

Title (en)

METHOD FOR CONTROLLING HIGH-PRESSURE FUEL DELIVERY DURATION OF A FUEL INJECTION PUMP

Publication

EP 0305716 B1 19930929 (DE)

Application

EP 88111647 A 19880720

Priority

DE 3729636 A 19870904

Abstract (en)

[origin: EP0305716A2] In order to reduce the running noise of a diesel combustion engine expensive pump designs have in the past been proposed which were aimed at reducing the duration of fuel injection in the idling range of the internal combustion engine. By shifting the fuel injection delivery to the final part of the lift of the cam driving the piston of the fuel injection pump for idling operation by means of an injection start adjustment device in combination with an injection duration determined via the closing phase of an electrically controlled valve relieving the pump working chamber, a gentle combustion sequence can be easily obtained in idling operation, particularly on distributor-type fuel- injection pumps, without affecting the basic design of the fuel injection pump. <IMAGE>

IPC 1-7

F02D 1/18; **F02M 41/12**; **F02M 59/36**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (examination)

US 4598683 A 19860708 - OHMORI TOSHIHIKO [JP], et al

Cited by

EP0487087A1; US5263457A; EP0612920A1; EP0468084A1; DE19721841A1; FR2705119A1; EP0439769A1; WO9108386A1

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