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(54) **Title:** EXPANDABLE FLUID COLLECTION CANISTER

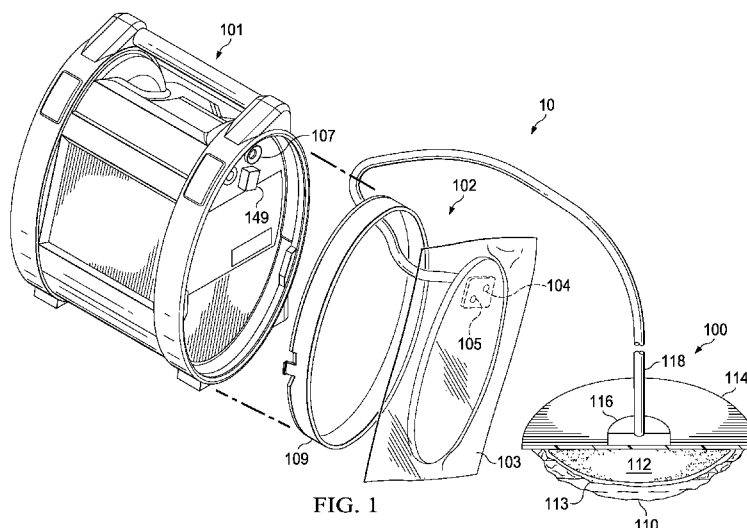


FIG. 1

(57) **Abstract:** A bodily fluid collection system includes a reduced pressure treatment unit for providing reduced pressure to a fluid collection system through a canister having a container with an inlet adapted to be fluidly coupled to the fluid collection system, an outlet adapted to be connected to a source of reduced pressure, and an absorptive lamination disposed within the container. The absorptive lamination may be formed from a plurality of absorptive layers and wicking layers interleaved between the absorptive layers that collectively manifold bodily fluids from a tissue site into and throughout the absorptive lamination to trap and collect the bodily fluids. The container expands as the absorptive lamination swells with the bodily fluid being collected.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/012818

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61M1/00
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)
A61M

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 practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011/172616 A1 (HARTWELL EDWARD YERBURY [GB] ET AL) 14 July 2011 (2011-07-14) paragraph [0024] - paragraph [0039]; claims 1,3,7; figures 1,2 -----	1,2,4,5, 8-11
A	US 5 630 855 A (LUNDBAECK STIG [SE]) 20 May 1997 (1997-05-20) column 2, line 1 - column 3, line 20; figures 1-3 -----	1
A	US 2013/053797 A1 (LOCKE CHRISTOPHER BRIAN [GB] ET AL) 28 February 2013 (2013-02-28) paragraphs [0062], [0067], [0067]; figures 7-9 ----- -/--	1



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 application or patent 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

30 April 2014

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27/10/2014

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/012818

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.: **16**
because they relate to subject matter not required to be searched by this Authority, namely:
see FURTHER INFORMATION sheet PCT/ISA/210
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.:
1-15, 17

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.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2014/012818

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 10 2010 060543 A1 (RIESINGER BIRGIT [DE]) 26 April 2012 (2012-04-26) Auch mehrere übereinanderliegende Schichten in Teilbereichen oder als komplette Innenverkleidung sind möglich.; paragraph [0040] 16,flüssigkeitsabsorbierende Schicht -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/012818

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2011172616 A1	14-07-2011	AU 2009219893 A1	03-09-2009
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		EP 2629815 A2	28-08-2013
		US 2013304004 A1	14-11-2013
		WO 2012052519 A2	26-04-2012

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-15, 17

A bodily fluid collection system with a canister comprising an inlet, an outlet, and a volumetrically expandable container, and a plurality of layers of wicking material positioned proximate to a plurality of layers of absorptive material, within said container, further comprising a tube situated within said container.

2. claims: 18-36

A canister for collecting bodily fluids from a fluid collection system comprising an expandable container;an inlet;an outlet; and an absorptive lamination disposed within the container, whereby the plurality of wicking layers are interleaved between the absorptive layers.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 16

The claim 16 relates to a method comprising the step of introducing bodily fluid into a canister. This steps indirectly encompasses receiving said bodily fluids from a tissue site of a patient (see e.g. description of the application [0019]: ".. and receiving bodily fluids from the patient"]. Nowhere in the application it is suggested that the bodily fluids could be obtained in ways other than from a (living) patient, nor would that be logical. Such methods are considered methods of treatment of the human or animal body by therapy. The subject matter of claim 16 was therefore not searched (Article 17(2)(a)(i)/(ii) and Rule 39.1(iv) PCT) and consequently no opinion will be formulated on the subject matter of those claims (Article 34(4)(a)(i) and Rule 67.1(iv) PCT).