

Title (en)

SYSTEM AND METHOD FOR CONTROLLING A CONTROL VALVE FOR A DIESEL FUEL INJECTION SYSTEM

Title (de)

ANORDNUNG UND VERFAHREN ZUR REGELUNG EINES STEUERVENTILS FÜR EIN DIESEL-EINSPRITZSYSTEM

Title (fr)

SYSTEME ET PROCEDE DE REGULATION D'UNE SOUPAPE DE COMMANDE DE SYSTEME D'INJECTION POUR MOTEUR DIESEL

Publication

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Application

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Abstract (en)

[origin: WO0052326A1] The invention relates to a system and a method for controlling a control valve for a diesel fuel injection system, comprising a fuel injector with a pressure amplifier. The control valve (10) is positioned upstream of the pressure amplifier. The valve spool (20) of the control valve (10) is moved back and forth by two physically separate magnetic coils (30, 32). When one of said two magnetic coils (30; 32) is electrically controlled by a control current the other magnetic coil (32; 30) is switched to a sensor function so that the current induced in the sensor by a movement of the valve spool (20) is detected.

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CPC (source: EP US)

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Citation (search report)

See references of WO 0052326A1

Cited by

US9657946B2; US9835265B2; US10503181B2; US9683674B2; US10215291B2; US10697815B2; US9851103B2; US10851993B2; US9645584B2; US10203049B2; US10422531B2; US11421875B2; US9995486B2; US10024439B2; US10697632B2; US9846440B2; US10564062B2; US9841122B2; US11073281B2

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