



US00D892311S

(12) **United States Design Patent** (10) **Patent No.:** **US D892,311 S**
Nicholas et al. (45) **Date of Patent:** **** Aug. 4, 2020**

(54) **INJECTION DEVICE**

(56) **References Cited**

(71) Applicant: **Sanofi-Aventis Deutschland GMBH**,
Frankfurt am Main (DE)

U.S. PATENT DOCUMENTS

(72) Inventors: **Courtney Nicholas**, East Greenbush,
NY (US); **Scott Barton**, East
Greenbush, NY (US); **Alex Zuyev**,
Frankfurt am Main (DE); **Alexei**
Goraltchouk, East Greenbush, NY
(US); **Bart Burgess**, East Greenbush,
NY (US)

4,046,145 A	9/1977	Choksi et al.
4,840,185 A	6/1989	Hernandez
4,900,309 A	2/1990	Netherton et al.
4,986,817 A	1/1991	Code
5,147,328 A	9/1992	Dragosits et al.
(Continued)		

FOREIGN PATENT DOCUMENTS

EP	2716318	4/2014
FR	3043562	5/2017

(Continued)

(73) Assignee: **Sanofi-Aventis Deutschland GMBH**,
Frankfurt am Main (DE)

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

OTHER PUBLICATIONS

SHL Medical Products Molly Auto Injectors (http://www.shl-group.com/Products_SHLMedical_AutoInjectors_Molly.html), last accessed Jul. 26, 2018.

(Continued)

(21) Appl. No.: **29/645,281**

(22) Filed: **Apr. 25, 2018**

(30) **Foreign Application Priority Data**

Oct. 25, 2017 (EM) 004420388

(51) **LOC (12) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/113**

(58) **Field of Classification Search**

USPC D24/112–114, 133, 186, 127–131;
606/181, 185; 604/264, 272, 115, 232,
604/187, 158, 164.08, 192, 263, 163, 181,
604/184, 198, 227; 600/101, 139, 143;
128/200.24, 207.14, 207.15;
D19/115–123, 177, 193
CPC A61M 5/3156; A61M 5/31591; A61M
5/3155; A61M 5/3157; A61M 5/24;
A61M 5/31501; A61M 5/31551; A61M
5/31585; A61M 2005/2407; A61M
2005/2492; A61M 2205/581; A61M
2205/582

See application file for complete search history.

Primary Examiner — Nathan M Johnston

(74) *Attorney, Agent, or Firm* — Fish & Richardson P.C.

(57) **CLAIM**

The ornamental design for an injection device, substantially as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of an injection device showing our new design;

FIG. 2 is a second perspective view thereof;

FIG. 3 is a front elevation view thereof;

FIG. 4 is a rear elevation view thereof;

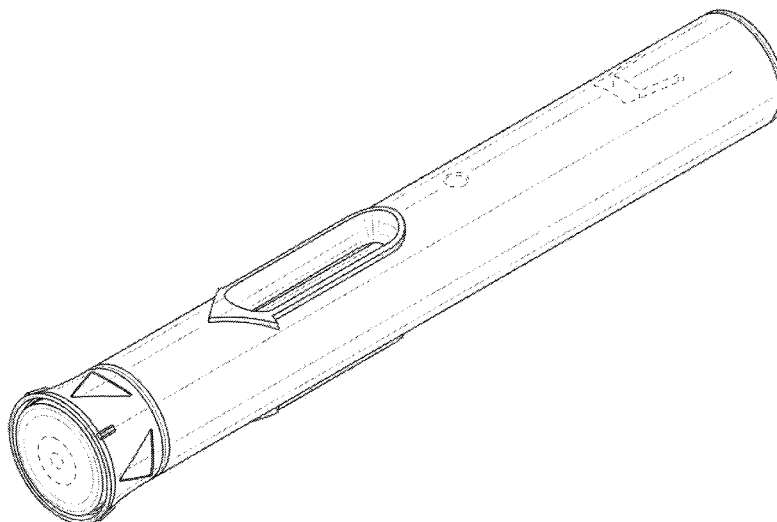
FIG. 5 is a side elevation view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom view thereof.

The broken lines show portions of the design that form no part of the claimed design.

1 Claim, 4 Drawing Sheets



Page 2

References Cited

D707,351	S	6/2014	Kunze	
D707,352	S	6/2014	Liu et al.	
D708,317	S *	7/2014	Schneider	D24/113
8,801,679	B2	9/2014	Iio et al.	
8,821,451	B2	9/2014	Daniel	
D714,932	S *	10/2014	Hall	D24/112
D715,422	S	10/2014	Hall et al.	
D716,442	S	10/2014	Magome et al.	
8,864,718	B2	10/2014	Karlsen et al.	
8,870,827	B2	10/2014	Young et al.	
D717,428	S	11/2014	Sendatzki et al.	
D717,940	S	11/2014	Magome et al.	
8,888,713	B2	11/2014	CrawforD et al.	
D728,782	S *	5/2015	Dubuc	D24/113
9,022,982	B2	5/2015	Karlsson et al.	
9,078,973	B2	7/2015	Harms et al.	
9,132,236	B2	9/2015	Karlsson et al.	
D740,937	S	10/2015	Schneider et al.	
9,199,038	B2	12/2015	Daniel	
9,216,251	B2	12/2015	Daniel	
9,220,841	B2	12/2015	Daniel	
9,220,847	B2	12/2015	Holmqvist et al.	
9,247,899	B2	2/2016	Shaw et al.	
D752,211	S	3/2016	Sanders et al.	
D755,369	S	5/2016	Sanders et al.	
D755,370	S	5/2016	Riess et al.	
D757,254	S	5/2016	Wohlfahrt et al.	
D757,255	S *	5/2016	Wohlfahrt	D24/113
D758,567	S *	6/2016	Wohlfahrt	D24/113
D758,568	S	6/2016	Wohlfahrt et al.	
D758,569	S *	6/2016	Wohlfahrt	D24/113
D764,657	S	8/2016	Bokelman et al.	
D770,038	S *	10/2016	Ahlgrim	D24/113
9,468,722	B2	10/2016	Olson	
D770,610	S *	11/2016	Saussaye	D24/113
D773,039	S	11/2016	Sanders et al.	
D773,648	S *	12/2016	Wohlfahrt	D24/113
9,566,380	B1	2/2017	Tcholakian	
D780,909	S *	3/2017	Burkett	D24/113
9,586,010	B2	3/2017	Mesa et al.	
9,604,004	B2	3/2017	Jakobsen	
D793,547	S *	8/2017	Burkett	D24/112
D794,178	S *	8/2017	Daniel	A61M 5/2033
D810,282	S *	2/2018	Ratjen	D24/113
D814,022	S *	3/2018	Boyaval	D24/113
D819,198	S *	5/2018	Boyaval	D24/113
D819,200	S *	5/2018	Stonecipher	D24/114
D822,198	S *	7/2018	Stonecipher	D24/113
D827,127	S *	8/2018	Donnelly	D24/113
04/0116875	A1	6/2004	Fischer et al.	
07/0039156	A1	2/2007	Reich	
07/0113861	A1	5/2007	Knudsen et al.	
08/0009808	A1	1/2008	Berler	
08/0269692	A1	10/2008	James et al.	
08/0289984	A1	11/2008	Raven et al.	
3/0030375	A1	1/2013	Daily et al.	
3/0041328	A1	2/2013	Daniel	
3/0041347	A1	2/2013	Daniel	
3/0281934	A1	10/2013	Wilmot et al.	
4/0330216	A1 *	11/2014	Weaver	A61M 5/31513 604/198
4/0358037	A1	12/2014	CrawforD et al.	
4/0364812	A1 *	12/2014	Lumme	A61M 5/2033 604/198
5/0011944	A1	1/2015	Young et al.	
5/0045742	A1	2/2015	Cheung	
5/0051580	A1	2/2015	Shain et al.	
5/0065960	A1	3/2015	Osman	
5/0073383	A1	3/2015	Wilmot et al.	
5/0080807	A1	3/2015	Schneider et al.	
5/0352278	A1	12/2015	Morita et al.	
5/0374918	A1	12/2015	Kumar et al.	
6/0051760	A1	2/2016	Krell et al.	
6/0051764	A1	2/2016	Dreier et al.	
6/0067407	A1	3/2016	Daniel	
6/0089498	A1	3/2016	Daniel	
6/0144132	A1 *	5/2016	Scanlon	A61M 5/3204 604/198

(56)

References Cited

U.S. PATENT DOCUMENTS

2016/0158460	A1	6/2016	Mesa et al.	
2016/0213845	A1	7/2016	Holmqvist	
2016/0263327	A1	9/2016	Radmer et al.	
2016/0279334	A1	9/2016	Daniel	
2016/0303327	A1 *	10/2016	Moren	A61M 5/2033
2016/0317745	A1	11/2016	Kjeldsen et al.	
2016/0375196	A1	12/2016	Wilmot et al.	
2018/0104414	A1 *	4/2018	Karlsson	A61M 5/2033
2018/0154078	A1 *	6/2018	Mosebach	A61M 5/2033
2018/0311442	A1	11/2018	Saussaye et al.	
2018/0353692	A1	12/2018	Saussaye et al.	
2018/0361082	A1 *	12/2018	Sall	A61M 5/5086

FOREIGN PATENT DOCUMENTS

WO	WO 2015/026737	2/2015
WO	WO 2019/006296	1/2019

OTHER PUBLICATIONS

International Search Report and Written Opinion issued in Application No. PCT/US2018/040282, dated Nov. 13, 2018, 9 pages.

* cited by examiner

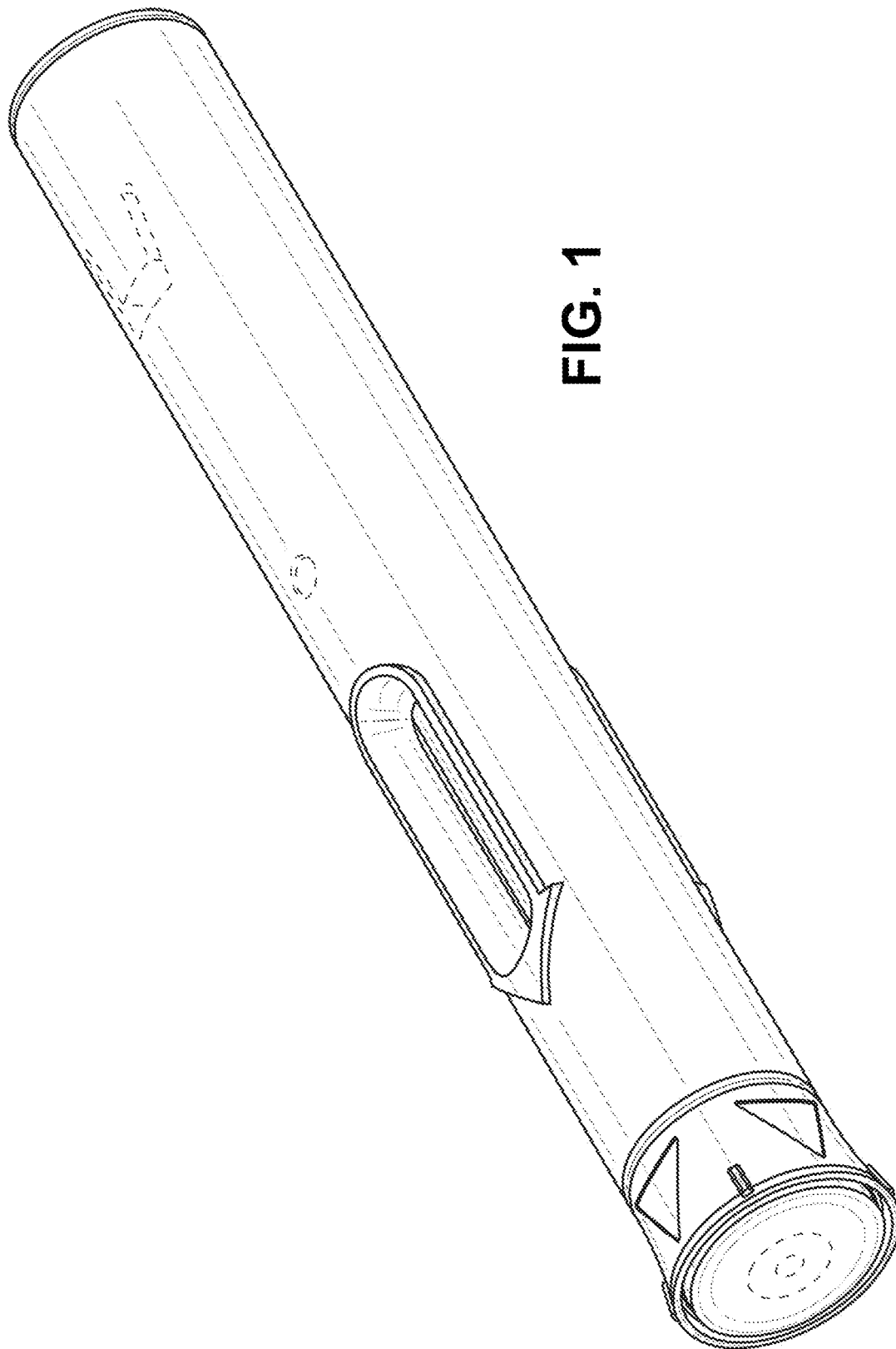


FIG. 1

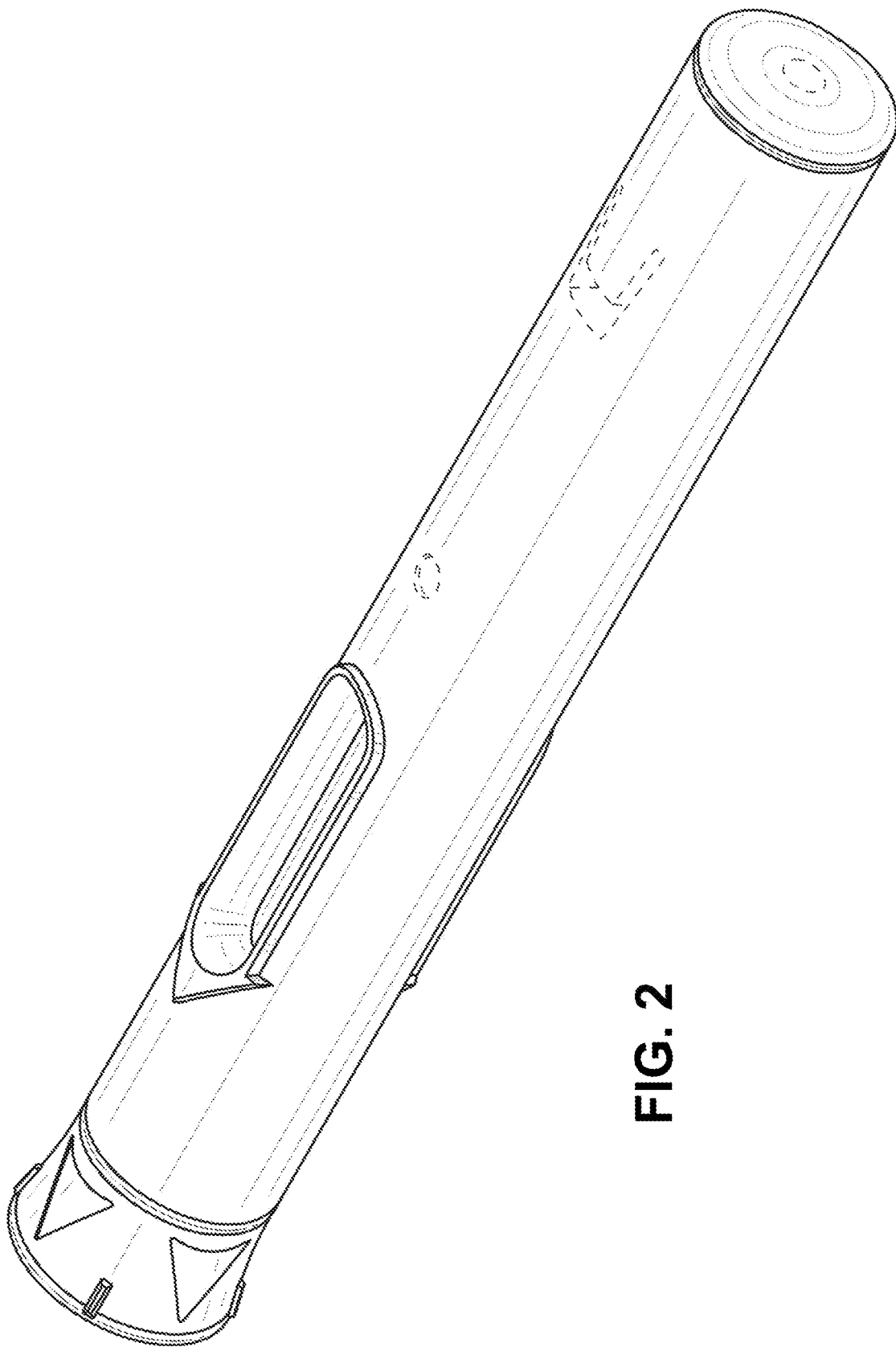


FIG. 2

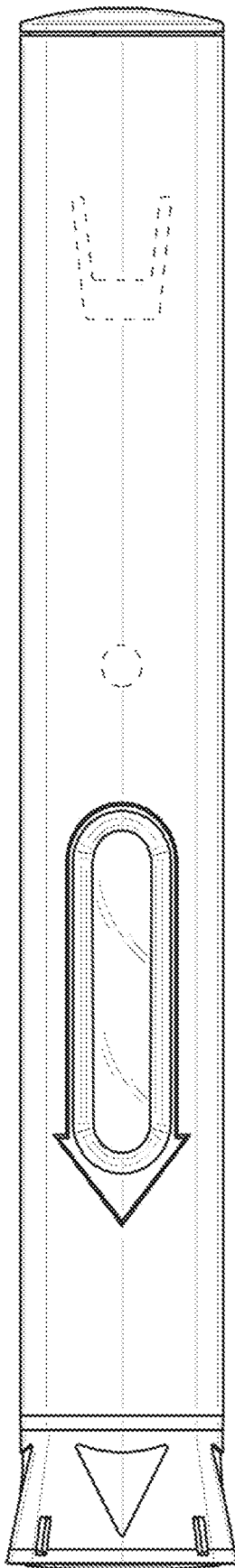


FIG. 3

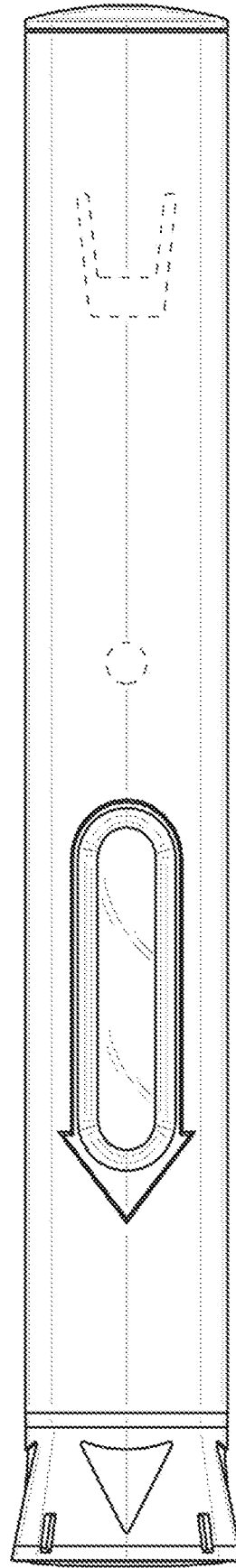


FIG. 4

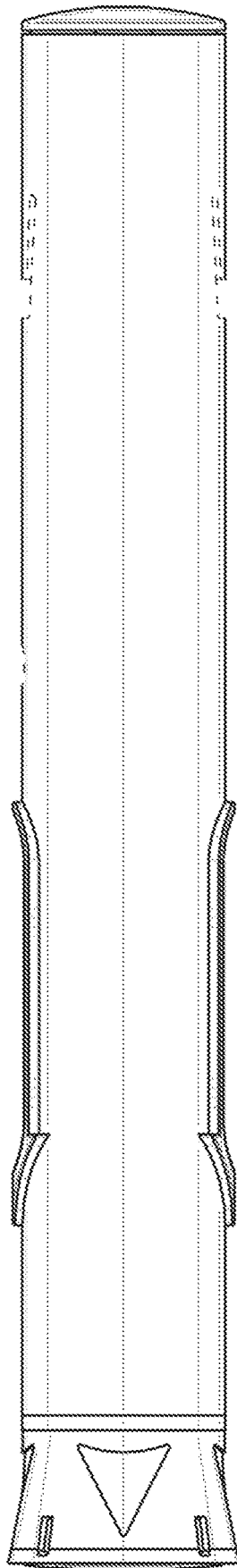


FIG. 5

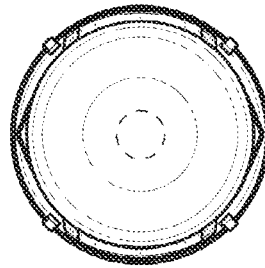


FIG. 6

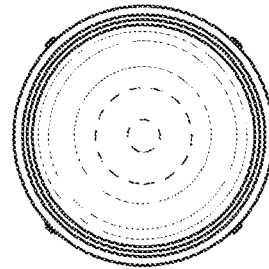


FIG. 7