



US00D992525S

(12) **United States Design Patent** (10) **Patent No.:** **US D992,525 S**
Ho (45) **Date of Patent:** **** Jul. 18, 2023**

(54) **BONE CONDUCTION HEADPHONE**

(71) Applicant: **Dongguan Pure Audio Technology Co., Ltd.**, Dongguan (CN)

(72) Inventor: **Chun-Chun Ho**, New Taipei (TW)

(73) Assignee: **Dongguan Pure Audio Technology Co., Ltd.**, Dongguan (CN)

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

(21) Appl. No.: **29/798,194**

(22) Filed: **Jul. 6, 2021**

(51) **LOC (14) Cl.** **14-01**

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

(58) **Field of Classification Search**
USPC D14/205, 223, 188, 192; D13/108, 168;
D24/174; 128/864-866; 381/380-381,
381/74, 374, 334, 309, 326, 151, 351
CPC H04R 1/10; H04R 25/00; H04R 25/02;
H04R 1/1033; H04R 1/1016; H04R
1/1066; H04R 5/033; H04R 5/0335;
H04R 1/105; H04R 1/1058; H04R
1/1083; H04R 9/06; H04R 1/1008; H04R
1/1091; G06F 3/162
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D117,003 S * 10/1939 Woodruff et al. 381/151
D316,551 S * 4/1991 Ichikawa D14/223
D318,669 S * 7/1991 Nakayama D14/205
D321,879 S * 11/1991 Emmerling D14/188
D331,057 S * 11/1992 Isonaga D14/223
D331,408 S * 12/1992 Ellermeier D14/205
D350,354 S * 9/1994 Nakamura D14/205
D368,716 S * 4/1996 Shudo D14/205
D371,558 S * 7/1996 Yoshizawa D14/205
5,687,244 A * 11/1997 Untersander H04R 9/066
381/151
D457,515 S * 5/2002 Masamitsu D14/223

D458,245 S * 6/2002 Masuda D14/205
6,603,863 B1 * 8/2003 Nagayoshi H04R 1/1066
D14/206
6,721,433 B2 * 4/2004 Sato H04R 5/0335
381/381

(Continued)

FOREIGN PATENT DOCUMENTS

CN 304583787 * 4/2018
CN 304974346 * 1/2019
TW 218978-0001 * 7/2021

Primary Examiner — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — ScienBiziP, P.C.

(57) **CLAIM**

The ornamental design for a bone conduction headphone, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a bone conduction headphone showing my design.

FIG. 2 is a rear perspective view of the bone conduction headphone in FIG. 1.

FIG. 3 is a front elevation view of the bone conduction headphone in FIG. 1.

FIG. 4 is a rear elevation view of the bone conduction headphone in FIG. 1.

FIG. 5 is a left side elevation view of the bone conduction headphone in FIG. 1.

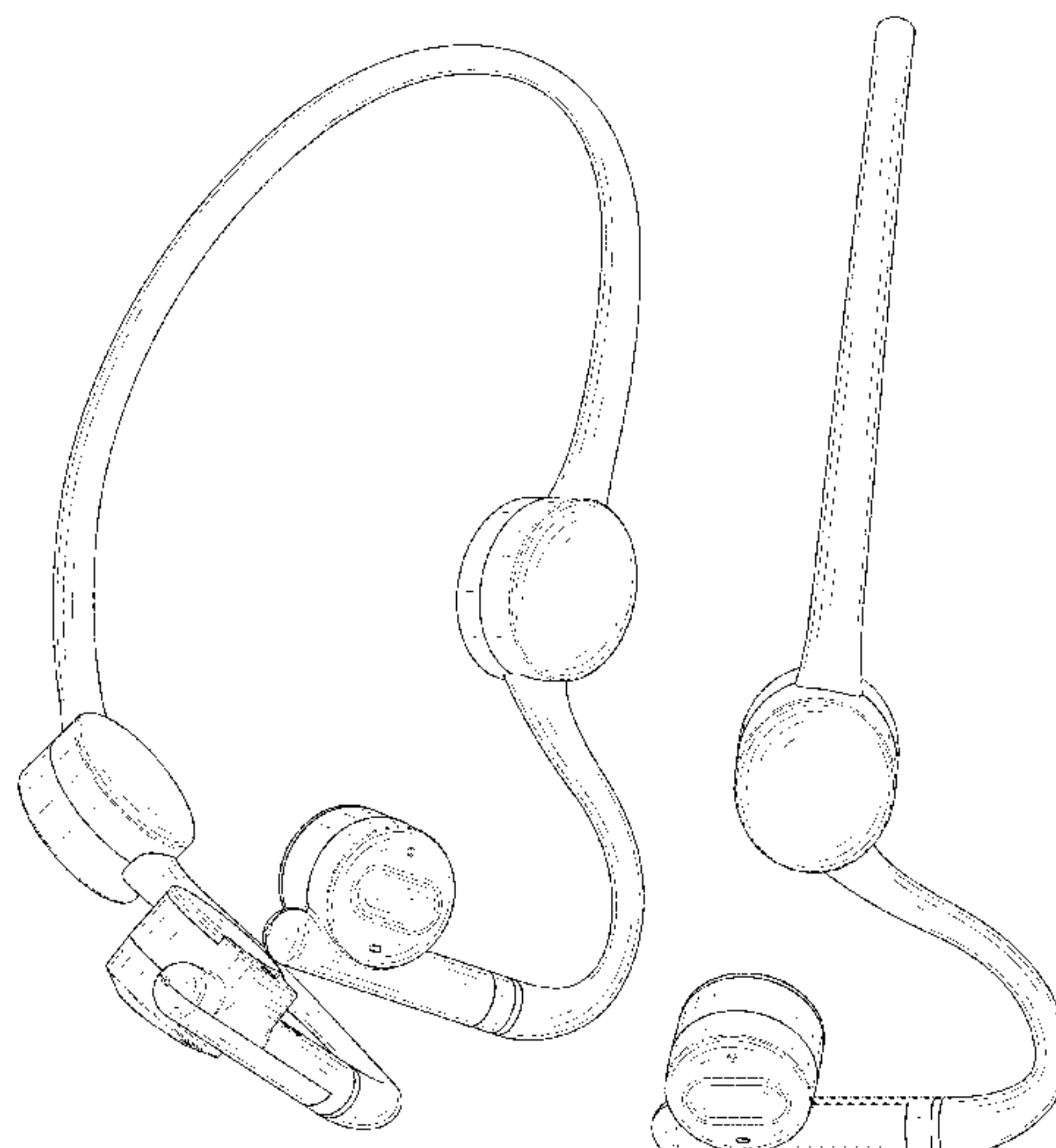
FIG. 6 is a right side elevation view of the bone conduction headphone in FIG. 1.

FIG. 7 is a top plan view of the bone conduction headphone in FIG. 1; and,

FIG. 8 is a bottom plan view of the bone conduction headphone in FIG. 1.

The broken lines in the drawings are employed to show unclaimed portions of the bone conduction headphone, and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,741,719 B1 * 5/2004 Orten H04R 1/1016
D14/206
D512,982 S * 12/2005 Rodarte D14/205
D550,202 S * 9/2007 Meier D14/206
D575,268 S * 8/2008 Christopher D14/205
D579,442 S * 10/2008 Kim D14/205
D587,678 S * 3/2009 Yuyama D14/205
D587,679 S * 3/2009 Komiyama D14/205
D588,099 S * 3/2009 Yuyama D14/223
D601,125 S * 9/2009 Komiyama D14/205
D604,269 S * 11/2009 Choe D14/205
D617,308 S * 6/2010 Nousiainen D14/205
D623,627 S * 9/2010 Alden D14/205
D630,186 S * 1/2011 Yang D14/205
D645,444 S * 9/2011 Quek D14/205
D653,234 S * 1/2012 Lee D14/205
D669,881 S * 10/2012 Clements D14/205
D678,857 S * 3/2013 Feng D14/205
D678,858 S * 3/2013 Feng D14/205
D690,681 S * 10/2013 Ito D14/205
D691,105 S * 10/2013 Ito D14/205
D695,264 S * 12/2013 Chee D14/205
D706,745 S * 6/2014 Nakagawa H04R 1/1066
D14/205
D707,199 S * 6/2014 Cephress H04R 1/10
D14/205
D712,371 S * 9/2014 Henning D14/205
D716,759 S * 11/2014 Ha D14/205
D717,765 S * 11/2014 Rausch D14/205
D721,673 S * 1/2015 Park D14/205
D722,999 S * 2/2015 Ishikura D14/205
D731,999 S * 6/2015 Cephress D14/205
D740,785 S * 10/2015 Chen D14/205
D745,490 S * 12/2015 Zheng D14/205
D752,542 S * 3/2016 Lamar D14/205
D756,958 S * 5/2016 Lee D14/205
D756,959 S * 5/2016 Lee D14/205
D763,821 S * 8/2016 Leopardi D14/205
D766,869 S * 9/2016 Lee D14/205
D771,587 S * 11/2016 Iwane D14/205

D790,501 S * 6/2017 Wang D14/205
D790,502 S * 6/2017 Qi D14/205
D790,503 S * 6/2017 Lok D14/205
D791,100 S * 7/2017 Chen D14/205
D801,301 S * 10/2017 Damboulev D14/205
D810,719 S * 2/2018 Nagamine D14/205
D823,279 S * 7/2018 Chen D14/205
D826,896 S * 8/2018 Huang D14/205
D829,190 S * 9/2018 Bullen D14/205
D851,060 S * 6/2019 Lu D14/205
D851,623 S * 6/2019 Zhang D14/205
D875,710 S * 2/2020 Bailey D14/205
D895,571 S * 9/2020 Li D14/205
D906,281 S * 12/2020 Zhang D14/205
D907,002 S * 1/2021 Zhang D14/205
D909,996 S * 2/2021 Zhang D14/223
D912,644 S * 3/2021 Liu D14/205
D915,345 S * 4/2021 Zhang D14/205
D919,592 S * 5/2021 Trought D14/205
D926,726 S * 8/2021 Zhang D14/223
D944,227 S * 2/2022 Zhu D14/205
D955,364 S * 6/2022 Wu D14/205
D957,361 S * 7/2022 Chen D14/205
D961,546 S * 8/2022 Zhang D14/205
D964,316 S * 9/2022 Tan D14/205
D977,449 S * 2/2023 Huang D14/205
D978,106 S * 2/2023 Song D14/205
D980,187 S * 3/2023 Su D14/205
2011/0170702 A1 * 7/2011 Bays H04R 5/0335
381/74
2014/0185837 A1 * 7/2014 Kunimoto H04R 1/1075
381/151
2019/0029529 A1 * 1/2019 Haartsen H04R 5/033
2019/0075389 A1 * 3/2019 Jan A42B 3/306
2020/0084546 A1 * 3/2020 Mainini H04R 1/1016
2021/0021939 A1 * 1/2021 Olah H04R 1/1041
2021/0067862 A1 * 3/2021 Li H04R 1/023
2021/0076123 A1 * 3/2021 Zhang H04R 9/06
2021/0092525 A1 * 3/2021 Zheng H04R 1/10
2022/0322017 A1 * 10/2022 Song H04R 1/1041
2022/0337929 A1 * 10/2022 Wang H04R 1/1075
2023/0061686 A1 * 3/2023 Wolfl H04R 1/105

* cited by examiner

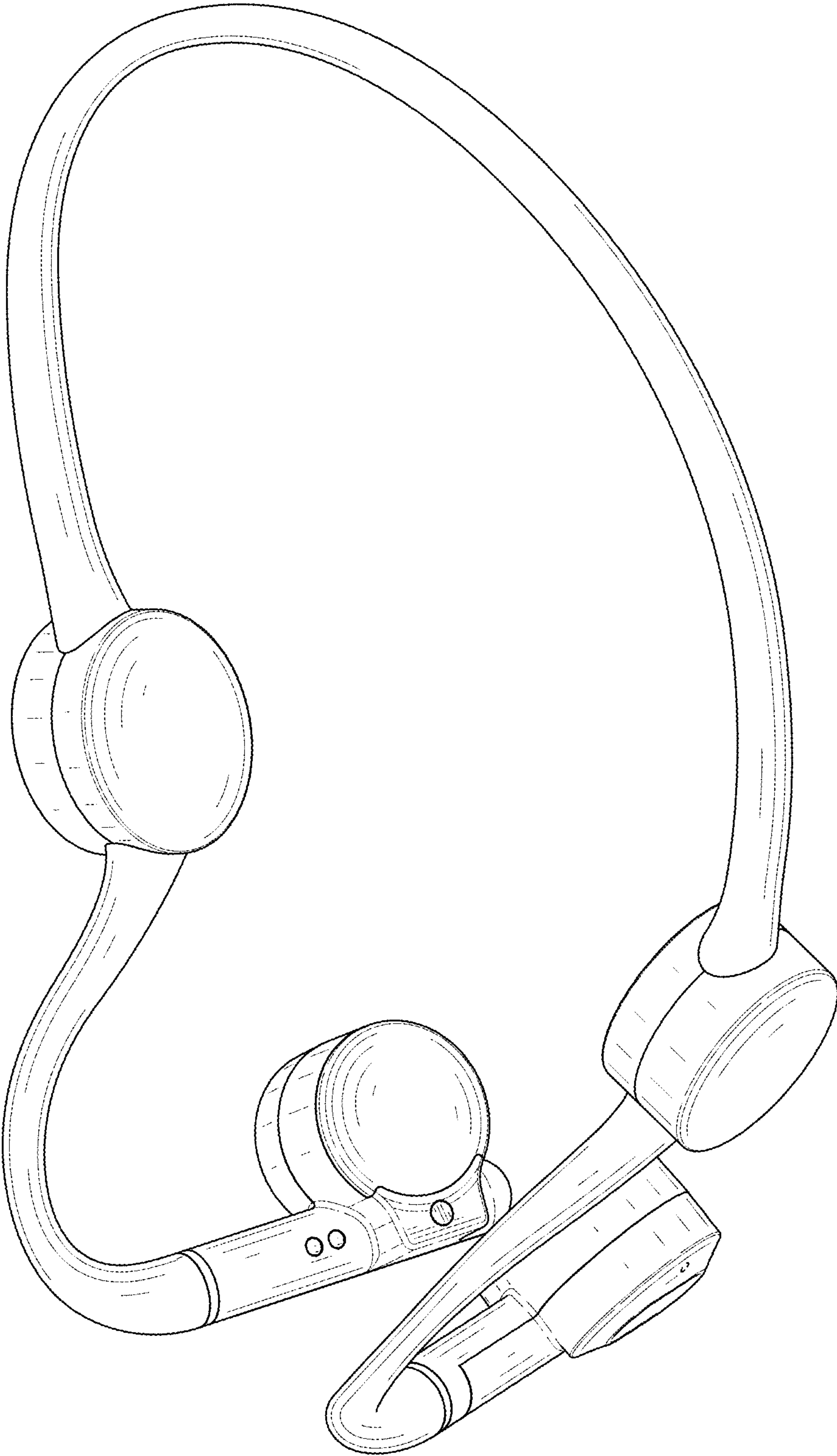


FIG. 1

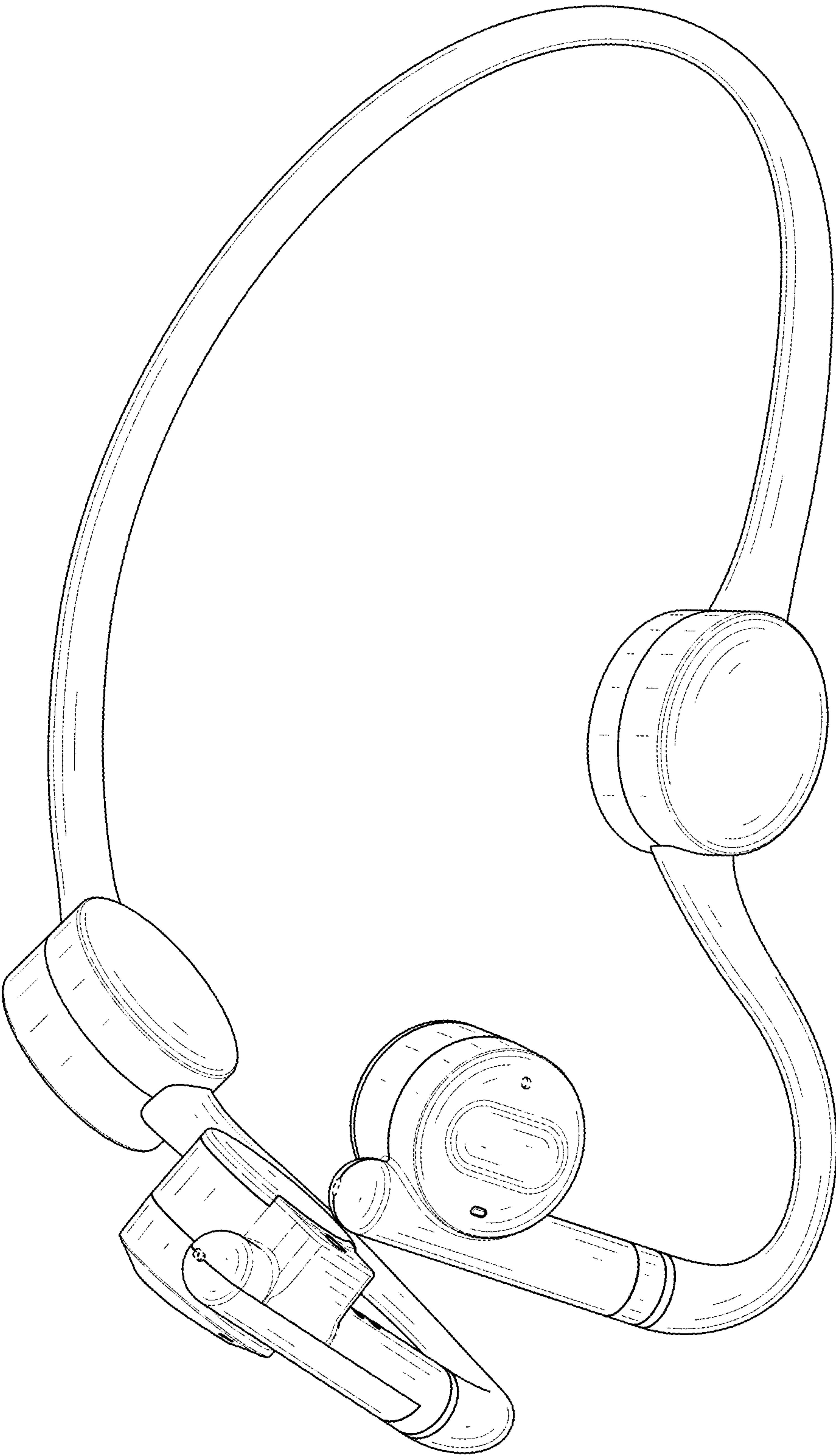


FIG. 2

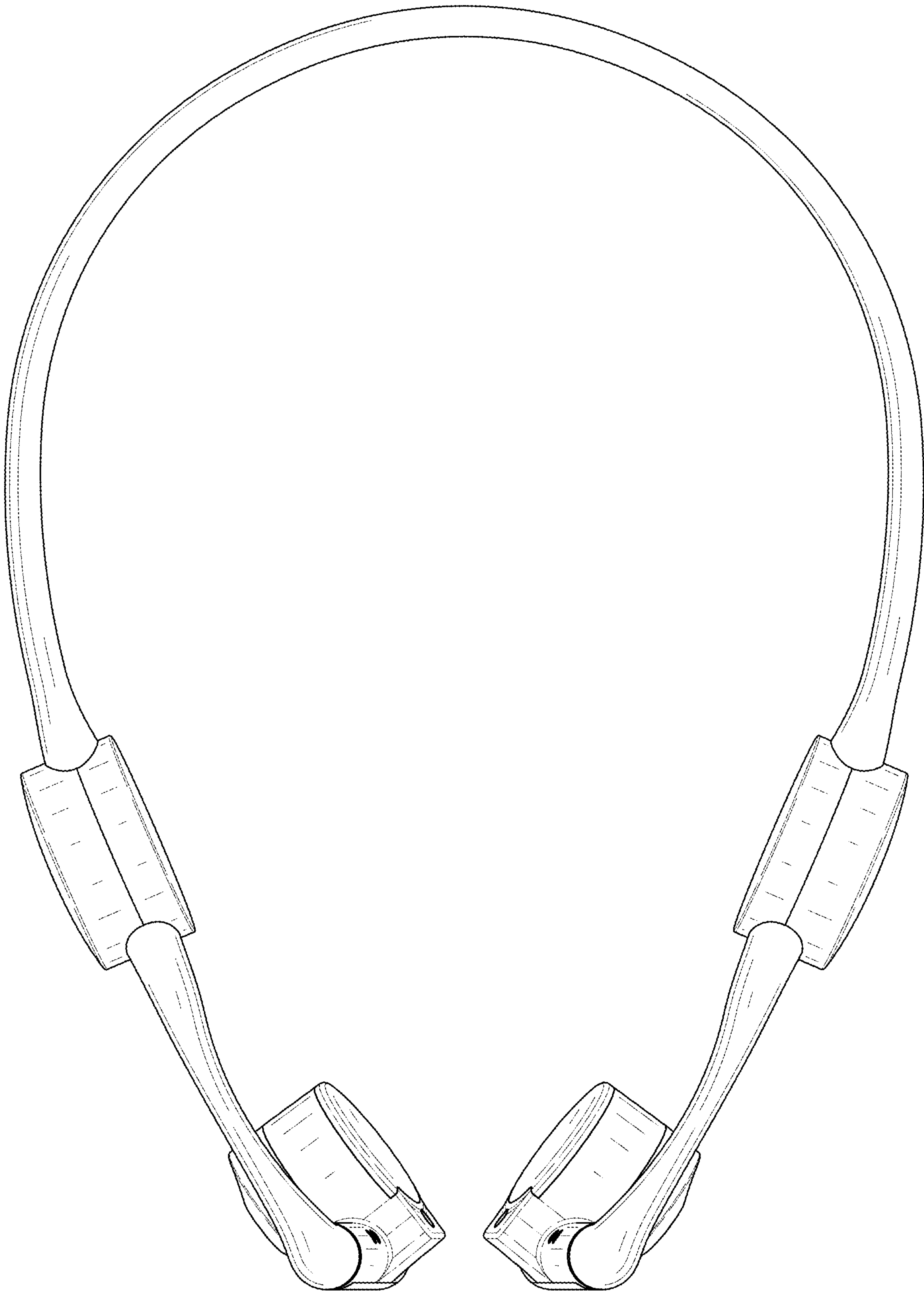


FIG. 3



FIG. 4

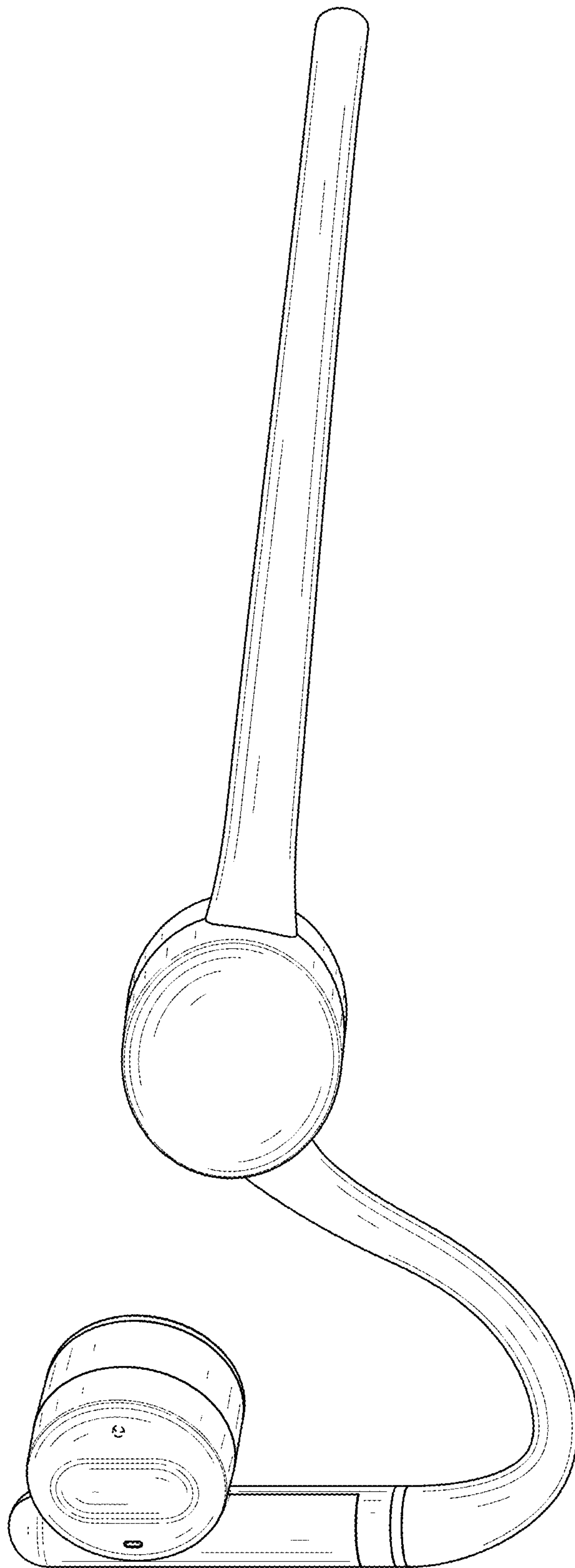


FIG. 5



FIG. 6

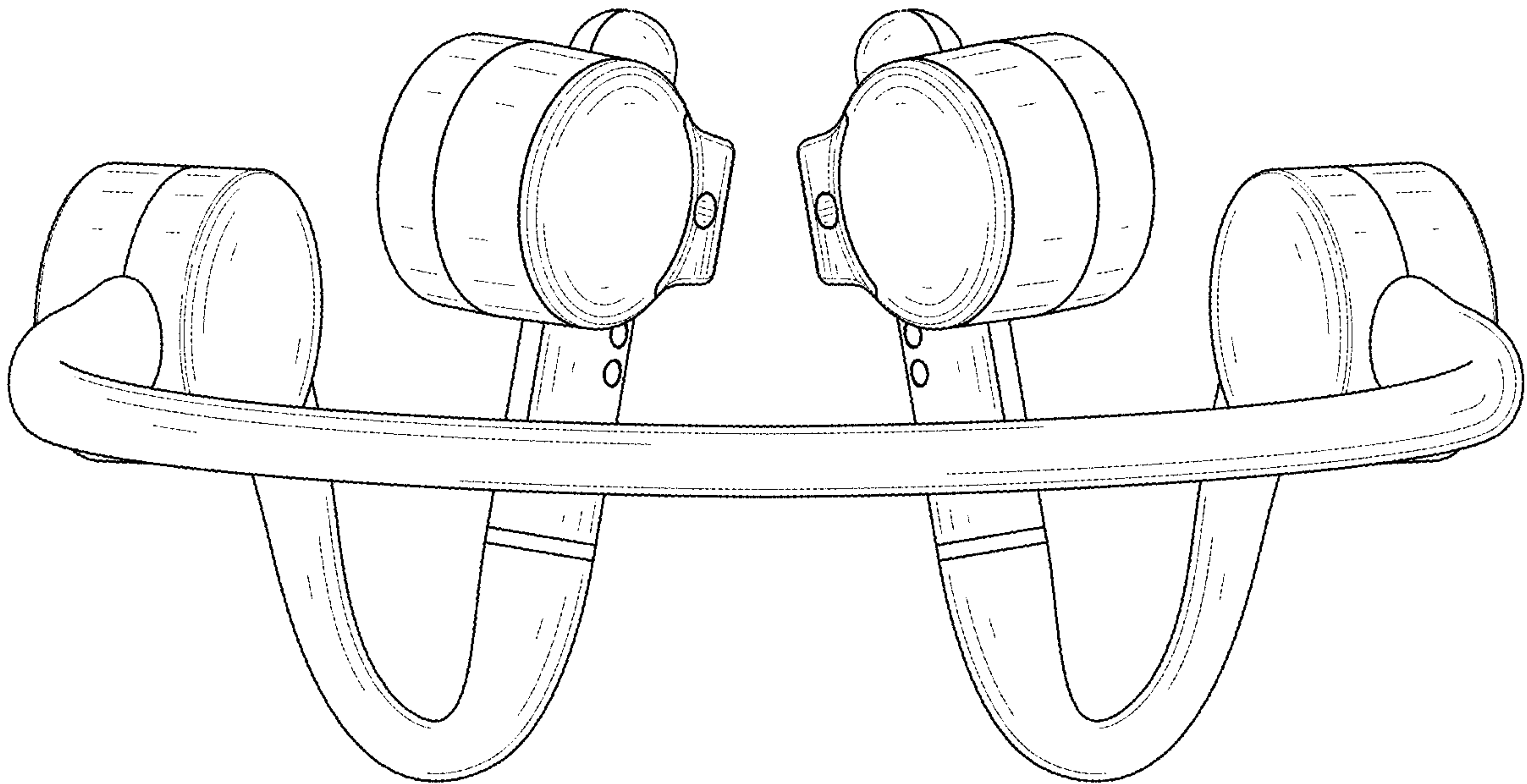


FIG. 7

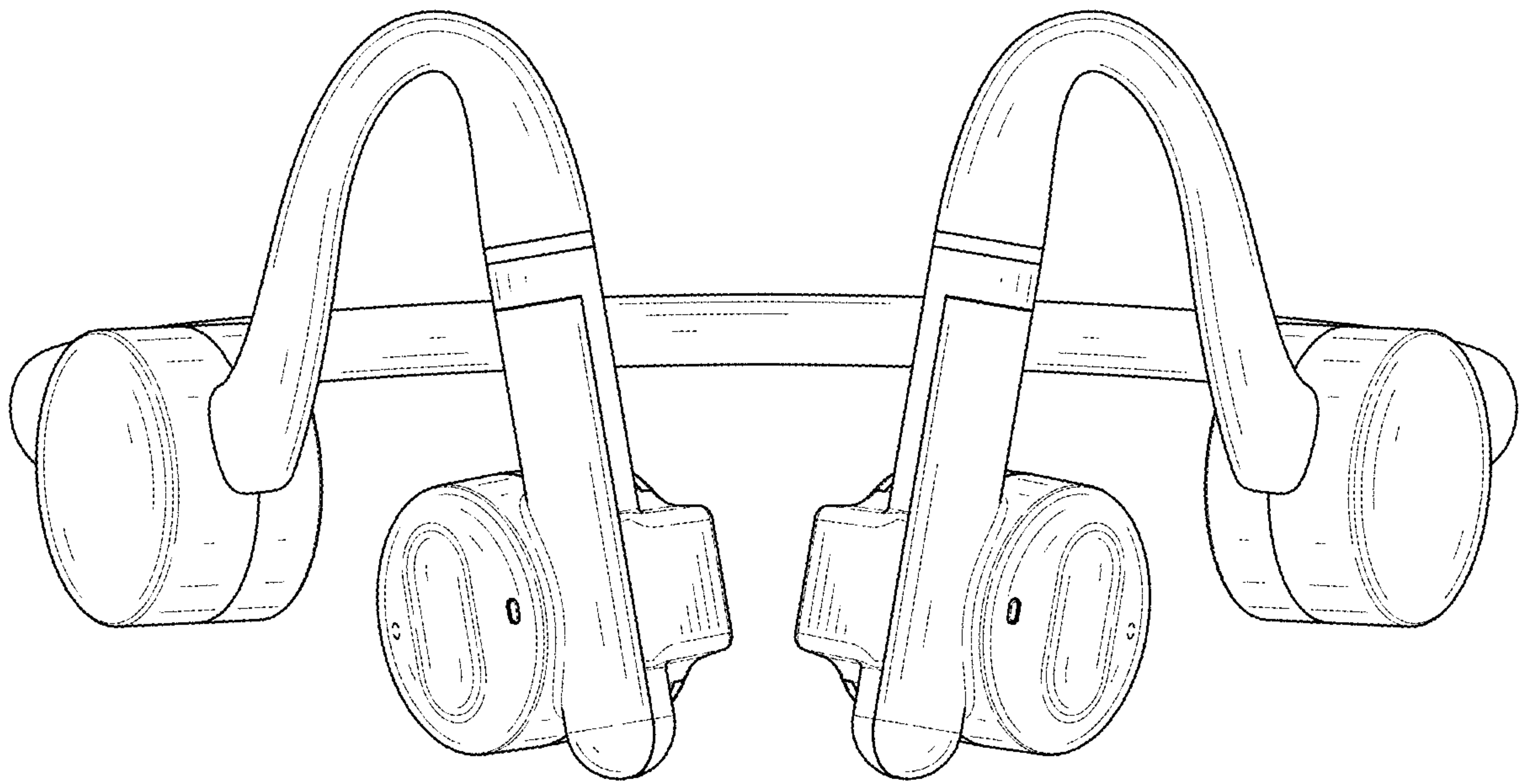


FIG. 8