

(19)



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(11)

EP 1 674 695 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
06.09.2006 Bulletin 2006/36

(51) Int Cl.:
F02D 9/10 (2006.01)

(43) Date of publication A2:
28.06.2006 Bulletin 2006/26

(21) Application number: **06075076.7**

(22) Date of filing: **05.03.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

(30) Priority: **06.03.2002 US 362032 P**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
03251307.9 / 1 342 896

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(54) **Assembly for electronic throttle control with position sensor**

(57) An electronic throttle control system is described. The system includes a sensor assembly operably engaged with the throttle valve and an actuator of the throttle valve. A connector connected to a housing of the system is electrically connected to the sensor assembly by means of a flexible interconnect.

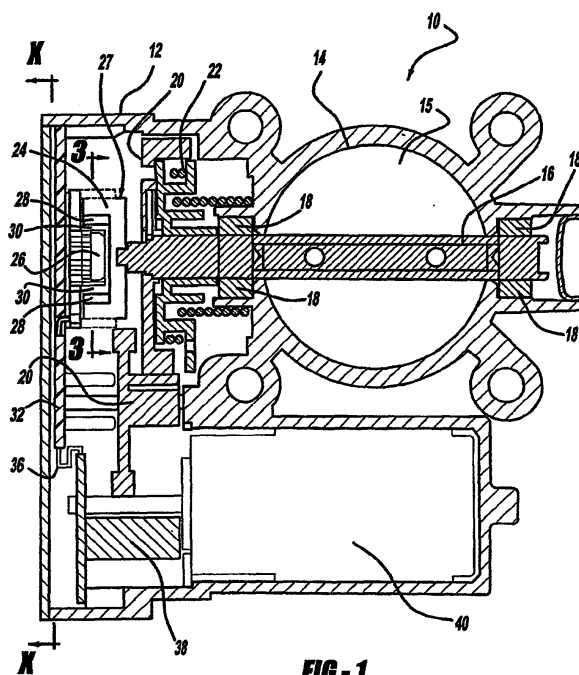


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 06 07 5076

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The present search report has been drawn up for all claims			
5	Place of search Munich	Date of completion of the search 26 July 2006	Examiner Mallo Lopez, M
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03.82 (P04C01)



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EUROPEAN SEARCH REPORT

Application Number
EP 06 07 5076

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
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The present search report has been drawn up for all claims				TECHNICAL FIELDS SEARCHED (IPC)
Place of search Munich		Date of completion of the search 26 July 2006	Examiner Mallo Lopez, M	
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>				

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

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:



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**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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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: 1-13

Control system with a flexible interconnect between the sensor assembly and the connector.

2. claims: 14-16

Control system comprising a throttle plate, a throttle shaft, a flat sensor aligned with the throttle shaft, a motor for moving the throttle shaft, the connector having connections with the motor and the sensor assembly.

3. claims: 17-19

Control system with a non-contact sensor and a valve associated to the bore.

4. claims: 20-24

Control system with a non-contact sensor and an actuator connected to the bore.

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

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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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-07-2006

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