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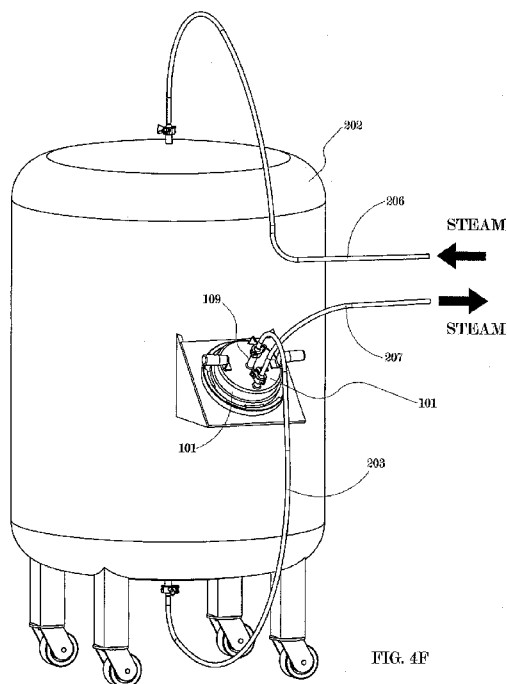
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[Continued on next page]

(54) Title: STERILE LIQUID TRANSFER PORT



(57) Abstract: A sterilization system for a sterile liquid transfer port sys-
tem includes an isolation wall having a first and second side, an alpha as-
sembly spanning a port in the isolation wall between the first and second
sides of the isolation wall and a beta assembly configured for connection
with the alpha assembly from the first side of the isolation wall for sterile
transfer of a product. The system further includes a docking cover on the
first side of the isolation wall which can mate to the beta assembly during
a sterilization process.

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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER		
INV.	A61L2/26	A61L2/07
		G21F7/00
		C12M1/12
ADD.		
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)		
A61L G21F C12M B25J		
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		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 661 062 A (TOTAL PROCESS CONTAINMENT LTD [GB]) 5 July 1995 (1995-07-05) column 4, line 21 - column 8, line 16; figures 2,7-12	1-11
Y	WO 2007/044347 A (CAPITAL FORMATION INC [US]; GIESEN ISAAC M [US]) 19 April 2007 (2007-04-19) page 5, line 19 - page 9, line 23 page 12, line 1 - page 14, line 9	1-11
A	EP 0 830 896 A (BOC GROUP INC [US]) 25 March 1998 (1998-03-25) column 3, line 39 - column 6, line 48	1-11
A	US 4 347 877 A (HOISS JAKOB) 7 September 1982 (1982-09-07) the whole document	1,8-11
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> 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		*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
E earlier document but published on or after the international filing date		*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
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)		*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.
O document referring to an oral disclosure, use, exhibition or other means		* & * document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed		
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INTERNATIONAL SEARCH REPORT

International application No.
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Box No. 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 No. 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 fees, this Authority did not invite payment of additional fees.

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.:

1-11

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- 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: 1-11

Claim 1 defines a sterilisation system for a sterile liquid transfer port (SLTP) system comprising (a) an isolation wall, (b) an alpha assembly, (c) a beta assembly configured for connection with the alpha assembly and (d) a docking cover configured for connection with the beta assembly.

2. claims: 12-26

Independent claims 12 and 20 define a (beta) assembly comprising a housing or cover/flange, a drain tube and multiple bayonet connections to be aligned (in use) with an alpha assembly.

3. claims: 27-41

Claim 27 defines a method for sterilising a system by (a) mounting a beta assembly to a docking cover, (b) connecting a product hose from a tank to the beta assembly, (c) connecting a drain hose to the beta assembly and (d) passing a sterilisation medium through the tank, supply (product?) hose and beta assembly.

Claim 34 defines a sterilisation assembly comprising a housing with a product tube, a drain tube and flange bayonets and a docking cover having bayonet receivers to engage the flange bayonets.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0661062	A	05-07-1995 US 5562882 A	08-10-1996
WO 2007044347	A	19-04-2007 EP 1940565 A2 JP 2009512603 T	09-07-2008 26-03-2009
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