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(12) **United States Design Patent** (10) **Patent No.:** **US D933,633 S**
Terazaki (45) **Date of Patent:** **** Oct. 19, 2021**

(54) **EARPHONE**

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

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(52) **U.S. Cl.**
USPC **D14/205**

(58) **Field of Classification Search**
USPC D14/205, 223, 206, 192; D24/174;
381/380, 381, 74
CPC H04R 1/1016; H04R 1/1066; H04R 5/033;
H04R 5/0335; H04R 1/10; H04R 1/02;
H04R 1/105; H04R 1/1058; H04R
1/1091; H04R 1/1025
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,891,116 A * 6/1959 Nichols H04R 25/609
381/330
3,197,576 A * 7/1965 Martin H04R 25/656
381/322
D371,558 S * 7/1996 Yoshizawa D14/205
D566,099 S * 4/2008 Komiyama D14/206
D593,067 S * 5/2009 Millora D14/205
D594,441 S * 6/2009 Lee D14/205
D669,881 S * 10/2012 Clements D14/205
D703,634 S * 4/2014 Han H04R 1/1016
D14/205
D711,858 S * 8/2014 Yang D14/223

D716,759 S * 11/2014 Ha D14/205
D721,673 S * 1/2015 Park D14/205
D723,510 S * 3/2015 Ishikura D14/205
D726,649 S * 4/2015 Lee D13/103
D743,933 S * 11/2015 Park D14/205
D756,959 S * 5/2016 Lee D14/205
D762,617 S * 8/2016 Park D14/205
D766,210 S * 9/2016 Graylin D14/206
D766,869 S * 9/2016 Lee D14/205
D768,600 S * 10/2016 Chen D14/205
D771,011 S * 11/2016 Ott H04R 1/1058
D14/205
D771,587 S * 11/2016 Iwane D14/205
D771,588 S * 11/2016 Choe D14/205

(Continued)

FOREIGN PATENT DOCUMENTS

EM 002765792-0001 * 9/2015
EM 003074962-0001 * 4/2016

(Continued)

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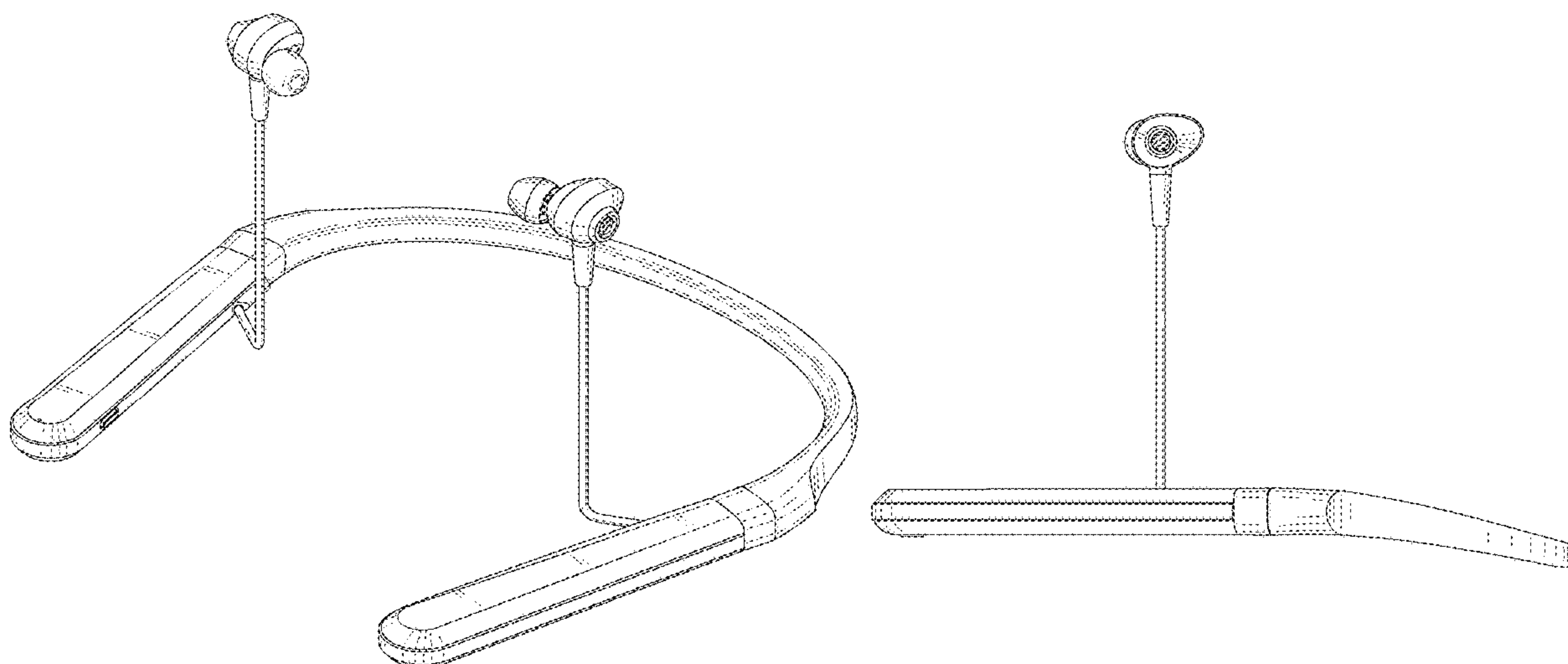
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the front, top and right side of an earphone showing my 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 broken line showing of the earphone is included for the purpose of illustrating portions of the earphone and forms no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D772,843 S * 11/2016 Lee D14/205
D772,845 S * 11/2016 Lim D14/205
D776,636 S * 1/2017 Lim D14/205
D793,357 S * 8/2017 Afshar D14/205
D793,358 S * 8/2017 Lee D14/205
D795,838 S * 8/2017 Li D14/205
D800,088 S * 10/2017 Kim D14/205
D800,089 S * 10/2017 Park D14/205
D800,090 S * 10/2017 Ahn D14/205
D811,366 S * 2/2018 Mackiewicz D14/205
D816,636 S * 5/2018 Birger D14/205
D817,301 S * 5/2018 Aoyagi D14/205
D818,454 S * 5/2018 Zhu D14/205
D821,352 S * 6/2018 Liden D14/205
D823,827 S * 7/2018 Pourriot D14/205
D823,828 S * 7/2018 Park D14/205
D824,358 S * 7/2018 Vaclavik D14/205
D824,361 S * 7/2018 Park D14/205
D826,898 S * 8/2018 Kim D14/205
D826,899 S * 8/2018 Ahn D14/205
D830,335 S * 10/2018 Shin D14/205
D830,341 S * 10/2018 Yokozeki D14/210
D830,994 S * 10/2018 Lee D14/205
D830,995 S * 10/2018 Shin D14/205
D830,996 S * 10/2018 Park D14/205
D830,997 S * 10/2018 Park D14/205
D830,998 S * 10/2018 Kim D14/205
D830,999 S * 10/2018 Kim D14/205
D832,234 S * 10/2018 Park D14/205
D832,812 S * 11/2018 Fyrlund D14/205
D832,814 S * 11/2018 Kim D14/205
D832,815 S * 11/2018 Park D14/205
D832,816 S * 11/2018 Park D14/205
D832,817 S * 11/2018 Park D14/205
D832,818 S * 11/2018 Park D14/205
D832,819 S * 11/2018 Park D14/205
D833,997 S * 11/2018 Ando D14/205
D835,065 S * 12/2018 Park D14/205
D837,184 S * 1/2019 Zhu D14/205
D840,972 S * 2/2019 Luo D14/205
D842,837 S * 3/2019 Li D14/205
D842,838 S * 3/2019 Li D14/205
D843,346 S * 3/2019 Kim D14/205
D843,968 S * 3/2019 Li D14/205
D844,585 S * 4/2019 Sogabe D14/205
D845,270 S * 4/2019 Weber D14/205
D845,272 S * 4/2019 Birger D14/205
D851,061 S * 6/2019 Zeng D14/205
D851,625 S * 6/2019 Mackiewicz D14/205

D853,351 S * 7/2019 Ott D14/205
D853,353 S * 7/2019 Kim D14/205
D853,987 S * 7/2019 Kelley D14/205
D855,582 S * 8/2019 Shin D14/205
D856,965 S * 8/2019 Shin D14/205
D856,966 S * 8/2019 Shin D14/205
D856,972 S * 8/2019 Shin D14/206
D857,651 S * 8/2019 Li D14/205
D858,480 S * 9/2019 Weber D14/205
D862,414 S * 10/2019 Oh D14/205
10,491,983 B2 * 11/2019 Oh H04R 1/1066
D873,791 S * 1/2020 Aoyagi D14/205
D875,712 S * 2/2020 Park D14/205
D876,390 S * 2/2020 Kim D14/205
D876,391 S * 2/2020 Kim D14/205
D878,330 S * 3/2020 Lee D14/205
D879,743 S * 3/2020 Lee D14/205
10,701,473 B2 * 6/2020 Boyer H03G 3/3005
D890,121 S * 7/2020 Tsubone D14/205
D890,126 S * 7/2020 Lee D14/205
D890,717 S * 7/2020 Lee D14/205
D890,718 S * 7/2020 Lee D14/205
D911,305 S * 2/2021 Yook D14/205
D914,634 S * 3/2021 Kelley D14/205
D918,874 S * 5/2021 Sugiura D14/223
2013/0163804 A1 * 6/2013 Hwang H04R 1/2888
381/380
2013/0329903 A1 * 12/2013 Ting H04R 1/105
381/74
2015/0264474 A1 * 9/2015 Seo B60R 1/062
381/74
2017/0070801 A1 * 3/2017 Nguyen H04R 5/0335
2017/0311072 A1 * 10/2017 Seo H01H 13/00
2018/0184205 A1 * 6/2018 Na H04R 1/1083
2018/0241863 A1 * 8/2018 Lee H04M 1/6066
2018/0332378 A1 * 11/2018 Guo H04R 1/1008
2018/0341982 A1 * 11/2018 Gotoh G01C 21/3476
2019/0020942 A1 * 1/2019 Tang H04R 1/1066
2019/0058951 A1 * 2/2019 Park H04R 1/105
2020/0068288 A1 * 2/2020 Guo H04R 5/0335
2020/0177981 A1 * 6/2020 Ma H04R 1/345
2020/0186906 A1 * 6/2020 Birch H04R 1/1016
2021/0136478 A1 * 5/2021 Jou H04R 1/04
2021/0152916 A1 * 5/2021 Kohler H04R 1/1041

FOREIGN PATENT DOCUMENTS

EM 004055010-0002 * 6/2017
EM 005947702-0001 * 1/2019
EM 007797287-0001 * 4/2020
WO D213303-001 * 3/2021

* cited by examiner

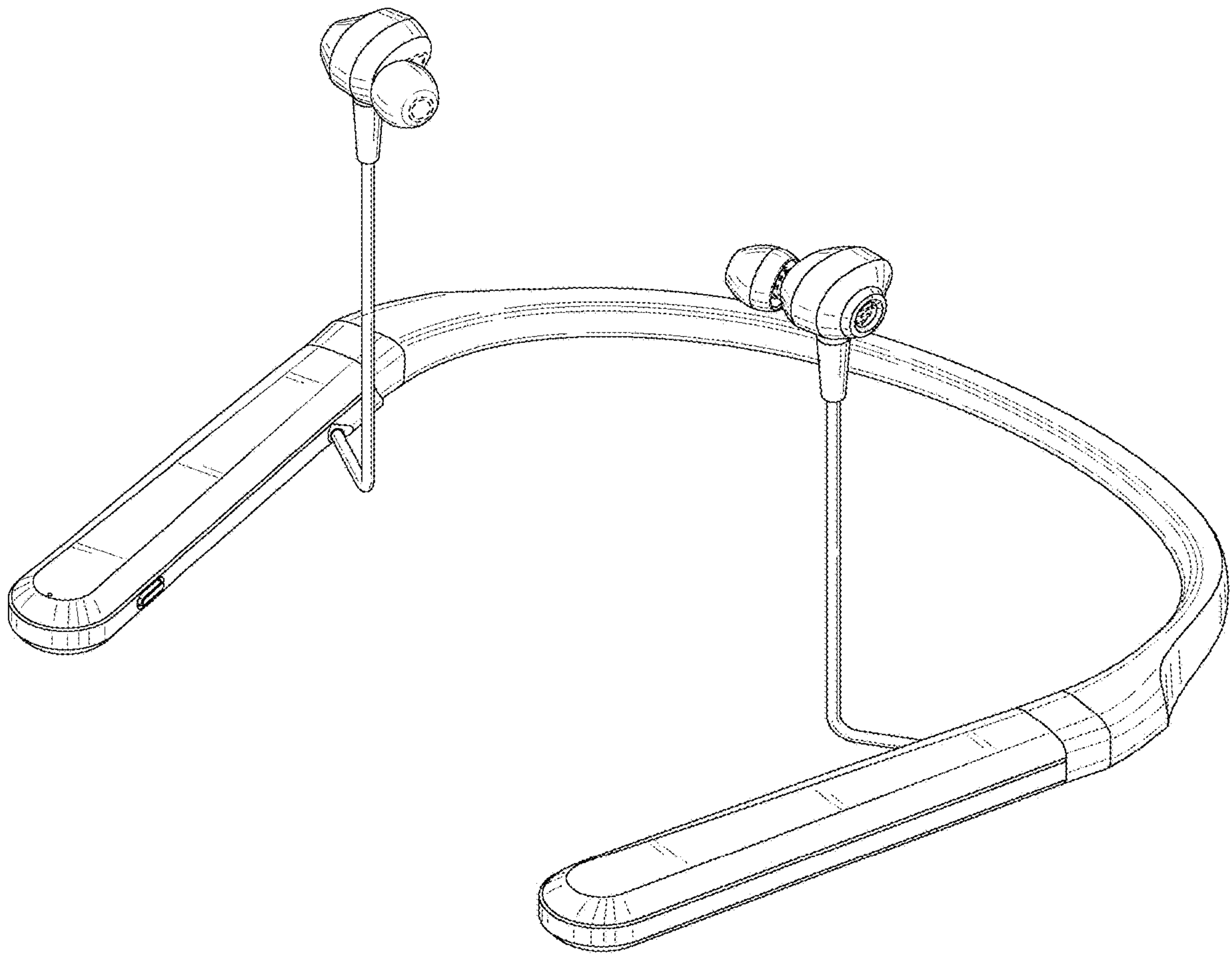


FIG. 1

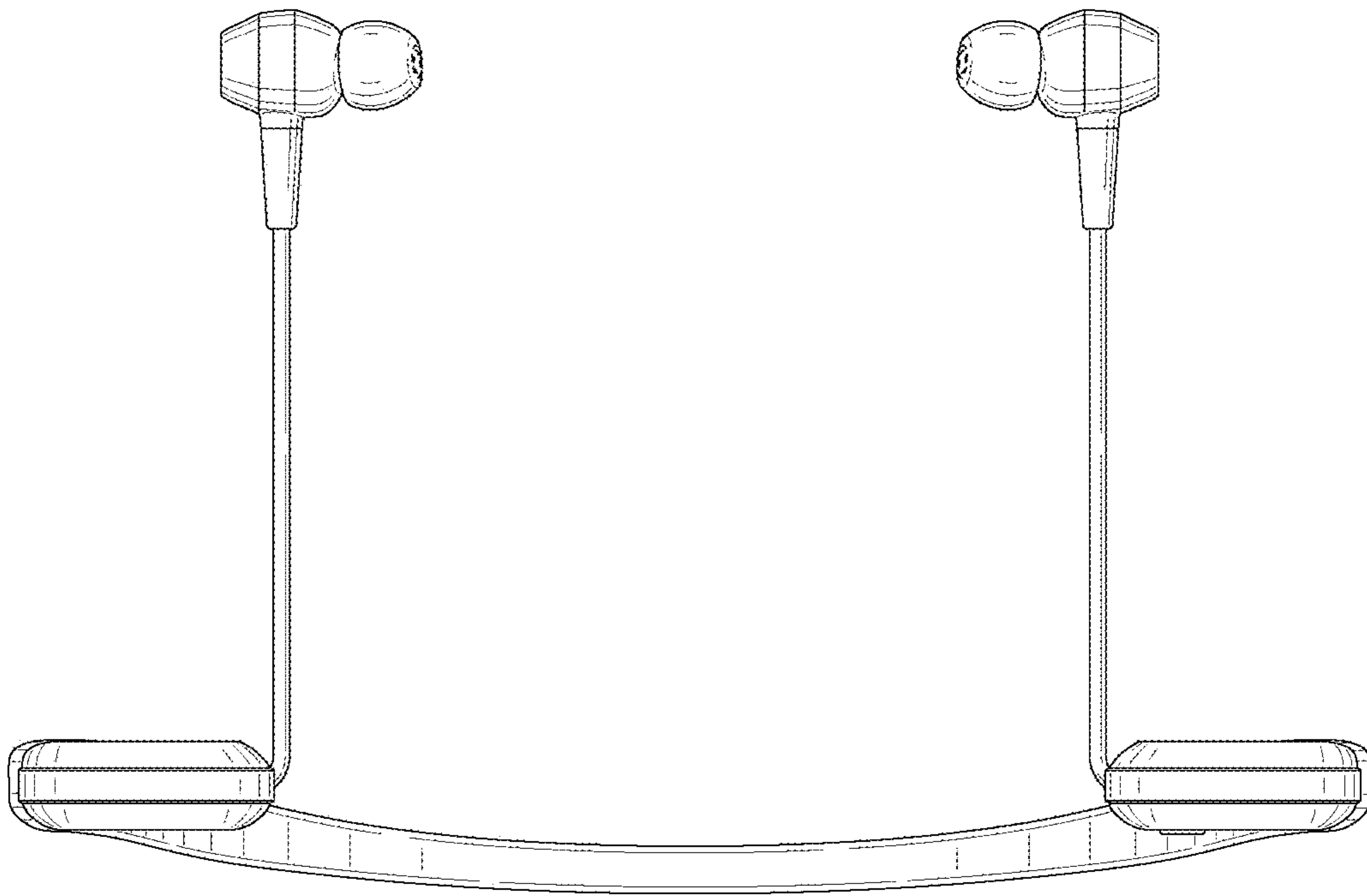


FIG. 2

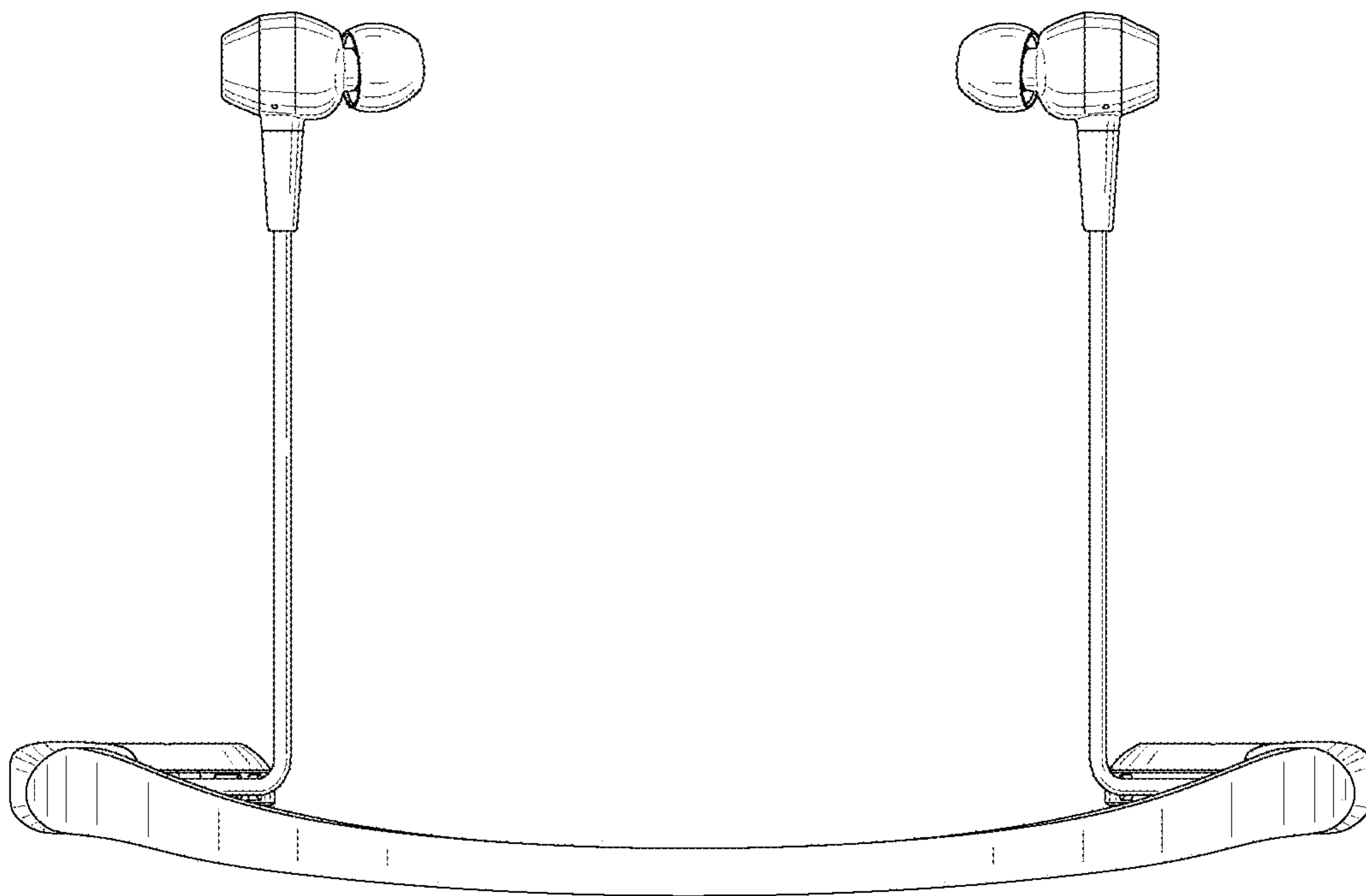


FIG. 3

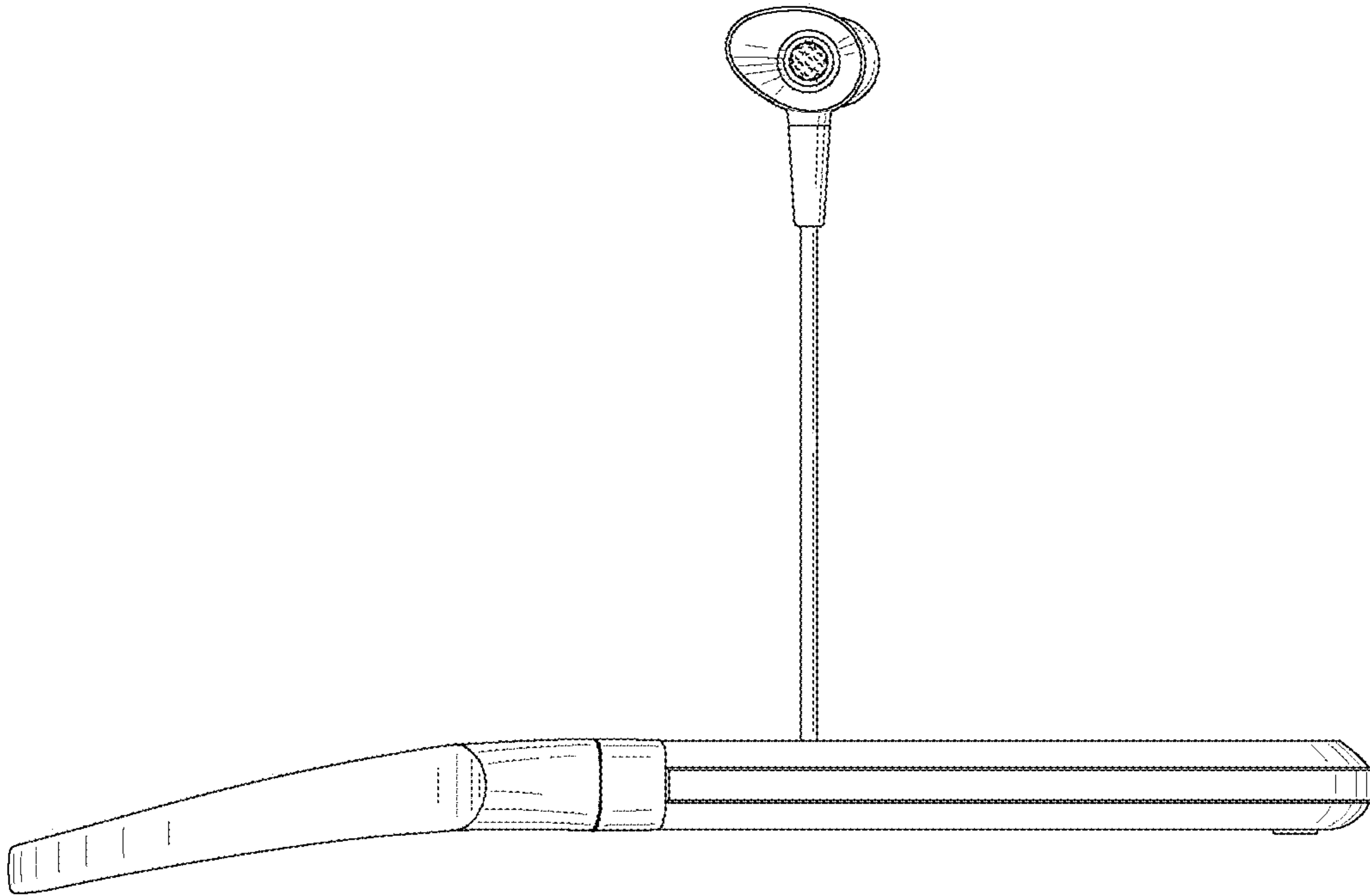


FIG. 4

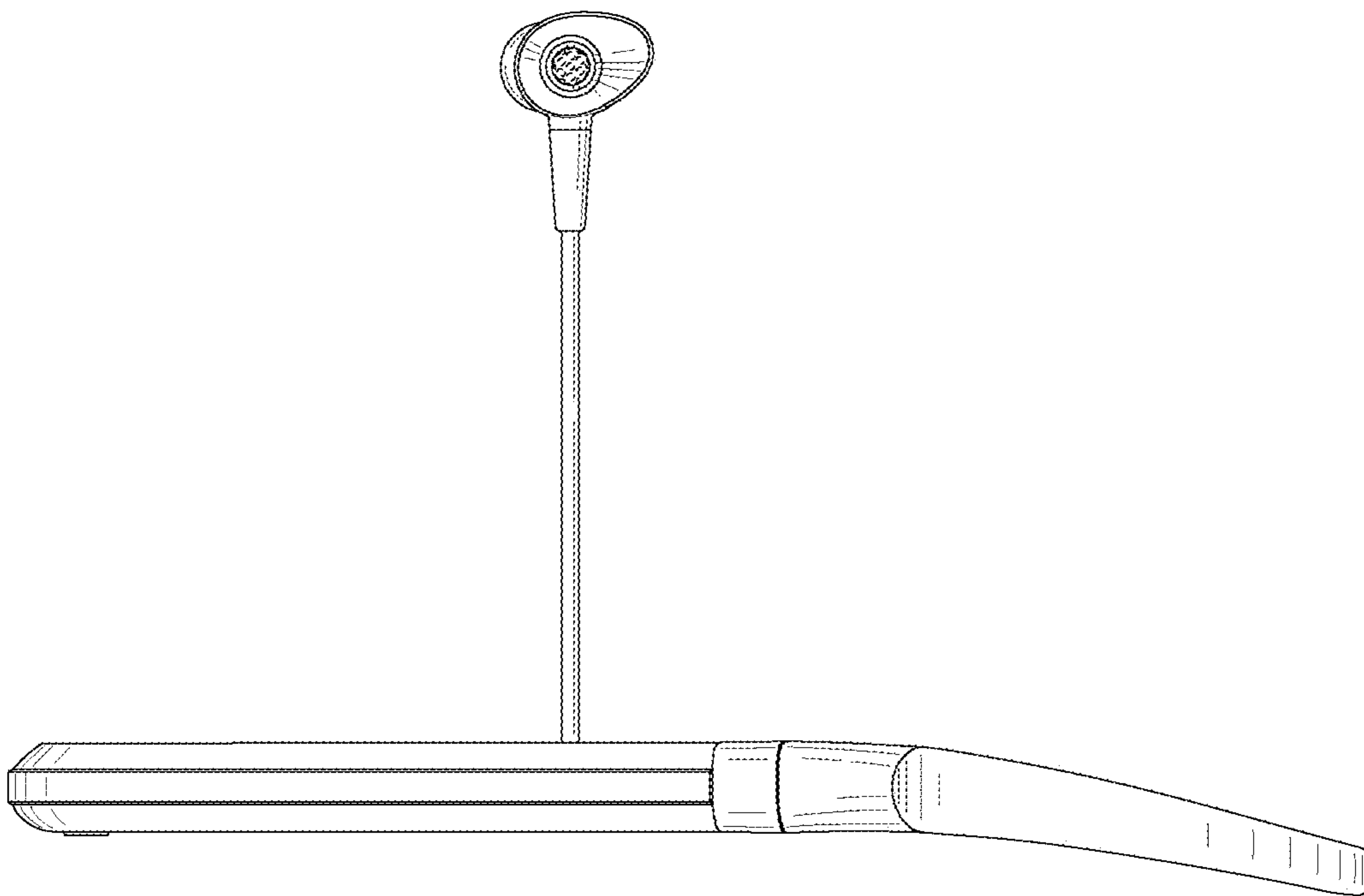


FIG. 5



FIG. 6

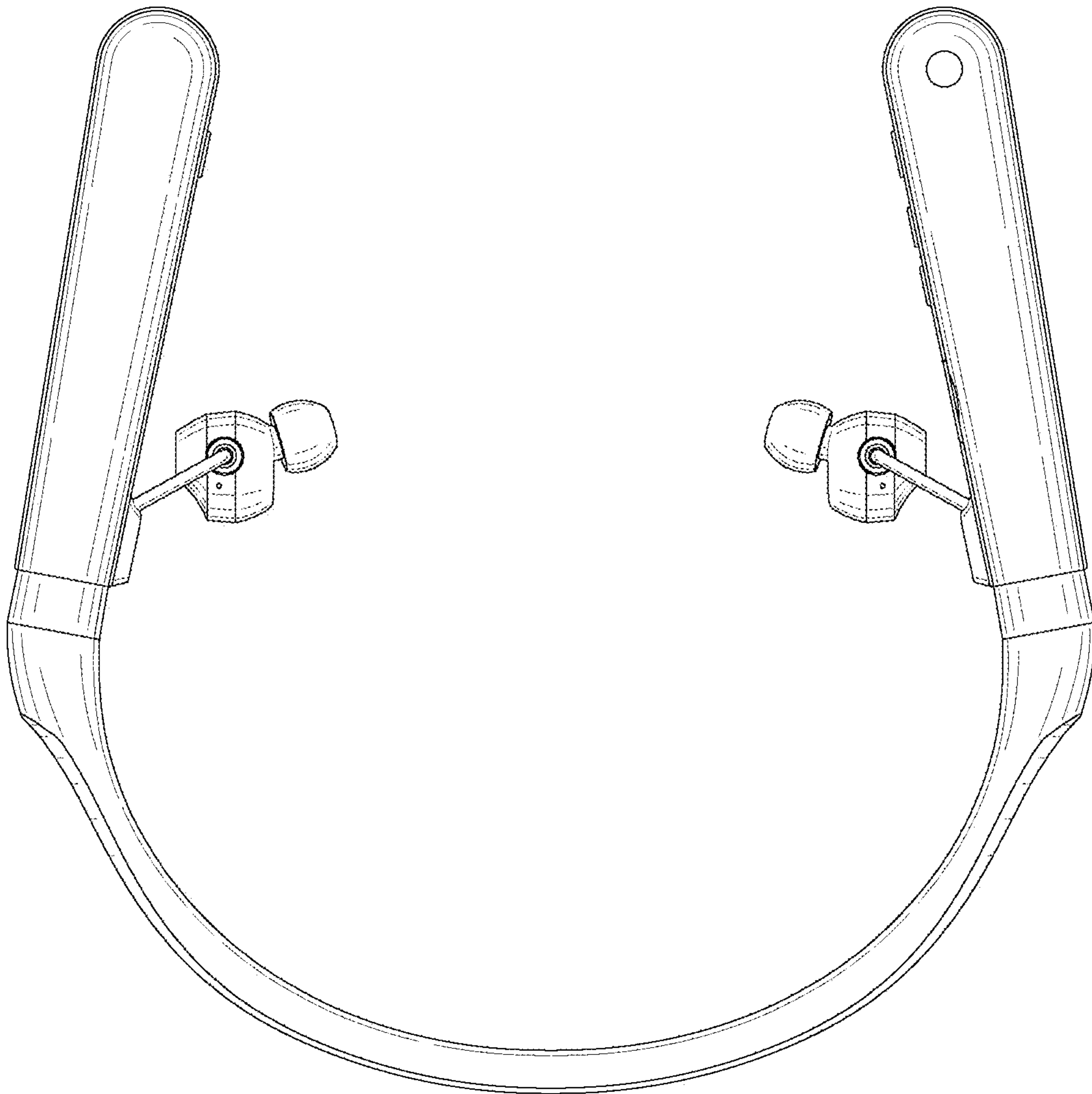


FIG. 7