



US00D984420S

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

(10) **Patent No.:** **US D984,420 S**

(45) **Date of Patent:** **** Apr. 25, 2023**

(54) **SET OF EARPHONES AND CHARGING CASE**

Primary Examiner — Paula Allen Greene

(71) Applicant: **SHENZHEN JONTER DIGITAL CO., LTD.**, Shenzhen (CN)

(57) **CLAIM**

The ornamental design for a set of earphones and charging case, as shown and described.

(72) Inventor: **Xiaohuai Wang**, Hengyang (CN)

DESCRIPTION

(73) Assignee: **SHENZHEN JONTER DIGITAL CO., LTD.**, Shenzhen (CN)

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

(21) Appl. No.: **29/801,677**

(22) Filed: **Jul. 30, 2021**

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

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

(58) **Field of Classification Search**
USPC D14/223, 205; D3/201, 274, 295, 294;
D9/420, 456, 428, 424; D28/78, 88, 82;
381/380–381, 322, 328; 206/266;
455/575.2; D13/108
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1066; H04R 1/1016; H04R
1/025; H04R 1/02; H02J 7/0044; A45C
11/24; B65D 43/165
See application file for complete search history.

FIG. 1 is a perspective view of earphones of a set of earphones and charging case, shown separately for ease of illustration;
FIG. 2 is another 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;
FIG. 8 is a bottom plan view thereof;
FIG. 9 is a left side elevational view of a left earphone of the set of earphones and charging case, shown separately for ease of illustration;
FIG. 10 is a perspective view of the charging case of the set of earphones and charging case, shown separately for ease of illustration and in an open configuration;
FIG. 11 is another perspective view thereof;
FIG. 12 is a front elevational view thereof;
FIG. 13 is a rear elevational view thereof;
FIG. 14 is a left side elevational view thereof;
FIG. 15 is a right side elevational view thereof;
FIG. 16 is a top plan view thereof;
FIG. 17 is a bottom plan view thereof;
FIG. 18 is a perspective view of the set of earphones and charging case where the earphones are received in the charging case; and,
FIG. 19 is a perspective view of the charging case of the set of earphones and charging case, shown separately for ease of illustration and in a closed configuration.
The broken lines in the drawings depict portions of the set of earphones and charging case that form no part of the claimed design.

(56) **References Cited**

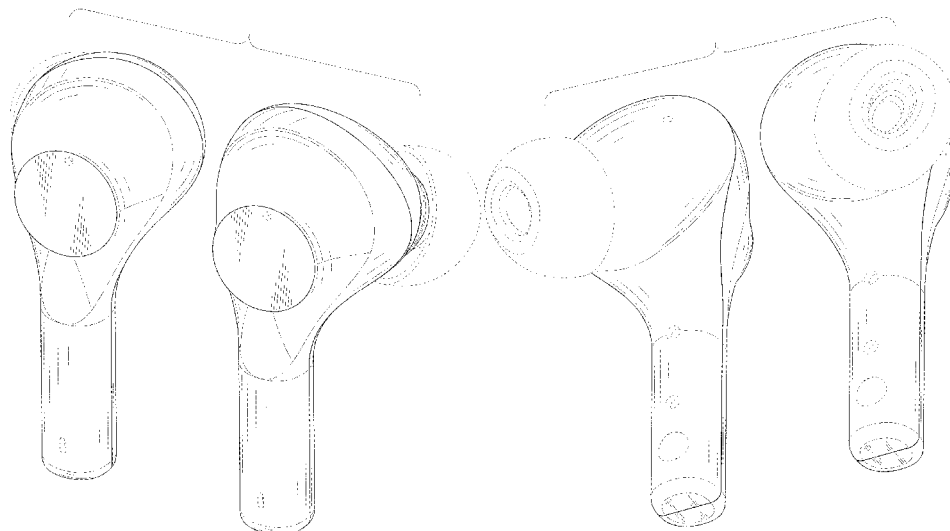
U.S. PATENT DOCUMENTS

D481,532 S * 11/2003 Sayers D3/203.1
D553,077 S * 10/2007 Kim D13/108
D572,654 S * 7/2008 Kang D13/107
(Continued)

FOREIGN PATENT DOCUMENTS

EM 008368369-0001 * 12/2020
EM 008551329-0001 * 5/2021
(Continued)

1 Claim, 19 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,177,807 B2 * 5/2012 Bates A61M 25/104
 606/191
 D694,102 S * 11/2013 Bellamah D9/424
 D722,023 S * 2/2015 Brunner D13/110
 D735,132 S * 7/2015 Donohue, II D13/108
 D740,018 S * 10/2015 Zhang D3/265
 D772,572 S * 11/2016 Palmborg D3/294
 D817,640 S * 5/2018 Dang D3/294
 D838,480 S * 1/2019 Son D3/294
 D841,581 S * 2/2019 Bonahoom D13/108
 D846,264 S * 4/2019 Wu D3/201
 D886,454 S * 6/2020 Williamson D3/294
 D887,351 S * 6/2020 Bonahoom D13/108
 10,701,472 B1 * 6/2020 Xu H02J 7/0044
 D892,045 S * 8/2020 Zhang D26/51
 D894,123 S * 8/2020 Xiong D14/223
 D908,084 S * 1/2021 He D3/294
 D910,600 S * 2/2021 Zhang D14/223
 D910,601 S * 2/2021 Hu D14/223
 D911,274 S * 2/2021 Ding D13/108
 D911,958 S * 3/2021 Zeng D3/273
 D913,223 S * 3/2021 Li D3/294
 D913,224 S * 3/2021 Kim D13/108
 D914,647 S * 3/2021 Yang D14/223
 D914,648 S * 3/2021 Zhou D14/223
 D916,684 S * 4/2021 Fang D14/223
 D919,293 S * 5/2021 Fang D3/294
 D919,294 S * 5/2021 Fang D3/294
 D921,615 S * 6/2021 Wu D14/223

D924,209 S * 7/2021 Wu D14/223
 D925,499 S * 7/2021 Xie D14/223
 D927,465 S * 8/2021 Wang D14/223
 D932,472 S * 10/2021 Wang D14/223
 D934,839 S * 11/2021 Zhong D14/223
 D940,073 S * 1/2022 Yu D3/294
 D943,553 S * 2/2022 Zhang D14/223
 D946,513 S * 3/2022 Lin D14/223
 D949,786 S * 4/2022 Hachiri D3/294
 D952,610 S * 5/2022 Deng D3/274
 D967,021 S * 10/2022 Briggs D3/294
 D967,066 S * 10/2022 Cai D14/223
 D967,067 S * 10/2022 Cai D14/223
 D968,371 S * 11/2022 Ao D14/223
 D971,184 S * 11/2022 Chen D14/223
 2008/0090622 A1 * 4/2008 Kim H04M 1/05
 455/575.2
 2019/0069066 A1 * 2/2019 Song E05C 19/16
 2020/0304899 A1 * 9/2020 Cramer A45C 15/00
 2020/0412143 A1 * 12/2020 Chang H02J 7/0044
 2021/0160607 A1 * 5/2021 Liu H04B 1/3888
 2022/0286768 A1 * 9/2022 Chen H04R 1/1016

FOREIGN PATENT DOCUMENTS

GB 6198148 * 3/2022
 GB 6198149 * 3/2022
 GB 6243077 * 11/2022
 JP D1732767 * 12/2022
 KR 301046179.0000 * 2/2020
 KR 301068594.0000 * 7/2020

* cited by examiner

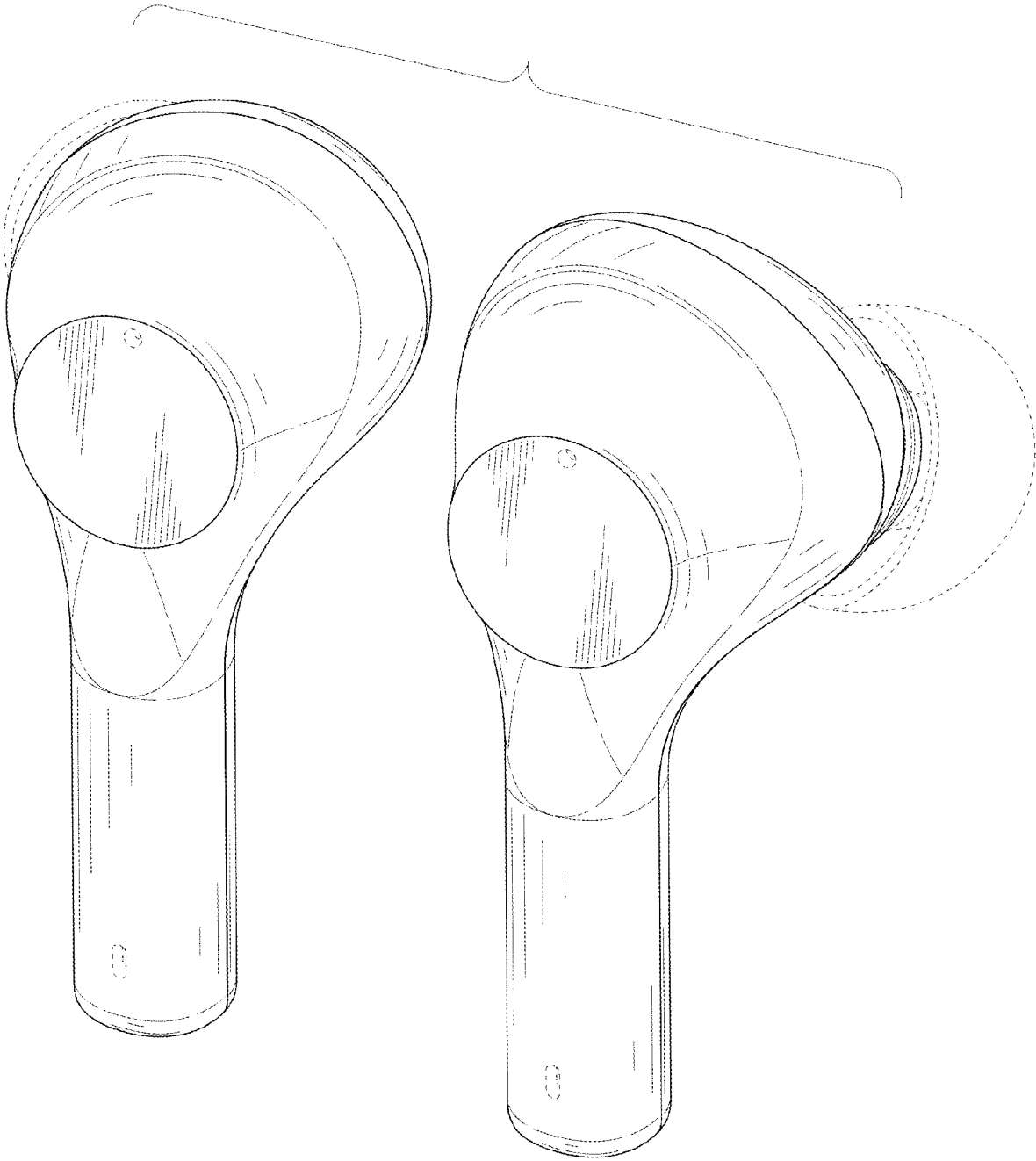


FIG. 1

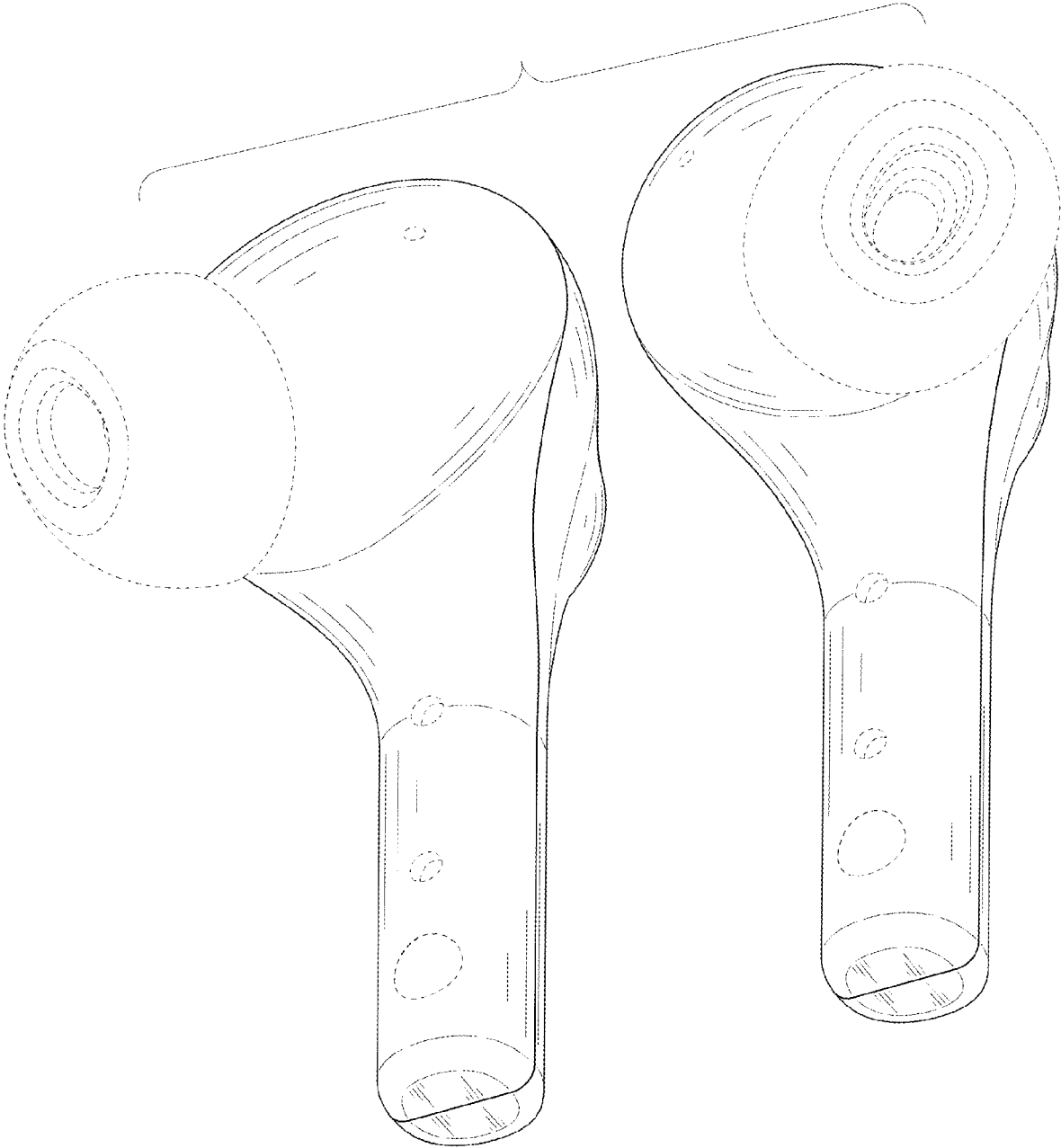


FIG. 2

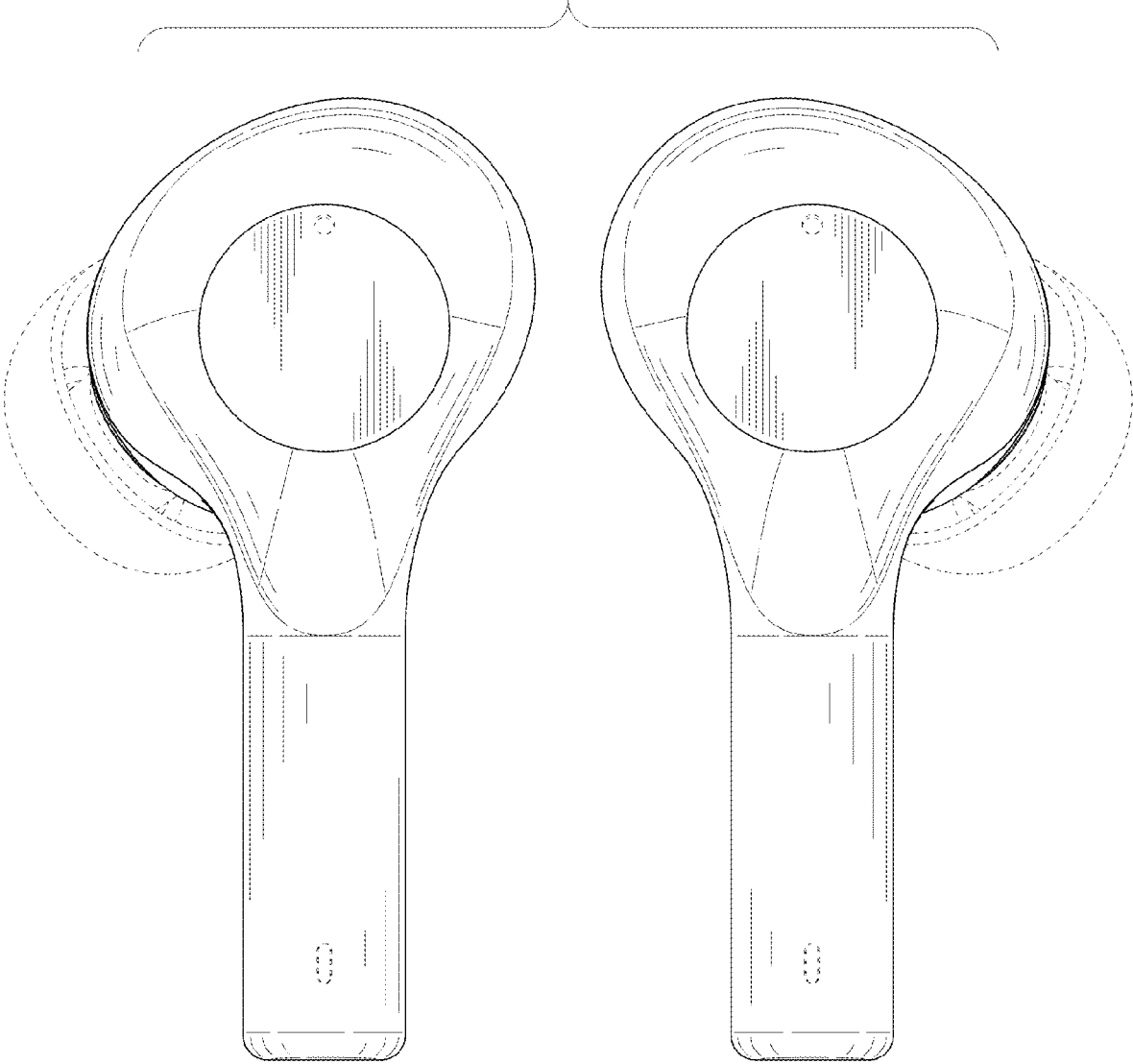


FIG. 3

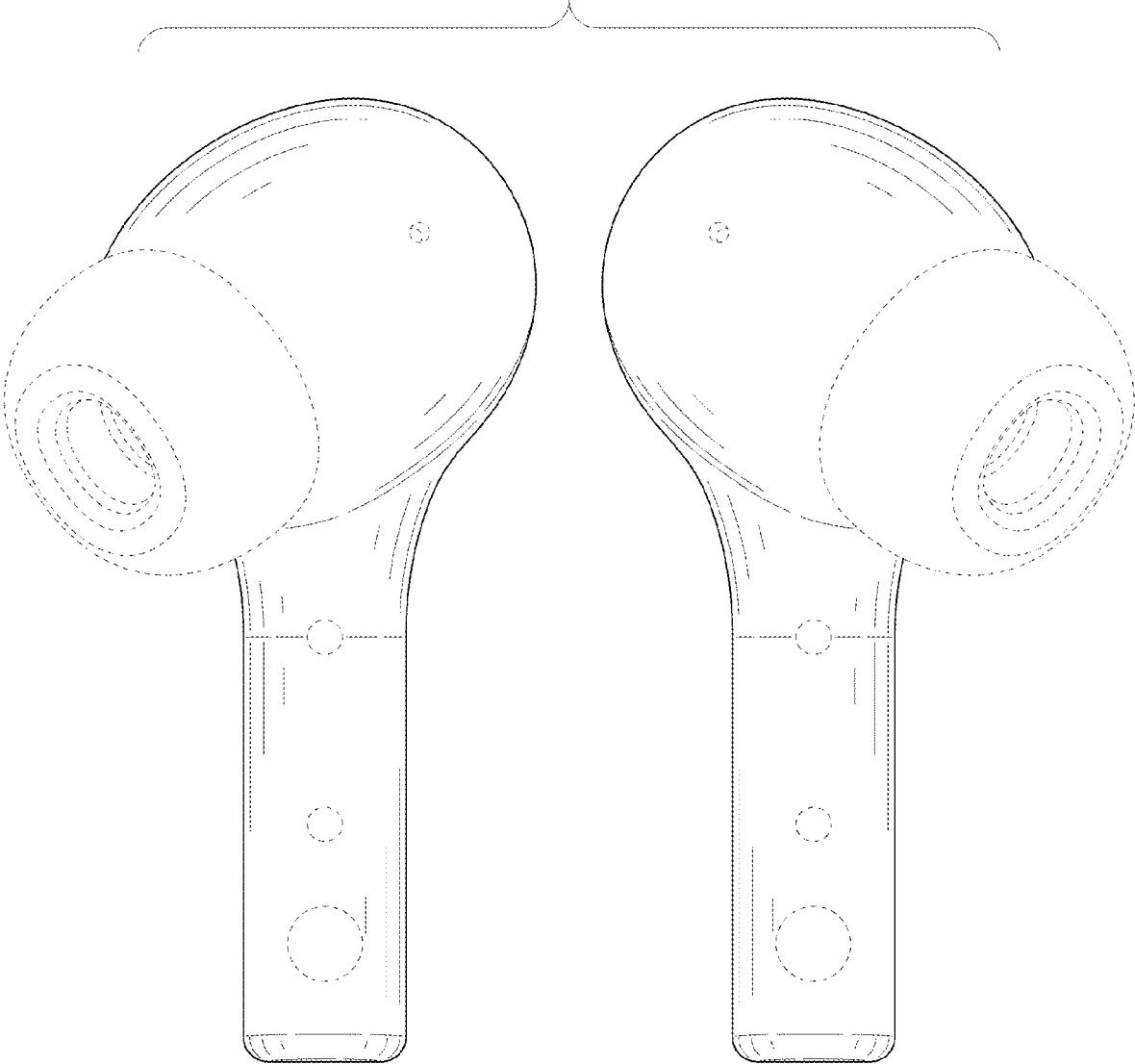


FIG. 4

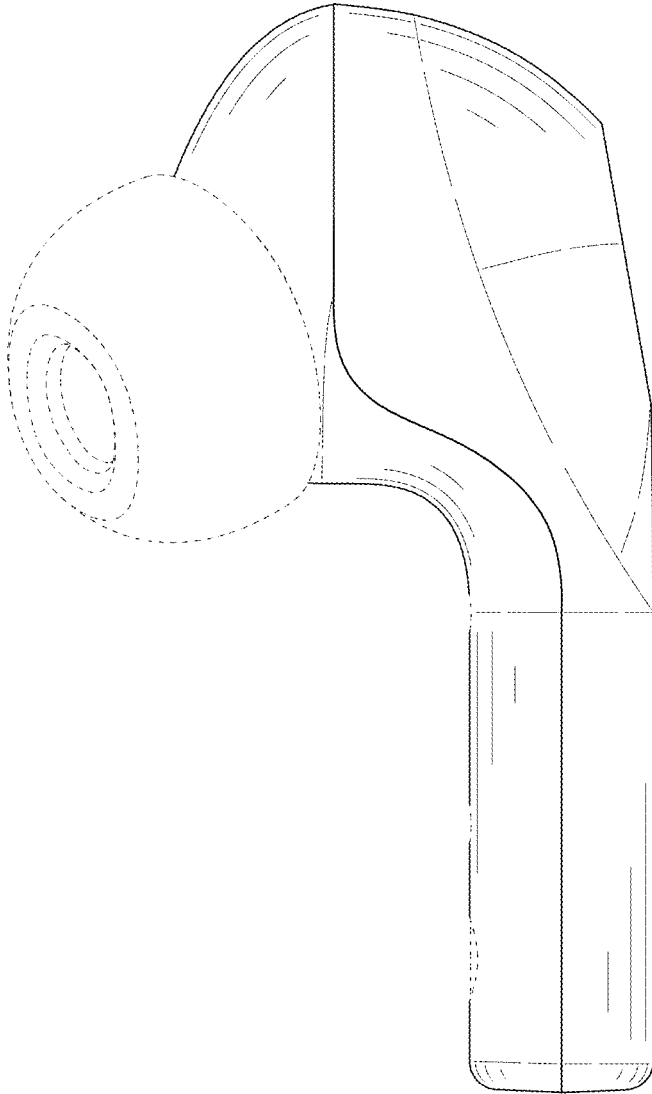


FIG. 5

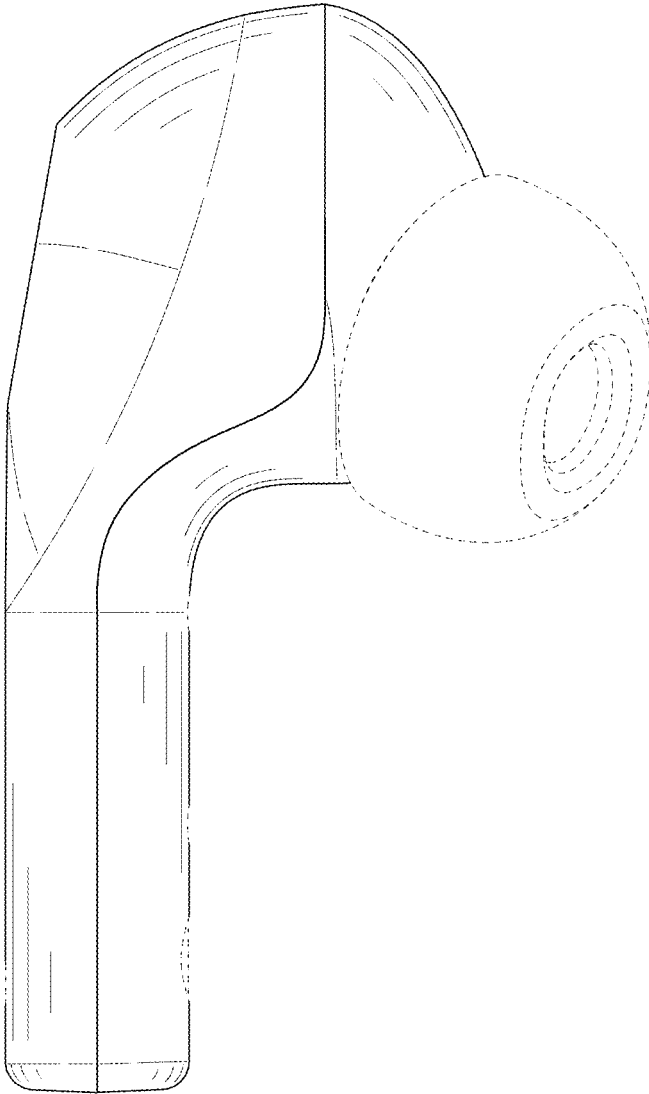


FIG. 6

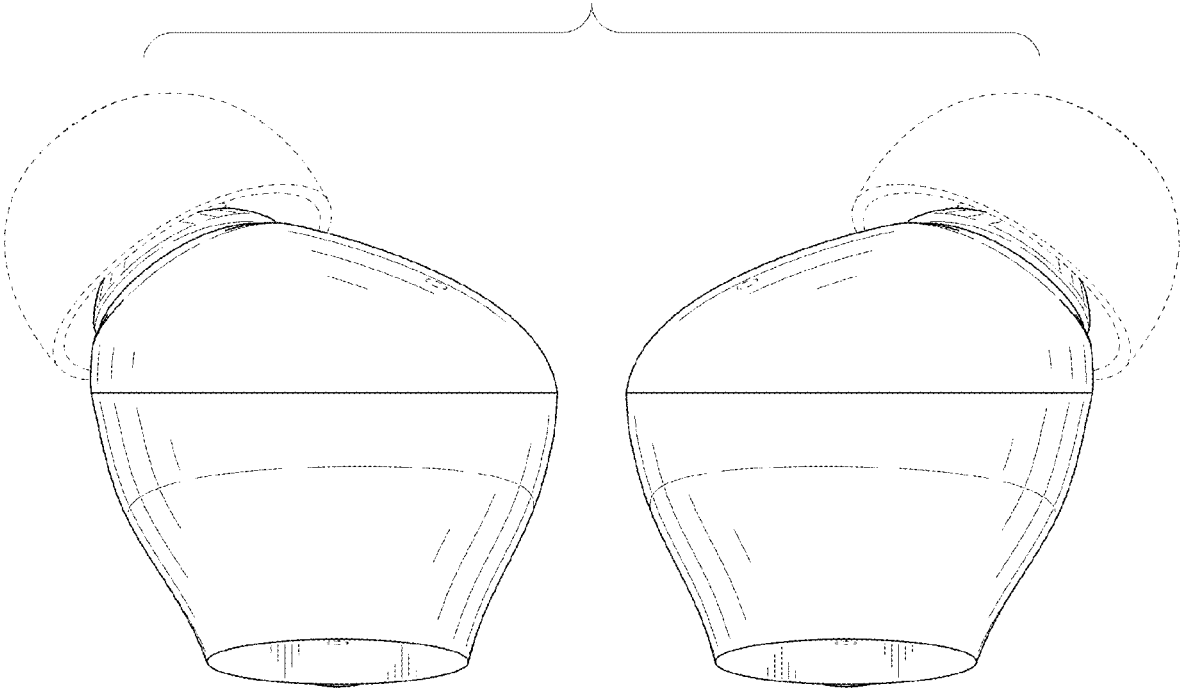


FIG. 7

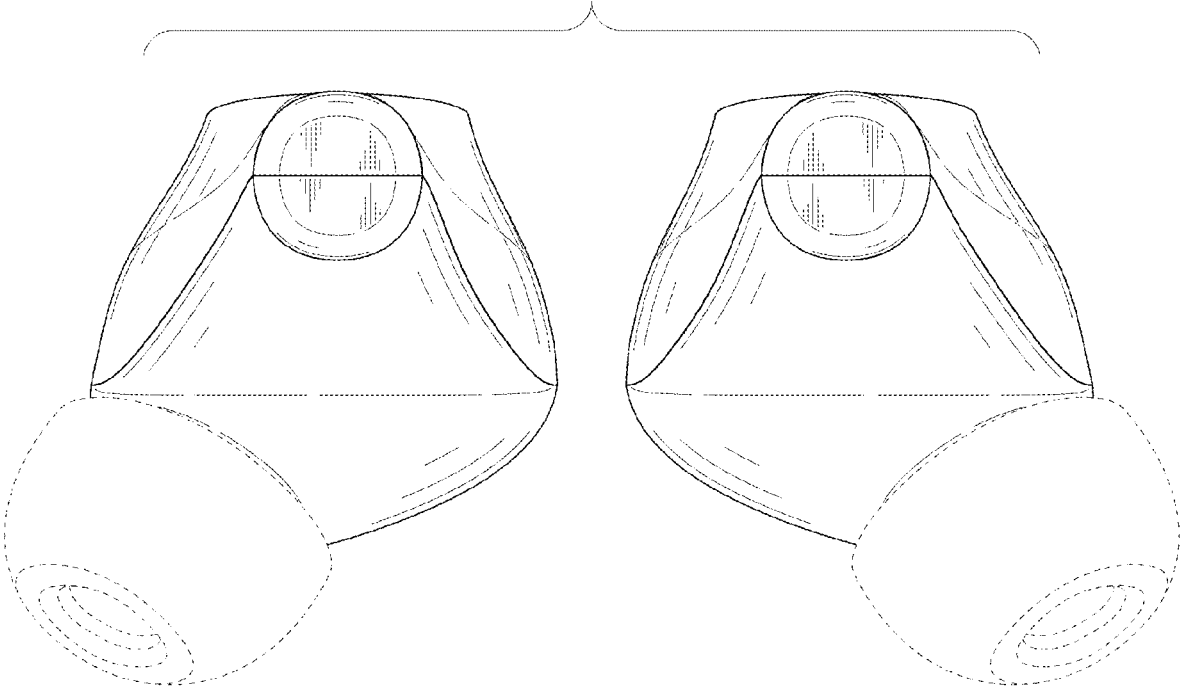


FIG. 8

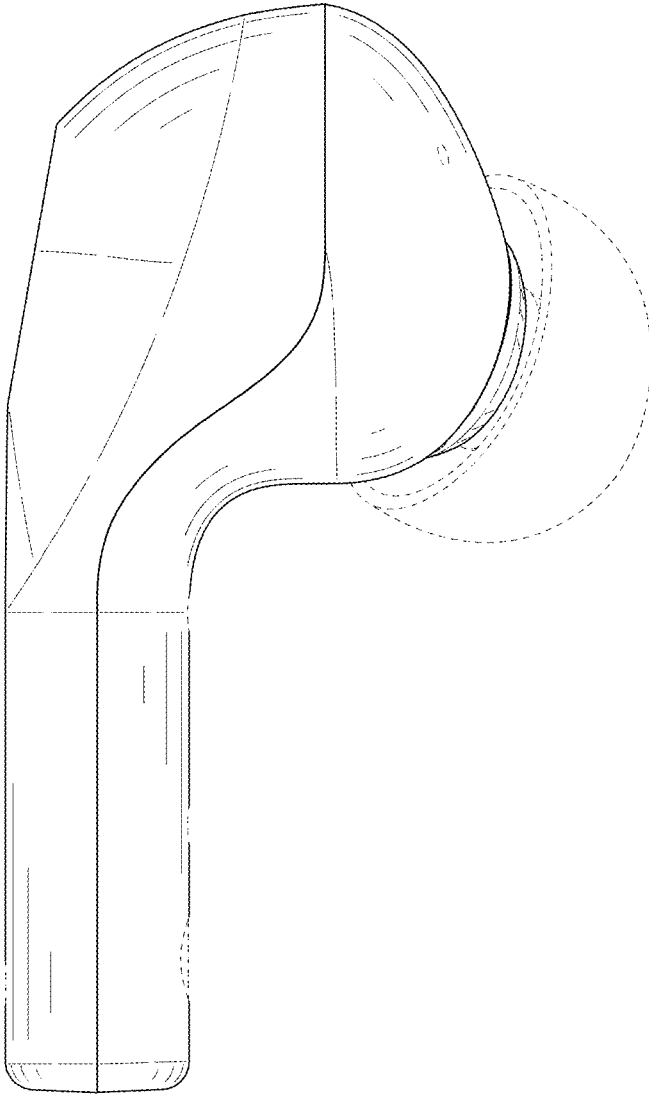


FIG. 9

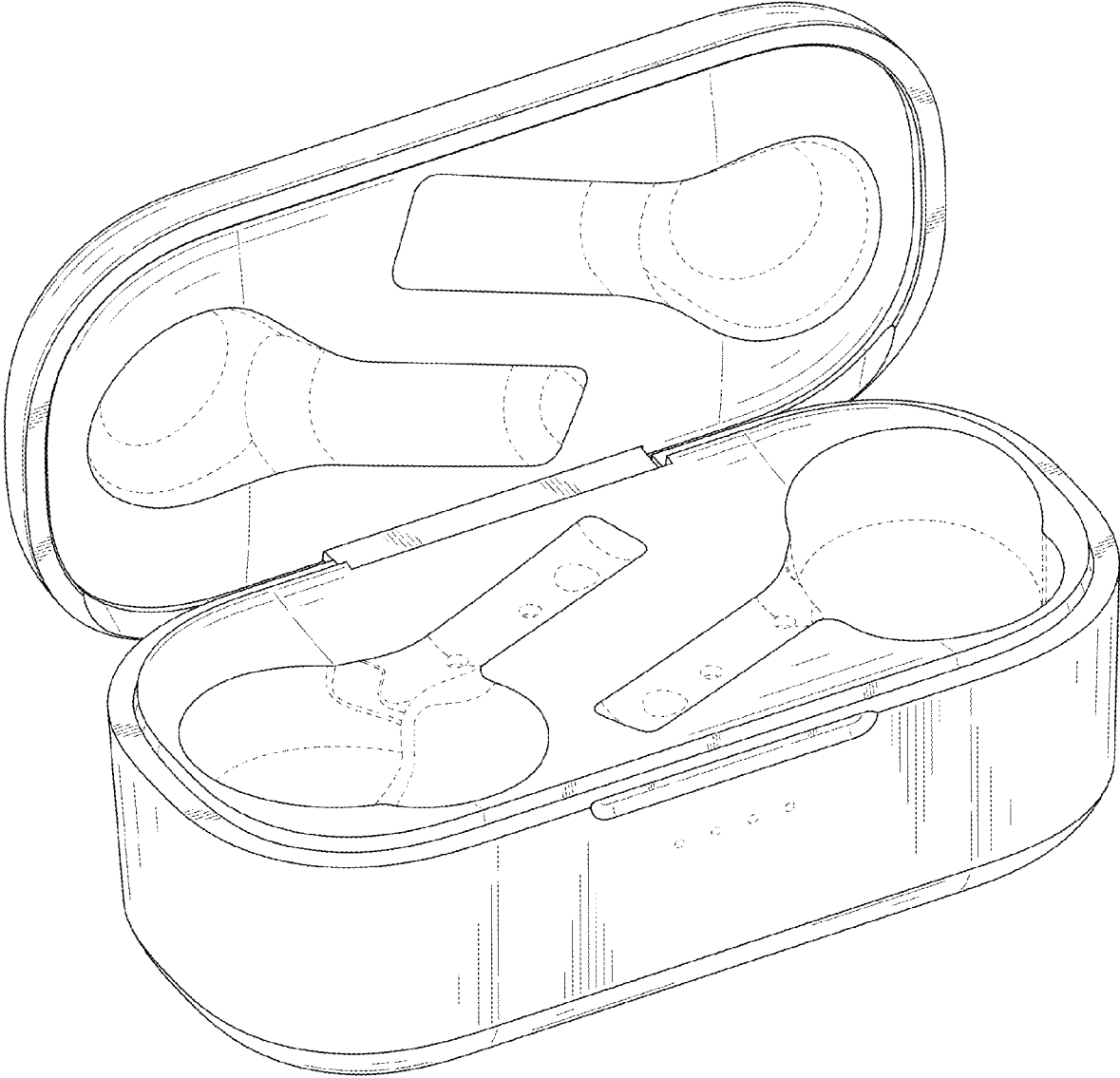


FIG. 10

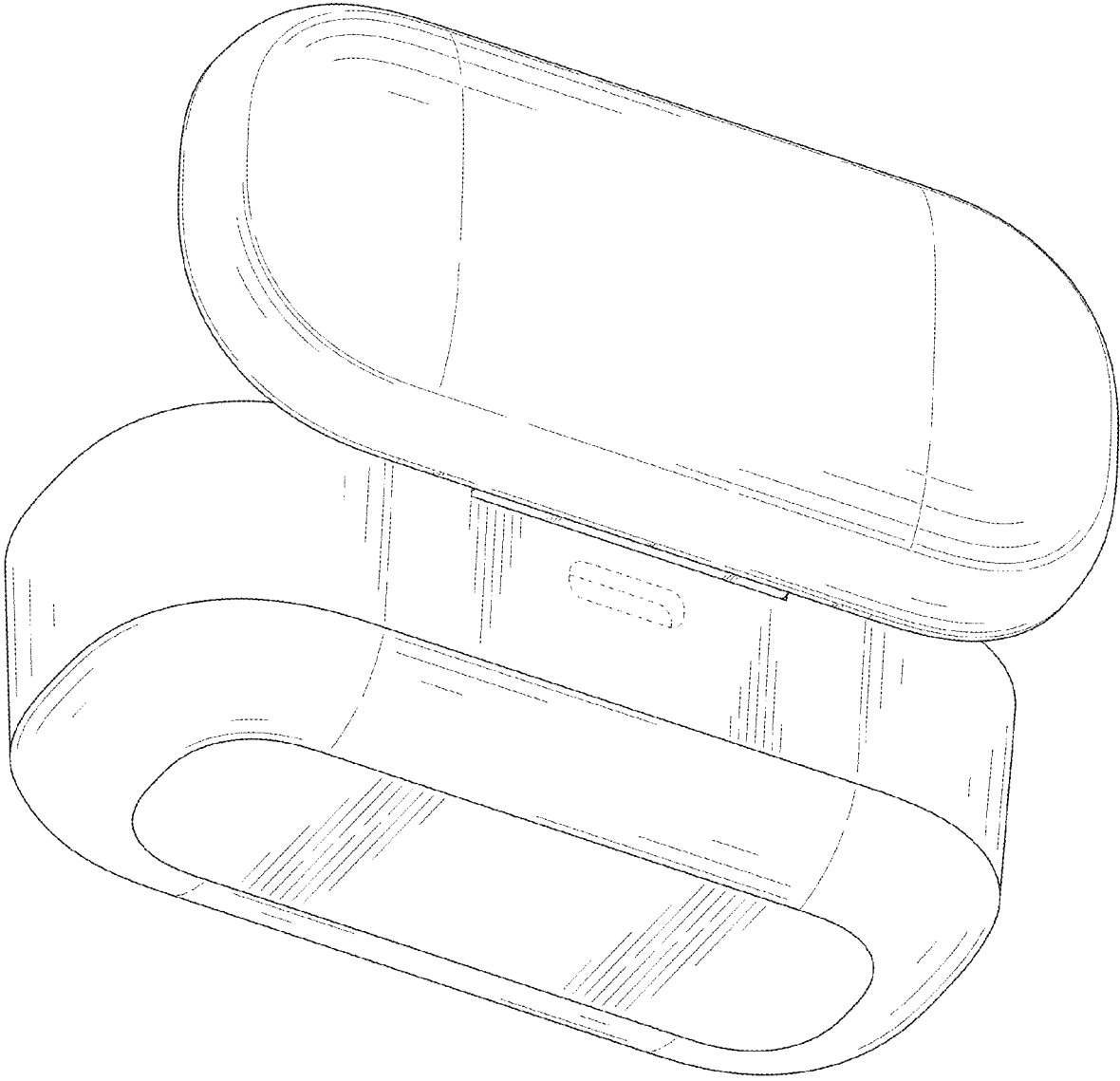


FIG. 11

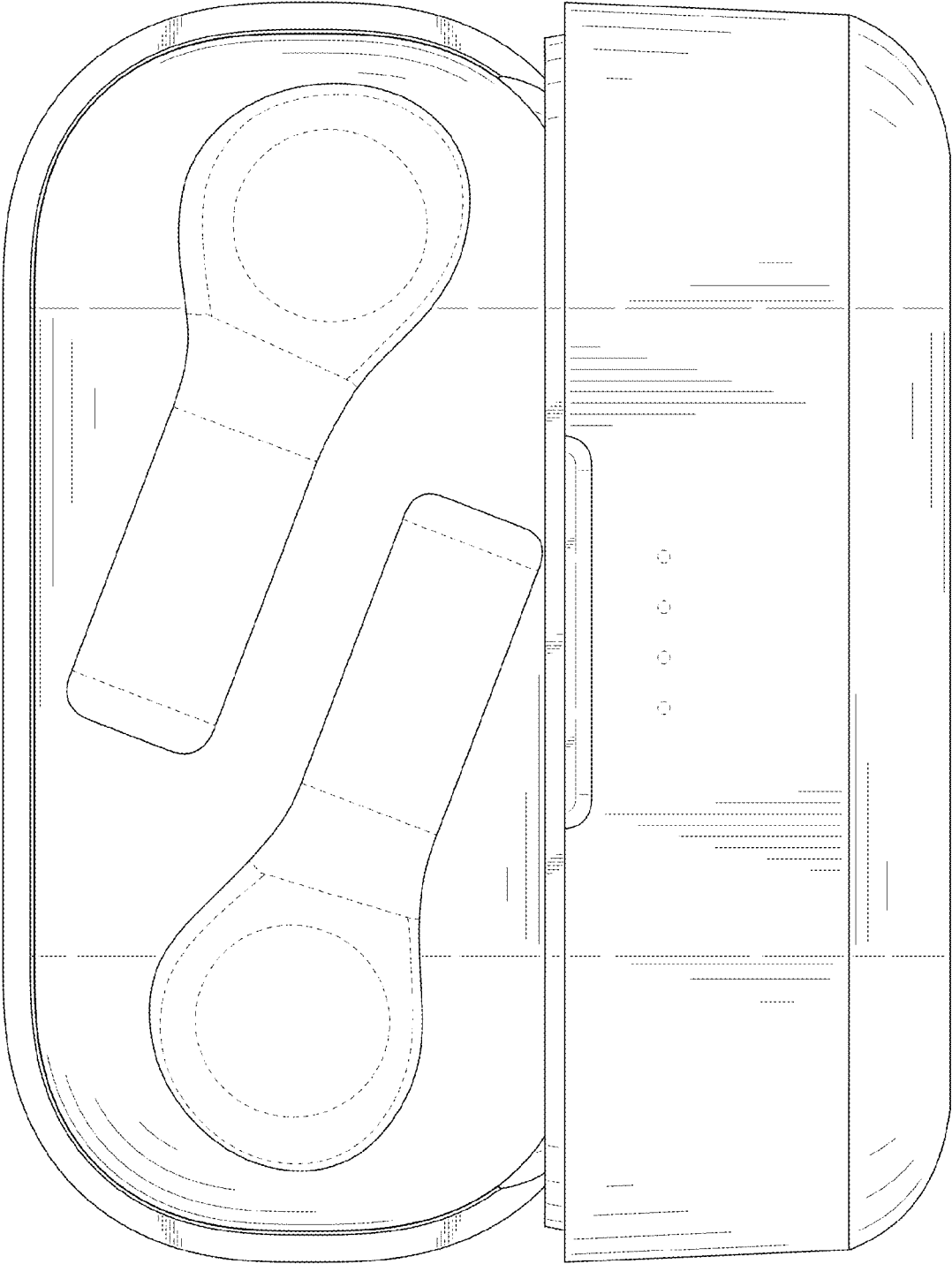


FIG. 12

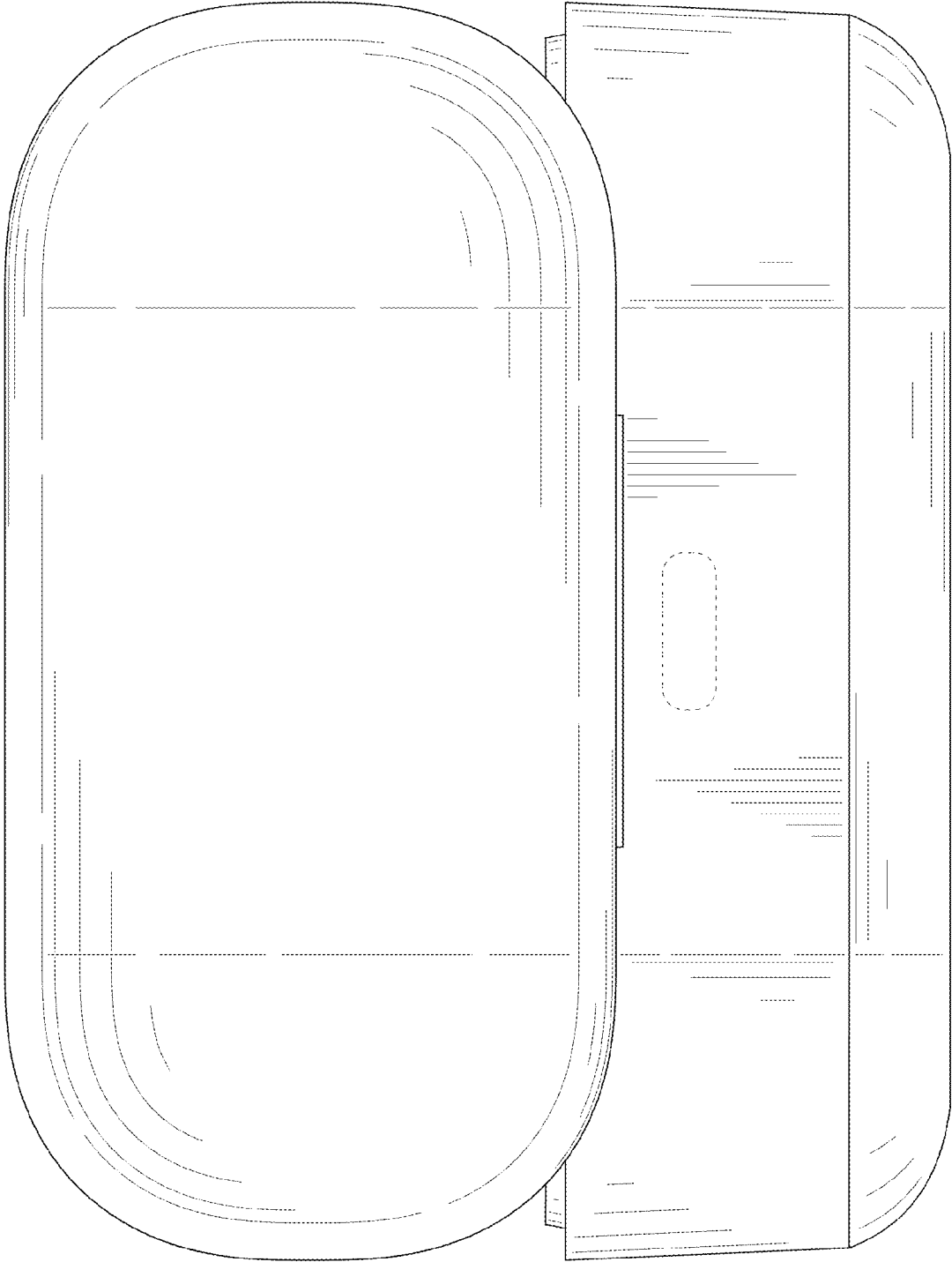


FIG. 13

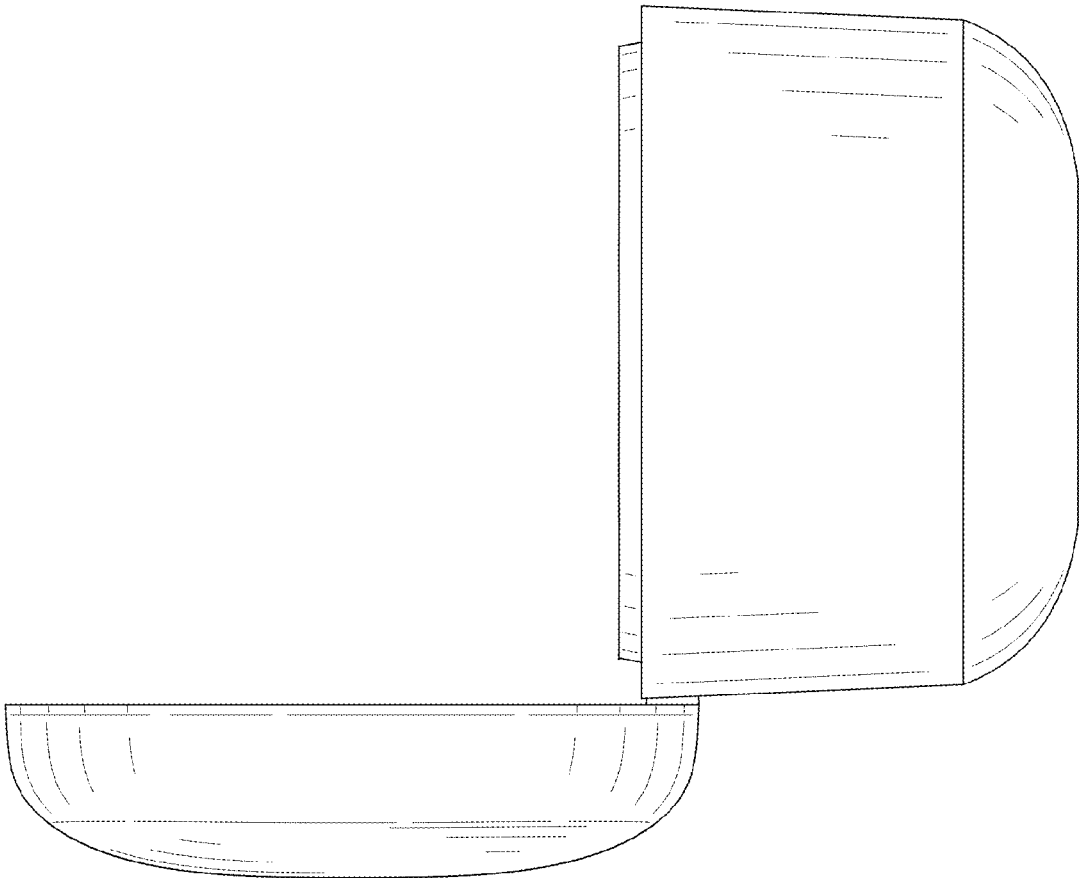


FIG. 14

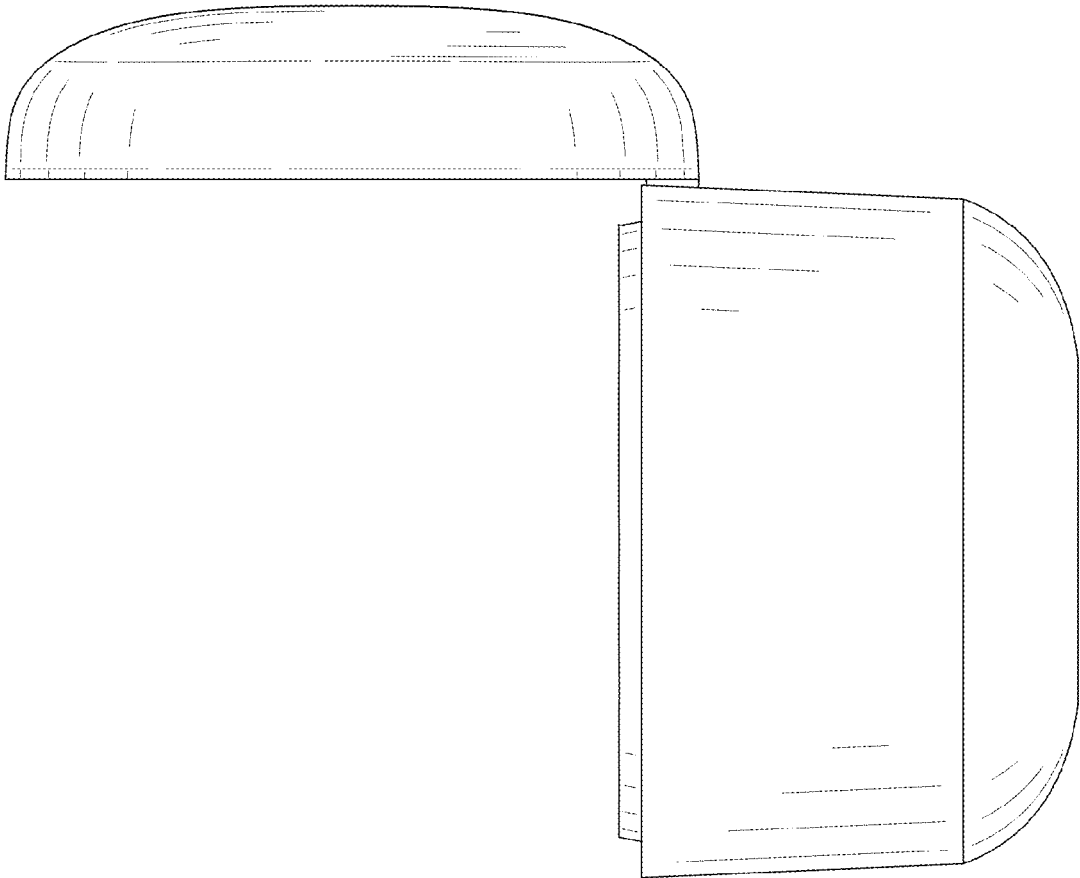


FIG. 15

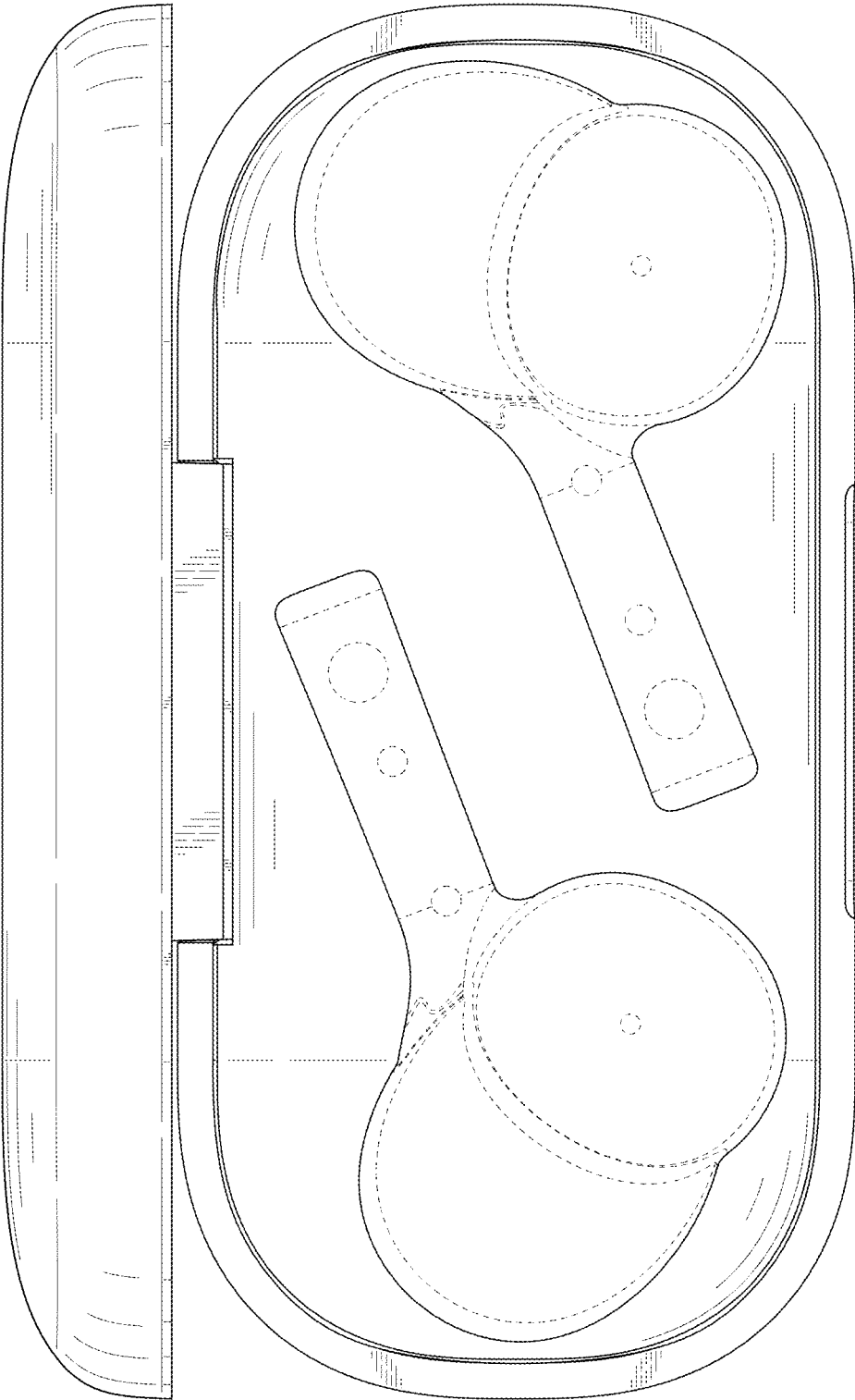


FIG. 16

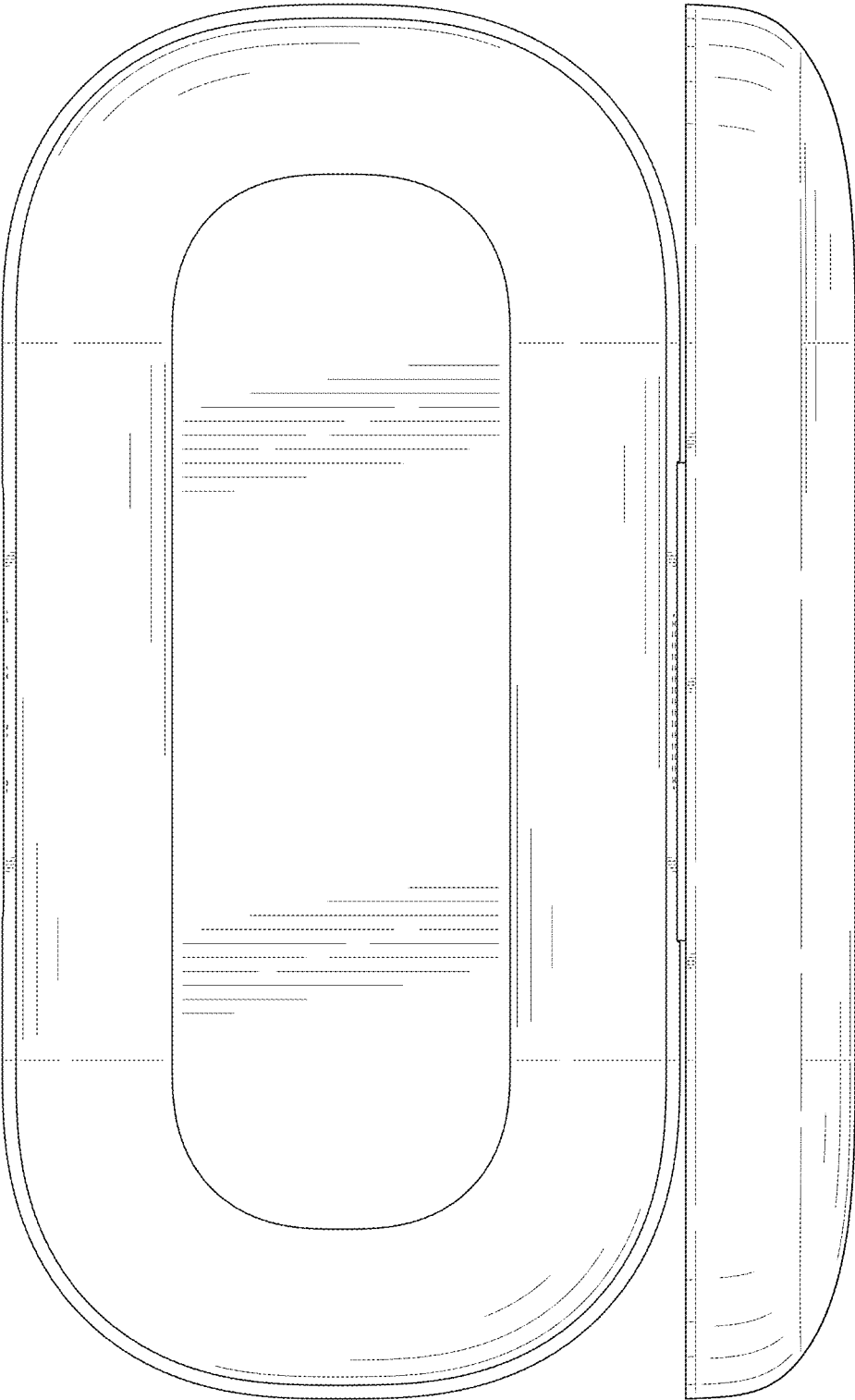


FIG. 17

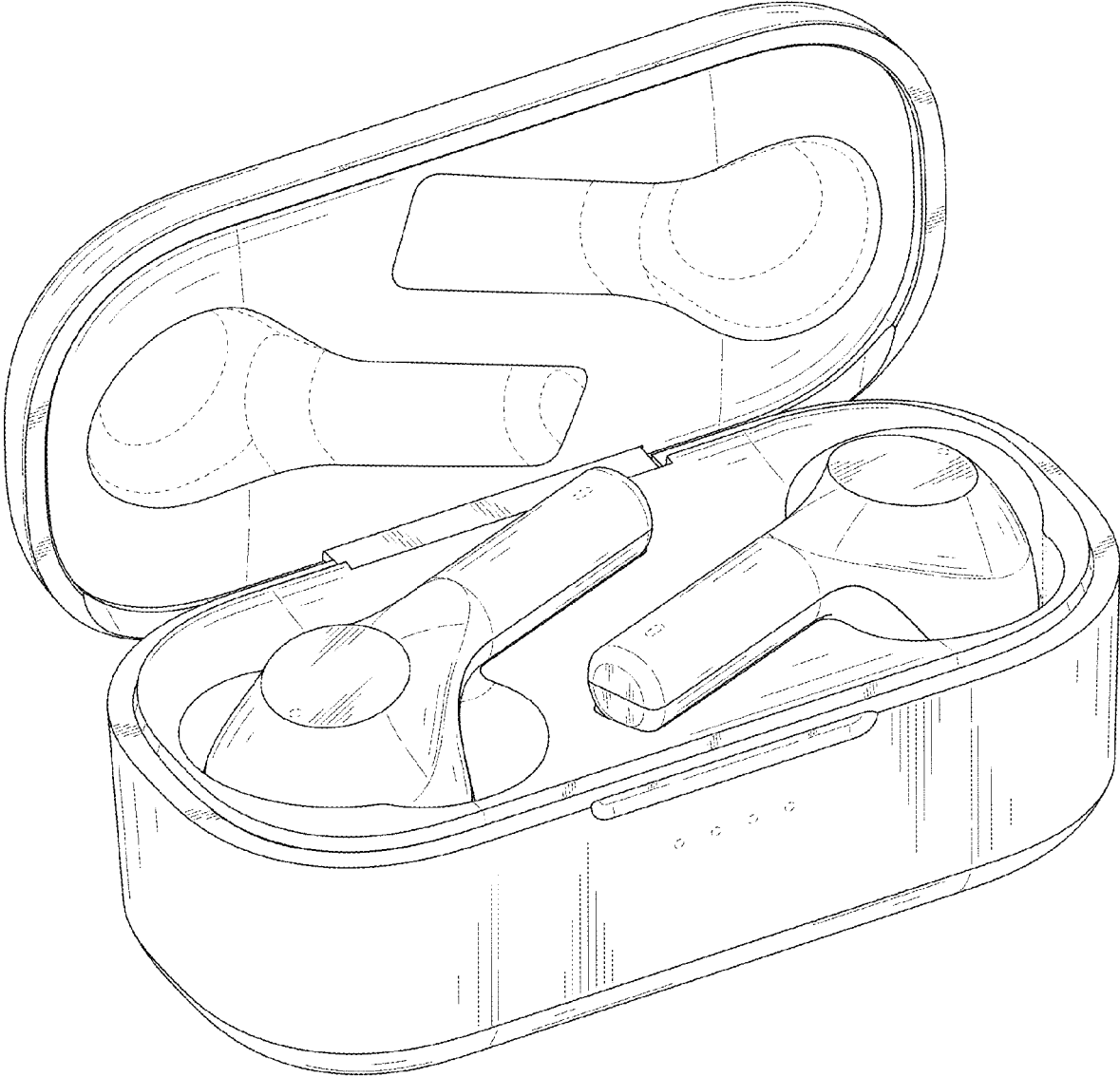


FIG. 18

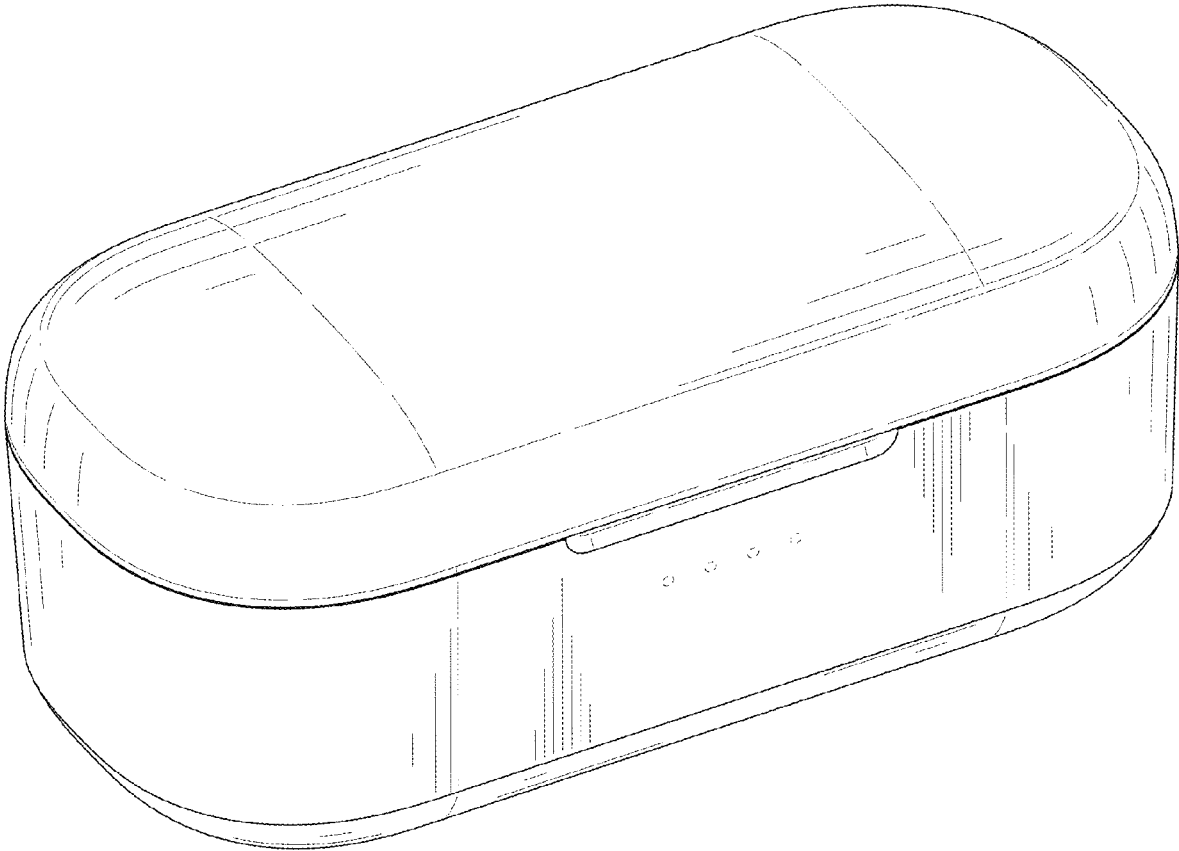


FIG. 19