

US00D947812S

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

(10) **Patent No.:** **US D947,812 S**

(45) **Date of Patent:** **\*\* Apr. 5, 2022**

- (54) **WIRELESS EARPHONE**
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- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/780,774**
- (22) Filed: **Apr. 26, 2021**
- (51) **LOC (13) Cl.** ..... **14-01**
- (52) **U.S. Cl.**  
USPC ..... **D14/206**; D14/226
- (58) **Field of Classification Search**  
USPC ..... D14/206, 226, 205; D24/174; 128/864, 128/865, 866; 381/380, 381, 104; 455/90.3, 575.1, 569.1  
CPC ..... H04R 25/00; H04R 25/02; H04R 1/10; H04R 1/105; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0335; H04R 19/04; H04R 1/1083; H04R 1/08; H04R 1/1091  
See application file for complete search history.

- D521,492 S \* 5/2006 Ham ..... D14/205
  - 7,106,873 B1 \* 9/2006 Harrison ..... A61N 1/36038 381/330
  - 7,155,023 B2 \* 12/2006 Dittli ..... H04R 25/00 381/330
  - 7,372,973 B2 \* 5/2008 Meier ..... H04R 25/654 381/330
  - D593,076 S 5/2009 Kung et al.
  - D612,834 S \* 3/2010 Yang ..... D14/206
  - D617,316 S \* 6/2010 Elabidi ..... D14/223
  - 7,778,410 B2 \* 8/2010 Liu ..... H04M 1/05 379/430
  - D647,877 S \* 11/2011 Son ..... D14/206
- (Continued)

**FOREIGN PATENT DOCUMENTS**

- CN 305135882 \* 4/2019
  - CN 305148038 \* 5/2019
- (Continued)

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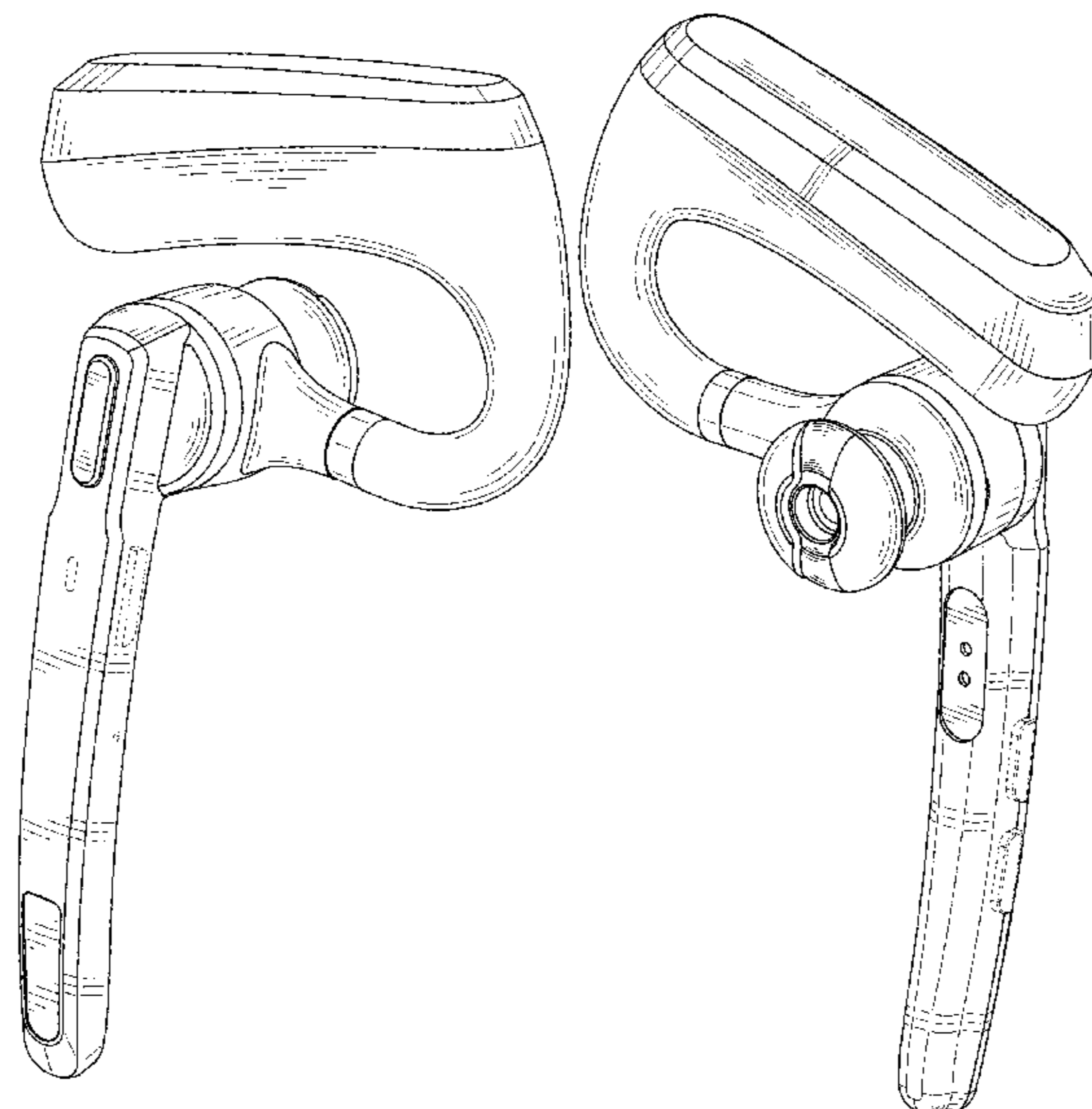
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front view of a wireless earphone showing my new design;  
FIG. 2 is a back 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.  
FIG. 7 is a perspective view thereof; and,  
FIG. 8 is another perspective view thereof.  
The broken lines shown in the drawings depict portions of the wireless earphone in which the design is embodied that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56) **References Cited**  
U.S. PATENT DOCUMENTS

- 4,617,431 A \* 10/1986 Scott ..... H04M 1/05 181/20
- 4,757,546 A \* 7/1988 Akino ..... H04R 1/342 381/357
- 6,101,260 A \* 8/2000 Jensen ..... H04M 1/05 379/430
- D490,398 S \* 5/2004 Gwee ..... D14/205
- 6,771,790 B2 \* 8/2004 Liu ..... H04M 1/05 381/375
- D512,984 S \* 12/2005 Ham ..... D14/205
- 7,020,300 B1 \* 3/2006 Villaverde ..... H04R 1/1058 381/374
- D518,473 S \* 4/2006 Gwee ..... D14/205

(56)

References Cited

U.S. PATENT DOCUMENTS

8,061,473 B1 \* 11/2011 Kerr ..... H04R 1/1016  
 181/135  
 D653,649 S \* 2/2012 Yang ..... D14/206  
 D657,347 S \* 4/2012 Chung ..... D14/206  
 D670,267 S \* 11/2012 Maddern ..... D14/206  
 D681,002 S \* 4/2013 Ham ..... D14/205  
 D681,003 S \* 4/2013 Ham ..... D14/206  
 D681,014 S \* 4/2013 Ham ..... D14/223  
 RE44,672 E \* 12/2013 Yang ..... D14/223  
 RE45,056 E \* 8/2014 Yang ..... D14/206  
 D717,767 S \* 11/2014 Mistry ..... D14/206  
 D717,771 S \* 11/2014 Harper ..... D14/223  
 D726,147 S \* 4/2015 Tran ..... D14/206  
 D739,388 S \* 9/2015 Paterson ..... D14/225  
 D748,602 S 2/2016 Henning  
 D750,043 S \* 2/2016 Birger ..... D14/206  
 9,307,311 B2 \* 4/2016 Tran ..... H04R 1/1066  
 D762,623 S \* 8/2016 Gondo ..... D14/223  
 D784,290 S \* 4/2017 Paterson ..... D14/205  
 D784,291 S \* 4/2017 Paterson ..... D14/206  
 D789,331 S \* 6/2017 Paterson ..... D14/225  
 D797,076 S \* 9/2017 Zhang ..... D14/206  
 D804,035 S \* 11/2017 Gabathuler ..... D24/174  
 D812,040 S \* 3/2018 Yan ..... D14/206  
 D813,849 S \* 3/2018 Andreen ..... D14/223  
 D814,444 S \* 4/2018 Liu ..... D14/223  
 D828,327 S \* 9/2018 Birger ..... D14/206  
 D830,337 S \* 10/2018 Yan ..... D14/206  
 D830,338 S \* 10/2018 Yan ..... D14/206  
 D830,339 S \* 10/2018 Yan ..... D14/206  
 D836,599 S \* 12/2018 Duan ..... D14/206  
 D838,688 S \* 1/2019 Liu ..... D14/206

D850,408 S \* 6/2019 Kawabata ..... D14/206  
 D851,065 S \* 6/2019 Yan ..... D14/206  
 D855,036 S \* 7/2019 Yan ..... D14/206  
 D863,254 S \* 10/2019 Hu ..... D14/206  
 D872,707 S \* 1/2020 Liu ..... D14/206  
 D879,068 S \* 3/2020 Yan ..... D14/206  
 D883,951 S \* 5/2020 Yan ..... D14/206  
 D903,635 S \* 12/2020 Liu ..... D14/206  
 D913,263 S \* 3/2021 Yang ..... D14/206  
 D915,347 S \* 4/2021 Duan ..... D14/206  
 D916,049 S \* 4/2021 Xu ..... D14/206  
 D924,201 S \* 7/2021 Yan ..... D14/206  
 D926,152 S \* 7/2021 Yan ..... D14/206  
 D926,153 S \* 7/2021 Yan ..... D14/206  
 2015/0237434 A1 \* 8/2015 Tran ..... H04R 1/1008  
 381/380  
 2016/0181718 A1 \* 6/2016 Kann ..... H01R 13/447  
 381/91  
 2017/0339498 A1 \* 11/2017 Vandyke ..... H04R 25/604  
 2018/0343525 A1 \* 11/2018 Karlsen ..... H04R 25/65  
 2021/0337318 A1 \* 10/2021 Jarng ..... H04R 25/02

FOREIGN PATENT DOCUMENTS

CN 306011354 \* 8/2020  
 CN 306182131 \* 11/2020  
 CN 306248948 \* 12/2020  
 CN 306824683 \* 9/2021  
 CN 307041709 \* 12/2021  
 GB 9006599627-0001 \* 6/2019  
 GB 9007984893-0002 \* 6/2020  
 GB 6158267 \* 9/2021  
 JP D1679001 \* 1/2021

\* cited by examiner

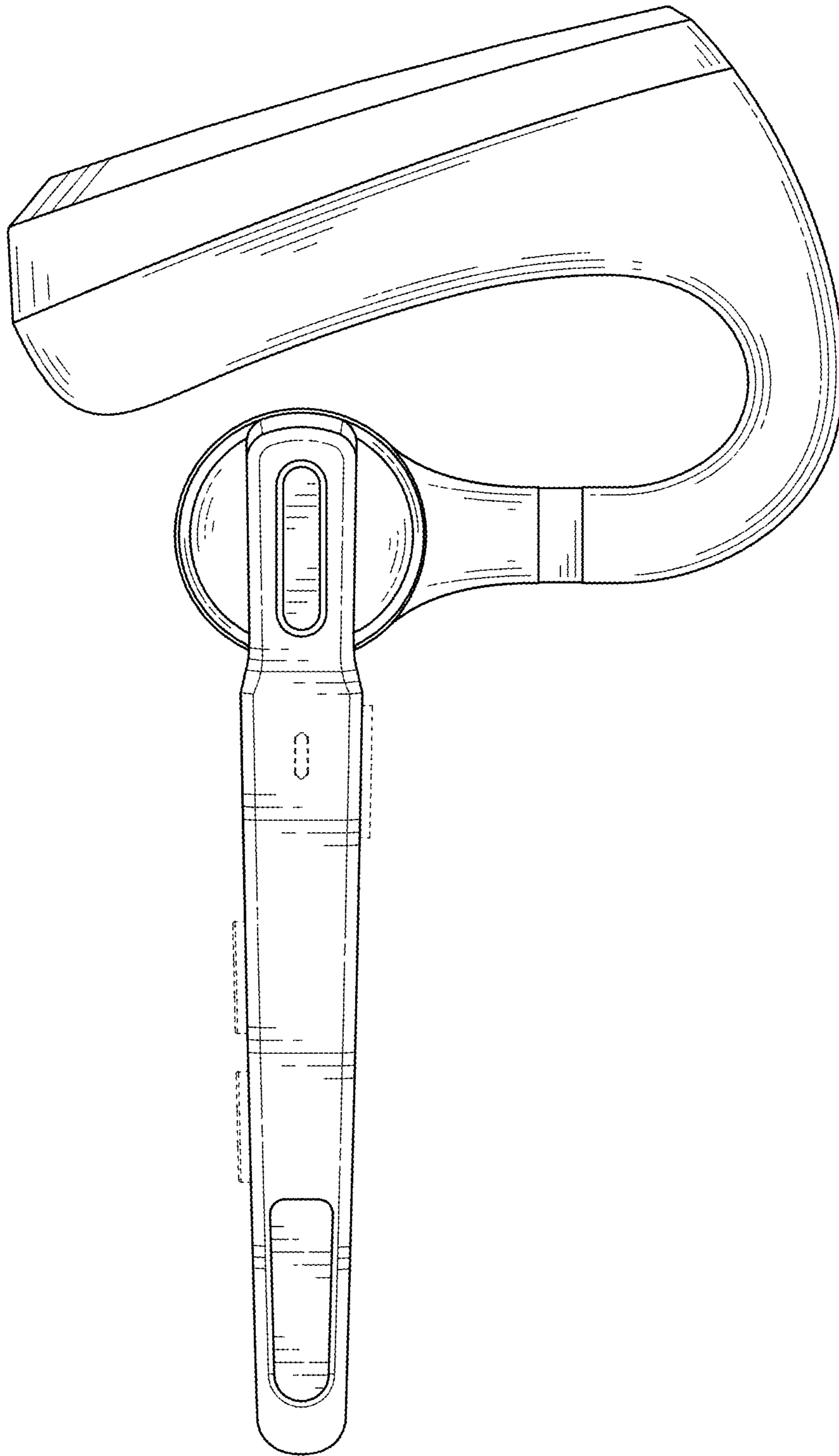


FIG. 1

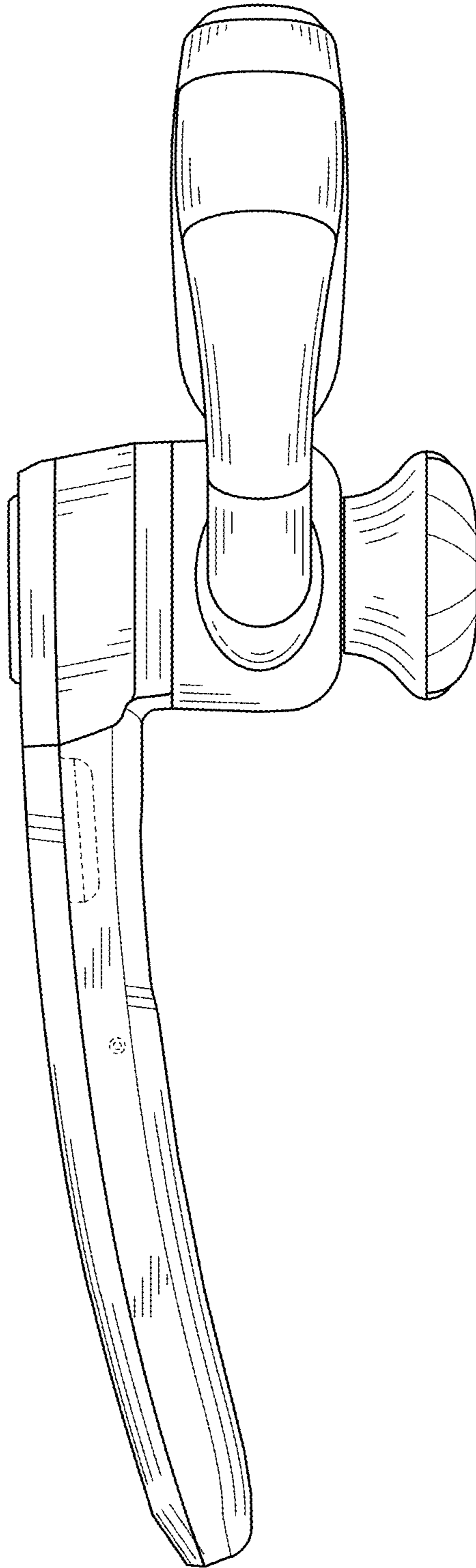


FIG. 2

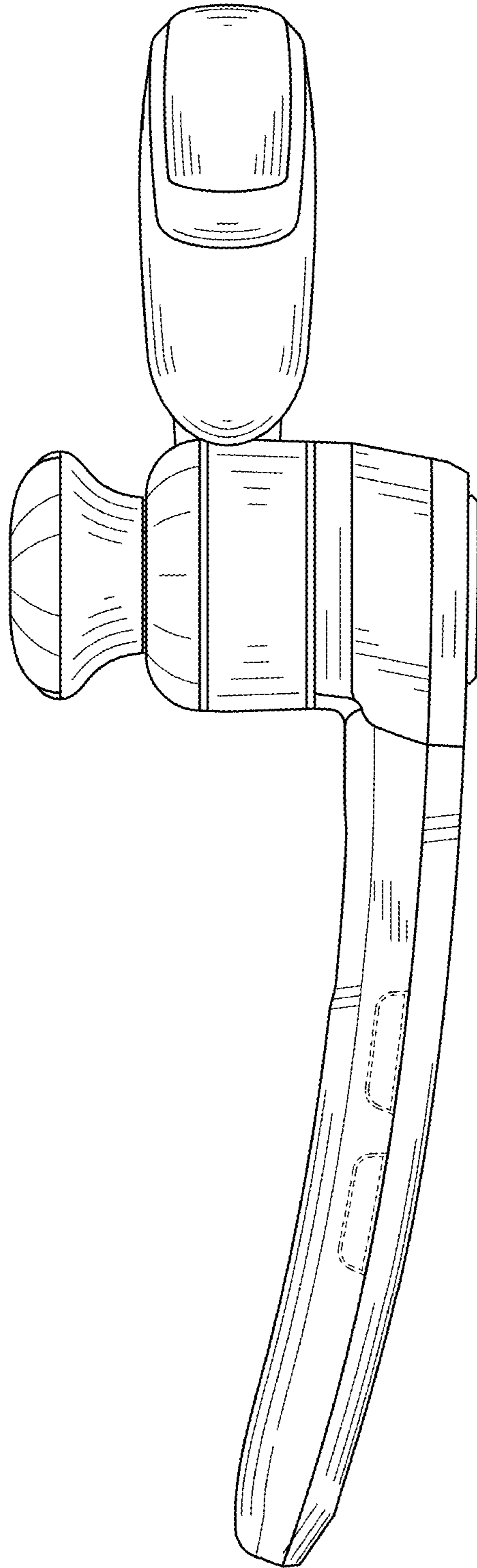


FIG. 3

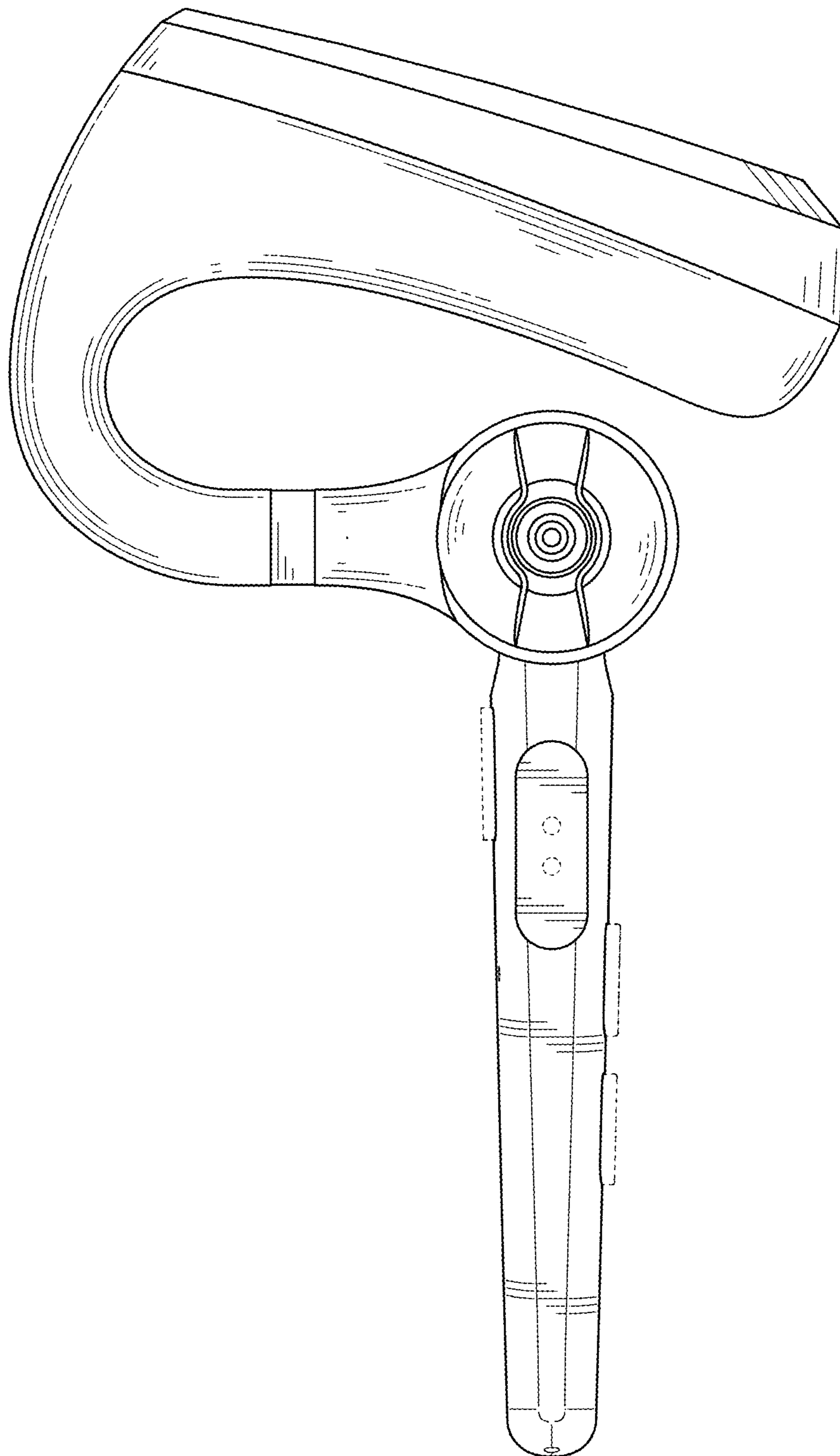


FIG. 4

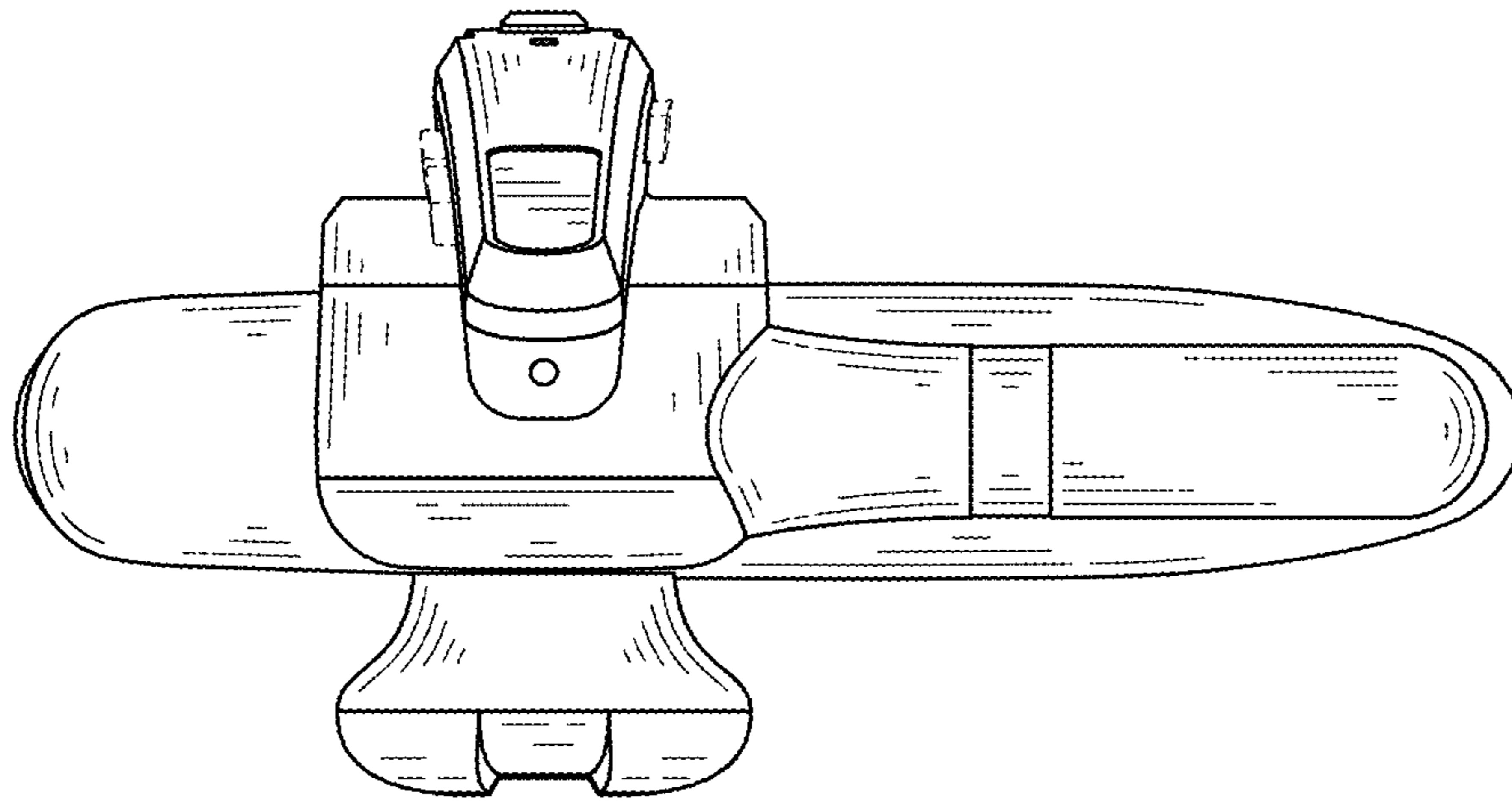


FIG. 5

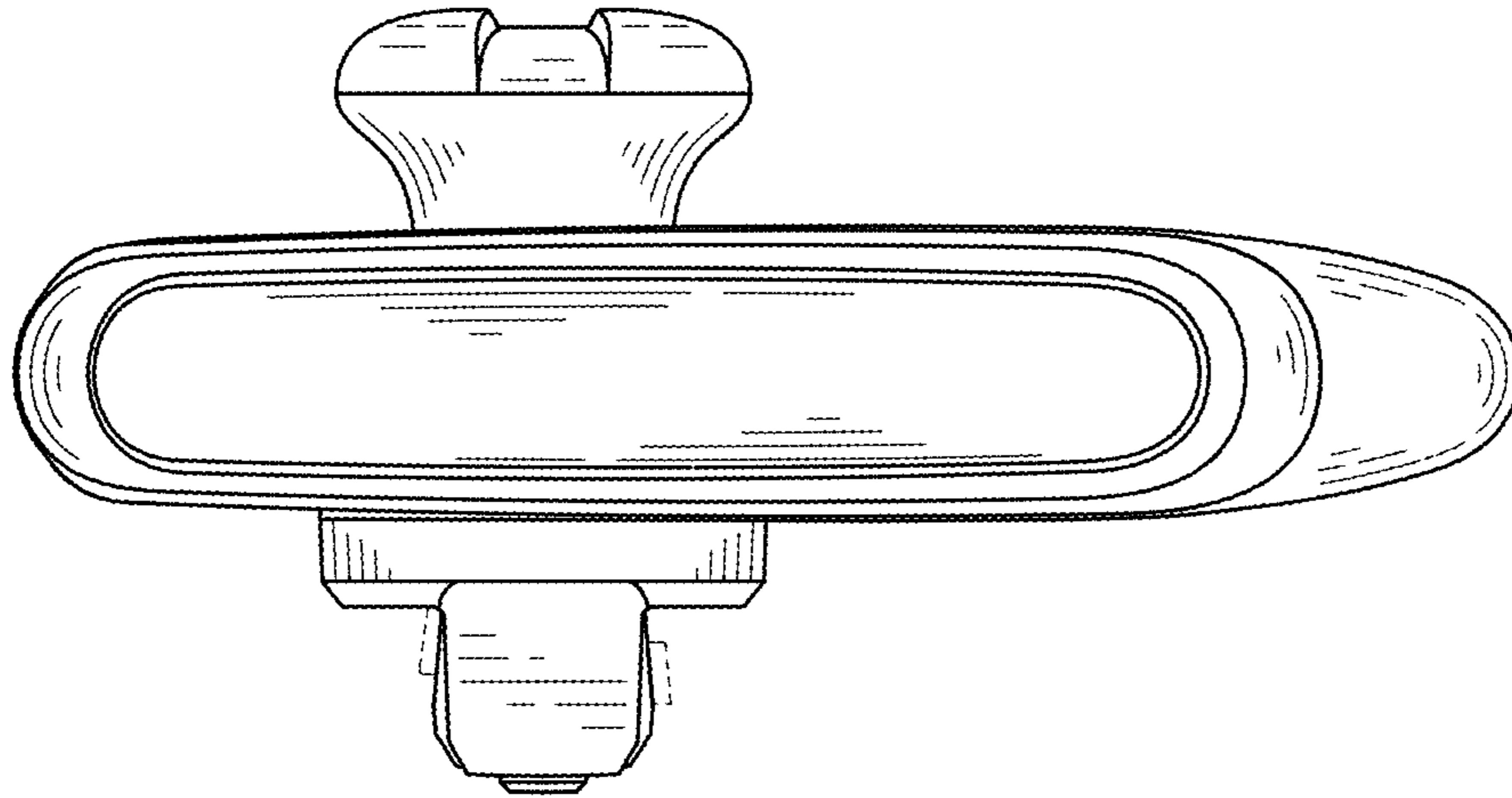


FIG. 6



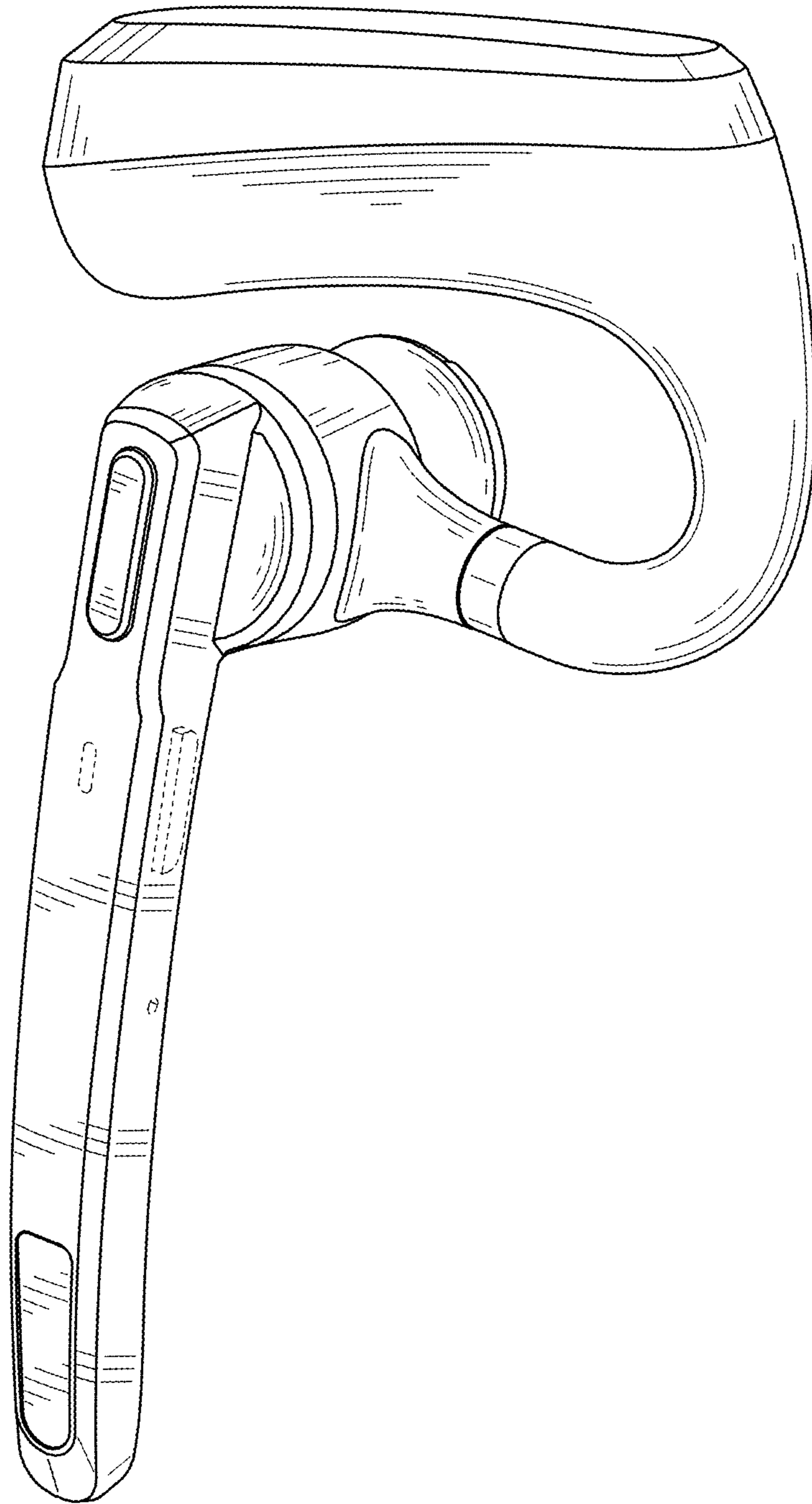


FIG. 7

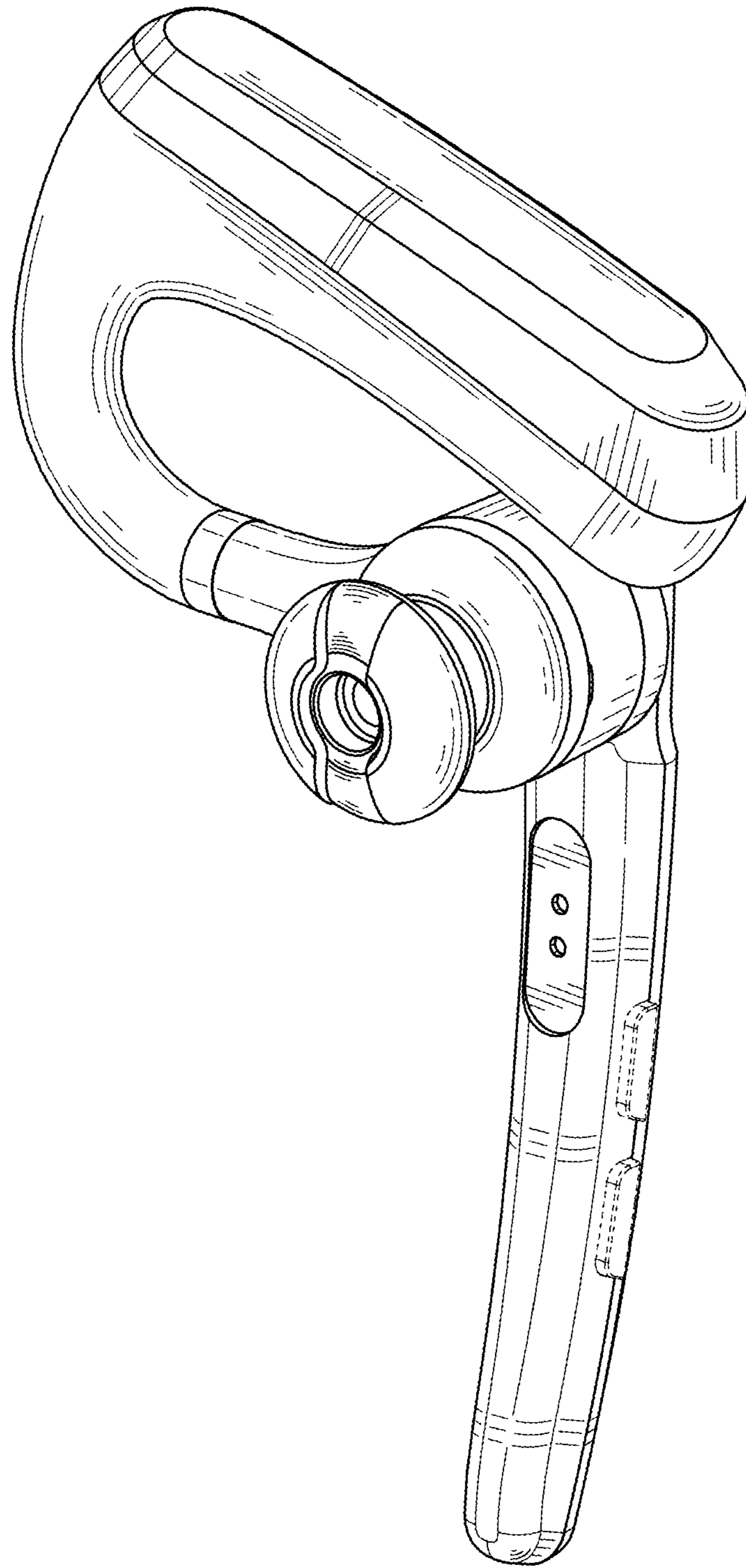


FIG. 8