

Title (en)

Control method for regeneration of a particle filter

Title (de)

Steuerungsverfahren für die Regeneration eines Partikelfilters

Title (fr)

Procédé de commande pour la régénération d'un filtre à particules

Publication

EP 1524425 B1 20060517 (FR)

Application

EP 04300673 A 20041011

Priority

FR 0311926 A 20031013

Abstract (en)

[origin: EP1524425A1] The process establishes an estimate of the dilution rate (Pdil) of fuel in oil and authorizes the regeneration when the estimate of the dilution rate is less than a preset dilution threshold. The process handles data and controls the engine to achieve regeneration of the particle filter when necessary. The variation in dilution rate (dPdil) is evaluated by a first function (-Fevap) representing the evaporation of the fuel while no regeneration of the filter is in progress, and by a second function while the filter is being regenerated. The second function is the sum of the first function and a third function (Grege). The variation in the dilution rate is evaluated as a function of the speed of rotation of the engine (N) and a variable representing the load on the engine (Qc), such as the flow of injected fuel. The functions are recorded in the form of graphs.

IPC 8 full level

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CPC (source: EP)

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Cited by

FR2933735A1; EP1798404A1; EP1722087A3; FR2890411A1; FR2941909A1; FR3040738A1; US7779622B2; WO2007028919A1; WO2008056231A3; US7611567B2; EP1722087A2; US8087233B2

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