

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 0610641 B1 19971119 (DE)

Application

EP 93810077 A 19930208

Priority

EP 93810077 A 19930208

Abstract (en)

[origin: EP0610641A1] The fuel injection pump has at least one cylinder (3) and a piston (4) axially movable therein. The piston has a first control edge (5), determining the start of delivery of the pump, and a second control edge (7), determining the end of delivery of the pump, the two control edges interacting with an orifice (6) situated in the wall of the cylinder (3), which orifice is connected to an intake port (12) and a transfer port (13). The cylinder (3) is arranged axially movable between two limit positions in a pump housing (1). For holding the cylinder in its one limit position, a hydraulic force (chamber 25) acts on it, which can be cancelled when the cylinder is to assume its other limit position. <IMAGE>

IPC 1-7

F02M 59/24

IPC 8 full level

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

CPC (source: EP KR)

F02M 51/00 (2013.01 - KR); **F02M 59/24** (2013.01 - EP); **F02M 59/243** (2013.01 - EP)

Cited by

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DE DK FR IT NL

DOCDB simple family (publication)

EP 0610641 A1 19940817; **EP 0610641 B1 19971119**; CN 1096568 A 19941221; DE 59307709 D1 19980102; DK 0610641 T3 19971222; FI 106397 B 20010131; FI 940546 A0 19940207; FI 940546 A 19940809; JP H10205411 A 19980804; KR 100283932 B1 20011022; KR 940019984 A 19940915

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EP 93810077 A 19930208; CN 94101418 A 19940207; DE 59307709 T 19930208; DK 93810077 T 19930208; FI 940546 A 19940207; JP 1470094 A 19940208; KR 19940001826 A 19940201