

Title (en)

Method for estimating the amount of injected fuel

Title (de)

Verfahren zur Abschätzung einer eingespritzten Kraftstoffmenge

Title (fr)

Procédé destiné à l'évaluation d'une quantité de carburant injectée

Publication

EP 1818528 A3 20101117 (DE)

Application

EP 07101727 A 20070205

Priority

DE 102006006303 A 20060210

Abstract (en)

[origin: DE102006006303B3] A process estimates the amount of fuel injected in a single operation to single cylinder in a fuel-injected multi-cylinder automotive piston engine. The segmented time-lapse in which the single injection takes place, is numerically evaluated by generating a second time-lapse derivation. The second segmented time-lapse derivation provides a corrected injection parameter, based on a combined test quantity and test moment performance diagram.

IPC 8 full level

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CPC (source: EP US)

F02D 41/0087 (2013.01 - EP US); **F02D 41/1497** (2013.01 - EP US); **F02D 41/2438** (2013.01 - EP US); **F02D 41/247** (2013.01 - EP US); **F02D 41/123** (2013.01 - EP US); **F02D 41/221** (2013.01 - EP US); **F02D 41/2441** (2013.01 - EP US); **F02D 2041/1432** (2013.01 - EP US); **F02D 2200/0614** (2013.01 - EP US); **F02D 2200/1004** (2013.01 - EP US); **F02D 2200/1012** (2013.01 - EP US)

Citation (search report)

- [X] DE 10257686 A1 20040715 - SIEMENS AG [DE]
- [I] DE 102004053347 A1 20050804 - DENSO CORP [JP]
- [X] DE 4122139 A1 19930107 - BOSCH GMBH ROBERT [DE]
- [A] EP 0534813 A1 19930331 - PEUGEOT [FR], et al
- [A] DE 4138765 A1 19920716 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006006303 B3 20070628; EP 1818528 A2 20070815; EP 1818528 A3 20101117; US 2007192019 A1 20070816; US 7333886 B2 20080219

DOCDB simple family (application)

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