

Title (en)

Engine control method and apparatus

Title (de)

Verfahren und Vorrichtung zur Steuerung einer Brennkraftmaschine

Title (fr)

Procédé et dispositif de commande d'un moteur à combustion interne

Publication

**EP 1705356 A3 20101006 (DE)**

Application

**EP 06110379 A 20060224**

Priority

DE 102005012950 A 20050321

Abstract (en)

[origin: EP1705356A2] The method involves limiting a fuel quantity to be injected into an internal combustion engine to a limiting value. The limiting value is predefined as a function of an output signal of a closed-loop controller and a precontrol value. A closed-loop controller is used to ascertain the output signal as a function of a comparison between an expected lambda value and an actual lambda value to additively and/or multiplicatively correct the precontrol value. An independent claim is also included for a device for controlling an internal combustion engine.

IPC 8 full level

**F02D 41/10** (2006.01); **F02D 41/14** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

**F02D 41/10** (2013.01 - EP US); **F02D 41/1454** (2013.01 - EP US); **F02D 41/38** (2013.01 - EP US); **F02D 41/1402** (2013.01 - EP US); **F02D 41/187** (2013.01 - EP US); **F02D 2041/141** (2013.01 - EP US); **F02D 2250/26** (2013.01 - EP US); **F02D 2250/32** (2013.01 - EP US); **F02D 2250/38** (2013.01 - EP US)

Citation (search report)

- [X] EP 0411321 A1 19910206 - BOSCH GMBH ROBERT [DE]
- [X] WO 03095819 A1 20031120 - BOSCH GMBH ROBERT [DE]
- [X] EP 0385969 A1 19900905 - VOEST ALPINE AUTOMOTIVE [AT]
- [X] EP 0148107 A2 19850710 - AMBAC IND [US]
- [X] EP 1057993 A2 20001206 - ISUZU MOTORS LTD [JP]
- [X] US 2002011237 A1 20020131 - YOMOGIDA KOICHIRO [JP]

Cited by

FR2973442A1; FR2915241A1; EP1936154A3; WO2008139091A3

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 YU

DOCDB simple family (publication)

**EP 1705356 A2 20060927**; **EP 1705356 A3 20101006**; DE 102005012950 A1 20060928; DE 102005012950 B4 20190321; US 2006207583 A1 20060921; US 7438066 B2 20081021

DOCDB simple family (application)

**EP 06110379 A 20060224**; DE 102005012950 A 20050321; US 37898906 A 20060317