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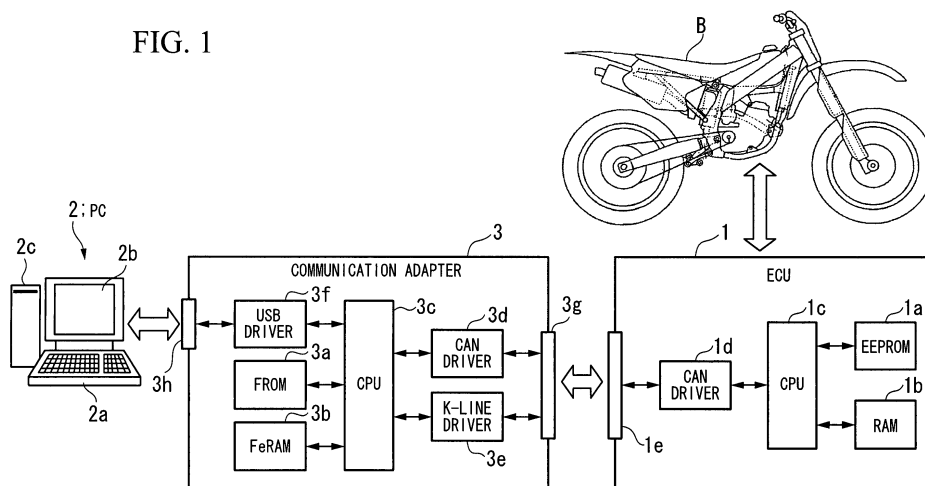
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(54) **Engine setting system and engine setting method**

(57) An engine setting system includes: an engine control device (1) and a terminal device (2), the engine control device (1) including: a first storage medium (1a) that stores a basic control map and a correction control map, the correction control map correcting the basic control map; a second storage medium (1b) that temporarily stores data; and a control section (1c) that performs an engine control based on the basic control map and the correction control map which are stored in the first storage medium (1a) during normal driving, the terminal device (2) being connected to and capable of communicating with the engine control device (1) and defining the correction control map based on input information, the

control section (1c) writing the correction control map as a provisional correction control map in the second storage medium (1b) at the time of engine setting, the correction control map being transmitted from the terminal device (2), the control section (1c) performing the engine control based on the basic control map stored in the first storage medium (1a) and the provisional correction control map stored in the second storage medium (1b), and the control section (1c) rewriting the provisional correction control map as a new correction control map in the first storage medium (1a) when the control section (1c) receives from the terminal device (2), an instruction to apply the provisional correction control map.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 09 01 2296

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 928 362 B2 (MEANEY JOHN [US]) 9 August 2005 (2005-08-09)	1,2,7	INV. F02D41/24 F02D41/26
Y	* abstract; claims 1,2; figures 2,3 * * column 1, line 36 - column 2, line 16 * * column 2, line 38 - column 3, line 30 * * column 4, line 15 - column 5, line 21 *	3-6	
Y	US 2002/089883 A1 (PEPI ALESSANDRO [IT] ET AL) 11 July 2002 (2002-07-11) * abstract; claims 1,2; figure 1 * * paragraph [0005] * * paragraph [0014] - paragraph [0025] *	3-6	
A	US 5 091 858 A (PAIELLI PERRY M [US]) 25 February 1992 (1992-02-25) * abstract; figures 26,27a,27b * * column 2, line 34 - column 3, line 46 * * column 4, line 54 - column 5, line 41 *	1-7	
A	EP 1 617 064 A2 (OPTIMUM POWER TECHNOLOGY LP [US]) 18 January 2006 (2006-01-18) * abstract; claim 1; figure 1 * * paragraph [0033] - paragraph [0049] *	1-7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC) F02D
Place of search		Date of completion of the search	Examiner
The Hague		18 July 2012	Van der Staay, Frank
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-7

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

EP 09 01 2296

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-7

Claims 1 to 7: The data handling for ECU trimming with different storage media.

2. claims: 8-13

Claims 8 to 13: The storing and reading of historical data for ECU trimming.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 09 01 2296

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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18-07-2012

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6928362	B2	09-08-2005	NONE	
US 2002089883	A1	11-07-2002	NONE	
US 5091858	A	25-02-1992	NONE	
EP 1617064	A2	18-01-2006	NONE	