DE)

Application

EP 99113205 A 19990708

Priority

DE 19831078 A 19980710

Abstract (en)

[origin: EP0971123A2] A high pressure fuel pump for an IC engine, e.g. for a diesel engine, has a piston (2) driven by a camshaft and with its upper end (5) bounded by the high pressure chamber (3). A duct through the piston links input control ducts (4a,4b) to control the timing of the fuel pulses. The duct has an upper edge (6) and a sloping lower edge (7a) to define the start and closing points of the fuel timing. The rotational setting of the piston varies the closing setting of the pump. A bypass duct (20) provides a controlled bypass flow at the bottom of the sloping duct to provide a controlled termination of the fuel pulse, and hence a reduction in cavitation.

IPC 1-7

F02M 59/26; **F02M 55/00**

IPC 8 full level

F02M 55/00 (2006.01); **F02M 59/26** (2006.01)

CPC (source: EP)

F02M 55/001 (2013.01); **F02M 59/265** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0971123 A2 20000112; **EP 0971123 A3 20010418**; **EP 0971123 B1 20030507**; AT E239868 T1 20030515; DE 19831078 A1 20000113; DE 59905415 D1 20030612

DOCDB simple family (application)

EP 99113205 A 19990708; AT 99113205 T 19990708; DE 19831078 A 19980710; DE 59905415 T 19990708