

(19)



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(11)

EP 1 063 420 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
06.08.2003 Bulletin 2003/32

(51) Int Cl. 7: **F02M 55/02, F02M 61/14,**
F02M 69/46, F02M 63/02

(43) Date of publication A2:
27.12.2000 Bulletin 2000/52

(21) Application number: **00305314.7**

(22) Date of filing: **23.06.2000**

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE

Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **25.06.1999 GB 9914790**

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(54) Fuel supply system

(57) A fuel supply system for supplying fuel to an engine has a common rail (11) and injectors (14,15,16) which are located inside a housing (17), e.g. a rocker

cover, of the engine. The injectors (14,15,16) are mounted directly on the common rail (11) rather than being connected to the common rail (11) by connection lines.

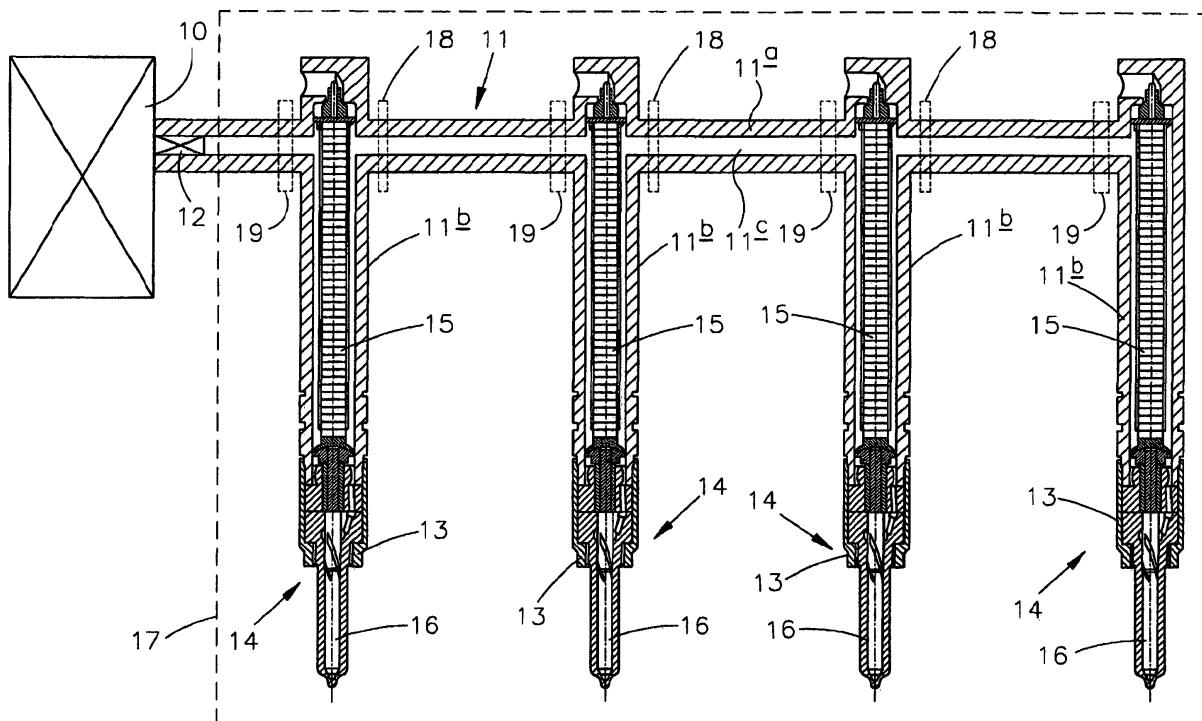


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.)		
X	DE 197 50 298 A (MAN NUTZFAHRZEUGE AG) 20 May 1999 (1999-05-20) * column 1, line 50 - line 66; figure 1 * ---	1,2,8,9	F02M55/02 F02M61/14 F02M69/46 F02M63/02		
Y	WO 92 16736 A (BOSCH GMBH ROBERT) 1 October 1992 (1992-10-01)	3,5-7			
A	* page 5, line 14 - paragraph 29; figures 1-3 * ---	8,9			
X	EP 0 704 619 A (DAIMLER BENZ AG) 3 April 1996 (1996-04-03) * abstract; figure 1 *	1,2,8,9			
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 11, 29 November 1996 (1996-11-29) & JP 08 189441 A (TOYOTA MOTOR CORP;OTIX:KK), 23 July 1996 (1996-07-23) * abstract *	3,5-7,9			
	-----		TECHNICAL FIELDS SEARCHED (Int.Cl.)		
			F02M		
The present search report has been drawn up for all claims					
Place of search	Date of completion of the search	Examiner			
MUNICH	13 February 2003	Kolland, U			
CATEGORY OF CITED DOCUMENTS					
X : particularly relevant if taken alone	T : theory or principle underlying the invention				
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date				
A : technological background	D : document cited in the application				
O : non-written disclosure	L : document cited for other reasons				
P : intermediate document	& : member of the same patent family, corresponding document				

**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:

1-3, 5-11



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: 1-3,5-11

The common rail is "adapted to be" located inside of a housing of the engine. With this arrangement fire risk is reduced.

2. Claim : 4

At least one injector should be mounted directly upon the rail. This should reduce the risk of leakage.

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

EP 00 30 5314

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.

13-02-2003

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