



US00D906299S

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

(10) **Patent No.:** **US D906,299 S**
(45) **Date of Patent:** **** Dec. 29, 2020**

(54) **WIRELESS EARPHONES WITH CHARGER**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **HONG KONG GLEEMAN ENTERPRISES COMPANY LIMITED**, Hong Kong (CN)

CN 306011255 * 8/2020
CN 306052836 * 9/2020

(Continued)

Primary Examiner — Paula Allen Greene

(72) Inventor: **Chuhao Luo**, Hong Kong (CN)

(57) **CLAIM**

(73) Assignee: **HONG KONG GLEEMAN ENTERPRISES COMPANY LIMITED**, Hong Kong (CN)

The ornamental design for wireless earphones with charger, as shown and described.

DESCRIPTION

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

FIG. 1 is a perspective view of a charger, of the wireless earphones with charger, shown separately for ease of illustration;

(21) Appl. No.: **29/734,729**

FIG. 2 is another perspective view thereof;

(22) Filed: **May 15, 2020**

FIG. 3 is a front elevational view thereof;

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

FIG. 4 is a rear elevational view thereof;

(52) **U.S. Cl.**

FIG. 5 is a left side elevational view thereof;

USPC **D14/223**

FIG. 6 is a right side elevational view thereof;

(58) **Field of Classification Search**

FIG. 7 is a top plan view thereof;

USPC D14/223, 205, 224; D13/108; D3/201, D3/295, 294; D9/424, 529, 420, 521, D9/734; D28/76, 66, 78, 83; 132/301, 132/295; 206/702; 220/4.22; D24/174; 128/866; 381/380, 381, 328, 323; 320/107, 110; 455/90.3, 575.1, 569.1, 455/573, 575.2

FIG. 8 is a bottom plan view thereof;

(Continued)

FIG. 9 is a perspective view of wireless earphones, of the wireless earphones and charger, shown separately for ease of illustration;

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,509,462 A * 5/1950 Vogel E05F 1/1215
220/830
3,246,815 A * 4/1966 Aronson A61C 15/043
225/44

FIG. 10 is another perspective view thereof;

FIG. 11 is a front elevational view thereof;

FIG. 12 is a rear elevational view thereof;

FIG. 13 is a left side elevational view thereof;

FIG. 14 is a right side elevational view thereof;

FIG. 15 is a top plan view thereof;

FIG. 16 is a bottom plan view thereof;

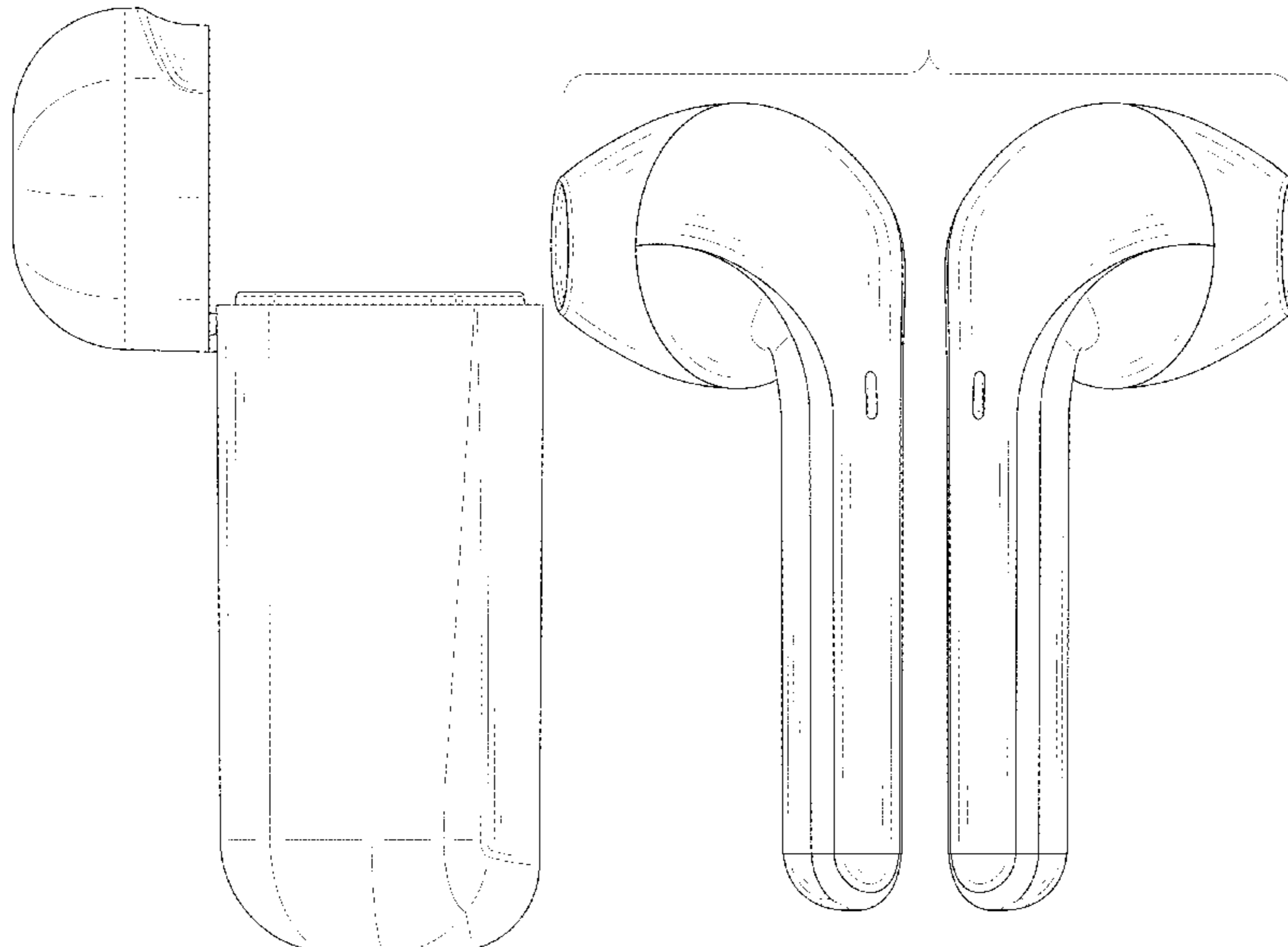
FIG. 17 is a perspective view of the wireless earphones with charger where the wireless earphones are received in the charger; and,

FIG. 18 is a perspective view of the wireless earphones with charger where the charger is in a closed position thereof.

The broken lines in the drawings depict portions of the wireless earphones with charger that form no part of the claimed design.

(Continued)

1 Claim, 18 Drawing Sheets



- (58) **Field of Classification Search**
 CPC H02J 7/00034; H04R 1/10; H04R 25/00;
 H04R 25/02; H04R 1/1066; H04R
 1/1016; B65D 5/00; B65D 43/02; B65D
 25/10
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,497,907 A * 3/1970 Colina F16C 11/04
 16/257
 4,150,779 A * 4/1979 Hilbrands A45C 11/24
 220/829
 4,471,881 A * 9/1984 Foster B65D 43/168
 220/828
 D395,600 S * 6/1998 Borghorst D9/432
 D399,604 S * 10/1998 Wolff D28/66
 6,131,760 A * 10/2000 Huang B65D 25/04
 220/326
 6,530,498 B1 * 3/2003 Ovadia A45C 13/007
 16/286
 6,837,372 B1 * 1/2005 Aramaki B65D 43/162
 206/308.3
 D518,477 S * 4/2006 Chen D14/205
 D533,077 S * 12/2006 Born D9/724
 D551,216 S * 9/2007 Wei D14/223
 D569,720 S * 5/2008 Lablaine D9/420
 D593,537 S * 6/2009 Arimoto D14/205
 D641,738 S * 7/2011 Perez D14/223
 D652,823 S * 1/2012 Chen H04R 1/1016
 D14/223
 D656,092 S * 3/2012 Nomi D13/107
 D662,493 S * 6/2012 Chen D14/223
 D671,531 S * 11/2012 Kim D14/223
 D675,803 S * 2/2013 Yang D34/7
 D681,015 S * 4/2013 Akana H04R 1/10
 D14/223
 D695,605 S * 12/2013 Johnson D9/423
 D695,721 S * 12/2013 Thompson D14/223
 D707,206 S * 6/2014 Akana H04R 1/10
 D14/223
 D711,857 S * 8/2014 Burgett D14/223
 D718,284 S * 11/2014 Shibusawa D14/223
 D732,007 S * 6/2015 Oksman D14/223
 D732,008 S * 6/2015 Akana H04R 1/10
 D14/223
 D738,864 S * 9/2015 Lee D14/223
 D741,287 S * 10/2015 Harata D14/205
 D770,412 S * 11/2016 Son D14/205
 D789,785 S * 6/2017 Fujiwara D9/424
 D790,335 S * 6/2017 Honings D9/424
 D801,304 S * 10/2017 Kiafoulis D14/214
 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
 D820,809 S * 6/2018 Akana D14/205
 D830,336 S * 10/2018 Cai D14/205
 D830,345 S * 10/2018 Cai D14/223
 D832,824 S * 11/2018 Kim D14/223
 D838,480 S * 1/2019 Son D3/294
 D841,581 S * 2/2019 Bonahoom D13/108
 D843,937 S * 3/2019 Xiao D13/108
 D846,264 S * 4/2019 Wu D3/201
 D847,125 S * 4/2019 Akana D14/223
 D847,794 S * 5/2019 Guo D14/223
 D849,401 S * 5/2019 Akana D3/274
 D853,116 S * 7/2019 Bergman D3/294
 D853,357 S * 7/2019 Li D14/217
 D853,995 S * 7/2019 Cai D14/223
 D864,169 S * 10/2019 Min D14/223
 D868,453 S * 12/2019 Lee D3/201
 D869,445 S * 12/2019 Hu D14/223
 D870,451 S * 12/2019 Birger D3/201
 D877,722 S * 3/2020 Yang D14/223
 D878,045 S * 3/2020 Akana D3/274
 D878,337 S * 3/2020 Yang D14/223
 D881,572 S * 4/2020 Wang D3/294
 D882,553 S * 4/2020 Wu D14/223
 D884,682 S * 5/2020 Du D14/223
 D885,373 S * 5/2020 Lundback D14/223
 D886,453 S * 6/2020 Wright D3/294
 D886,455 S * 6/2020 Williamson D3/294
 D888,408 S * 6/2020 Lee D3/201
 D889,436 S * 7/2020 Zhang D14/223
 D889,437 S * 7/2020 Ando D14/223
 D890,725 S * 7/2020 Liu
 D892,498 S * 8/2020 Wright D3/294
 D893,184 S * 8/2020 Liu D3/294
 D893,462 S * 8/2020 Liu D14/223
 D895,582 S * 9/2020 Wu D14/223
 D896,207 S * 9/2020 He D14/223
 D896,788 S * 9/2020 Akana D14/223
 D897,997 S * 10/2020 Zhang D14/223
 D898,664 S * 10/2020 Bhutani D13/108
 D901,457 S * 11/2020 Zhang D14/223
 2008/0090622 A1 * 4/2008 Kim H04M 1/05
 455/573
 2012/0237074 A1 * 9/2012 Aase H04R 1/1075
 381/380
 2016/0360350 A1 * 12/2016 Watson H04L 67/16
 2020/0068285 A1 * 2/2020 Dang H04R 1/028

FOREIGN PATENT DOCUMENTS

CN 306098205 * 10/2020
 CN 306100757 * 10/2020
 CN 306128833 * 10/2020
 CN 306140862 * 10/2020
 EM 008236798-0001 * 11/2020

* cited by examiner

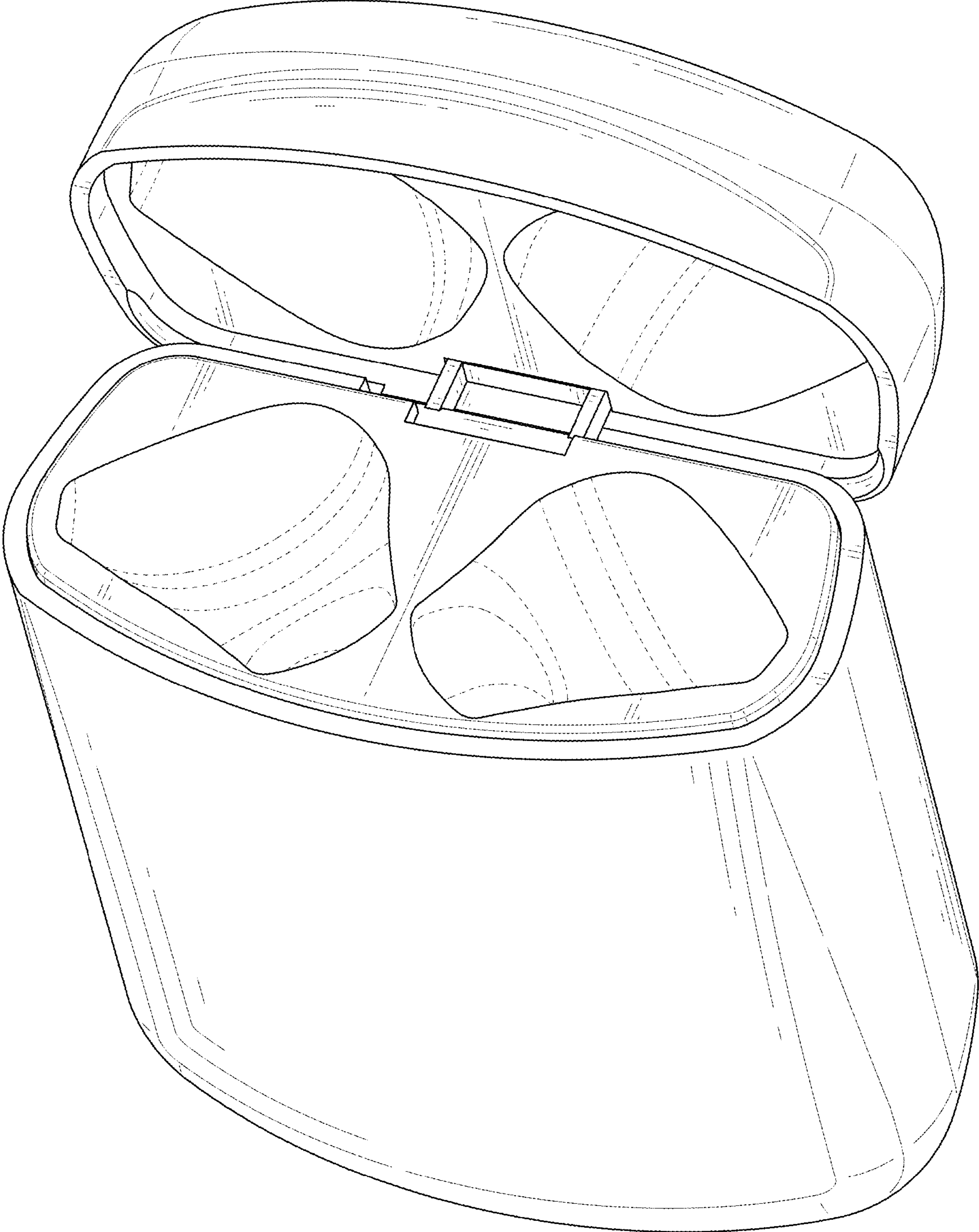


FIG. 1

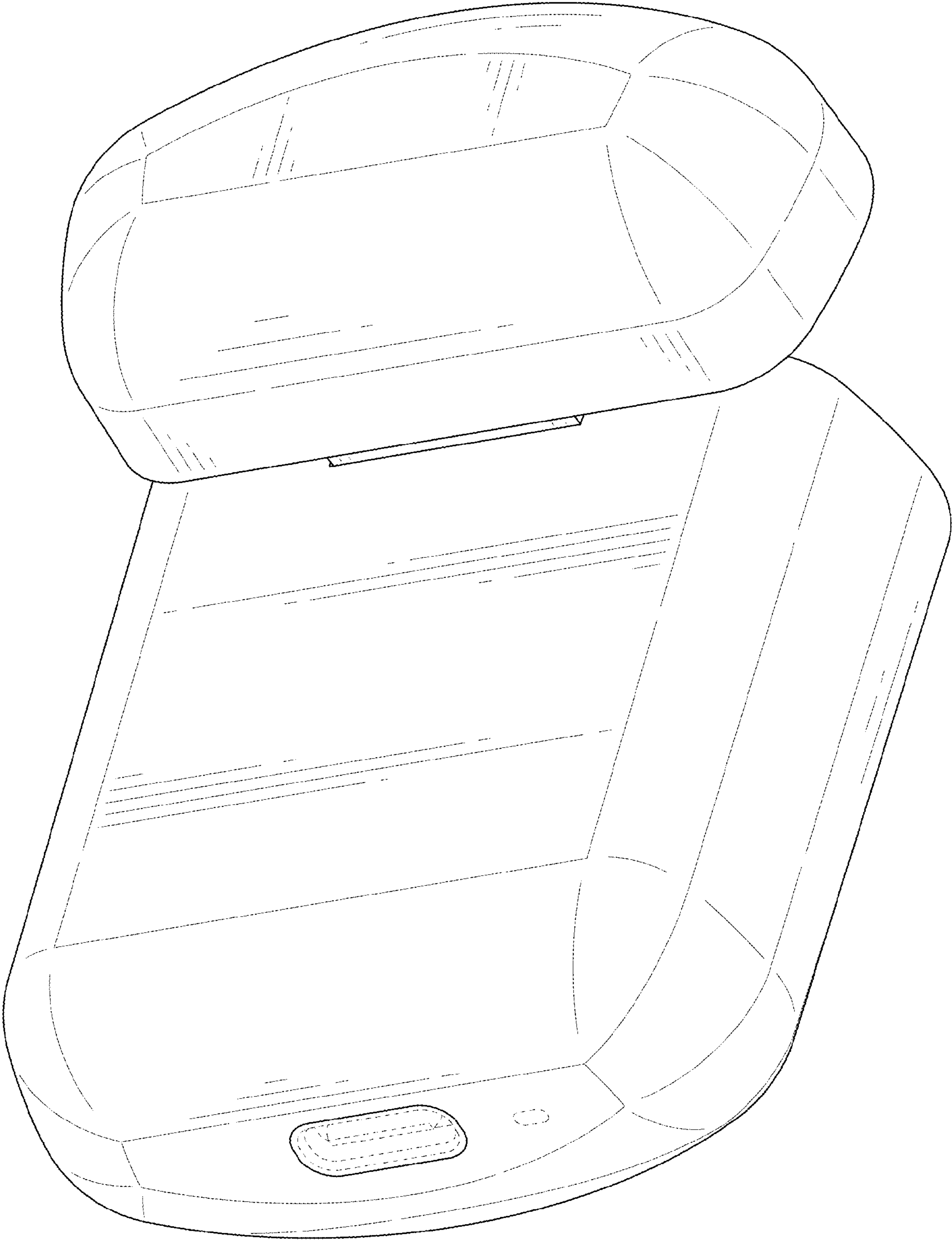


FIG. 2

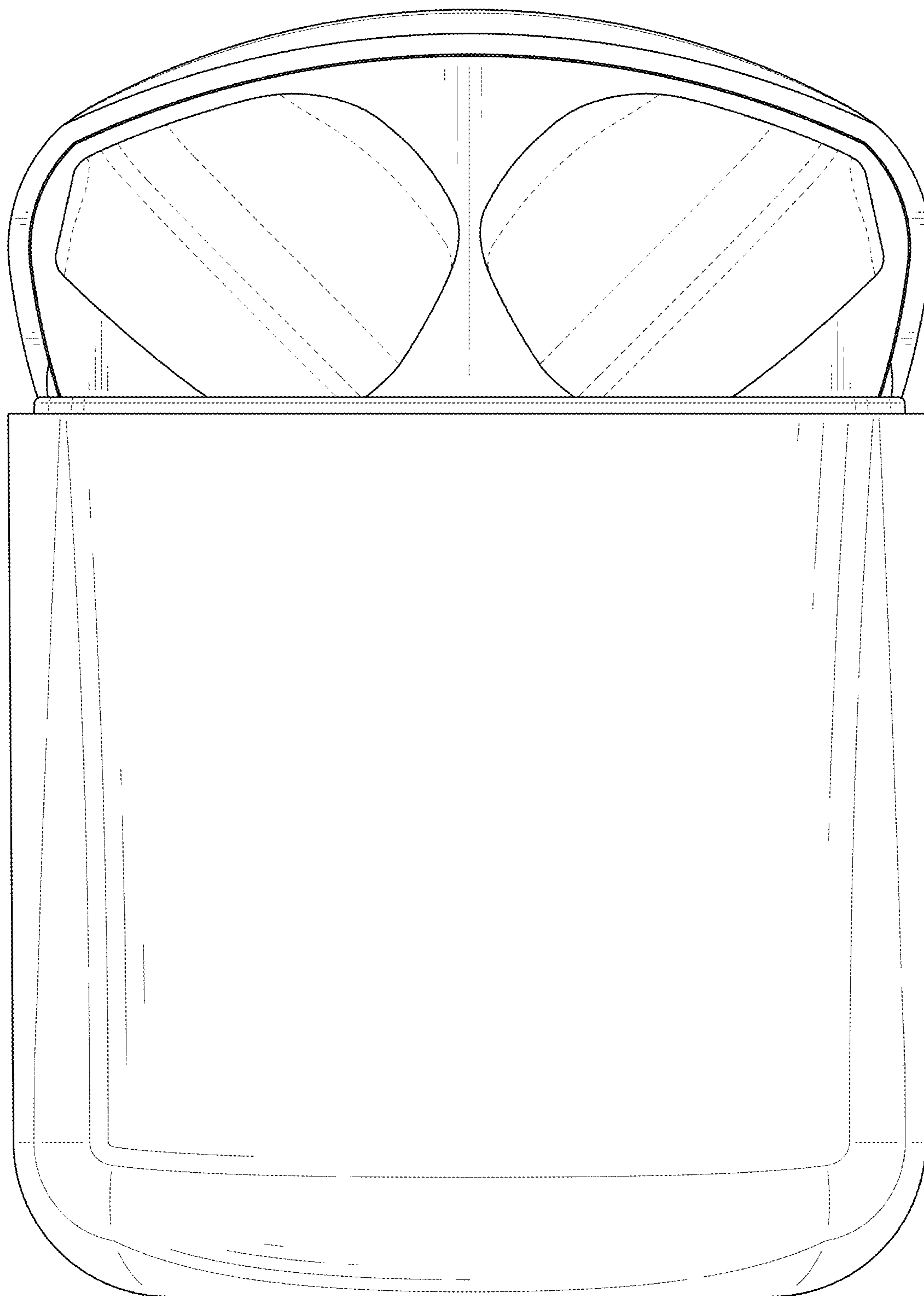


FIG. 3

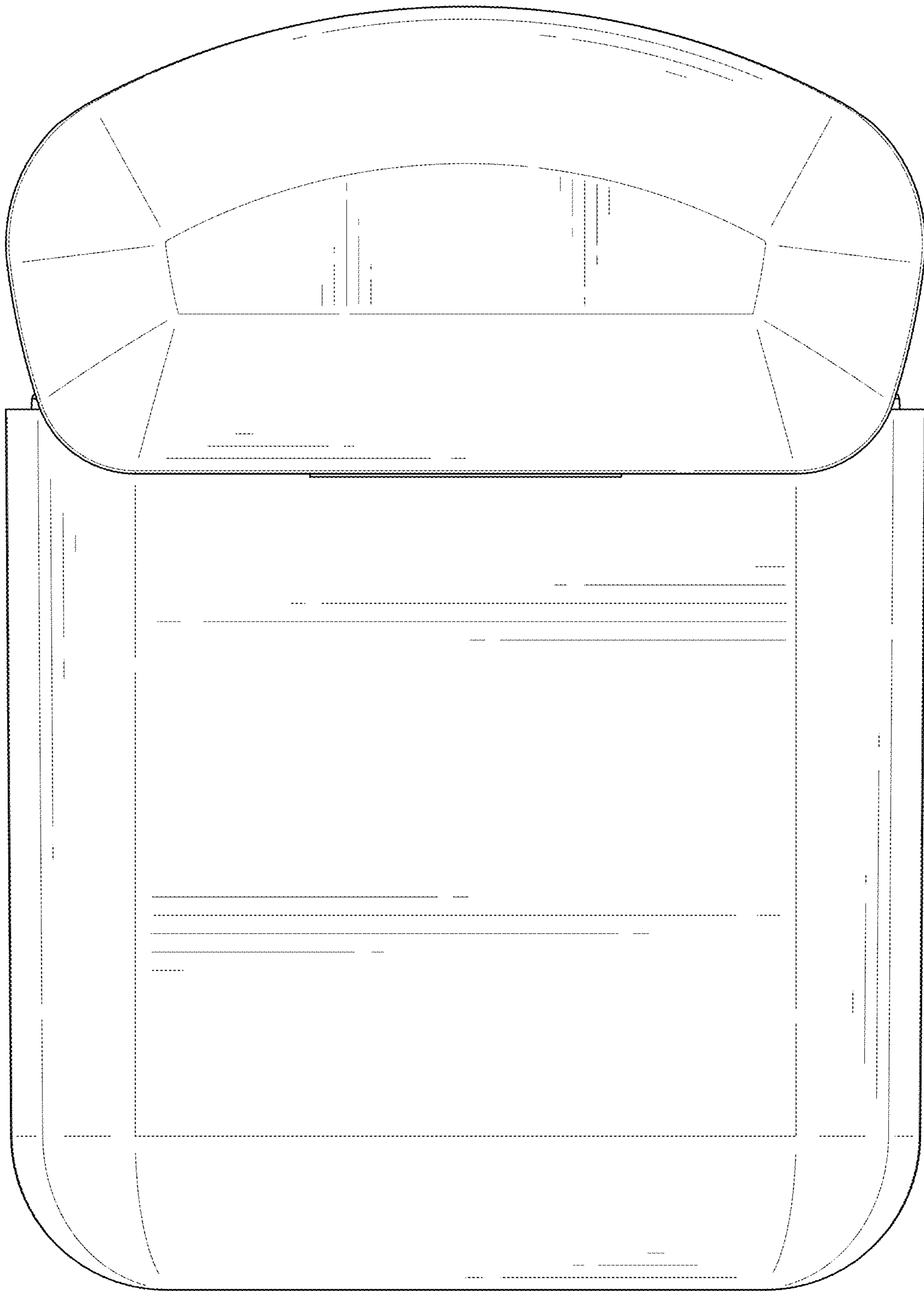


FIG. 4

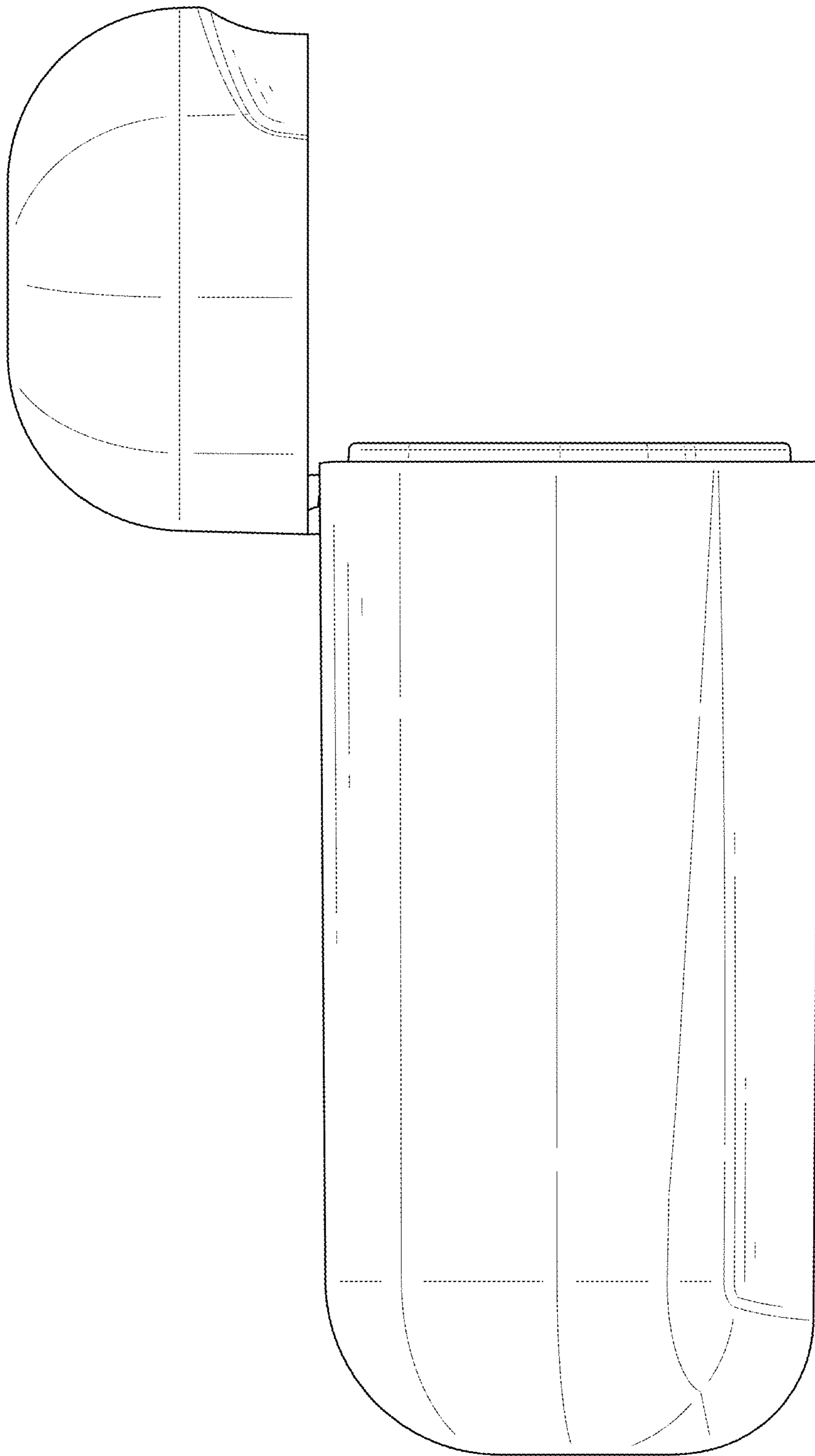


FIG. 5

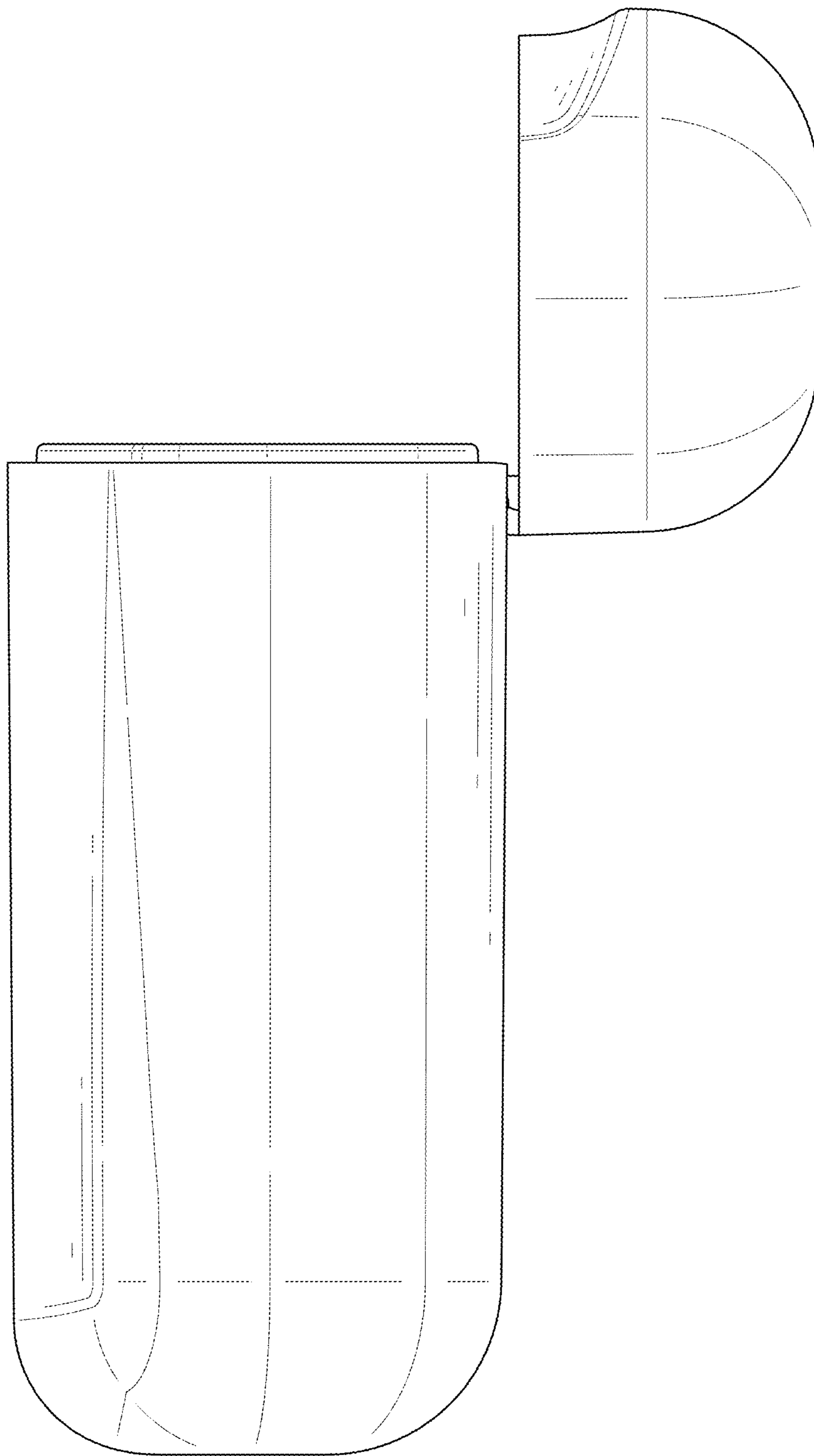


FIG. 6

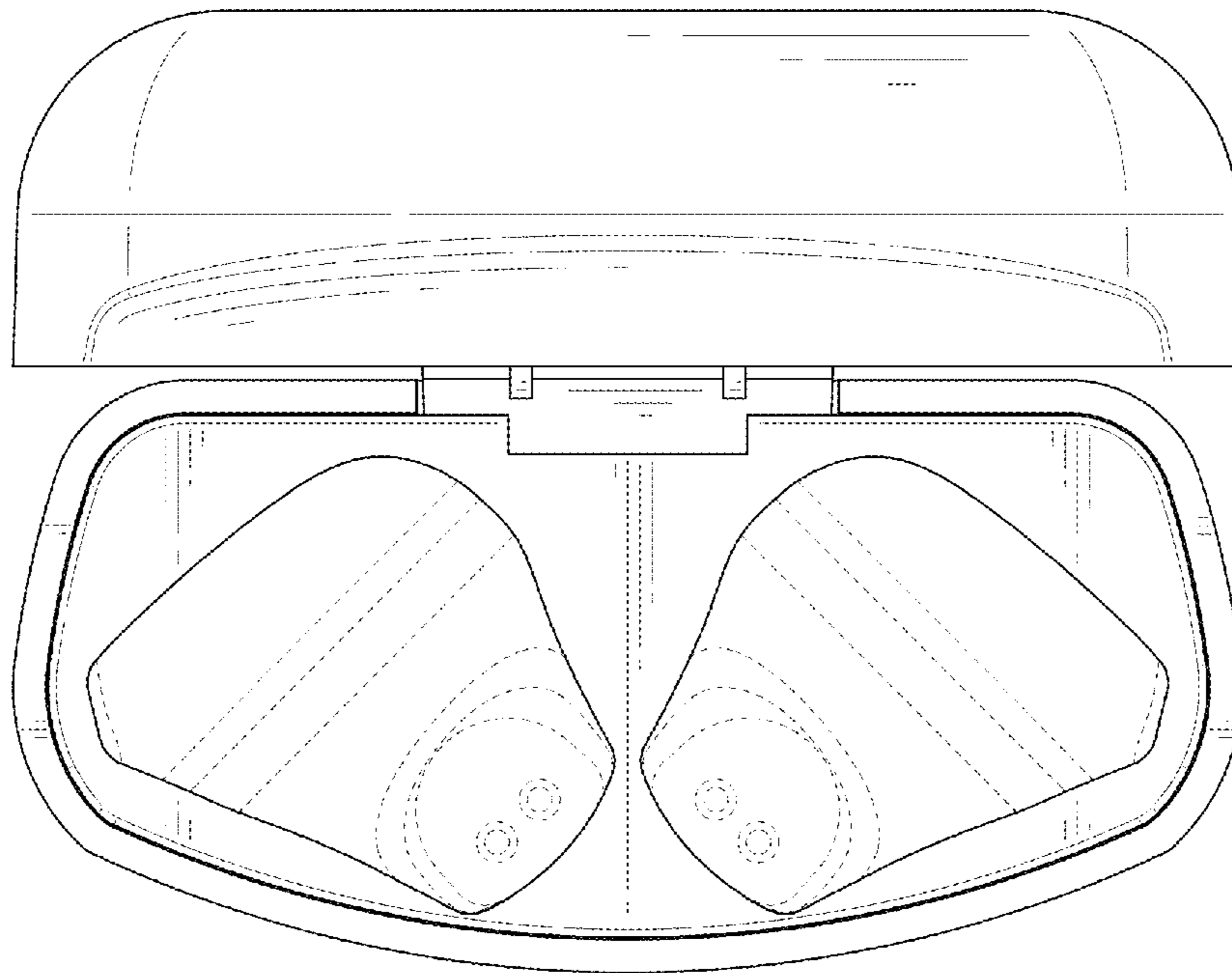


FIG. 7

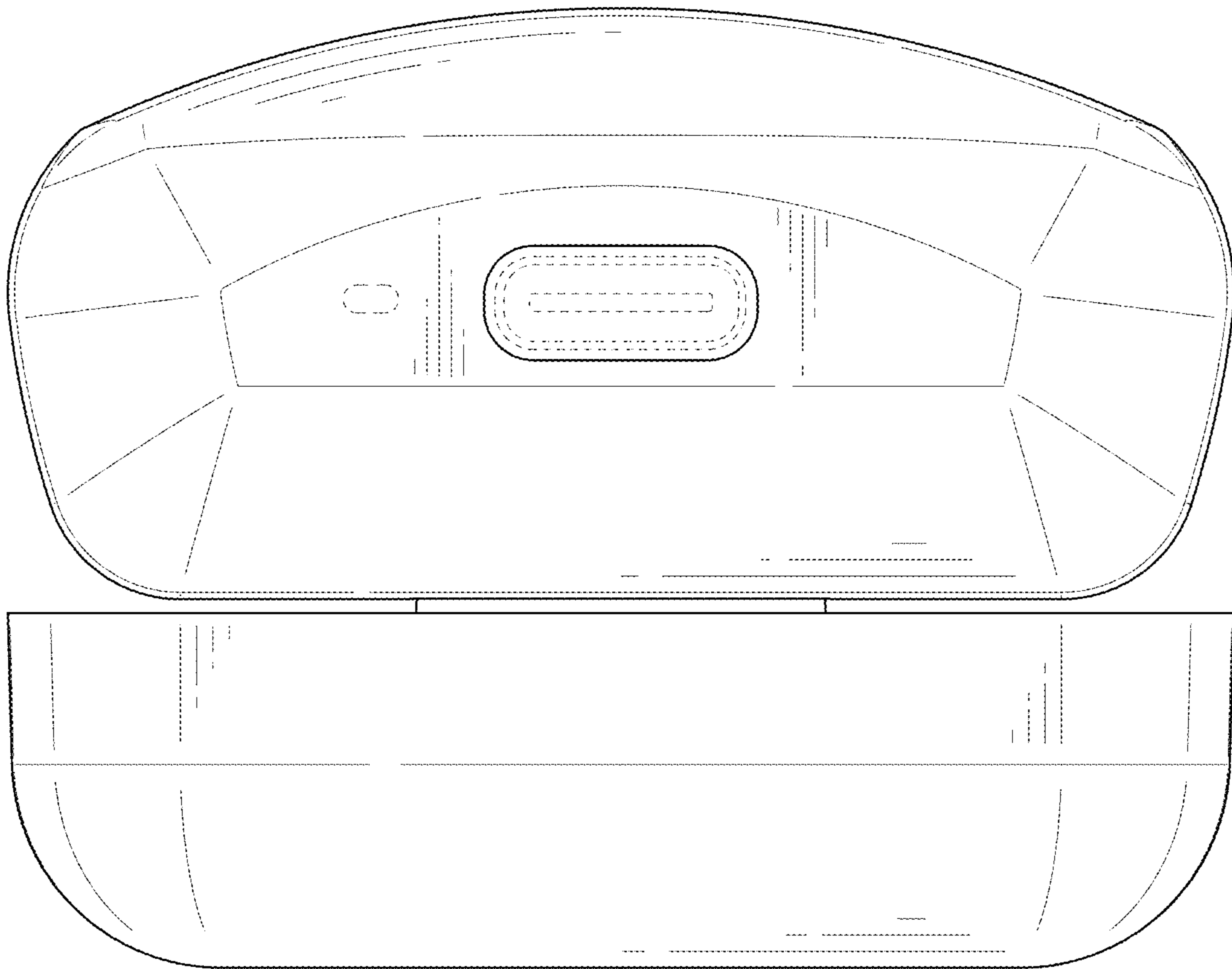


FIG. 8

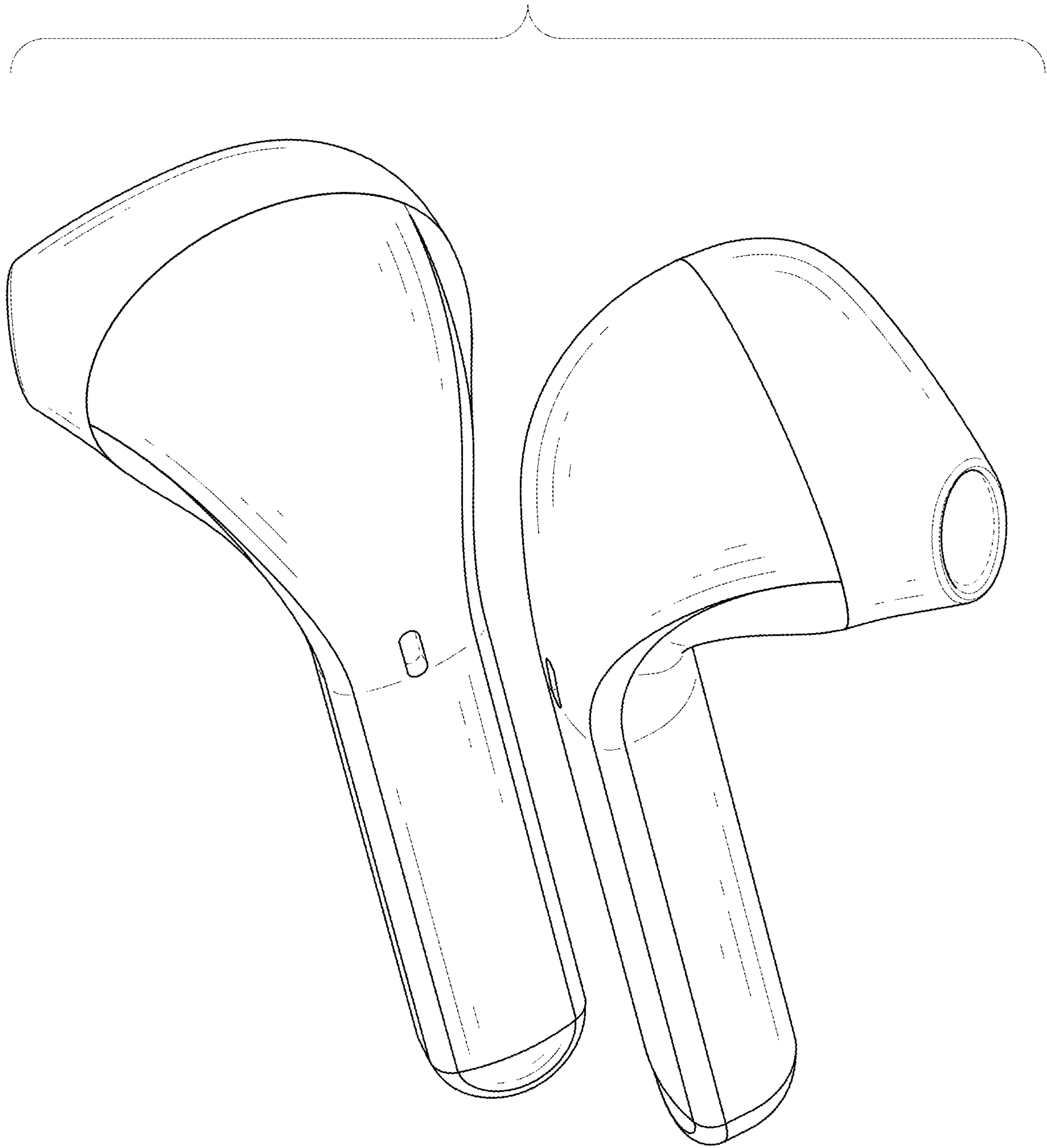


FIG. 9

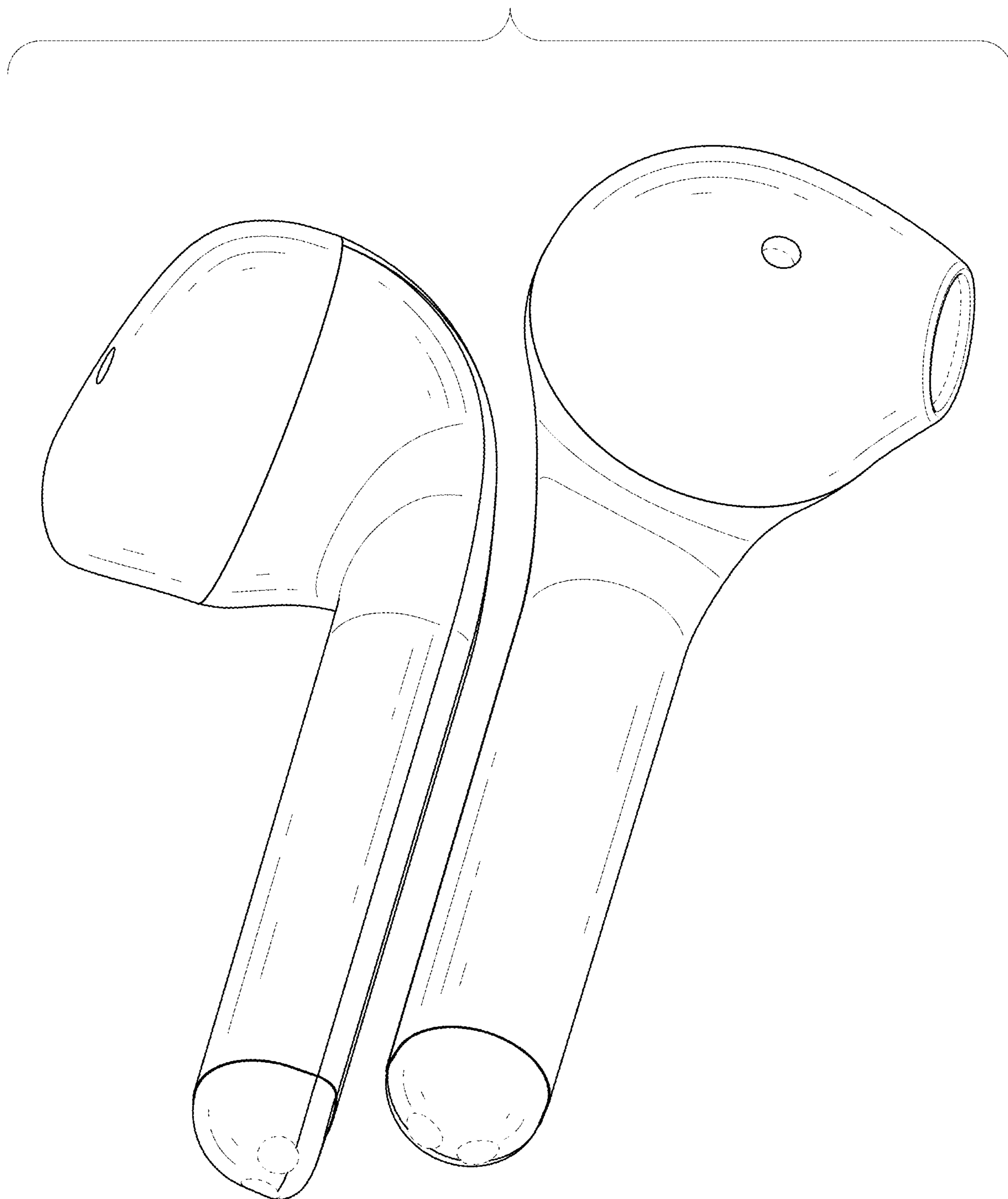


FIG. 10

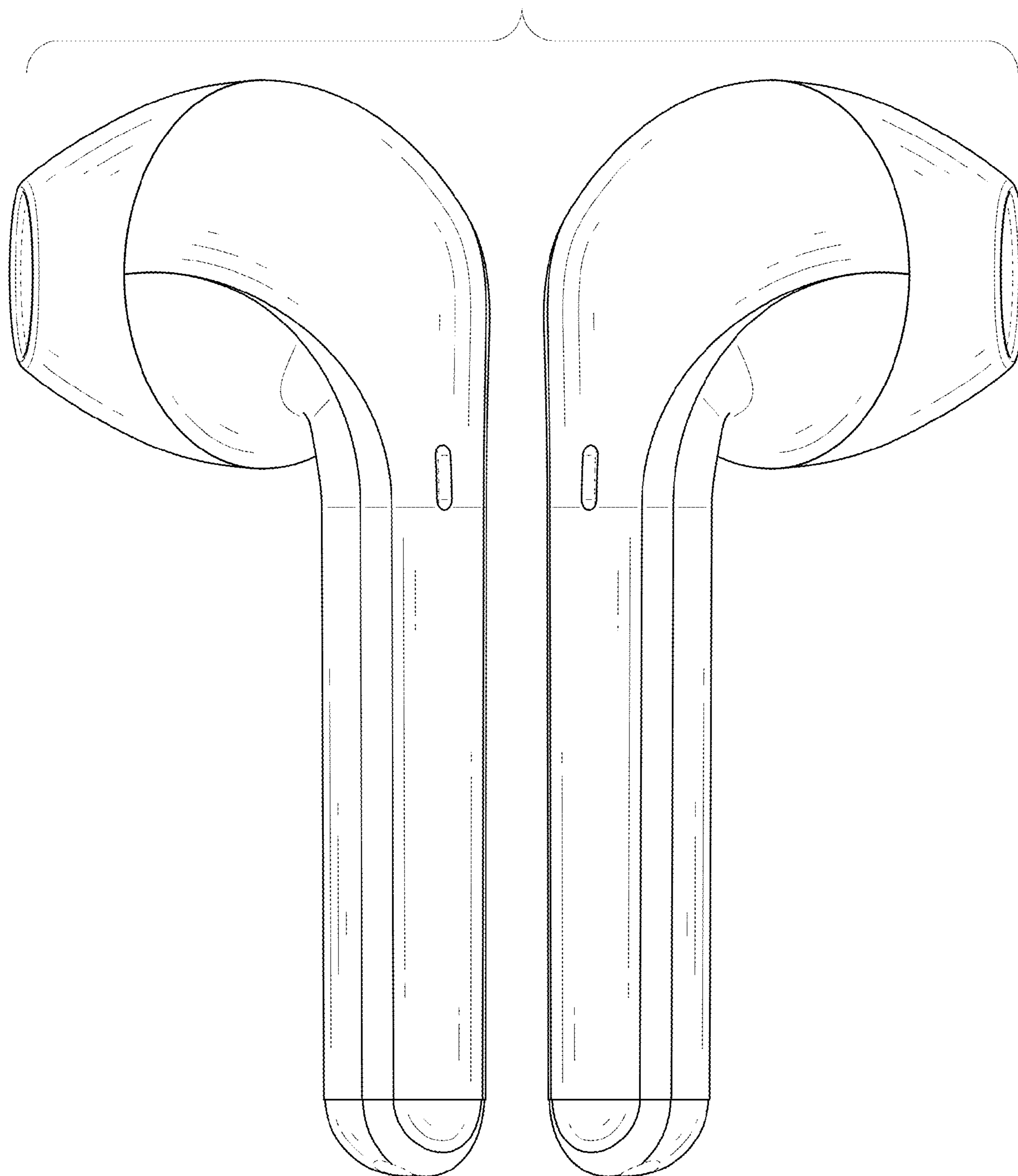


FIG. 11

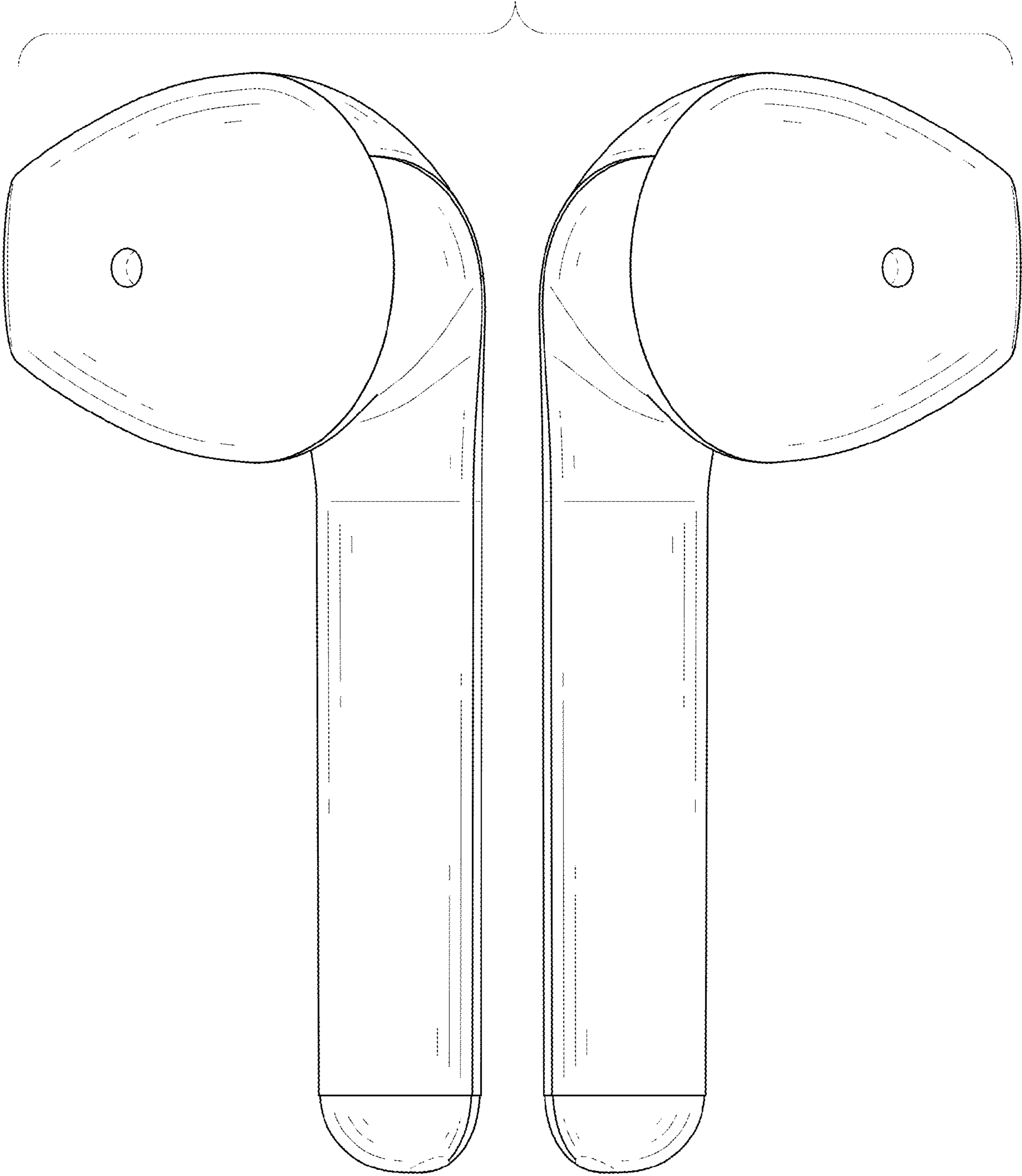


FIG. 12

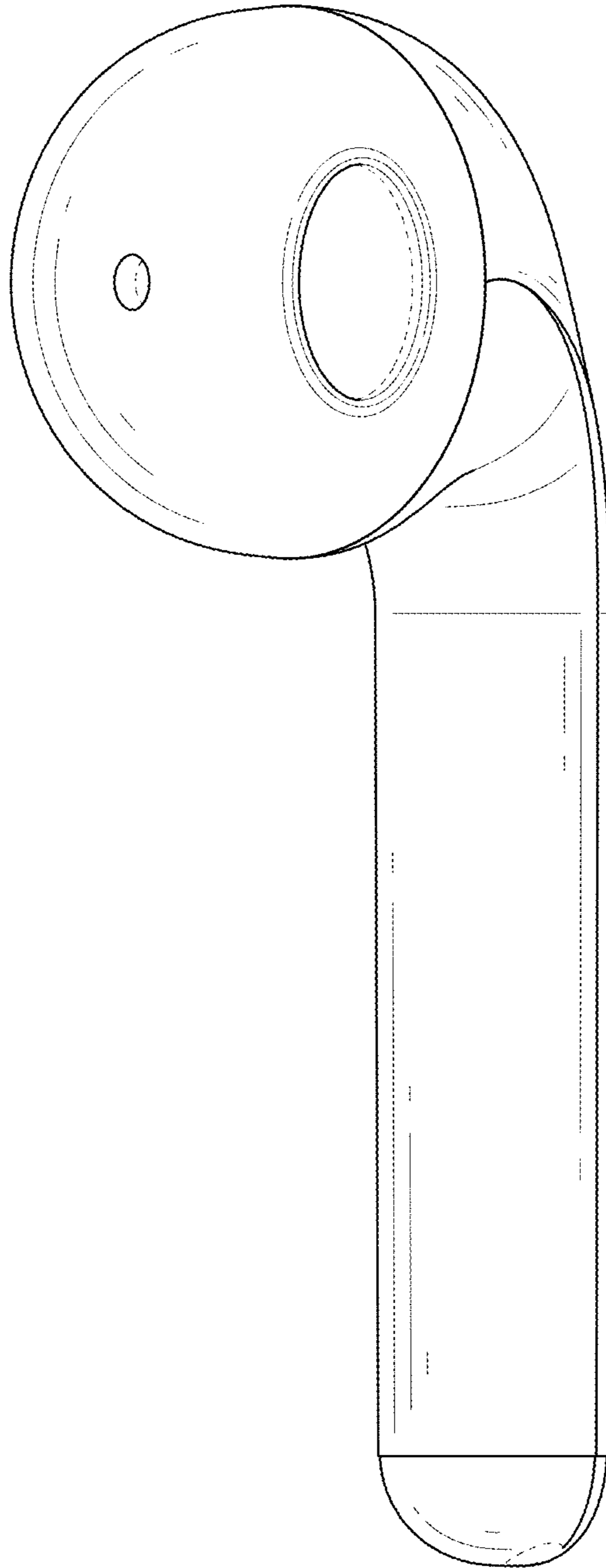


FIG. 13

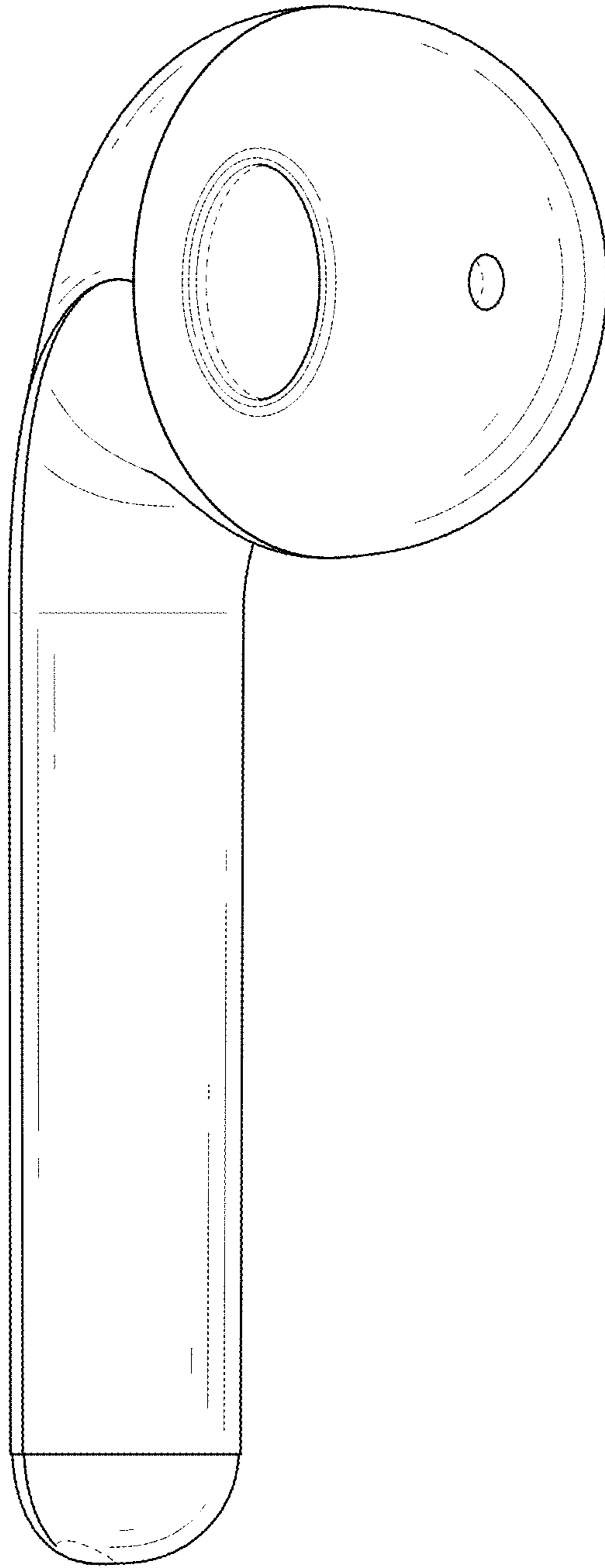


FIG. 14

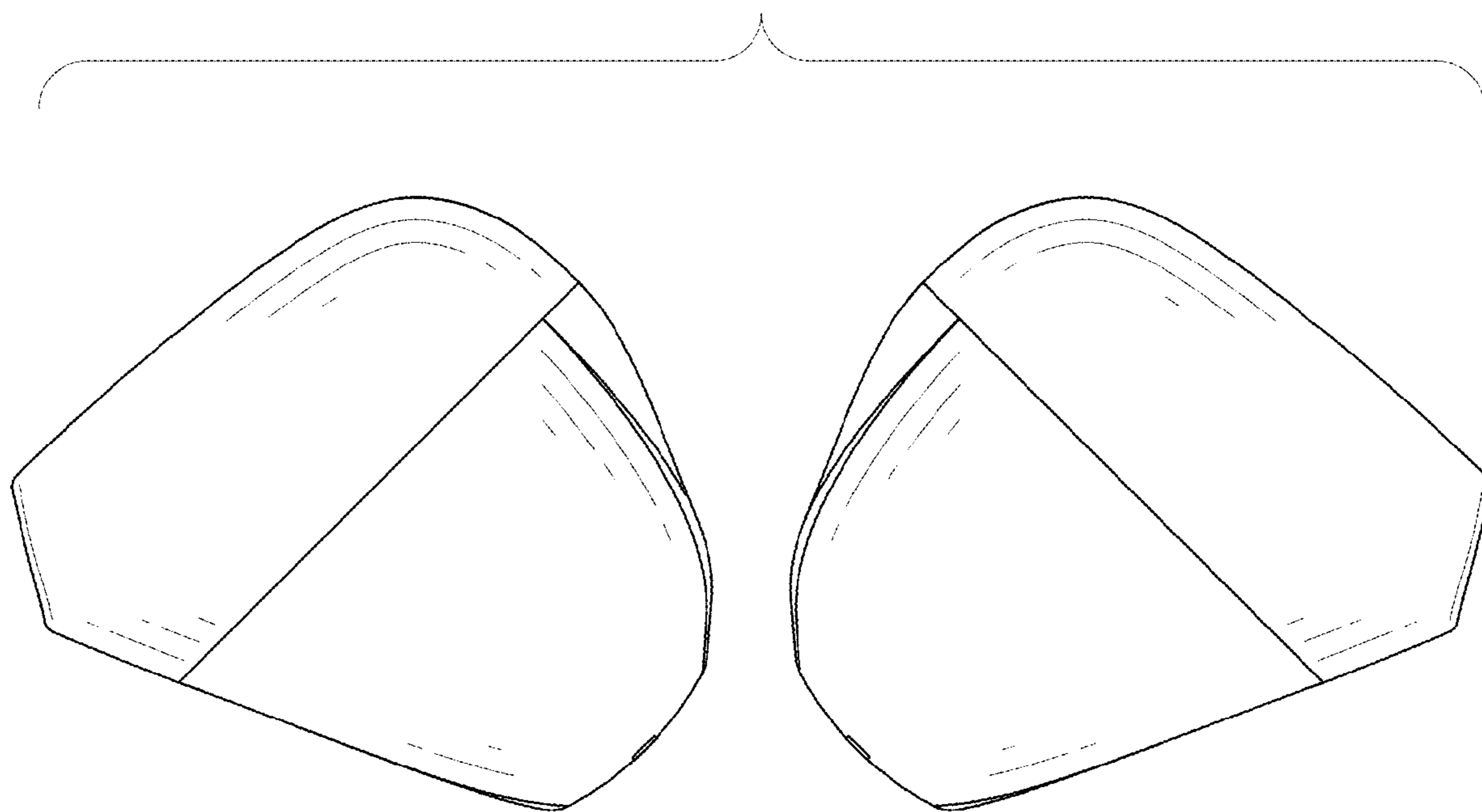


FIG. 15

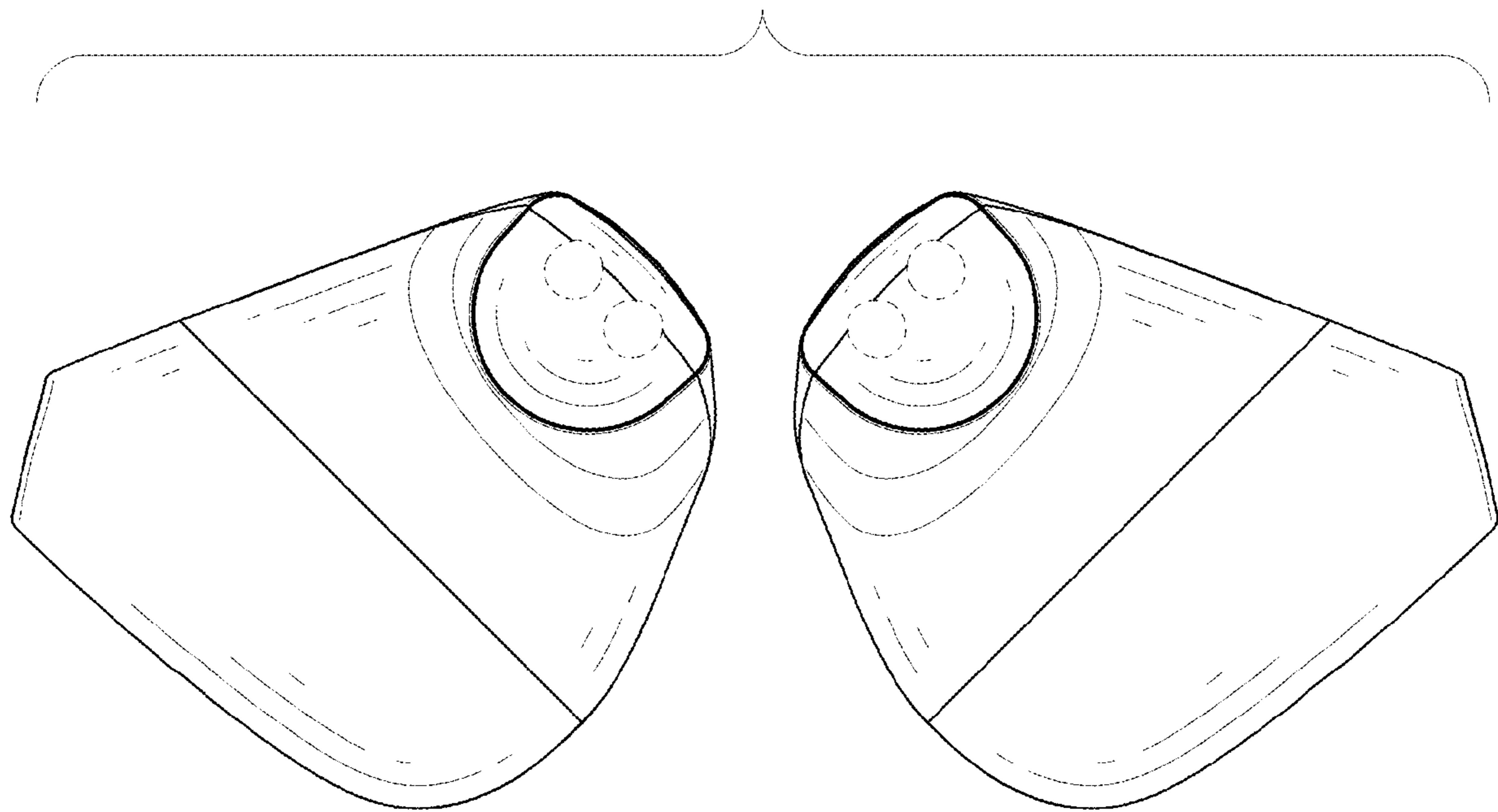


FIG. 16

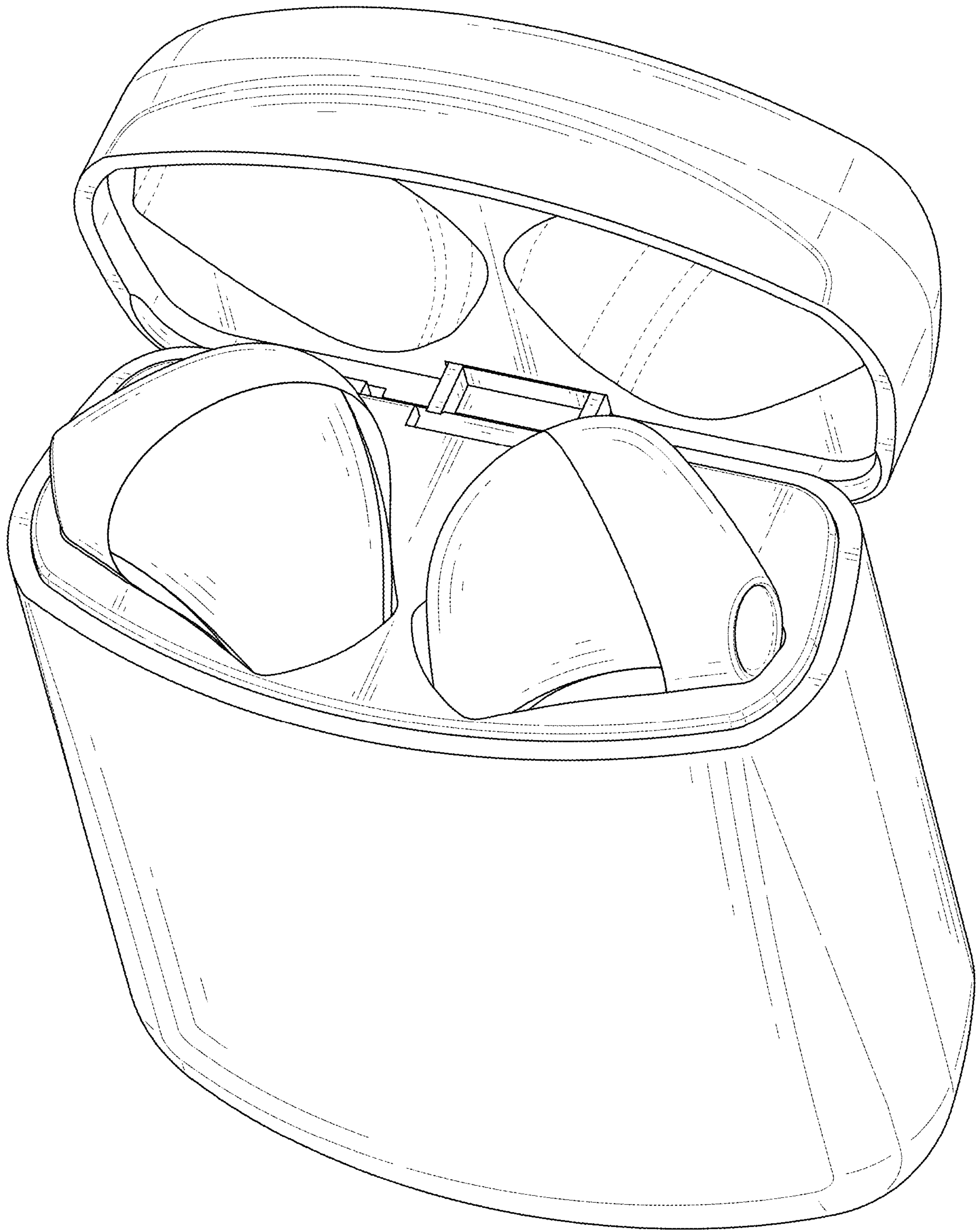


FIG. 17

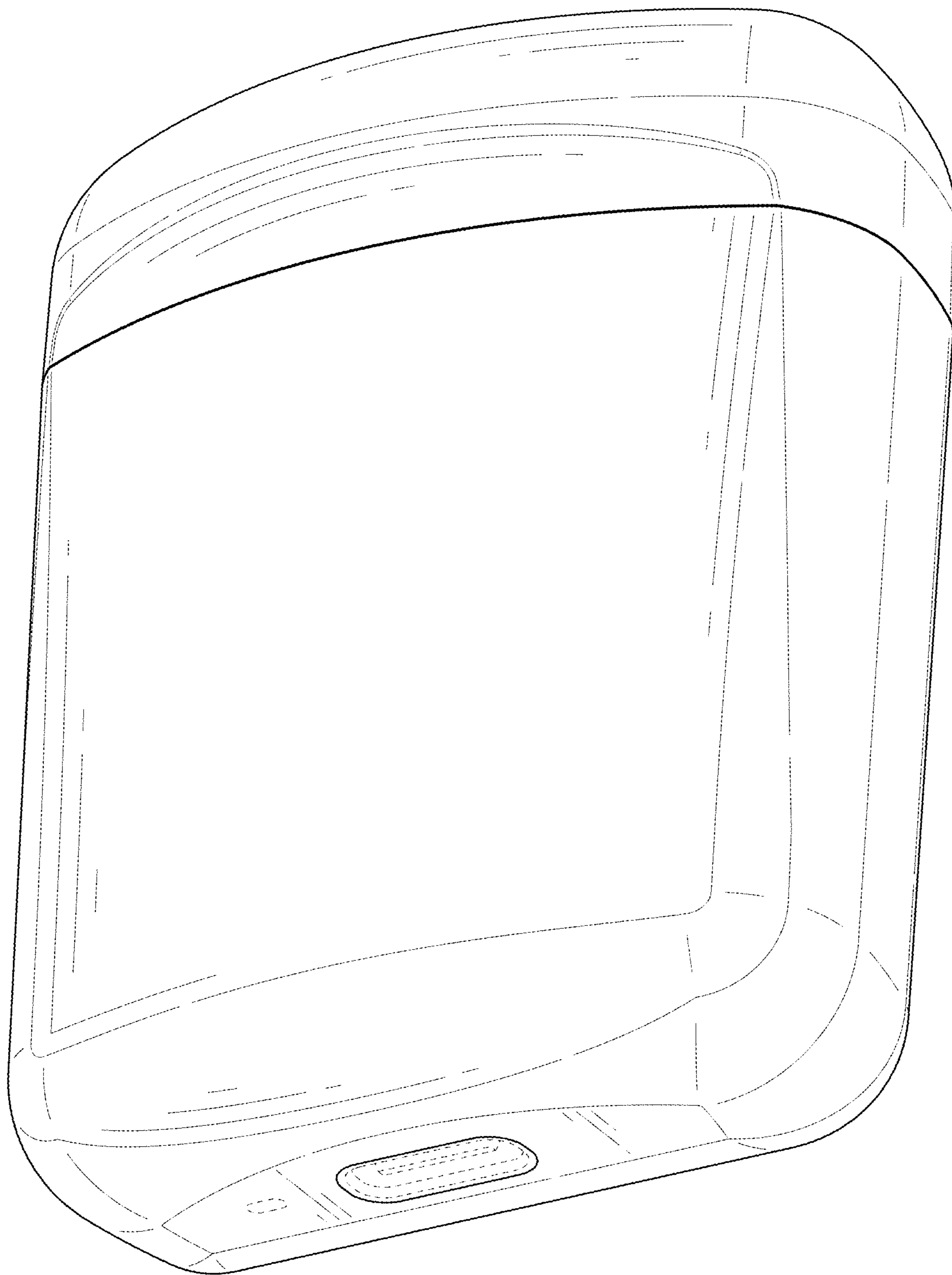


FIG. 18