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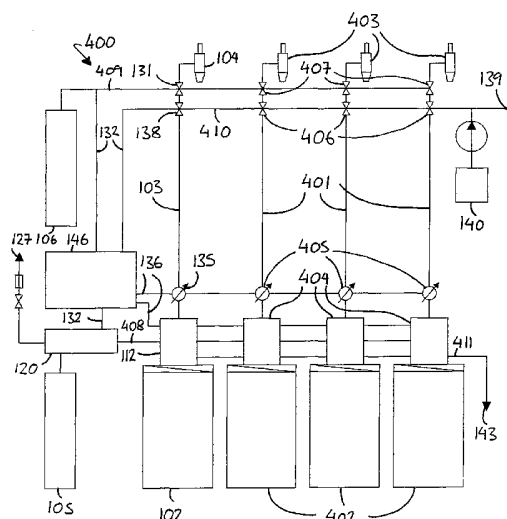
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FLUID LINE APPARATUS



(57) Abstract: Fluid line apparatus comprising a container, a line, a line end valve, pressurisation means and control means, in which the line connects the container to the line end valve, in which a first function of the pressurisation means is to pressurise the container such that fluid in the container is forced in the direction of the line end valve, in which a second function of the pressurisation means is to pressurise the line such that fluid in the line is forced in the direction of the container, in which in use the control means controls the application of the pressurisation means to the container and the line such that when fluid is to be dispensed from the apparatus it is forced towards the line end valve, and when the line is to be cleared of fluid, said fluid is forced towards the container, and in which fluid returning to the container is subjected to a filtering means.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2005/005068

A. CLASSIFICATION OF SUBJECT MATTER
INV. B67D1/07

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)
B67D

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)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 277 555 A (ROSKOTHEN PATENT BIERARMATUREN G.M.B.H) 22 September 1927 (1927-09-22) page 3, line 15 - page 4, line 9; figure 1 -----	1-56, 58-62,79
X	DE 31 23 289 A1 (MALLEK,HEINZ) 29 December 1983 (1983-12-29) page 3, line 21 - line 33; figures 1,2 -----	1,58,61, 62,79
X	DE 417 657 C (KARL ROSKOTHEN) 17 August 1925 (1925-08-17) the whole document -----	1,58,61, 62,79
A	GB 2 224 487 A (MICHAEL JOHN * BENNETT) 9 May 1990 (1990-05-09) -----	
A	DE 572 599 C (AUGUST RIEDEL) 18 March 1933 (1933-03-18) -----	
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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

27 June 2006

Date of mailing of the international search report

07. 08. 2006

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INTERNATIONAL SEARCH REPORT

Internationa application No
PCT/GB2005/005068

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 367 264 C (GERHARD GRAF; EDUARD GOTTHARDT) 22 January 1923 (1923-01-22) -----	
A	WO 99/61366 A (MESSER GRIESHEIM GMBH; NEU, PETER; NEY, BODO; ISELHORST, RALF; THIELE,) 2 December 1999 (1999-12-02) -----	

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2005/005068

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.: 57, 63, 76, 80
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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.:
1-56, 58-60, 61, 62, 79

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

Continuation of Box II.2

Claims Nos.: 57, 63, 76, 80

Rule 6.2 a) PCT

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-56, 58-60, 61, 62, 79

A Fluid line apparatus and a method therefor

2. claims: 64-75

A filtering unit module

3. claims: 77-78

A fluid draining apparatus

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat

application No

PCT/GB2005/005068

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
GB 277555	A	22-09-1927	NONE
DE 3123289	A1	29-12-1983	NONE
DE 417657	C	17-08-1925	NONE
GB 2224487	A	09-05-1990	NONE
DE 572599	C	18-03-1933	NONE
DE 367264	C	22-01-1923	NONE
WO 9961366	A	02-12-1999	AT 236850 T 15-04-2003
		AU 4265499 A 13-12-1999	
		DE 19980937 D2 16-08-2001	
		EP 1082267 A1 14-03-2001	