US00D837396S

(12) United States Design Patent

Ackermann et al.

(10) Patent No.: US D837,396 S
(45) Date of Patent: ** Jan. 1, 2019

(54) **NASAL STIMULATOR PROBE**

(71) Applicant: **Oculeve, Inc.**, South San Francisco, CA (US)

(72) Inventors: **Douglas Michael Ackermann**, San Francisco, CA (US); **James Donald Loudin**, Houston, TX (US); **John Wardle**, San Clemente, CA (US); **John W. Lai**, San Bruno, CA (US); **Natalie Catherine Vanns**, Hildenborough (GB)

(73) Assignee: **Oculeve, Inc.**, South San Francisco, CA (US)

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

(21) Appl. No.: **29/562,792**

(22) Filed: **Apr. 28, 2016**

Related U.S. Application Data

(62) Division of application No. 29/488,488, filed on Apr. 18, 2014, now abandoned.

(51) **LOC (11) Cl.** **28-03**

(52) **U.S. Cl.**
USPC **D24/215**

(58) **Field of Classification Search**
USPC D24/200, 211, 212, 213, 214, 215; 601/114, 120, 121, 124, 125, 130, 131, 601/134, 135, 136, 137
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D197,889 S * 4/1964 Hass 482/11
3,885,550 A 5/1975 MacLeod
(Continued)

FOREIGN PATENT DOCUMENTS

EM 2102681-0001 10/2012
EM 2199000-0001 3/2013
(Continued)

OTHER PUBLICATIONS

Office Action received for Canadian Patent Application No. 159163, dated Feb. 6, 2015, 2 pages.
(Continued)

Primary Examiner — Sandra S Snapp
(74) *Attorney, Agent, or Firm* — Mintz Levin Cohn Ferris Glovsky and Popeo, P.C.

(57) **CLAIM**

The ornamental design for a nasal stimulator probe, as shown and described.

DESCRIPTION

FIG. **1** is a front perspective view of a first embodiment of a nasal stimulator probe showing the new design;
FIG. **2** is a front elevation view thereof;
FIG. **3** is a rear elevation view thereof;
FIG. **4** is a right side elevation view thereof;
FIG. **5** is a left side elevation view thereof;
FIG. **6** is a top plan view thereof; and
FIG. **7** is a bottom plan view thereof.
FIG. **8** is a front perspective view of a second embodiment of a nasal stimulator probe showing the new design;
FIG. **9** is a front elevation view thereof;
FIG. **10** is a rear elevation view thereof;
FIG. **11** is a right side elevation view thereof;
FIG. **12** is a left side elevation view thereof;
FIG. **13** is a top plan view thereof; and
FIG. **14** is a bottom plan view thereof.
FIG. **15** is a front perspective view of a third embodiment of a-nasal stimulator probe showing the new design;
FIG. **16** is a front elevation view thereof;
FIG. **17** is a rear elevation view thereof;
FIG. **18** is a right side elevation view thereof;
FIG. **19** is a left side elevation view thereof;
FIG. **20** is a top plan view thereof; and
FIG. **21** is a bottom plan view thereof.
FIG. **22** is a front perspective view of a fourth embodiment of a nasal stimulator probe showing the new design;
FIG. **23** is a front elevation view thereof;
FIG. **24** is a rear elevation view thereof;
(Continued)

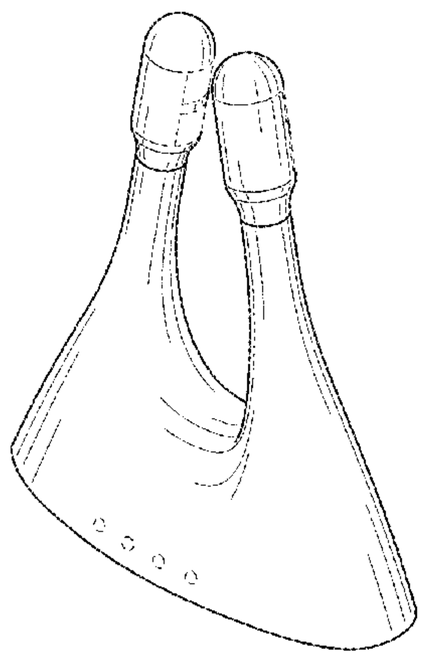

FIG. **25** is a right side elevation view thereof;
FIG. **26** is a left side elevation view thereof;
FIG. **27** is a top plan view thereof; and,
FIG. **28** is a bottom plan view thereof.
The broken lines illustrate features of the nasal stimulator probe that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(58) **Field of Classification Search**
CPC A61H 19/30; A61H 19/32; A61H 19/34; A61H 19/40; A61H 19/44; A61H 19/50; A61H 19/00; A61H 2201/0153; A61H 2201/0207; A61H 2201/0263; A61H 2201/0111; A61H 2201/1253; A61H 2205/082; A61H 2205/085; A61H 15/0085
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D257,495	S	11/1980	Bros et al.	
4,590,942	A	5/1986	Brenman et al.	
4,681,121	A	7/1987	Kobal	
4,684,362	A	8/1987	Holt	
5,099,829	A	3/1992	Wu	
5,533,470	A	7/1996	Rose	
5,577,983	A *	11/1996	Fraser	A63B 23/032 433/140
5,683,436	A	11/1997	Mendes et al.	
5,713,833	A	2/1998	Milligan	
6,604,528	B1	8/2003	Duncan	
D484,608	S *	12/2003	Tinsley	D24/214
6,684,879	B1	2/2004	Coffee et al.	
6,879,859	B1	4/2005	Boveja	
7,117,033	B2	10/2006	Shalev et al.	
7,228,184	B2	6/2007	Heath	
D556,336	S *	11/2007	Talbot	D24/215
7,650,186	B2	1/2010	Hastings et al.	
D616,557	S	5/2010	Roehrig	
7,805,200	B2	9/2010	Kast et al.	
7,873,421	B2	1/2011	Karell	
D631,972	S *	2/2011	Imboden	D24/215
8,080,047	B2	12/2011	Yu	
D657,066	S *	4/2012	Imboden	D24/215
8,251,983	B2	8/2012	Larson et al.	
D681,839	S	5/2013	Nathanson	
8,494,641	B2	7/2013	Boling et al.	
D692,571	S	10/2013	Luzon et al.	
D696,411	S	12/2013	Imboden et al.	
D696,412	S	12/2013	Imboden et al.	
D697,222	S	1/2014	Imboden et al.	
D699,366	S *	2/2014	Marshall	D24/215
D699,367	S	2/2014	Lee et al.	
8,676,324	B2	3/2014	Simon et al.	
8,728,136	B2	5/2014	Feldman	
D712,565	S	9/2014	Guang	
8,821,421	B2 *	9/2014	Imboden	A61H 19/30 601/134
8,936,594	B2	1/2015	Wolf et al.	
8,986,301	B2	3/2015	Wolf et al.	
8,996,137	B2	3/2015	Ackermann et al.	
D739,546	S *	9/2015	Cheung	D24/215
9,717,643	B2 *	8/2017	Guang	A61H 19/34
2002/0188331	A1	12/2002	Fang et al.	
2004/0098036	A1	5/2004	Bergersen	
2004/0220644	A1	11/2004	Shalev et al.	
2006/0095108	A1	5/2006	Chowdhury et al.	
2006/0107958	A1	5/2006	Sleeper	
2006/0271024	A1	11/2006	Gertner et al.	
2007/0150034	A1	6/2007	Rooney et al.	
2007/0219600	A1	9/2007	Gertner et al.	
2007/0248930	A1	10/2007	Brawn	
2008/0009897	A1	1/2008	Duran Von Arx	
2008/0033512	A1	2/2008	Yu	
2008/0109054	A1	5/2008	Hastings et al.	
2009/0012573	A1	1/2009	Karell	
2009/0018582	A1	1/2009	Ishikawa et al.	
2009/0101139	A1	4/2009	Karell	
2009/0281596	A1	11/2009	King et al.	
2010/0179457	A1 *	7/2010	Blaine	A61H 23/0263 601/46
2010/0249763	A1	9/2010	Larson et al.	
2010/0288275	A1	11/2010	Djupesland et al.	
2010/0318159	A1	12/2010	Aghassian et al.	
2011/0021975	A1	1/2011	Covello	
2011/0077551	A1	3/2011	Videbaek	
2011/0202121	A1	8/2011	Wen	
2011/0276107	A1	11/2011	Simon et al.	
2011/0282251	A1	11/2011	Baker et al.	
2012/0130398	A1	5/2012	Ackermann et al.	
2012/0197338	A1	8/2012	Su et al.	
2012/0232615	A1	9/2012	Barolat et al.	
2012/0232618	A1	9/2012	Feldman	
2012/0234332	A1	9/2012	Shantha	
2012/0316557	A1	12/2012	Sartor et al.	
2012/0323227	A1	12/2012	Wolf et al.	
2012/0323232	A1	12/2012	Wolf et al.	
2013/0006326	A1	1/2013	Ackermann et al.	
2013/0138451	A1	5/2013	Shiono et al.	
2013/0253387	A1	9/2013	Bonutti et al.	
2014/0081353	A1	3/2014	Cook et al.	
2014/0088463	A1	3/2014	Wolf et al.	
2014/0316396	A1	10/2014	Wolf et al.	

FOREIGN PATENT DOCUMENTS

GB	2 129 690	B	3/1987
WO	WO-2005/030025	A2	4/2005
WO	WO-2005/030025	A3	4/2005
WO	2011/011373	A1	1/2011
WO	2013/165697	A1	11/2013

OTHER PUBLICATIONS

Office Action received for Mexican Patent Application No. MXF2014003178, dated Sep. 22, 2015, 6 pages. (3 pages of English Translation and 3 pages of Official copy), 78347.
Notice of Allowance received for U.S. Appl. No. 29/488,488, dated Jan. 29, 2016, 10 pages.

* cited by examiner

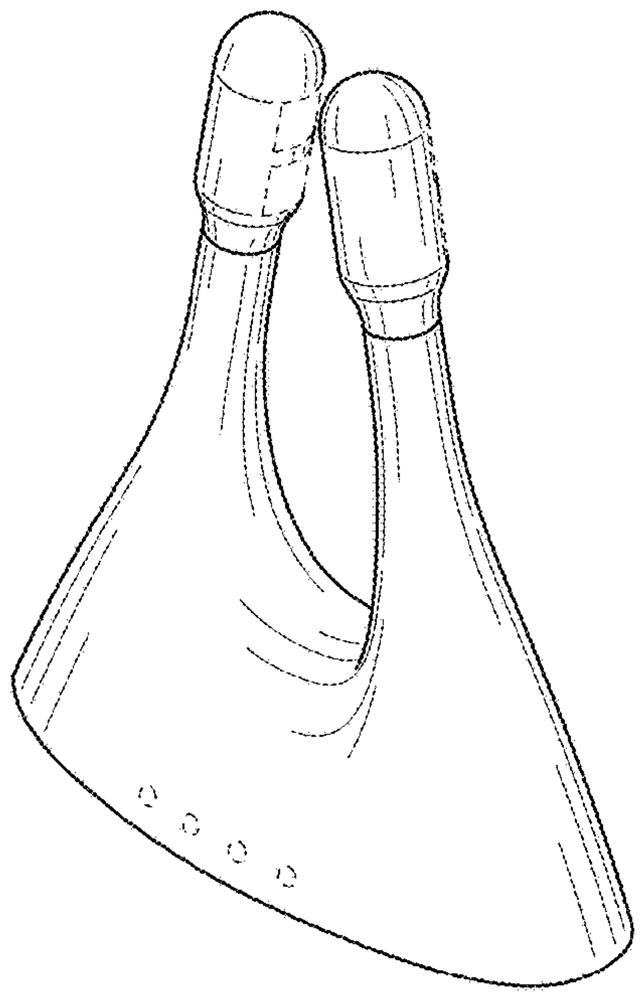

FIG. 1

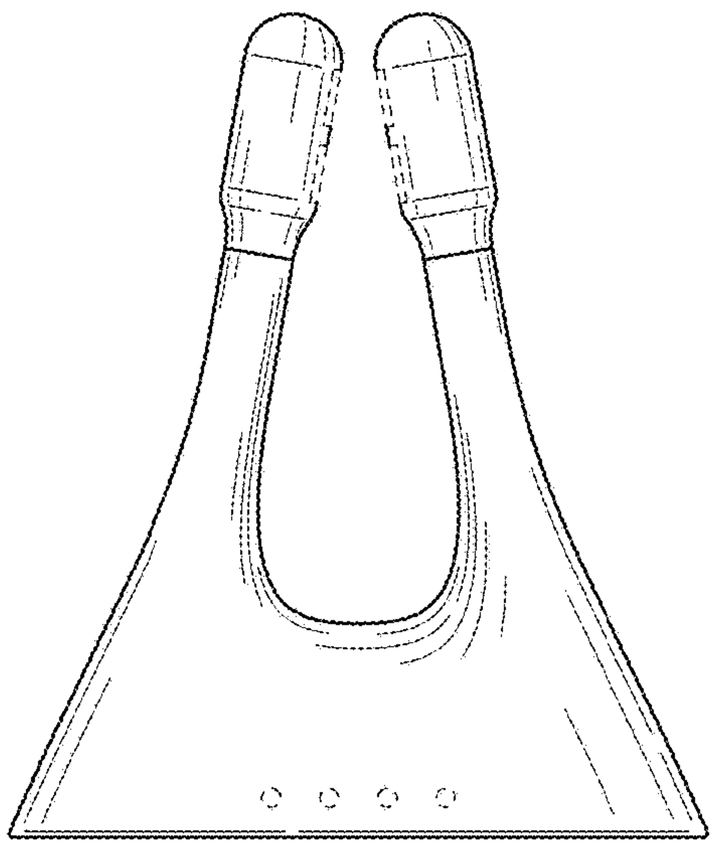

FIG. 2

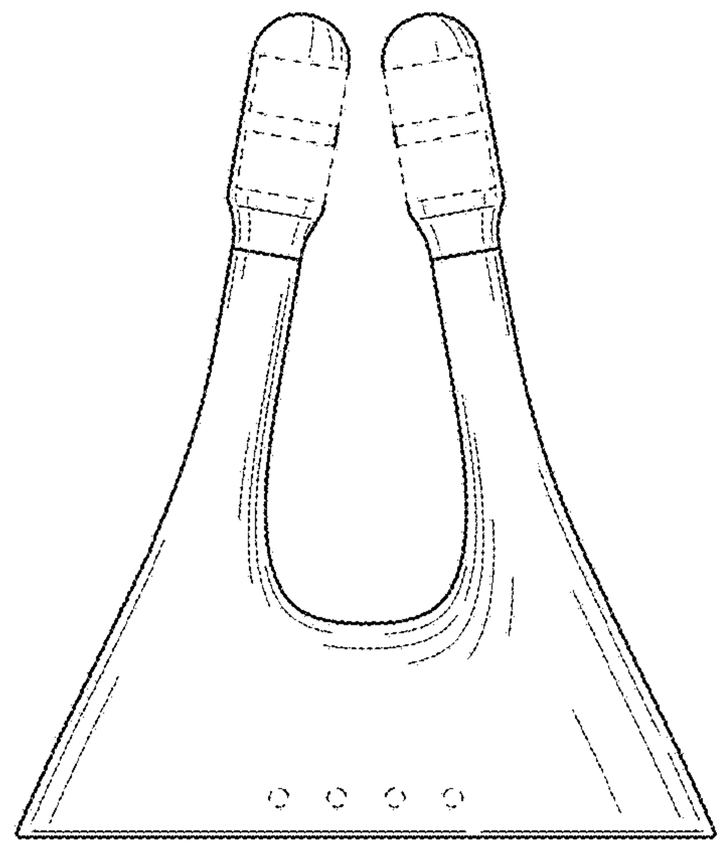

FIG. 3

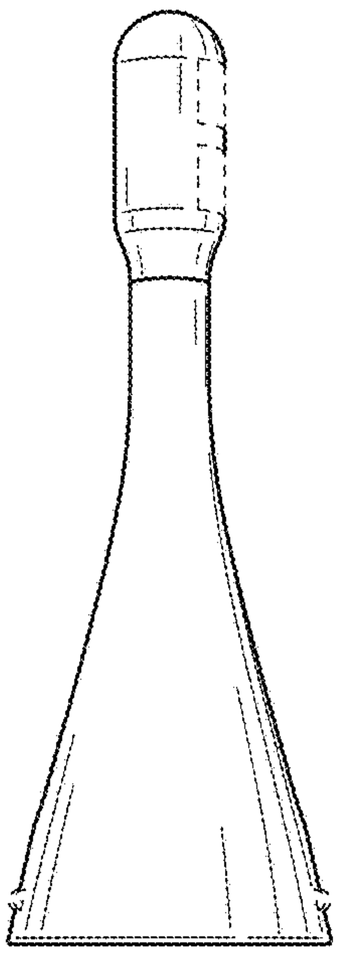

FIG. 4

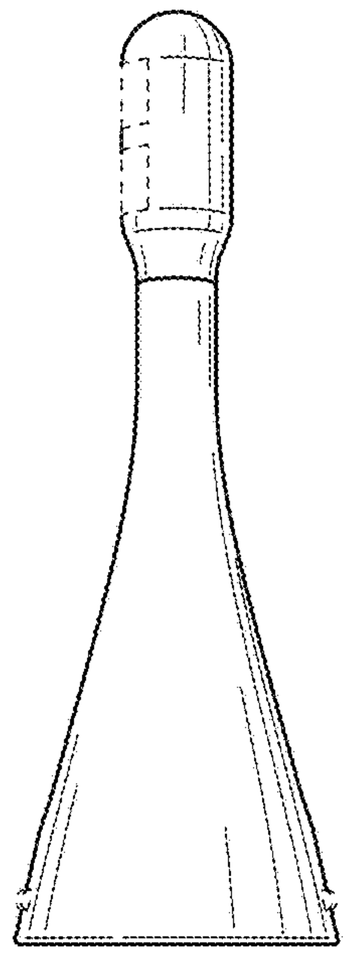

FIG. 5

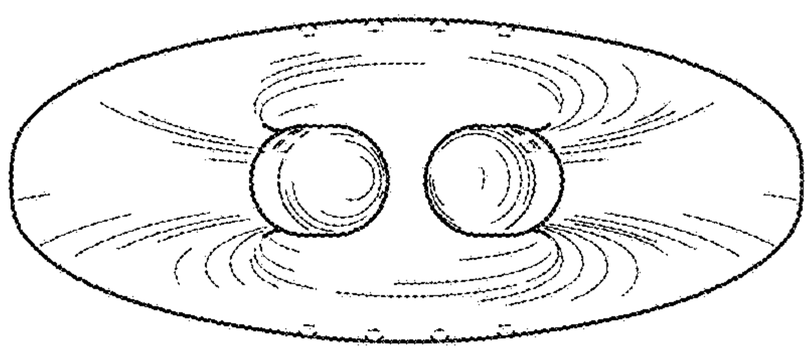

FIG. 6

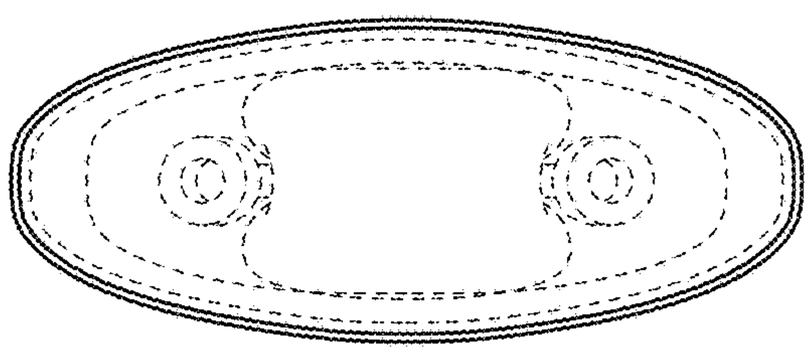

FIG. 7

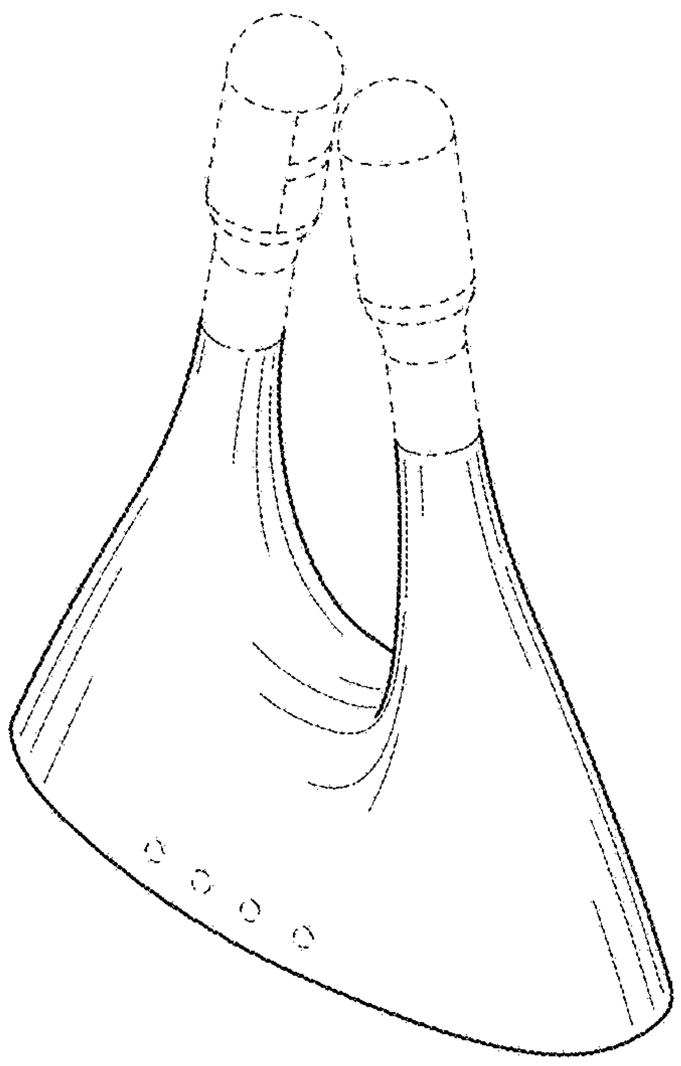

FIG. 8

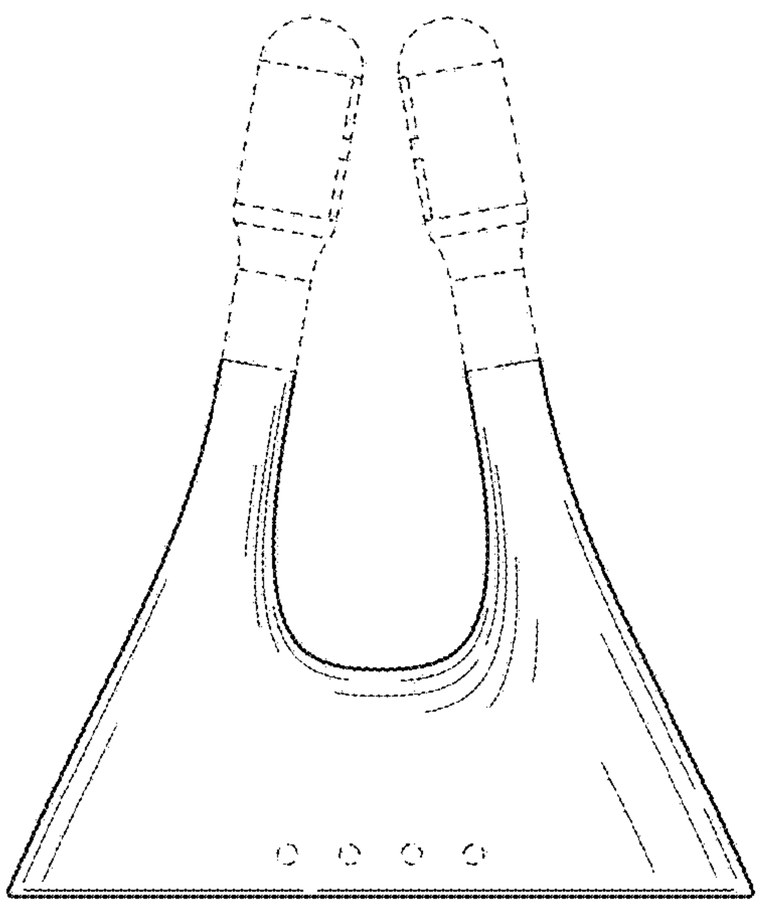

FIG. 9

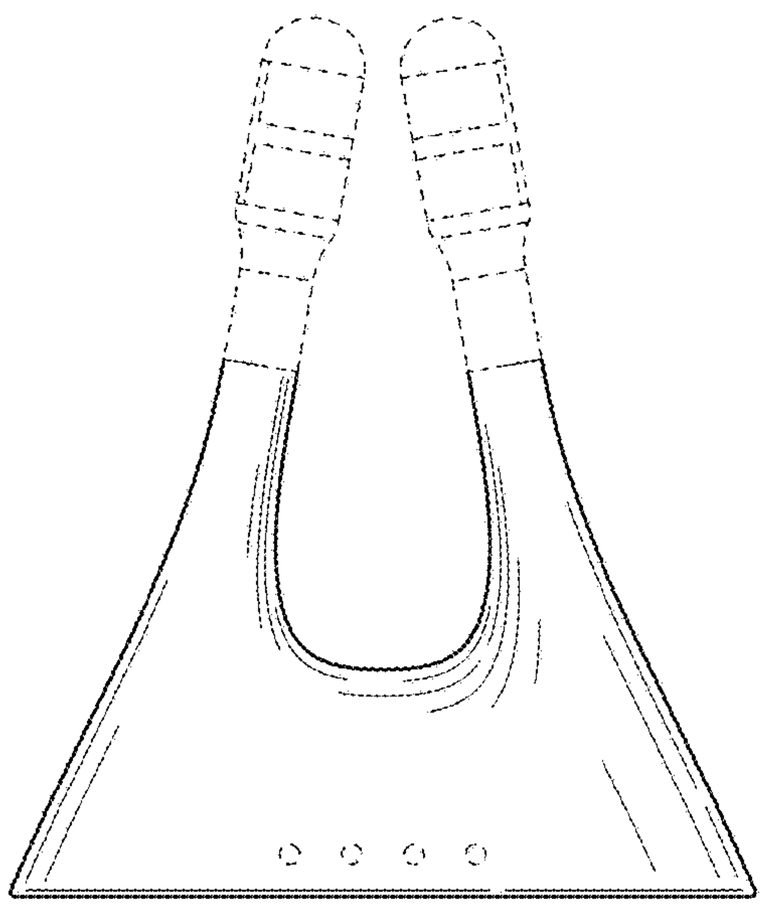

FIG. 10

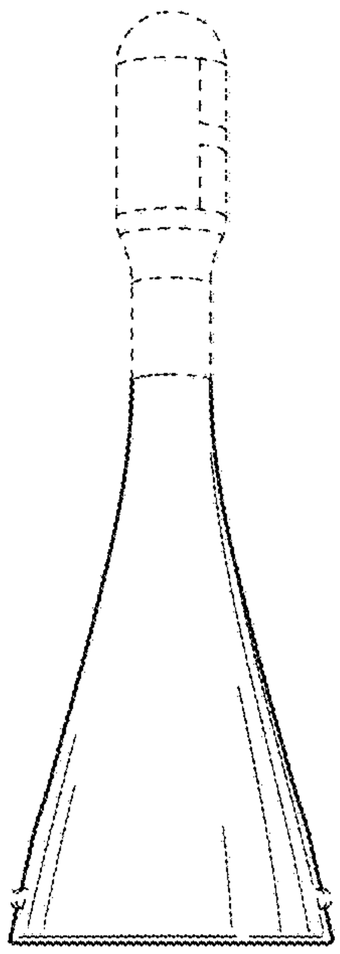

FIG. 11

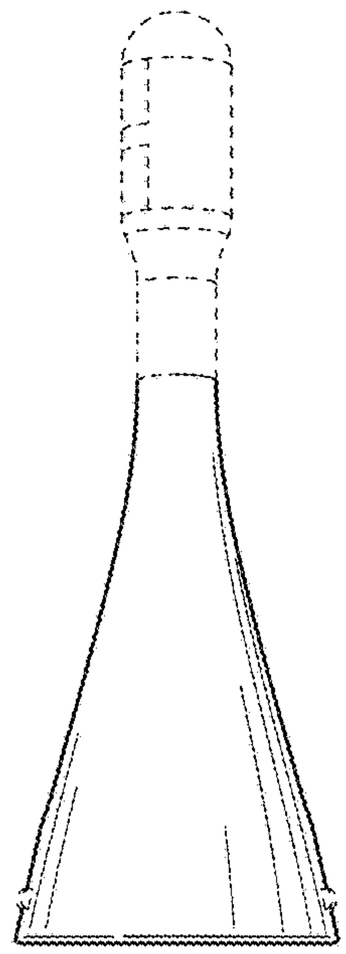

FIG. 12

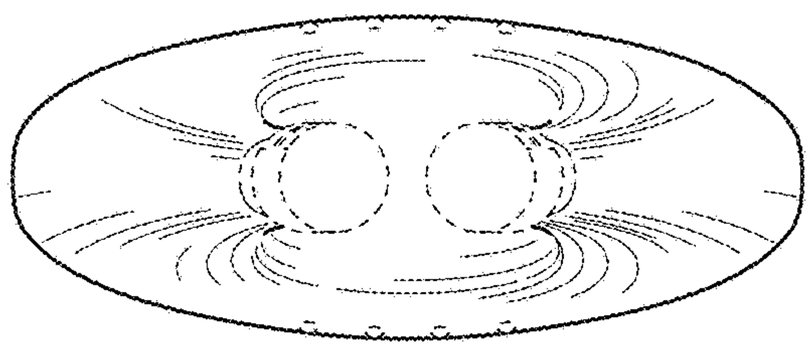

FIG. 13

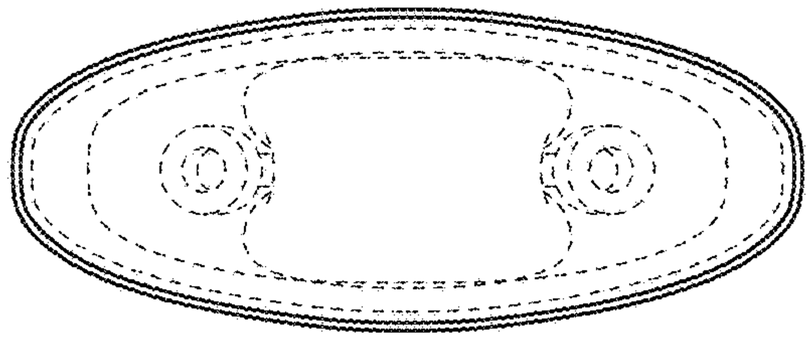

FIG. 14

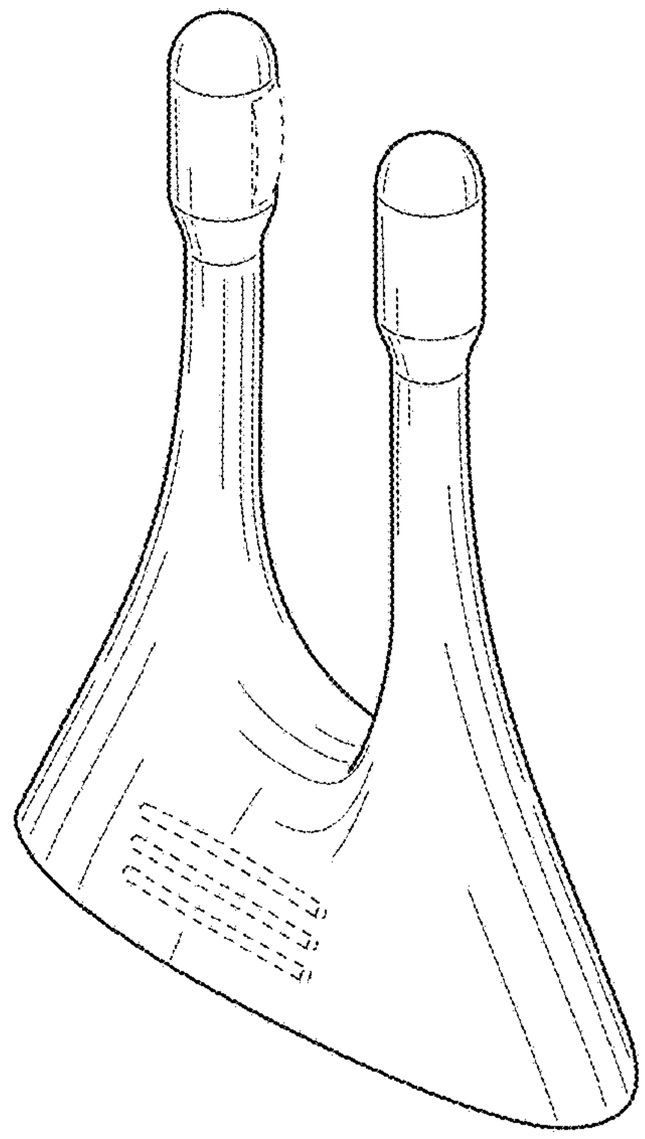

FIG. 15

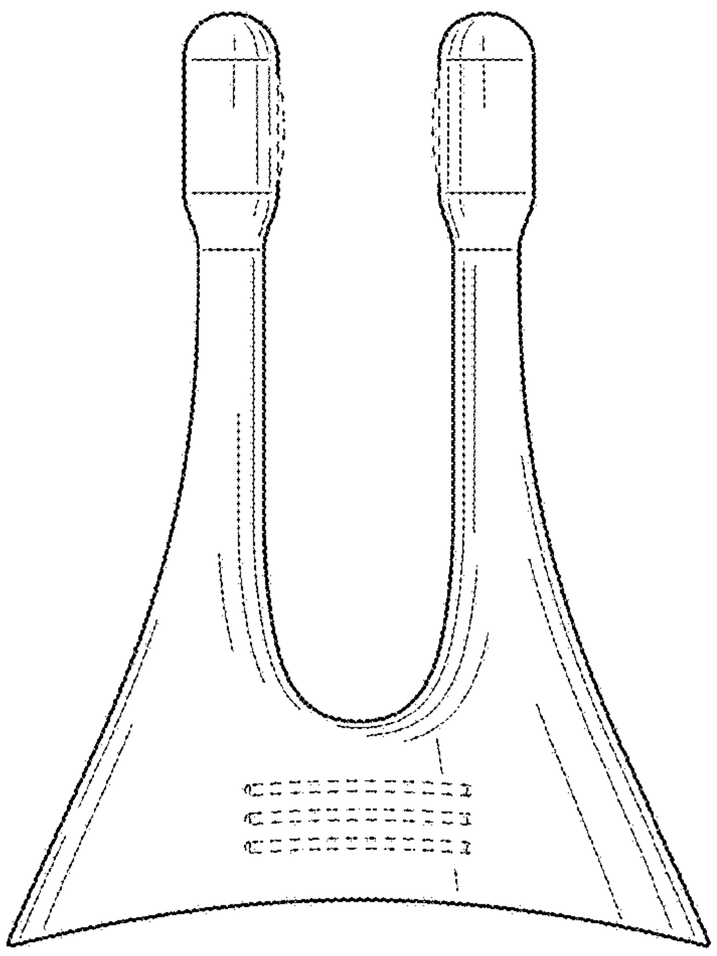

FIG. 16

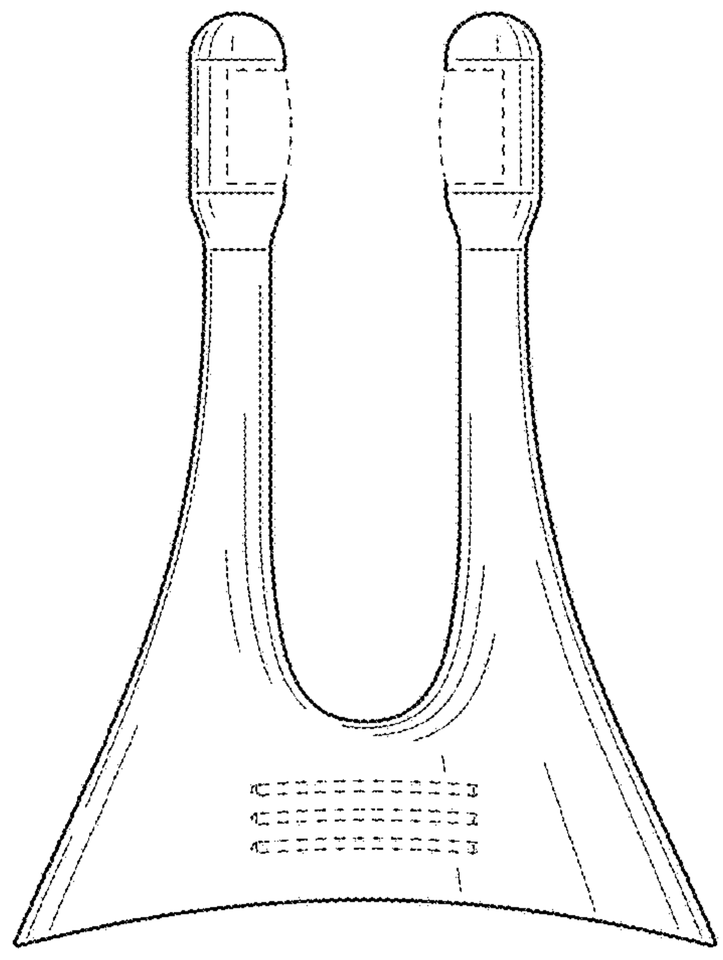

FIG. 17

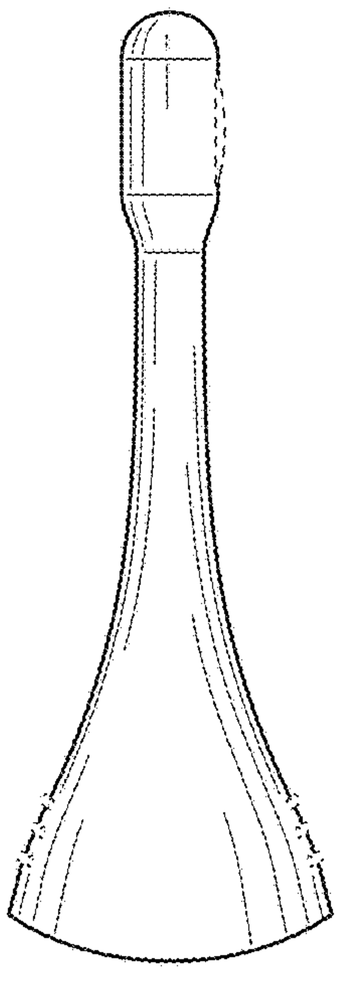

FIG. 18

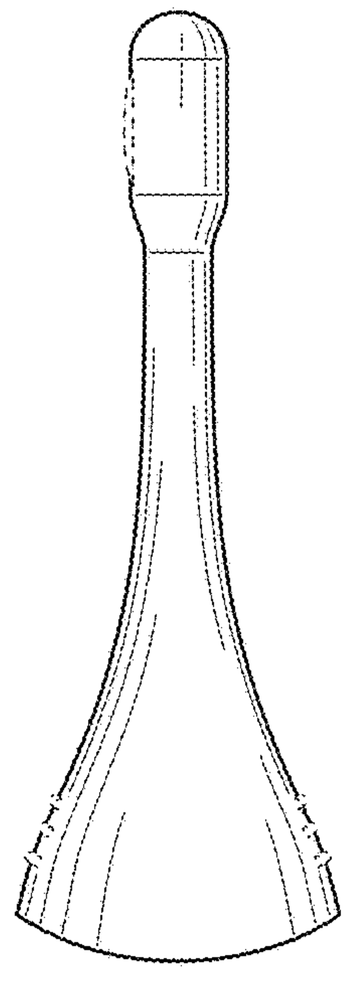

FIG. 19

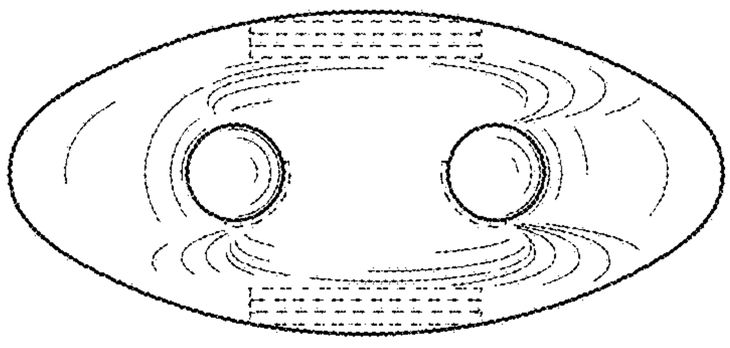

FIG. 20

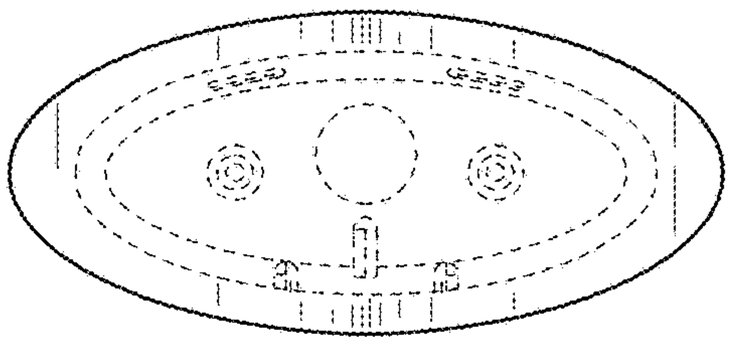

FIG. 21

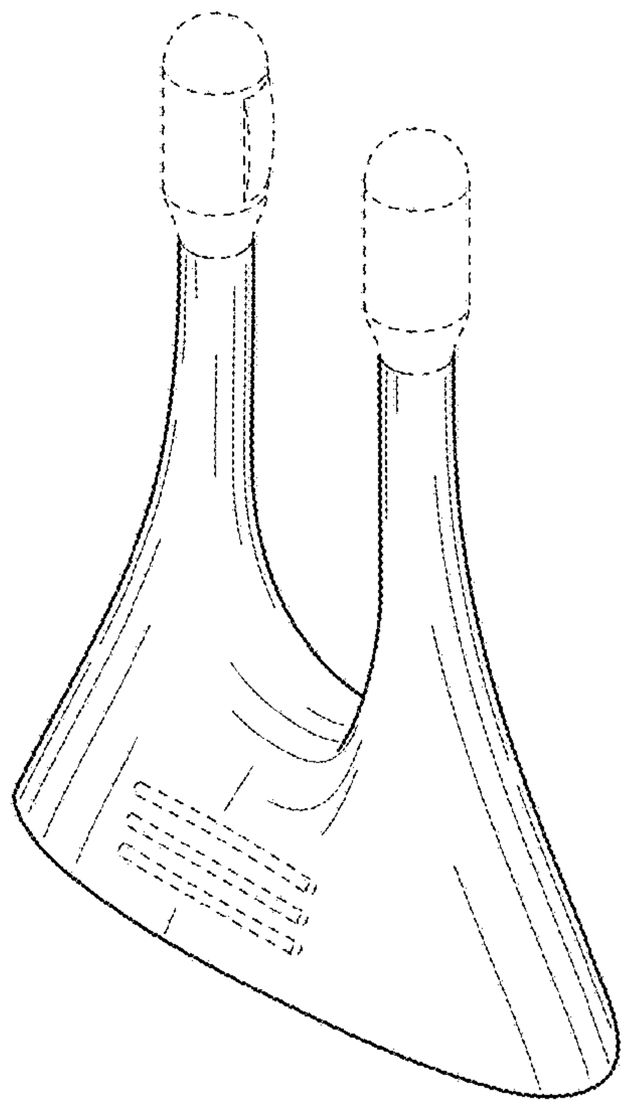

FIG. 22

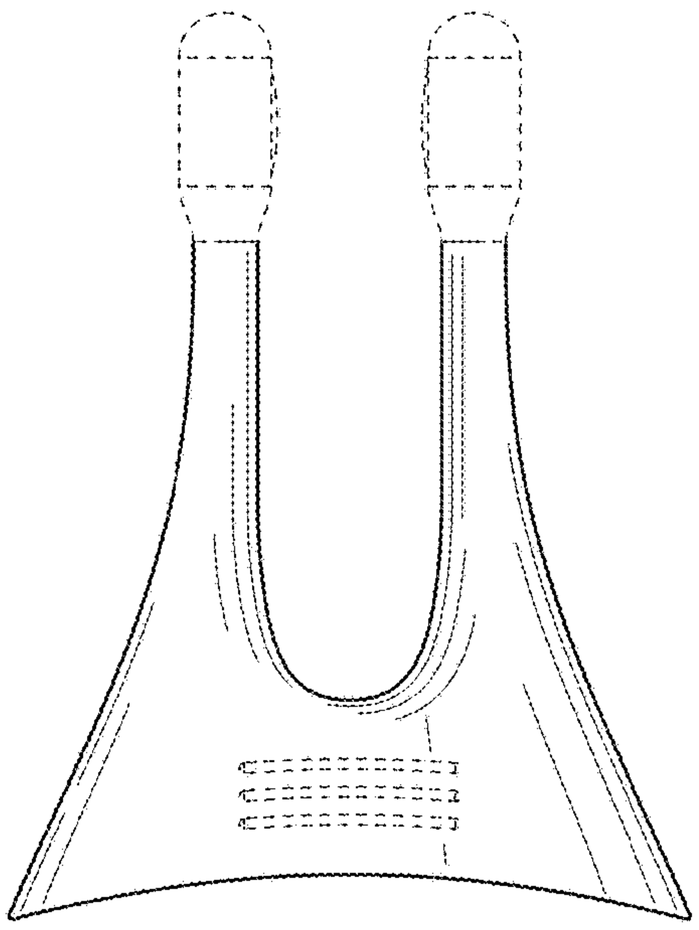

FIG. 23

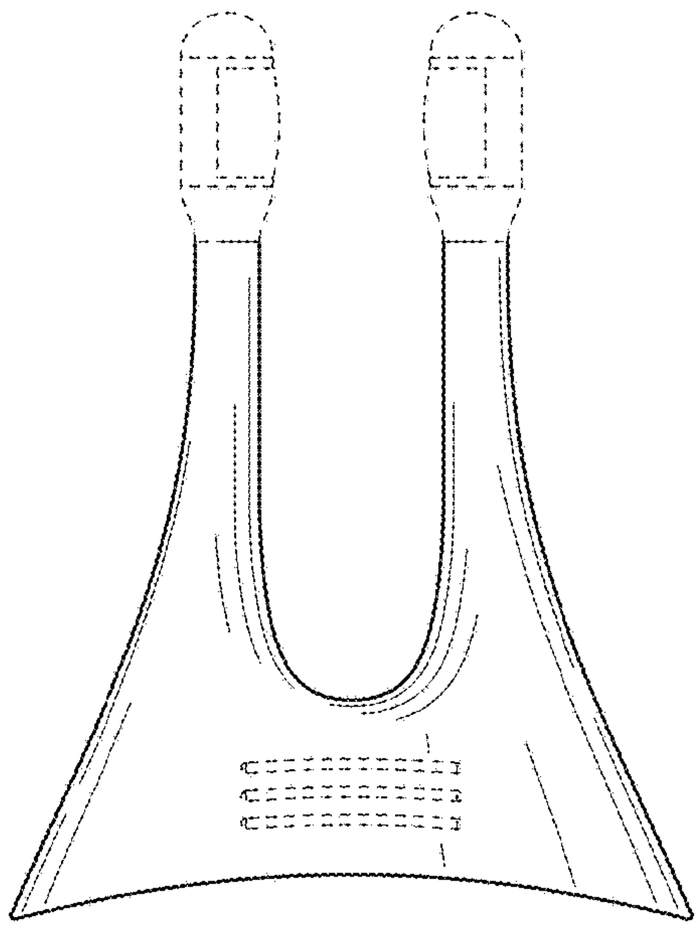

FIG. 24

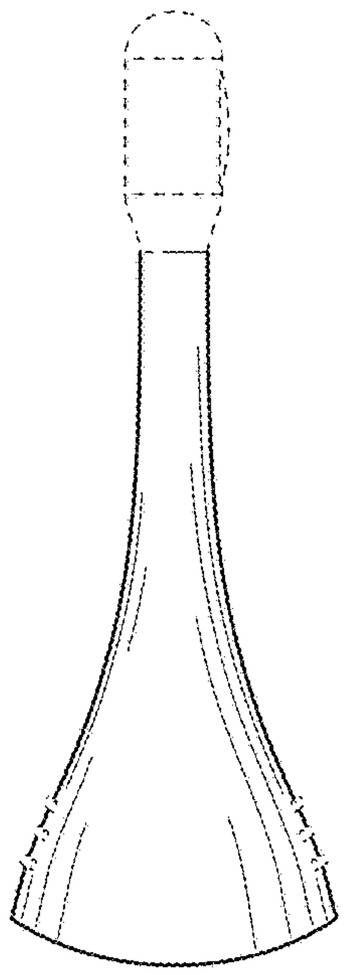

FIG. 25

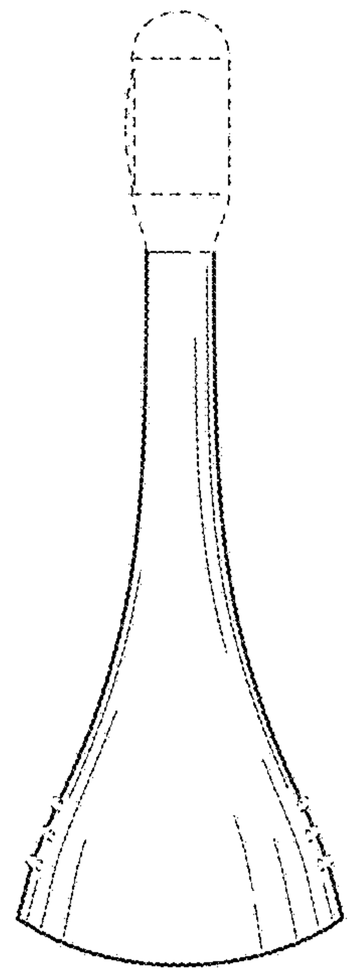

FIG. 26

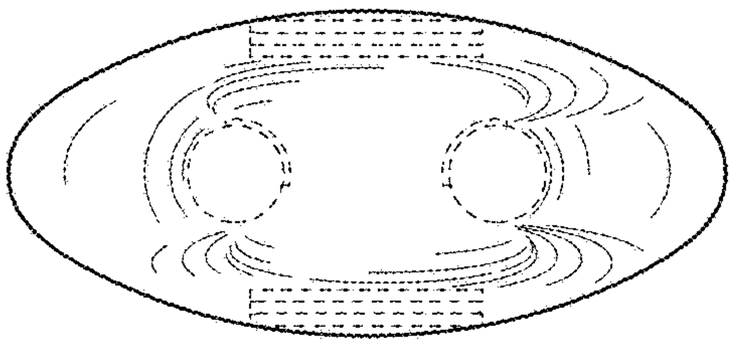

FIG. 27

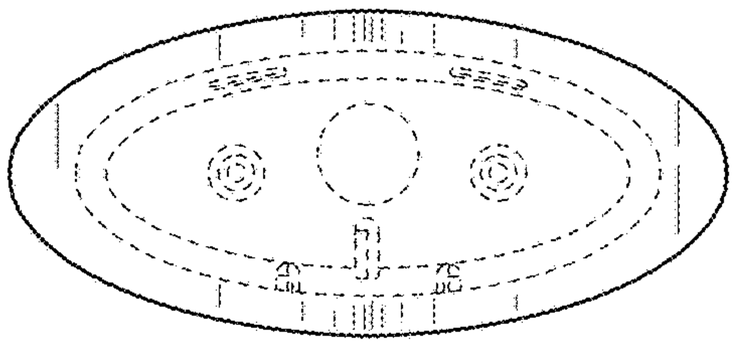

FIG. 28