

Title (en)

Externally controlled fuel delivery curve adjustment mechanism for a fuel injection pump.

Title (de)

Extern geregelte Vorrichtung zur Kraftstoffförder-Kurveneinstellung für eine Kraftstoffeinspritzpumpe.

Title (fr)

Dispositif à réglage extérieur pour ajustement de la courbe de refoulement d'une pompe d'injection de combustible.

Publication

**EP 0064121 A1 19821110 (EN)**

Application

**EP 81630037 A 19810430**

Priority

EP 81630037 A 19810430

Abstract (en)

The fuel injection pump comprises a metering valve and a speed responsive torque control piston (222) which serves as an override for the metering valve to limit the maximum fuel delivery of the pump at variable amounts according to speed. The profile (224) of the torque control piston (222) is a surface of revolution about an axis which is non-parallel to the longitudinal axis of the piston (222) and adjusting means which adjusts and holds the piston in a selected rotational position is accessible externally of the pump.

IPC 1-7

**F02D 1/12**

IPC 8 full level

**F02D 1/12** (2006.01); **F02M 41/06** (2006.01); **F02M 59/44** (2006.01)

CPC (source: EP)

**F02D 1/12** (2013.01); **F02D 1/122** (2013.01); **F02M 41/06** (2013.01); **F02M 59/447** (2013.01)

Citation (search report)

- US 4100903 A 19780718 - ROOSA VERNON D
- GB 1394887 A 19750521 - VYSOKE UCENI TECH BRNE
- FR 2373687 A1 19780707 - STANADYNE INC [US]
- US 2997037 A 19610822 - FODDY HAROLD W, et al

Cited by

DE3245947A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 0064121 A1 19821110**; **EP 0064121 B1 19850417**; **EP 0064121 B2 19881117**; DE 3169944 D1 19850523

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