



US00D907607S

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

(10) **Patent No.:** **US D907,607 S**  
(45) **Date of Patent:** **\*\* Jan. 12, 2021**

(54) **PAIR OF TRUE WIRELESS STEREO  
EARPHONES AND CHARGER SET**

(71) Applicant: **SHENZHEN VIMAI TECHNOLOGY  
CO., LIMITED**, Shenzhen (CN)

(72) Inventor: **Haijiao Deng**, Shenzhen (CN)

(73) Assignee: **SHENZHEN VIMAI TECHNOLOGY  
CO., LIMITED**, Shenzhen (CN)

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

(21) Appl. No.: **29/702,320**

(22) Filed: **Aug. 19, 2019**

(30) **Foreign Application Priority Data**

Jul. 12, 2019 (CN) ..... 2019 3 0370575

(51) **LOC (13) Cl.** ..... **14-01**

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

(58) **Field of Classification Search**

USPC ..... D14/223, 205, 224; D24/174; 128/866;  
D13/107, 108; D3/201, 294; D9/423,  
D9/420, 415, 414; 206/702, 38, 6;  
220/362, 8; 381/380, 381, 328;  
455/90.3, 575.1, 569.1  
CPC ..... H04R 1/10; H04R 25/00; H04R 1/1066;  
H04R 1/1016; H04R 5/033; H04R  
5/0335; H04R 1/1091; H02J 7/00; B65D  
55/02

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,371,557 A \* 3/1945 Sullivan ..... A45C 13/005  
220/830  
3,207,416 A \* 9/1965 Koltz ..... B65D 5/543  
229/225  
3,246,815 A \* 4/1966 Aronson ..... A61C 15/043  
225/44

(Continued)

**FOREIGN PATENT DOCUMENTS**

EM 006760708-0001 \* 8/2019  
EM 007699483-0001 \* 2/2020  
EM 008019160-0001 \* 6/2020

*Primary Examiner* — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — Workman Nydegger

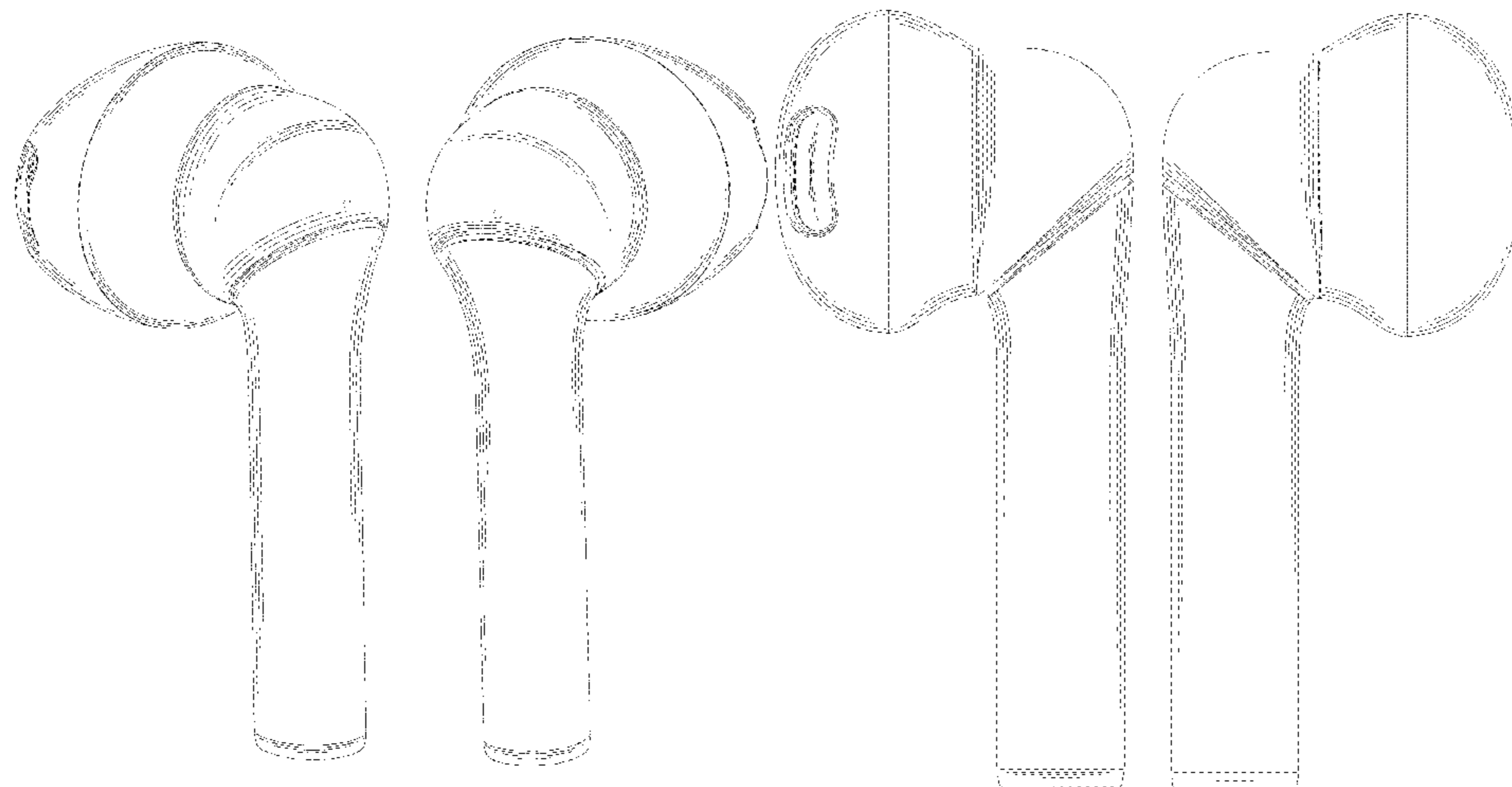
(57) **CLAIM**

The ornamental design for a pair of true wireless stereo earphones and charger set, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a pair of true wireless stereo earphones and charger set;  
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 perspective view of a pair of true wireless stereo earphones and charger set;  
FIG. 9 is a front view thereof;  
FIG. 10 is a rear view thereof;  
FIG. 11 is a left side view thereof;  
FIG. 12 is a right side view thereof;  
FIG. 13 is a top view thereof;  
FIG. 14 is a bottom view thereof;  
FIG. 15 is a use state view thereof; and,  
FIG. 16 is an assembled use state view of pair of true wireless stereo earphones and charger set.  
The broken lines in the figures depict portions of the pair of true wireless stereo earphones and charger set that form no part of the claimed design.

**1 Claim, 16 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

5,044,550 A \* 9/1991 Lamm ..... B65B 19/24  
229/160.1  
D336,281 S \* 6/1993 Nakamura ..... D13/107  
D338,336 S \* 8/1993 Grant ..... D27/161  
D400,009 S \* 10/1998 Conway ..... D3/265  
D425,299 S \* 5/2000 Charbonneau ..... D3/265  
D434,979 S \* 12/2000 Liu ..... D9/415  
D449,521 S \* 10/2001 Pinkus ..... D9/423  
D467,799 S \* 12/2002 Persson ..... D9/420  
D469,753 S \* 2/2003 Andre ..... D14/205  
D515,070 S \* 2/2006 Andre ..... D14/205  
D587,677 S \* 3/2009 Andre ..... D14/205  
D596,616 S \* 7/2009 Andre ..... D14/205  
D599,032 S \* 8/2009 Bucholtz ..... D24/224  
D599,330 S \* 9/2009 Andre ..... D14/223  
D633,086 S \* 2/2011 Chen ..... D14/223  
D639,279 S \* 6/2011 Andre ..... D14/223  
D649,658 S \* 11/2011 Belfance ..... D24/224  
D662,493 S \* 6/2012 Chen ..... D14/223  
D694,100 S \* 11/2013 Schneider ..... D9/420  
D711,857 S \* 8/2014 Burgett ..... D14/223  
D718,284 S \* 11/2014 Shibusawa ..... D14/223  
D728,533 S \* 5/2015 Poulsen ..... D14/223  
D729,775 S \* 5/2015 Seo ..... D14/223  
D738,864 S \* 9/2015 Lee ..... D14/223  
D741,287 S \* 10/2015 Harata ..... D14/205  
D757,682 S \* 5/2016 Perez ..... D14/205  
D770,412 S \* 11/2016 Son ..... D14/205  
D780,155 S \* 2/2017 Levine ..... D14/205  
D787,480 S \* 5/2017 Morris ..... D14/223  
D800,703 S \* 10/2017 Vaclavik ..... D14/223  
D801,314 S \* 10/2017 Akana ..... D14/223  
D804,806 S \* 12/2017 Stueckemann ..... D3/203.2  
D806,388 S \* 1/2018 Akana ..... D3/294  
D818,268 S \* 5/2018 Akana ..... D3/294  
D821,362 S \* 6/2018 Vaclavik ..... D14/223

D826,152 S \* 8/2018 Christiansen ..... D13/108  
D828,823 S \* 9/2018 Lin ..... D14/223  
D830,336 S \* 10/2018 Cai ..... D14/205  
D847,125 S \* 4/2019 Akana ..... D14/223  
D848,979 S \* 5/2019 Kim ..... D14/223  
D848,983 S \* 5/2019 Kim ..... D14/223  
D849,401 S \* 5/2019 Akana ..... D3/274  
D853,995 S \* 7/2019 Cai ..... D14/223  
D864,165 S \* 10/2019 Roberts ..... D14/223  
D865,720 S \* 11/2019 Deng ..... D14/223  
D869,445 S \* 12/2019 Hu ..... D14/223  
D870,552 S \* 12/2019 Chong ..... D9/420  
D878,337 S \* 3/2020 Yang ..... D14/223  
D883,260 S \* 5/2020 Hu ..... D14/223  
D883,960 S \* 5/2020 Du ..... D14/223  
D886,453 S \* 6/2020 Wright ..... D3/294  
D887,396 S \* 6/2020 Wang ..... D14/223  
D888,408 S \* 6/2020 Lee ..... D3/201  
D888,662 S \* 6/2020 Cramer ..... D13/108  
D888,691 S \* 6/2020 Liu ..... D14/223  
D889,436 S \* 7/2020 Zhang ..... D14/223  
D889,437 S \* 7/2020 Ando ..... D14/223  
D890,091 S \* 7/2020 Cramer ..... D13/108  
D890,138 S \* 7/2020 Peng ..... D14/223  
D890,724 S \* 7/2020 Li ..... D14/223  
D893,462 S \* 8/2020 Liu ..... D14/223  
D894,875 S \* 9/2020 Zhao ..... D14/223  
D895,579 S \* 9/2020 Yang ..... D14/223  
D895,582 S \* 9/2020 Wu ..... D14/223  
D896,206 S \* 9/2020 Xu ..... D14/223  
D896,207 S \* 9/2020 He ..... D14/223  
D896,788 S \* 9/2020 Akana ..... D14/223  
2007/0045358 A1 \* 3/2007 Arancibia ..... B65D 43/162  
222/566  
2015/0048088 A1 \* 2/2015 Giraud ..... B65D 83/0427  
220/315  
2019/0373354 A1 \* 12/2019 Sondergaard ..... H01R 13/562  
2020/0304896 A1 \* 9/2020 Cohen ..... H04R 1/1016

\* cited by examiner

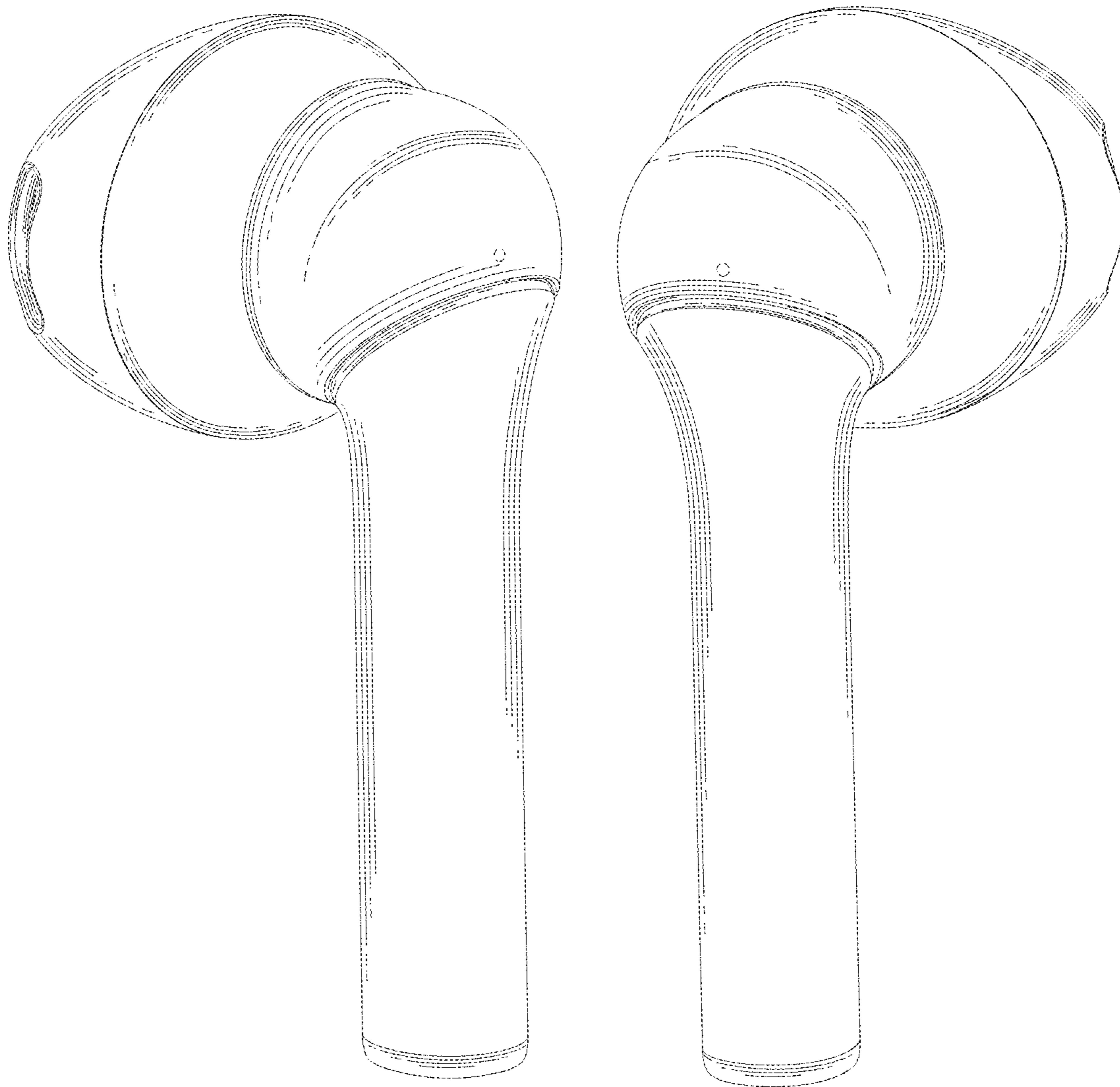


FIG. 1

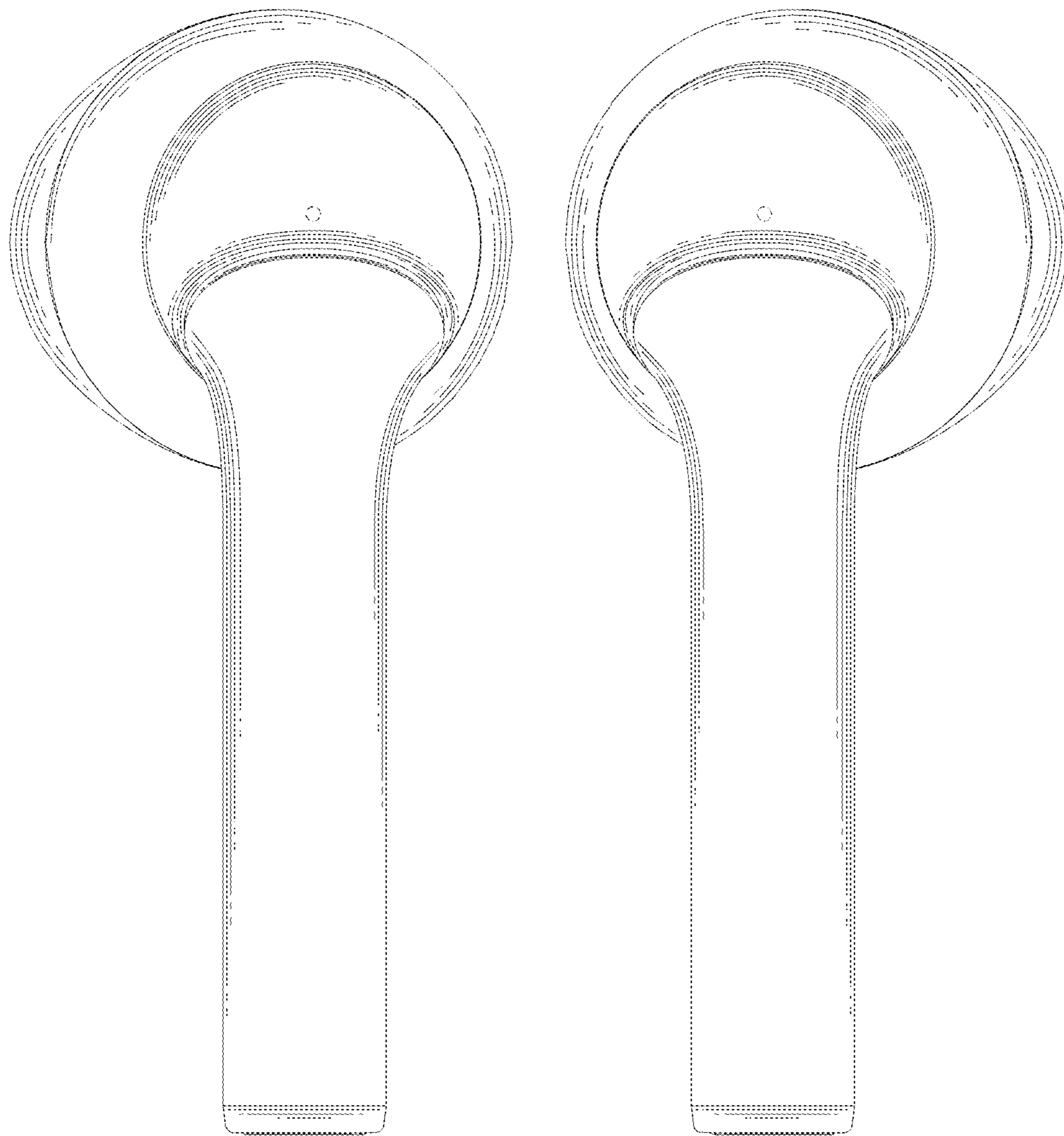


FIG. 2



FIG. 3

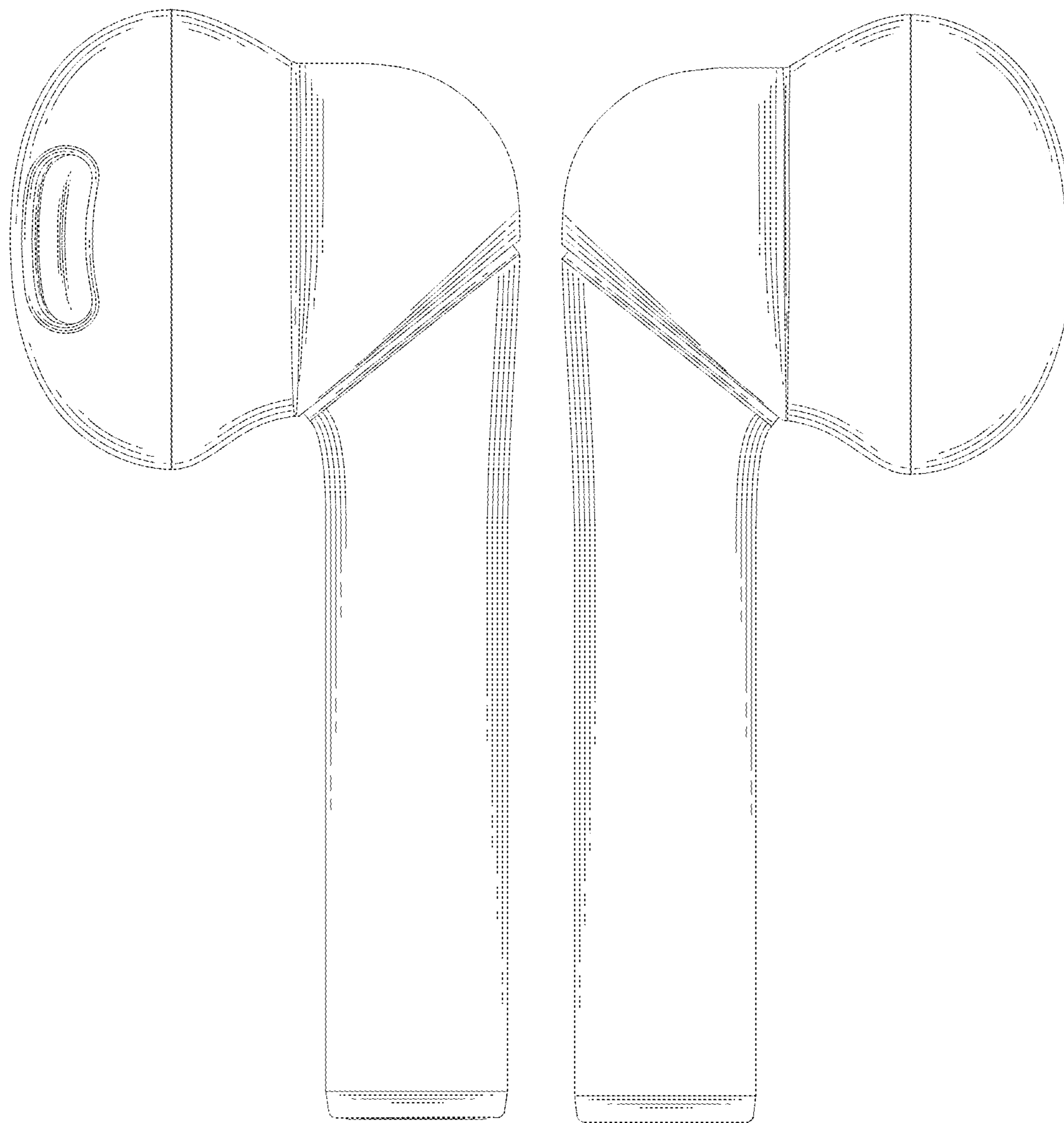


FIG. 4

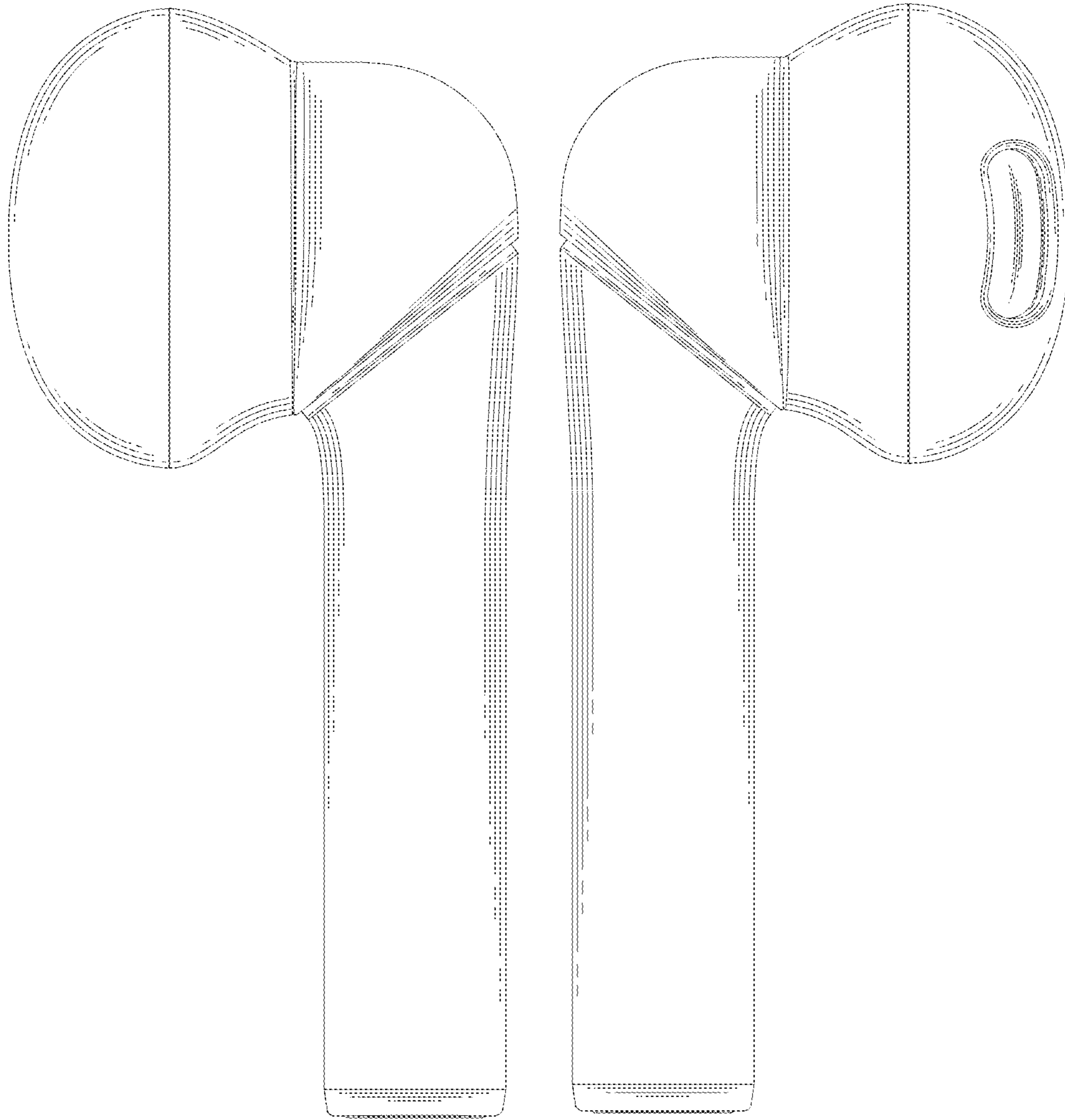


FIG. 5

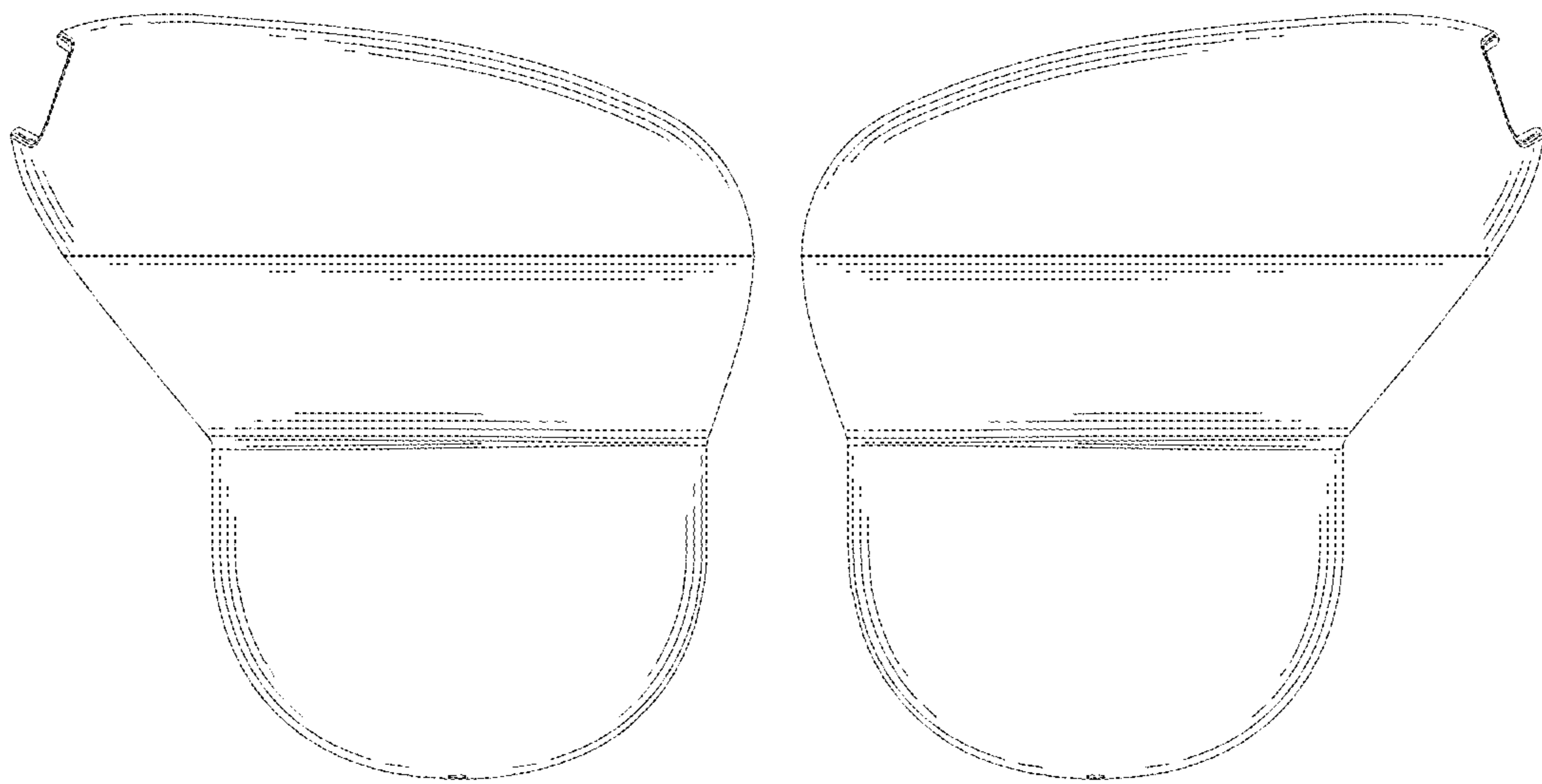


FIG. 6



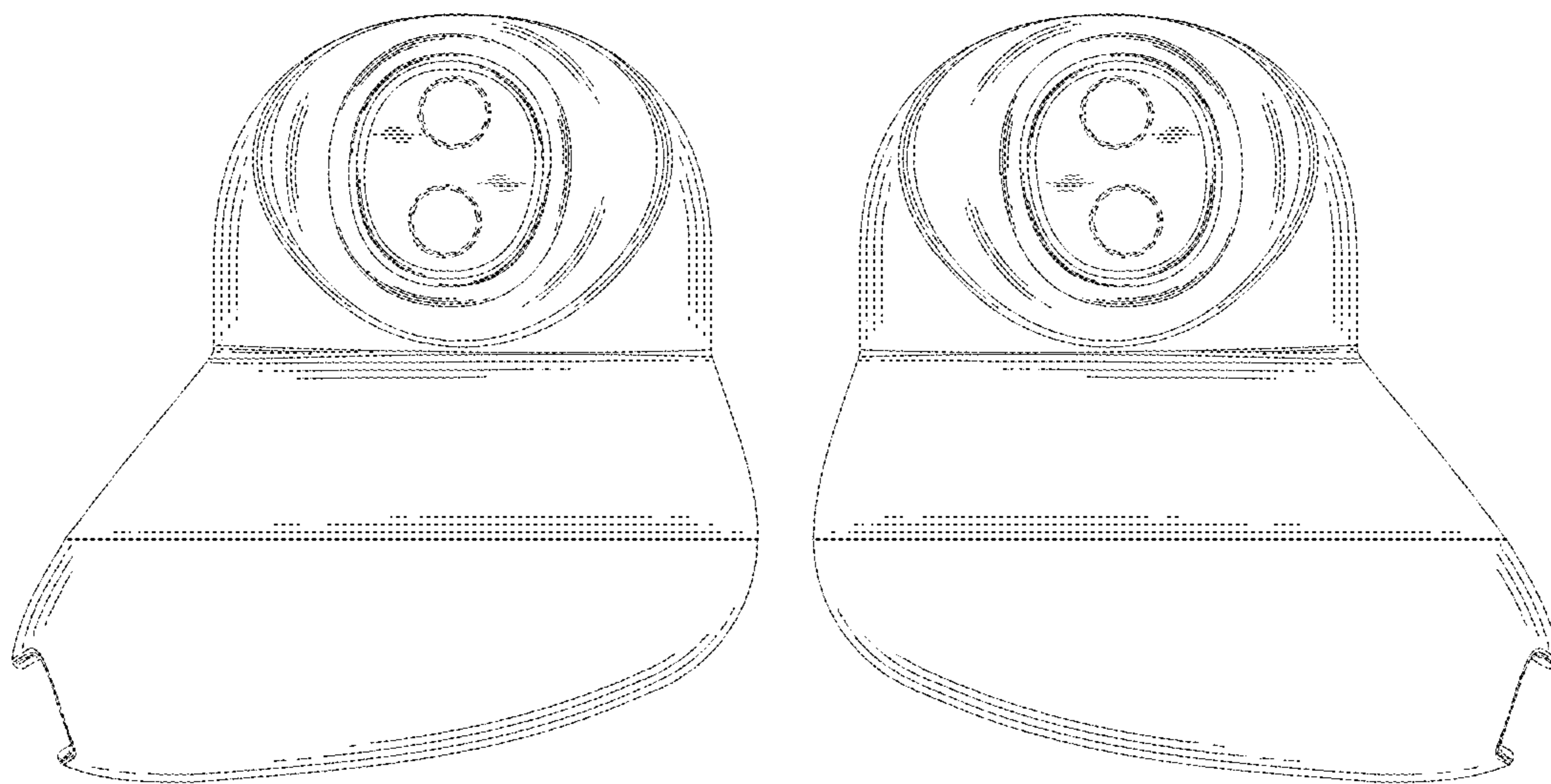


FIG. 7

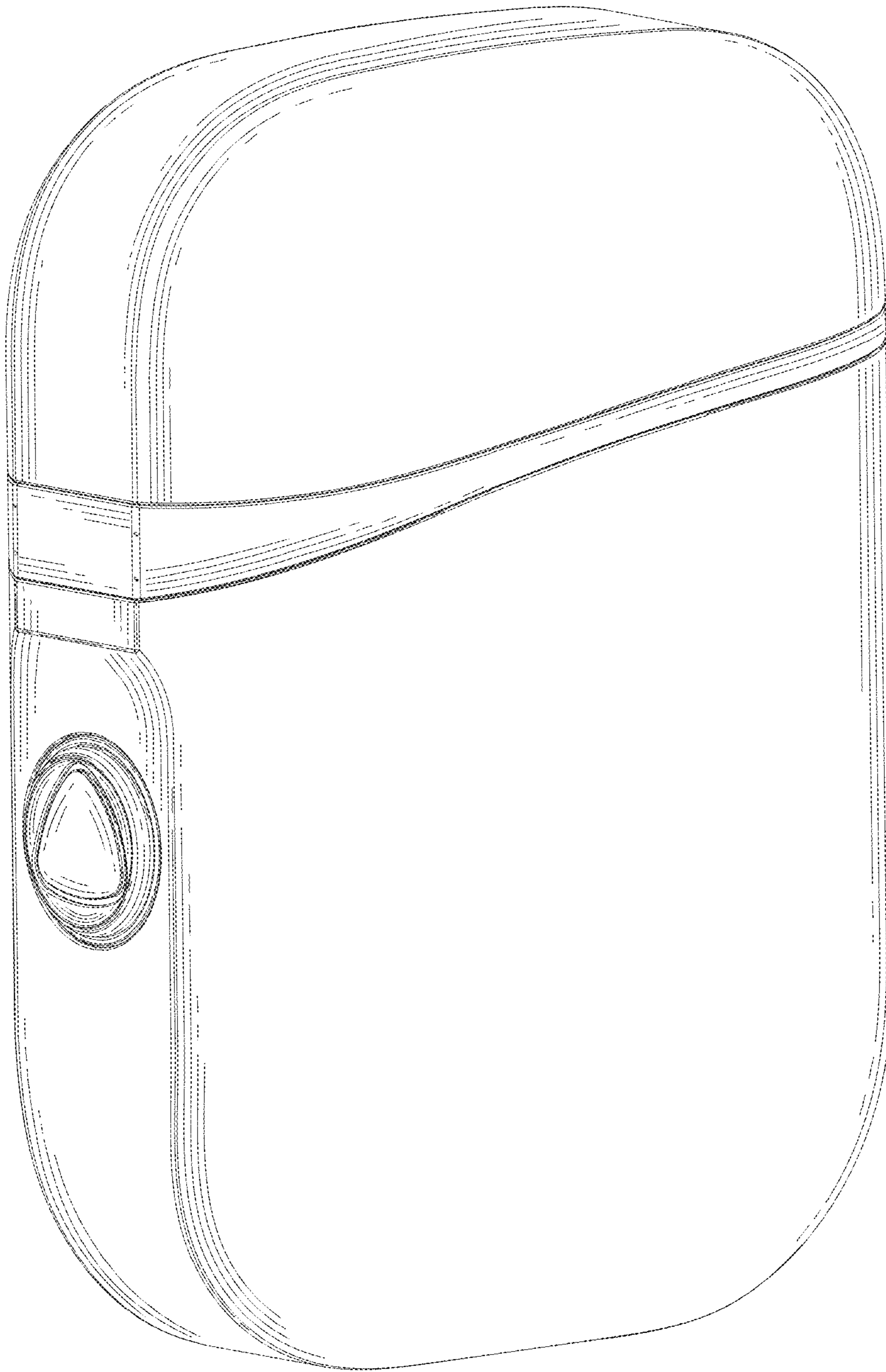


FIG. 8

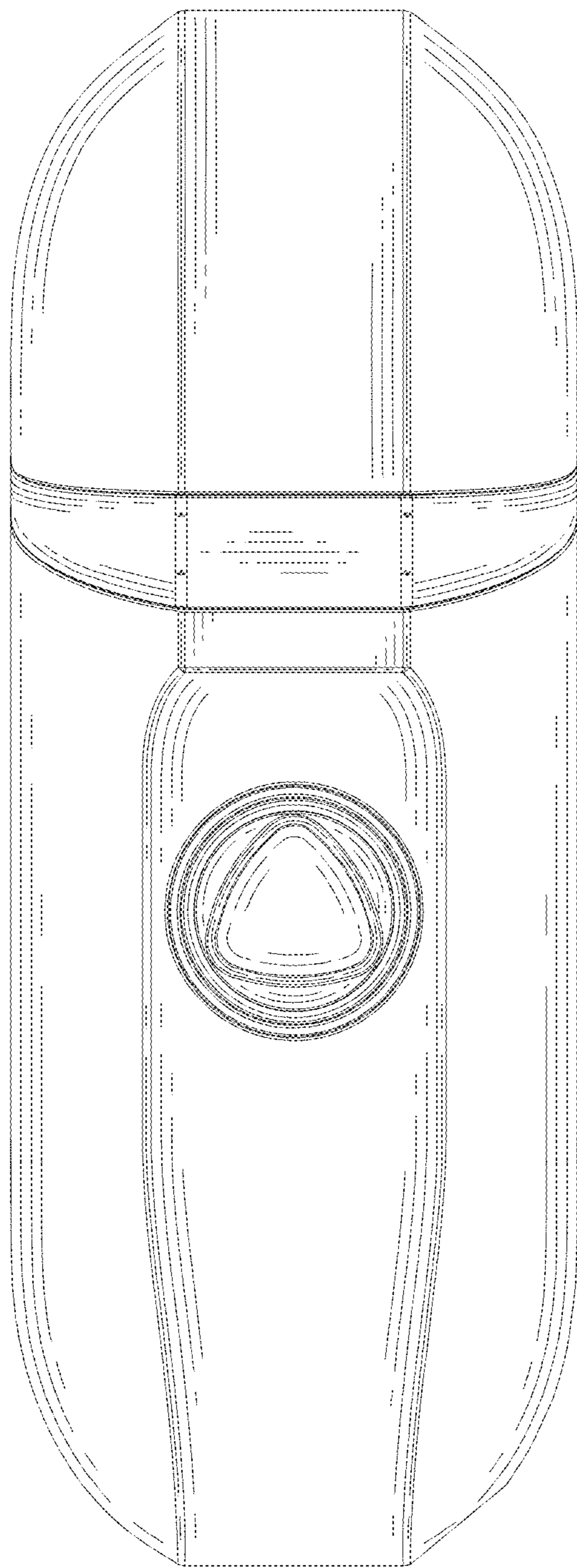


FIG. 9

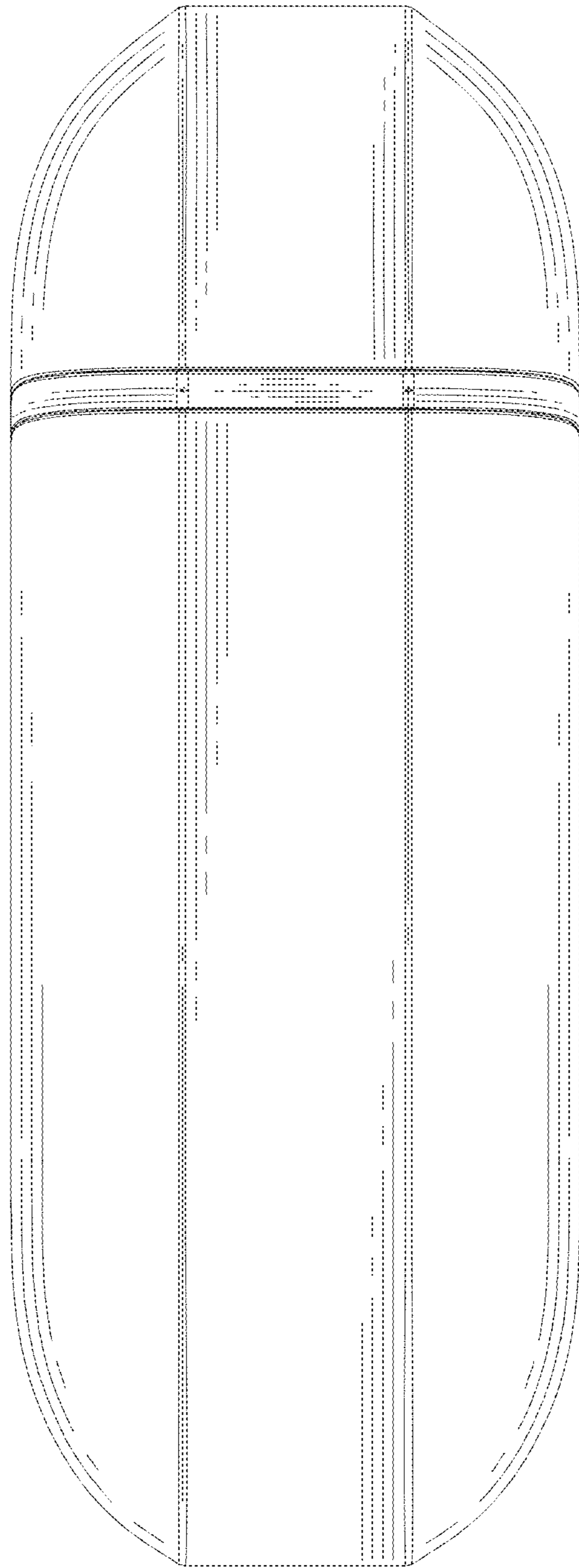


FIG. 10

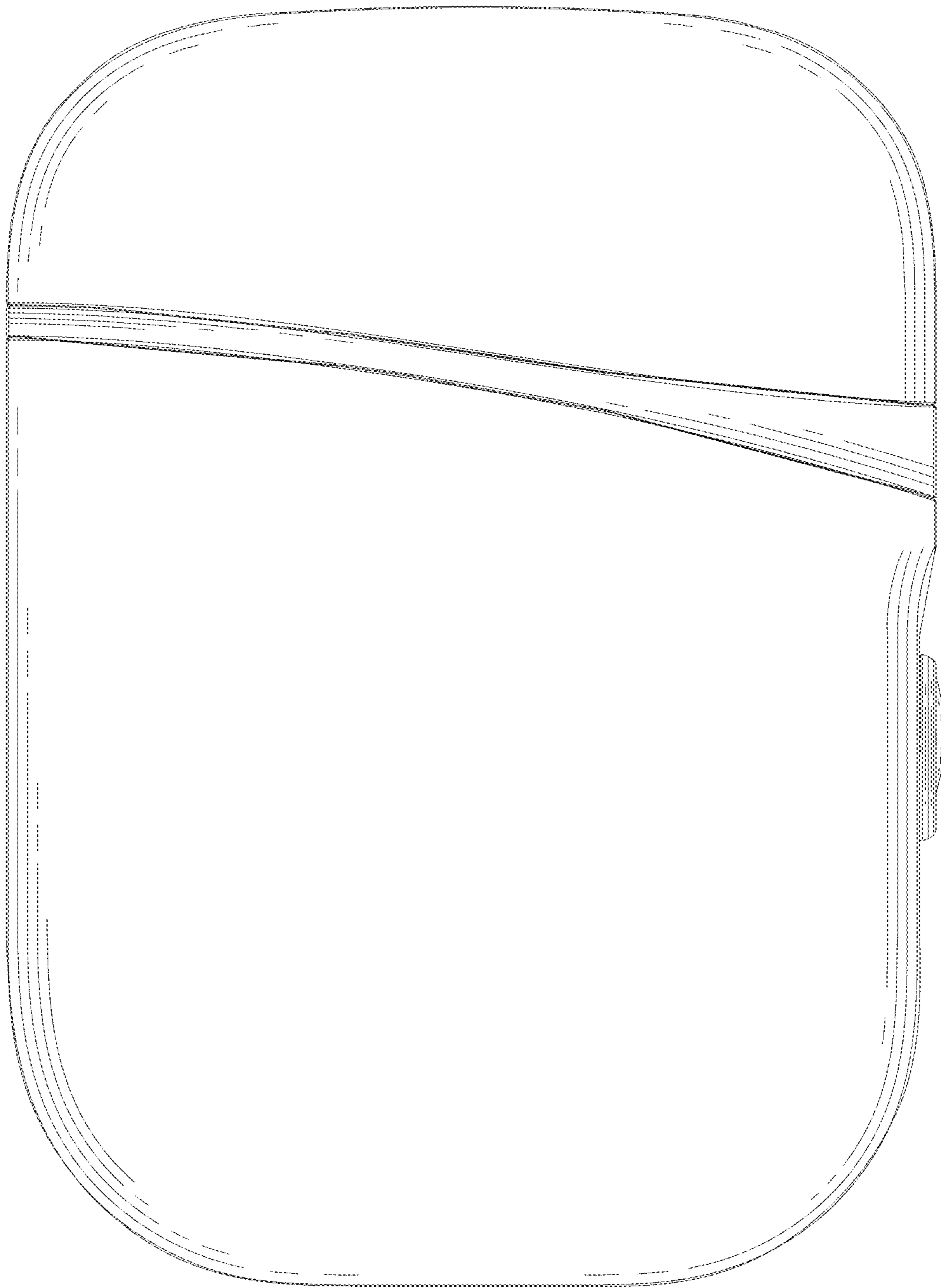


FIG. 11

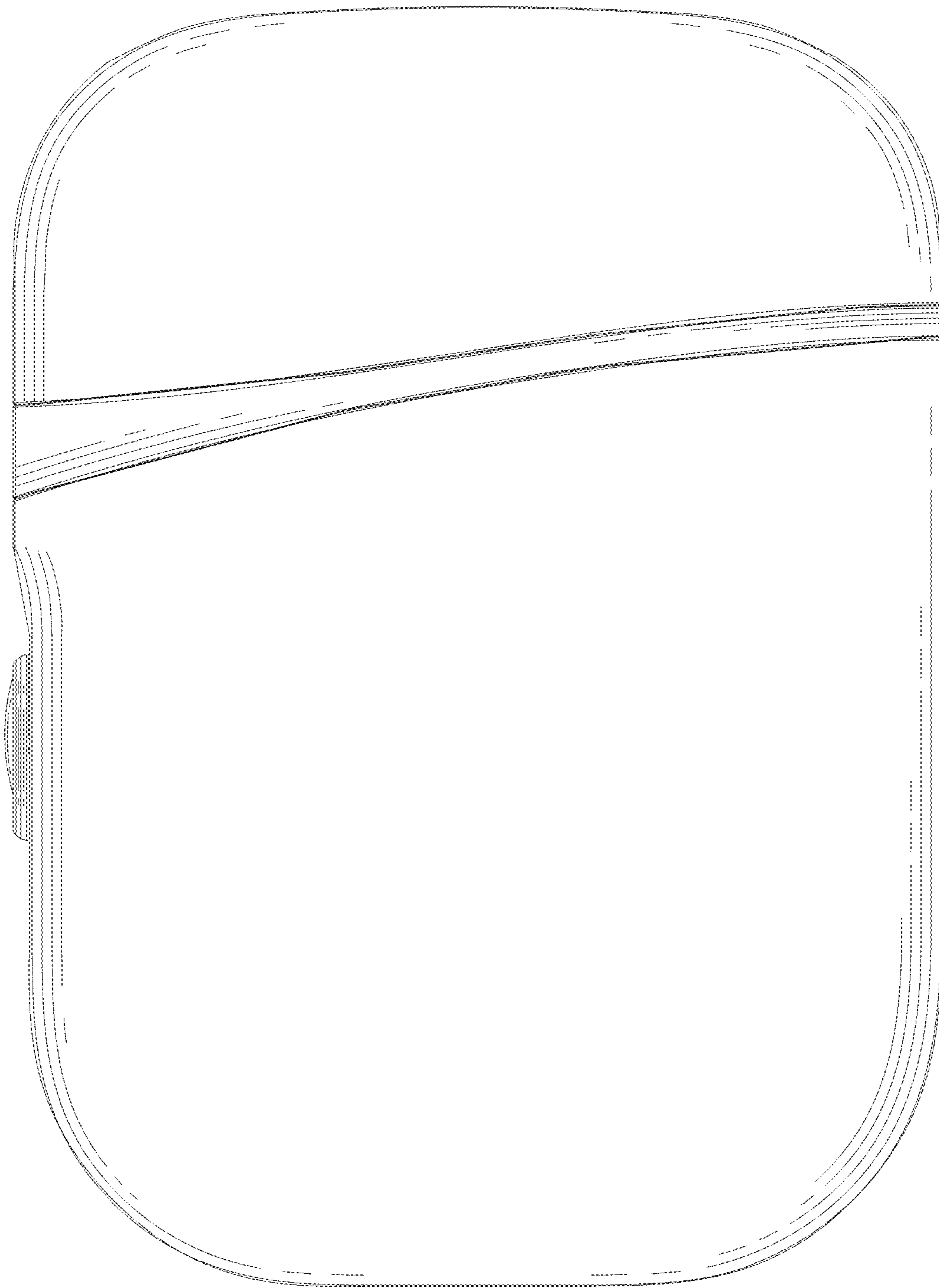


FIG. 12

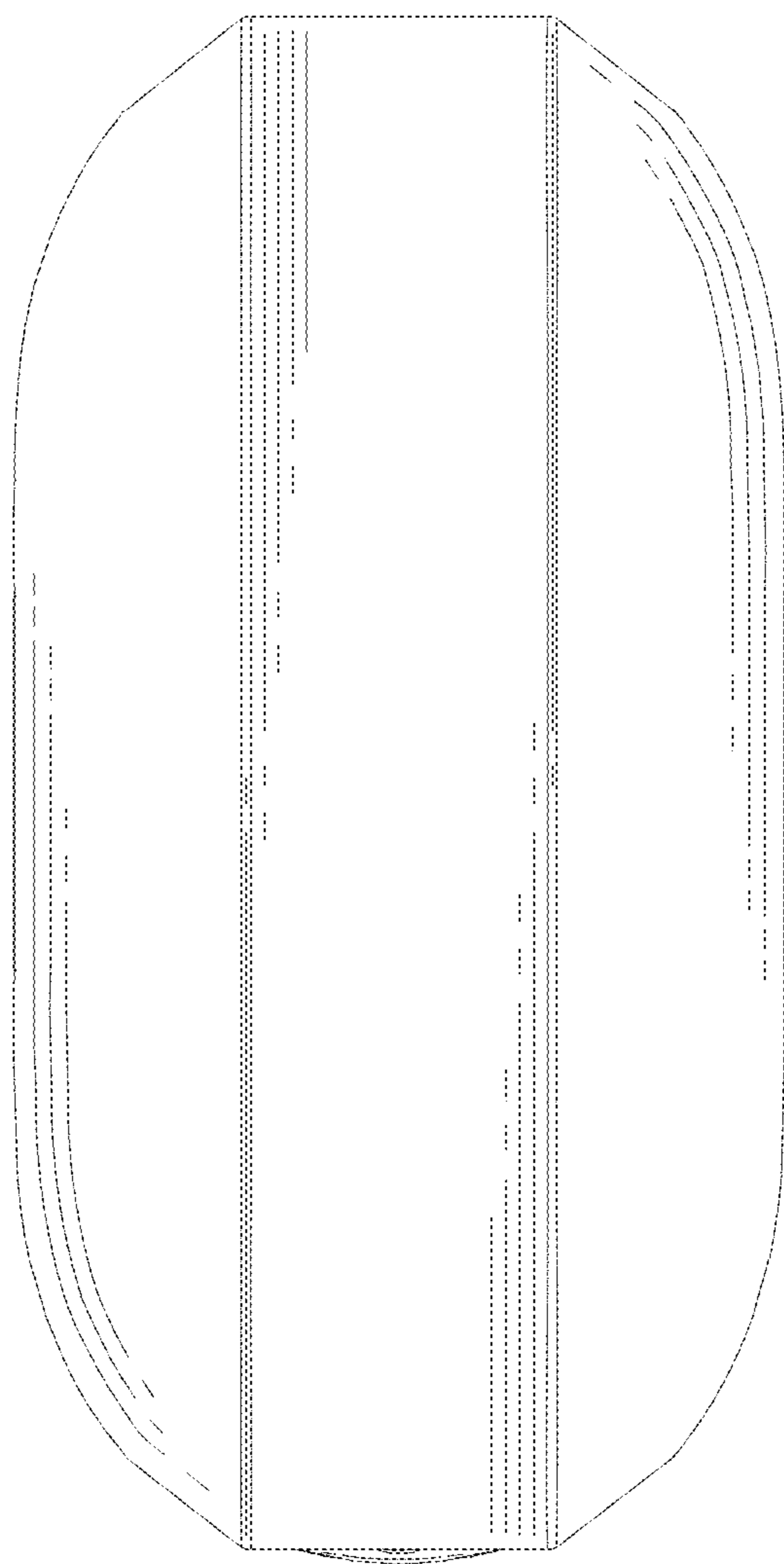


FIG. 13

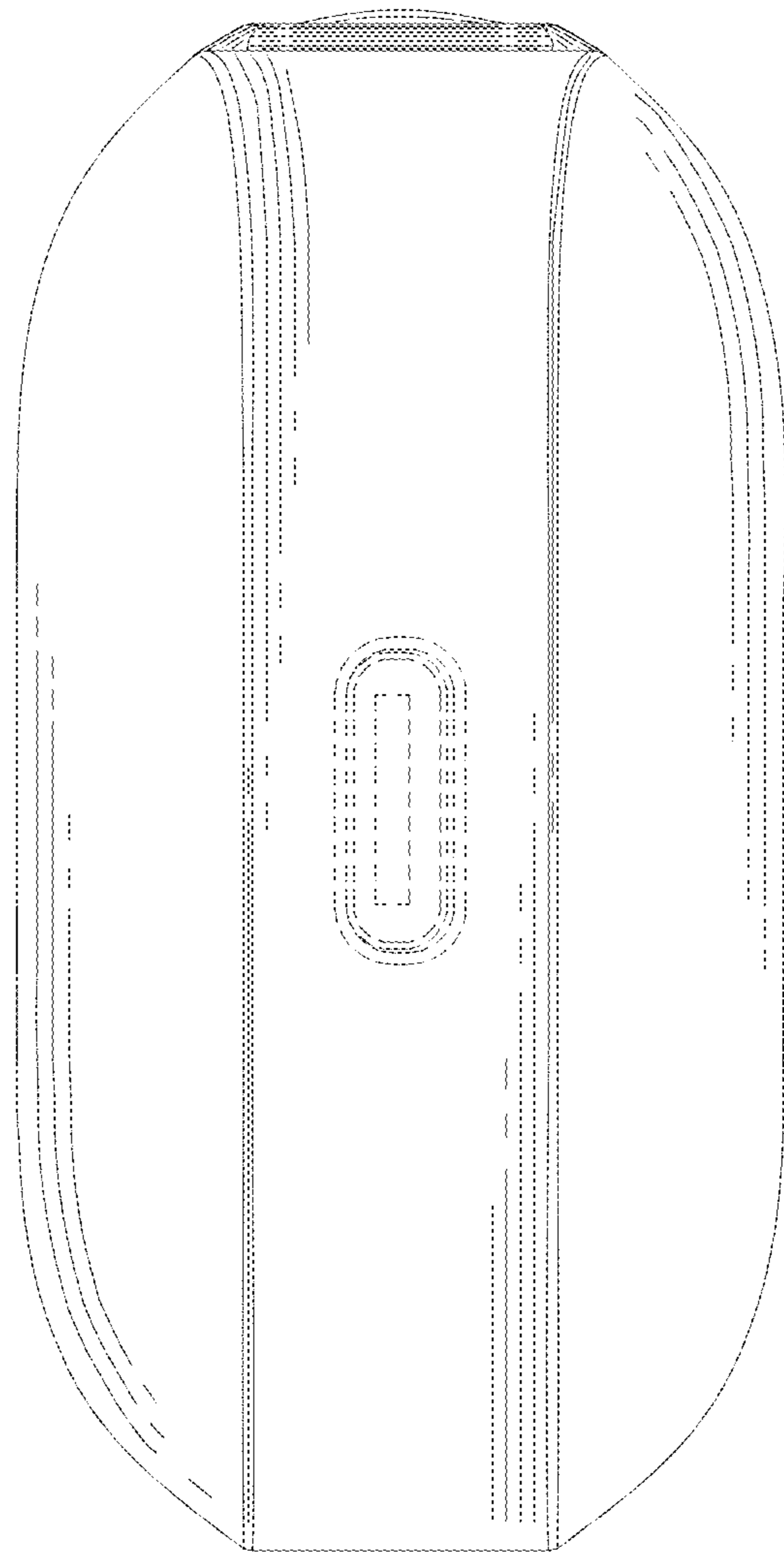


FIG. 14



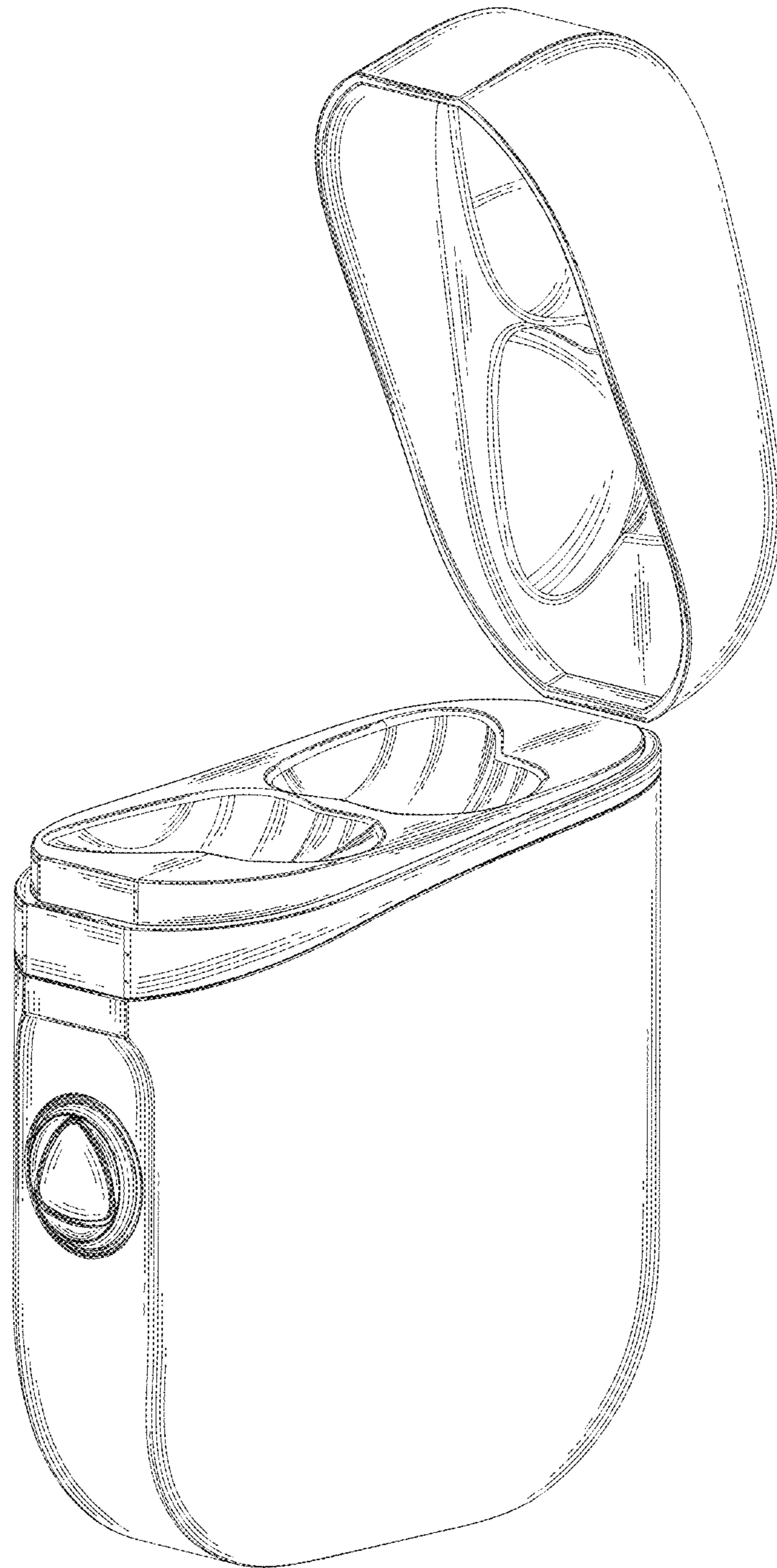


FIG. 15

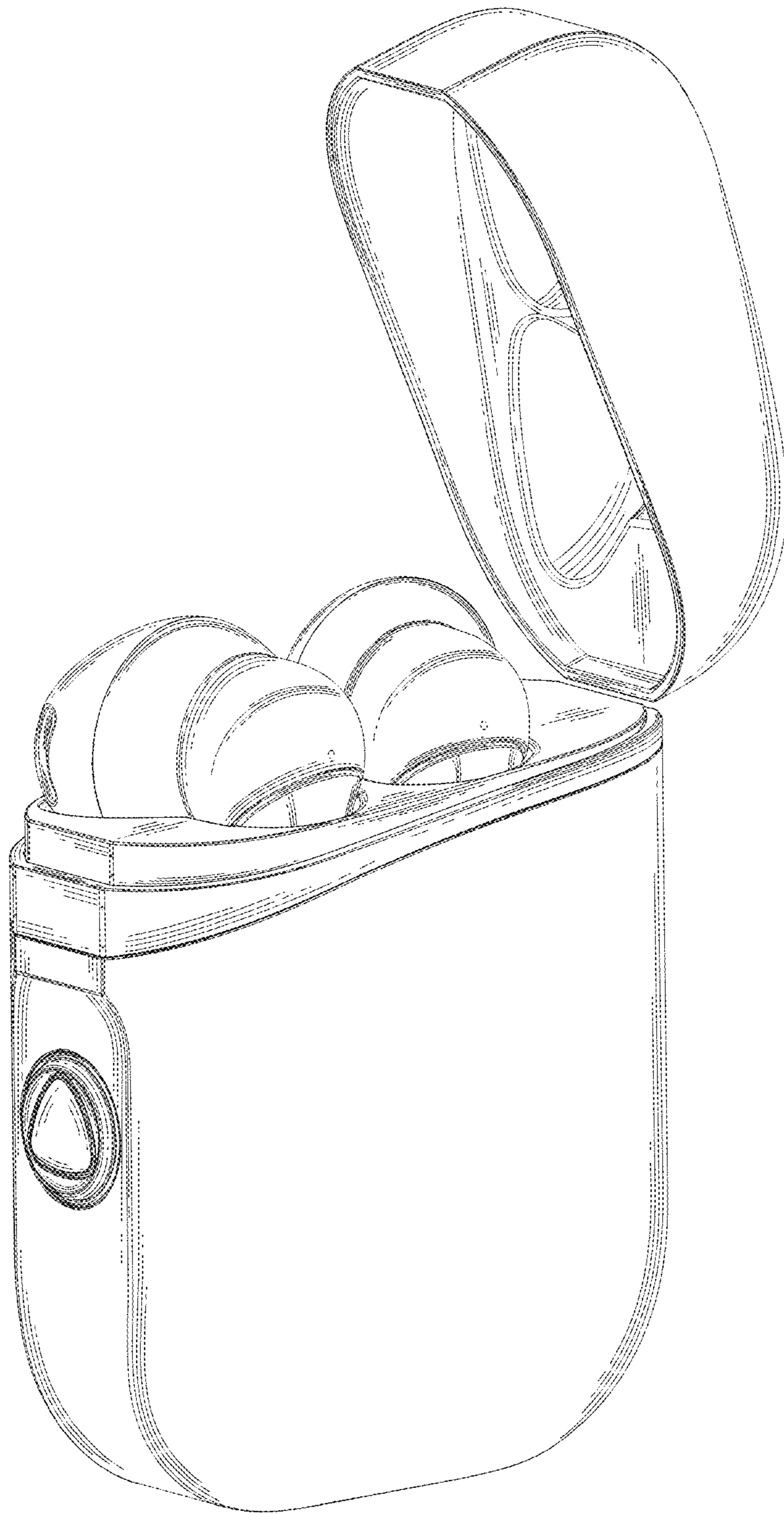


FIG. 16