



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

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(54) **EARPHONE**

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

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128/866; 381/380, 381; 455/90.3, 575.1,
455/569.1
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1066; H04R 1/1016; H04R
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D374,658 S * 10/1996 Bever D13/171
D531,169 S * 10/2006 Tokioka D14/223
D539,268 S * 3/2007 Suzuki D14/206
D554,627 S * 11/2007 Gondo D14/223
D556,741 S * 12/2007 Yeo D14/205

D567,217 S * 4/2008 Kamo D14/205
D572,703 S * 7/2008 Ledbetter D14/205
D576,154 S * 9/2008 Ledbetter D14/223
D579,005 S * 10/2008 Wilhelmsen D14/223
D587,681 S * 3/2009 Yanai D14/205
D587,685 S * 3/2009 Densho D14/206
D589,498 S * 3/2009 Komiyama D14/223
D597,084 S * 7/2009 Gondo D14/223
D598,894 S * 8/2009 Masuda D14/205
D599,778 S * 9/2009 Ando D14/205
D618,211 S * 6/2010 Oguro D14/205
D626,117 S * 10/2010 Lowry D14/223
D627,764 S * 11/2010 Tsai D14/223
D628,564 S * 12/2010 Chong D14/223
D629,395 S * 12/2010 Lee D14/223
D639,282 S * 6/2011 Ohori D14/223
D641,011 S * 7/2011 Gondo D14/223

(Continued)

FOREIGN PATENT DOCUMENTS

CN 306267706 * 1/2021
GB 9007481684-0001 * 1/2020
WO D205131-001 * 8/2019

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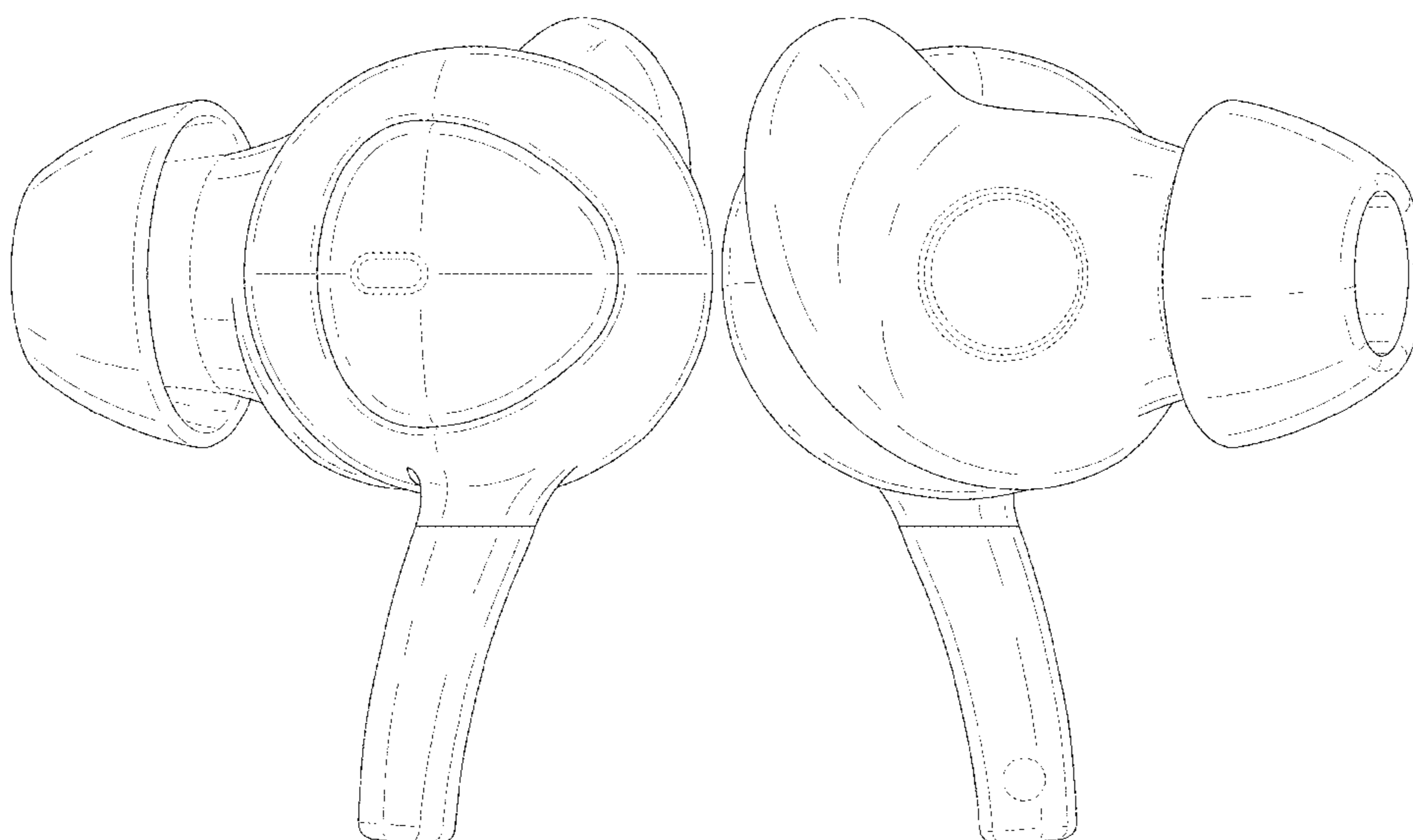
(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of an earphone, showing our new design;
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; and,
FIG. 7 is a bottom view thereof.
The even-dashed broken lines illustrating portions of the form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D642,163 S * 7/2011 Lee D14/223
 D643,416 S * 8/2011 Chong D14/223
 D647,081 S * 10/2011 Kwon D14/223
 D660,290 S * 5/2012 Weedon D14/223
 8,175,315 B2 * 5/2012 Tanaka H04R 1/1016
 381/370
 D664,523 S * 7/2012 Naitou D14/223
 D666,580 S * 9/2012 Lee D14/223
 D668,244 S * 10/2012 Matsumura D14/223
 D678,251 S * 3/2013 Cantoni D14/223
 8,422,717 B2 * 4/2013 Lin H04R 1/1091
 381/372
 D683,332 S * 5/2013 Lee D14/223
 D689,848 S * 9/2013 Lee D14/223
 D694,220 S * 11/2013 Lee D14/223
 8,712,087 B2 * 4/2014 Ozawa H04R 1/1016
 381/380
 D718,286 S * 11/2014 Yang D14/223
 D719,548 S * 12/2014 Thompson D14/223
 D732,509 S * 6/2015 Brunner H04R 1/1016
 D14/223
 D735,699 S * 8/2015 Yasuda D14/223

D740,255 S * 10/2015 Samrelius D14/206
 D742,860 S * 11/2015 Miyake D14/223
 D744,456 S * 12/2015 Pedersen D14/223
 D746,268 S * 12/2015 Karayiannis D14/223
 D746,792 S * 1/2016 Kim D14/205
 D751,530 S * 3/2016 Kolton D14/205
 D760,202 S * 6/2016 Hsieh D14/223
 D762,196 S * 7/2016 Hsieh D14/223
 D762,616 S * 8/2016 Hsieh D14/205
 D809,487 S * 2/2018 Lee D14/223
 D813,196 S * 3/2018 Yang D14/205
 D814,438 S * 4/2018 Brunner D14/205
 D815,069 S * 4/2018 Xiong D14/223
 D825,534 S * 8/2018 Kim D14/223
 D876,398 S * 2/2020 Cai D14/223
 D904,350 S * 12/2020 Zhou D14/223
 D908,114 S * 1/2021 Jung D14/223
 D911,315 S * 2/2021 Hutchison D14/223
 D913,993 S * 3/2021 Sugiura D14/223
 2007/0189570 A1 * 8/2007 Matsuo H04R 1/02
 381/382
 2008/0013774 A1 * 1/2008 Hosaka H04R 1/2842
 381/380
 2011/0249856 A1 * 10/2011 Takei H04R 1/1016
 381/380

* cited by examiner

FIG. 1

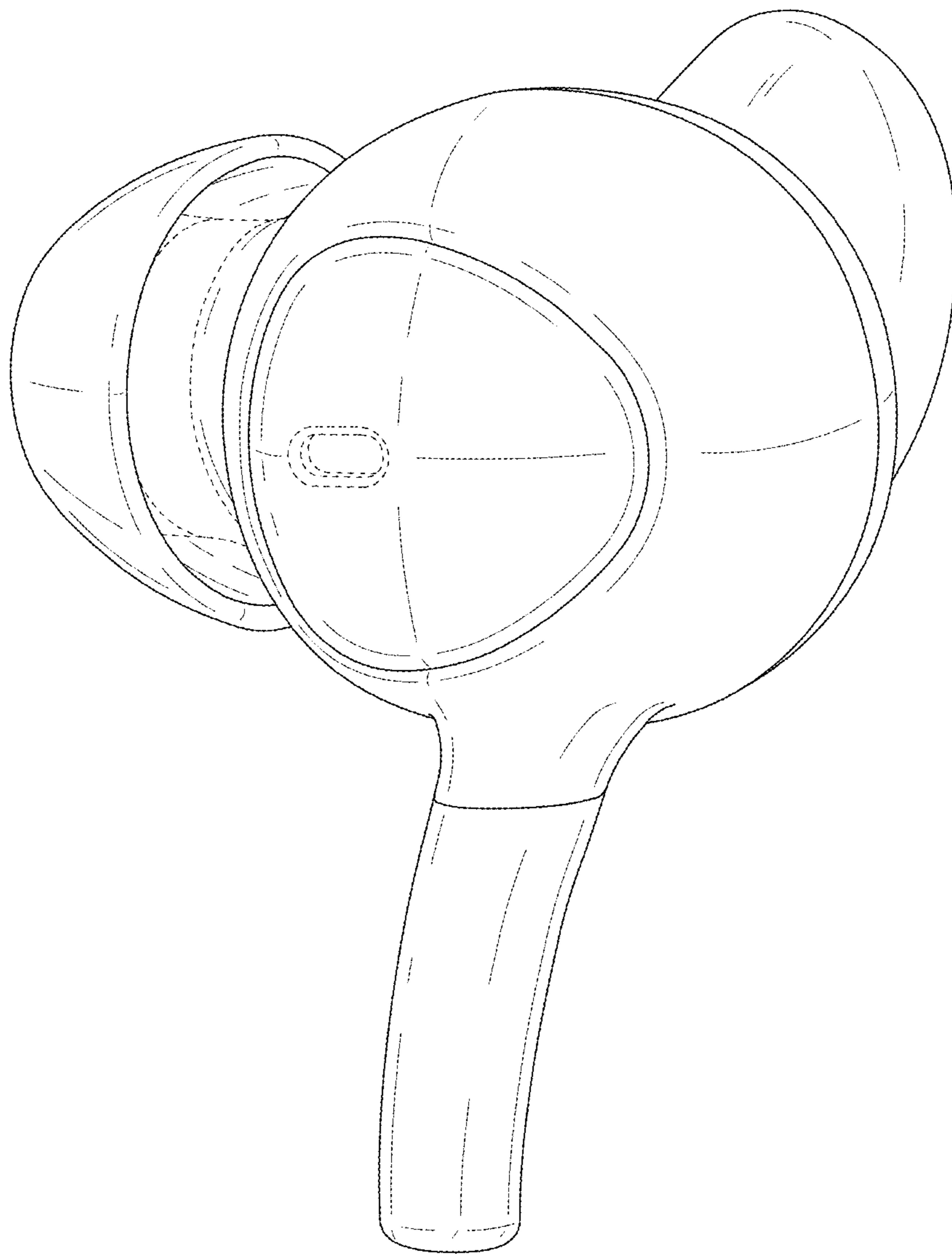


FIG. 2

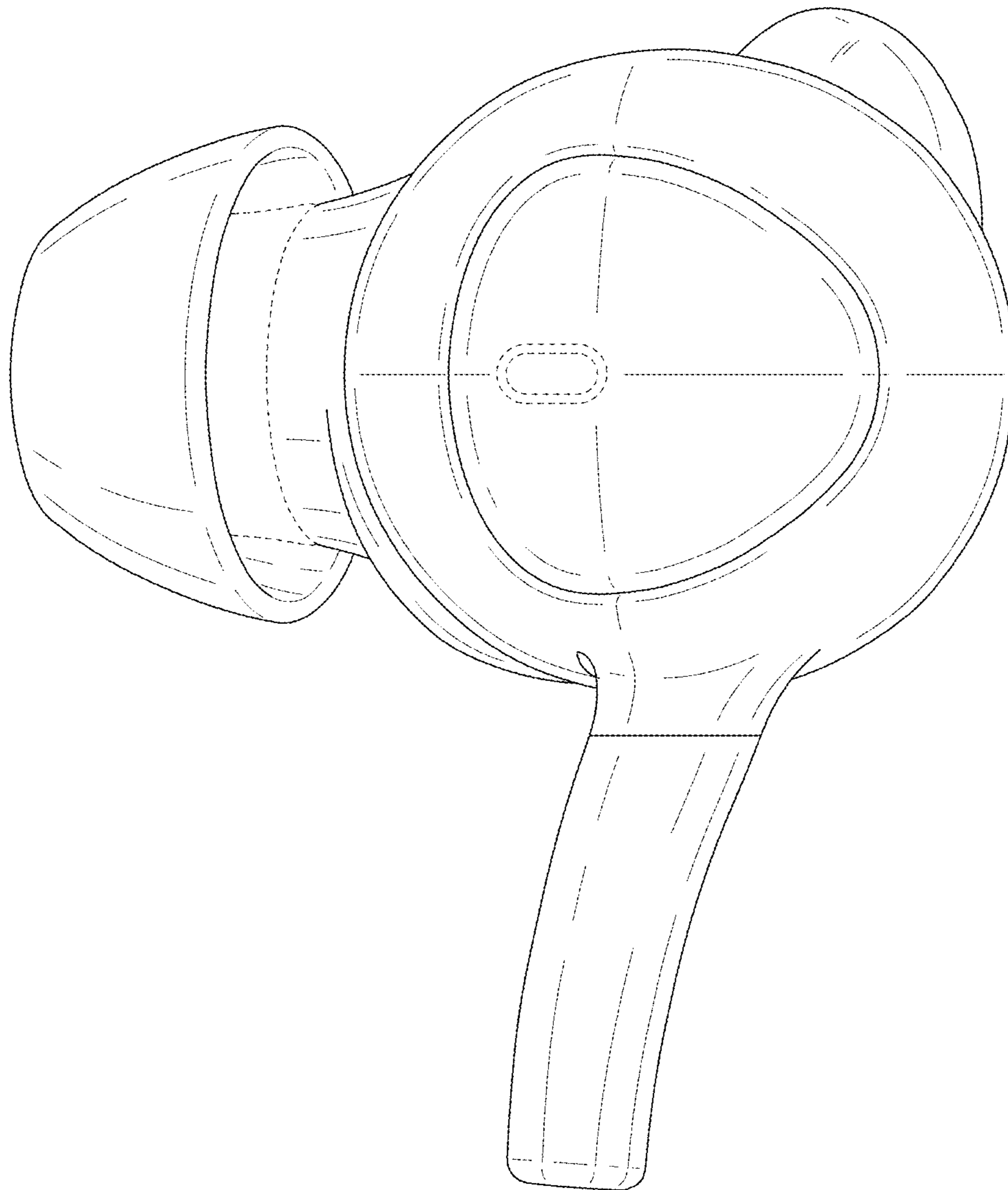


FIG. 3

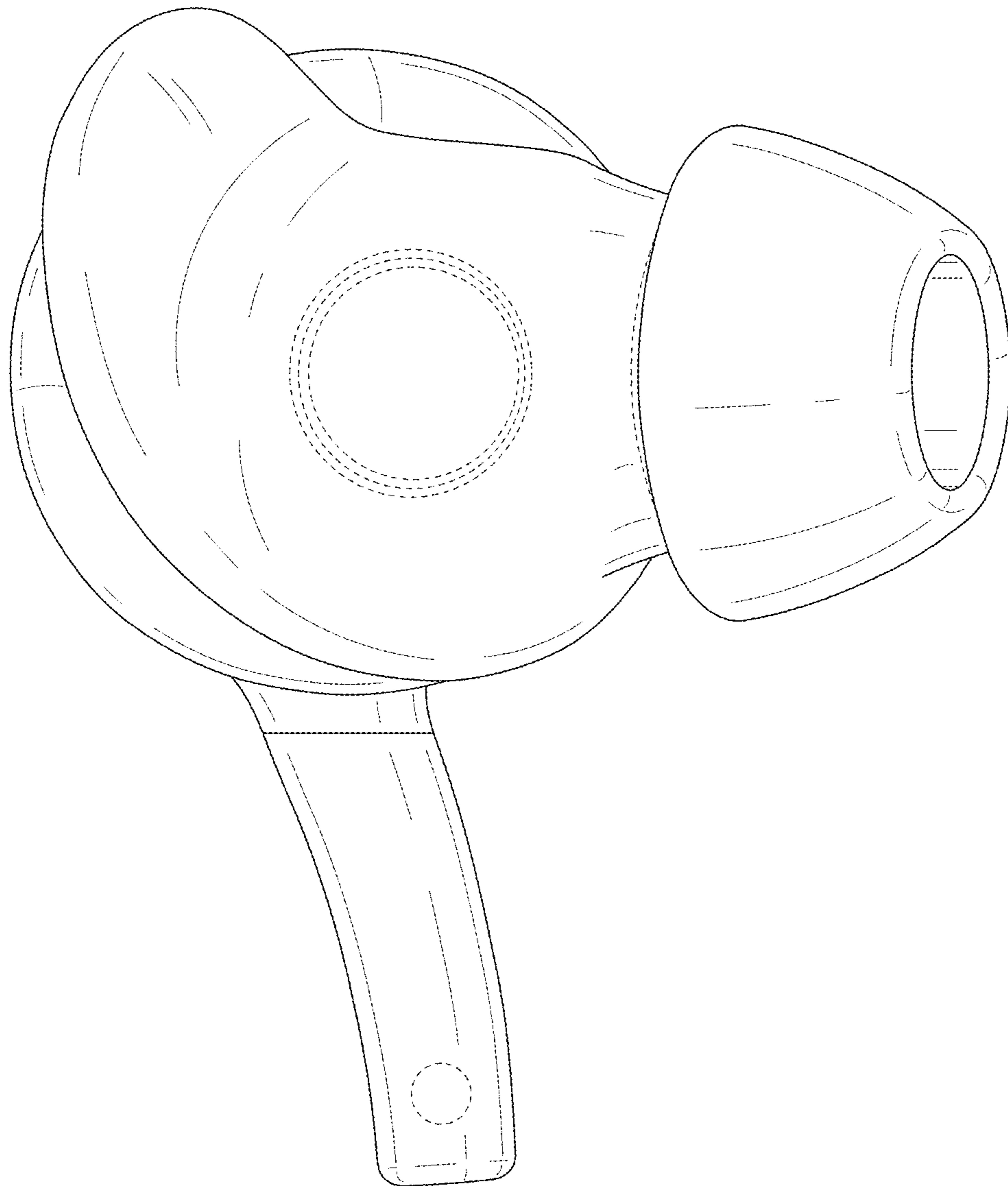


FIG. 4

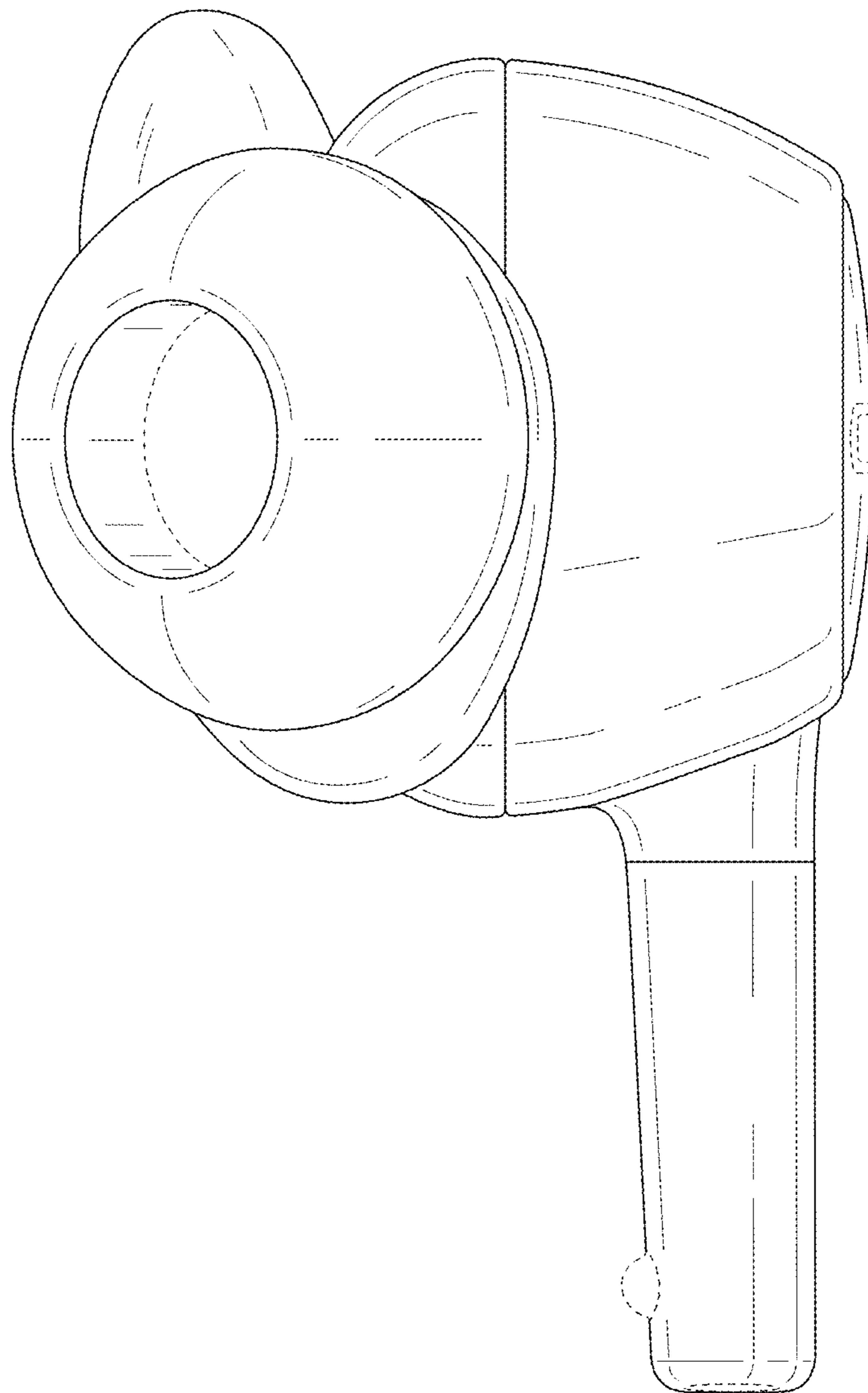


FIG. 5

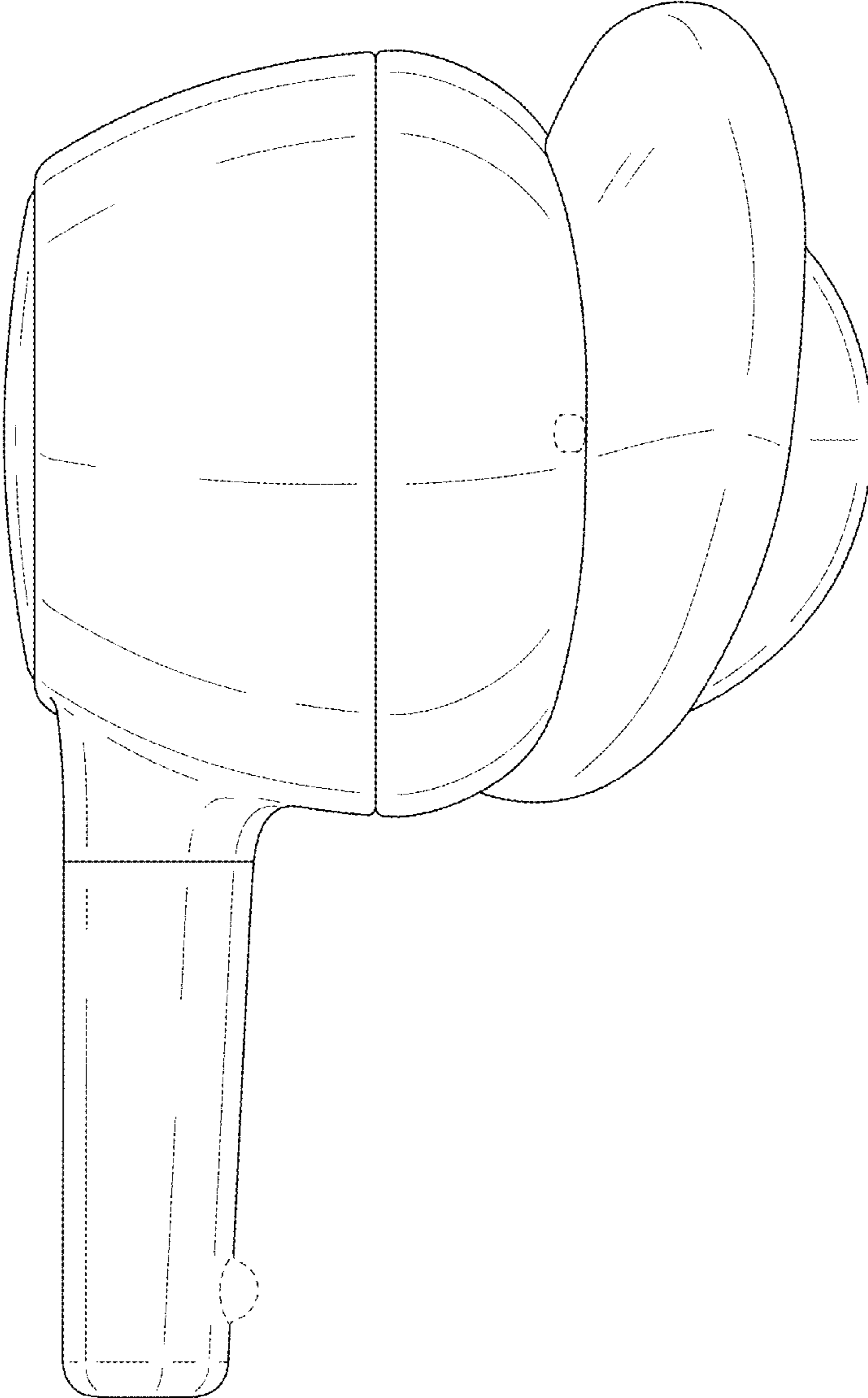


FIG. 6

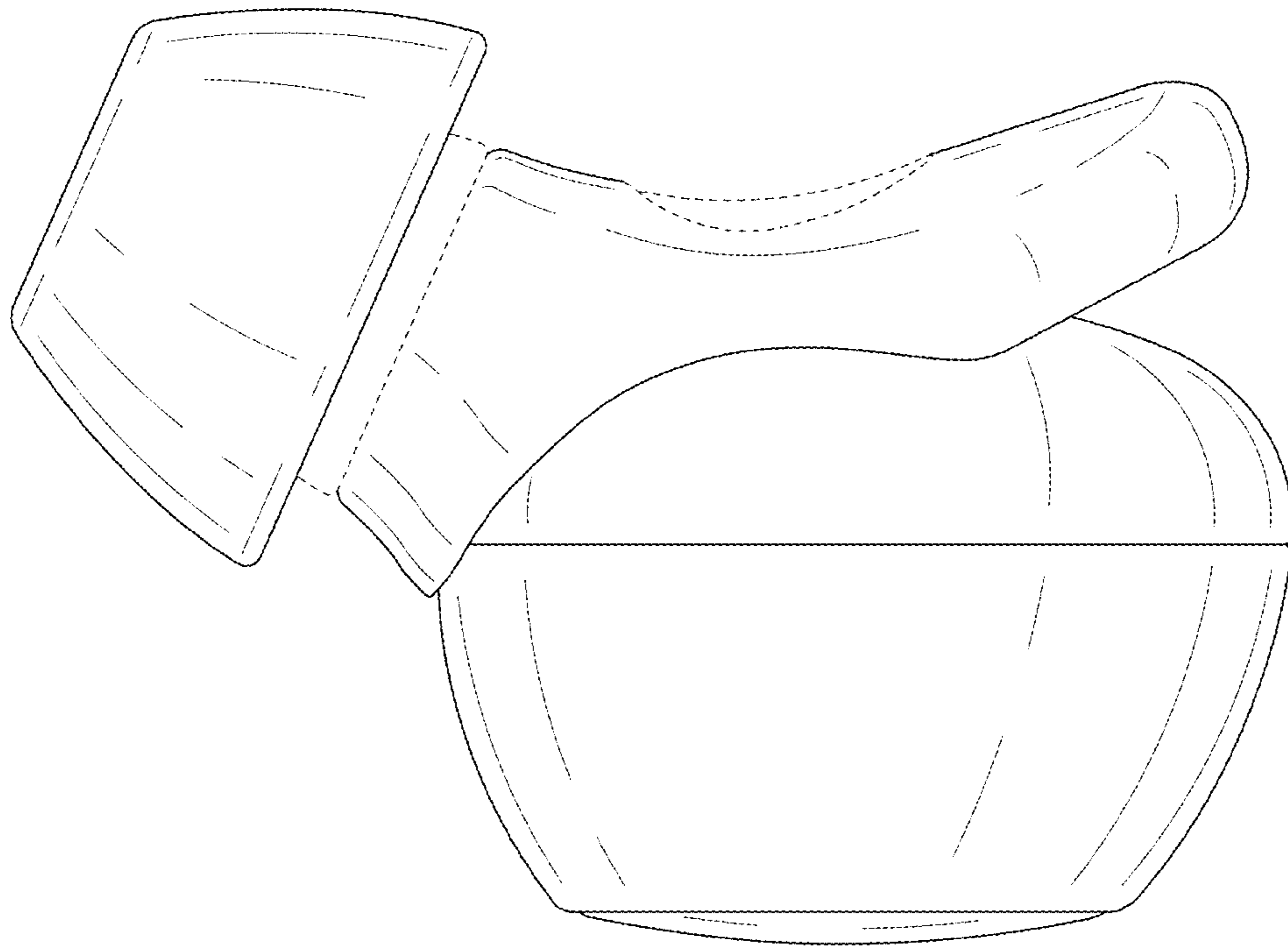


FIG. 7

