





European Patent  
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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 10 2890

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.6)
P,X	DE 196 13 184 A (DAIMLER BENZ AG) 16 October 1997 (1997-10-16) * column 1, line 27 - line 29 * * column 1, line 47 - line 52 * * column 1, line 64 - line 67 * * figure 1 *	1-3	F02D41/38 F02D41/20
Y	DE 44 40 700 A (FUJI HEAVY IND LTD) 14 June 1995 (1995-06-14) * column 1, line 21 - line 30 * * column 2, line 54 - column 3, line 18 * * column 3, line 65 - column 4, line 3 * * figures 1,2 *	1	
Y	US 4 704 997 A (BEPPU OSAMU ET AL) 10 November 1987 (1987-11-10) * column 1, line 64 - column 2, line 2 * * column 3, line 14 - line 25 * * figures 1-4 *	1	
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A		1,8	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 20 January 2000	Examiner De Vita, D
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			

EPO FORM 1503 03.82 (P04C01)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP 0 748 930 A (DAIMLER BENZ AG) 18 December 1996 (1996-12-18) * column 3, line 10 - column 4, line 33 * * figures 2,3 *	5-8	
A	EP 0 651 150 A (TOYOTA MOTOR CO LTD ;NIPPON DENSO CO (JP)) 3 May 1995 (1995-05-03) * column 13, line 8 - column 16, line 54 * * figures 5,6,14 *	9	
E	EP 0 860 601 A (TOYOTA MOTOR CO LTD) 26 August 1998 (1998-08-26) * page 3, line 5 - line 12 * * page 5, line 11 - page 6, line 9 * * figures 2,3 * * claims 1,4 *	5-9	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>20 January 2000</b>	Examiner <b>De Vita, D</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></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 &amp; : 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: 1-4

Common Rail with depressurating means in case of fuel injection valves failure.

2. Claims: 5-9

Common Rail system with failure determining means using fuel injection pressure changes as criteria for determination of system failure.

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

EP 98 10 2890

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.

20-01-2000

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