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

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(54) **EARPHONE**

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

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128/864-866; 381/380, 381, 322, 324,
381/328; 455/90.3, 575.1, 569.1
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1066; H04R 1/1016; H04R
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1/1091; H04R 1/1083

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,197,577 A * 7/1965 Kuklock H04R 25/654
381/328
6,493,453 B1 * 12/2002 Glendon H04R 23/008
381/322
D482,013 S * 11/2003 Lee D14/510
D500,485 S * 1/2005 Deguchi D14/480.4

D512,417 S * 12/2005 Hirakawa D14/223
D538,792 S * 3/2007 Kim D14/223
D603,380 S * 11/2009 Hutchieson D14/223
D626,947 S * 11/2010 Lee D14/223
D628,993 S * 12/2010 Steyn D14/225
D635,678 S * 4/2011 Laperle D24/174
D636,492 S * 4/2011 Aquilina D24/174
D637,997 S * 5/2011 Peller D14/205
D641,010 S * 7/2011 Kwon D14/223
D643,833 S * 8/2011 Lee D14/223
D645,849 S * 9/2011 Kim D14/223
D652,822 S * 1/2012 Lee D14/223
D654,056 S * 2/2012 Hoggarth D14/223
D664,125 S * 7/2012 Koch D14/223
D666,581 S * 9/2012 Perez D14/223

(Continued)

FOREIGN PATENT DOCUMENTS

CN 305819836 * 6/2020
CN 305938588 * 7/2020

(Continued)

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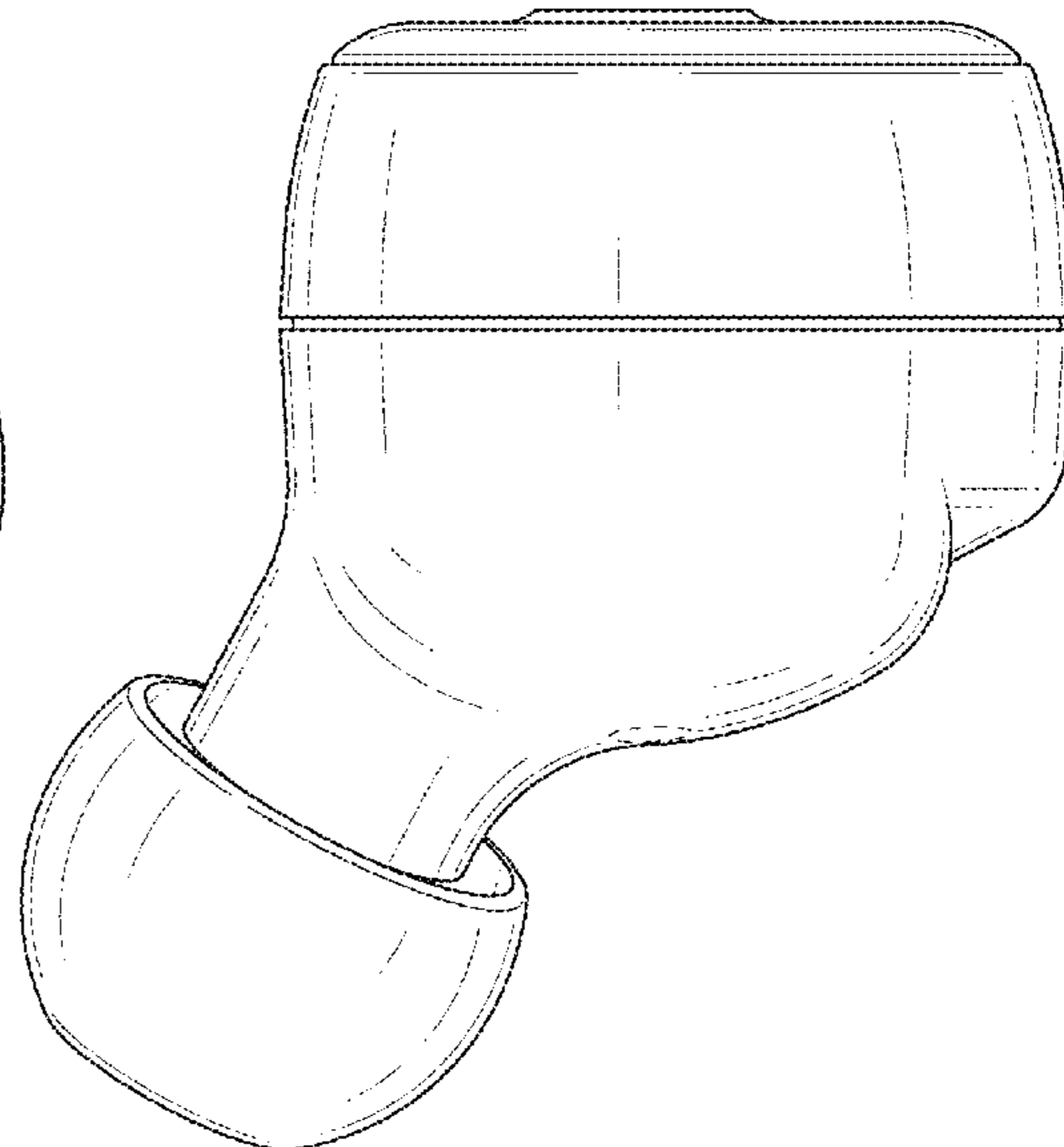
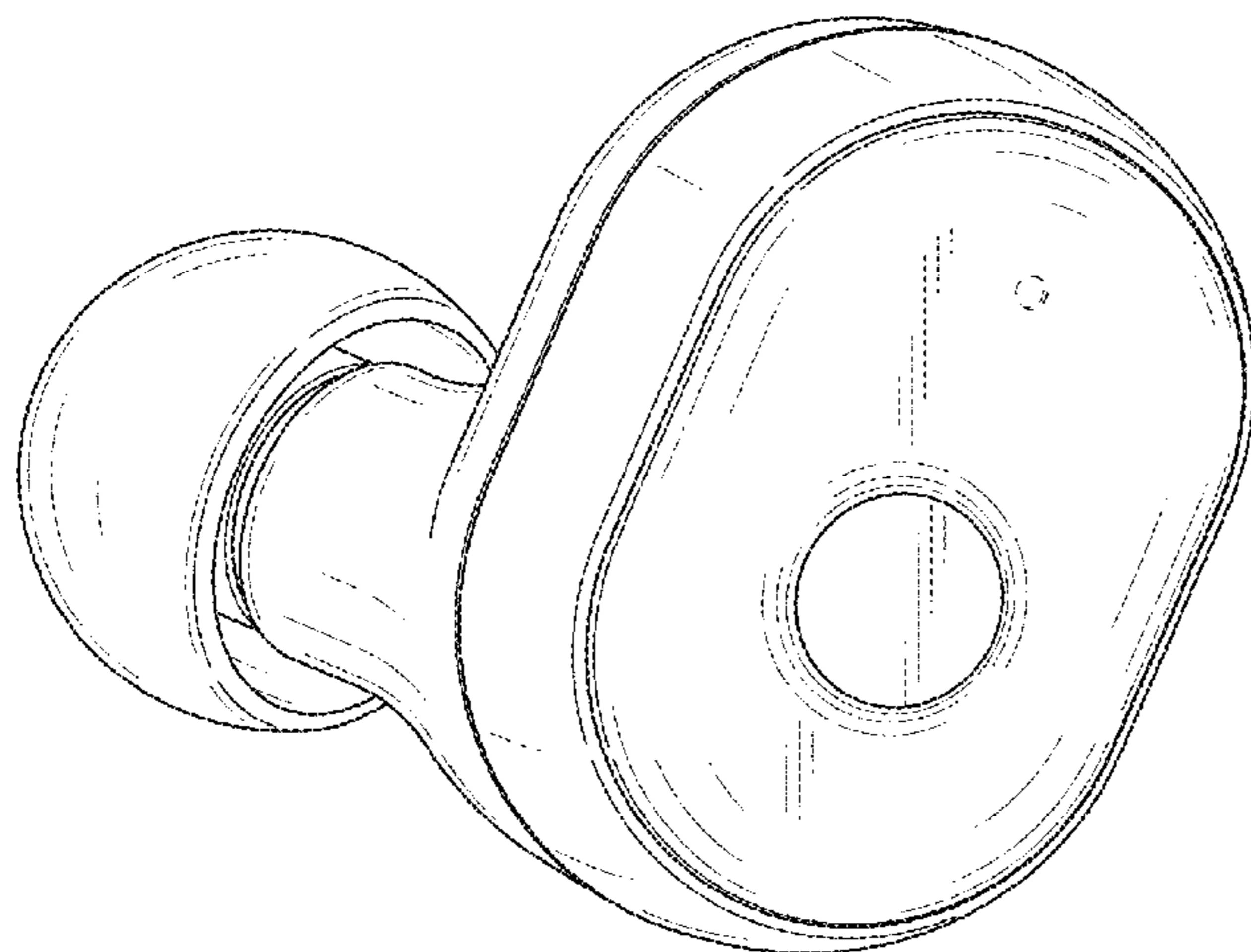
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of an earphone;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a right side elevation view thereof; and,
FIG. 7 is a left side elevation view thereof.
The broken lines shown in the drawings illustrate portions of the earphone that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D685,764 S * 7/2013 Coulter D14/205
 D686,597 S * 7/2013 Lee D14/223
 D697,058 S * 1/2014 Thompson D14/223
 D699,226 S * 2/2014 Yoon D14/223
 D707,659 S * 6/2014 Henning D14/223
 D711,356 S * 8/2014 Yang D14/223
 D712,882 S * 9/2014 Wang D14/223
 8,831,266 B1 * 9/2014 Huang H04R 1/2811
 381/380
 D719,139 S * 12/2014 Henry 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 1/1016
 381/380
 D726,145 S * 4/2015 Hsieh D14/205
 D727,871 S * 4/2015 Orbach D14/205
 D728,107 S * 4/2015 Torres Martin D24/174
 D729,775 S * 5/2015 Seo D14/223
 D733,102 S * 6/2015 Palmborg D14/223
 D733,103 S * 6/2015 Jeong D14/224
 D742,861 S * 11/2015 Miyake D14/223
 D764,445 S * 8/2016 Czaniecki D14/223
 D773,032 S * 11/2016 Palmborg D24/106
 D777,710 S * 1/2017 Palmborg D14/223
 D781,269 S * 3/2017 Choe D14/223
 D782,997 S * 4/2017 Shin D14/205
 D782,998 S * 4/2017 Shin D14/205
 D795,224 S * 8/2017 Valenzuela D14/223
 D798,843 S * 10/2017 Valenzuela D14/223
 D806,879 S * 1/2018 Horbinski D24/174
 D810,054 S * 2/2018 Yuan D14/223
 D817,309 S * 5/2018 Czaniecki D14/223
 10,178,464 B2 * 1/2019 Hussein H04R 1/105
 D841,626 S * 2/2019 Tang D14/223
 10,206,026 B2 * 2/2019 Yeung H01Q 1/48
 D842,844 S * 3/2019 Li D14/223

D845,932 S * 4/2019 Lu D14/223
 D846,532 S * 4/2019 Xiao D14/223
 D852,783 S * 7/2019 Hueber D14/223
 D853,359 S * 7/2019 Guo D14/223
 D863,263 S * 10/2019 Yu D14/223
 D868,752 S * 12/2019 Zhu D14/223
 D870,707 S * 12/2019 Yang D14/223
 D872,063 S * 1/2020 Arimoto D14/223
 D879,074 S * 3/2020 Komiya D14/223
 D880,457 S * 4/2020 Zhu D14/223
 D883,261 S * 5/2020 Zhang D14/223
 D889,441 S * 7/2020 Lin D14/223
 D895,580 S * 9/2020 Yu D14/223
 D897,318 S * 9/2020 Blundell D14/223
 D897,319 S * 9/2020 Wang D14/223
 D897,322 S * 9/2020 Wei D14/223
 D897,996 S * 10/2020 Mei D14/223
 D897,999 S * 10/2020 Li D14/223
 D899,405 S * 10/2020 Vaclavik D14/223
 2005/0238192 A1 * 10/2005 Ford H04R 25/654
 381/322
 2009/0304220 A1 * 12/2009 Fujikura H04R 1/1091
 381/380
 2012/0114160 A1 * 5/2012 Lin H04R 1/1091
 381/380
 2013/0259286 A1 * 10/2013 Chung H04R 1/1016
 381/380
 2017/0026738 A1 * 1/2017 Tang H04R 1/1091
 2019/0075384 A1 * 3/2019 Miwa H04R 1/1016

FOREIGN PATENT DOCUMENTS

CN 306039962 * 9/2020
 CN 306092666 * 10/2020
 CN 306140818 * 10/2020
 CN 306140879 * 10/2020
 JP 1667403 * 8/2020

* cited by examiner

FIG. 1

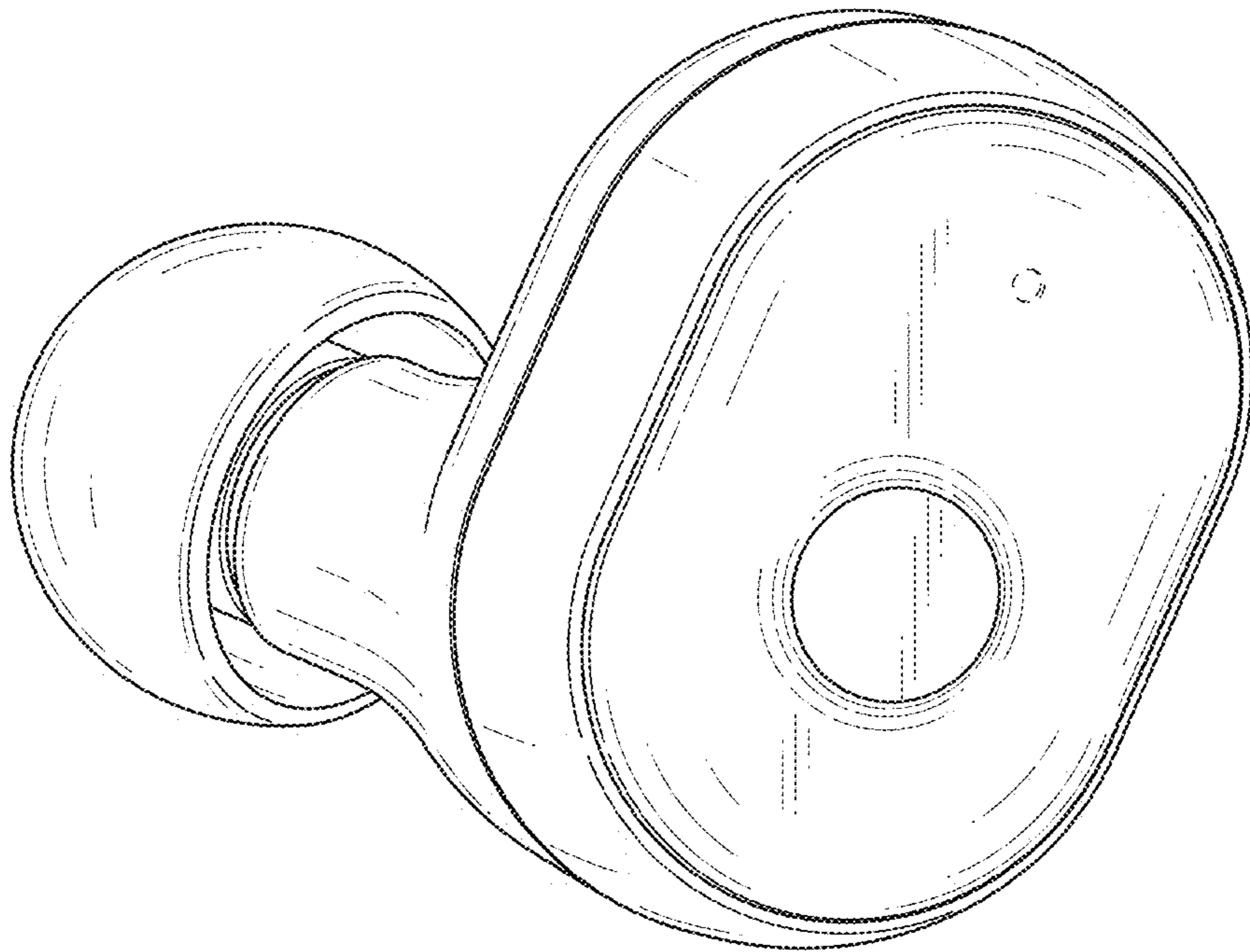


FIG. 2

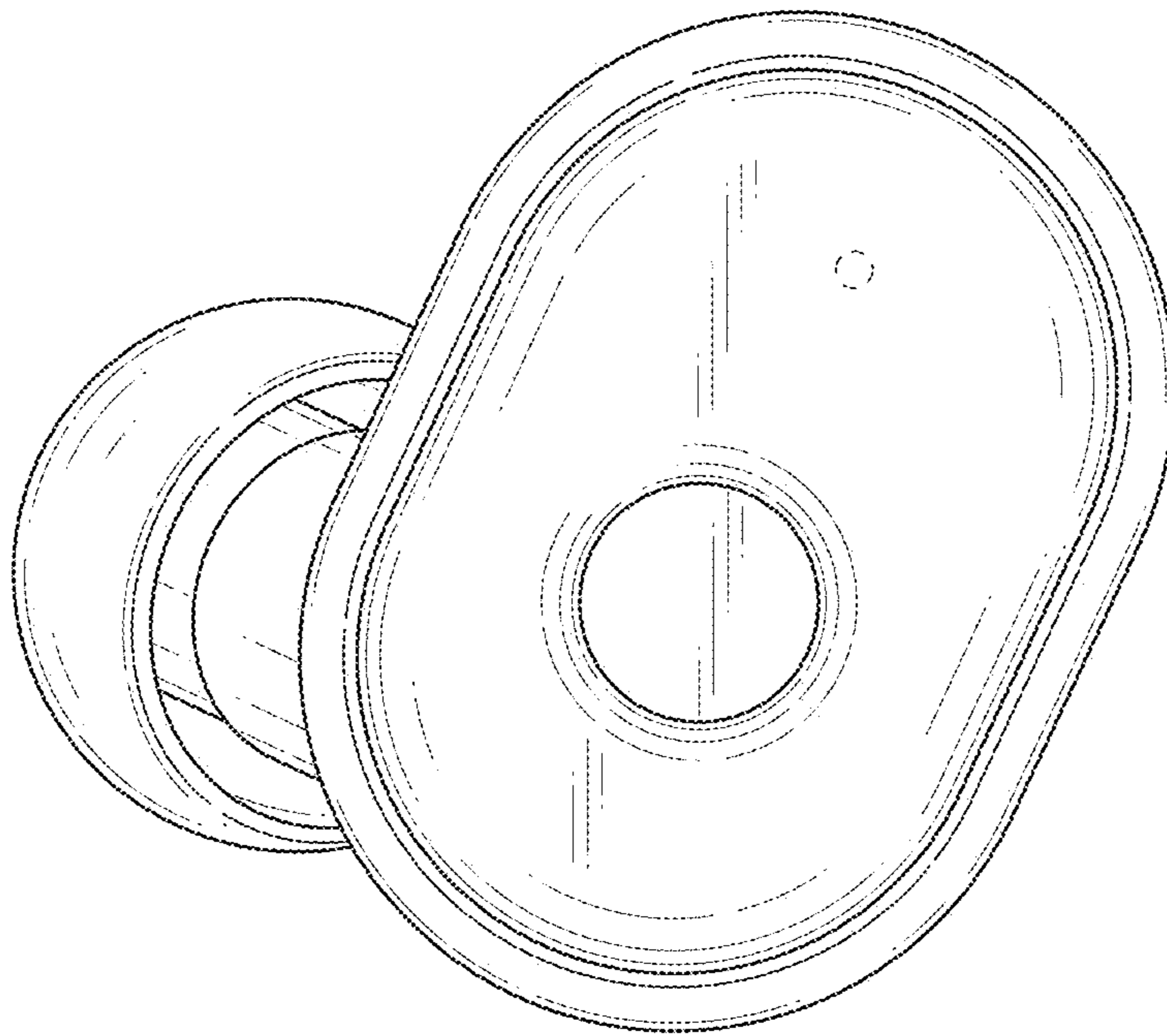


FIG. 3

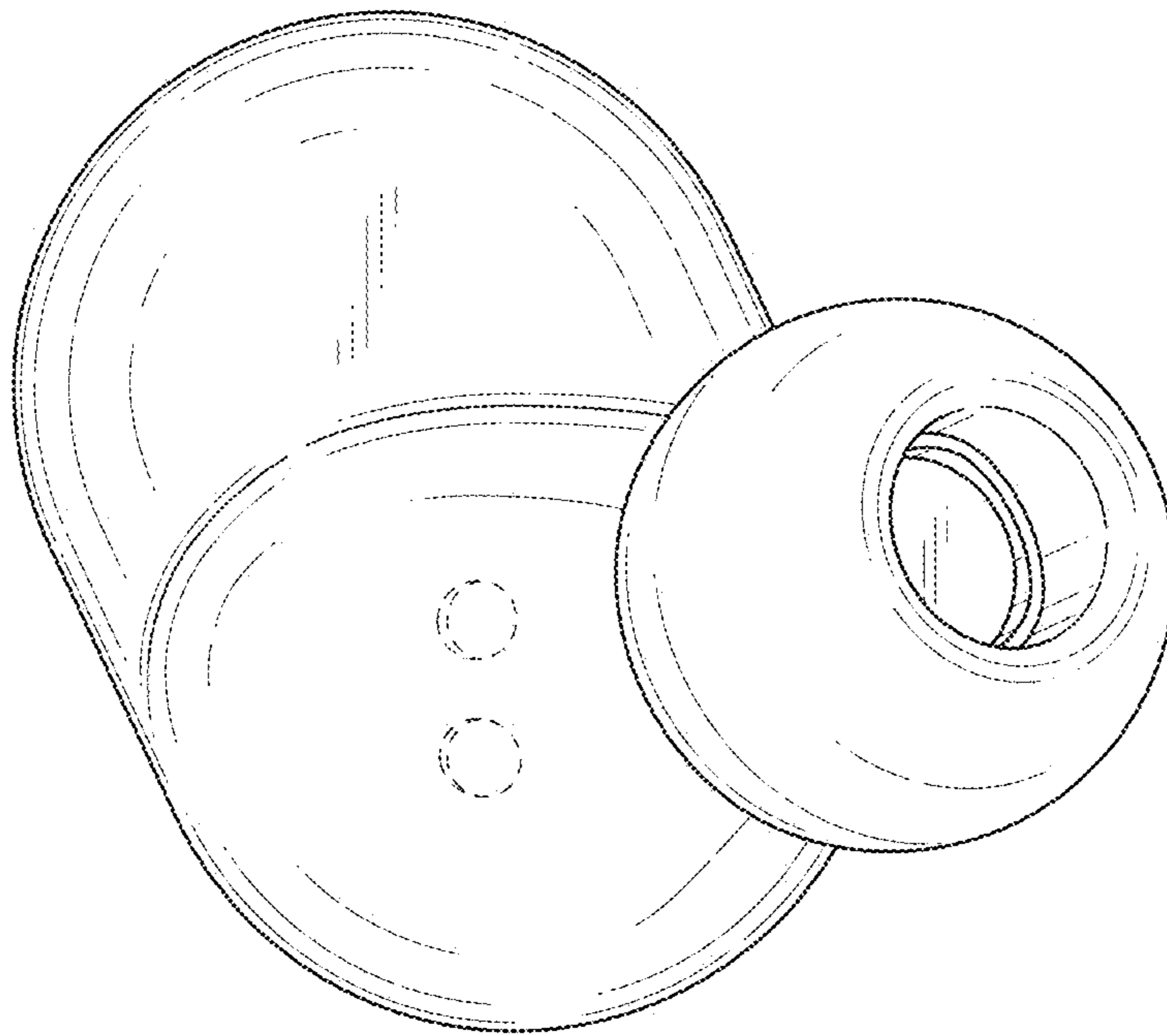


FIG. 4

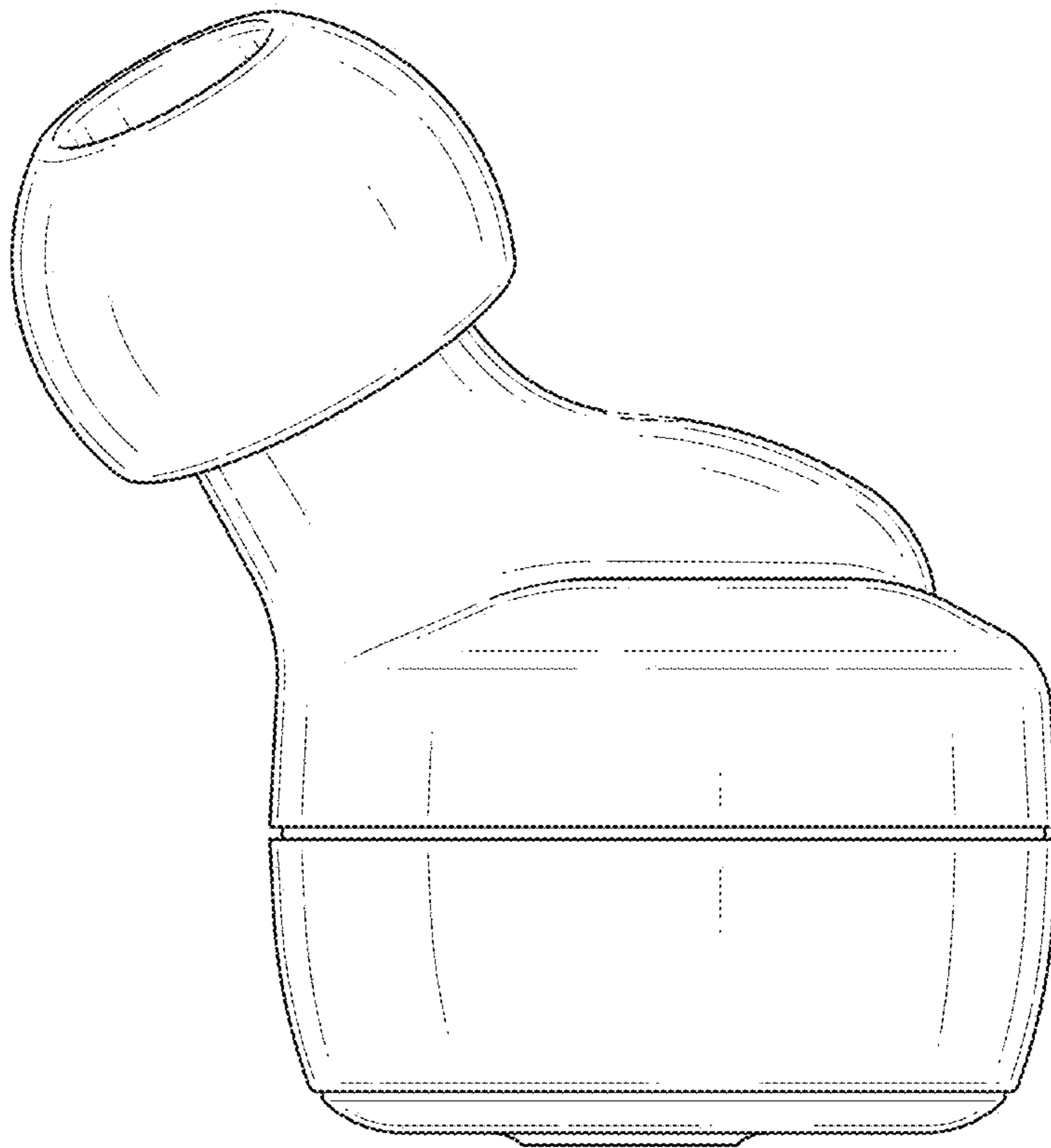


FIG. 5

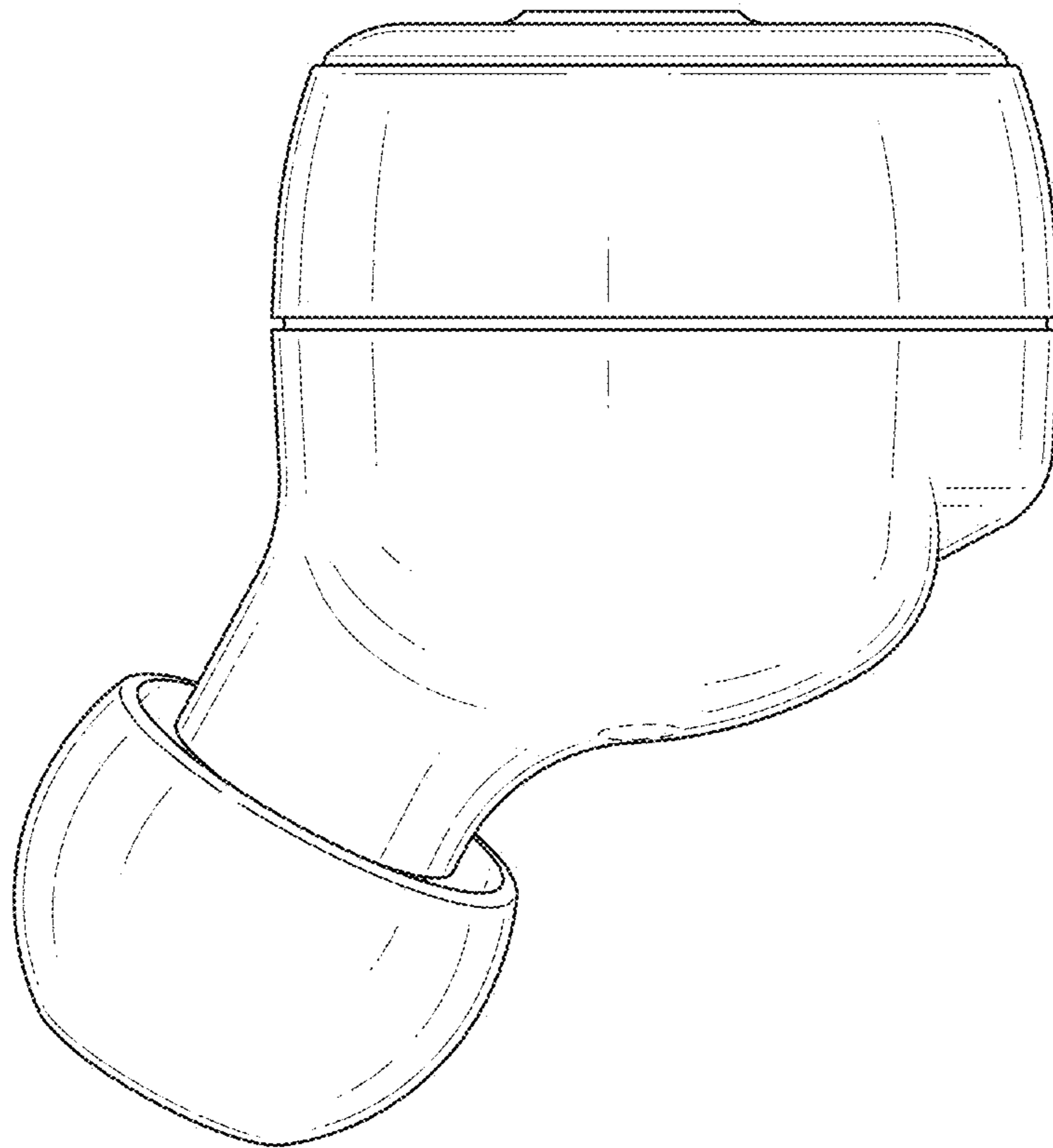


FIG. 6

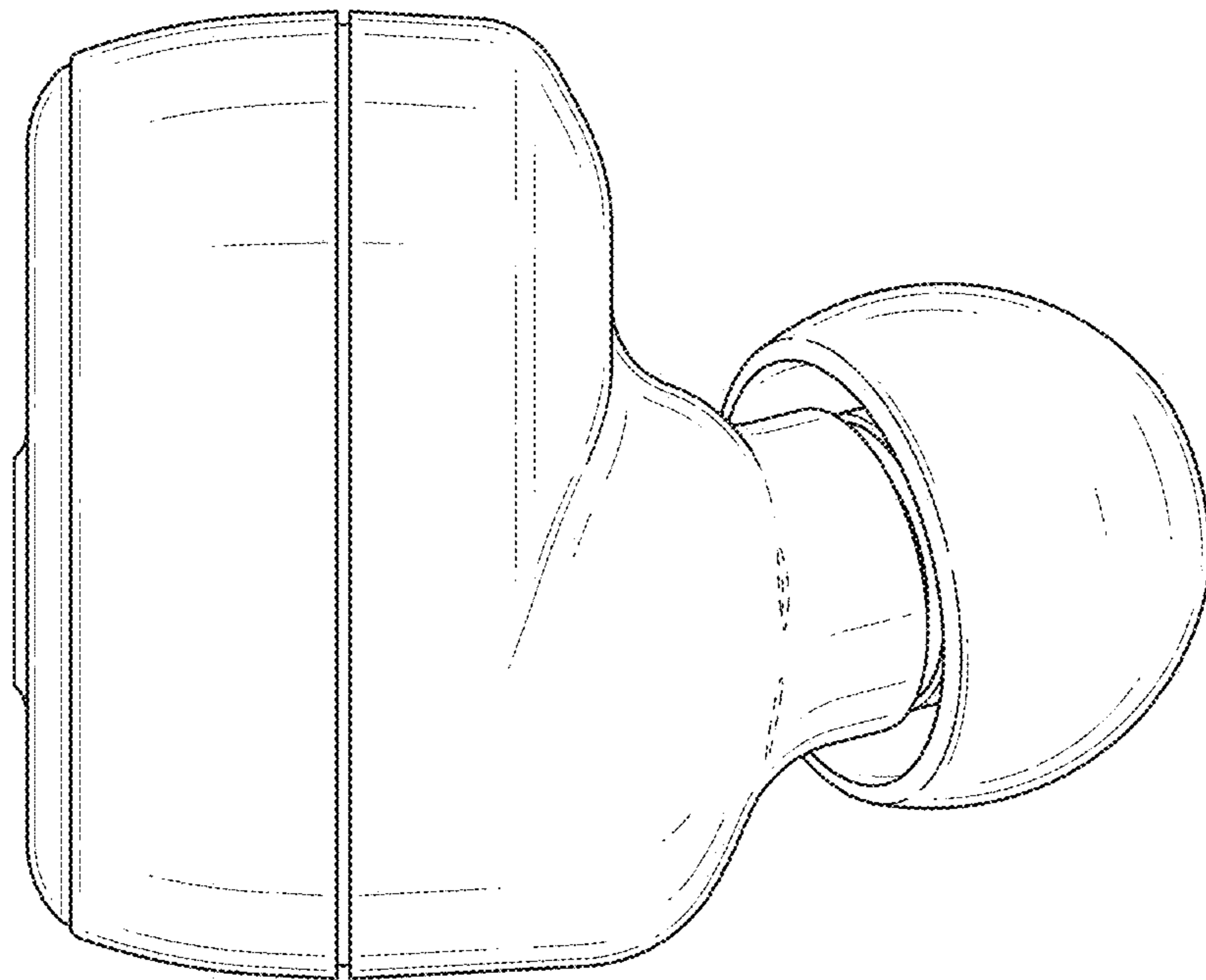


FIG. 7

