



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 30 4197

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.7)
A	US 4 852 761 A (MEYER KAREN M ET AL) 1 August 1989 (1989-08-01) * column 3, line 24 - column 4, line 57; figure 3 *	1	F02M25/08
A	US 4 058 380 A (KING II LAMAR L) 15 November 1977 (1977-11-15) * column 2, line 18 - column 2, line 47; figures 1,2 *	1	
A	US 5 992 396 A (BLUMENSTOCK ANDREAS ET AL) 30 November 1999 (1999-11-30) * column 3, line 6 - column 3, line 39; figures 1-4 *	1	
A	DE 197 09 781 A (BOSCH GMBH ROBERT) 17 September 1998 (1998-09-17) * column 2, line 30 - column 3, line 42; figures 1,2 *	1	
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 311 (M-0994), 4 July 1990 (1990-07-04) & JP 02 102358 A (AISAN IND CO LTD), 13 April 1990 (1990-04-13) * abstract *	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7) F02M
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) & JP 10 227260 A (AISAN IND CO LTD), 25 August 1998 (1998-08-25) * abstract *	1	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 9 December 2002	Examiner Marsano, F
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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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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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 209849 A (AISAN IND CO LTD), 12 August 1997 (1997-08-12) * abstract *	1		
A	--- PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05, 30 May 1997 (1997-05-30) & JP 09 004525 A (AISAN IND CO LTD), 7 January 1997 (1997-01-07) * abstract *	1		
A	--- US 5 641 344 A (CHINO YUJI ET AL) 24 June 1997 (1997-06-24) * column 4, line 20 - column 7, line 54; figures 1-5 *	2		
A	--- PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12, 29 October 1999 (1999-10-29) & JP 11 200963 A (NISSAN MOTOR CO LTD), 27 July 1999 (1999-07-27) * abstract *	2		TECHNICAL FIELDS SEARCHED (Int.Cl.7)
A	--- US 4 598 686 A (LUPOLI PETER J ET AL) 8 July 1986 (1986-07-08) * column 5, line 3 - column 5, line 38; figure 1 *	2		
A	--- US 3 683 597 A (BEVERIDGE THOMAS R ET AL) 15 August 1972 (1972-08-15) * column 4, line 6 - column 5, line 30; figures 2,11,15 *	2		
The present search report has been drawn up for all claims				
Place of search MUNICH		Date of completion of the search 9 December 2002	Examiner Marsano, F	
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LACK OF UNITY OF INVENTION
SHEET B

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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. Claim : 1

A canister with a first adsorbent chamber and a second adsorbent chamber which are communicated in series with each other, a tank port and a purge port opened to an upper space in the first adsorbent chamber, an atmospheric port opened to an upper space in the second adsorbent chamber, and a dust filter located between the atmospheric port and the second adsorbent chamber, characterised in that the dust filter is formed in a crescent-like shape.

2. Claims: 2-4

A canister comprising a canister casing having at an upper portion therein an atmospheric port and defining therein with an adsorbent filled chamber, a filter mounting chamber communicating the adsorbent chamber defined in the canister casing with the atmospheric port, and a filter holding member formed therein, for holding a dust preventing filter, with a adsorbent side filter is arranged and secured on the bottom side of the fitted filter holding member, characterised by temporary holding means for temporarily holding the filter holding member in a mounted condition.



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A	PATENT ABSTRACTS OF JAPAN vol. 004, no. 186 (C-036), 20 December 1980 (1980-12-20) & JP 55 127123 A (HITACHI LTD), 1 October 1980 (1980-10-01) * abstract * -----	2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 9 December 2002	Examiner Marsano, F
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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 4197

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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09-12-2002

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