



US00D931255S

(12) **United States Design Patent**
Zhang et al.

(10) **Patent No.:** **US D931,255 S**
(45) **Date of Patent:** **** Sep. 21, 2021**

(54) **EARPHONE**

(71) Applicant: **Dongguan UiiSii Electronics Co., Ltd,**
Guangdong (CN)

(72) Inventors: **Chunyan Zhang,** Guangdong (CN);
Yongguo Wu, Guangdong (CN); **Wei Li,**
Guangdong (CN); **Zhongda Chen,**
Guangdong (CN)

(73) Assignee: **Dongguan UiiSii Electronics Co., Ltd,**
Dongguan (CN)

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

(21) Appl. No.: **29/716,022**

(22) Filed: **Dec. 5, 2019**

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

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

(58) **Field of Classification Search**
USPC D14/223, 205, 206; D24/174; 128/864,
128/865, 866; 381/380, 381; 455/90.3,
455/575.1, 569.1

CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1016; H04R 5/033; H04R
5/0335; H04R 1/105; H04R 1/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 5,410,608 A * 4/1995 Lucey H04R 1/083
381/360
- D430,146 S * 8/2000 Lin D14/223
- D477,821 S * 7/2003 Bieltvedt D14/206
- D566,099 S * 4/2008 Komiyama D14/206
- D581,900 S * 12/2008 Caddes D14/206
- D583,804 S * 12/2008 Mahler D14/223
- D594,441 S * 6/2009 Lee D14/205
- D598,003 S * 8/2009 Park D14/149

- D598,894 S * 8/2009 Masuda D14/205
- D604,272 S * 11/2009 Kitayama D14/223
- D623,171 S * 9/2010 Chen D14/223
- D625,709 S * 10/2010 Yamamoto D14/223
- D626,117 S * 10/2010 Lowry D14/223
- D643,416 S * 8/2011 Chong D14/223
- D643,417 S * 8/2011 Lee D14/223
- D647,081 S * 10/2011 Kwon D14/223
- 8,175,315 B2 * 5/2012 Tanaka H04R 1/1016
381/370

(Continued)

FOREIGN PATENT DOCUMENTS

- CN 306412397 * 3/2021
- CN 306450949 * 4/2021

(Continued)

Primary Examiner — Paula Allen Greene

(57) **CLAIM**

The ornamental design for earphone, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an earphone showing our new design, the opposite earphone shown in FIG. 9 is a mirror image thereof;

FIG. 2 is a perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a back elevational view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

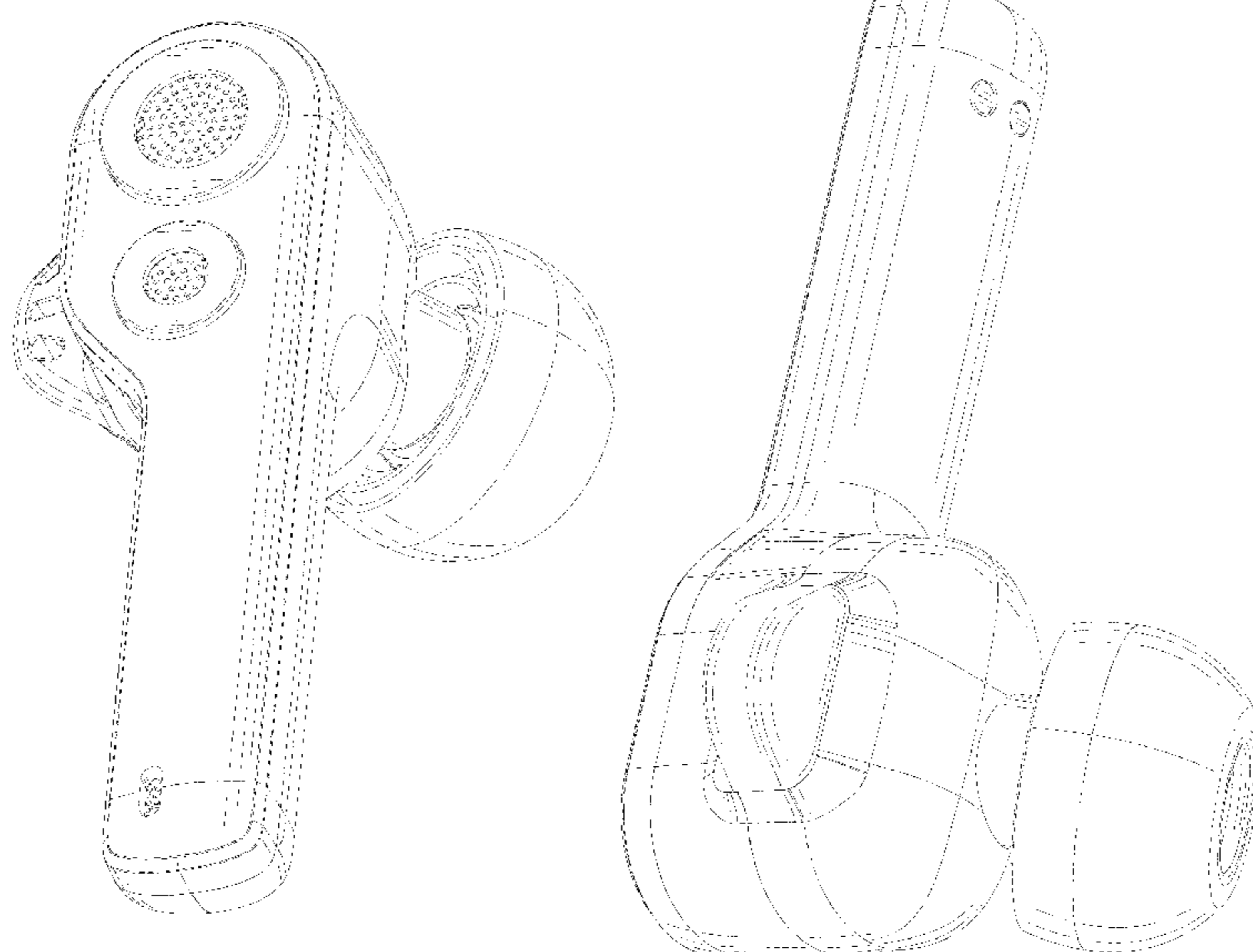
FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof; and,

FIG. 9 is a perspective view of both earphones placed in the headset box thereof, the earphones are mirror images of each other.

The broken lines in the drawing depict environmental subject matter only and form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D666,581 S * 9/2012 Perez D14/223
 D668,244 S * 10/2012 Matsumura D14/223
 D679,267 S * 4/2013 Lee D14/223
 D683,322 S * 5/2013 Derby D14/138 G
 D686,597 S * 7/2013 Lee D14/223
 D697,049 S * 1/2014 Krauss D14/205
 D698,761 S * 2/2014 Bao D14/223
 D701,195 S * 3/2014 Katsumata D14/223
 8,712,087 B2 * 4/2014 Ozawa H04R 1/1016
 381/380
 D711,356 S * 8/2014 Yang D14/223
 D712,874 S * 9/2014 Gauger, Jr. D14/206
 D712,884 S * 9/2014 Krauss D14/223
 D718,286 S * 11/2014 Yang D14/223
 D718,744 S * 12/2014 Thompson D14/223
 D719,548 S * 12/2014 Thompson D14/223
 8,908,888 B2 * 12/2014 Wei B82Y 30/00
 381/164
 D729,775 S * 5/2015 Seo D14/223
 D732,508 S * 6/2015 Funayama D14/223
 D733,101 S * 6/2015 Pi D14/223
 D735,169 S * 7/2015 Shieh D14/223
 D740,255 S * 10/2015 Samrelius D14/206
 D740,786 S * 10/2015 Huang D14/205
 D746,792 S * 1/2016 Kim D14/205
 D750,043 S * 2/2016 Birger D14/206
 D760,202 S * 6/2016 Hsieh D14/223
 D761,233 S * 7/2016 Kawaji D14/223
 D762,616 S * 8/2016 Hsieh D14/205
 D764,445 S * 8/2016 Czaniecki D14/223
 D766,209 S * 9/2016 Harper D14/206
 D770,426 S * 11/2016 LaBerge H04R 1/1058
 D14/223
 D775,108 S * 12/2016 Hsieh D14/223
 D777,710 S * 1/2017 Palmborg D14/223
 D778,268 S * 2/2017 Hsieh D14/223
 D780,155 S * 2/2017 Levine D14/205

D784,298 S * 4/2017 Ozawa D14/223
 D789,909 S * 6/2017 Hung D14/223
 D803,184 S * 11/2017 Loh Jun Kern D14/205
 D821,363 S * 6/2018 Chen D14/223
 D831,619 S * 10/2018 Matoba D14/223
 D848,982 S * 5/2019 Kim D14/223
 D852,171 S * 6/2019 Cai D14/223
 D860,975 S * 9/2019 Briggs D14/223
 D864,169 S * 10/2019 Min D14/223
 D864,919 S * 10/2019 Bonahoom D14/223
 D869,431 S * 12/2019 Czaniecki D14/205
 D869,445 S * 12/2019 Hu D14/223
 D872,064 S * 1/2020 Cai D14/223
 D872,065 S * 1/2020 Cai D14/223
 D872,711 S * 1/2020 Hu D14/223
 D873,248 S * 1/2020 Weicheng D14/223
 D882,553 S * 4/2020 Wu D14/223
 D883,260 S * 5/2020 Hu D14/223
 D887,394 S * 6/2020 Zhang D14/223
 D889,436 S * 7/2020 Zhang D14/223
 D890,724 S * 7/2020 Li D14/223
 D895,579 S * 9/2020 Yang D14/223
 D914,644 S * 3/2021 Zhu D14/223
 D916,058 S * 4/2021 Wu D14/223
 2009/0116678 A1 * 5/2009 Bevirt H04M 1/05
 381/381
 2012/0275632 A1 * 11/2012 Huang H04R 1/2826
 381/345
 2013/0195310 A1 * 8/2013 Lin H04R 1/105
 381/380
 2014/0064535 A1 * 3/2014 Zhao H04R 1/021
 381/332
 2019/0182575 A1 * 6/2019 Julstrom H04R 1/1083

FOREIGN PATENT DOCUMENTS

CN 306469367 * 4/2021
 CN 306478951 * 4/2021
 CN 306495024 * 4/2021

* cited by examiner

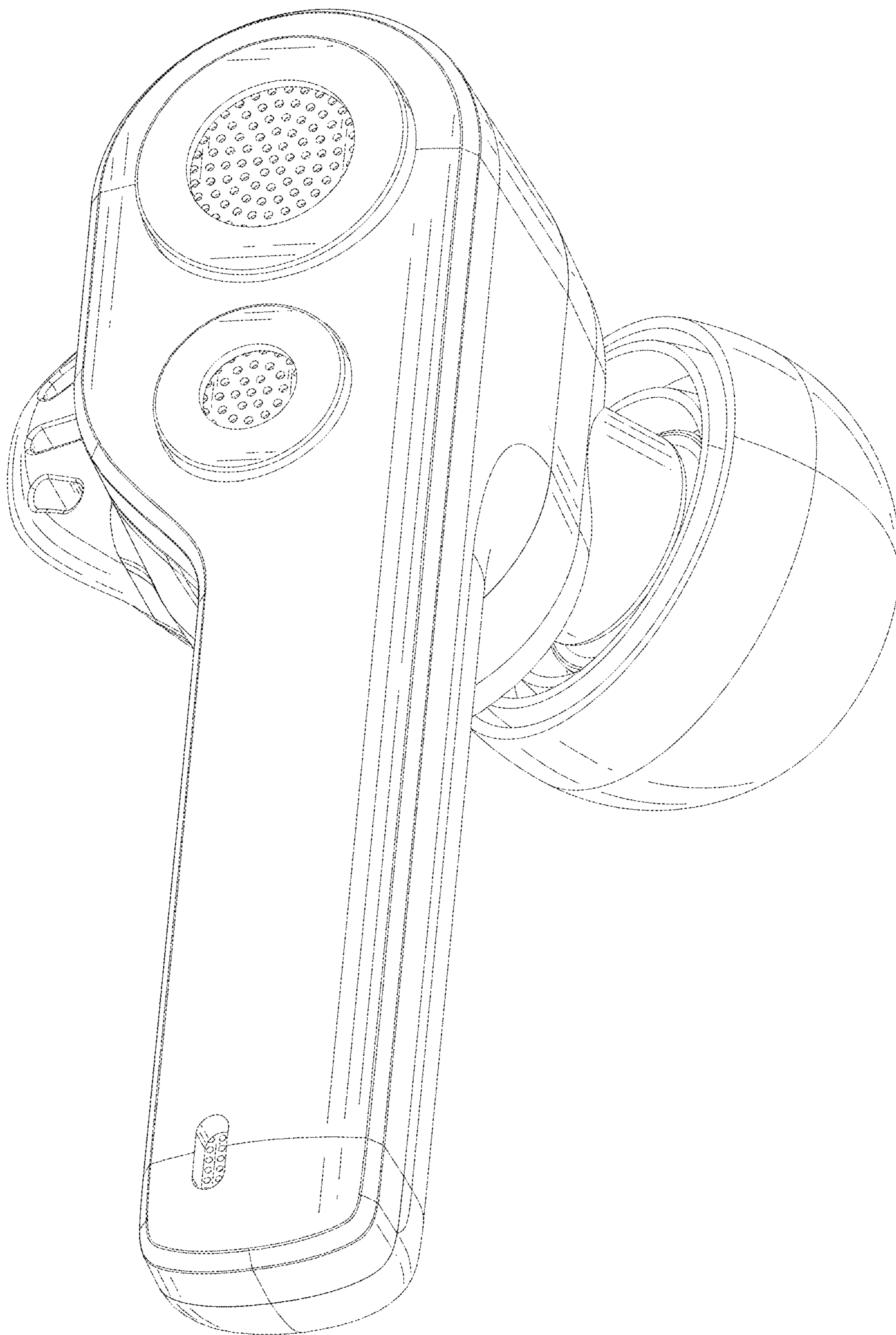


FIG. 1

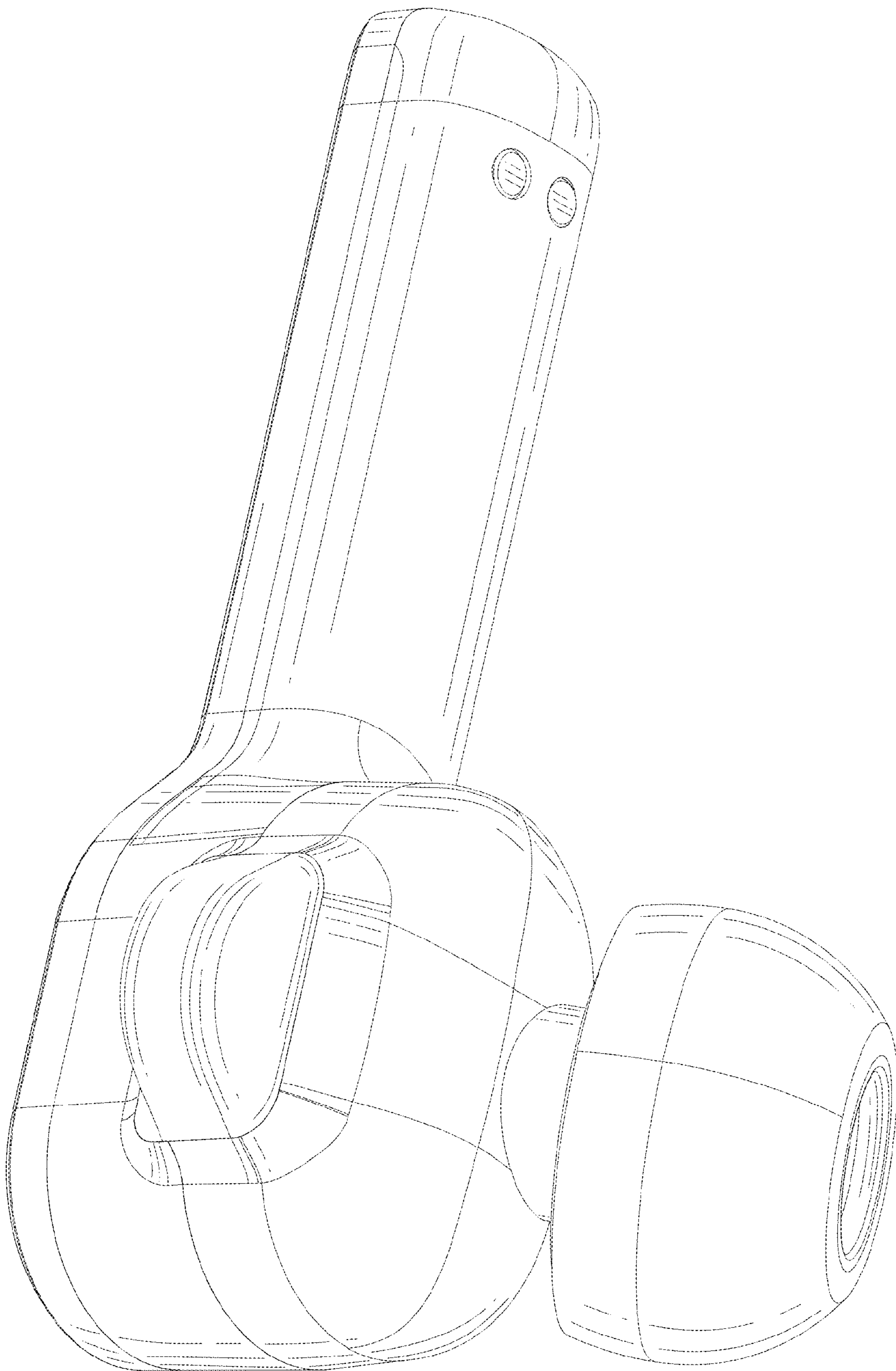


FIG. 2

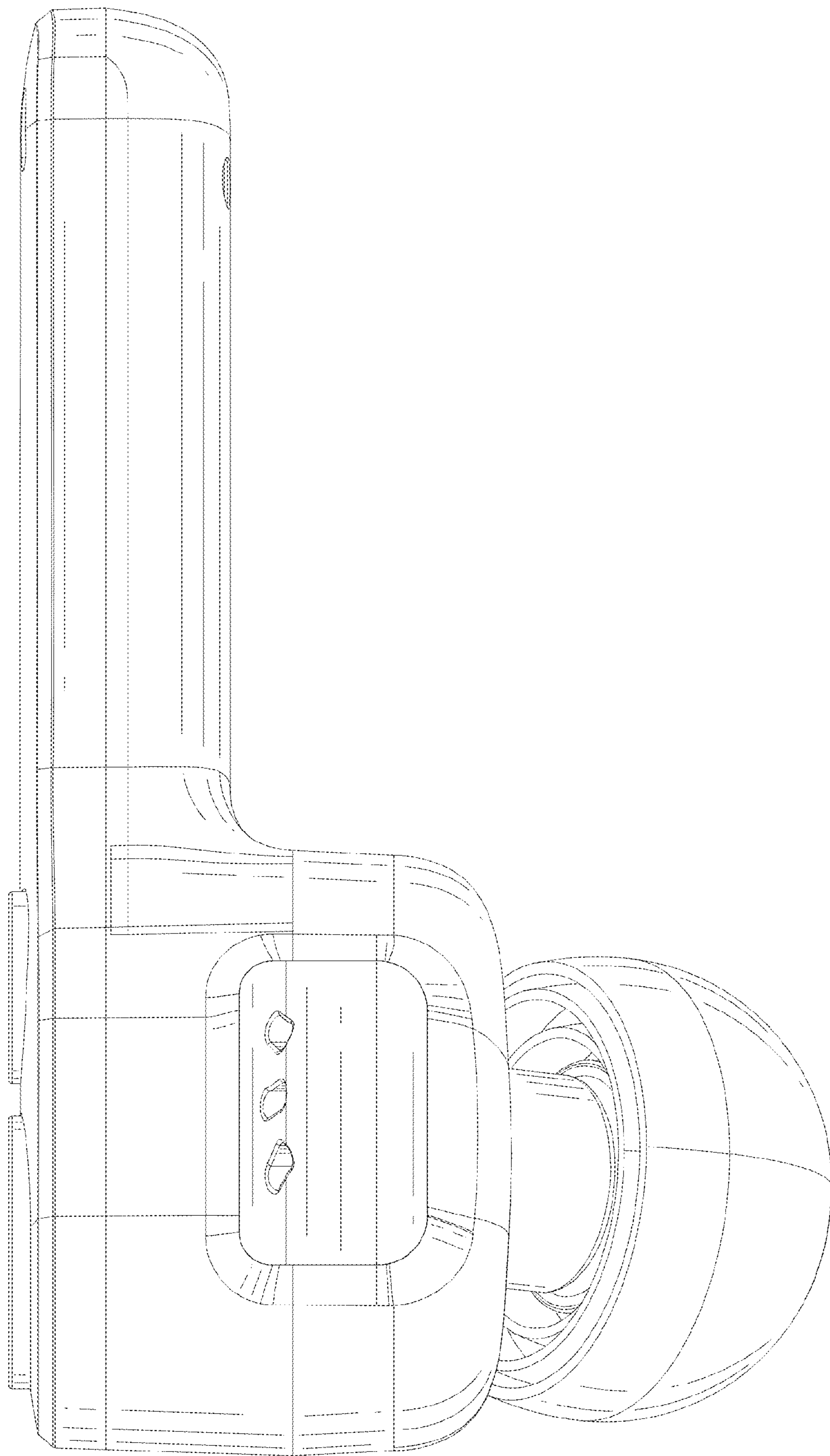


FIG. 3

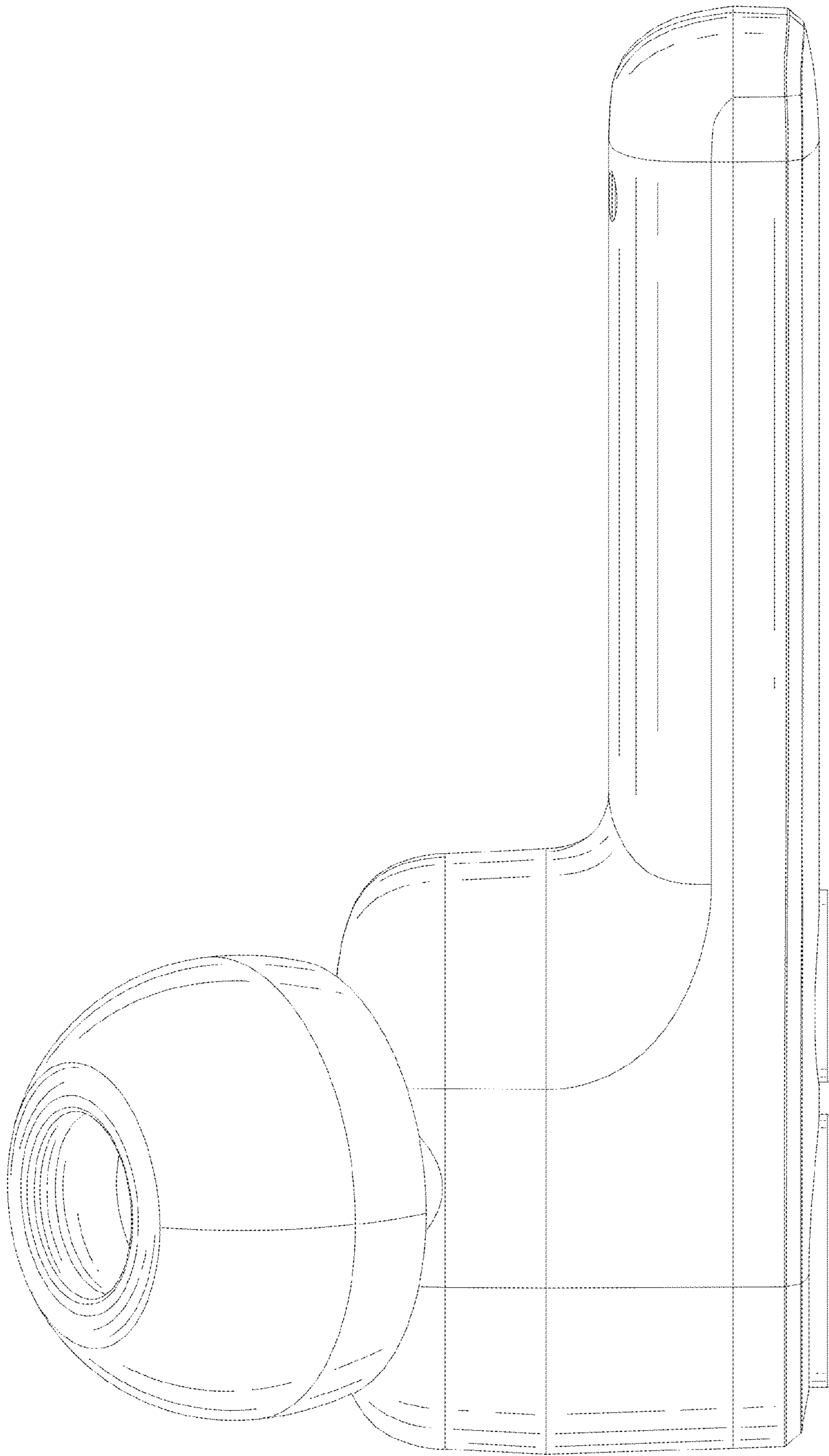


FIG. 4

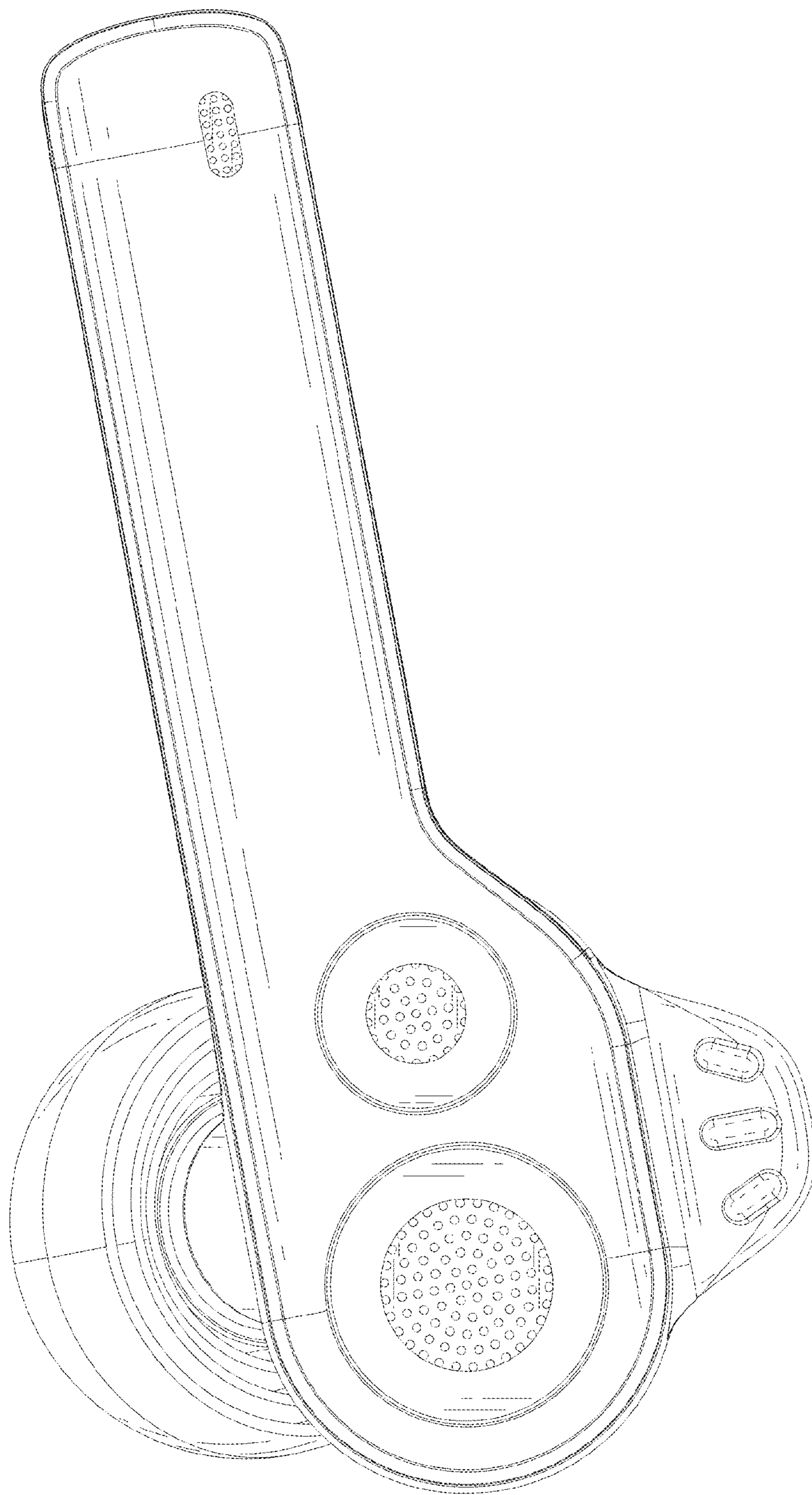


FIG. 5

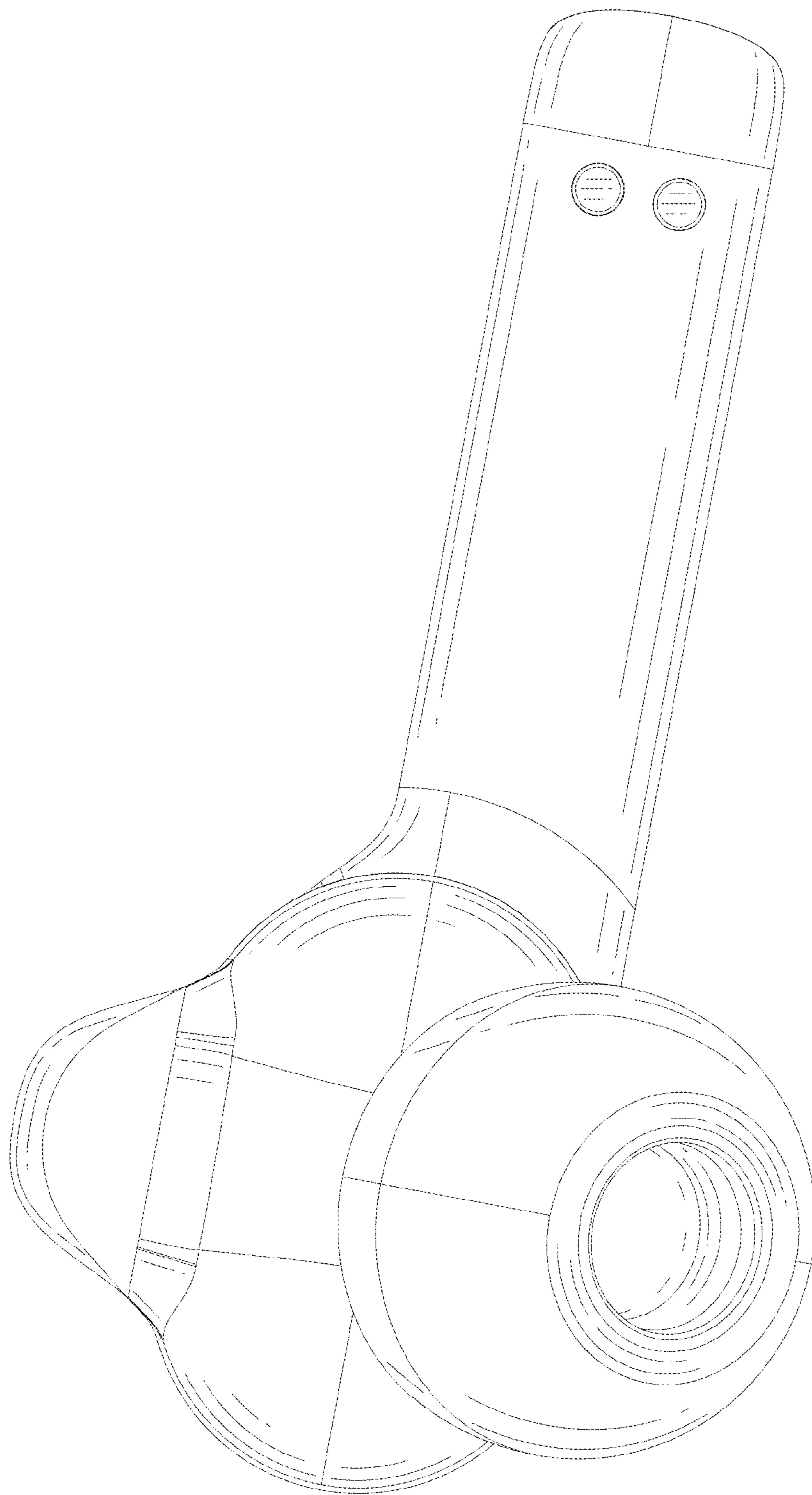


FIG. 6

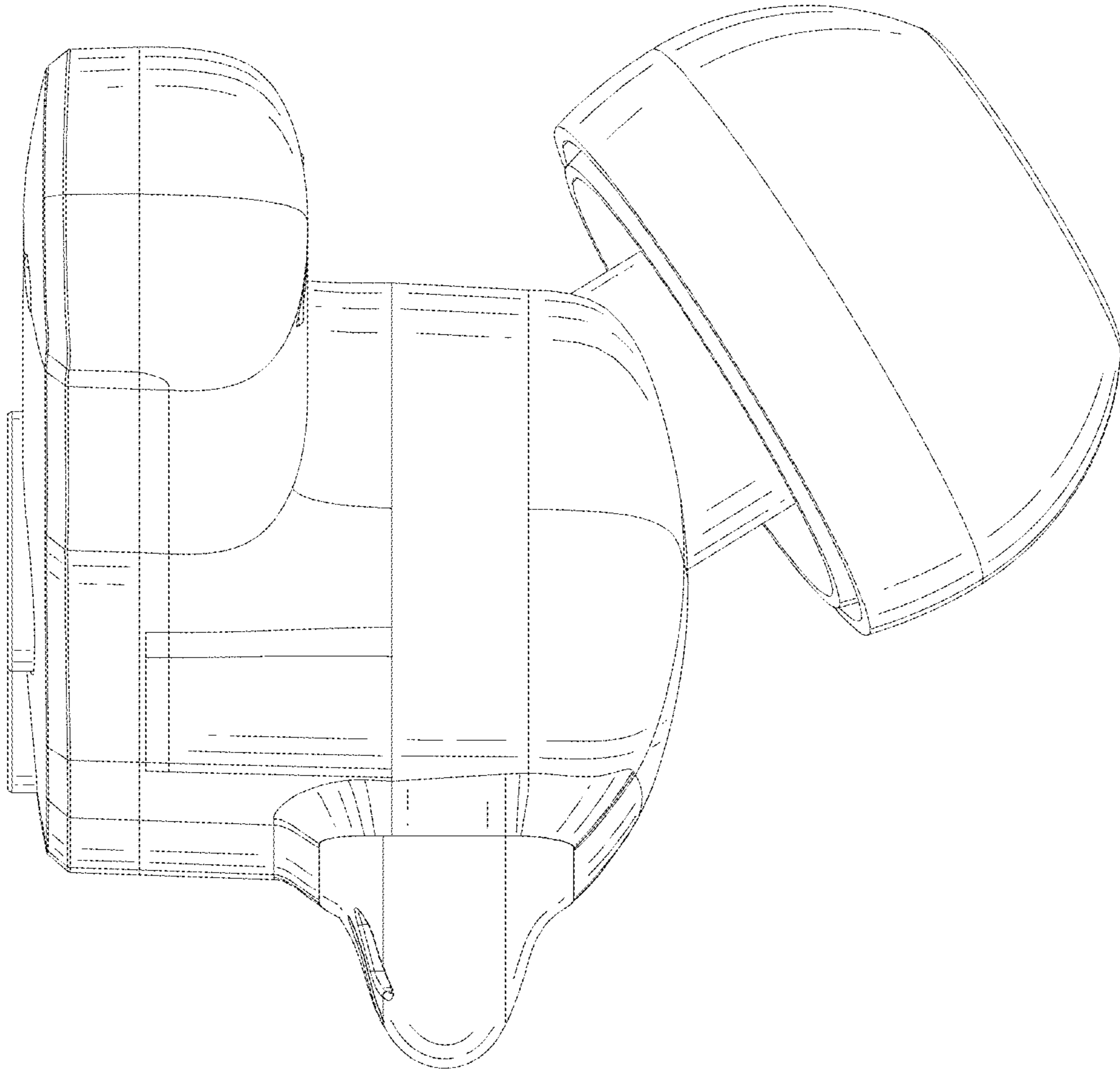


FIG. 7

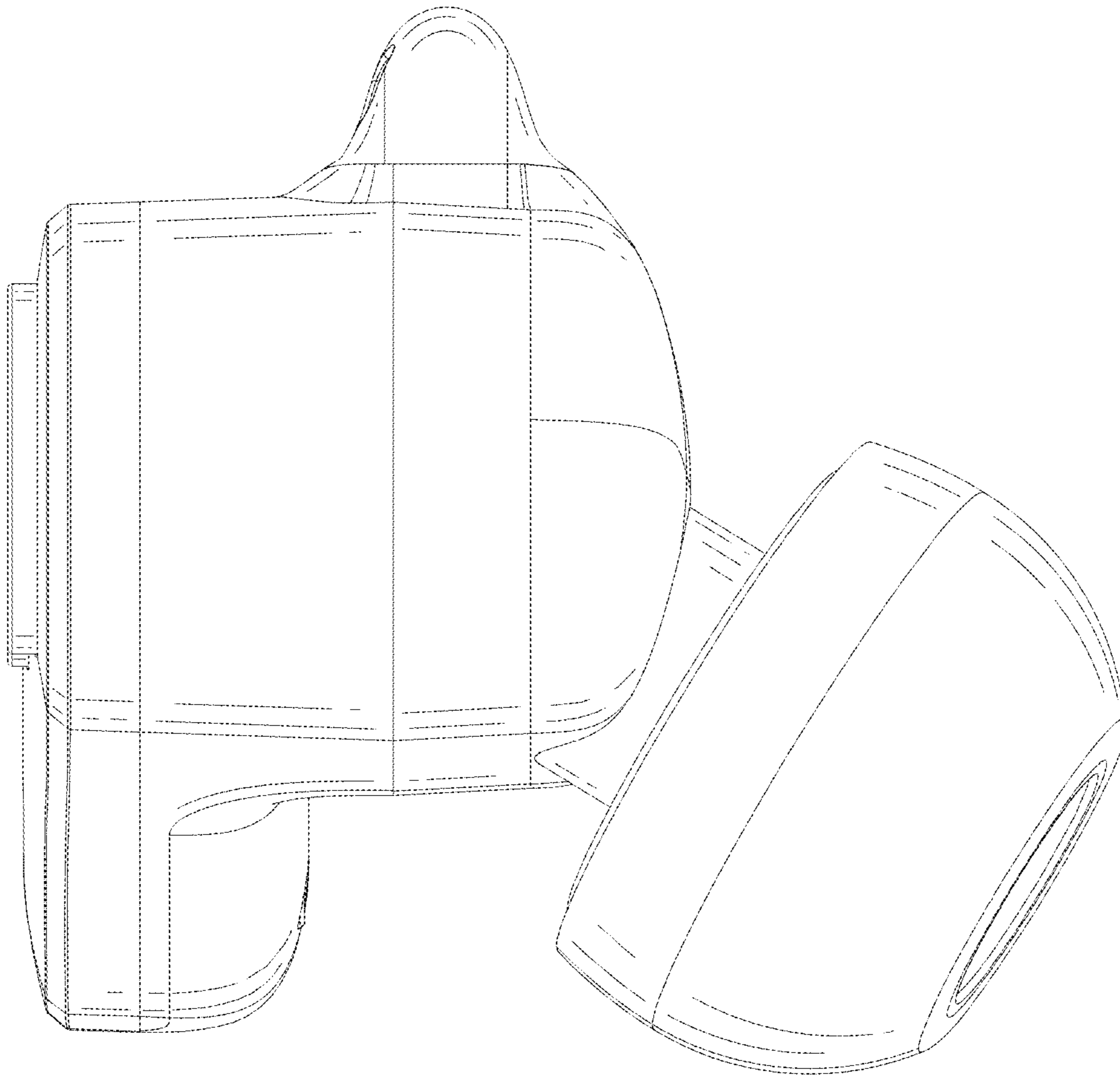


FIG. 8

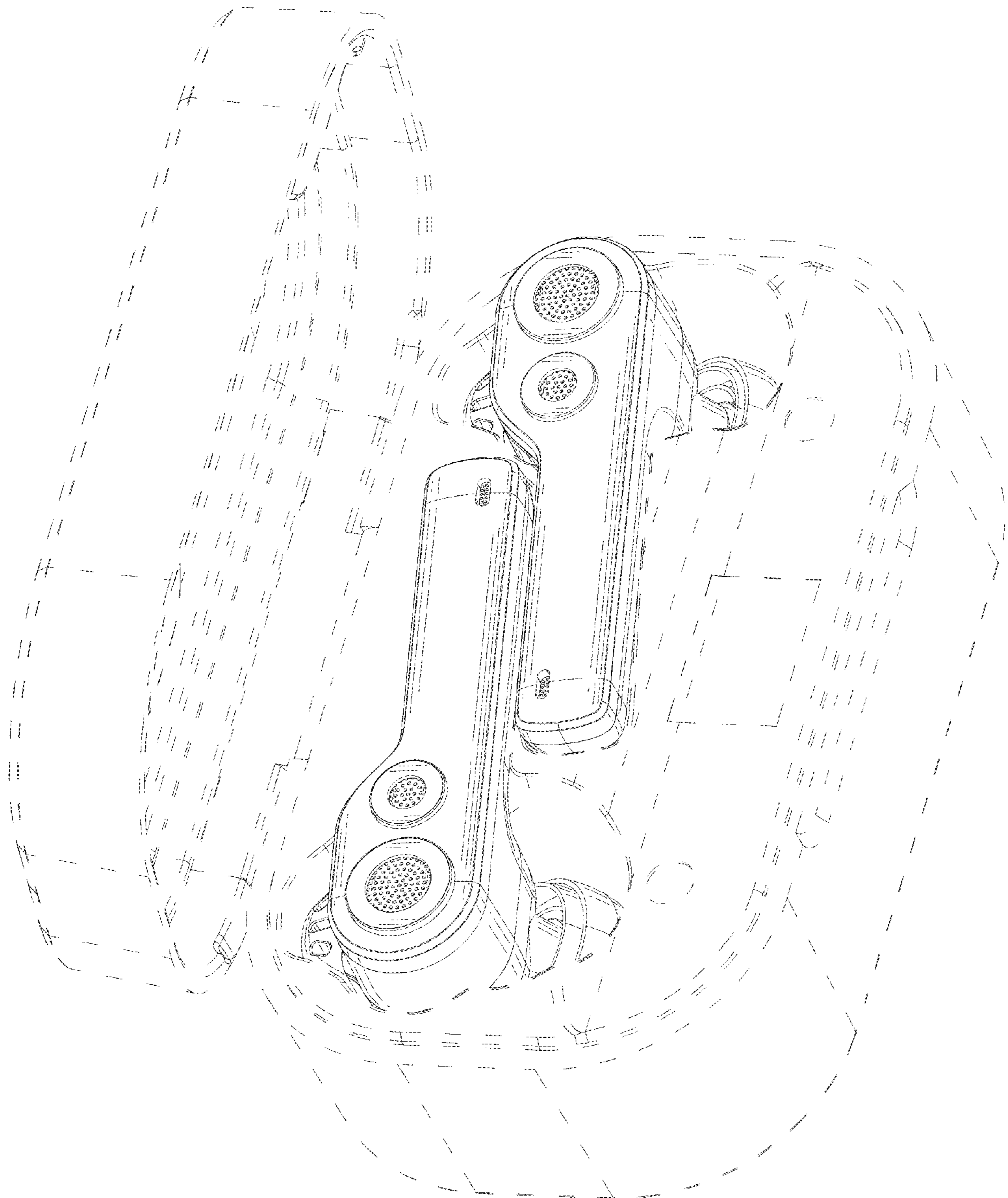


FIG. 9