



US00D864919S

(12) **United States Design Patent**
Bonahoom et al.

(10) **Patent No.:** **US D864,919 S**
(45) **Date of Patent:** **** Oct. 29, 2019**

(54) **WIRELESS EARPHONES**

- (71) Applicant: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)
- (72) Inventors: **Rhys Bonahoom**, San Mateo, CA (US);
Seounghyun Son, San Francisco, CA
(US)
- (73) Assignee: **Samsung Electronics Co., Ltd.**,
Suwon-si (KR)

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

(21) Appl. No.: **29/614,387**

(22) Filed: **Aug. 18, 2017**

(51) **LOC (12) Cl.** **14-01**

(52) **U.S. Cl.**
USPC **D14/223**

(58) **Field of Classification Search**
USPC D14/223; D24/174, 106; 128/864, 865,
128/866; 181/129, 130, 135; 379/430,
379/431; 381/380, 381, 330, 374, 370;
455/90.3, 575.1, 569.1
CPC H04R 1/10; H04R 25/00; H04R 1/105;
H04R 1/1066; H04R 1/1016; H04R
1/1058; H04R 1/023; A61F 11/08; A61F
11/10; A61F 11/008
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D176,810 S * 1/1956 Norris D14/192
- D177,346 S * 4/1956 Norris D14/192
- 3,234,467 A * 2/1966 Haveson H01Q 1/24
334/76
- 4,539,708 A * 9/1985 Norris H04B 1/088
455/100

(Continued)

FOREIGN PATENT DOCUMENTS

- WO DM/095371 3/2017
- WO WO099306-001 * 10/2017

OTHER PUBLICATIONS

Maehner, Von Julia "Der Bass treibt an." [2017] www.chip.de Dec. 5, 2017 <http://www.chip.de/artikel/Sportkopfhoeerer-Die-11-besten-Modelle_90250707.html>.

Primary Examiner — Paula Allen Greene
(74) *Attorney, Agent, or Firm* — NSIP Law

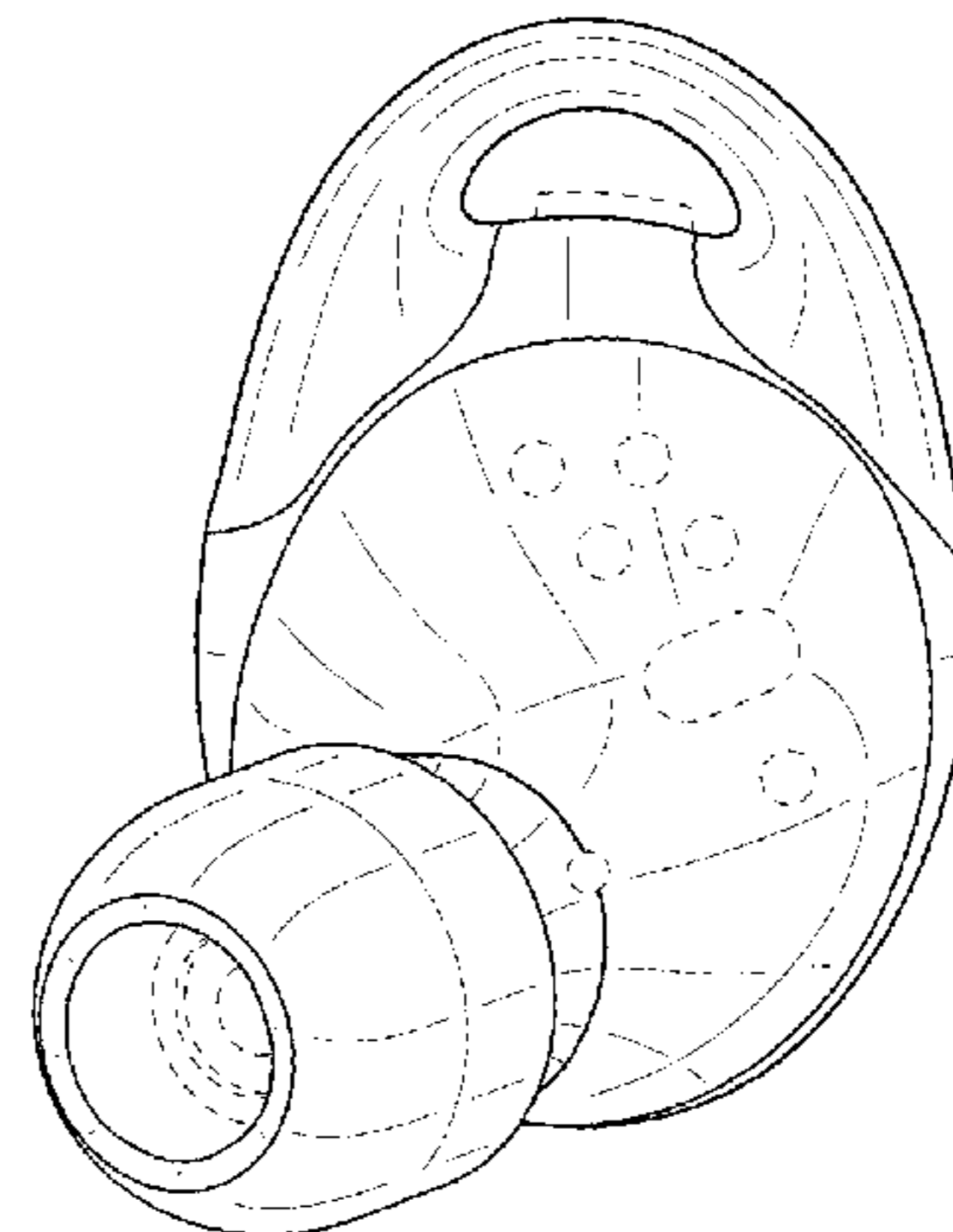
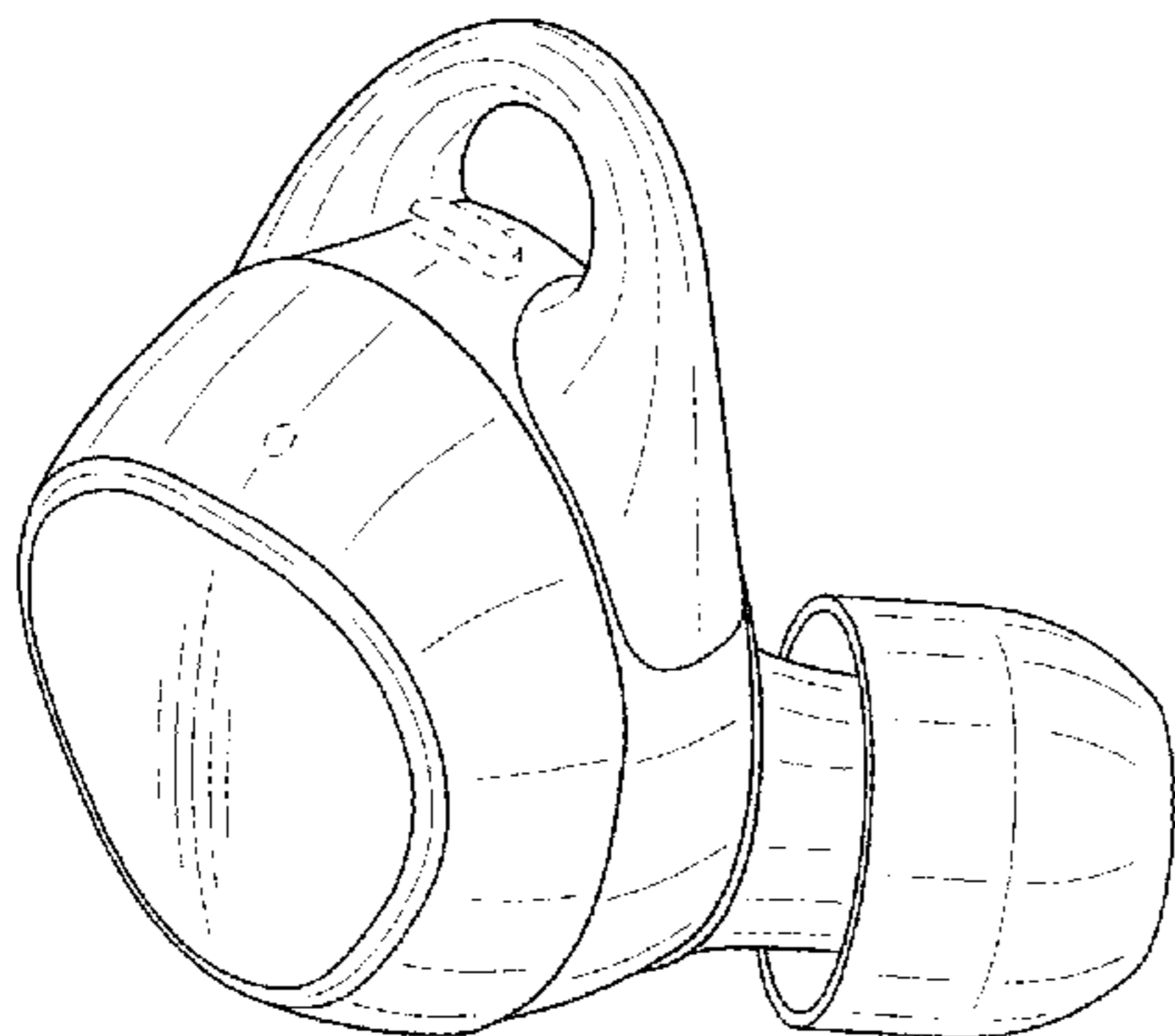
(57) **CLAIM**

We claim the ornamental design for wireless earphones, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment of wireless earphones, showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left-side view thereof;
FIG. 5 is a right-side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a rear perspective view thereof;
FIG. 9 is a front perspective view of a second embodiment of wireless earphones, showing our new design;
FIG. 10 is a front view thereof;
FIG. 11 is a rear view thereof;
FIG. 12 is a left-side view thereof;
FIG. 13 is a right-side view thereof;
FIG. 14 is a top view thereof;
FIG. 15 is a bottom view thereof; and,
FIG. 16 is a rear perspective view thereof.
The broken lines immediately adjacent the shaded areas represent the bounds of the claimed design while all other broken lines are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

4,672,672 A * 6/1987 Eggert H04R 25/60
381/321
4,691,383 A * 9/1987 DeMars H04B 1/086
379/430
D321,881 S * 11/1991 Hopewell D14/192
D350,961 S * 9/1994 Nakamura D14/205
D452,857 S * 1/2002 Hong D14/206
D464,638 S * 10/2002 Huang D14/205
D469,755 S * 2/2003 Hlas D14/223
D529,901 S * 10/2006 Ohta D14/223
D543,972 S * 6/2007 Taylor D14/223
D559,837 S * 1/2008 Nakano D14/223
D574,814 S * 8/2008 Hammond D14/205
D579,006 S * 10/2008 Kim D14/223
D597,534 S * 8/2009 Christopher D14/223
D603,380 S * 11/2009 Hutchieson D14/223
D618,211 S * 6/2010 Oguro D14/205
D621,817 S * 8/2010 Brickstad D14/223
D634,736 S * 3/2011 Wikel D14/223
D635,558 S * 4/2011 Zheng D14/206
D660,292 S * 5/2012 Rautiainen D14/223
D666,581 S * 9/2012 Perez D14/223
D681,602 S * 5/2013 Koch D14/205

D684,699 S * 6/2013 Heaysman D24/174
D684,700 S * 6/2013 Heaysman D24/174
D685,481 S * 7/2013 Heaysman D24/174
D699,215 S * 2/2014 Koch D14/205
D705,757 S * 5/2014 Yashiro H04R 1/10
D14/223
D711,356 S * 8/2014 Yang D14/223
D729,775 S * 5/2015 Seo D14/205
D733,103 S * 6/2015 Jeong D14/224
D735,169 S * 7/2015 Shieh D14/223
D773,439 S * 12/2016 Walker D14/205
D777,710 S * 1/2017 Palmborg D14/223
D788,079 S * 5/2017 Son D14/223
D806,879 S * 1/2018 Horbinski D24/174
2011/0142276 A1 * 6/2011 Uchida H04R 1/1075
381/370
2011/0176699 A1 * 7/2011 Lin H04R 1/1016
381/374
2012/0114160 A1 * 5/2012 Lin H04R 1/1091
381/380
2014/0064548 A1 * 3/2014 Chu H04R 1/1091
381/380
2014/0205125 A1 * 7/2014 Triato H04R 1/1066
381/330

* cited by examiner

FIG. 1

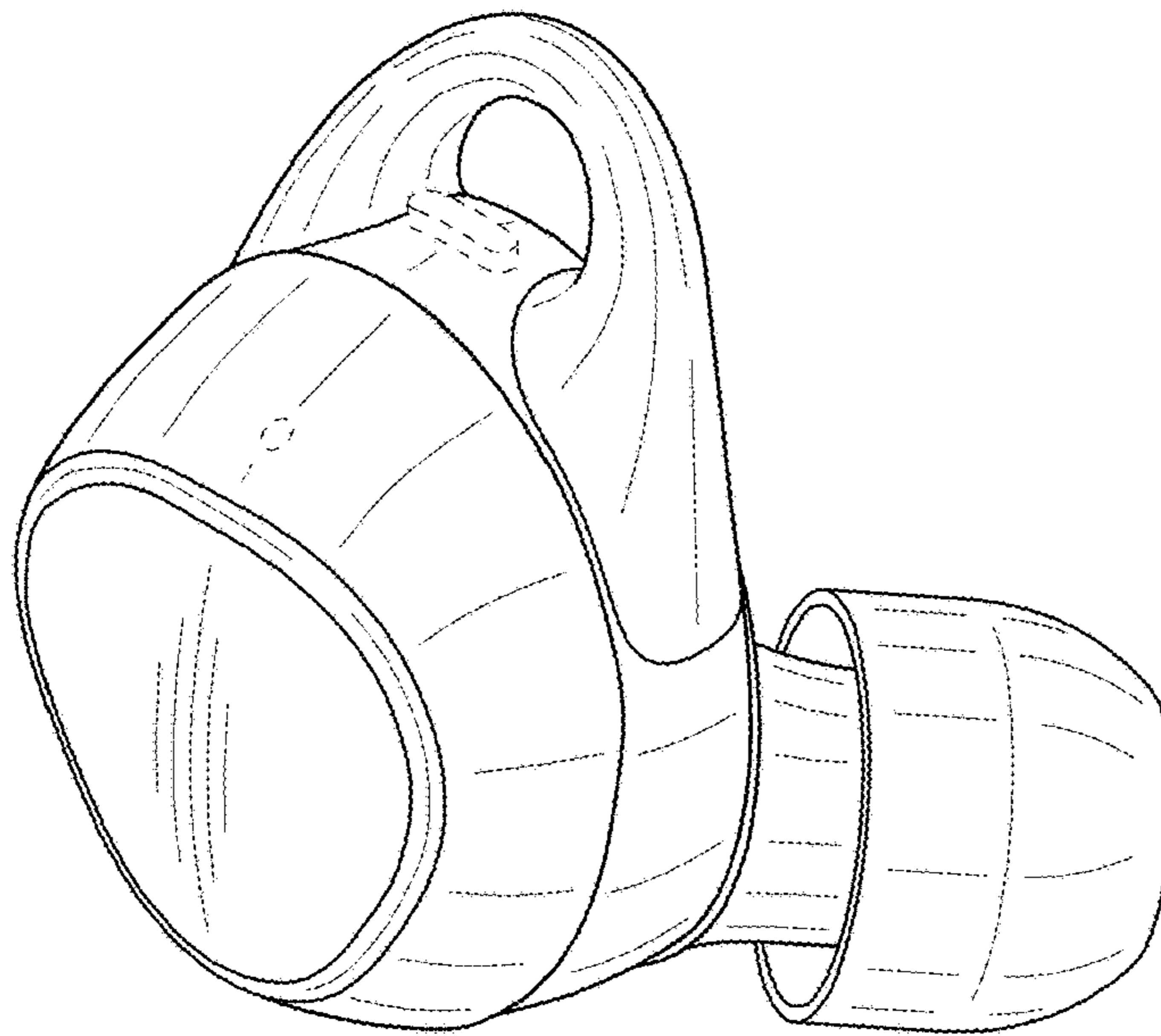


FIG.2

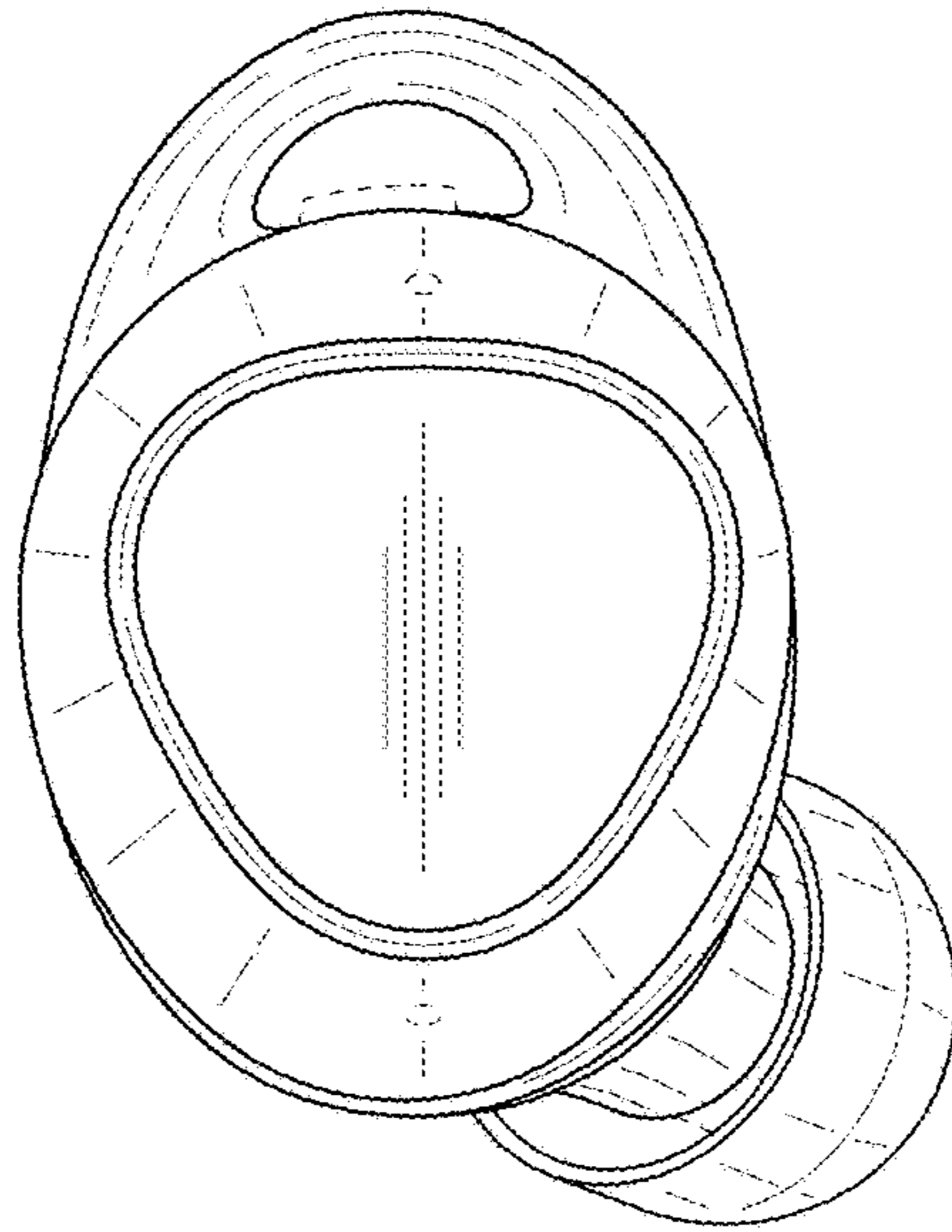


FIG.3

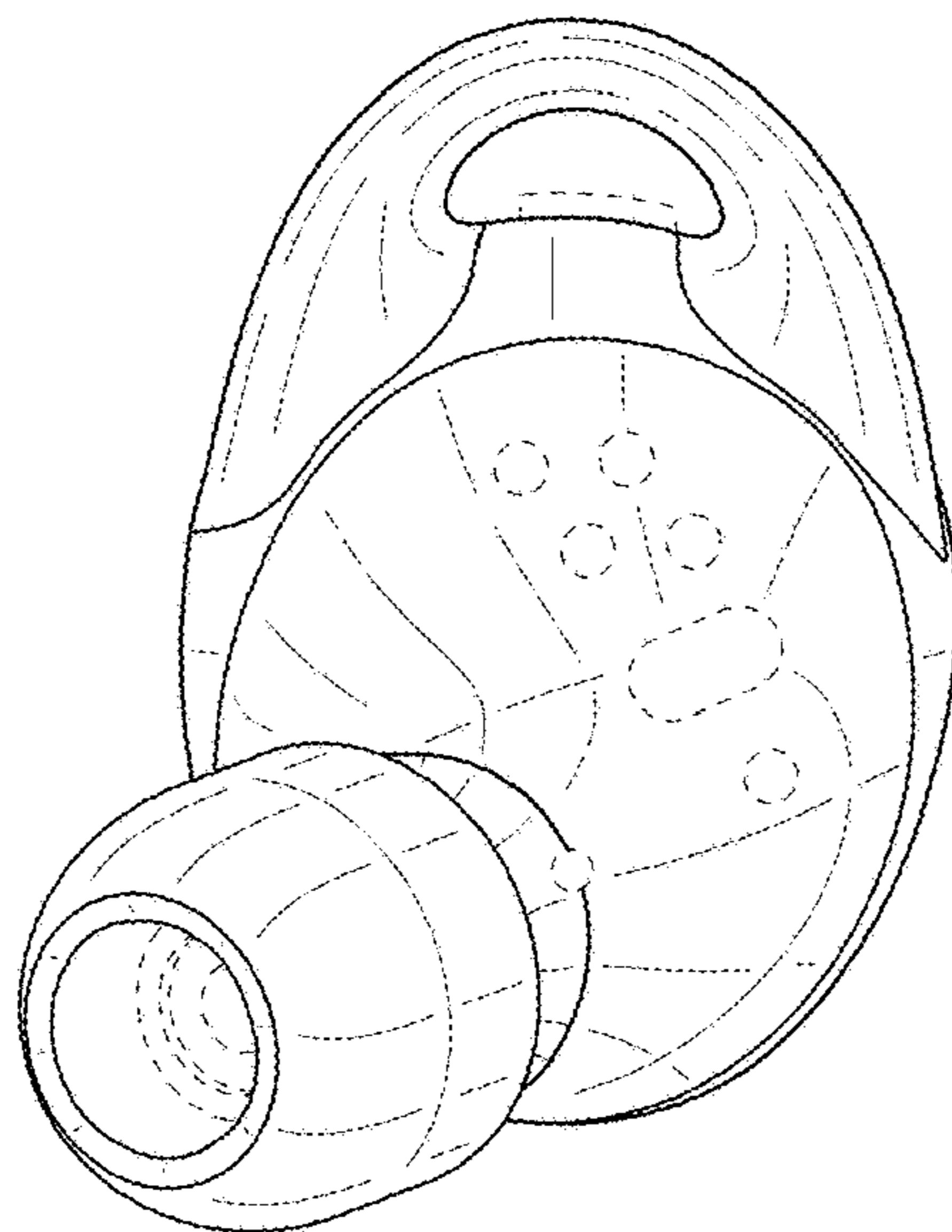


FIG.4

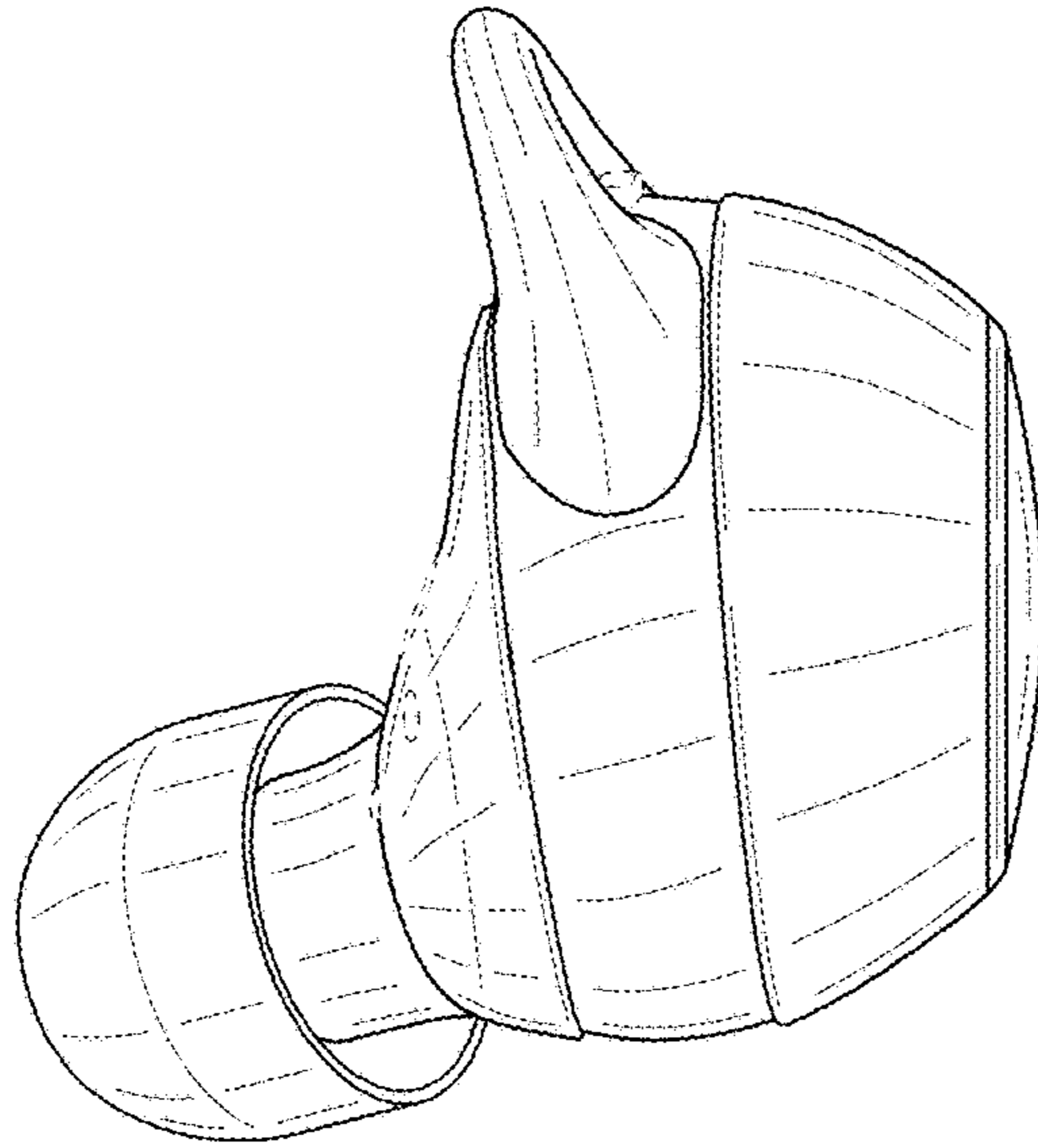


FIG.5

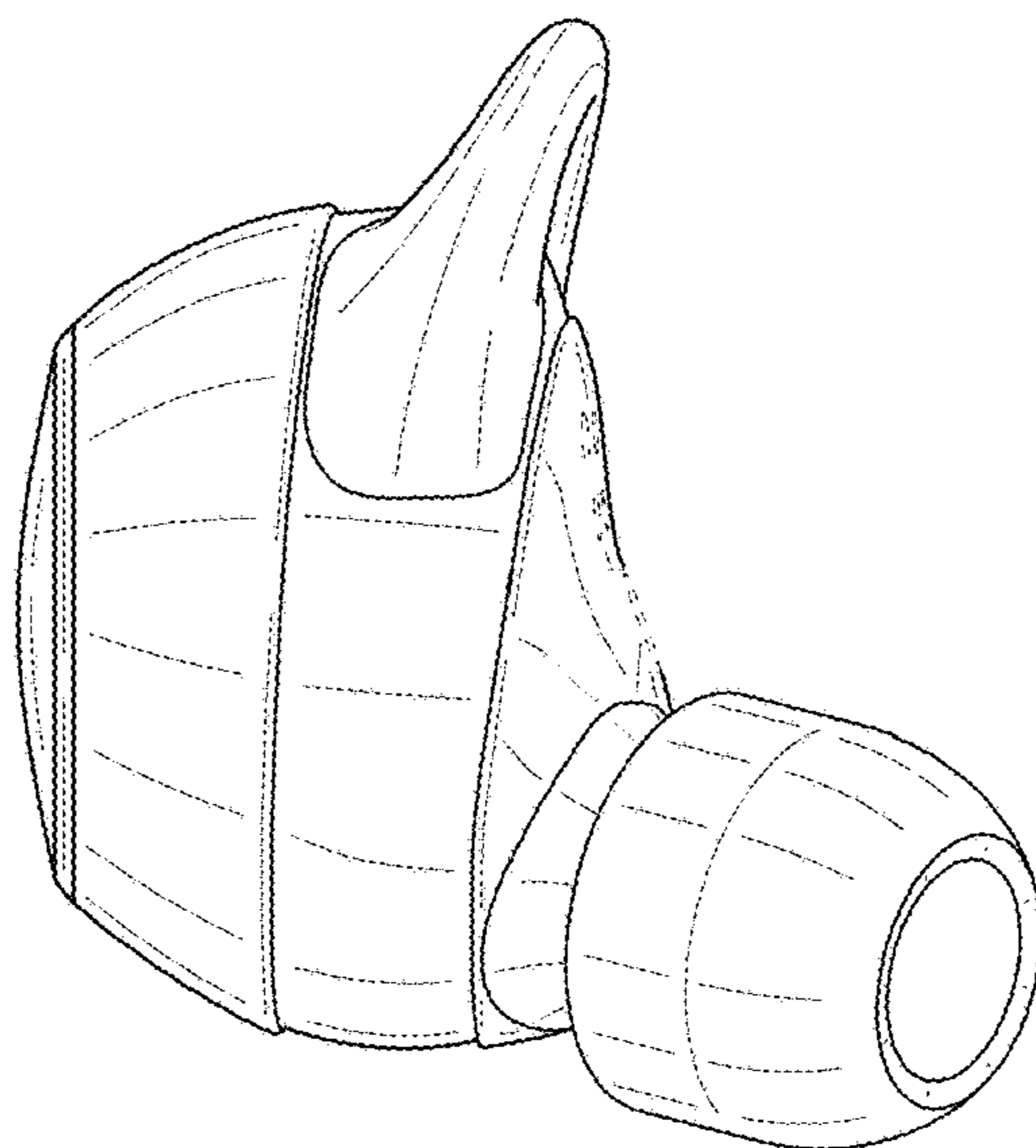


FIG.6

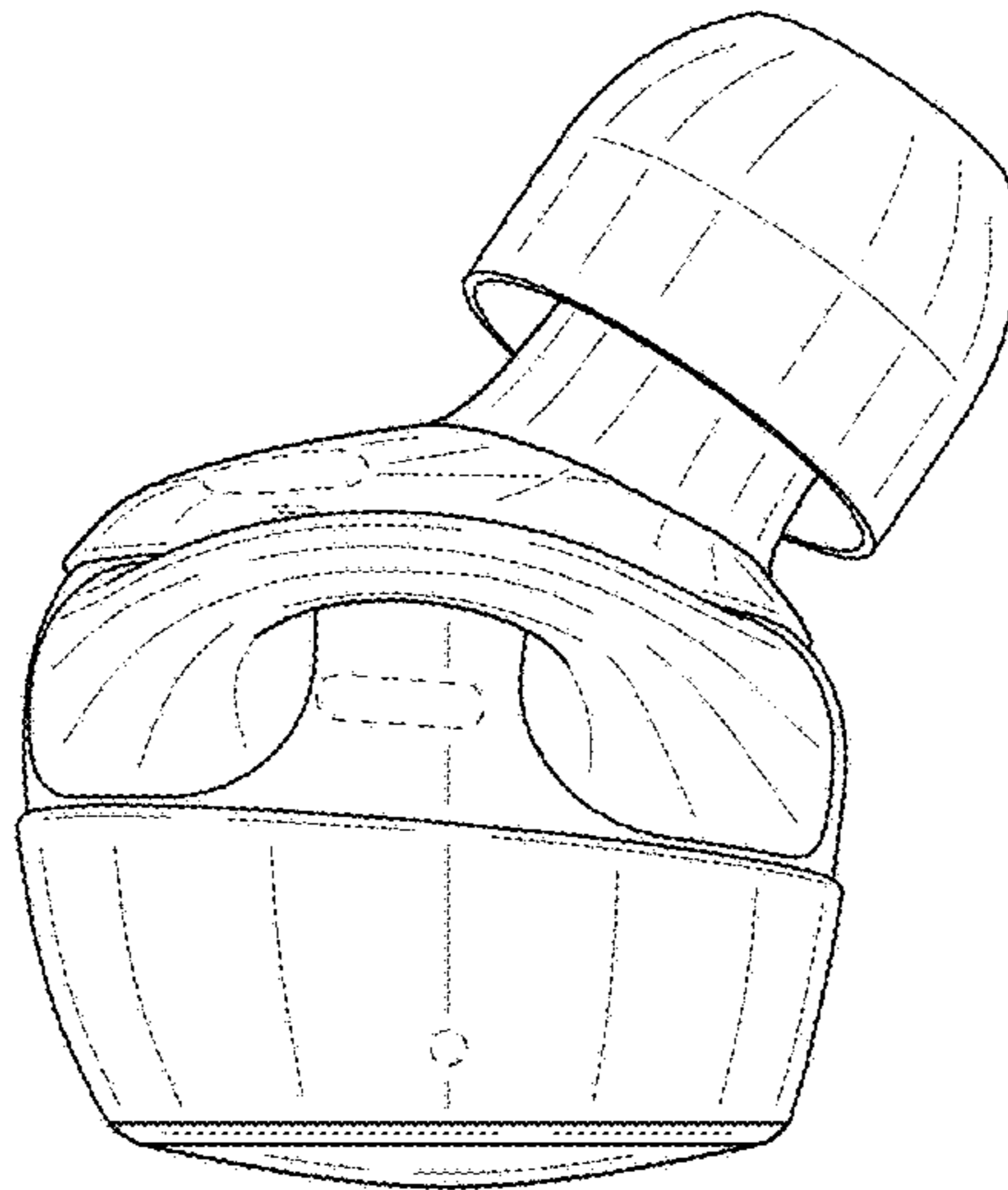


FIG.7

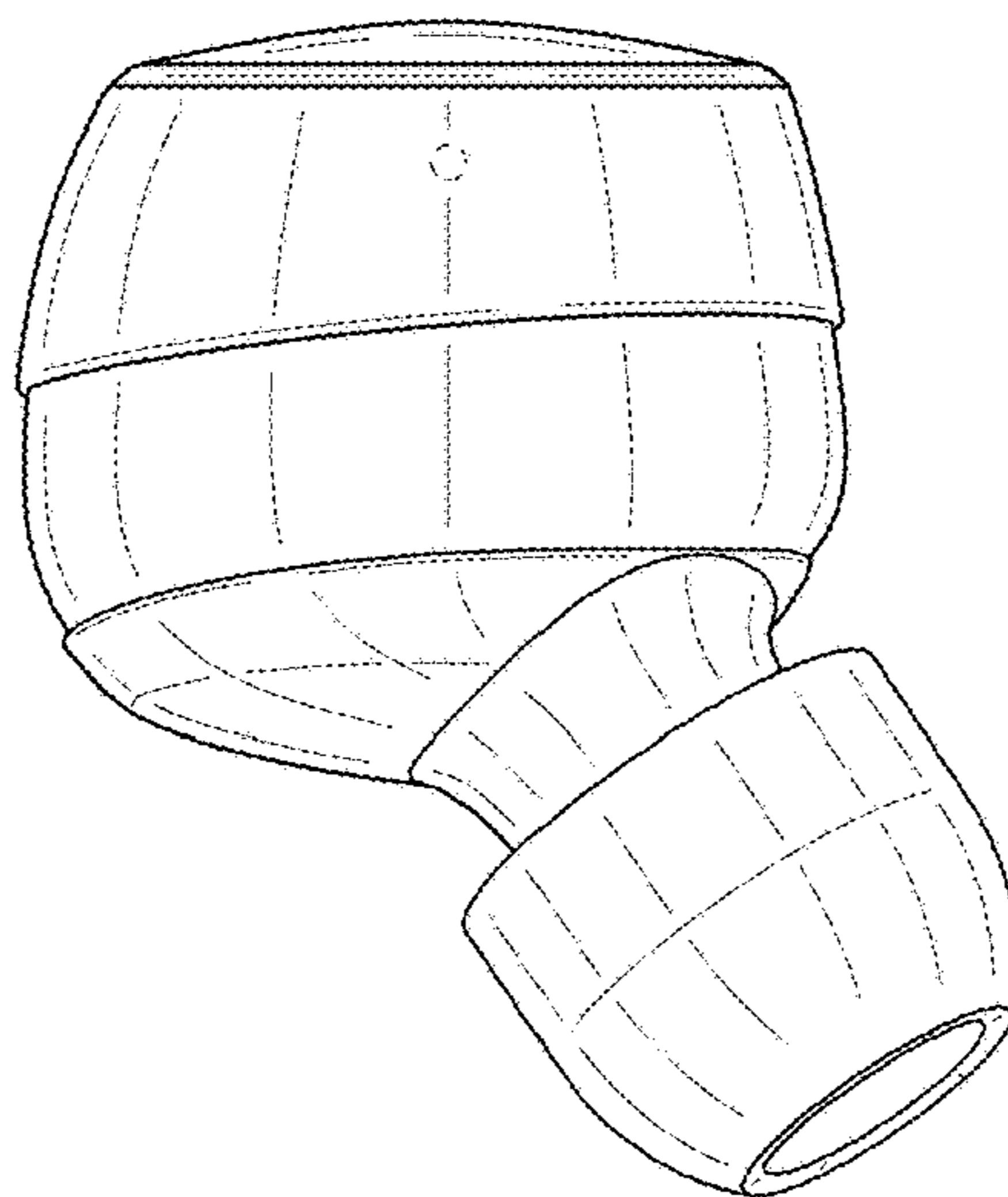


FIG.8

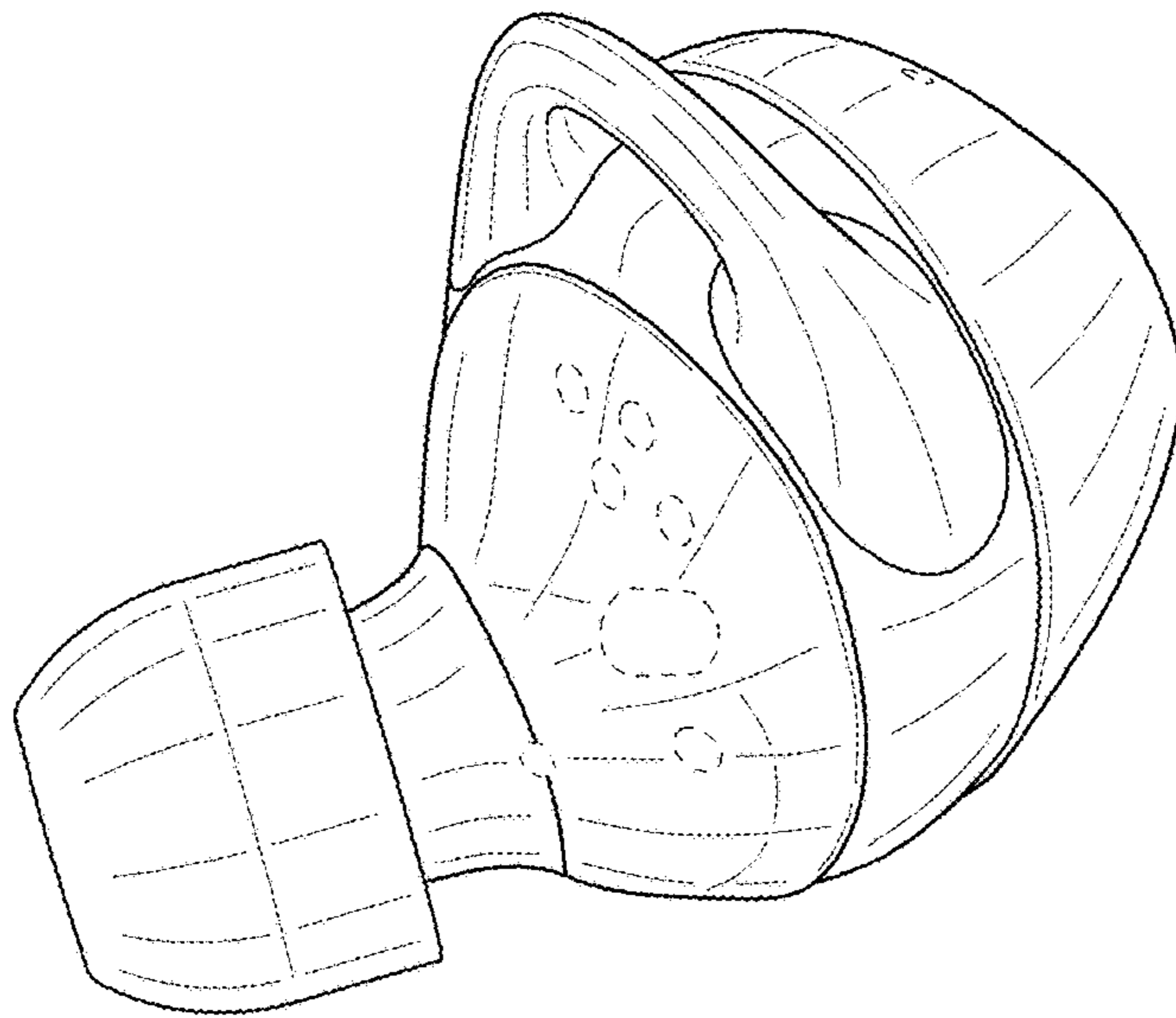


FIG.9

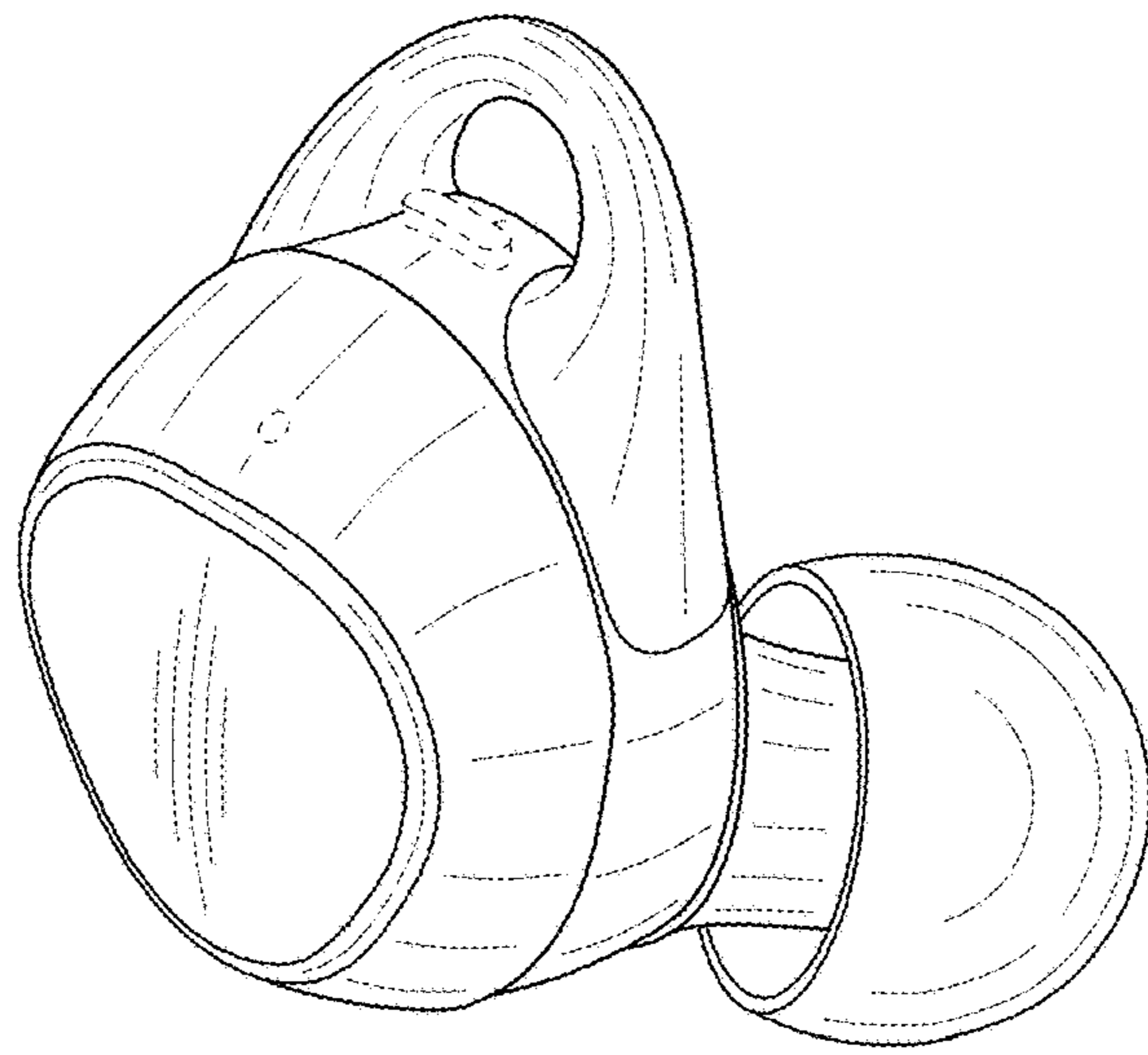


FIG.10

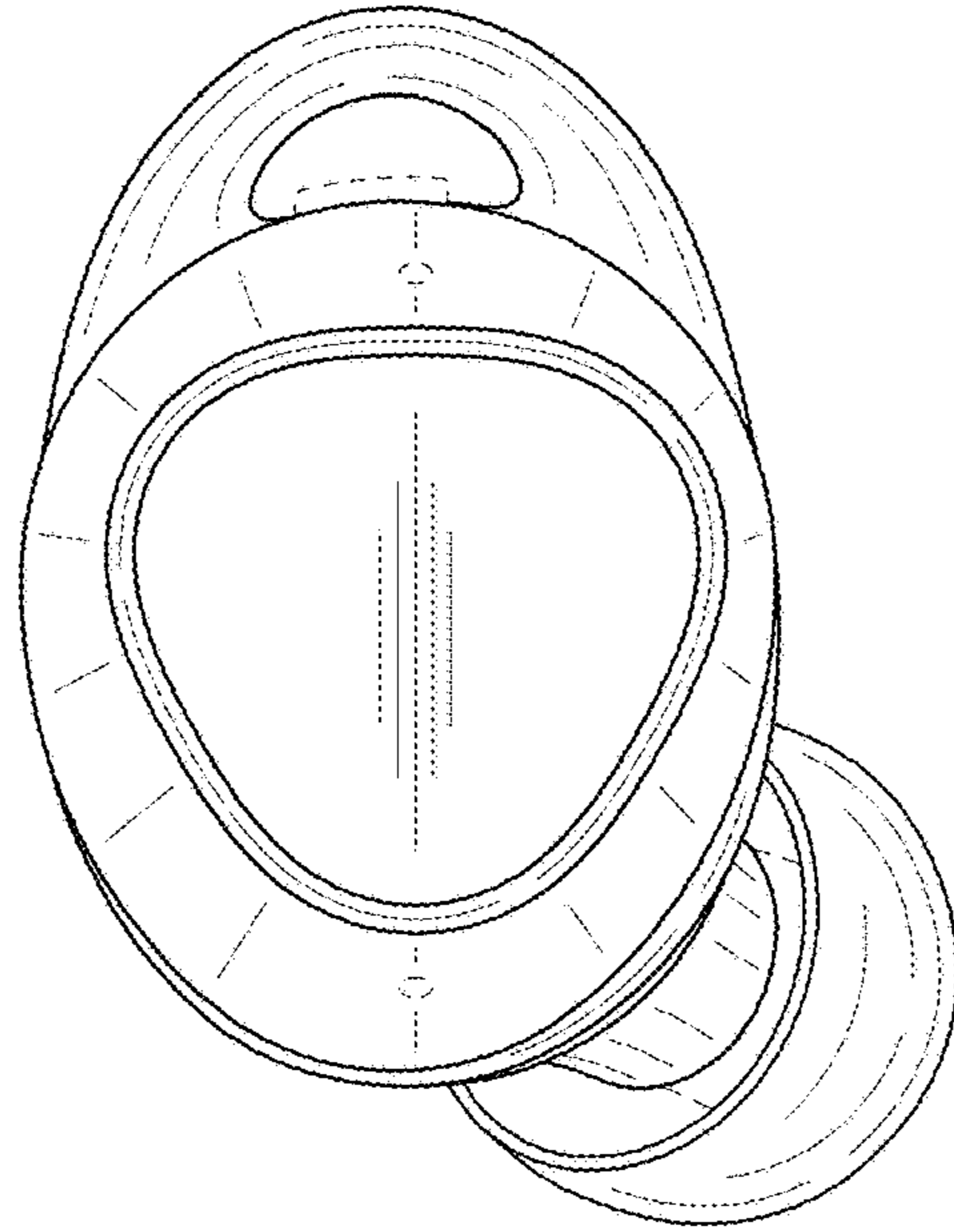


FIG.11

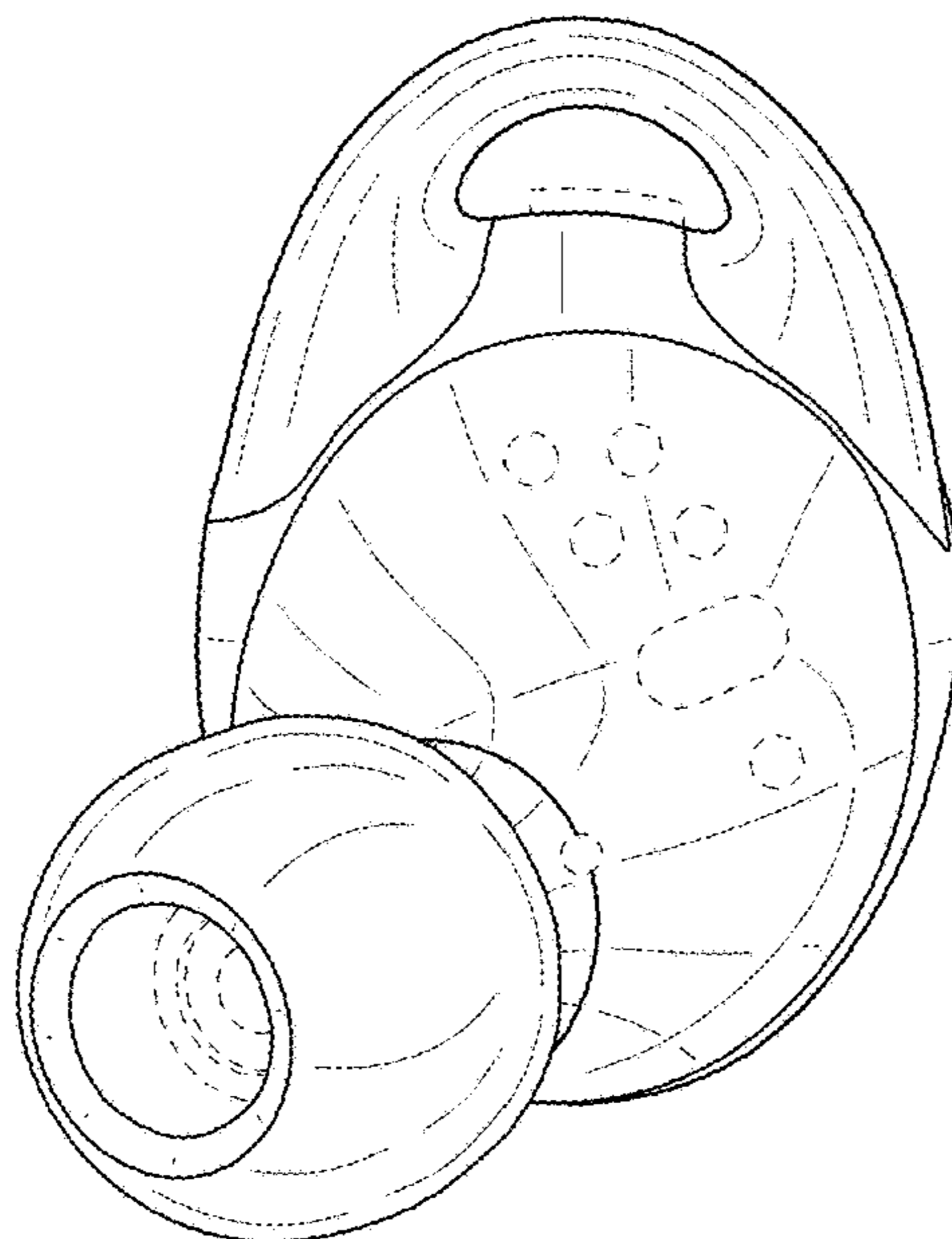


FIG.12

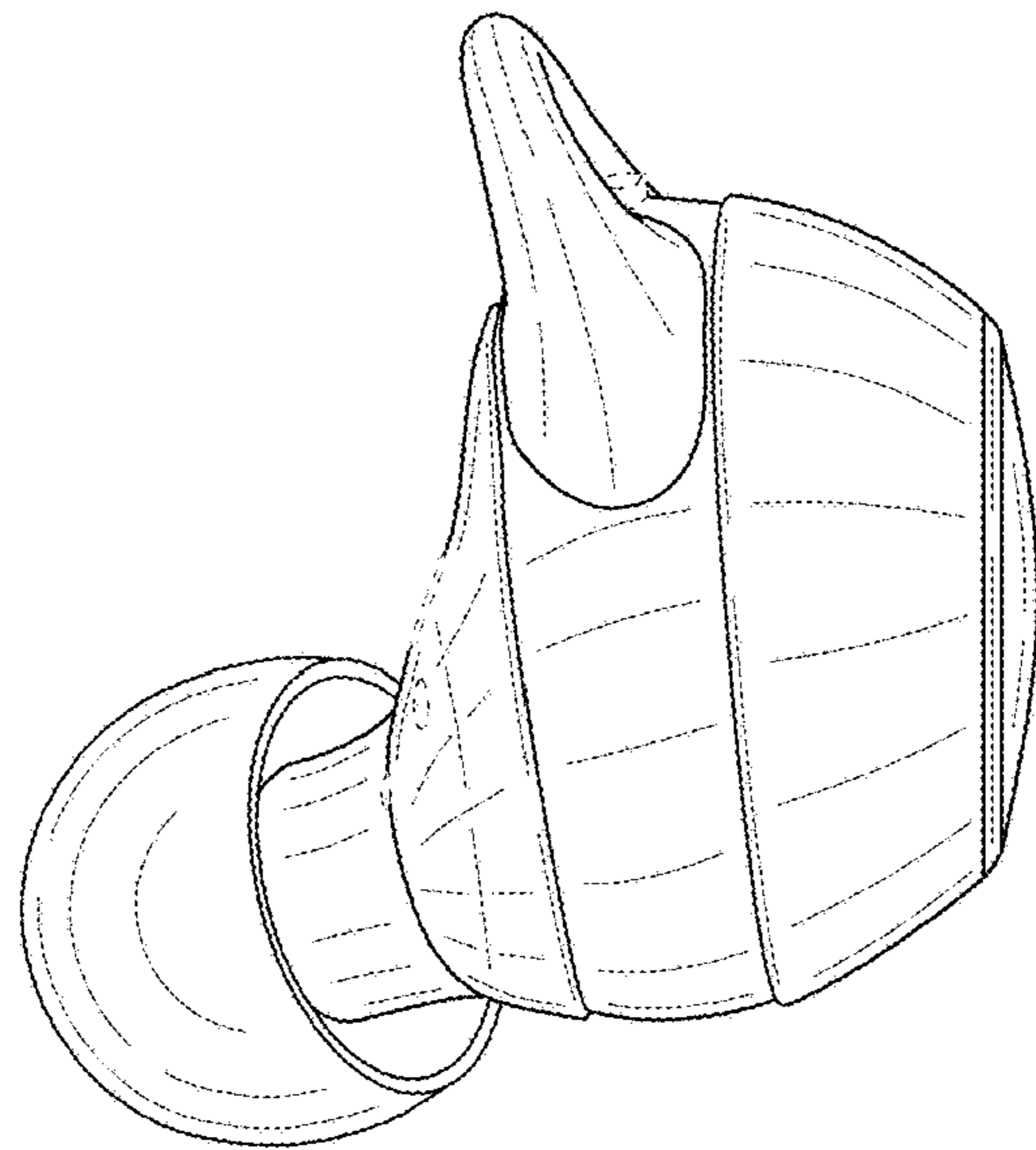


FIG.13

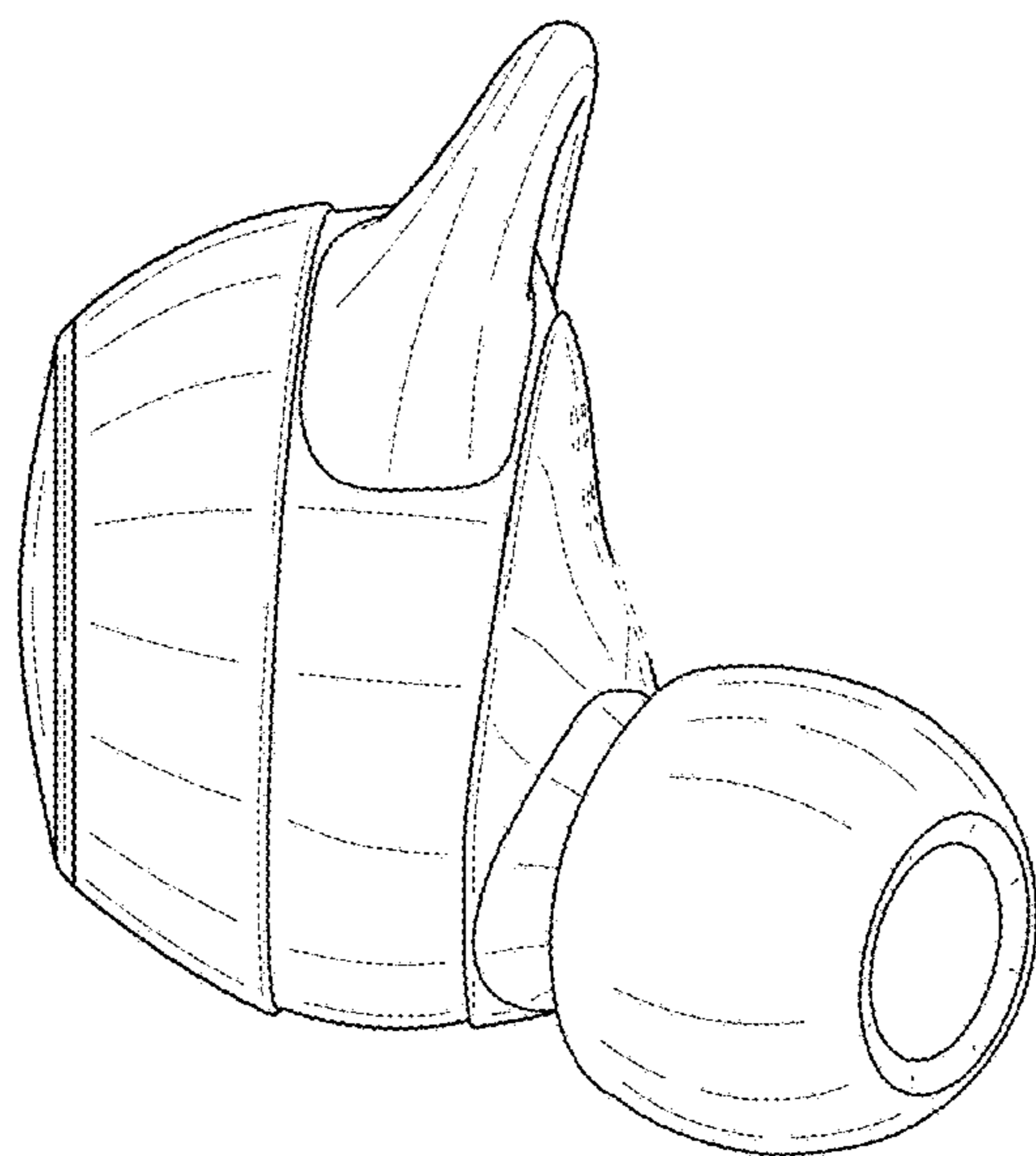


FIG. 14

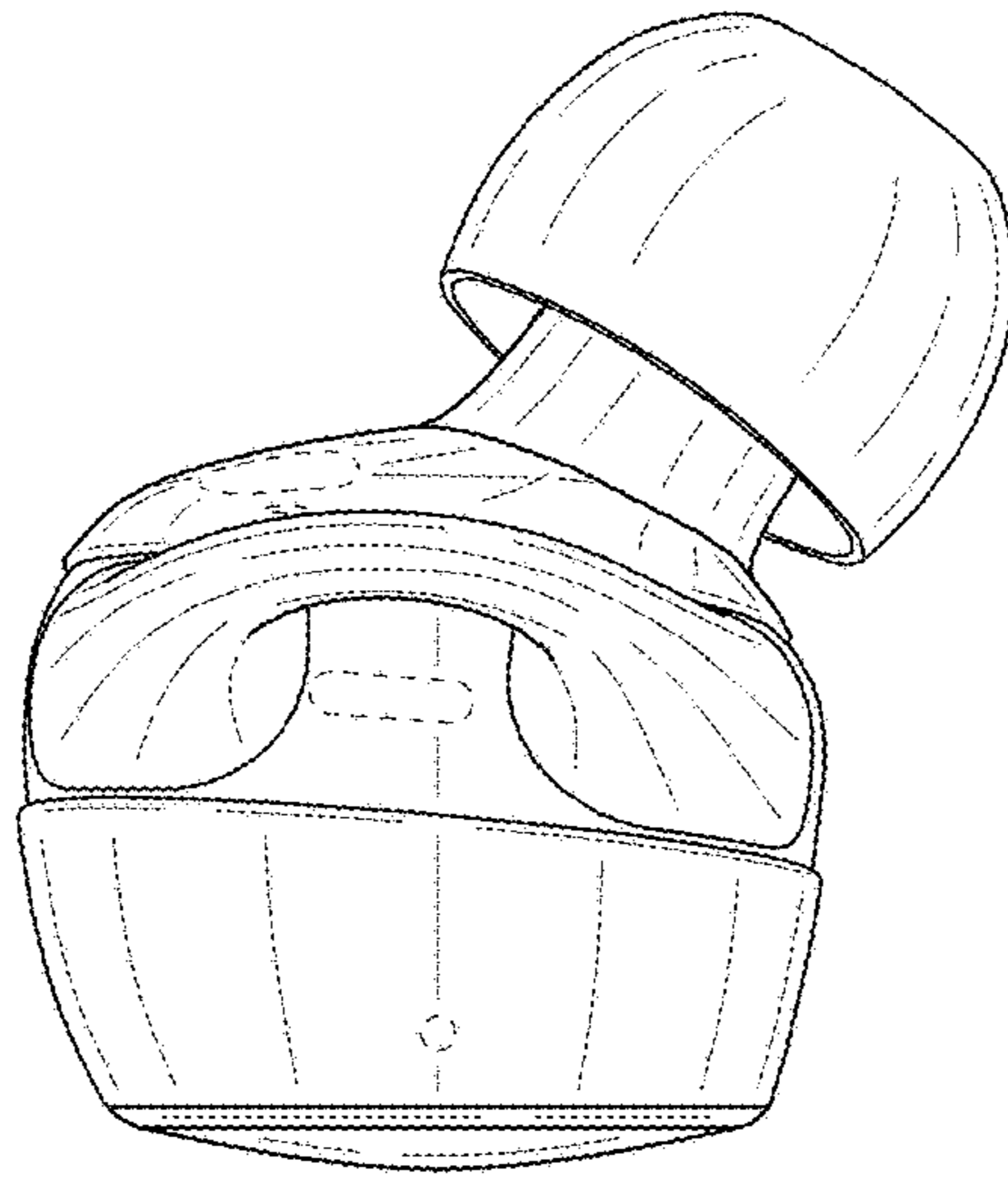


FIG. 15

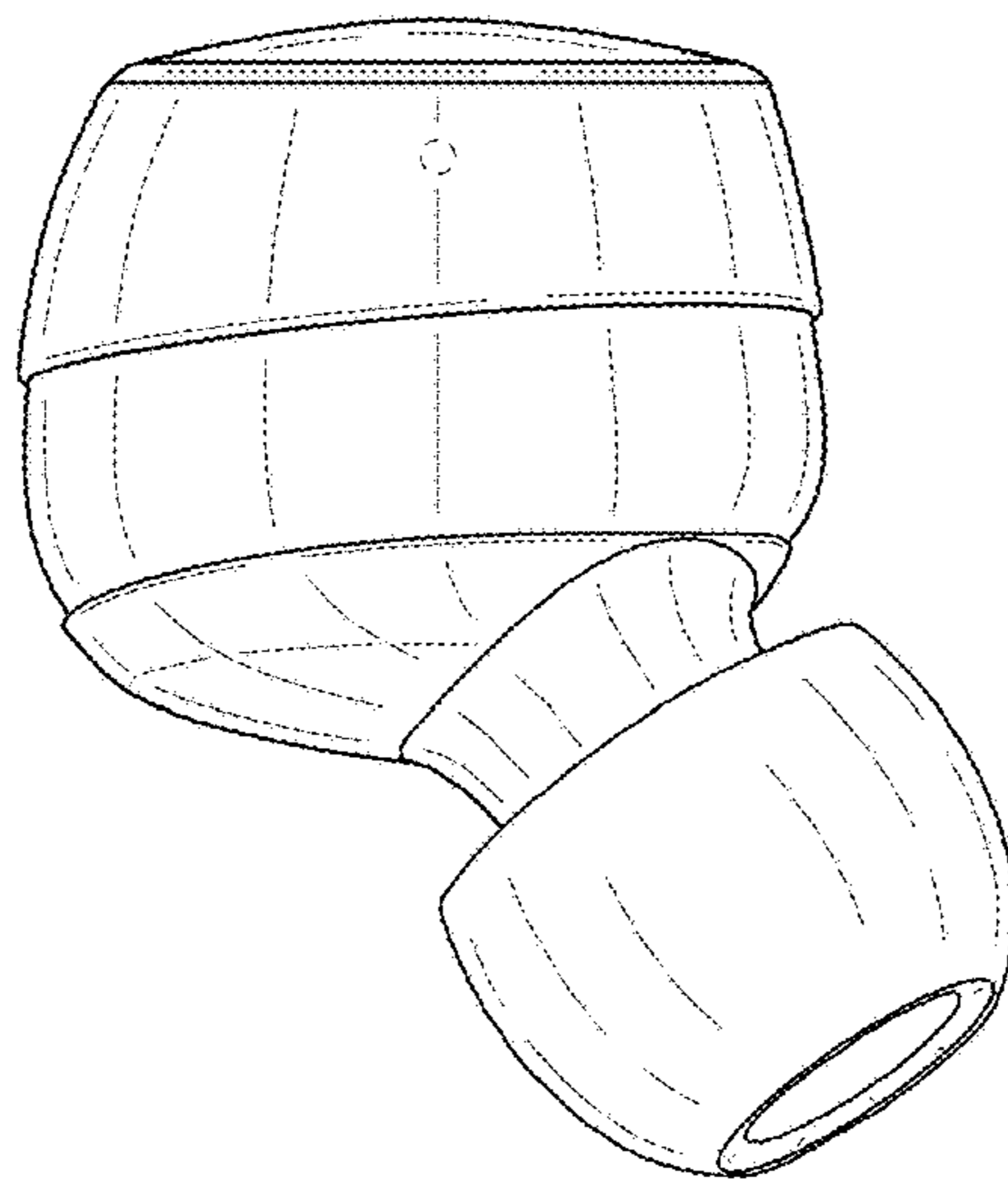


FIG. 16

