



US00D954027S

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

(10) **Patent No.:** **US D954,027 S**
(45) **Date of Patent:** **** Jun. 7, 2022**

(54) **EARPHONE**
(71) Applicant: **Shenzhen Ausounds Intelligent Co., Ltd., Shenzhen (CN)**
(72) Inventor: **Aimin Chen, Shenzhen (CN)**
(73) Assignee: **Shenzhen Ausounds Intelligent Co., Ltd., Shenzhen (CN)**
(**) Term: **15 Years**

D845,932 S * 4/2019 Lu D14/223
D852,171 S * 6/2019 Cai D14/223
D858,489 S * 9/2019 Hu D14/223
D868,752 S * 12/2019 Zhu D14/223
D871,376 S * 12/2019 Zhou D14/223
D872,064 S * 1/2020 Cai D14/223
D880,457 S * 4/2020 Zhu D14/223
D883,261 S * 5/2020 Zhang D14/223
D889,441 S * 7/2020 Lin D14/223
D892,086 S * 8/2020 Bonahoom D14/223
D895,580 S * 9/2020 Yu D14/223
D896,205 S * 9/2020 Zhang D14/223
D897,319 S * 9/2020 Wang D14/223
D897,322 S * 9/2020 Wei D14/223

(Continued)

(21) Appl. No.: **29/767,853**
(22) Filed: **Jan. 26, 2021**
(51) **LOC (13) Cl.** **14-01**
(52) **U.S. Cl.**
USPC **D14/223**
(58) **Field of Classification Search**
USPC D14/223, 205; D24/174; 128/864-866;
381/380, 381, 322, 325, 328; 455/90.3,
455/575.1, 569.1
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1016; H04R 1/1066; H04R
5/033; H04R 5/0335; H04R 1/1058;
H04R 1/1091; H04R 1/1041
See application file for complete search history.

FOREIGN PATENT DOCUMENTS

JP D1660444 * 5/2020
JP D1710362 * 3/2022

(Continued)

Primary Examiner — Paula Allen Greene
(74) *Attorney, Agent, or Firm* — Westbridge IP LLC

(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

DESCRIPTION

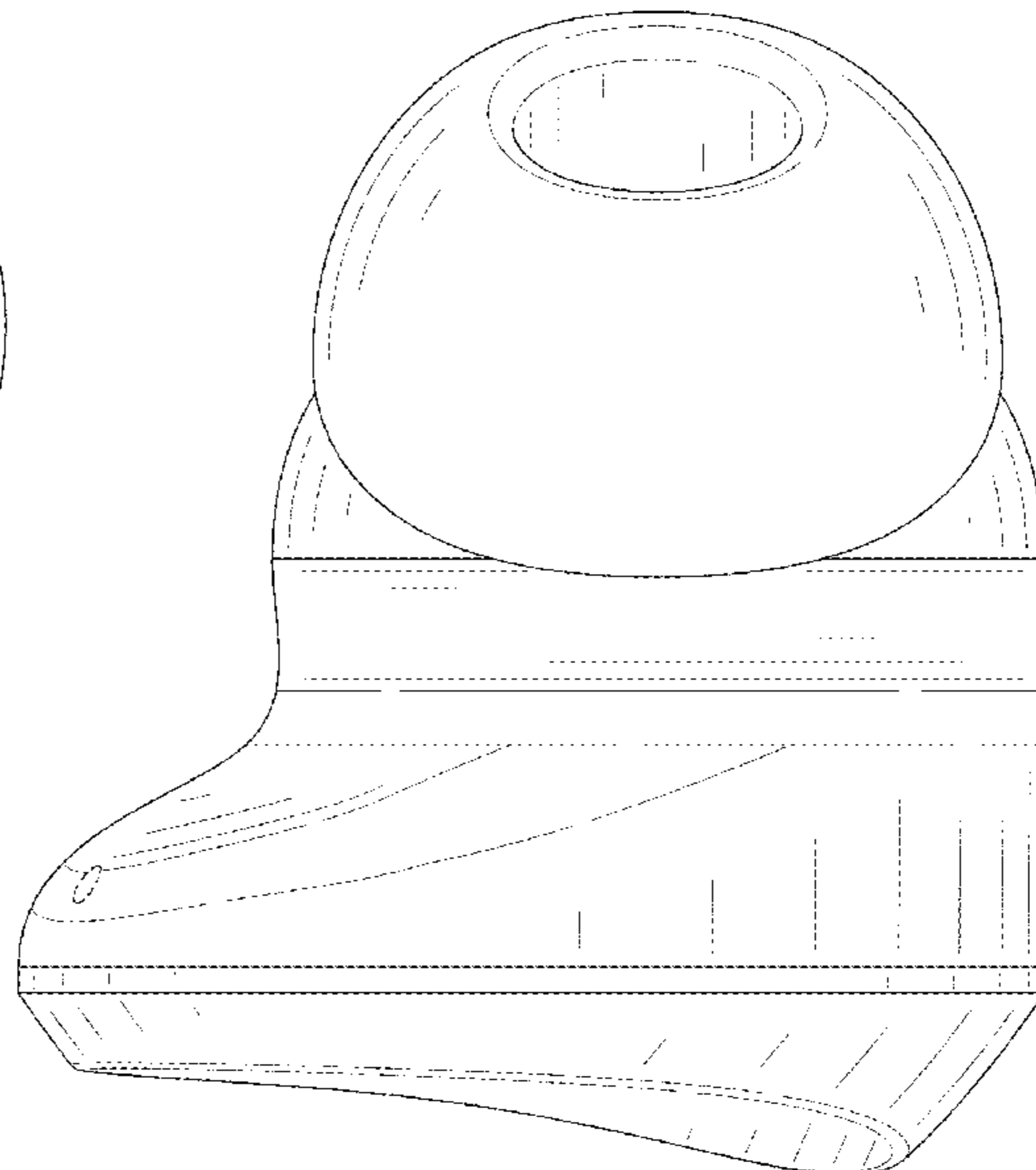
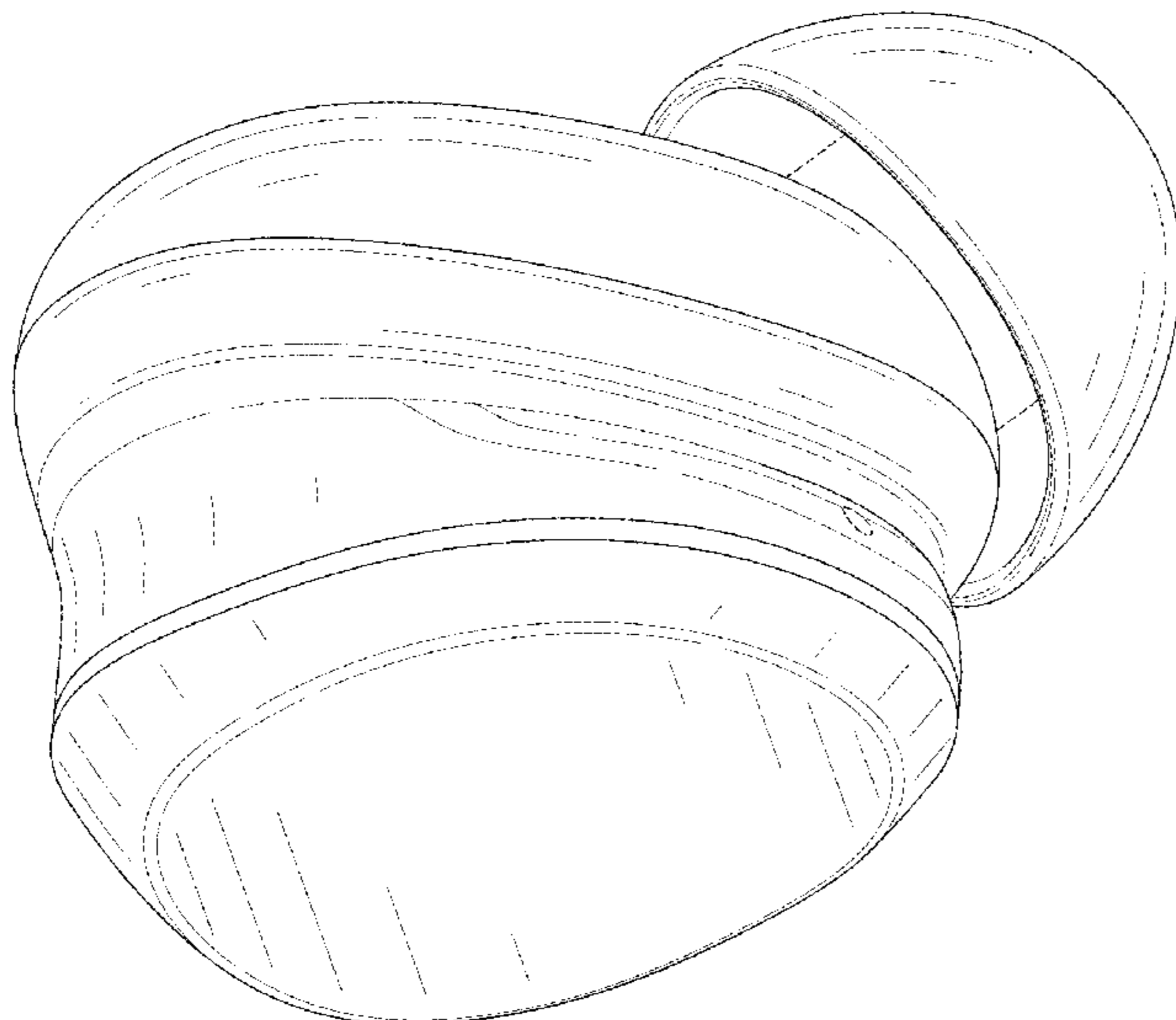
FIG. 1 is a front perspective view of an earphone showing my new design;
FIG. 2 is a rear perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings illustrate the portions of the earphone which form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D287,764 S * 1/1987 Topholm D24/174
D481,709 S * 11/2003 Solderits D14/223
D666,580 S * 9/2012 Lee D14/223
D666,581 S * 9/2012 Perez D14/223
D735,169 S * 7/2015 Shieh D14/223
D777,710 S * 1/2017 Palmborg D14/223
D806,879 S * 1/2018 Horbinski D24/174
D812,042 S * 3/2018 Xiao D14/223
D813,205 S * 3/2018 Palmborg D14/223
D841,626 S * 2/2019 Tang D14/223
D843,354 S * 3/2019 Kumano D14/223



(56)

References Cited

U.S. PATENT DOCUMENTS

D900,064 S * 10/2020 Laffon De Mazieres ... D14/223
 D902,184 S * 11/2020 Yang D14/223
 10,827,249 B1 * 11/2020 Pine H04R 1/1041
 D903,638 S * 12/2020 Li D14/223
 D906,292 S * 12/2020 Wang D14/223
 D908,667 S * 1/2021 He D14/223
 D920,288 S * 5/2021 Vautour D14/223
 D920,958 S * 6/2021 Ye D14/223
 D922,358 S * 6/2021 Li D14/223
 D925,492 S * 7/2021 Sugiura D14/223
 D927,466 S * 8/2021 Zhang D14/223
 D929,378 S * 8/2021 Li D14/223
 D930,615 S * 9/2021 Tanaka D14/223
 D930,617 S * 9/2021 Tanaka D14/223
 D934,841 S * 11/2021 Takubo D14/223
 D941,275 S * 1/2022 Liu D14/223
 D941,805 S * 1/2022 Li D14/223
 D945,405 S * 3/2022 Rose D14/223

D947,817 S * 4/2022 Nakamura D14/223
 2016/0269823 A1 * 9/2016 Lee H04R 1/1016
 2016/0316289 A1 * 10/2016 Huang H04R 1/1075
 2017/0180844 A1 * 6/2017 Nanni H04W 76/10
 2018/0035196 A1 * 2/2018 Yeung H04R 1/1058
 2018/0048954 A1 * 2/2018 Förstner H04R 1/1041
 2019/0069066 A1 * 2/2019 Song E05C 19/16
 2020/0186906 A1 * 6/2020 Birch H04R 1/1041
 2021/0014598 A1 * 1/2021 Pine H04R 1/1025
 2021/0152921 A1 * 5/2021 Silva H04R 1/1058
 2021/0250671 A1 * 8/2021 Bigeh H04R 1/1016
 2021/0352395 A1 * 11/2021 Wang A61B 5/02438
 2021/0400370 A1 * 12/2021 Pine H04R 1/1025
 2022/0095040 A1 * 3/2022 Holley H04R 1/1016

FOREIGN PATENT DOCUMENTS

TW 217443-0001 * 10/2020
 WO D213157-001 * 2/2021

* cited by examiner

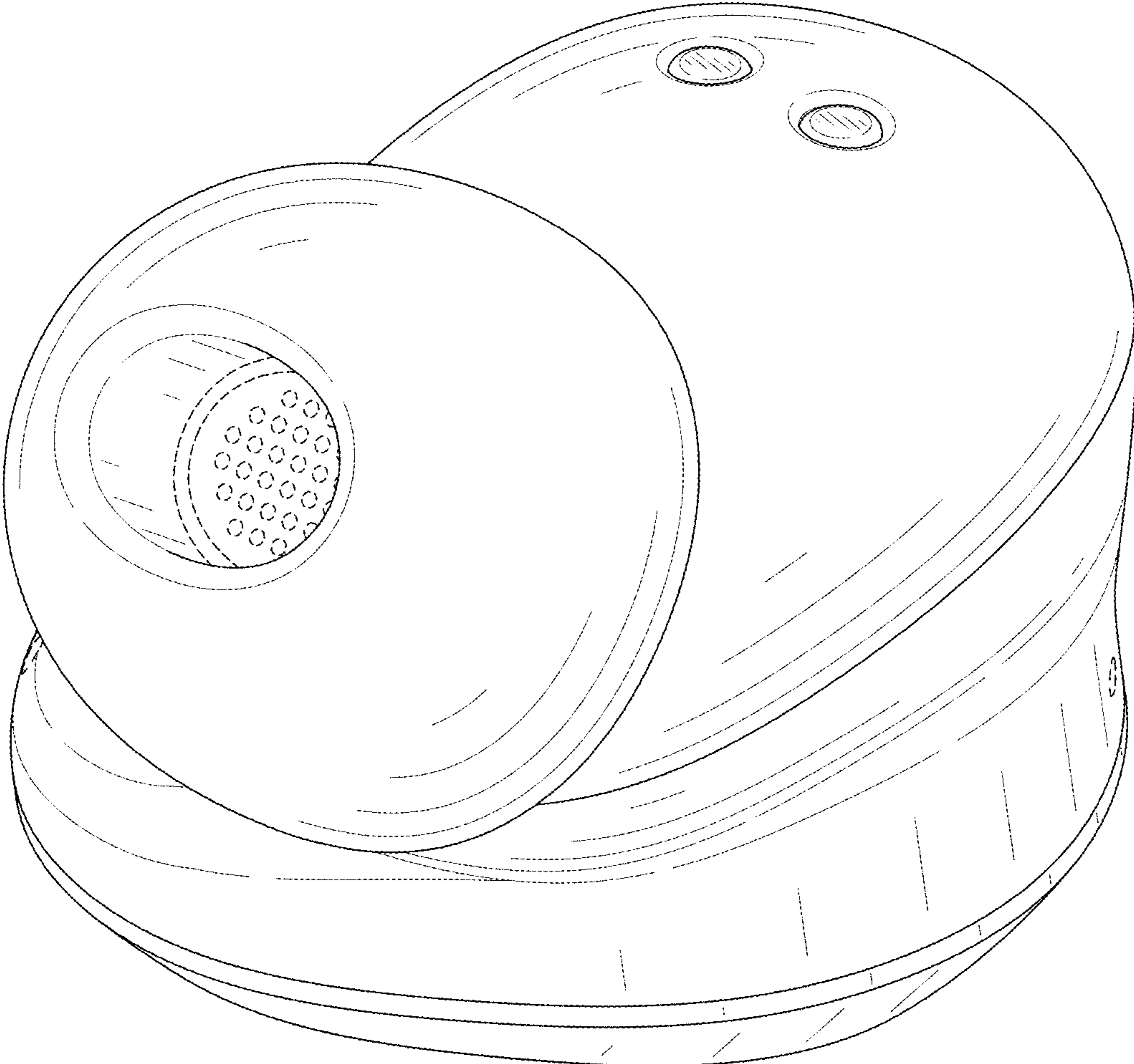


FIG. 1

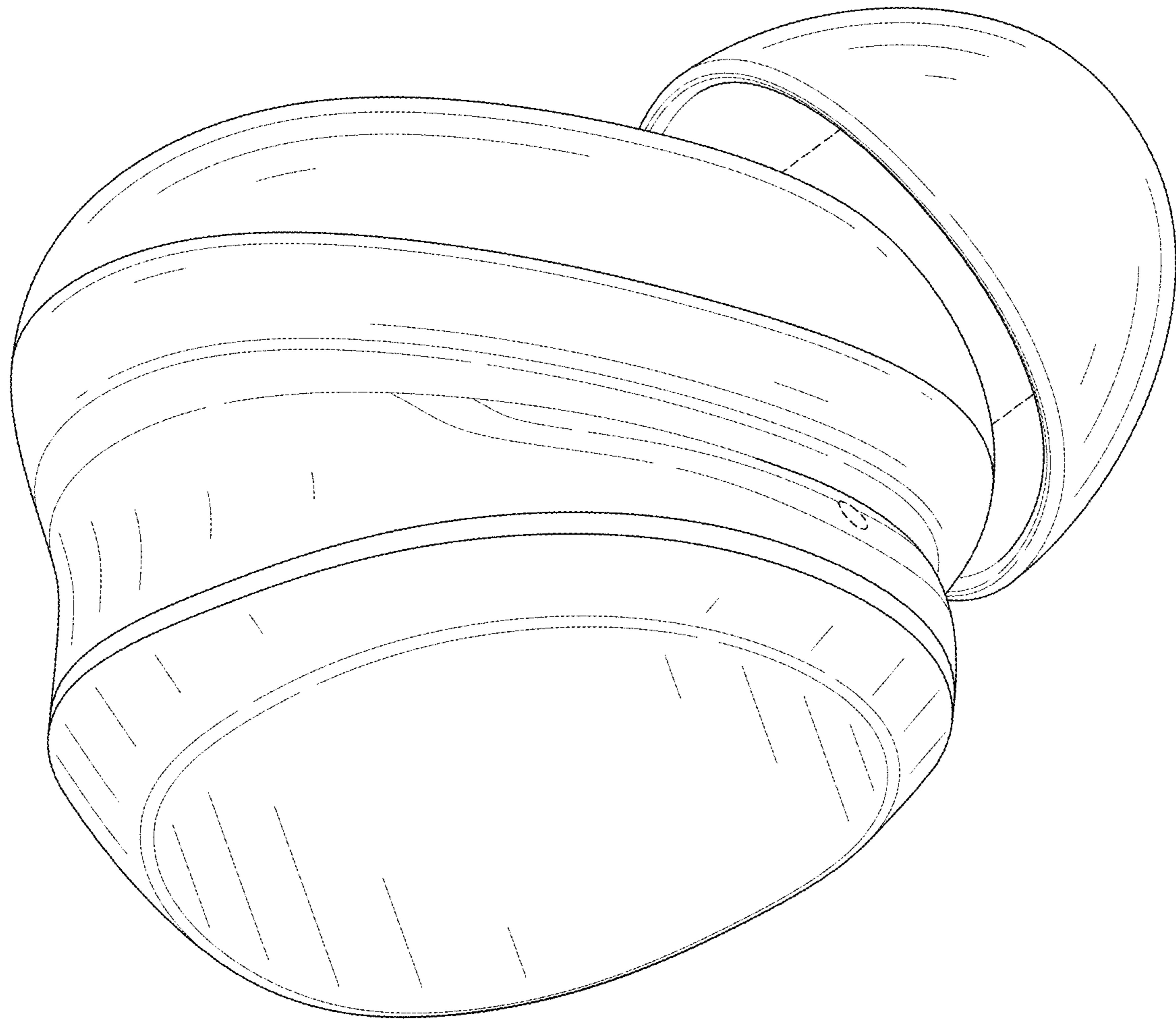


FIG. 2

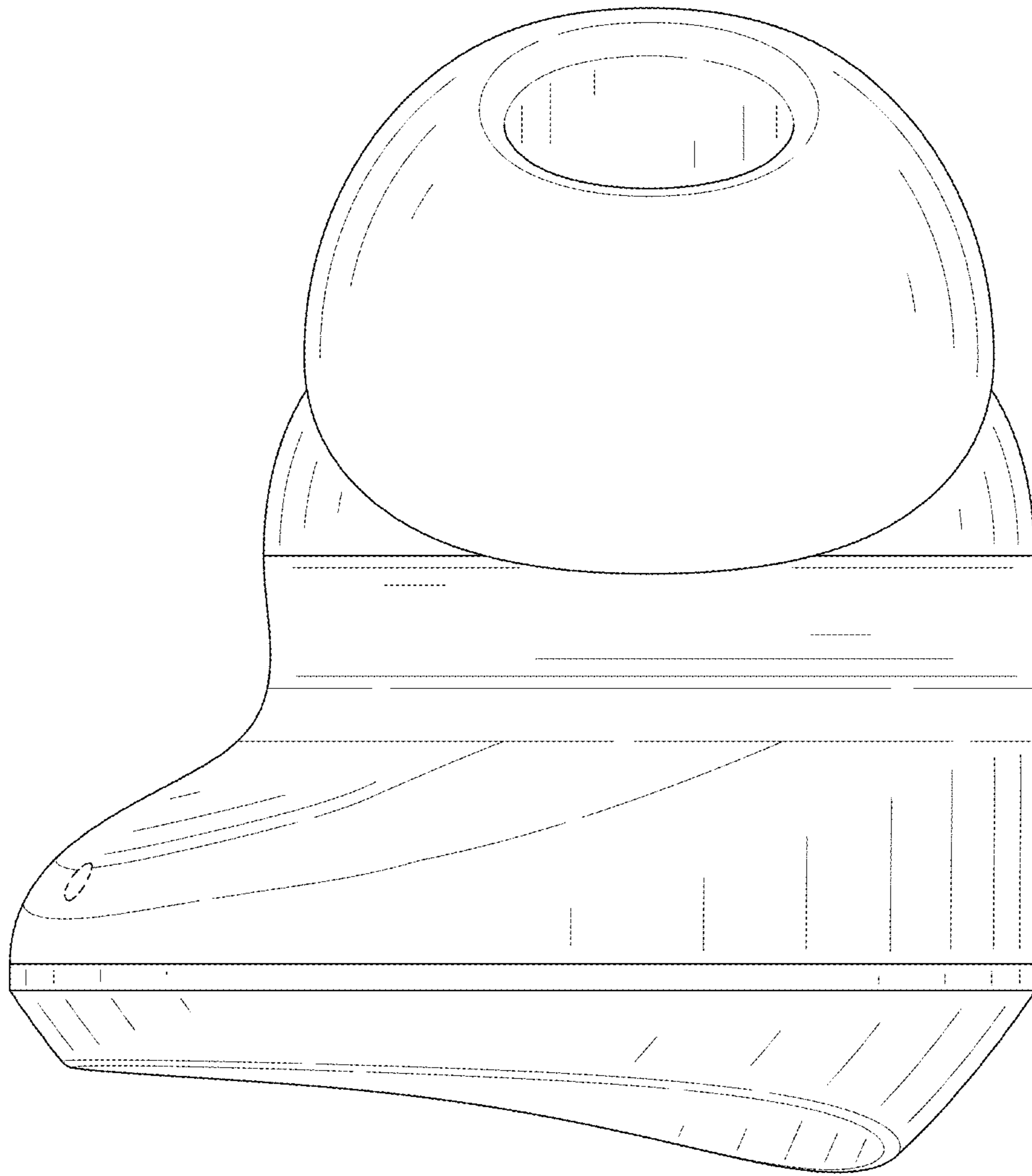


FIG. 3

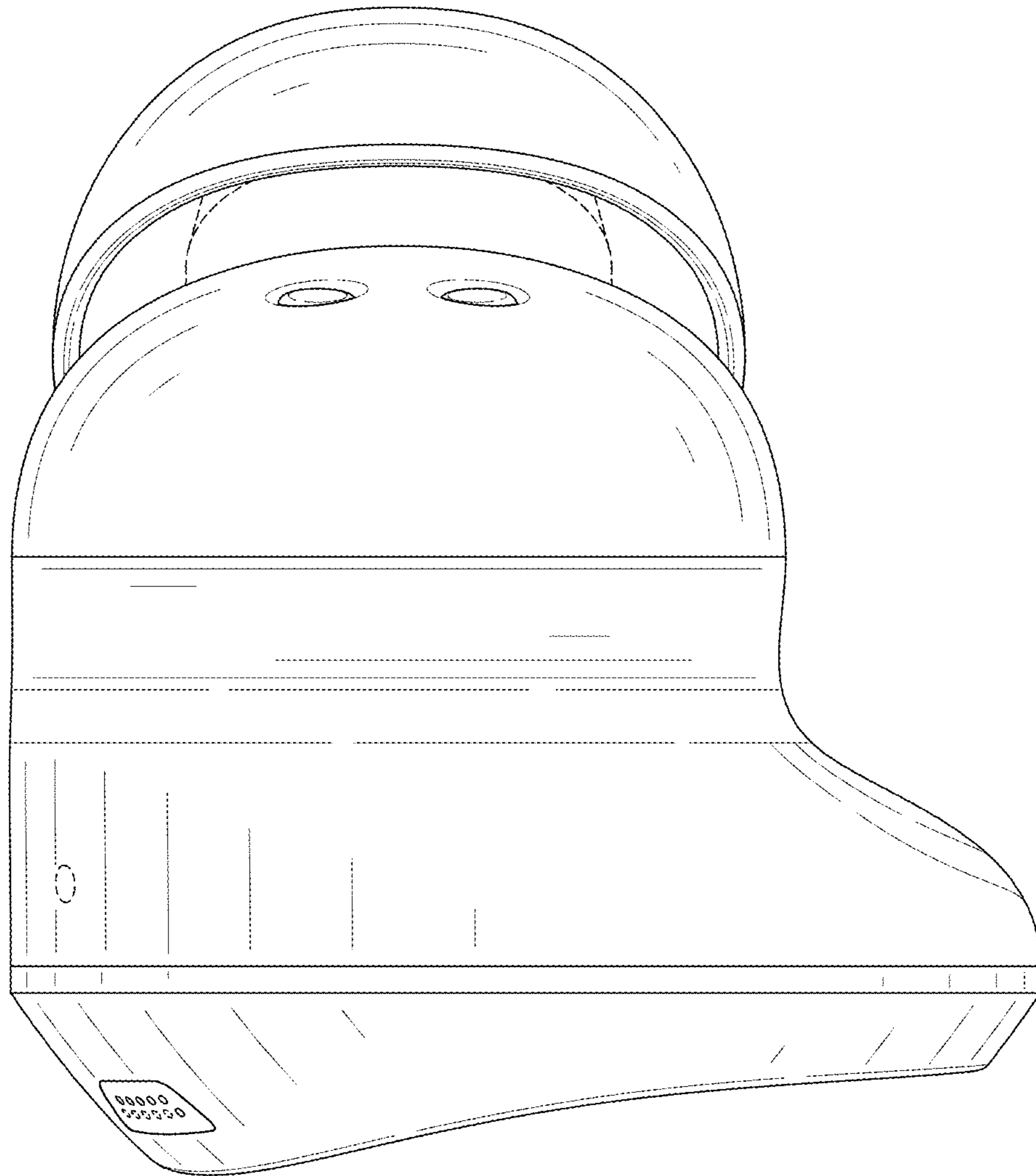


FIG. 4

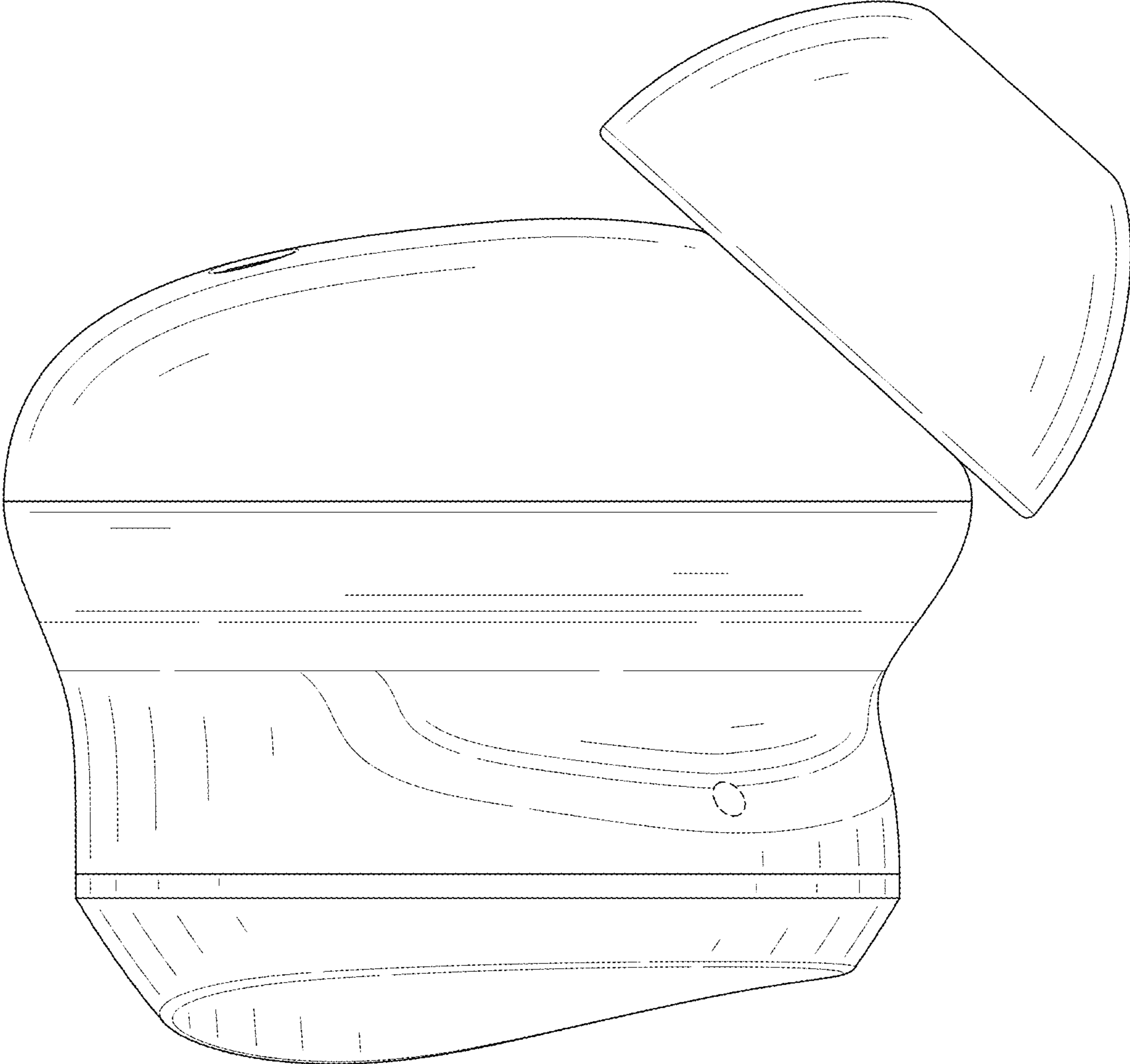


FIG. 5

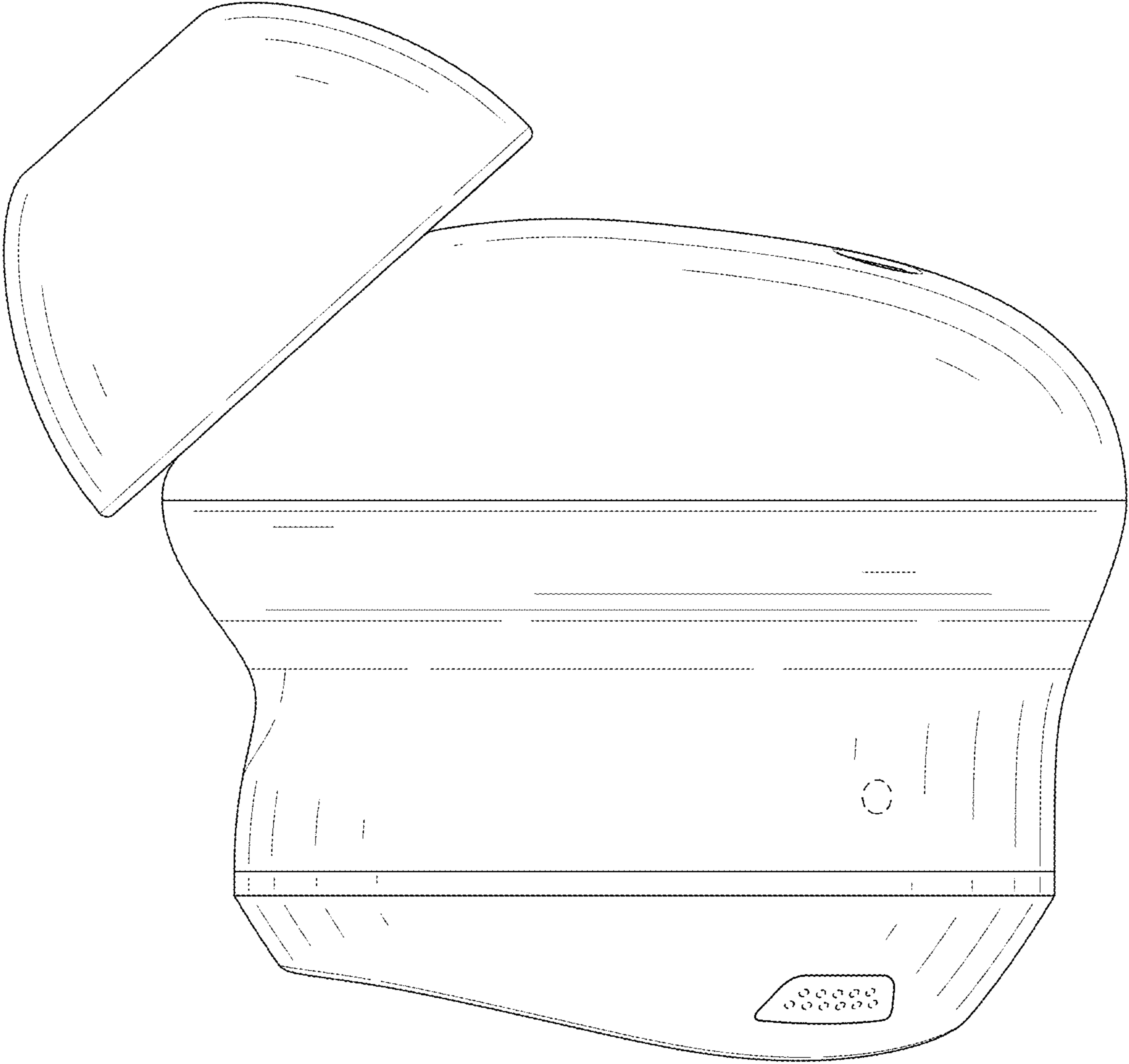


FIG. 6

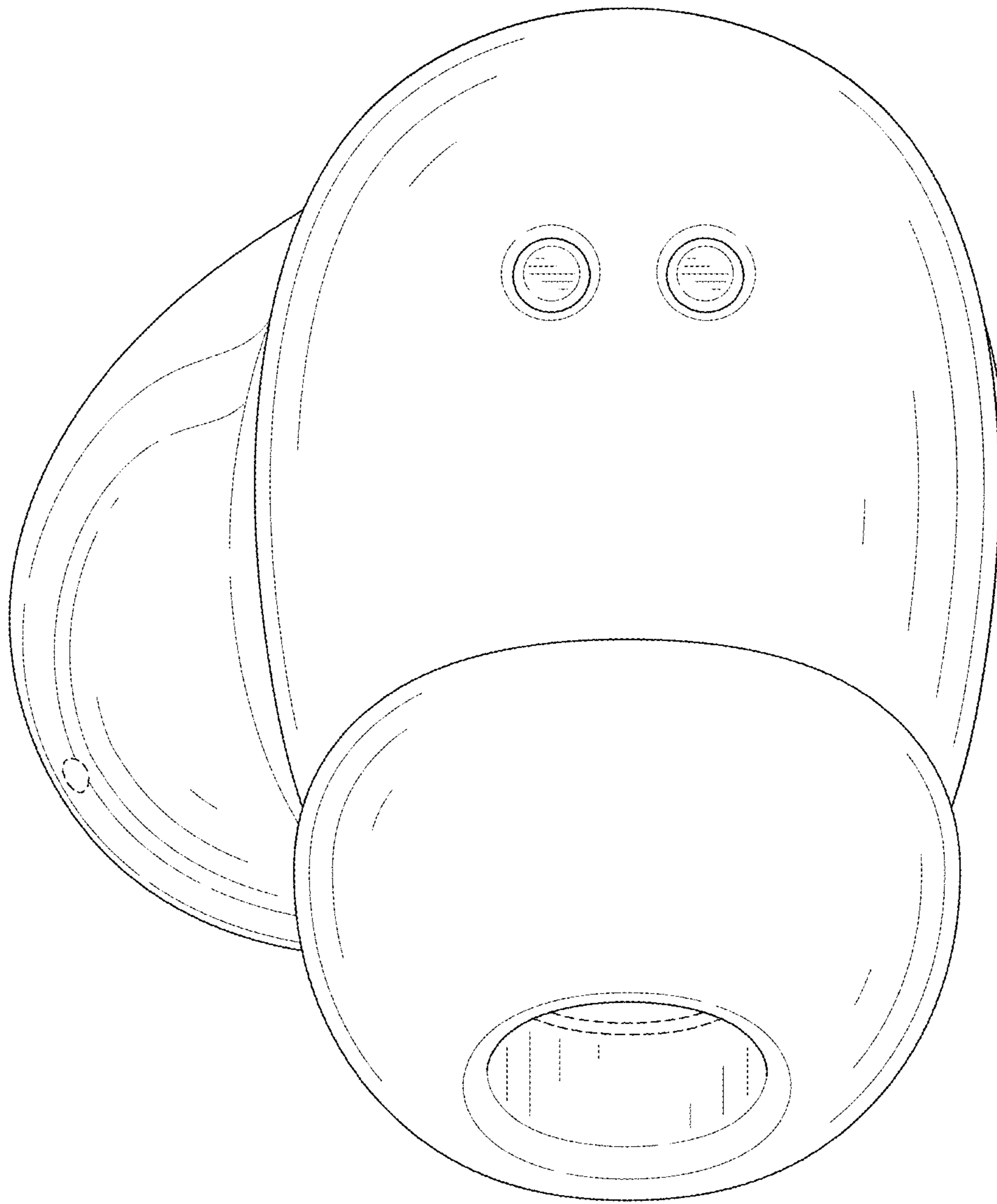


FIG. 7

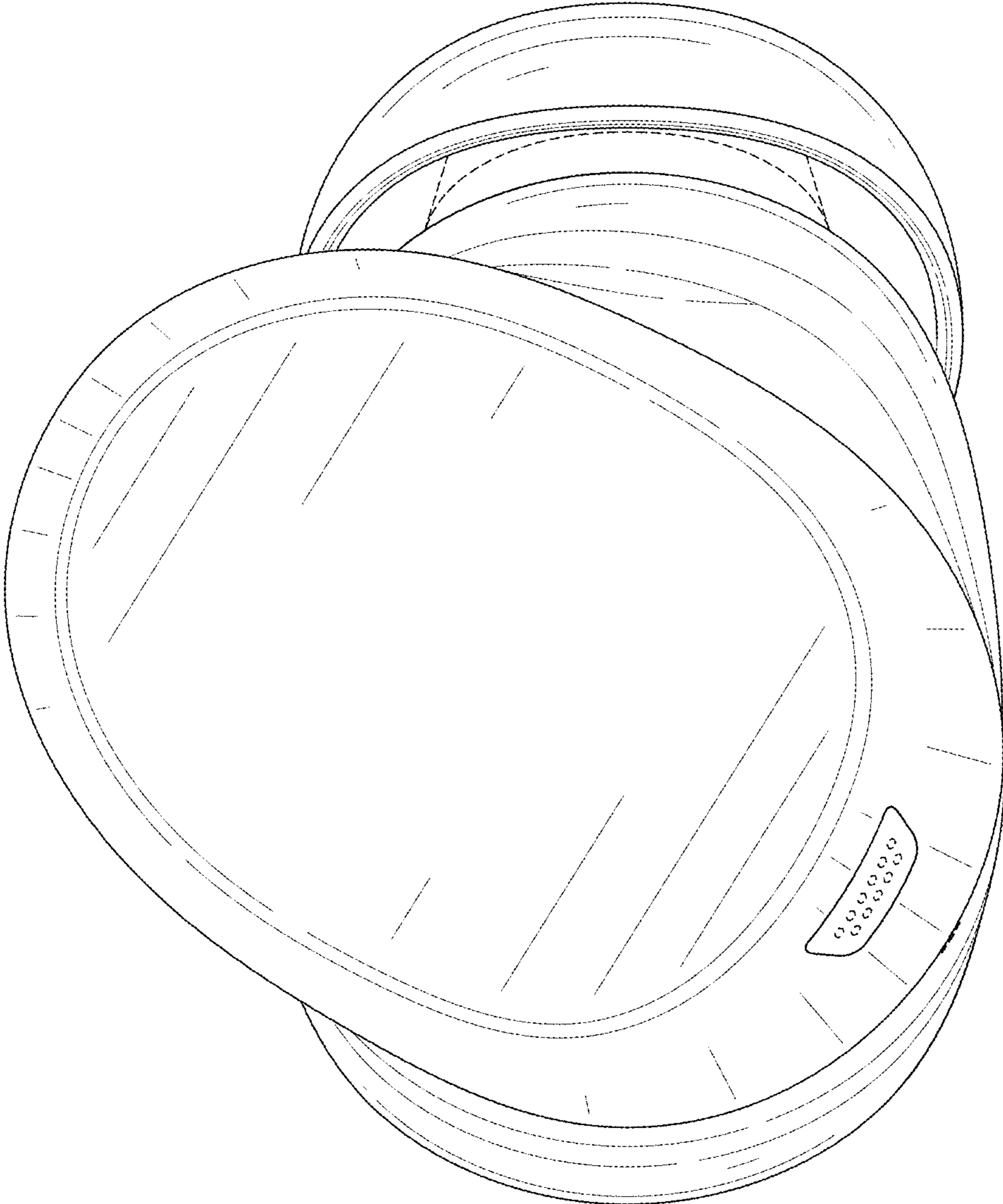


FIG. 8