



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y A	US 6 443 179 B1 (BENAVIDES GILBERT L ET AL) 3 September 2002 (2002-09-03) * column 1, line 27 - line 41 * * column 1, line 66 - column 2, line 18 * * column 6, line 31 - column 9, line 27 * * column 11, line 46 - column 17, line 44; figures 3,4,11-23 *	1-4,6,7, 9,10 8	INV. B81B7/02 F15C5/00 F23N1/00 F24C3/12
Y A	US 6 149 123 A (HARRIS ET AL) 21 November 2000 (2000-11-21) * column 5, line 26 - column 9, line 25 * * column 13, line 37 - line 67; figures 2,3 *	1-4,6,7, 9,10 8	
Y	US 2004/137300 A1 (GEMMEN RANDALL ET AL) 15 July 2004 (2004-07-15) * paragraph [0004] - paragraph [0006] * * paragraph [0019] - paragraph [0020] * * paragraph [0061] - paragraph [0068]; figure 3 *	1-4,6,7, 9,10	
Y A	US 6 523 560 B1 (WILLIAMS KIRT R ET AL) 25 February 2003 (2003-02-25) * column 1, line 52 - line 55 * * column 4, line 29 - column 5, line 39; figures 1a,1b,1c,1d *	1-4,6,7, 9,10 8	TECHNICAL FIELDS SEARCHED (IPC) B81B F15C F24C F16K
Y A	WO 02/18785 A (ADVANCED SENSOR TECHNOLOGIES; HOWER, ROBERT, W; CANTOR, HAL, C; MONDRO) 7 March 2002 (2002-03-07) * page 8, paragraph 1 - paragraph 4 * * page 10, line 23 - line 27 *	1-4,6,7, 9,10 8	
A	US 6 142 444 A (KLUGE ET AL) 7 November 2000 (2000-11-07) * the whole document *	1,7,9,10	
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6 The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 May 2006	Examiner Theis, G
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)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 098 121 A (MEMSCAP S.A; JDS UNIPHASE CORPORATION) 9 May 2001 (2001-05-09) * the whole document * -----	1,7,9,10	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 30 May 2006	Examiner Theis, G
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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EPO FORM 1503 03 82 (P04C01)

**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:



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: 1-7,9,10

Control valve assembly, a method of controlling a gas flow, a method of manufacturing a control valve assembly wherein a positive shut off valve is provided for controlling/interrupting the gas flow to a MEMS valve.

2. claim: 8

MEMS valve assembly wherein a plurality of MEMS valves are disposed on a heat sinking substrate and a sealing device seals the heat sinking substrate between a first gas flow device and a second gas flow device downstream of the first gas flow device.

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

EP 05 25 5503

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.

30-05-2006

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