

Title (en)

Minimum fuel mass adaptation using cylinder pressure sensor

Title (de)

Mindestmassenanpassung für einen Kraftstoff mit einem Zylinderdrucksensor

Title (fr)

Adaptation de masse de carburant minimum utilisant un détecteur de pression de cylindre

Publication

**EP 2136058 A1 20091223 (EN)**

Application

**EP 08011167 A 20080619**

Priority

EP 08011167 A 20080619

Abstract (en)

It is described a method for adapting injector characteristics of fuel injectors (30, 32) of a multi-cylinder internal combustion engine (10) having combustion chambers (12, 14) with direct fuel injection, which injector characteristics are adapted for each injector (30) individually to compensate for deviations the individual injectors (30, 32) have from standard injectors (30), wherein fuel is injected by each injector (30) and the operation of the engine resulting therefrom is evaluated, and wherein the method further comprises: determining for each cylinder a value of the peak pressure or the indicated mean pressure, which pressure value occurs during a combustion cycle in the cylinder's combustion chamber (12, 14), and modifying the injector characteristics individually for each injector (30, 32) to minimize differences between the pressure values over said cylinders.

IPC 8 full level

**F02D 35/02** (2006.01); **F02D 41/00** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP)

**F02D 35/023** (2013.01); **F02D 41/0085** (2013.01); **F02D 41/1498** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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