

Title (en)

Method and apparatus for determining fuel supply amount of internal combustion engine

Title (de)

Verfahren und Vorrichtung zur Bestimmung der zuzuführenden Kraftstoffmenge in einer Brennkraftmaschine

Title (fr)

Procédé et dispositif pour la détermination de la quantité de carburant à fournir à un moteur à combustion interne

Publication

**EP 1234969 A3 20051109 (EN)**

Application

**EP 02003894 A 20020221**

Priority

JP 2001046468 A 20010222

Abstract (en)

[origin: EP1234969A2] The amount of a change in the fuel injection amount that needs be made in accordance with a change in the target idle speed NETRG is corrected by the rotation speed correction factor QIPNT. When the engine friction is changed due to a change in the actual engine speed NE, the fuel injection amount is adjusted by using a friction correction factor QIPBB. The friction correction factor QIPBB is obtained independently from the other correction factors and by using a specially designed map. Therefore, all the correction factors are easily computed in accordance with changes in the target idle speed NETRG, which facilitates the development of programs for controlling fuel injection. <IMAGE>

IPC 1-7

**F02D 41/16**

IPC 8 full level

**F02D 41/16** (2006.01); **F02D 41/08** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP)

**F02D 41/08** (2013.01); **F02D 41/083** (2013.01); **F02D 41/1497** (2013.01)

Citation (search report)

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- [A] US 4633839 A 19870106 - YASUOKA AKIMASA [JP], et al
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EP1637718A4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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**EP 1234969 A2 20020828**; **EP 1234969 A3 20051109**; **EP 1234969 B1 20090401**; DE 60231766 D1 20090514; ES 2325060 T3 20090825; JP 2002250244 A 20020906; JP 3890902 B2 20070307

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