

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
15 April 2021 (15.04.2021)



(10) International Publication Number
WO 2021/069586 A9

(51) International Patent Classification:

B01D 61/20 (2006.01) **F16L 33/00** (2006.01)
B01D 63/02 (2006.01) **A61M 39/10** (2006.01)
B01D 65/00 (2006.01) **A61M 39/12** (2006.01)

(21) International Application Number:

PCT/EP2020/078275

(22) International Filing Date:

08 October 2020 (08.10.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PA 2019 01194 09 October 2019 (09.10.2019) DK

(71) Applicant: **STOBBE PHARMA GMBH** [CH/CH]; Via
Vacallo 1H, 6834 Morbio Inferiore (CH).

(72) Inventor: **STOBBE, Per**; Via Vacallo 1H, 6834 Morbio
Inferiore (CH).

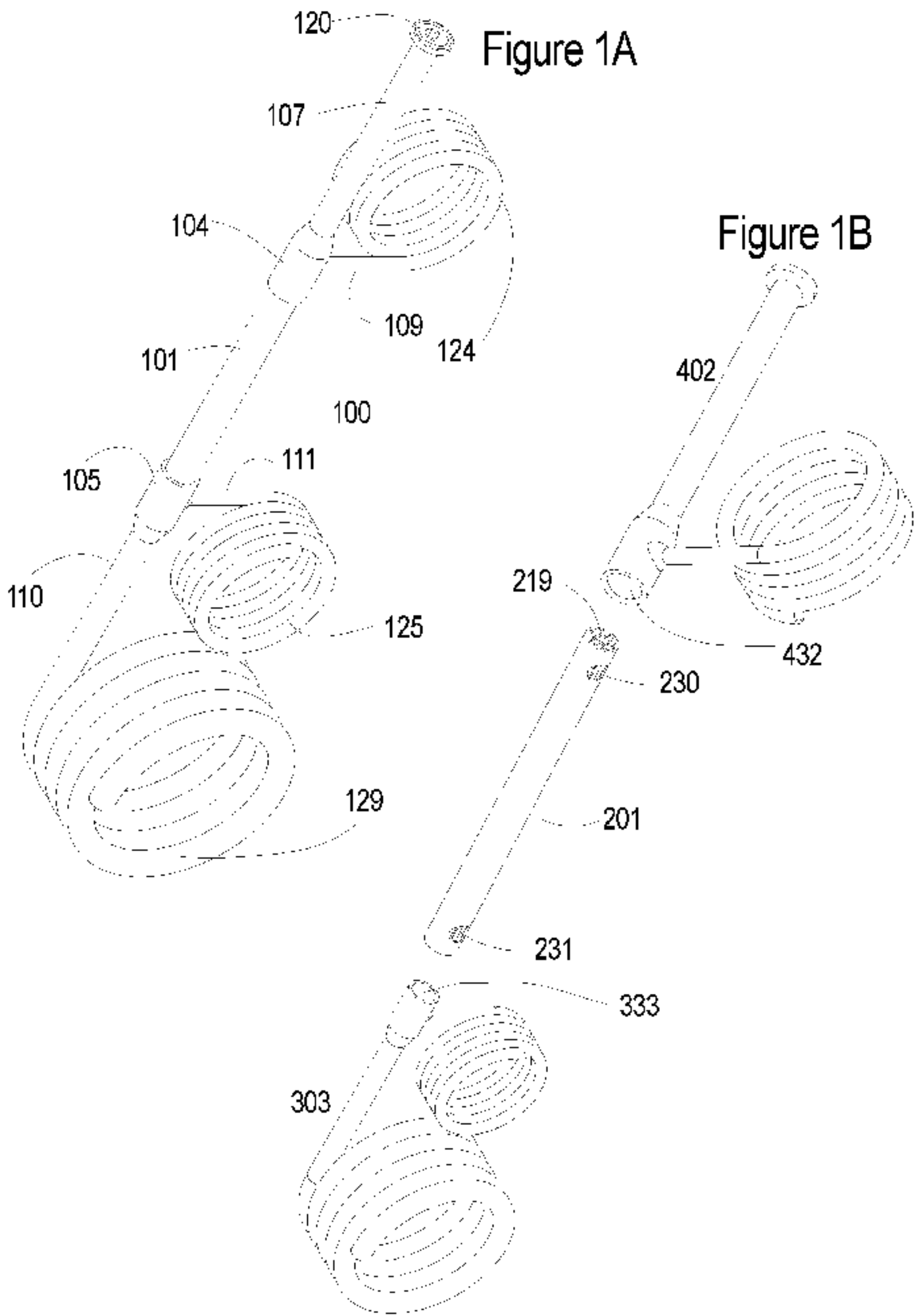
(74) Agent: **NEX & PHISTER APS**; Cobis Ole Maaløes Vej 3,
2200 COPENHAGEN N (DK).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN,
KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO,
NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,
SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, 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, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: SIMPLIFIED FLUID CONNECTION AND MEMBRANE FILTER

(57) Abstract: The invention concerns a set of tubular elastic coupling bodies
arranged opposing at inlet and outlet of a filter cartridge. The tubular elastic end
coupling comprises a tube end adapted to fit on the filter cartridge inlet/outlet.
The elastic end coupling comprises one or more tubular fluid connections for
conveying fluid to and from external means for fluid content separation purposes
by said membrane filter cartridge.



Published:

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the revised international search report:

24 June 2021 (24.06.2021)

(15) Information about Correction:

see Notice of 24 June 2021 (24.06.2021)

INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2020/078275

A. CLASSIFICATION OF SUBJECT MATTER

INV. B01D61/20 B01D63/02 B01D65/00 F16L33/00 A61M39/10
A61M39/12

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)

B01D F16L 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)

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	DE 20 2011 106230 U1 (HEINZ MEISE GMBH [DE]) 14 November 2011 (2011-11-14)	12
A	abstract figures 1,2	1-11
X	US 2016/222337 A1 (SERWAY DAVID [US]) 4 August 2016 (2016-08-04)	12
A	abstract figure 3	1-11
X	EP 3 088 070 A1 (ASAHI KASEI MEDICAL CO LTD [JP]) 2 November 2016 (2016-11-02)	12
A	figure 1	1-11
X	EP 0 442 310 A1 (GAMBRO DIALYSATOREN [DE]) 21 August 1991 (1991-08-21)	12
	figure 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

18 December 2020

Date of mailing of the international search report

18/05/2021

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Lançon, Eveline

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2020/078275

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 202011106230 U1	14-11-2011	DE 102012109343 A1 DE 202011106230 U1	04-04-2013 14-11-2011

US 2016222337 A1	04-08-2016	US 2016222337 A1 US 2020325437 A1	04-08-2016 15-10-2020

EP 3088070 A1	02-11-2016	CN 105745011 A EP 3088070 A1 JP 6285961 B2 JP W02015099015 A1 SG 11201604832R A US 2016310906 A1 WO 2015099015 A1	06-07-2016 02-11-2016 28-02-2018 23-03-2017 28-07-2016 27-10-2016 02-07-2015

EP 0442310 A1	21-08-1991	DE 69100283 T2 DK 0442310 T3 EP 0442310 A1 ES 2043395 T3 JP 3452589 B2 JP H04211794 A SE 466813 B US 5165728 A	23-12-1993 11-10-1993 21-08-1991 16-12-1993 29-09-2003 03-08-1992 06-04-1992 24-11-1992
