

Title (en)  
DIESEL ENGINE CONTROL

Title (de)  
DIESELMOTORSTEUERUNG

Title (fr)  
REGULATION D'UN MOTEUR DIESEL

Publication  
**EP 0897465 A1 19990224 (EN)**

Application  
**EP 97920824 A 19970506**

Priority

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- GB 9609869 A 19960511

Abstract (en)  
[origin: GB2312970A] A method of varying the quantity of fuel injected into the combustion chambers of a diesel engine during each combustion cycle in dependence upon the position of a demand pedal and the load on the engine, in which at least for demand pedal depressions not exceeding a preset limit the fuel is varied within an idling operating range as a first function of load to regulate the engine speed 44 at a substantially constant idling speed value and within a part load operating range as a second function of load 40 to allow the engine speed to reduce gradually with increased engine load, the idling speed value regulated within the idling operation range being itself dependent upon the position of the demand pedal. The method may involve determining the quantity of fuel required to maintain the engine idling at a speed dependent on accelerator pedal position, determining 40 the quantity of fuel required to allow the engine speed to vary with load in accordance with engine speed and accelerator depression via a speed droop controller, and supplying the engine with the higher of the two quantities 42.

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