



US00D906281S

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

(10) **Patent No.:** **US D906,281 S**
(45) **Date of Patent:** **** Dec. 29, 2020**

(54) **BONE CONDUCTION HEADPHONE**

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

(21) Appl. No.: **29/697,259**

(22) Filed: **Jul. 5, 2019**

(30) **Foreign Application Priority Data**

Jan. 5, 2019 (CN) 2019 3 0005440

(51) **LOC (12) Cl.** **14-01**

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

(58) **Field of Classification Search**
USPC D14/205, 188, 192, 372; 2/209;
381/380, 381, 151, 183; 455/90.3, 575.1,
455/569.1
CPC H04R 1/1066; H04R 1/1016; H04R 5/033;
H04R 5/0335; H04R 1/10; H04R 25/00;
H04R 1/46; H04R 1/105
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,042,735 A * 10/1912 Jan B42F 13/02
402/13
D315,561 S * 3/1991 Miller D14/192
D318,669 S * 7/1991 Nakayama D14/205

D337,587 S * 7/1993 Nakayama D14/205
D368,716 S * 4/1996 Shudo D14/205
D371,558 S * 7/1996 Yoshizawa D14/205
D421,014 S * 2/2000 Smith D14/205
D426,880 S * 6/2000 Leight D14/223
D460,752 S * 7/2002 Gerdom D14/222
D471,176 S * 3/2003 Suzuki D14/205
D502,463 S * 3/2005 Bhakta D14/205
D550,202 S * 9/2007 Meier D14/206
D557,685 S * 12/2007 Lee D14/205
D575,268 S * 8/2008 Christopher D14/205
D579,442 S * 10/2008 Kim D14/205
D604,269 S * 11/2009 Choe D14/205

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1663637 * 6/2020
JP D1663638 * 6/2020

(Continued)

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(57) **CLAIM**

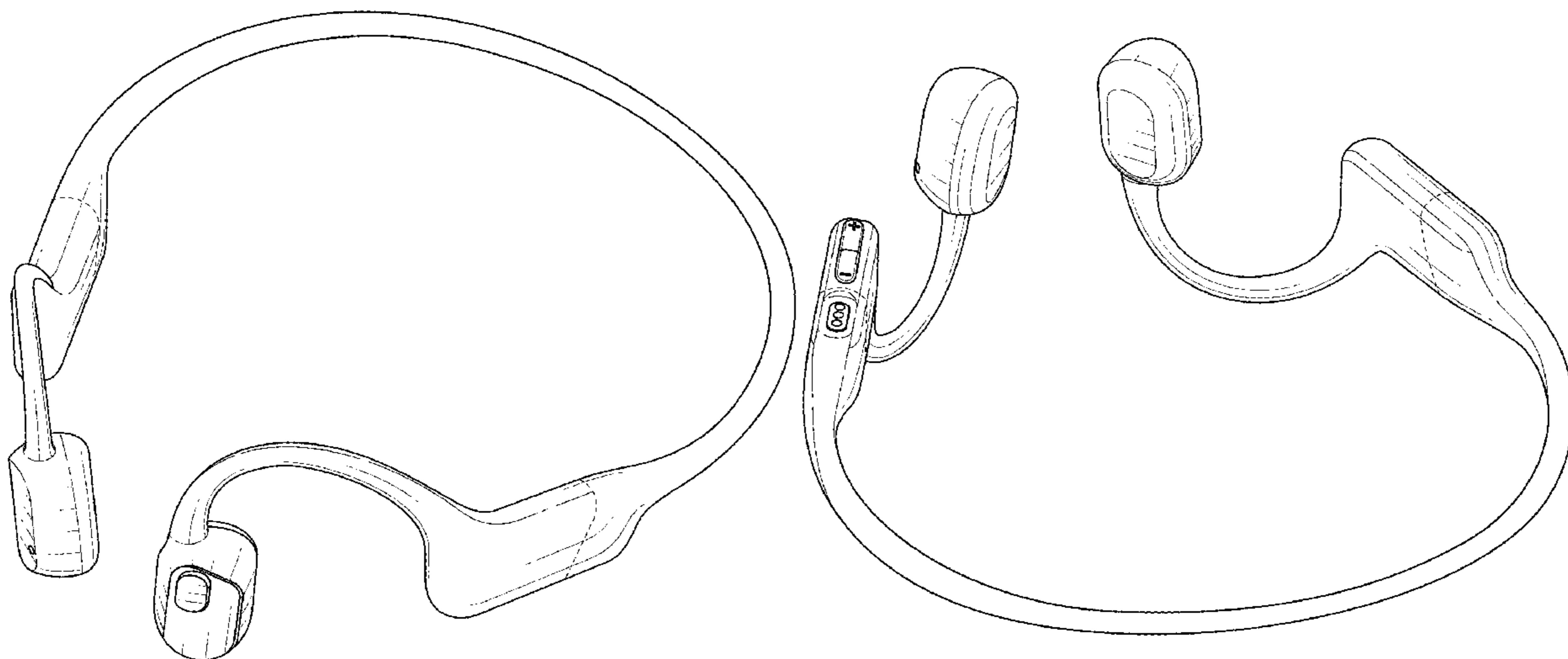
The ornamental design for a bone conduction headphone, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a bone conduction headphone, showing our new design;
FIG. 2 is bottom perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.

The shade lines in the Figures show contour and not surface ornamentation. The short dash broken lines in the Figures form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D617,308 S * 6/2010 Nousiainen D14/205
 D623,627 S * 9/2010 Alden 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
 D678,858 S * 3/2013 Feng D14/205
 8,411,893 B2 * 4/2013 Ito H04R 1/1066
 381/381
 8,433,082 B2 * 4/2013 Abolfathi H04R 17/005
 381/151
 D706,745 S * 6/2014 Nakagawa H04R 1/1066
 D14/205
 D707,199 S * 6/2014 Ceyress H04R 1/10
 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
 D740,785 S * 10/2015 Chen 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
 D791,100 S * 7/2017 Chen D14/205
 9,788,097 B2 * 10/2017 Bullen H04R 1/1033
 D810,719 S * 2/2018 Nagamine D14/205
 9,949,014 B2 4/2018 Cramer et al.
 D823,279 S 7/2018 Chen et al.
 D829,190 S 9/2018 Bullen et al.
 D851,060 S * 6/2019 Lu D14/205
 D851,623 S * 6/2019 Zhang D14/205
 D875,710 S 2/2020 Bailey et al.
 D895,571 S 9/2020 Li et al.
 2015/0319526 A1 11/2015 Kunimoto et al.
 2017/0223445 A1 * 8/2017 Bullen G06F 3/165
 2019/0075389 A1 3/2019 Jan

FOREIGN PATENT DOCUMENTS

JP D1663715 * 6/2020
 JP D1663716 * 6/2020

* cited by examiner

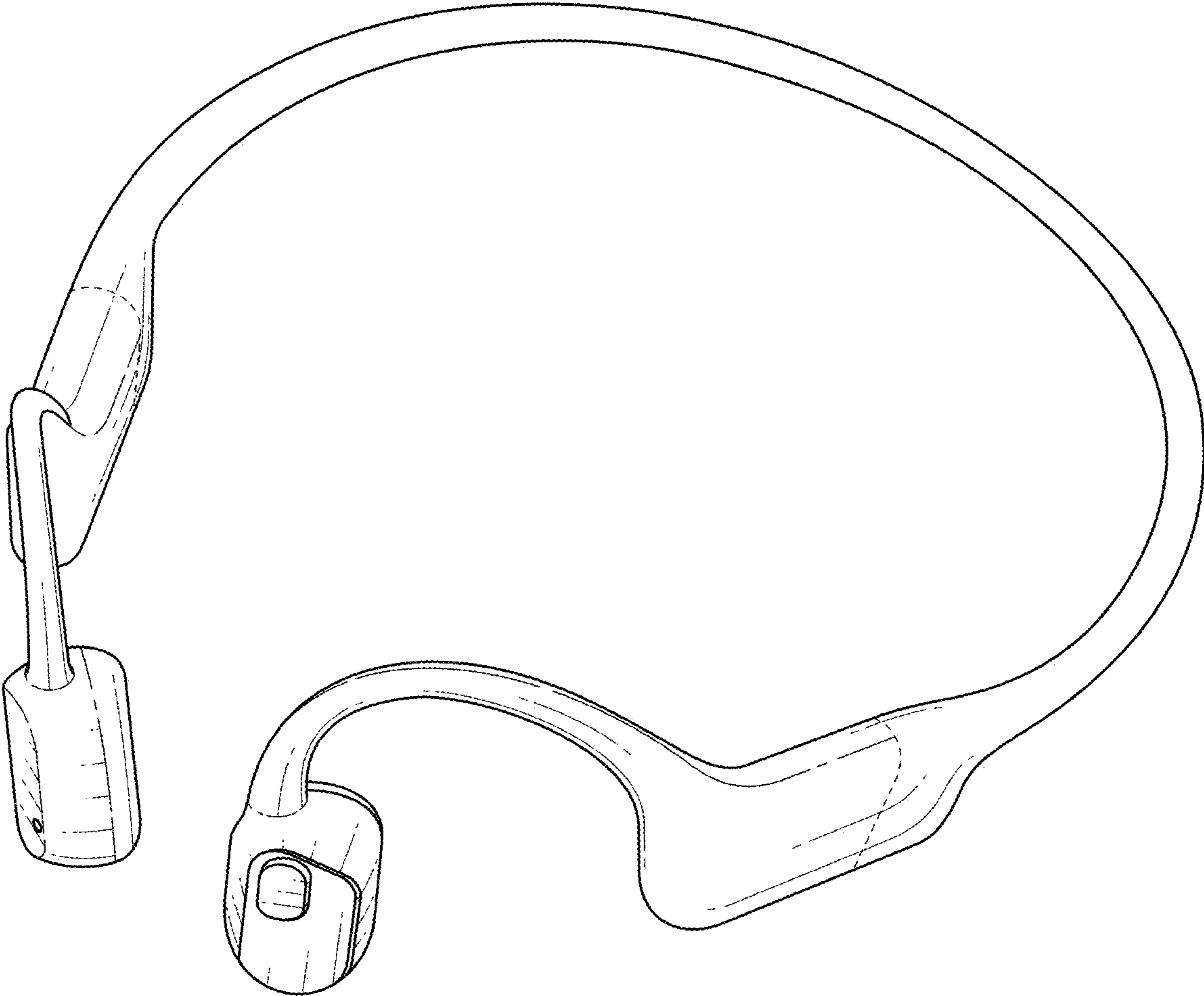


FIG. 1

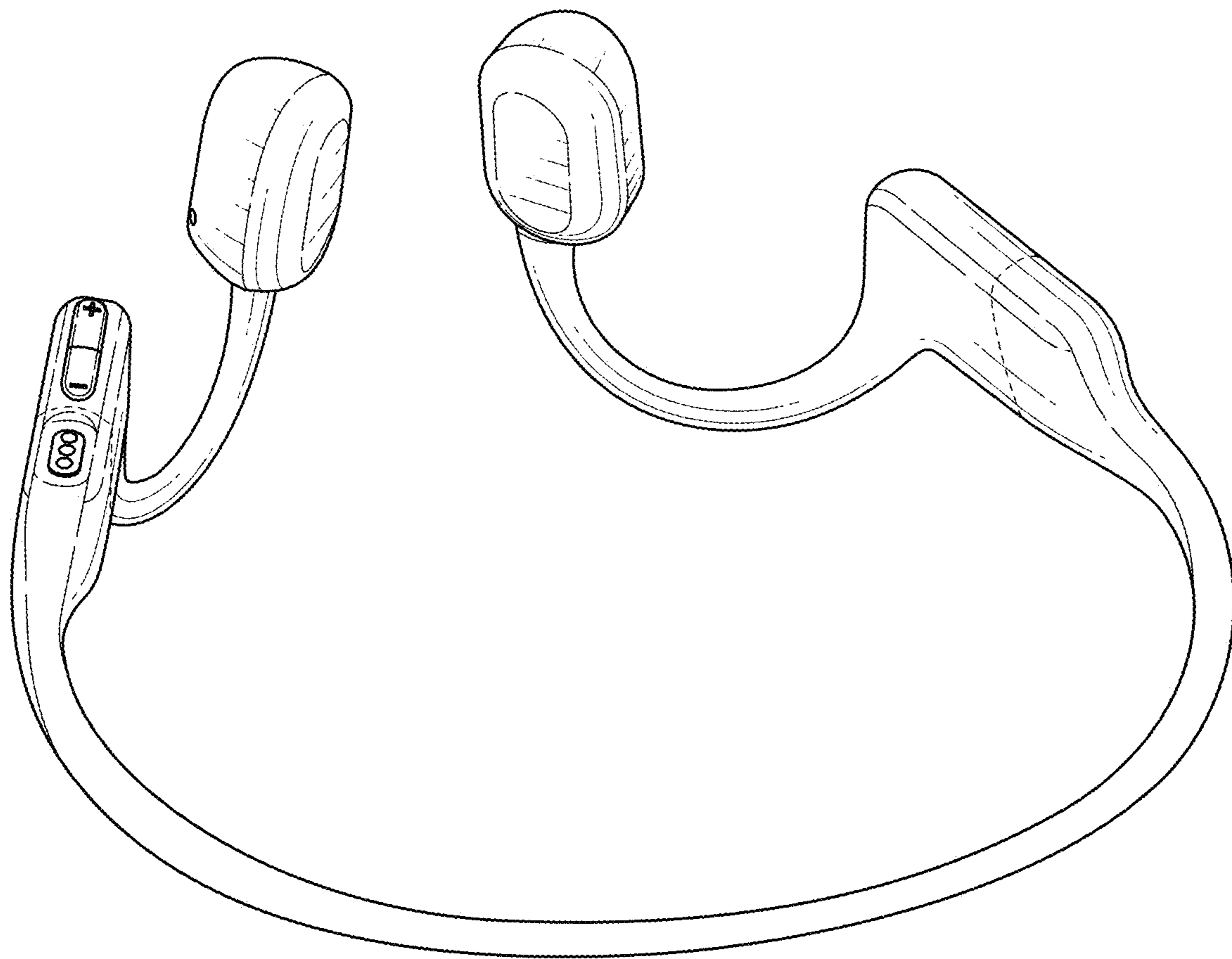


FIG. 2

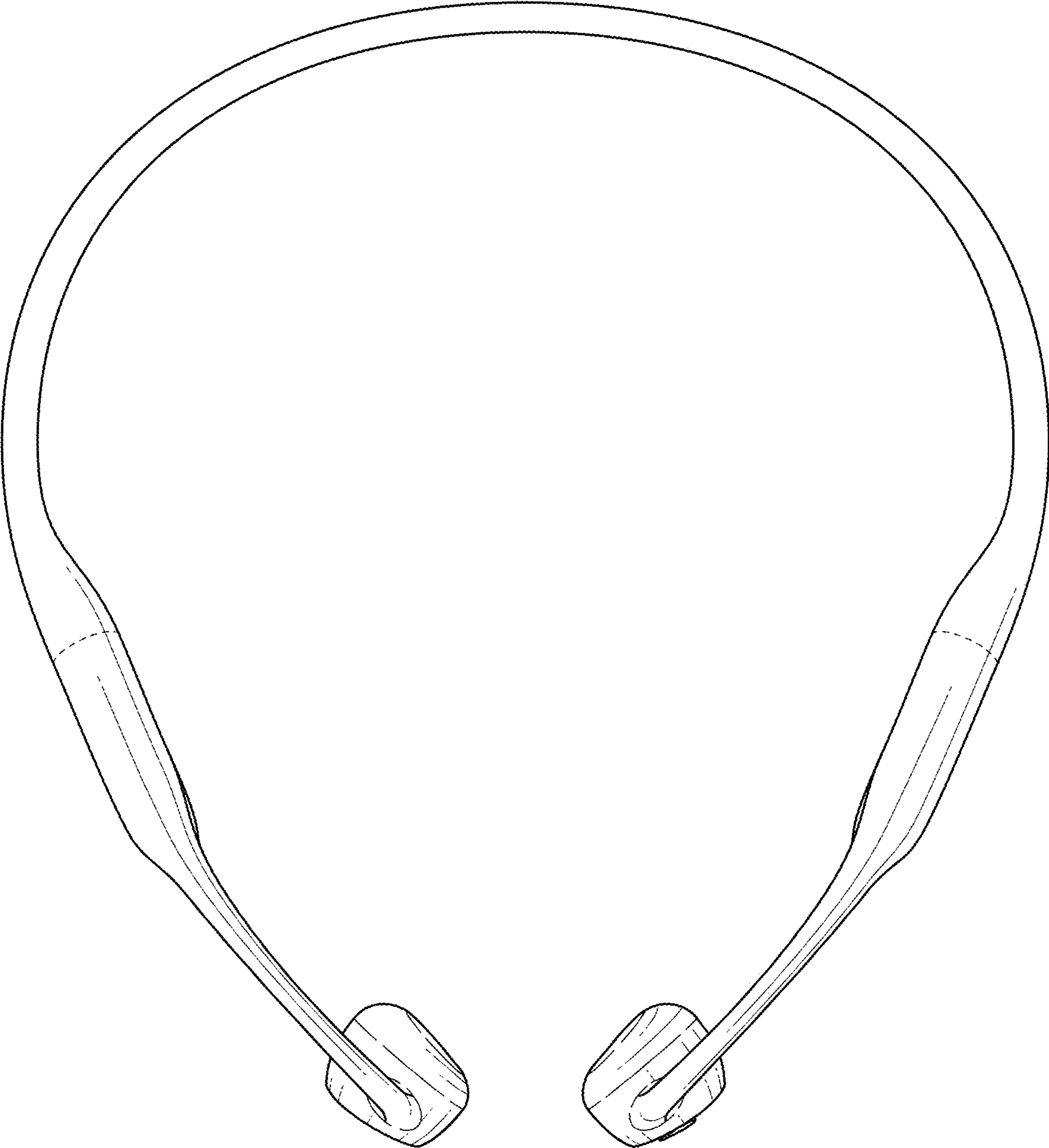


FIG. 3



FIG. 4

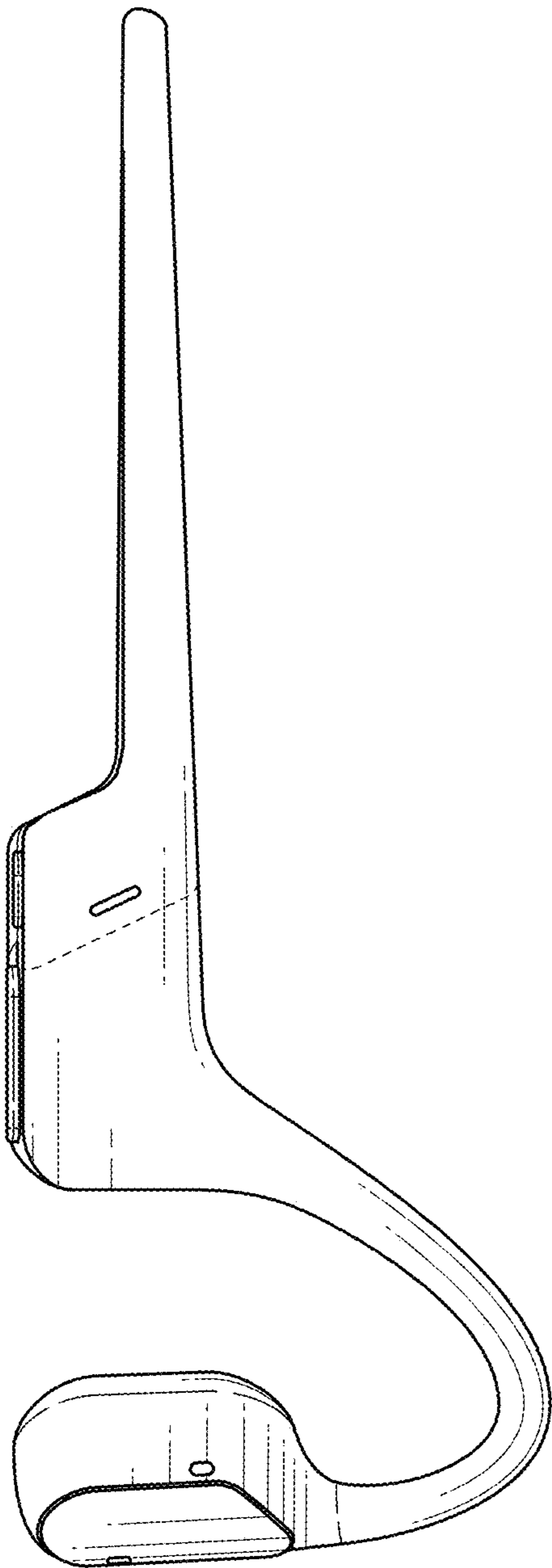


FIG. 5

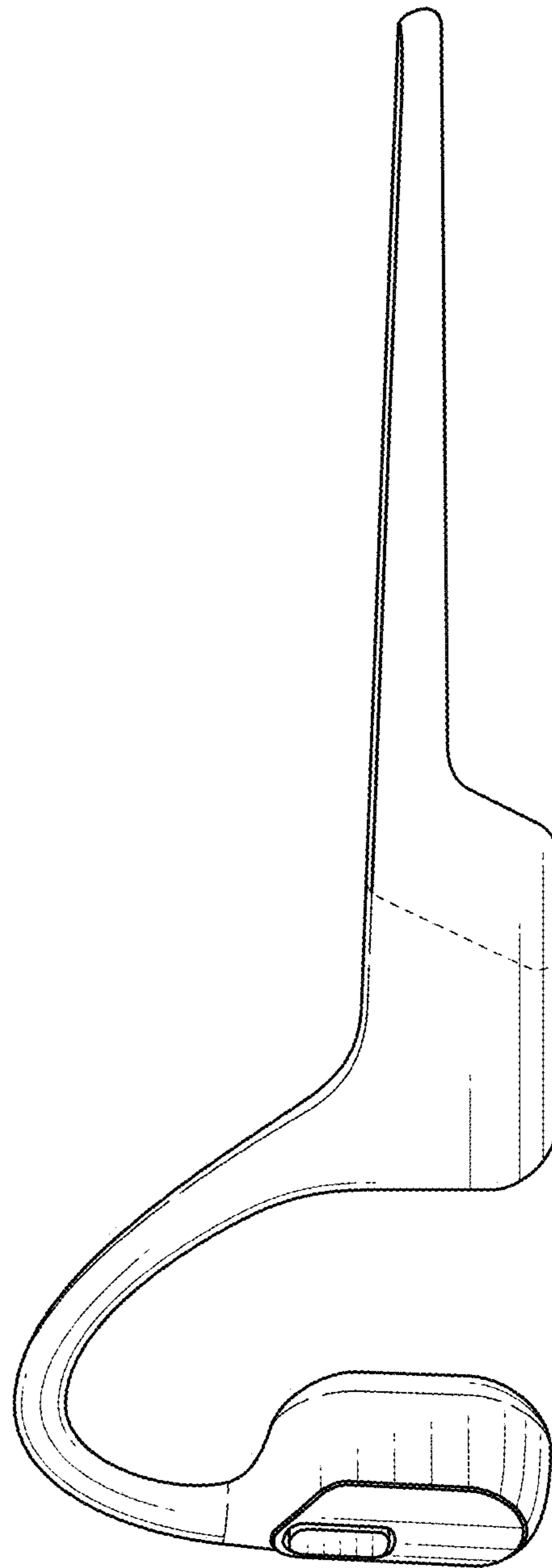


FIG. 6

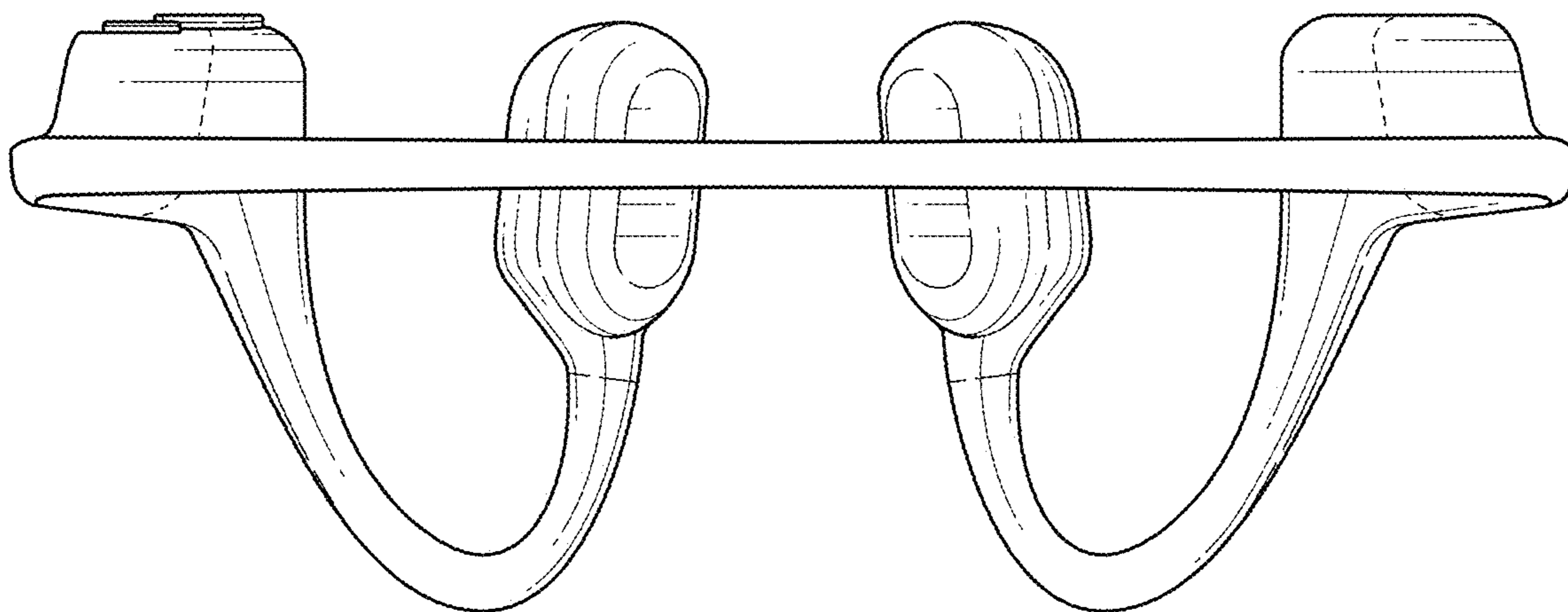


FIG. 7

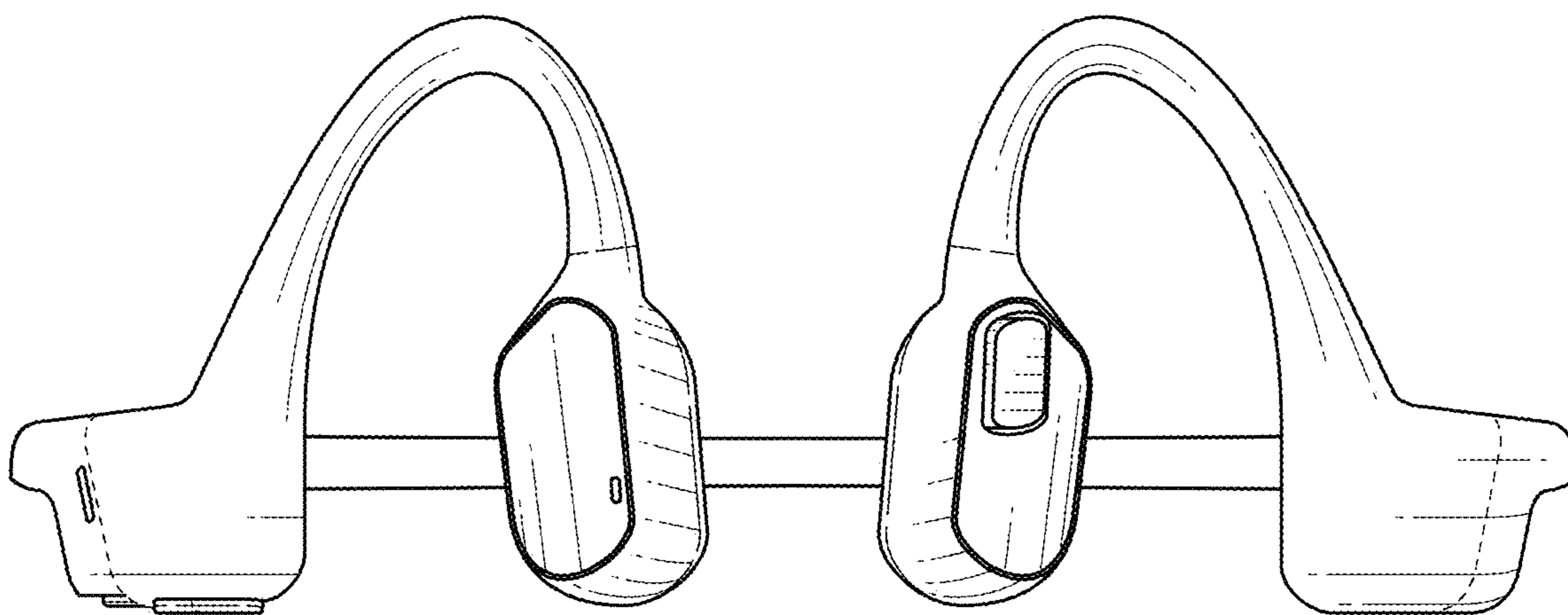


FIG. 8