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

(10) **Patent No.:** **US D889,436 S**
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- (54) **WIRELESS EARPHONE**
- (71) Applicant: **Yiliang Zhang**, Jinjiang (CN)
- (72) Inventor: **Yiliang Zhang**, Jinjiang (CN)
- (**) Term: **15 Years**
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- (51) **LOC (12) Cl.** **14-01**
- (52) **U.S. Cl.**
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- (58) **Field of Classification Search**
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128/864, 865, 866; 181/129, 130, 135;
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455/575.1, 569.1
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1016; H04R 1/1066; H04R
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H04R 1/1058; H04R 1/105; H04R 1/1083
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,443,668 A * 4/1984 Warren A61F 11/08
181/135
- 4,554,993 A * 11/1985 Houg H04M 1/05
181/130
- 4,602,642 A * 7/1986 O'Hara G01J 5/049
600/474
- 5,410,608 A * 4/1995 Lucey H04R 1/083
381/360
- D413,379 S * 8/1999 Leight D24/106
- 6,574,345 B1 * 6/2003 Huang H04R 1/1016
379/430
- 6,668,064 B1 * 12/2003 Lin H04R 1/1016
381/328

- D516,058 S * 2/2006 Garcia D14/205
- 7,212,646 B2 * 5/2007 Nassimi H04R 1/1058
381/380
- D550,200 S * 9/2007 Drambarean D14/205
- D554,109 S * 10/2007 Ledbetter D14/223
- D555,152 S * 11/2007 Wang D14/223
- D556,741 S * 12/2007 Yeo D14/205
- 7,349,550 B2 * 3/2008 Oliveira H04R 1/10
381/374
- D572,242 S * 7/2008 Yang D14/205
- D575,269 S * 8/2008 Ledbetter D14/205
- D583,804 S * 12/2008 Mahler D14/223
- D604,272 S * 11/2009 Kitayama D14/223
- D606,972 S * 12/2009 Schaefer D14/205
- D627,764 S * 11/2010 Tsai D14/223
- D629,793 S * 12/2010 Goransson D14/223
- D631,034 S * 1/2011 Yeo D14/205

(Continued)

FOREIGN PATENT DOCUMENTS

- EM 007366810-0001 * 12/2019
- EM 007421649-0001 * 12/2019

Primary Examiner — Paula Allen Greene
(74) *Attorney, Agent, or Firm* — HYIP

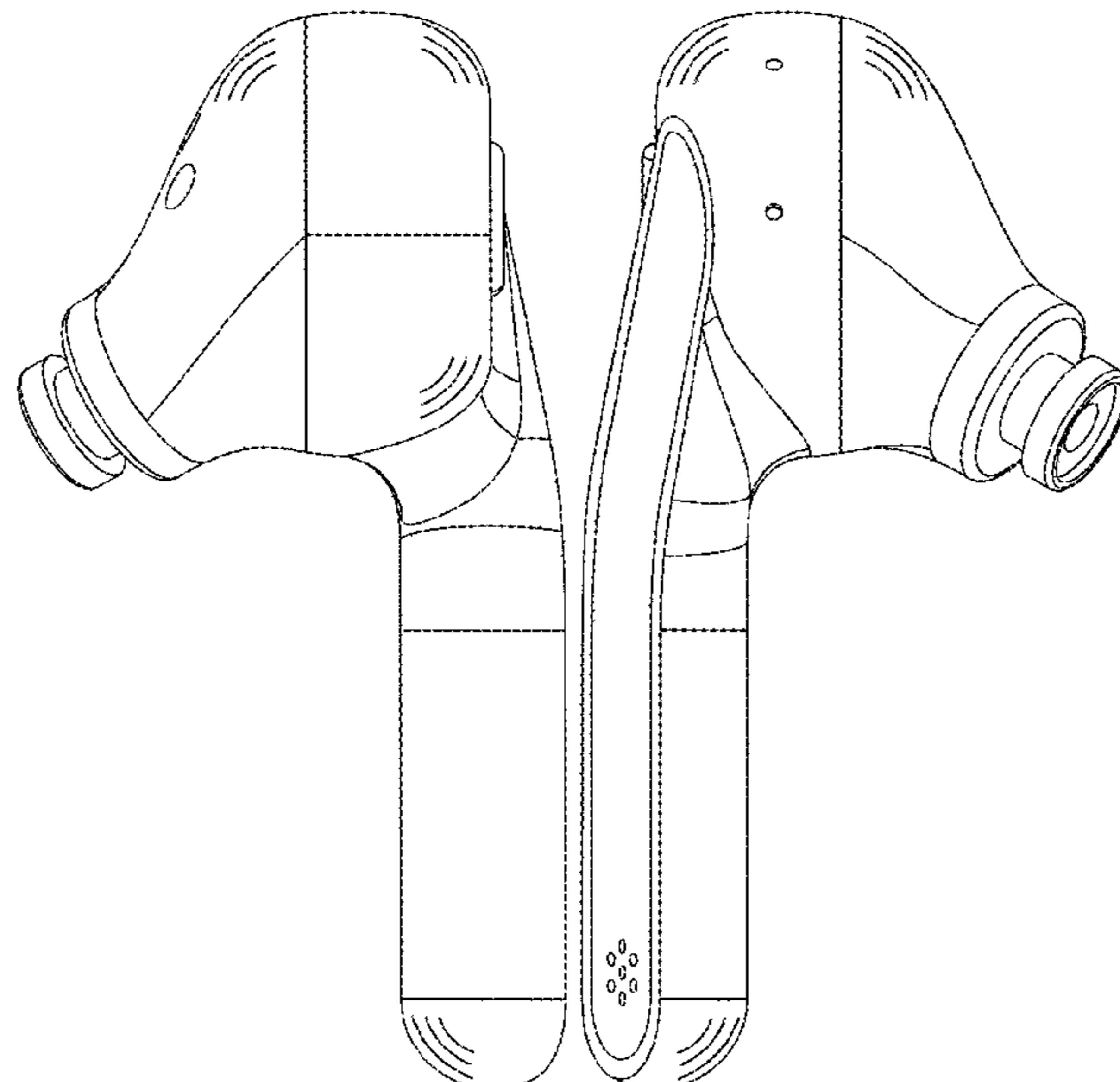
(57) **CLAIM**

The ornamental design for a wireless earphone, as shown and described.

DESCRIPTION

FIG. 1 is a Front elevational view of a wireless earphone showing my new design;
 FIG. 2 is a Rear elevational view thereof;
 FIG. 3 is a Left side view thereof;
 FIG. 4 is a Right side view thereof;
 FIG. 5 is a Top plan view thereof;
 FIG. 6 is a Bottom plan view thereof; and,
 FIG. 7 is a Perspective view thereof.
 The broken lines in the drawing depict portions of the wireless earphone that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D634,306 S * 3/2011 Pedersen D14/223
 D641,738 S * 7/2011 Perez D14/223
 D653,236 S * 1/2012 Andre D14/205
 D657,780 S * 4/2012 Dahlberg D14/223
 D662,493 S * 6/2012 Chen D14/223
 D666,996 S * 9/2012 Hardi D14/223
 D669,058 S * 10/2012 Lee D14/223
 D695,718 S * 12/2013 Burgett D14/223
 D695,721 S * 12/2013 Thompson D14/223
 D695,722 S * 12/2013 Thompson D14/223
 D696,230 S * 12/2013 Burgett D14/223
 D707,205 S * 6/2014 Wenger H04R 25/00
 D718,285 S * 11/2014 Shibusawa D14/223
 D727,871 S * 4/2015 Orbach D14/205
 D730,868 S * 6/2015 Birger D14/206
 D733,689 S * 7/2015 Narita D14/223
 D735,697 S * 8/2015 Petersen D14/223
 D738,864 S * 9/2015 Lee D14/223
 D741,287 S * 10/2015 Harata D14/205
 D742,859 S * 11/2015 Miyake D14/223
 D762,196 S * 7/2016 Hsieh D14/223
 D770,412 S * 11/2016 Son D14/205
 D798,844 S * 10/2017 Nokuo D14/223
 D803,184 S * 11/2017 Loh Jun Kern D14/205

D813,196 S * 3/2018 Yang D14/205
 D817,933 S * 5/2018 Liu D14/223
 D821,999 S * 7/2018 Guo D14/205
 D830,336 S * 10/2018 Cai D14/205
 D847,794 S * 5/2019 Guo D14/223
 D847,799 S * 5/2019 Radey D14/238
 D848,983 S * 5/2019 Kim D14/223
 D864,169 S * 10/2019 Min D14/223
 D865,720 S * 11/2019 Deng D14/223
 D869,445 S * 12/2019 Hu D14/223
 D872,711 S * 1/2020 Hu D14/223
 D877,722 S * 3/2020 Yang D14/223
 D878,337 S * 3/2020 Yang D14/223
 2012/0155692 A1 * 6/2012 Chen H04R 1/1058
 381/380
 2012/0237074 A1 * 9/2012 Aase H04R 1/1016
 381/380
 2012/0275635 A1 * 11/2012 Chen H04R 1/1075
 381/380
 2015/0257662 A1 * 9/2015 Lee A61B 5/02427
 600/323
 2016/0181718 A1 * 6/2016 Kann H01R 13/447
 381/91
 2016/0206222 A1 * 7/2016 Liu A61B 5/024
 2017/0164087 A1 * 6/2017 Kurtz H04R 1/12
 2018/0167713 A1 * 6/2018 Chou H04R 25/652
 2019/0373354 A1 * 12/2019 Sondergaard H04R 1/1058

* cited by examiner

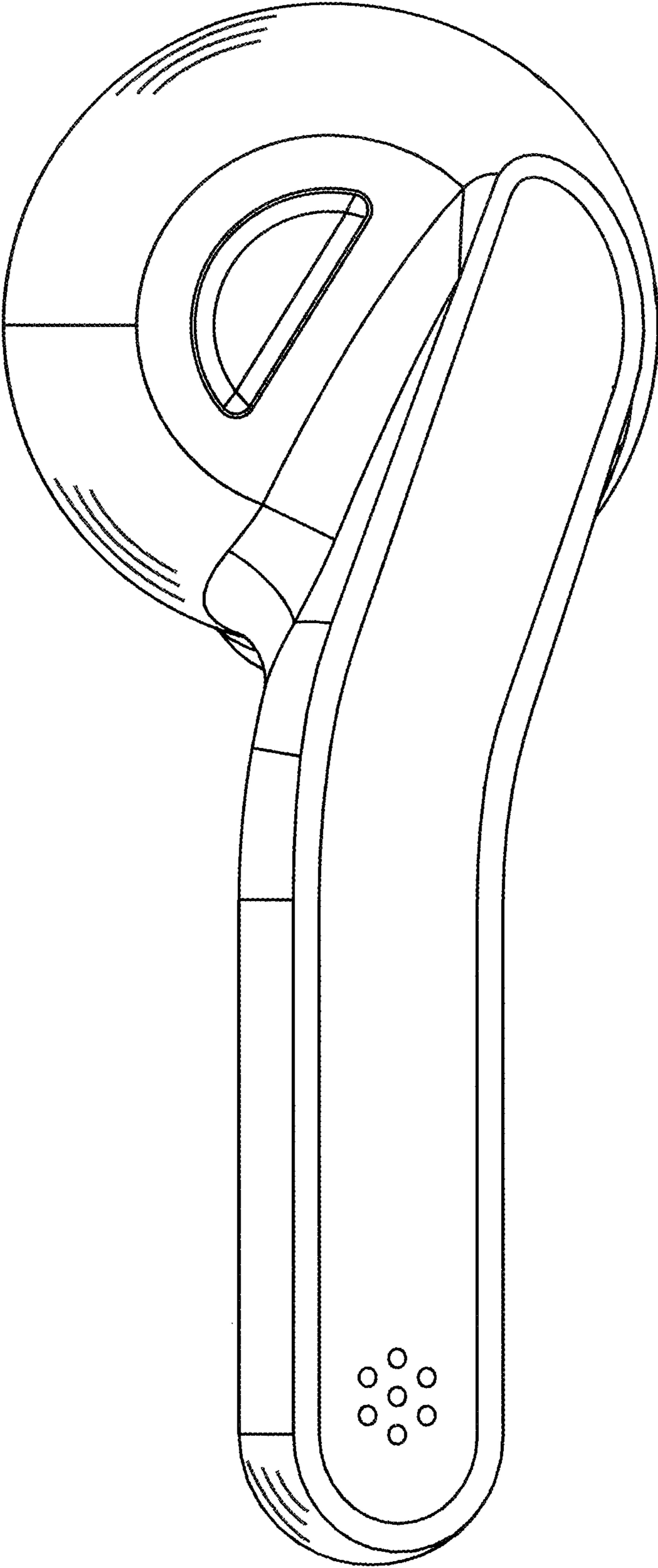


Fig. 1

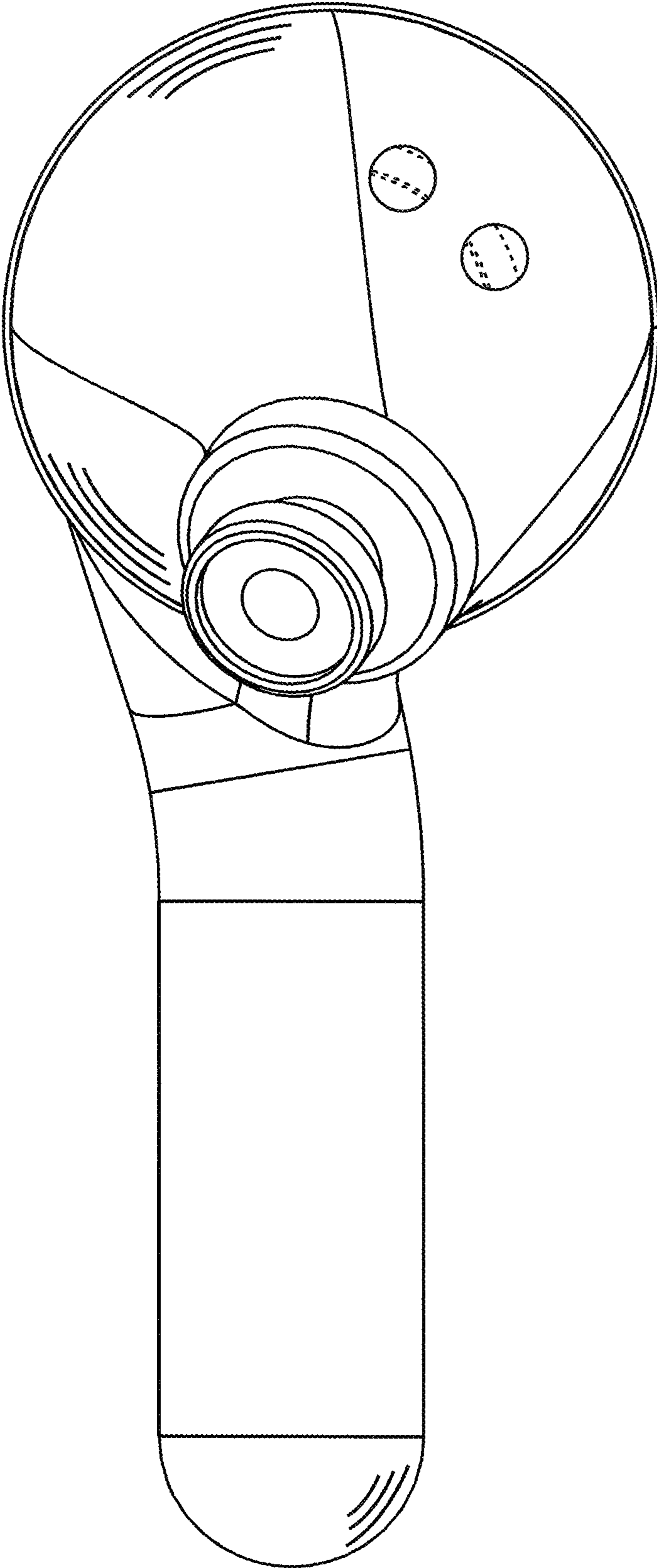


Fig. 2

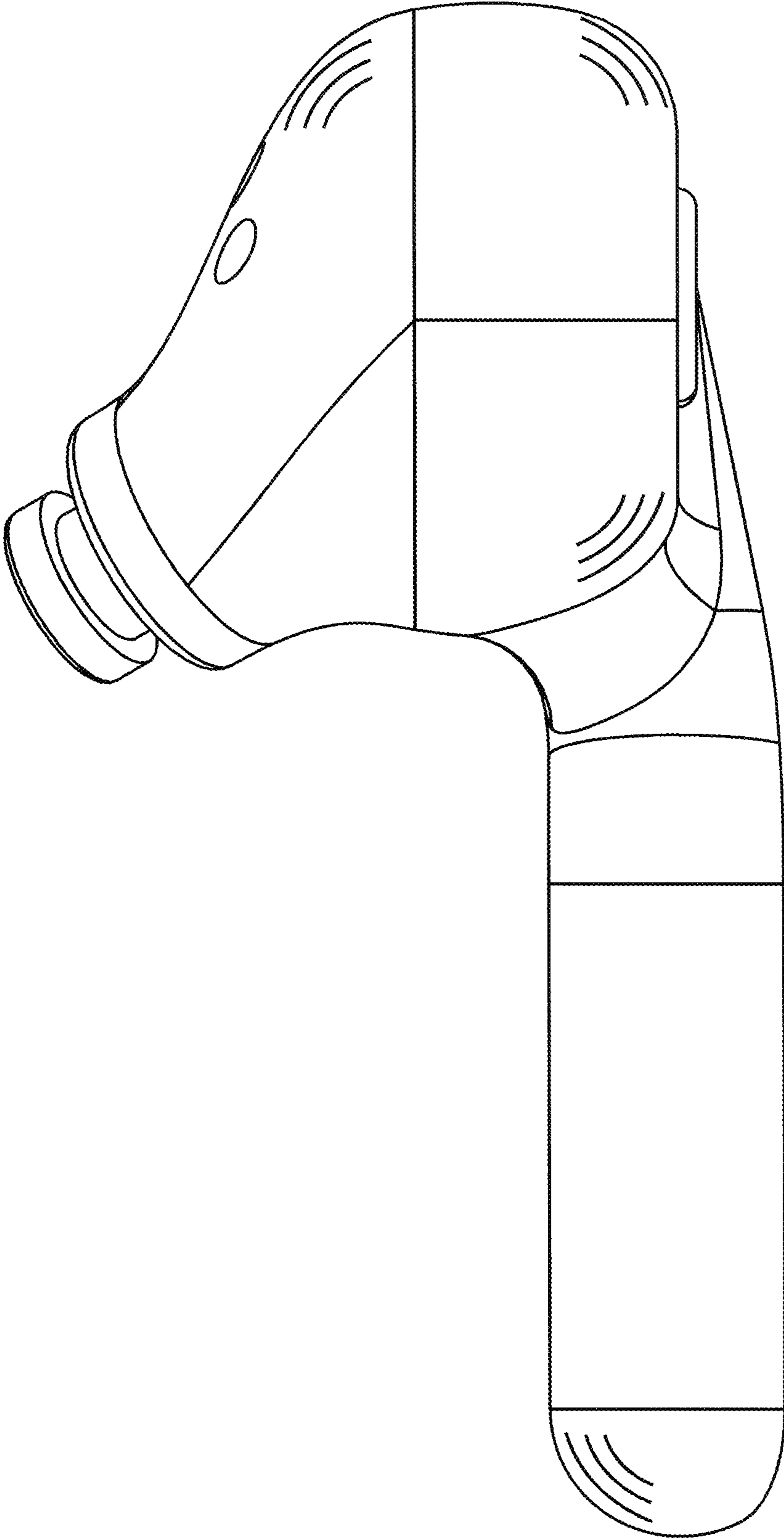


Fig. 3

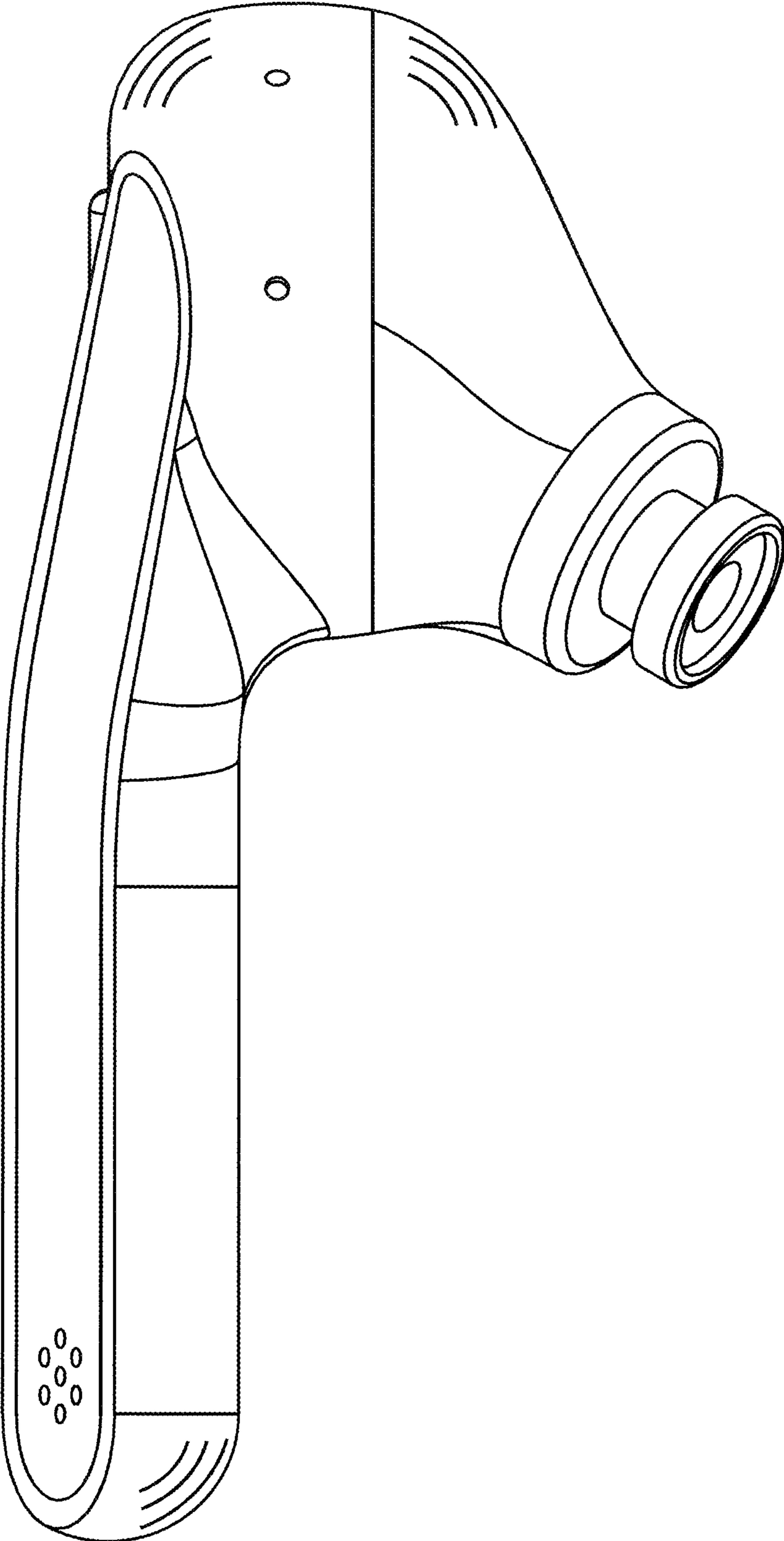


Fig. 4

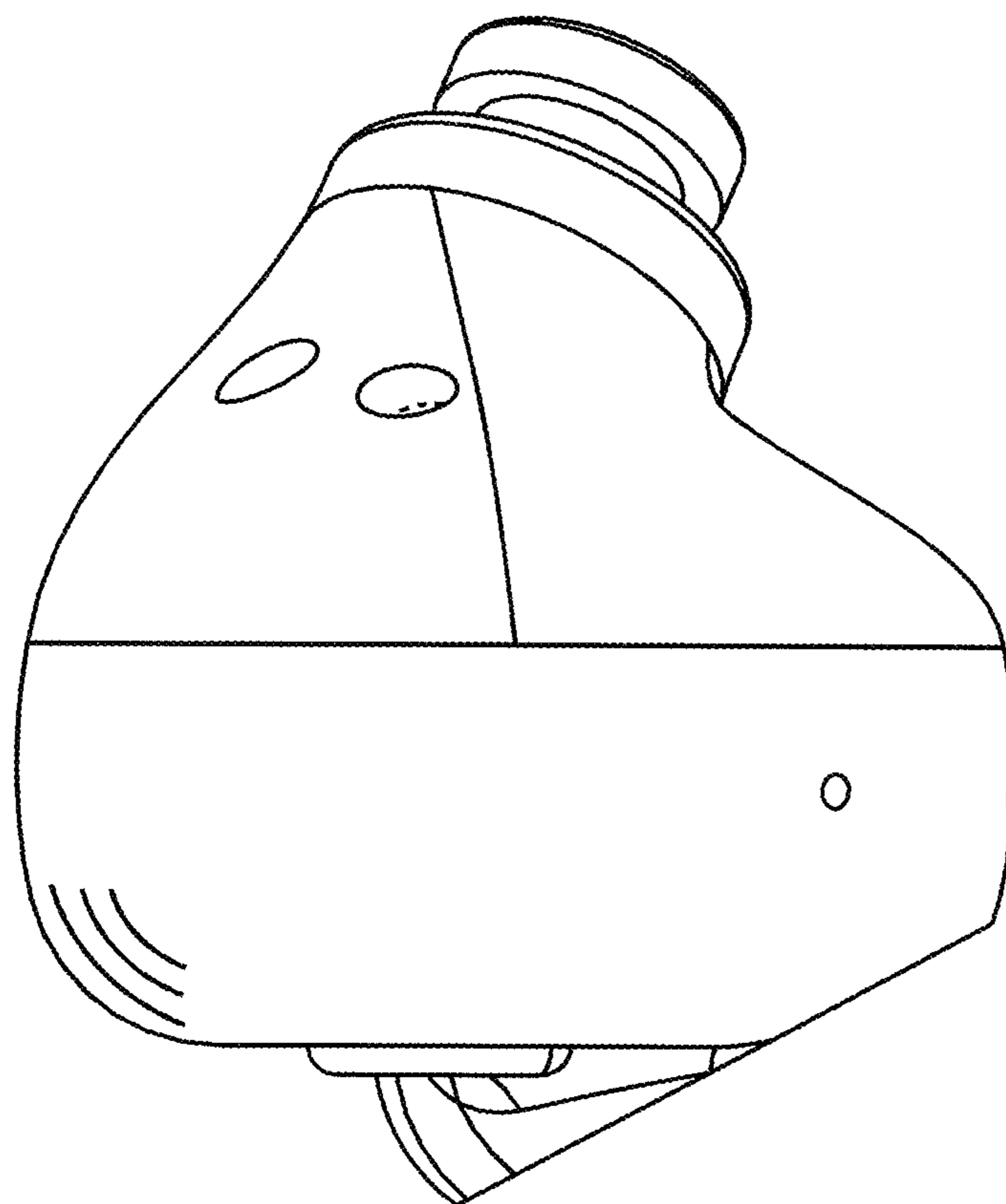


Fig. 5

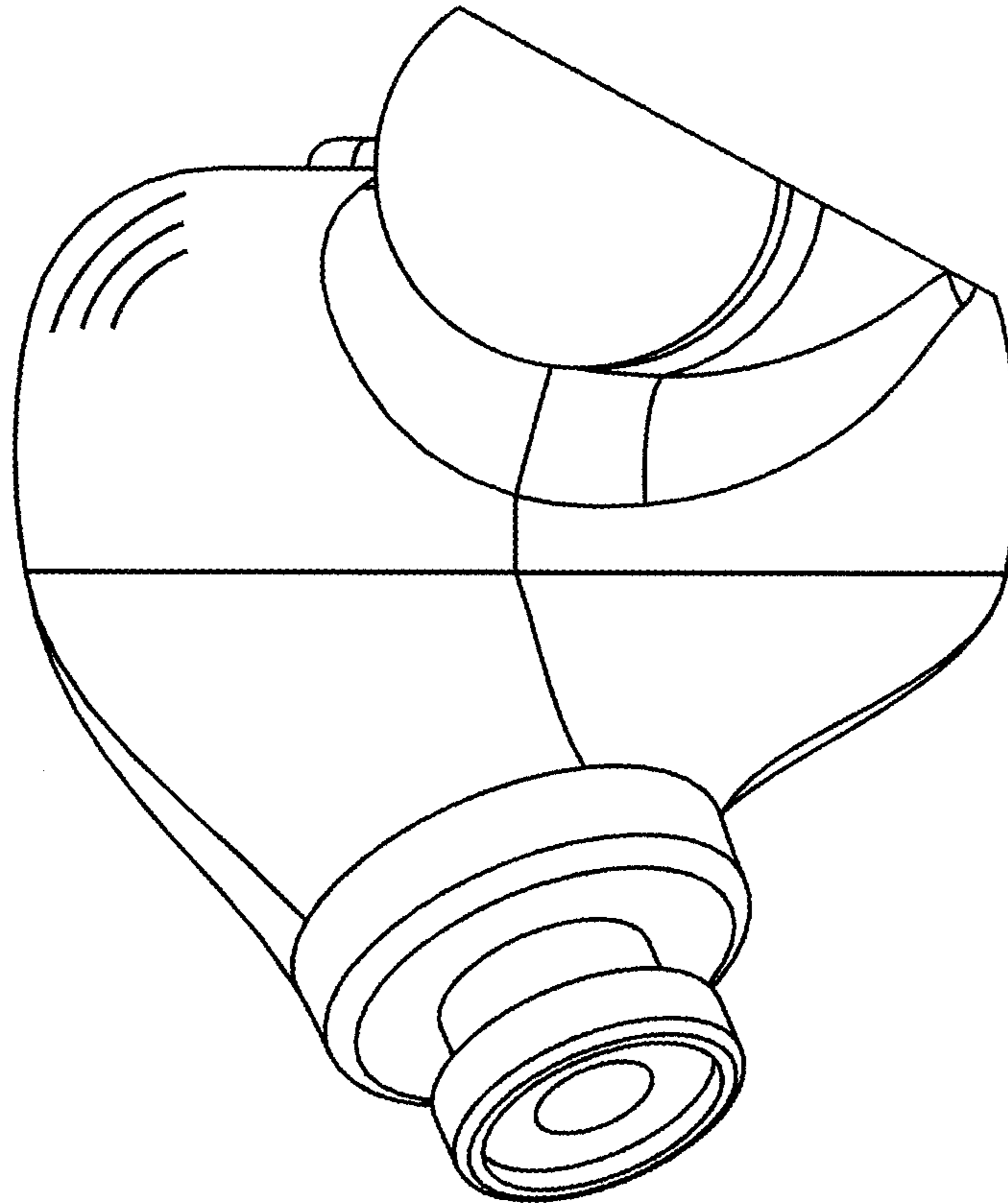


Fig. 6

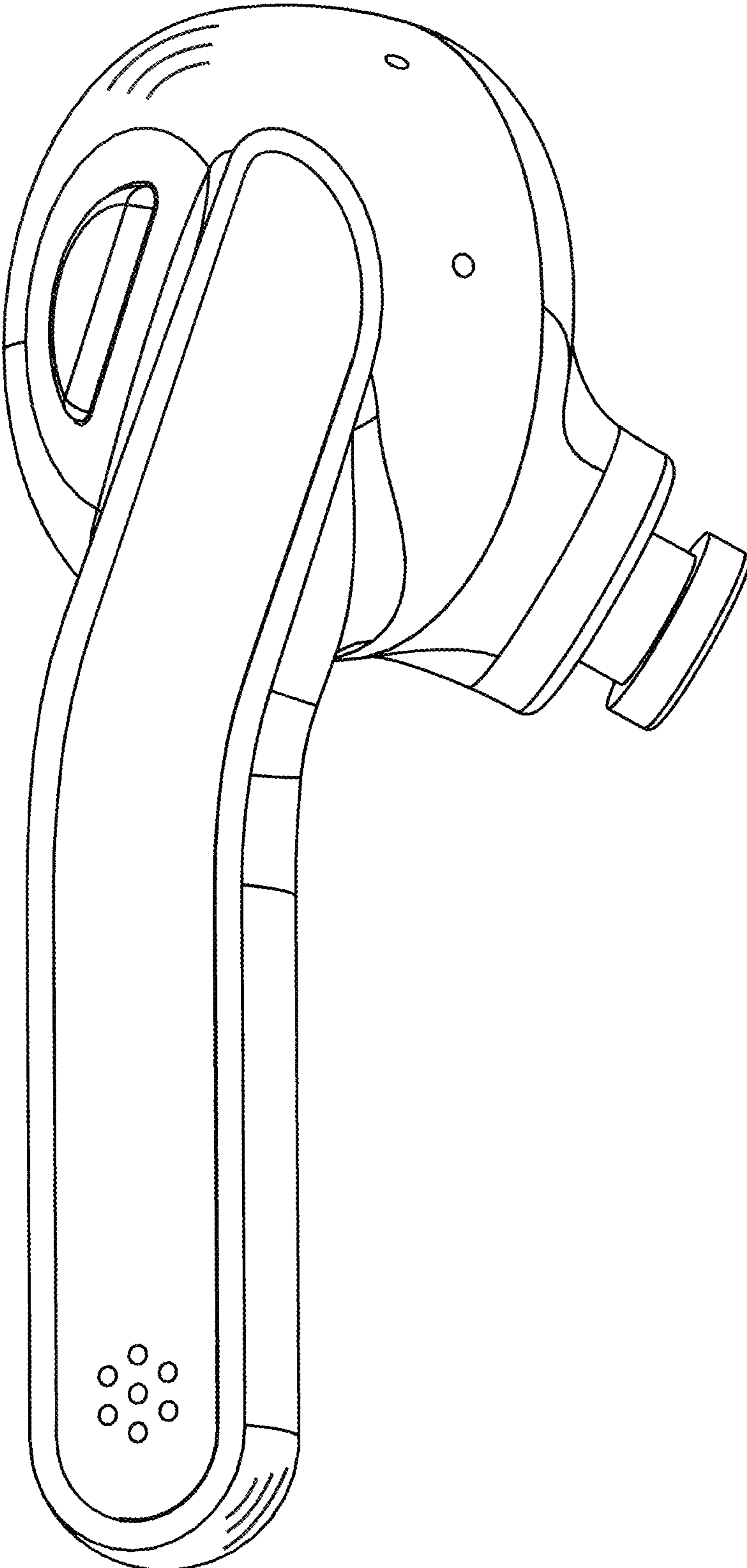


Fig. 7