

Title (en)

FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES WITH EXHAUST GAS RECIRCULATION

Publication

EP 0240686 B1 19900502 (DE)

Application

EP 87102705 A 19870226

Priority

DE 3612068 A 19860410

Abstract (en)

[origin: US4718385A] A fuel injection pump for internal combustion engines, of the distributor type, having a reciprocating and simultaneously rotating pump piston as well as a governor slide adjustable relative thereto as a function of load, the injection quantity at any time being dimensioned on the basis of the position of the governor slide. For controlling an exhaust gas recirculation valve as a function of the load range or the particular injection quantity, the injection pump has a pressure switch for controlling an electrical signal in the partial-load range. The pressure switch can be made to communicate with the pressure-carrying suction chamber via a line in the housing and a conduit in the pump piston, the inlet of which conduit is controlled by the governor slide such that it is opened only whenever the outlet of a relief conduit is closed by the governor slide.

IPC 1-7

F02D 21/08; **F02M 41/12**

IPC 8 full level

F02D 21/08 (2006.01); **F02M 41/12** (2006.01)

CPC (source: EP US)

F02M 26/62 (2016.02 - EP US); **F02M 41/126** (2013.01 - EP US)

Citation (examination)

FR 2520812 A1 19830805 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

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EP 87102705 A 19870226; DE 3612068 A 19860410; DE 3762536 T 19870226; JP 8725987 A 19870410; US 1166087 A 19870205