

Title (en)

Method for determining the fuel quantity fed by an injection pump to fuel injectors in a diesel engine

Title (de)

Verfahren zum Erfassen der von einer Einspritzpumpe eines Dieselmotors über die Einspritzdüsen geförderten Kraftstoffmenge

Title (fr)

Méthode pour déterminer la quantité de carburant fourni par une pompe à injection vers des buses d'injection dans un moteur diesel

Publication

EP 0742361 B1 20020417 (DE)

Application

EP 96100863 A 19960123

Priority

DE 19516923 A 19950509

Abstract (en)

[origin: EP0742361A2] The system detects the characteristic pressure curve for the fuel injection channels leading from the fuel pump to each of the fuel injection jets, for calculating the corresponding quantity of fuel, fed to a display (AZ). The characteristic pressure curves are normalised and the surface integral of normalised curve is calculated, with the actual fuel quantity calculated using a proportionality constant. The absolute volumetric measurement of the fuel quantity may also be provided as a check for at least one fuel injection channel.

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR2790284A1; EP1884646A3; DE19740608A1; US6088647A; DE19740608C2; GB2321116A; GB2321116B; EP0907015A2

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EP 96100863 A 19960123; CN 96106012 A 19960506; DE 19516923 A 19950509; DE 59609080 T 19960123; ES 96100863 T 19960123