



US00D971890S

(12) **United States Design Patent** (10) **Patent No.:** **US D971,890 S**
Wu (45) **Date of Patent:** **** Dec. 6, 2022**

(54) **EARPHONES**
(71) Applicant: **SHENZHEN XINZHENG YU TECHNOLOGY CO., LTD**, Shenzhen (CN)
(72) Inventor: **Junhua Wu**, Shenzhen (CN)
(73) Assignee: **SHENZHEN XINZHENG YU TECHNOLOGY CO., LTD**, Shenzhen (CN)

D637,997 S * 5/2011 Peller D14/205
D637,999 S * 5/2011 Brunner D14/205
D641,010 S * 7/2011 Kwon D14/223
D652,817 S * 1/2012 Lee D14/205
D652,822 S * 1/2012 Lee D14/223
D654,056 S * 2/2012 Hoggarth D14/223
D666,581 S * 9/2012 Perez D14/223
8,275,166 B2 * 9/2012 Wu H04R 25/00
381/384
8,600,095 B2 * 12/2013 Yuen H04R 1/1041
381/87
D699,226 S * 2/2014 Yoon D14/206
(Continued)

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

FOREIGN PATENT DOCUMENTS

(21) Appl. No.: **29/796,375**
(22) Filed: **Jun. 24, 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
CPC H04R 25/00; H04R 1/10; H04R 1/1016;
H04R 1/1066; H04R 5/033; H04R
5/0335; H04R 1/1083; H04R 1/1091;
H04R 1/1033
See application file for complete search history.

CN 307481111 * 8/2022
EM 001474134-0001 * 9/2019
GB 9006792735-0001 * 8/2019

Primary Examiner — Paula Allen Greene

(57) **CLAIM**

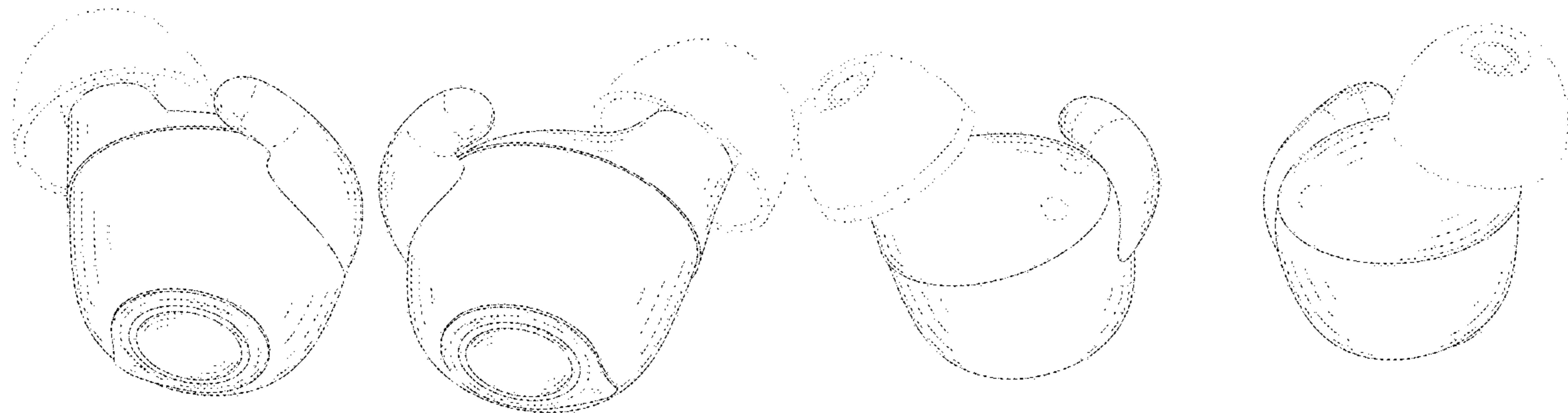
The ornamental design for earphones, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of earphones showing my new design;
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; and,
FIG. 9 is a perspective view of the earphones where the earphones are received in an earphone charging case.
The broken lines in the drawings depict portions of the earphones that form no part of the claimed design.

(56) **References Cited**
U.S. PATENT DOCUMENTS
4,539,708 A * 9/1985 Norris H04B 1/088
455/100
4,585,089 A * 4/1986 Topholm H04R 25/65
381/328
5,054,079 A * 10/1991 Frielingsdorf H04R 1/46
379/430
6,122,388 A * 9/2000 Feldman H04R 25/652
381/328
7,120,267 B2 * 10/2006 Ito H04R 1/083
381/384
D603,380 S * 11/2009 Hutchieson D14/223

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D705,757 S * 5/2014 Yashiro H04R 1/10
D14/223
8,776,801 B2 * 7/2014 McIntosh H04R 1/1083
181/135
D711,356 S * 8/2014 Yang D14/223
D719,550 S * 12/2014 Yang D14/223
D725,082 S * 3/2015 Palmborg D14/223
8,983,108 B2 * 3/2015 Ho H04R 1/1058
381/328
D726,145 S * 4/2015 Hsieh D14/205
D727,871 S * 4/2015 Orbach D14/205
D733,102 S * 6/2015 Palmborg D14/223
D733,103 S * 6/2015 Jeong D14/224
D735,169 S * 7/2015 Shieh D14/223
9,087,506 B1 * 7/2015 Kraft H04R 1/1083
9,131,308 B2 * 9/2015 Kraft G10L 21/0232
D742,861 S * 11/2015 Miyake D14/223
D744,456 S * 12/2015 Pedersen D14/223
D764,445 S * 8/2016 Czaniecki D14/223
D773,441 S * 12/2016 Pedersen D14/223
D777,710 S * 1/2017 Palmborg D14/223
D778,267 S * 2/2017 Hsieh D14/223
D781,269 S * 3/2017 Choe D14/223
D788,079 S * 5/2017 Son D14/223
D798,843 S * 10/2017 Valenzuela D14/223
D800,097 S * 10/2017 Chen D14/223
D801,951 S * 11/2017 Bao D14/223
D806,879 S * 1/2018 Horbinski D24/174
D809,487 S 2/2018 Lee et al.
D812,042 S * 3/2018 Xiao D14/223
D813,206 S * 3/2018 Tang D14/223
D814,443 S * 4/2018 Sandanger H04R 1/1083
D24/174

D815,069 S 4/2018 Xiong
D818,990 S * 5/2018 Tzeng D14/223
D824,371 S * 7/2018 Loermann D24/174
10,052,065 B2 * 8/2018 Boesen A61B 5/6803
D836,089 S * 12/2018 Loermann D14/223
D841,627 S * 2/2019 Wen D14/223
D845,932 S * 4/2019 Lu D14/223
D847,126 S * 4/2019 Loermann D14/223
D852,782 S * 7/2019 Bergman D14/223
D863,260 S * 10/2019 Zheng D14/223
D864,167 S * 10/2019 Wu D14/223
D868,752 S * 12/2019 Zhu D14/223
D871,376 S * 12/2019 Zhou D14/223
D873,248 S * 1/2020 Weicheng D14/223
D875,719 S * 2/2020 Wen D14/223
D876,398 S * 2/2020 Cai D14/223
D877,721 S * 3/2020 Jung D14/223
D879,074 S * 3/2020 Komiya D14/223
D880,457 S * 4/2020 Zhu D14/223
D887,395 S * 6/2020 Wang D14/223
D892,085 S * 8/2020 Kim D14/223
D895,580 S * 9/2020 Yu D14/223
D897,321 S * 9/2020 Wei D14/223
D908,115 S * 1/2021 Mei D14/223
D918,181 S * 5/2021 Bailey D14/223
D922,357 S * 6/2021 Yang D14/223
D925,492 S * 7/2021 Sugiura D14/223
D929,970 S * 9/2021 Lin D14/223
D940,097 S * 1/2022 Tamamura D14/223
D940,107 S * 1/2022 He D14/223
D947,817 S * 4/2022 Nakamura D14/223
2008/0152183 A1 * 6/2008 Janik H04R 1/1066
381/375
2018/0376236 A1 * 12/2018 Prevoir H04R 1/105
2021/0076131 A1 * 3/2021 Minich H04R 1/1016
2022/0004272 A1 * 1/2022 Parker H04R 1/1041

* cited by examiner

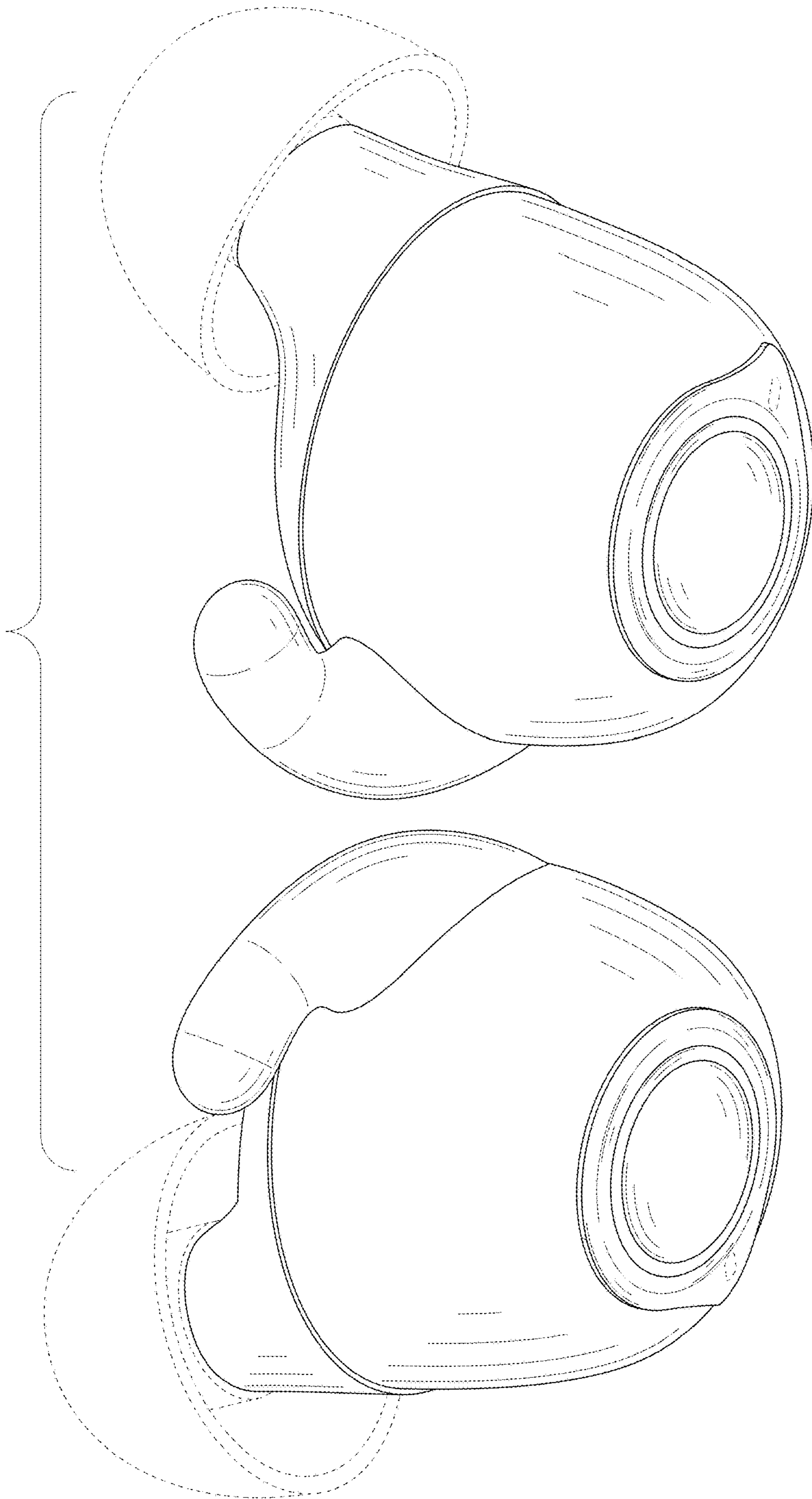


FIG. 1



FIG. 2

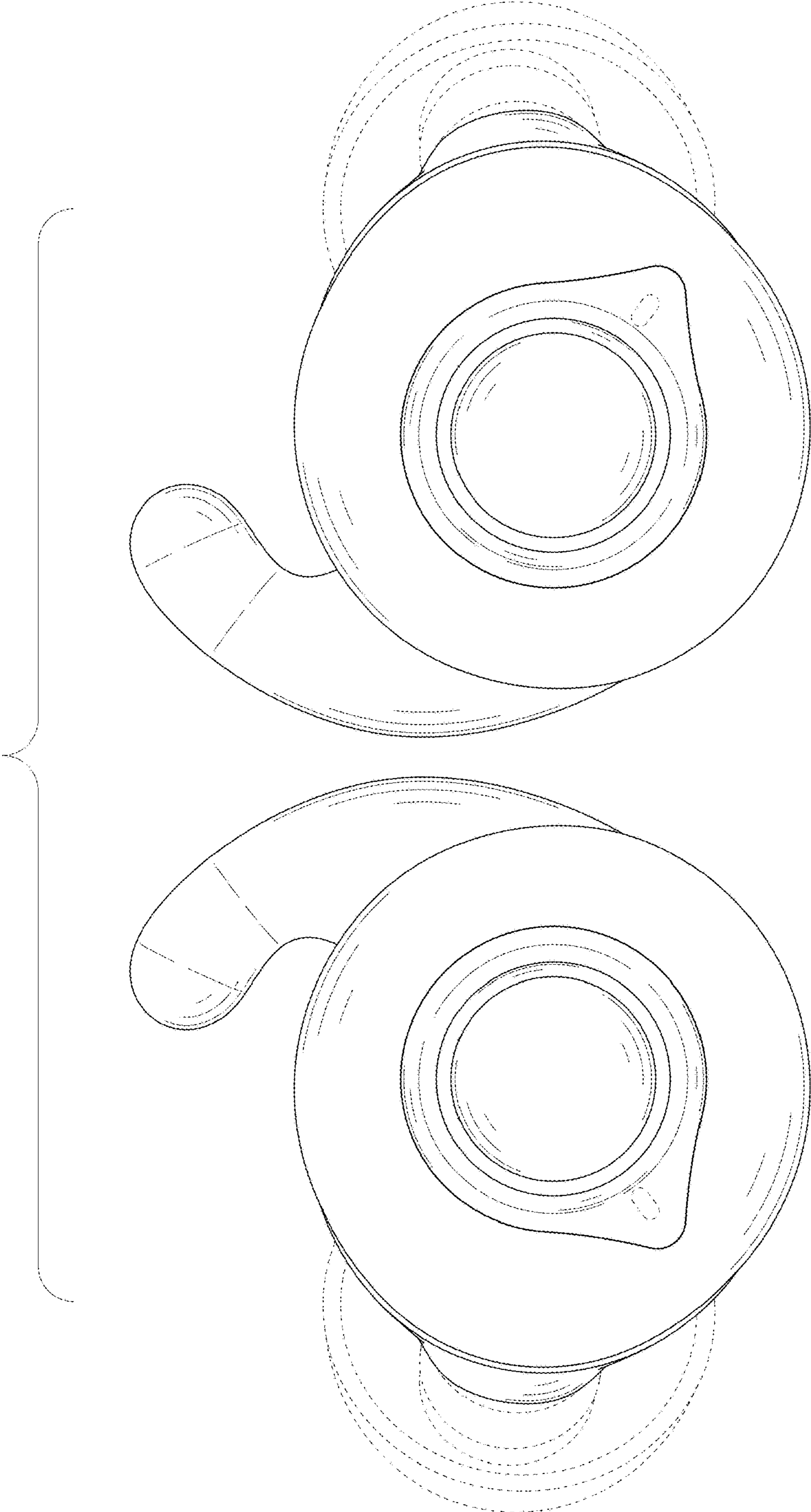


FIG. 3

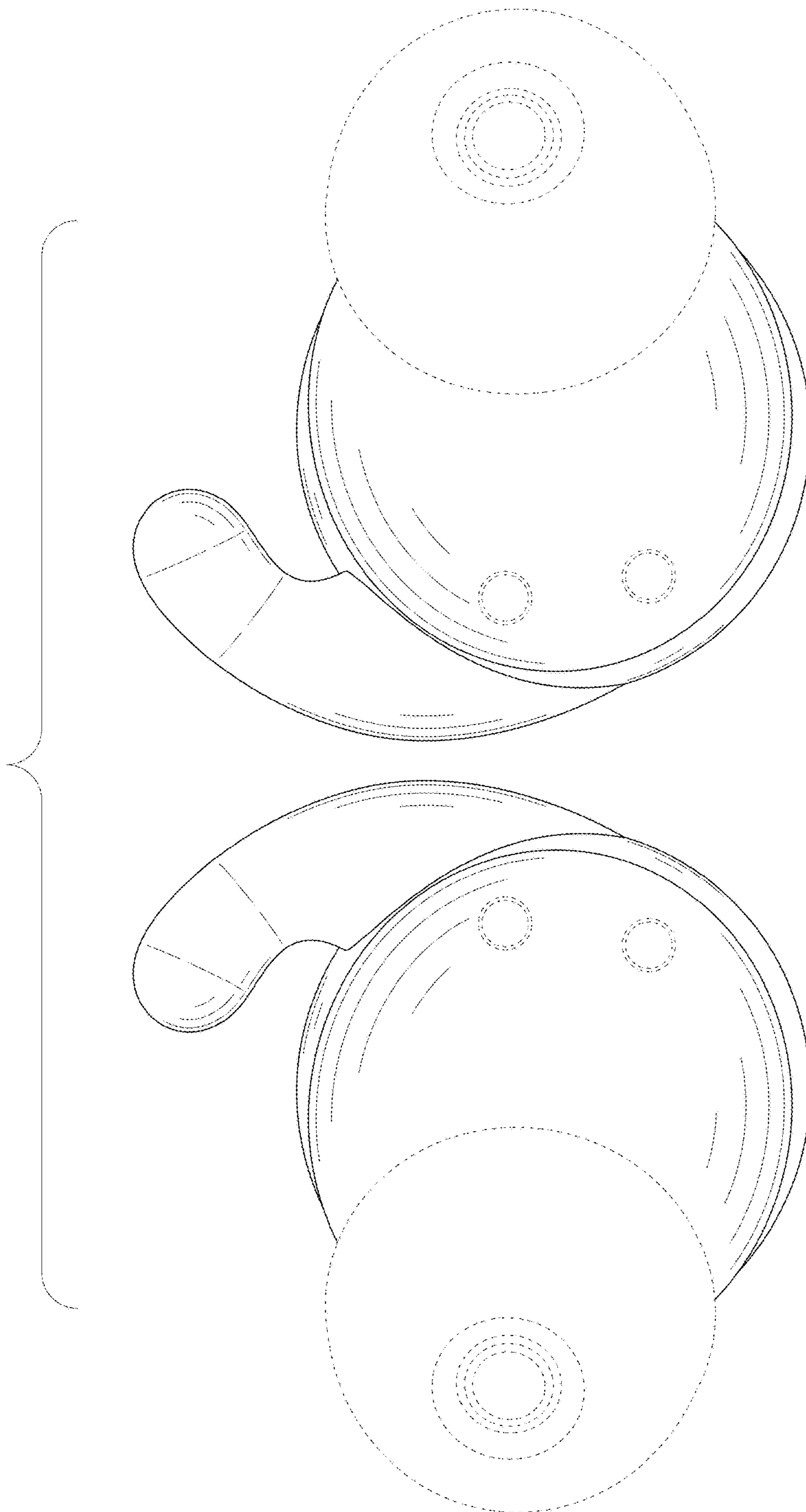


FIG. 4

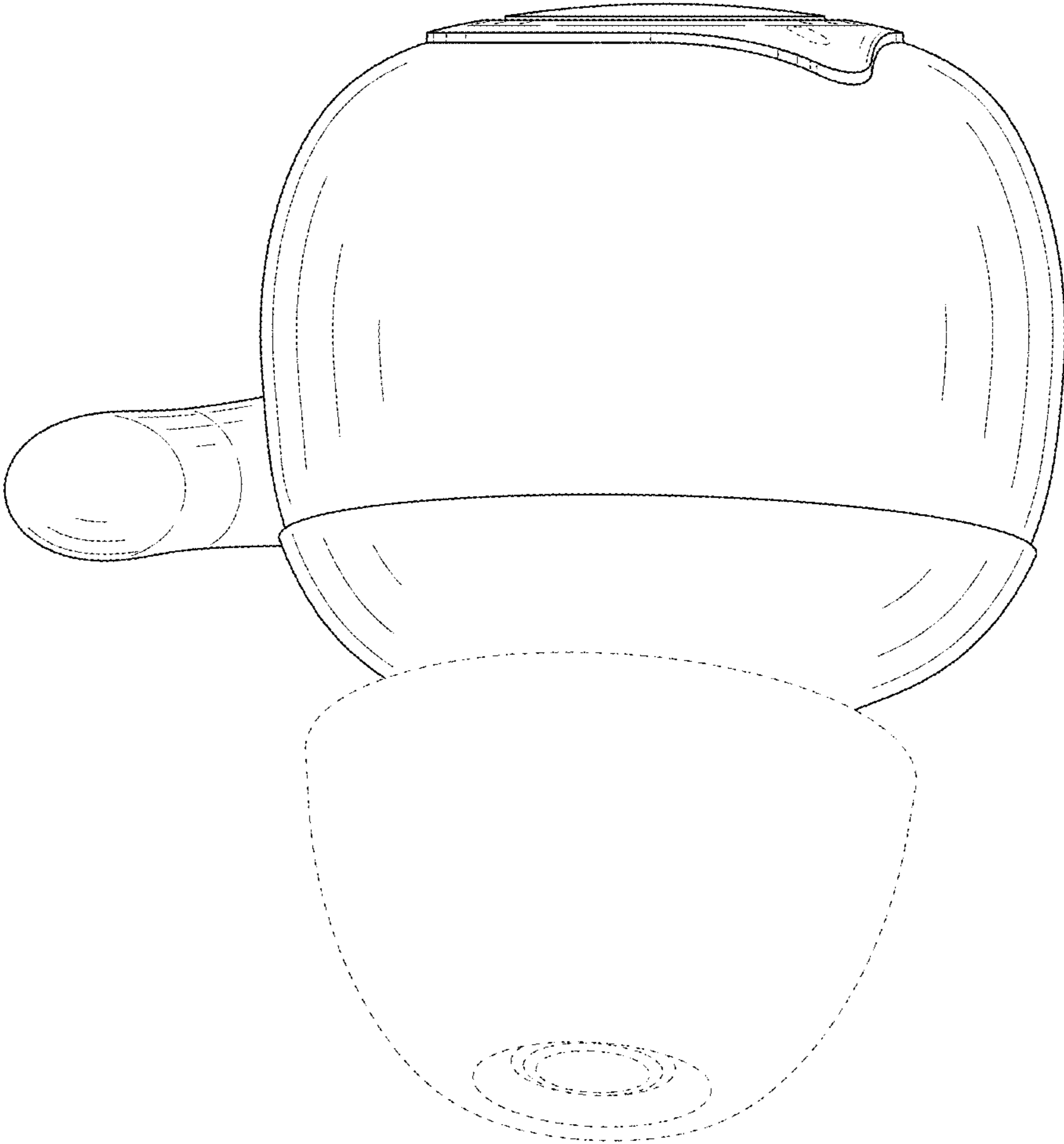


FIG. 5

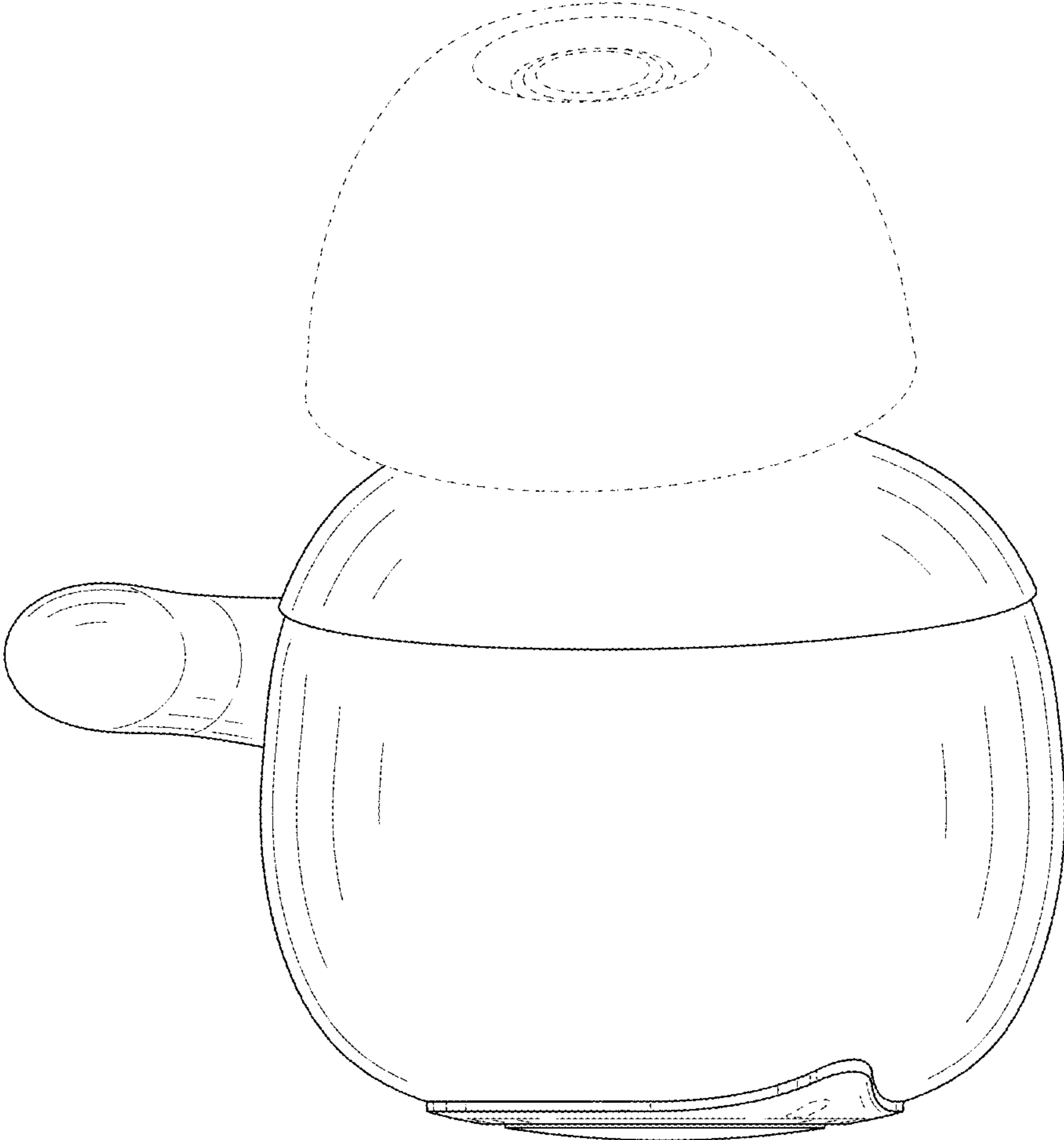


FIG. 6

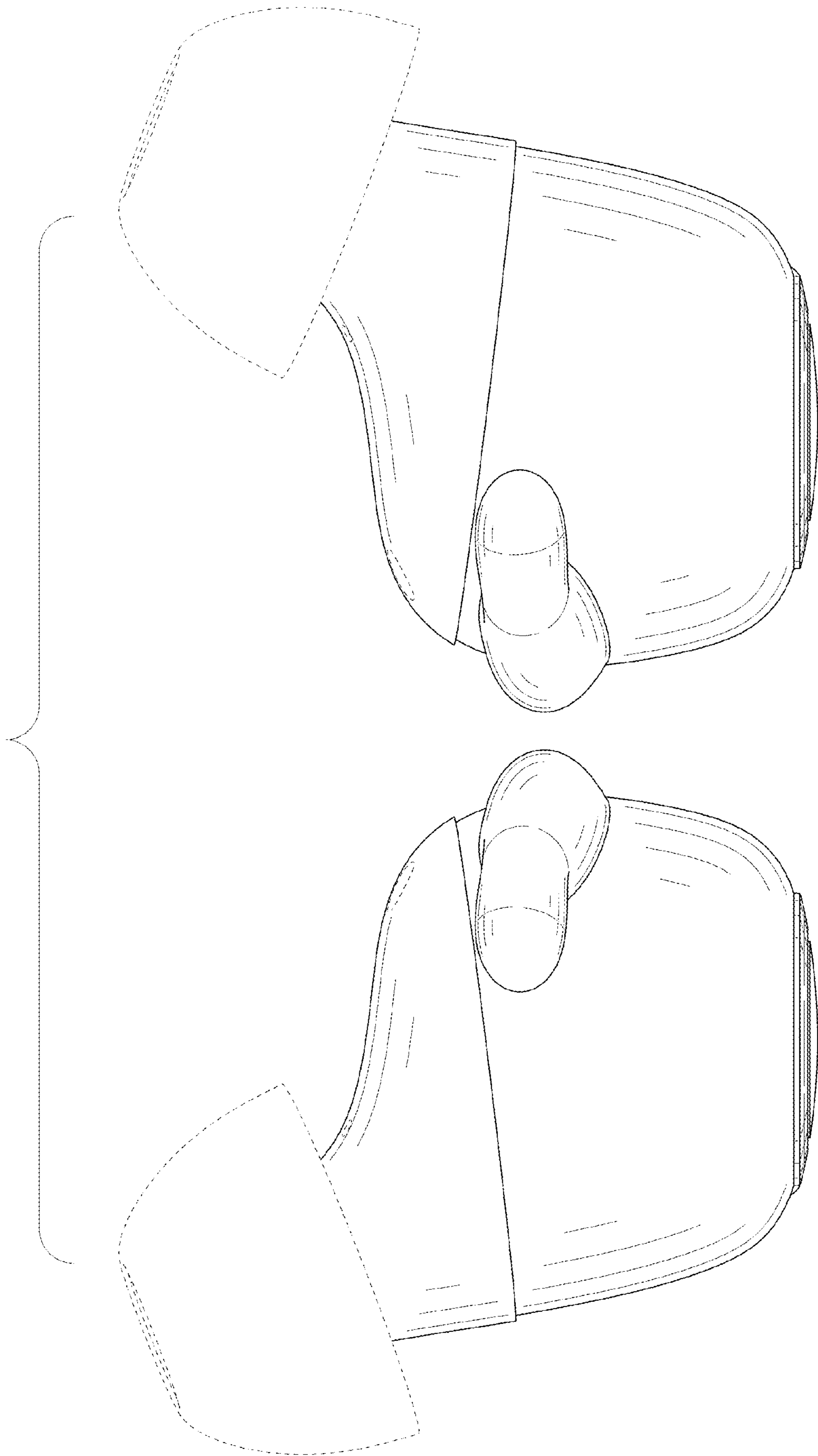


FIG. 7

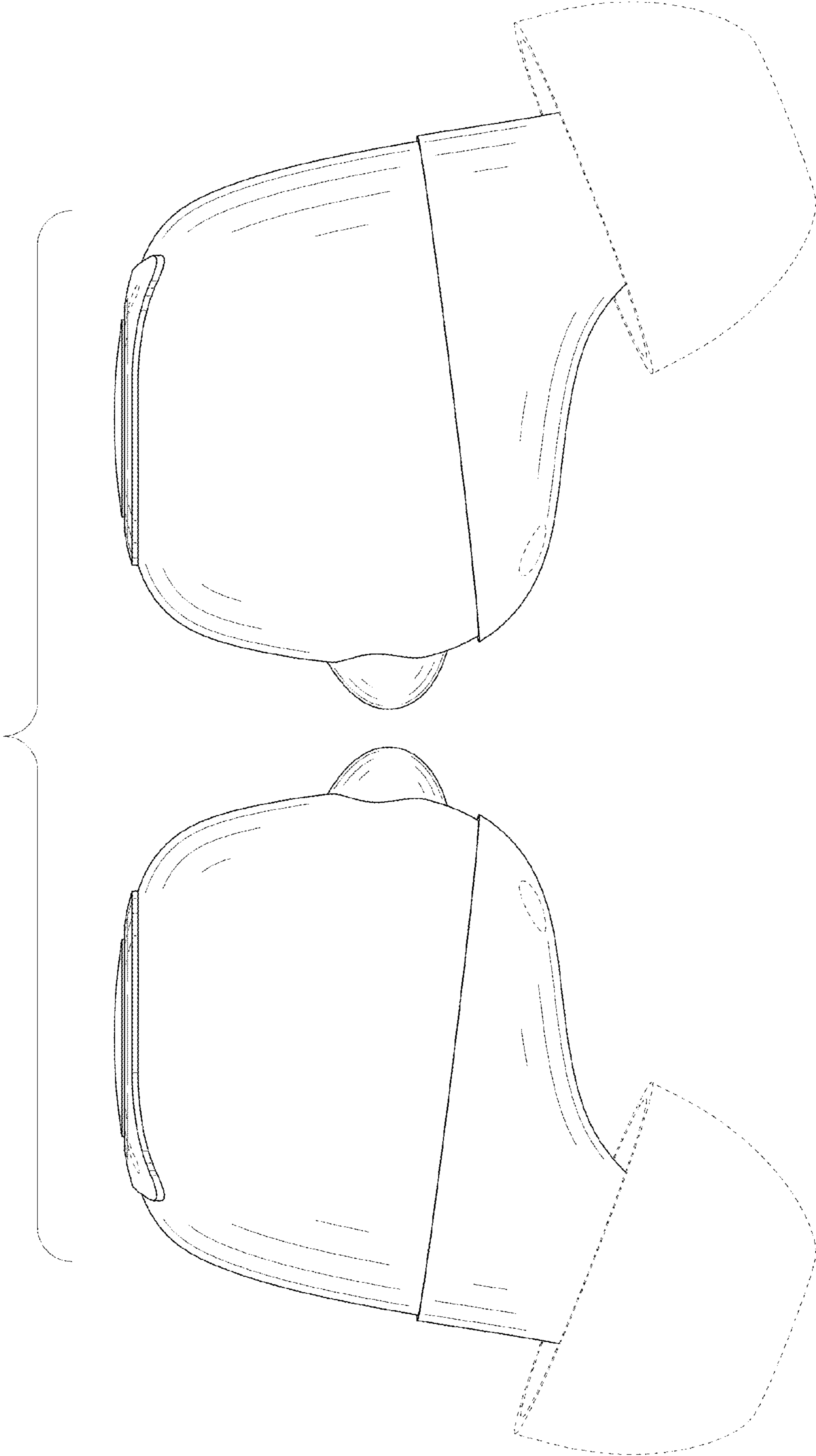


FIG. 8

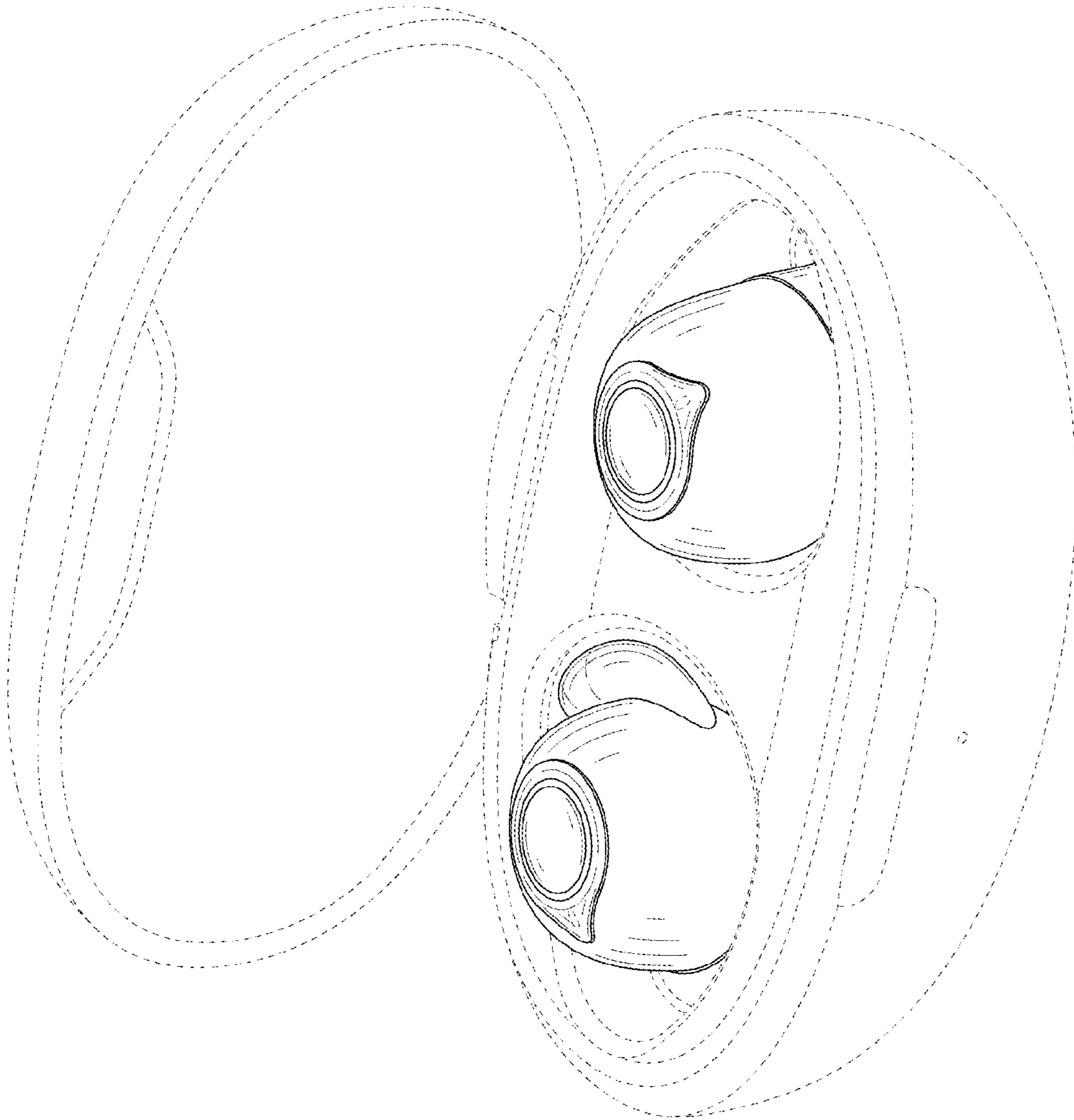


FIG. 9