

Title (en)

Apparatus and method to determine an emission value of a fuel injection engine

Title (de)

Einrichtung und Verfahren zum Ermitteln eines Emissionswerts einer Einspritzbrennkraftmaschine

Title (fr)

Appareil et méthode pour déterminer une valeur d'émission pour un moteur avec injection de carburant

Publication

**EP 1712763 A1 20061018 (DE)**

Application

**EP 06007772 A 20060413**

Priority

DE 102005017348 A 20050415

Abstract (en)

The engine has an injection device provided for direct injection of fuel into a combustion chamber, and an operation variable determination unit for determining operation variables of the engine. An emission determination device (1) determines a position of centre of gravity for the fuel combustion. The device (1) determines an unburned carbon emission value as emission value based on injection pressure and the position. An independent claim is also included for a method for determination of emission value for the exhaust gas formed during fuel combustion in a combustion chamber of an internal combustion engine.

IPC 8 full level

**F02D 41/00** (2006.01)

CPC (source: EP)

**F02D 35/023** (2013.01); **F02D 35/028** (2013.01); **F02D 41/1462** (2013.01); **F02D 41/1467** (2013.01); **F02D 41/38** (2013.01); **F02D 41/0072** (2013.01); **F02D 2250/32** (2013.01)

Citation (search report)

- [A] US 5103789 A 19920414 - HARTMAN PETER G [US], et al
- [A] US 4930478 A 19900605 - PLEE STEVEN L [US], et al
- [DA] DE 10043383 A1 20020314 - DAIMLER CHRYSLER AG [DE]

Cited by

EP3176414A1; WO2014040713A1

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DE FR GB IT

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