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(12) **United States Design Patent**
Kremerman

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(45) **Date of Patent: ** May 11, 2021**

(54) **DISTILLATION TUBE WITH FRACTION COLLECTOR**

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(72) Inventor: **Elliot Kremerman**, Los Gatos, CA (US)

(**) Term: **15 Years**

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(51) **LOC (13) Cl.** **23-01**
(52) **U.S. Cl.**
USPC **D23/207**
(58) **Field of Classification Search**
USPC D23/207, 209, 213, 233, 359, 266, 268
CPC B01D 5/051; B01D 3/00; B01D 3/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,038,546	A	*	4/1936	Dearing	B01D 5/0039 417/53
D173,603	S		12/1954	Atkinson	
2,701,789	A	*	2/1955	White	B01D 3/4205 202/161
3,020,215	A		2/1962	Weber	
3,271,935	A		9/1966	Smith	
3,334,025	A		8/1967	Reid	
D247,248	S		2/1978	Durot	
4,089,749	A		5/1978	Karamian	
D248,485	S		7/1978	Strauss	
4,159,817	A		7/1979	Ikawa	
4,230,536	A		10/1980	Sech	
4,303,614	A		12/1981	Spring	
D293,128	S		12/1987	Karamian	
D293,368	S		12/1987	Karamian	
D306,338	S		2/1990	Rempe	
D314,225	S		1/1991	Palmer	
D316,739	S		5/1991	Erickson	
D318,917	S	*	8/1991	Karamian	D24/232
D339,862	S		9/1993	Weber	
5,354,428	A		10/1994	Clark	
D358,448	S		5/1995	Paoli	
5,411,707	A		5/1995	Hiatt	
5,711,857	A		1/1998	Armstrong	
D412,550	S		8/1999	Bell	
D425,174	S		5/2000	Swancara	
D432,203	S		10/2000	Edwards	
D455,813	S		4/2002	Mount	
D458,340	S		6/2002	Lindahl	
6,551,464	B1		4/2003	Kimel	

(Continued)

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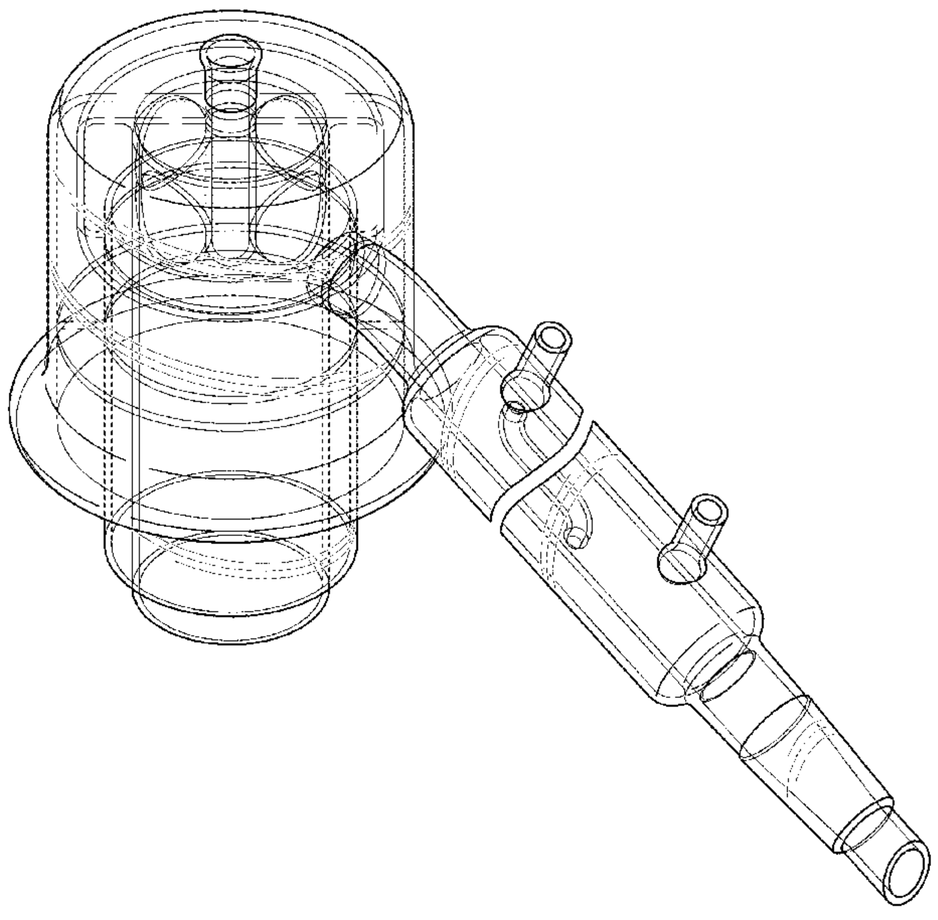
(57) **CLAIM**

The ornamental design for a distillation tube with fraction collector, as shown and described.

DESCRIPTION

FIG. **1** shows a top and side perspective view of a distillation tube with fraction collector.
FIG. **2** shows a bottom and reverse side perspective view thereof.
FIG. **3** shows a front elevation view thereof.
FIG. **4** shows a right side elevation view thereof.
FIG. **5** shows a left side elevation view thereof.
FIG. **6** shows a top plan view thereof.
FIG. **7** shows a bottom plan view thereof; and,
FIG. **8** is a cross sectional view taken in the direction of **8-8** in FIG. **5**.
The distillation tube with fraction collector is shown with a symbolic break along its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D634,397	S	3/2011	Lautzenheiser	
8,496,234	B1 *	7/2013	Govindan	B01D 5/0039 261/128
D706,386	S	6/2014	Ambler	
D727,460	S	4/2015	Collins	
D728,854	S	5/2015	Shlyakhter	
D731,615	S	6/2015	Ambler	
9,138,657	B1	9/2015	Wiederin	
D775,310	S	12/2016	Kremerman	
D776,238	S	1/2017	Kremerman	
D780,286	S	2/2017	Ausner	
D787,630	S	5/2017	Lipkens	
D790,033	S	6/2017	Kremerman	
9,682,331	B2	6/2017	Kremerman	
9,750,834	B1 *	9/2017	Hammarback	B01D 27/08
D802,084	S	12/2017	Kremerman	
D802,085	S	12/2017	Kremerman	
D805,599	S	12/2017	Kremerman	
D805,600	S	12/2017	Kremerman	
D806,829	S	1/2018	Kremerman	
D819,779	S	6/2018	Kremerman	
D828,904	S *	9/2018	Maibach, Jr.	D23/207
D841,119	S *	2/2019	Huang	D23/207
D849,184	S	5/2019	Kremerman	
D849,187	S	5/2019	Kremerman	
D852,928	S *	7/2019	Maibach, Jr.	D23/207
D862,640	S *	10/2019	Maibach, Jr.	D23/207
D877,856	S	3/2020	Maibach, Jr.	
D896,921	S *	9/2020	Maibach, Jr.	D23/207
D896,923	S *	9/2020	Maibach, Jr.	D23/213
D910,809	S *	2/2021	Pawlak	D23/207
2018/0161693	A1	6/2018	Kremerman	
2018/0280829	A1 *	10/2018	Hao	B01L 3/16
2018/0290074	A1	10/2018	Kremerman	
2019/0009188	A1	1/2019	Kremerman	
2019/0076752	A1	3/2019	Maibach	

* cited by examiner

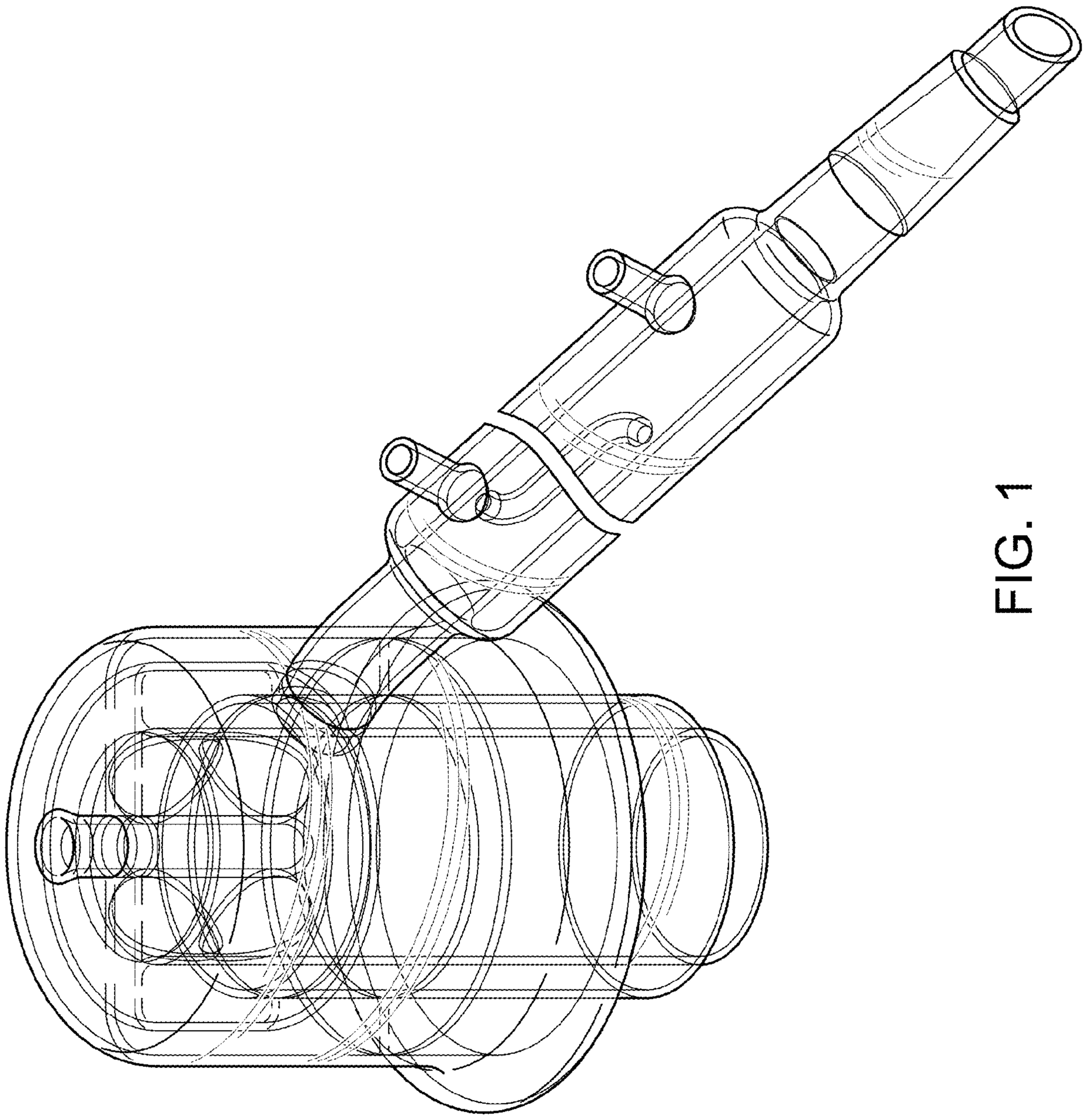


FIG. 1

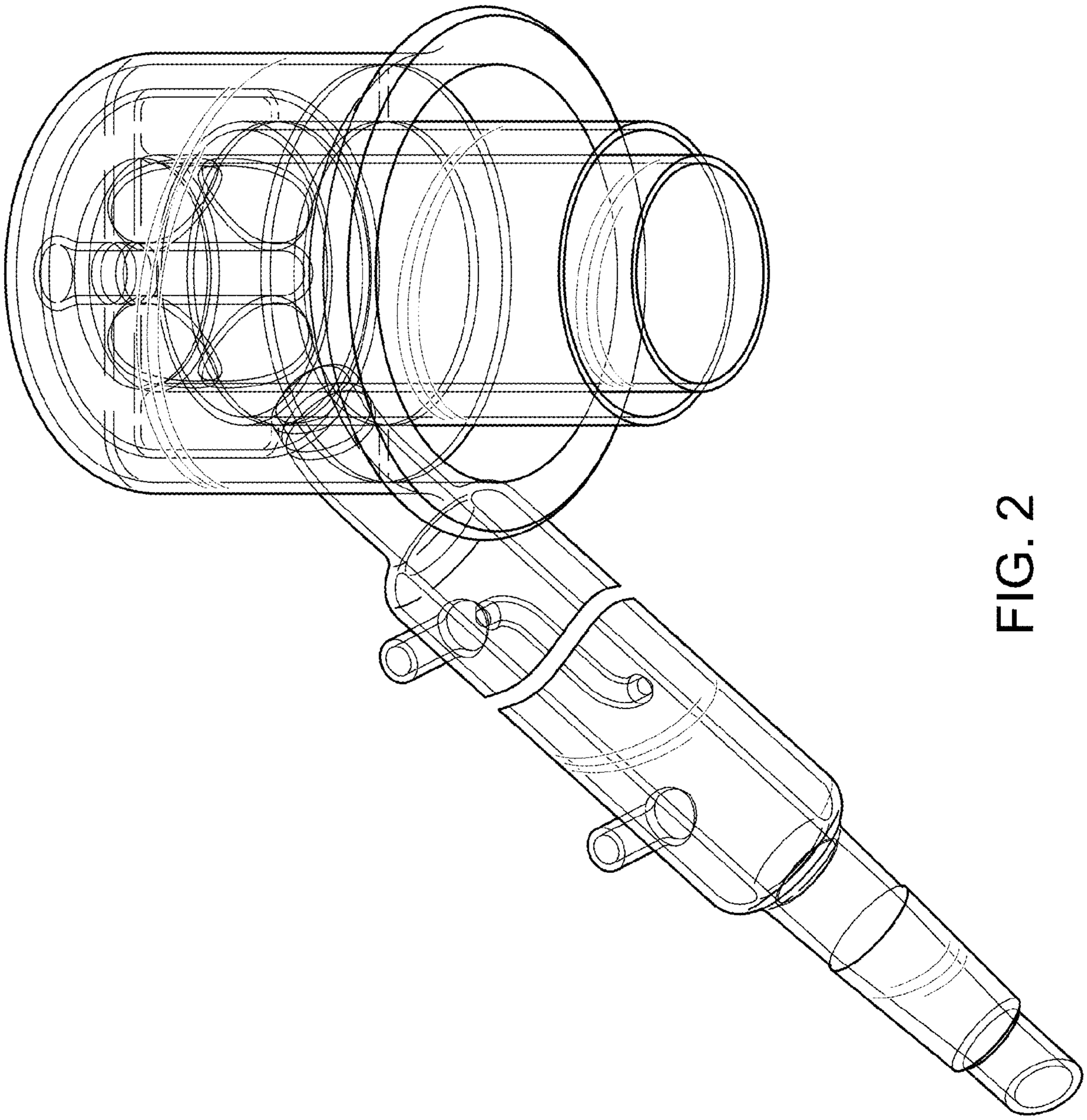


FIG. 2

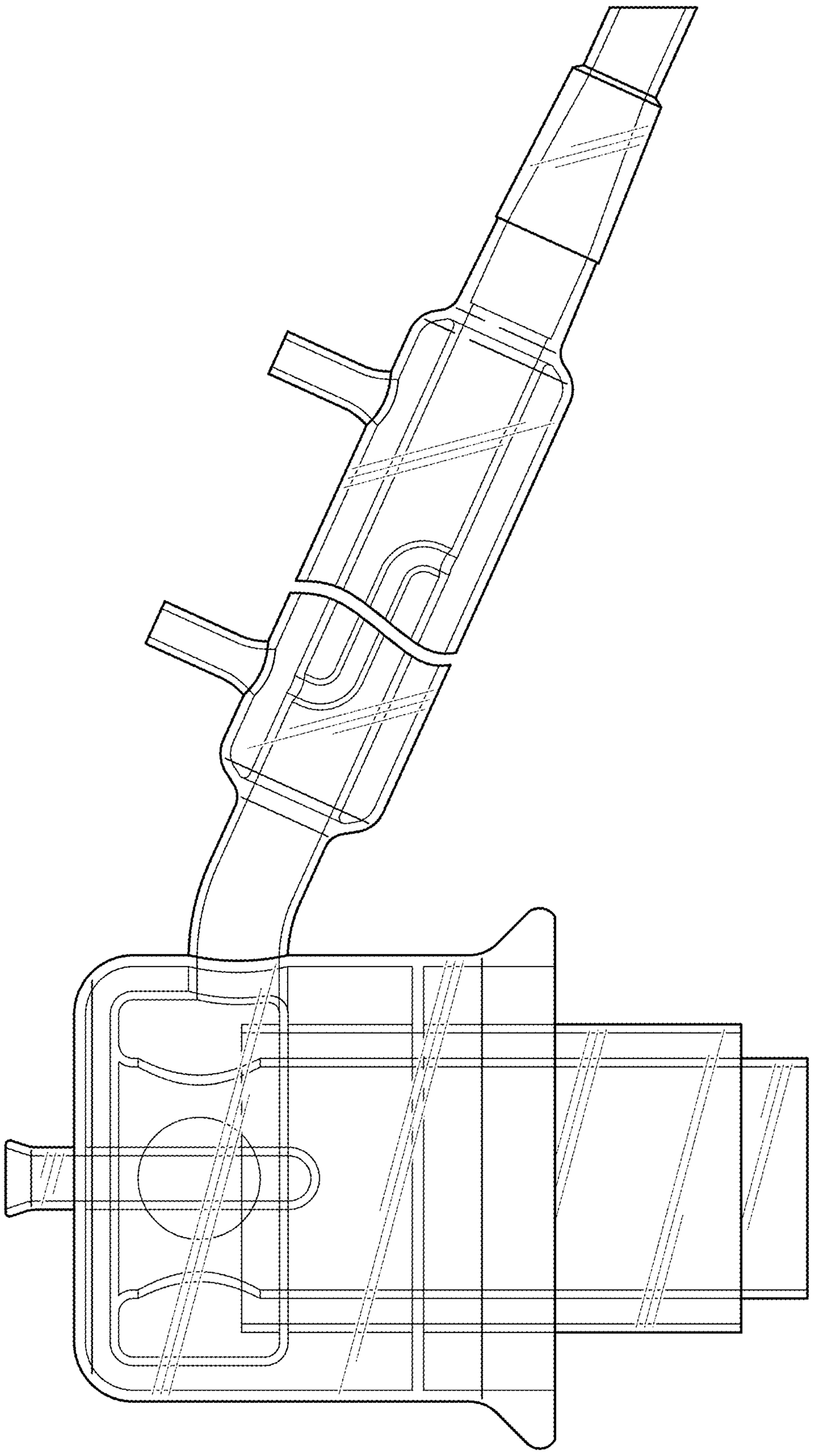


FIG. 3

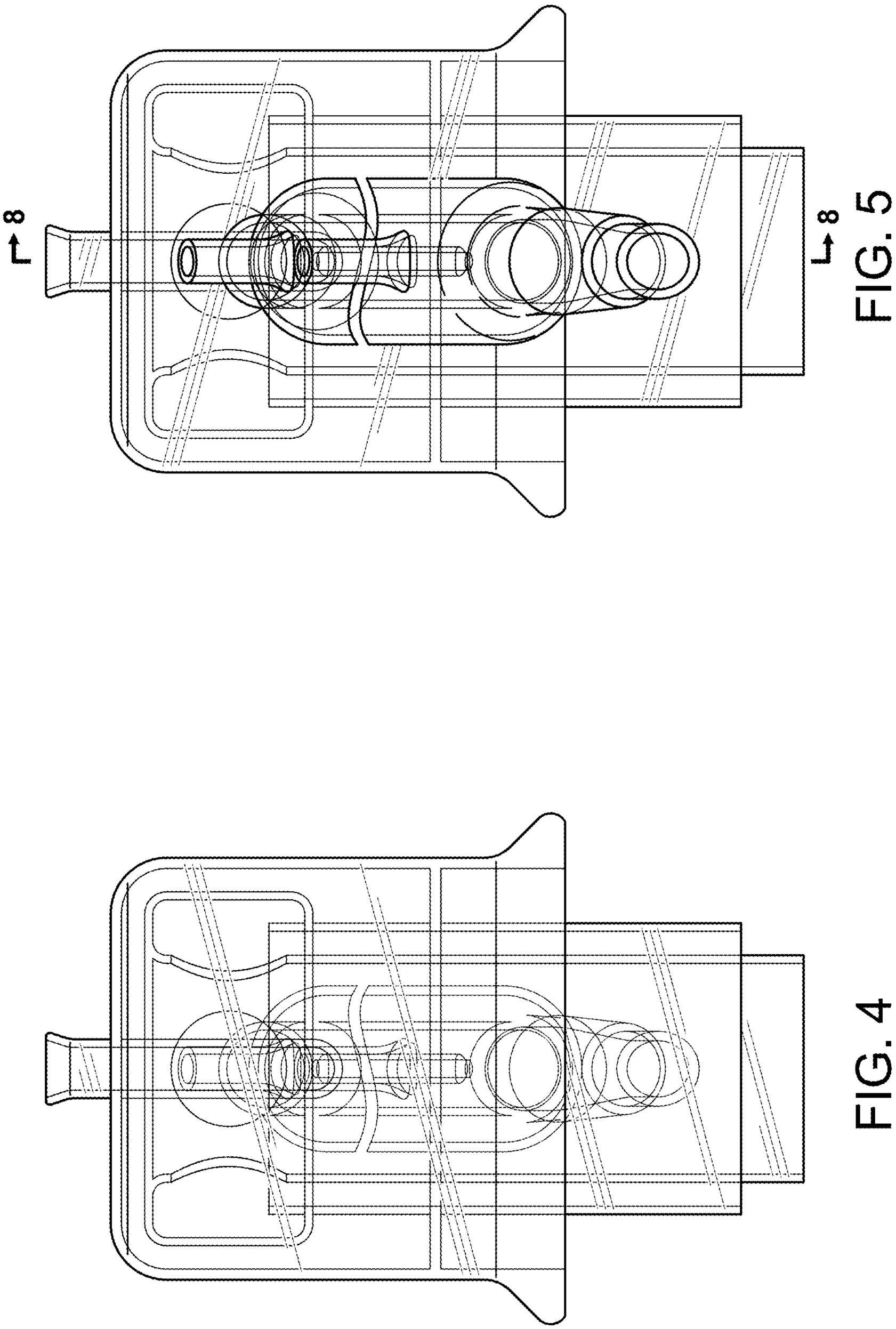


FIG. 5

FIG. 4

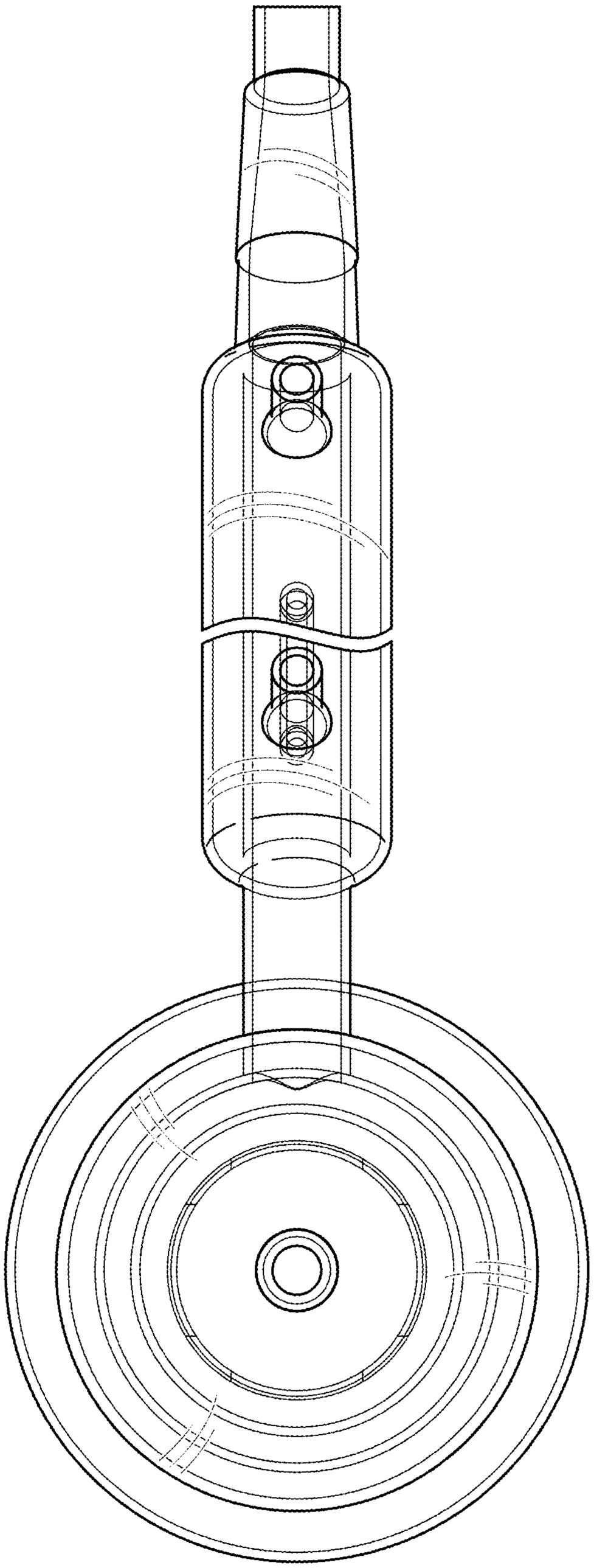


FIG. 6

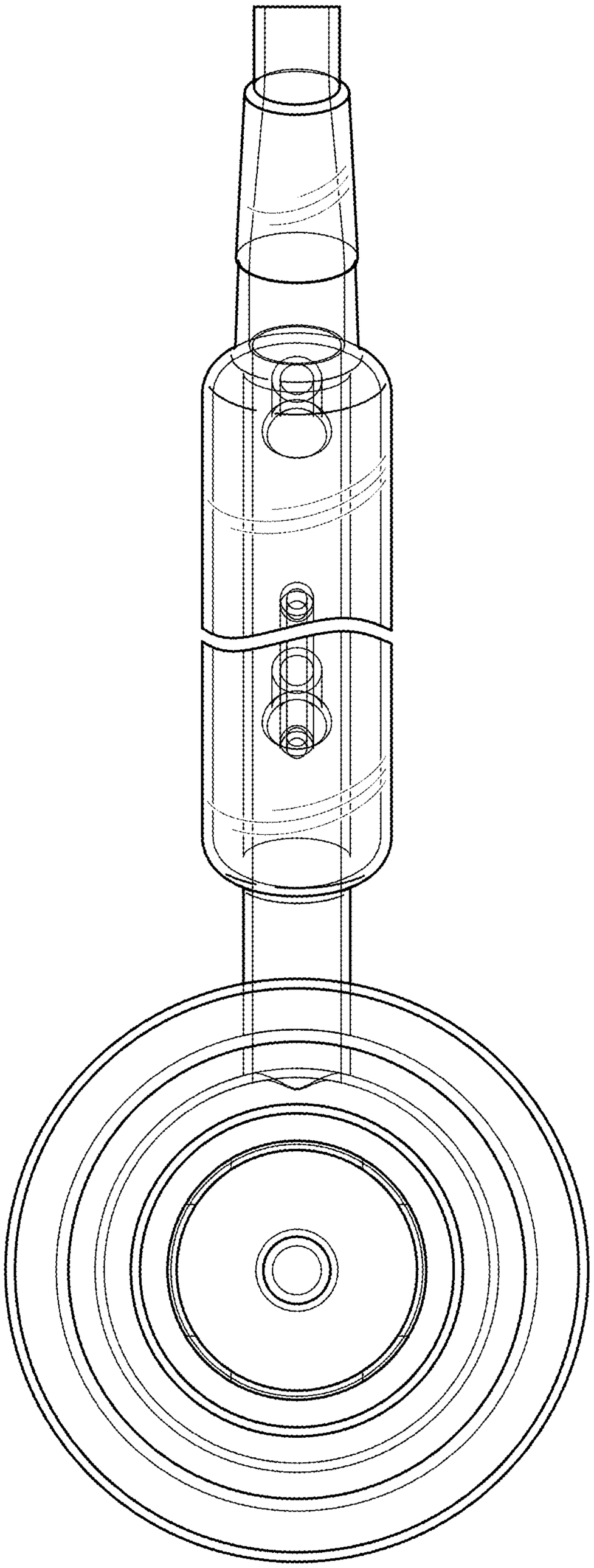


FIG. 7

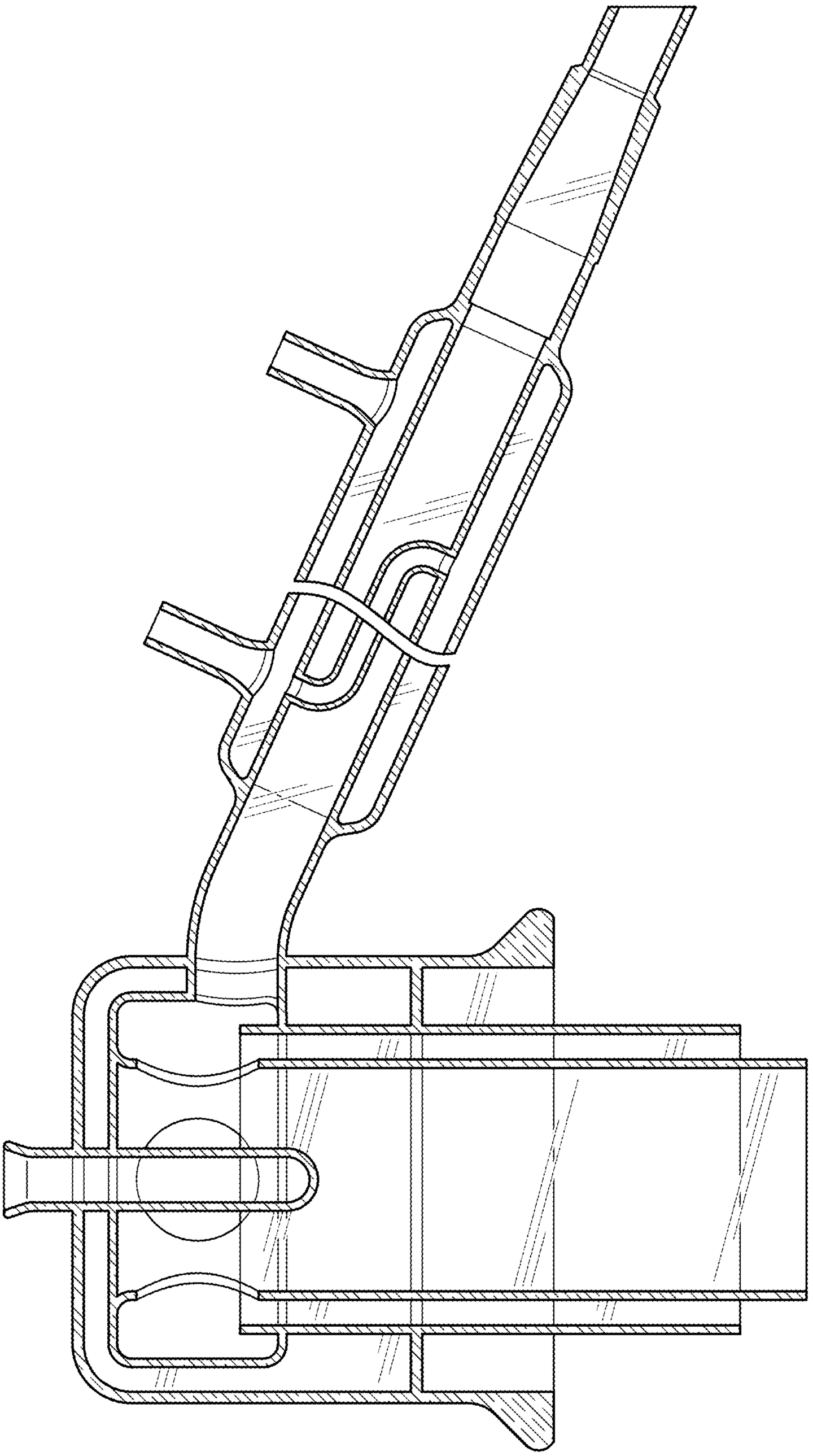


FIG. 8