Title (en)

FUEL DOSING PROCESS AND DEVICE FOR DIESEL ENGINES

Publication

EP 0377596 B1 19921021 (DE)

Application

EP 88907093 A 19880728

Priority

DE 3729771 A 19870905

Abstract (en)

[origin: WO8902524A1] A fuel dosing process and device for fuel engines are disclosed. The amount of fuel in the partial load range is derived from multidimensional characteristic diagrams, whereas in the full load range the amount of fuel is limited by means of a lambda control. Minimum value selection steps are used to delimit the various fuel dosing methods. In spite of the dead times inherent in the system, a dynamic and satisfactory lambda control system is achieved, since a more rapid control is used up to an intersecting curve, then the slower lambda control. The use of a lambda control as a full load limiting system results in nearly particle-free exhaust fumes.

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