

Title (en)

Fuel injection pump for an internal combustion engine

Title (de)

Brennstoffeinspritzpumpe für Hubkolbenbrennkraftmaschinen

Title (fr)

Pompe à injection de combustible pour un moteur à combustion interne

Publication

EP 0603447 B1 19970312 (DE)

Application

EP 92811011 A 19921221

Priority

EP 92811011 A 19921221

Abstract (en)

[origin: EP0603447A1] The fuel injection pump has a cylinder (2) containing a delivery chamber (4), a piston (3) axially movable therein and a suction chamber (7) connected to the delivery chamber (4), the connection of which suction chamber to the delivery chamber is interrupted during the delivery phase. Inside its circumferential surface, the piston (3) has an axial passage (13) emerging from its end face (3') in contact with the delivery chamber (4) and a transverse passage (12) emerging from the said passage and opening into the circumferential surface of the piston. In the area of the transverse passage a slide valve (9) surrounding the piston is arranged so that it is axially adjustable. The slide valve has a first control edge (10), at right angles to the direction of movement of the piston and interacting with the transverse passage (12), for influencing the start of delivery and a second control edge (11), slanting in relation to the direction of movement of the piston and interacting with the transverse passage (12), for influencing the end of delivery. The slide valve (9) or the piston (3) is capable of rotating about its axis relative to the piston or to the slide valve. <IMAGE>

IPC 1-7

F02M 59/36; **F02M 59/24**

IPC 8 full level

F02M 59/26 (2006.01); **F02M 59/24** (2006.01); **F02M 59/28** (2006.01); **F02M 59/36** (2006.01)

CPC (source: EP KR)

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