

Title (en)

Method for controlling the smooth running of an engine by adjusting the injected fuel quantity

Title (de)

Verfahren zur Anpassung der Einspritzmenge einer Brennkraftmaschine zur Laufregelung

Title (fr)

Méthode pour commander la régularité de fonctionnement d'un moteur par ajustement de la quantité de carburant injectée

Publication

**EP 0884465 A3 20000802 (DE)**

Application

**EP 98107909 A 19980430**

Priority

DE 19725233 A 19970614

Abstract (en)

[origin: EP0884465A2] The matching method involves acquiring a number of individual cylinder running noise values over an observation interval for each cylinder. The acquired values are sorted corresponding to their size. The mean value, according to the sorted values, is then compared with a zero value. The injection quantity is increased if the mean value is less than zero, and reduced if the mean value is greater than zero. The injection quantity is increased or reduced in fixed adjustable units per control loop.

IPC 1-7

**F02D 41/14**

IPC 8 full level

**F02D 41/00** (2006.01); **F02D 41/14** (2006.01); **F02D 41/34** (2006.01)

CPC (source: EP KR US)

**F02D 41/0085** (2013.01 - EP KR US); **F02D 41/1498** (2013.01 - EP KR US); **F02D 2200/1015** (2013.01 - EP KR US)

Citation (search report)

- [DA] DE 3336028 A1 19850418 - BOSCH GMBH ROBERT [DE]
- [A] US 5574217 A 19961112 - MCCOMBIE JAY C [US]
- [A] DE 3604904 A1 19870820 - BOSCH GMBH ROBERT [DE]
- [A] DE 4138765 A1 19920716 - BOSCH GMBH ROBERT [DE]

Cited by

DE102006026390A1; DE102006026390B4; DE102006032172A1; DE102006032172B4; US7703437B2; WO03023210A1

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