

Title (en)

CONTROL SYSTEM FOR HIGH-PRESSURE FUEL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

STEUERSYSTEM FÜR EIN HOCHDRUCK-KRAFTSTOFFEINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

REGULATEUR DU SYSTEME D'INJECTION DE CARBURANT A HAUTE PRESSION D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 0668965 B1 19981209 (EN)**

Application

**EP 94926233 A 19940902**

Priority

- EP 9402921 W 19940902
- IT TO930645 A 19930903

Abstract (en)

[origin: WO9506813A1] An injection control system including a number of maps for determining various injection control quantities (Q, P, ANT, ET) on the basis of power demand (V alpha ) and engine speed (N). In the steady-state condition, fuel injection quantity (Q) is first calculated; injection pressure (P) and advance (ANT) are calculated on the basis of fuel injection quantity; and injection time (ET) is calculated on the basis of fuel injection quantity and injection pressure. Injection pressure is closed-loop controlled (30) by controlling the duty cycle of the supply current of a pressure regulating solenoid valve (7) connected to a high-pressure pump (6).

IPC 1-7

**F02D 41/38**; **F02D 41/40**

IPC 8 full level

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CPC (source: EP)

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