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[Continued on next page]

(54) Title: CONNECTING AND CONTAINER SYSTEM

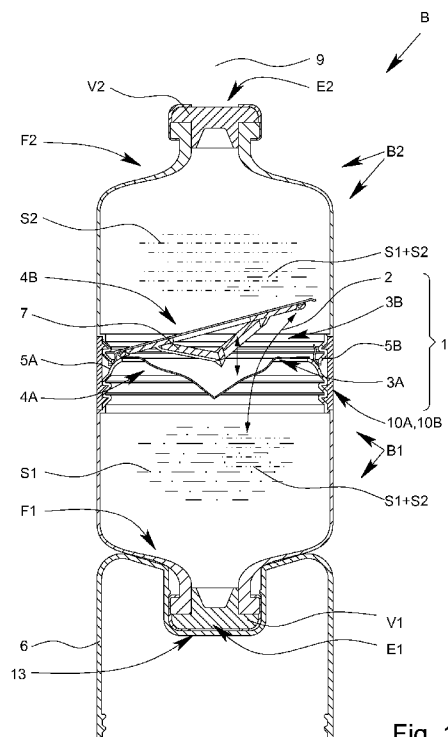


Fig. 1

(57) Abstract: The present invention relates to a connecting system for providing a fluidic connection, preferably between containers, wherein the connecting system comprises at least two connecting arrangements configured to produce the fluidic connection, the connecting arrangements each comprising an opening region which is fluidically sealed in an initial state and is, in particular, film-like, brittle, fragile and/or unstable, and wherein the opening regions are each covered in sterile or sterilisable manner.



DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE,
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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61J1/14 A61J1/20
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)
A61J

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)

EPO-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	WO 97/10156 A1 (BIODOME [FR]; ANEAS ANTOINE [FR]) 20 March 1997 (1997-03-20) figures 1-3	1-7
X	WO 98/02129 A1 (PHARMACIA & UPJOHN AB [SE]; BENNWICK PERCY [SE]; LJUNGQUIST OLLE [SE]) 22 January 1998 (1998-01-22) figures 1A-1C	1-7
X	WO 2014/022909 A1 (DUOJECT INC [CA]) 13 February 2014 (2014-02-13) figures 1,2,4-7	1-3,5,7
A	WO 2013/104550 A1 (BOEHRINGER INGELHEIM VETMED [DE]) 18 July 2013 (2013-07-18) cited in the application the whole document	1-7
	-/-	



Further documents are listed in the continuation of Box C.



See patent family annex.

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"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

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Date of the actual completion of the international search

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Name and mailing address of the ISA/

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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.
X	FR 2 790 948 A1 (SEDAT [FR]) 22 September 2000 (2000-09-22) page 4, lines 16-17; figures 1-6 -----	26-41
X	WO 2011/050333 A1 (AMGEN INC [US]; HOLT MARK DOMINIS [US]; CAIRNS ALEXANDER STUART [US]) 28 April 2011 (2011-04-28) figures 19-28 -----	26-28, 30-38, 40,41
X	EP 2 455 058 A1 (NIPRO CORP [JP]) 23 May 2012 (2012-05-23) figures 1,4,7 -----	26-28, 30-38, 40,41
X	WO 2011/091542 A1 (MEDMIX SYSTEMS AG [CH]; BREM WILLIAM [CH]; KAYSER RALPH EGON [CH]; GRE) 4 August 2011 (2011-08-04) figures 7-11b -----	26-28, 30-35, 37,38, 40,41

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.:
1-7, 26-41
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 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: 1-7

Container comprising a connecting arrangement, a sealing arrangement and a cover.

Special technical feature (STF, found in claim 1): The sealing arrangement seals off a volume in contact with an opening region of the connecting arrangement.

Technical effect (TE): The opening region is separated from a sealed chamber formed by the cover.

Technical problem (TP): How to obtain a reliable sterile seal or closure for a container.

2. claims: 8-15(completely); 23-25(partially)

Connecting system for providing a fluidic connection between two containers.

STF (claim 8): The two connecting arrangements comprise a sealing arrangement.

TE: The sealed chamber formed by the connected arrangements is sealed off an outer volume.

TP: How to provide a sterile fluidic connection between two containers.

3. claims: 16-22(completely); 23-25(partially)

Connecting system comprising two connecting arrangements, the opening region of at least one of which is separated from the environment.

STF (claim 17): The opening region comprises a cap-like covering means.

TE: The cap-like covering means separates the opening device from the environment.

TP: How to separate the opening region of a connecting arrangement from the environment in a sterile or sterilisable manner.

4. claims: 26-41

Container system comprising securing device which prevents the relative movement between two containers.

STF (claim 26): The container system comprises a securing device.

TE: Relative movement between the two containers is prevented.

TP: How to prevent fluidic connection between containers which can be fluidically connected by a relative movement.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2016/025061

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