



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/026212

A. CLASSIFICATION OF SUBJECT MATTER
INV. B01L3/00 G01N15/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
G01N B01L G01K G01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/105077 A1 (PADMANABHAN ARAVIND [US] ET AL) 19 May 2005 (2005-05-19)	3
Y	paragraphs [0002], [0004], [0005], [0010] - [0012], [0021], [0067], [0072], [0073], [0076], [0187], [0188]; claims 1-3; figures 1-4	1,2
Y	US 5 939 326 A (CHUPP VERNON L [US] ET AL) 17 August 1999 (1999-08-17) column 62, line 34 - line 43; example 3 column 63, line 19 - line 24	1,2
Y	US 2005/073686 A1 (ROTH WAYNE D [US] ET AL) 7 April 2005 (2005-04-07) paragraph [0116]	1,2
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

16 April 2007

Date of mailing of the international search report

23/04/2007

Name and mailing address of the ISA/
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/026212

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/106739 A1 (CABUZ CLEOPATRA [US] ET AL) 19 May 2005 (2005-05-19)	5,6
Y	claims 1,2,8-20; figures 1-4	4
Y	JP 2002 243572 A (OSAKA GAS CO LTD) 28 August 2002 (2002-08-28) abstract	4
A	US 2004/202581 A1 (BERNDT MANFRED [DE]) 14 October 2004 (2004-10-14) claims 18,22,24	5
A	US 5 726 404 A (BRODY JAMES P [US]) 10 March 1998 (1998-03-10) claims 1,9-12,17-19; figures 3,6	6
A	DE 31 27 560 A1 (JOCHIMSEN SIEGFRIED [DE]) 17 February 1983 (1983-02-17) page 4, line 17 - line 20	7
Y	US 2005/106742 A1 (WAHL HANS-PETER [DE]) 19 May 2005 (2005-05-19) paragraphs [0039], [0043], [0053]; figure 8	7
Y	US 2003/083685 A1 (FREEMAN DOMINIQUE M [US] ET AL) 1 May 2003 (2003-05-01) paragraphs [0264], [0269]	7
X	US 2004/259241 A1 (BARRINGER GEORGE E [US] BARRINGER JR GEORGE E [US]) 23 December 2004 (2004-12-23) paragraphs [0003], [0072], [0074]; claims 36,37	8
X	US 5 315 861 A (EGAN GEORGE P [US] ET AL) 31 May 1994 (1994-05-31) column 2, line 47 - column 3, line 4; claims 1,2; figure 2 column 4, line 28 - line 59	9
A	US 3 731 524 A (LANGLEY L ET AL) 8 May 1973 (1973-05-08) column 1, line 2 - line 25; claim 1	9
A	US 4 664 056 A (JEHANNO JEAN-VINCENT [FR]) 12 May 1987 (1987-05-12) column 1, line 5 - line 21; claim 1; figures 5-15	10
A	US 5 924 294 A (TIBY GERARD [FR]) 20 July 1999 (1999-07-20) column 1, line 6 - line 10; claims 1,2	10
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International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 63 165480 A (MITSUI TOATSU CHEMICALS) 8 July 1988 (1988-07-08) abstract -----	10

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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,3

Microfluid analyzer system comprising a fluidic circuit, a flow sensor, a pump/pressure source and a processor, wherein flow rate data measured by the flow sensor are sent to the processor and are used to correct the results obtained by the analyzer (claim 1) or to perform a closed-loop control of the flow-rate (claim 3).

2. claims: 4-6

Check system for a channel of a cytometer or a fluid interface between two units of a hematology analyzer

3. claim: 7

System for checking a fluid in a channel of a hematology analyzer

4. claim: 8

System for checking backflow in a channel of a cytometer

5. claim: 9

System for dry qualification of a fluidic cartridge

6. claim: 10

Sytem for temperature exposure limit check of a fluidic cartridge of a cytometer

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/026212

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2005105077	A1	19-05-2005	NONE	
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JP 63165480	A	08-07-1988	NONE	