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

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(54) **EARPHONES**

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D400,248 S *	10/1998	Leight	D24/106
5,829,062 A *	11/1998	Magidson	A61F 11/12
				2/209
D402,659 S *	12/1998	Suzuki	D14/215
D404,035 S *	1/1999	Delazzer	.....	D14/205
6,010,216 A *	1/2000	Jesiek	.....	H04B 1/385
				351/158
D426,880 S *	6/2000	Leight	.....	D14/223
D439,574 S *	3/2001	Katayama	D14/192
6,233,345 B1 *	5/2001	Urwyler	H04R 1/1033
				351/123

(Continued)

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
USPC **D14/206**

(58) **Field of Classification Search**
USPC D14/206, 205, 223; 181/129, 130, 135;
379/430, 431; 381/380, 381, 374;
455/90.3, 575.1, 569.1
CPC H04R 25/00; H04R 1/1066; H04R 1/1016;
H04R 5/033; H04R 5/0335; H04R
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,566,313 A *	9/1951	Cates	.....	H04R 25/55
				181/22
D305,072 S *	12/1989	Ferguson	.....	D28/9
D316,551 S *	4/1991	Ichikawa	.....	D14/205
D375,312 S *	11/1996	Kanno	.....	D14/205
D399,206 S *	10/1998	Yasutomi	.....	D14/205

FOREIGN PATENT DOCUMENTS

CN	305574928	*	1/2020
EM	006599627-0002	*	6/2019

Primary Examiner — Paula Allen Greene

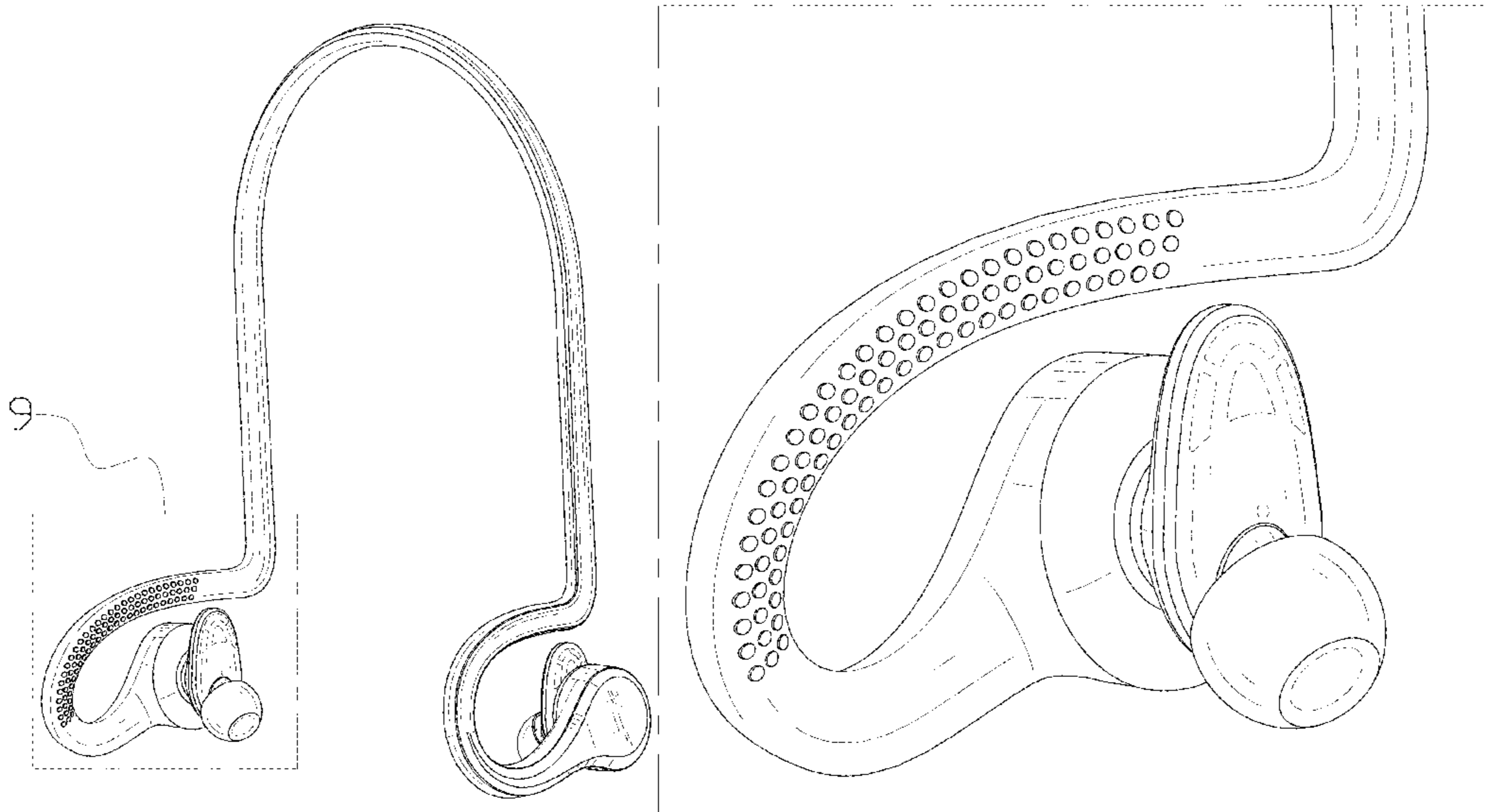
(57) **CLAIM**

The ornamental design for earphones, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of earphones showing my new design;
 FIG. 2 is another perspective view thereof;
 FIG. 3 is a front elevational view thereof;
 FIG. 4 is a rear elevational view thereof;
 FIG. 5 is a left side elevational view thereof;
 FIG. 6 is a right side elevational view thereof;
 FIG. 7 is a top plan view thereof;
 FIG. 8 is a bottom plan view thereof;
 FIG. 9 is an enlarged view of portion 9 shown in FIG. 1;
 FIG. 10 is an enlarged view of portion 10 shown in FIG. 2;
 and,
 FIG. 11 is an enlarged view of portion 11 shown in FIG. 4.
 In the drawing the claimed design is defined by the shaded surfaces, the broken lines depict environment that forms no part of the claimed design.

1 Claim, 11 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D444,140 S * 6/2001 Ishibashi D14/192
 D453,015 S * 1/2002 Yuyama D14/192
 D458,245 S * 6/2002 Masuda D14/192
 D477,820 S * 7/2003 Suzuki D14/205
 6,603,863 B1 * 8/2003 Nagayoshi H04R 1/1066
 381/370
 6,799,018 B1 * 9/2004 Lam H04B 10/11
 381/301
 D504,414 S * 4/2005 Yoshida D14/192
 6,920,228 B2 * 7/2005 Redmer H04R 1/1058
 381/370
 D508,908 S * 8/2005 Chueh D14/205
 D540,302 S * 4/2007 Hagiwara D14/205
 D540,303 S * 4/2007 Rausch D14/205
 D557,684 S * 12/2007 Pundsack D14/205
 D559,831 S * 1/2008 Lee D14/205
 D575,268 S * 8/2008 Christopher D14/205
 D579,442 S 10/2008 Kim et al.
 D583,800 S * 12/2008 Jaakkola D14/205
 D587,678 S * 3/2009 Yuyama D14/205
 D592,640 S 5/2009 Tkachuk
 D592,649 S * 5/2009 L'Henaff D14/240
 D599,777 S * 9/2009 Yuyama D14/205
 7,639,824 B2 * 12/2009 Franzen H04R 1/1016
 381/151
 D617,308 S * 6/2010 Nousiainen D14/205
 D619,561 S * 7/2010 Yang D14/205
 D630,186 S * 1/2011 Yang D14/205
 8,174,569 B2 * 5/2012 Tanijiri G02B 27/0176
 348/115
 D669,881 S * 10/2012 Clements D14/205
 D678,856 S * 3/2013 Feng D14/205
 D678,858 S * 3/2013 Feng D14/205
 D695,264 S * 12/2013 Chee D14/205
 D704,676 S * 5/2014 Krisztal H04S 1/005
 D14/205

D707,199 S * 6/2014 Cepress H04R 1/10
 D14/205
 D710,325 S * 8/2014 Behar H04R 5/033
 D14/205
 9,271,065 B2 * 2/2016 Lamb H04R 1/105
 9,319,769 B2 * 4/2016 Burgett H04R 1/105
 D766,849 S * 9/2016 Fukushima D13/182
 D768,600 S * 10/2016 Chen D14/205
 D771,588 S * 11/2016 Choe D14/205
 D772,195 S * 11/2016 Lee D14/205
 D772,196 S * 11/2016 Choi D14/205
 D772,843 S * 11/2016 Lee D14/205
 D772,845 S * 11/2016 Lim D14/205
 D795,836 S * 8/2017 Liden D14/205
 D797,701 S * 9/2017 Miller D14/205
 D823,828 S * 7/2018 Park D14/205
 D824,364 S * 7/2018 Kim D14/206
 D824,877 S * 8/2018 Kim D14/205
 D825,525 S * 8/2018 Hu D14/206
 D826,897 S * 8/2018 Wang D14/205
 D826,898 S * 8/2018 Kim D14/205
 D826,899 S * 8/2018 Ahn D14/205
 D832,819 S * 11/2018 Park D14/205
 D833,998 S * 11/2018 Park D14/205
 D842,269 S * 3/2019 Shin D14/205
 D843,346 S * 3/2019 Kim D14/205
 D843,347 S * 3/2019 Bryant D14/206
 D856,972 S * 8/2019 Shin D14/206
 2001/0010727 A1 * 8/2001 Urwyler H04R 1/1033
 381/384
 2002/0186858 A1 * 12/2002 Masuda H04R 1/1075
 381/380
 2011/0170702 A1 * 7/2011 Bays H04R 5/0335
 381/74
 2014/0185837 A1 * 7/2014 Kunimoto H04R 1/1075
 381/151
 2017/0094384 A1 * 3/2017 Trainer H04R 1/105

* cited by examiner

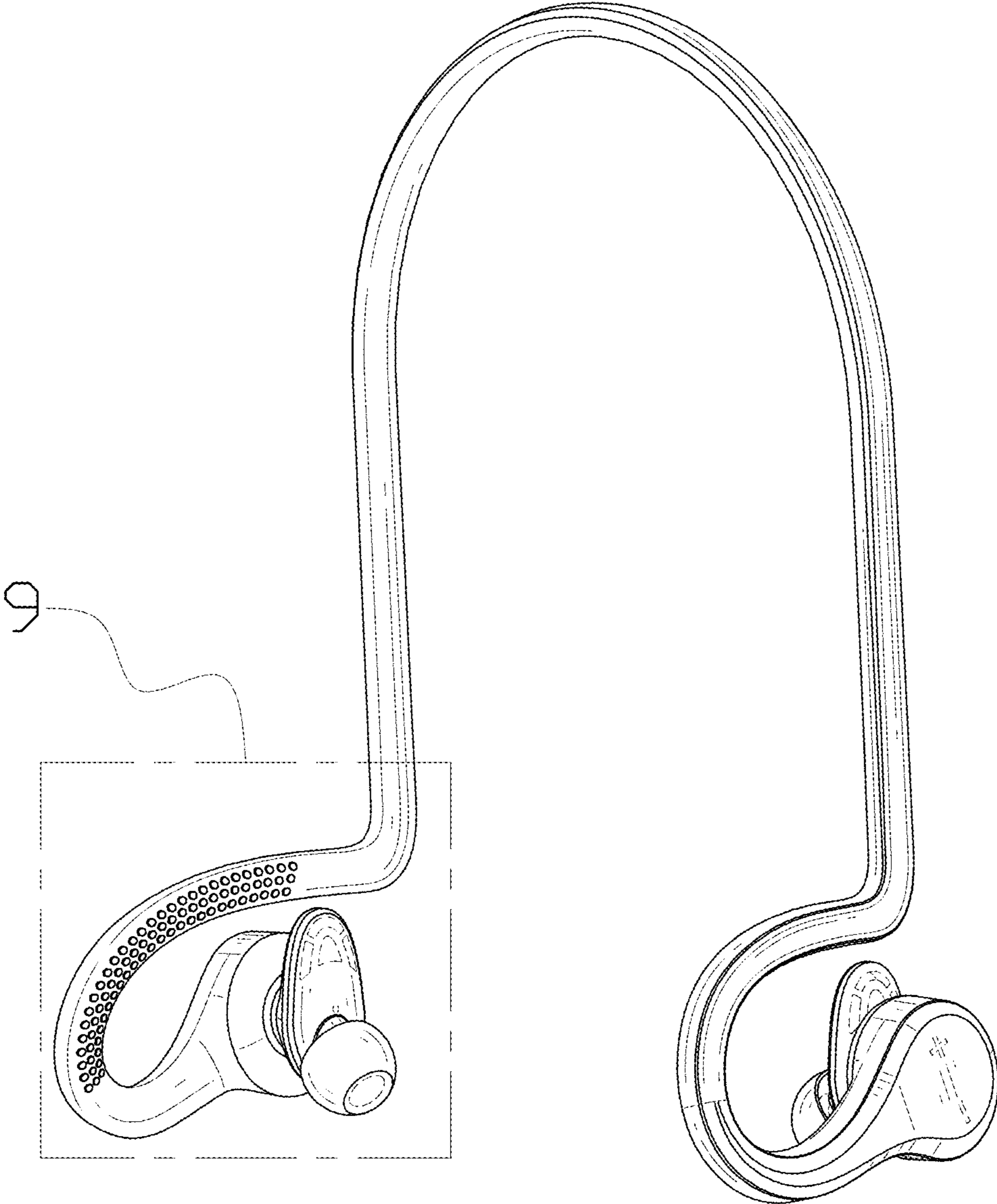


FIG. 1

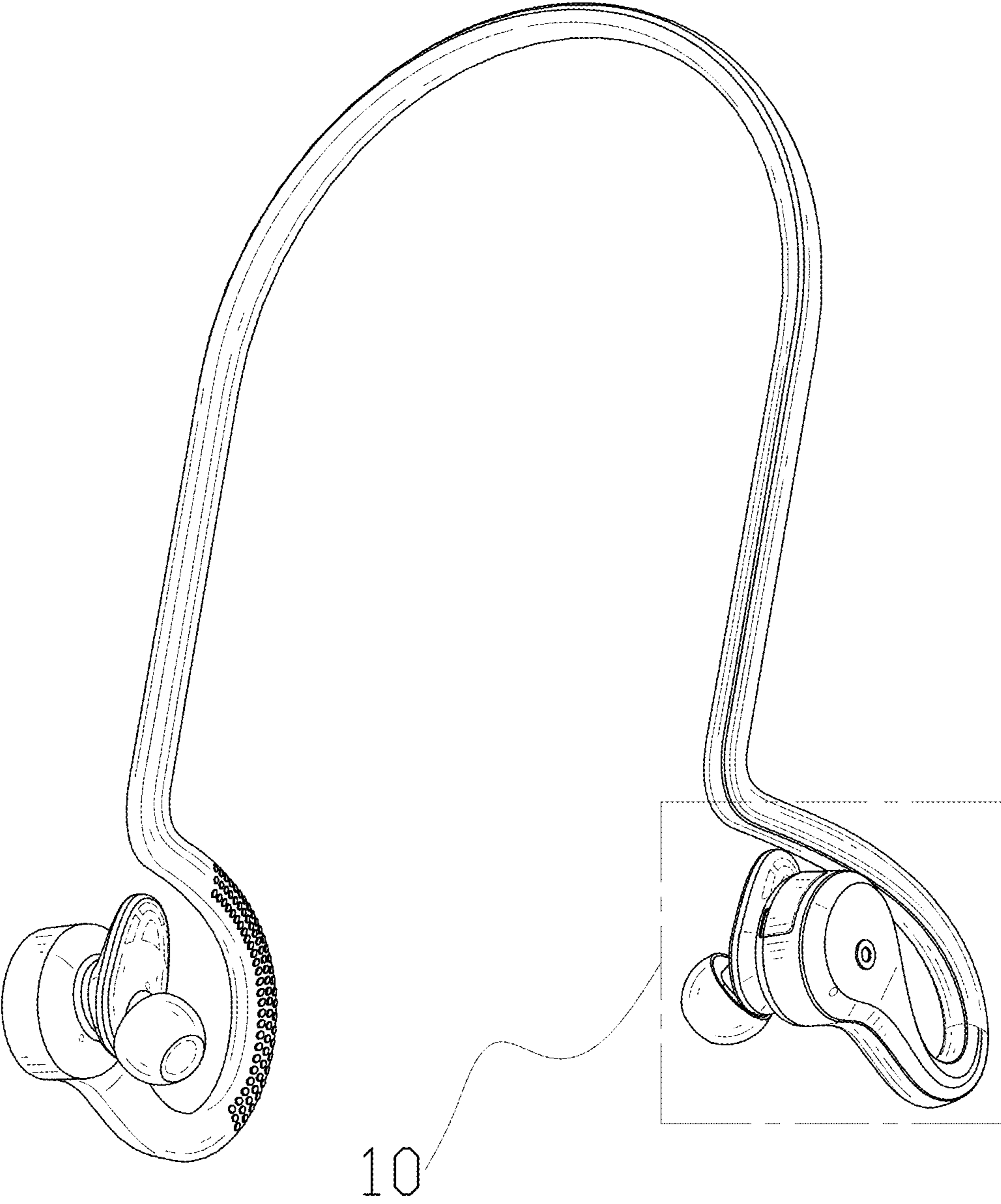


FIG. 2

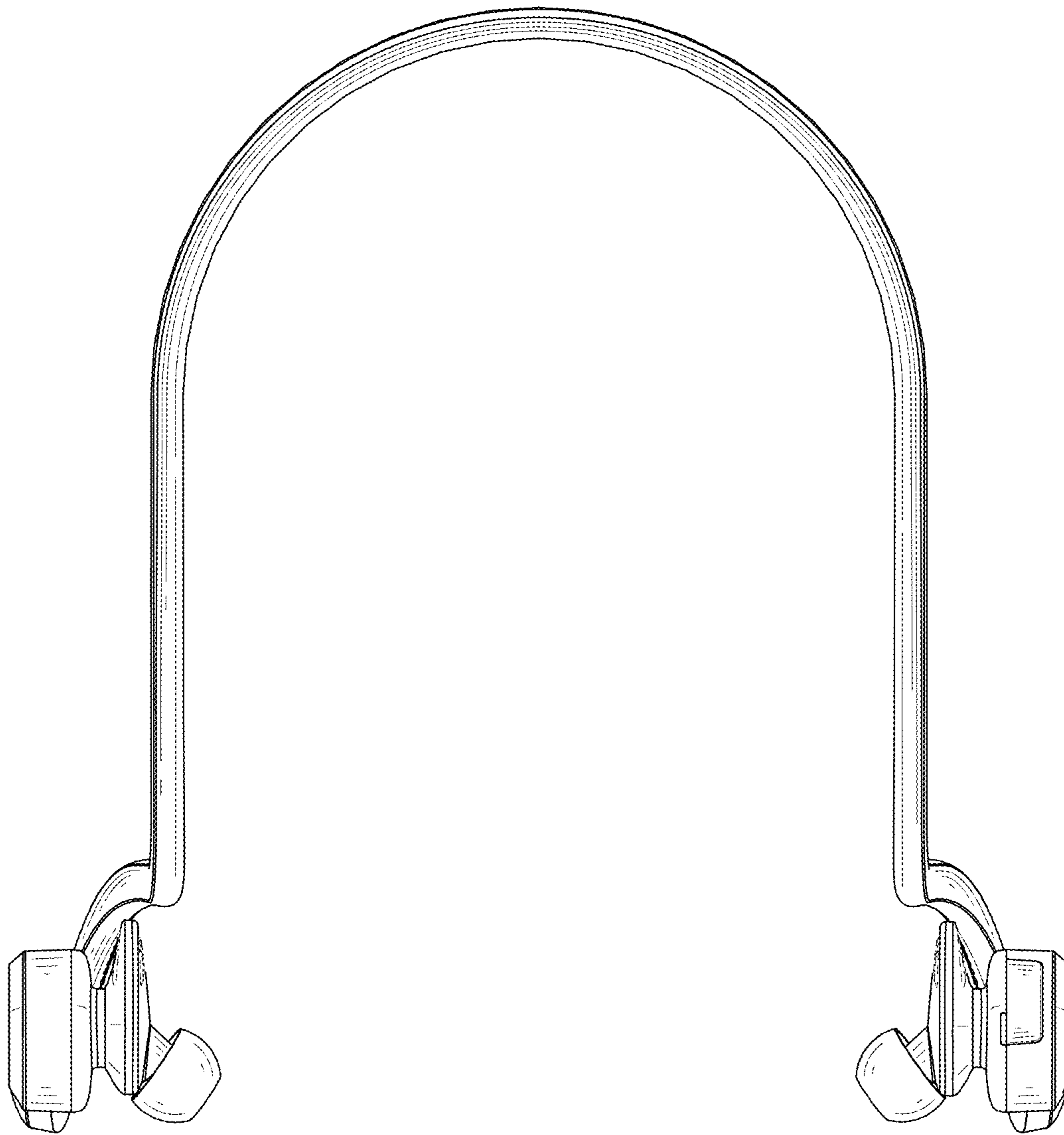


FIG. 3

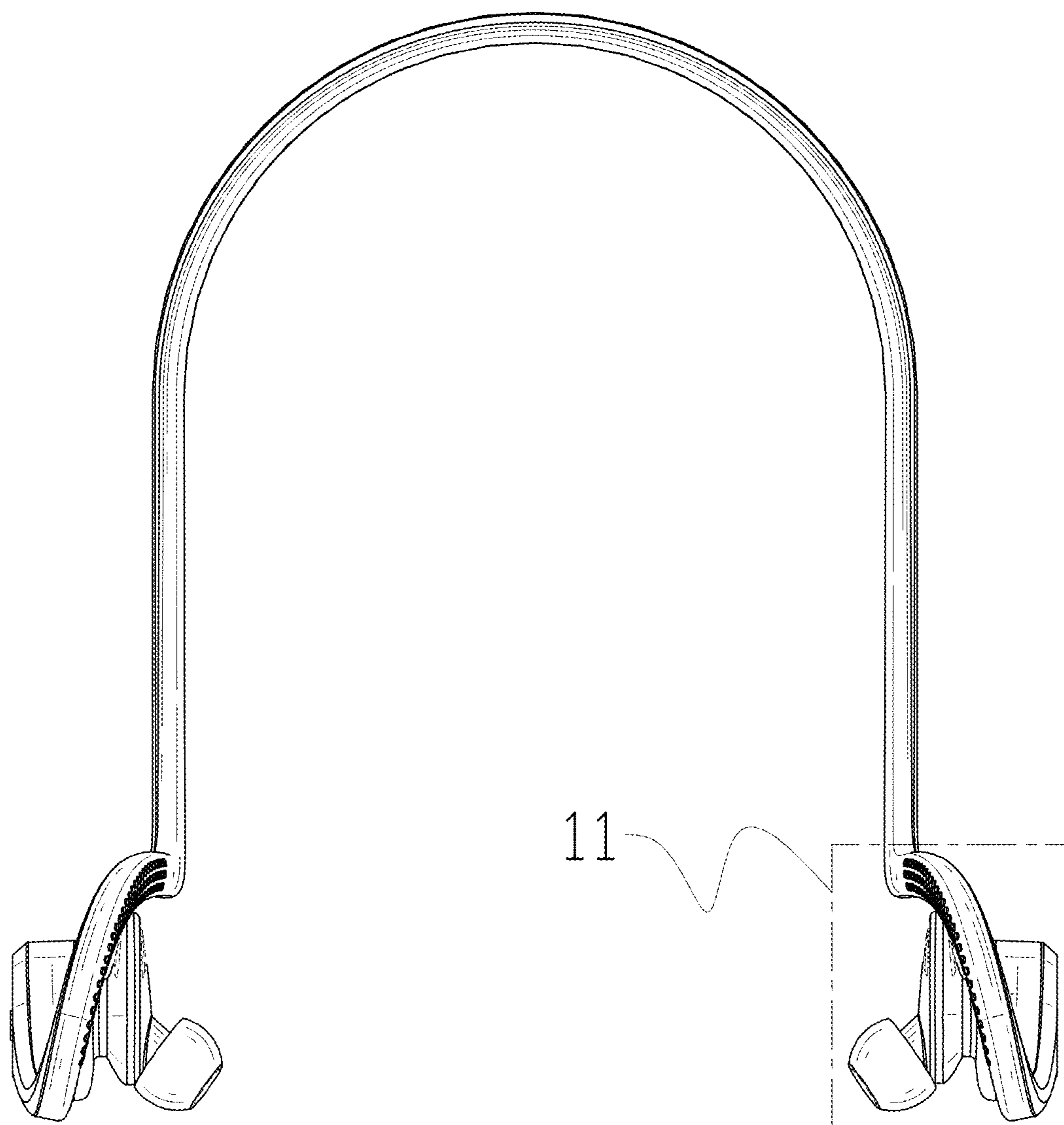


FIG. 4

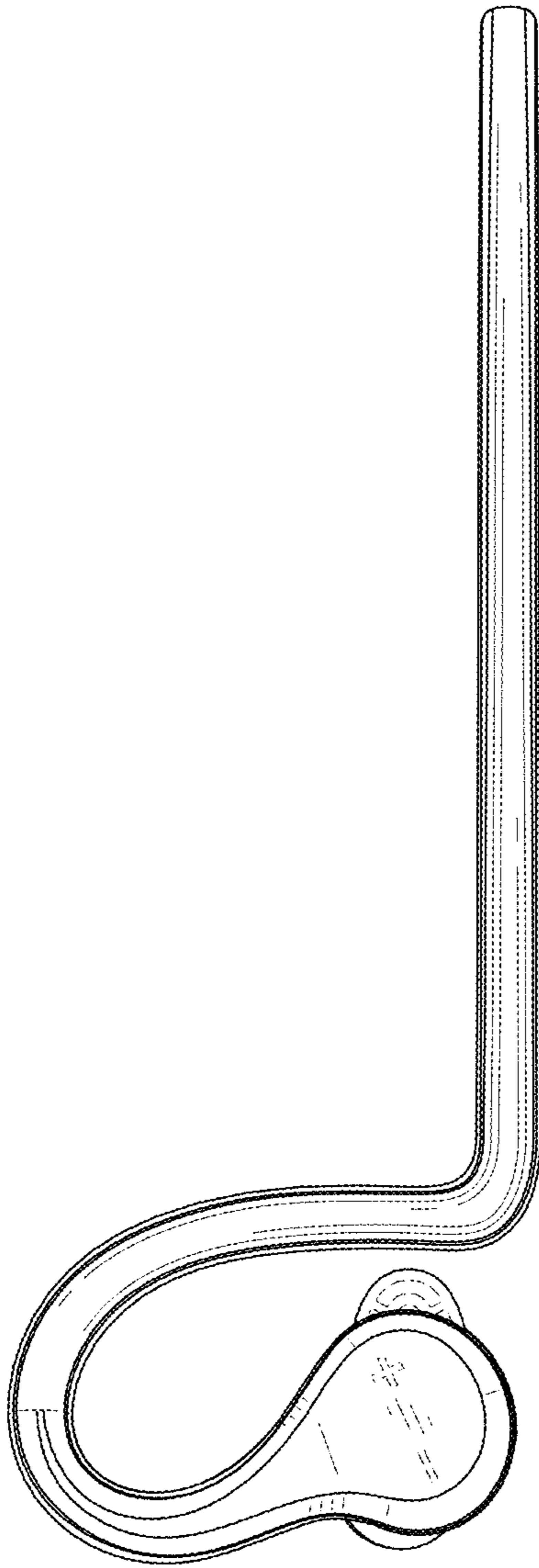


FIG. 5

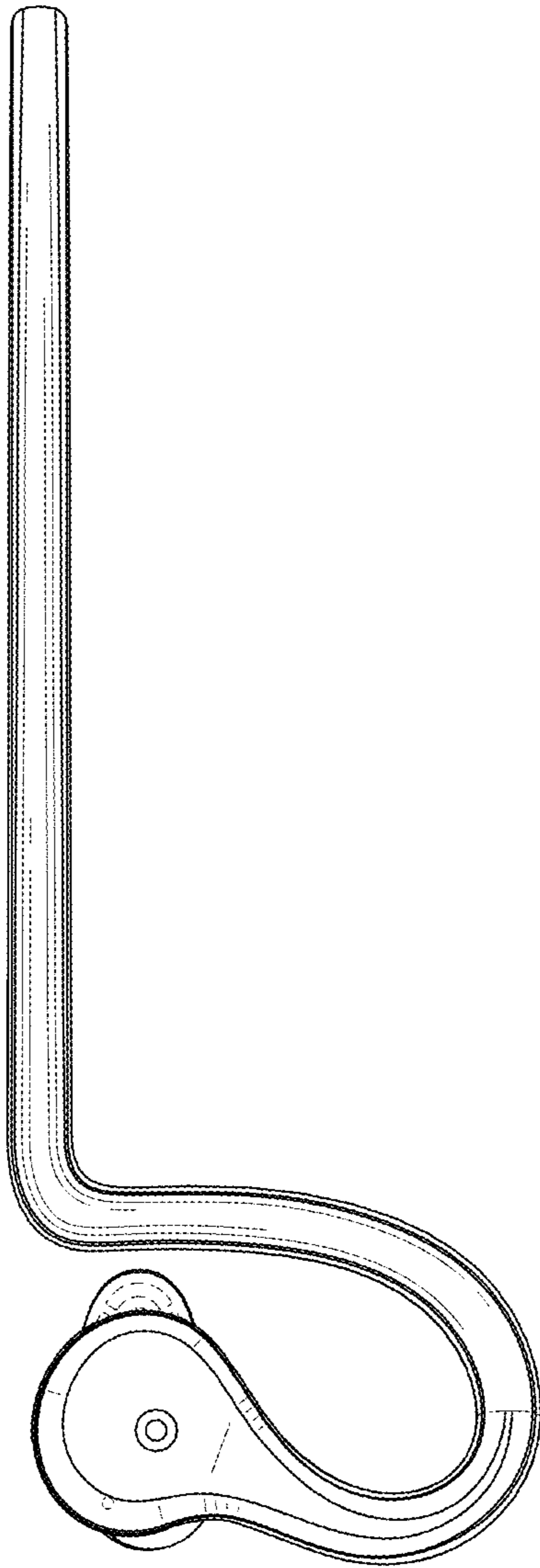


FIG. 6

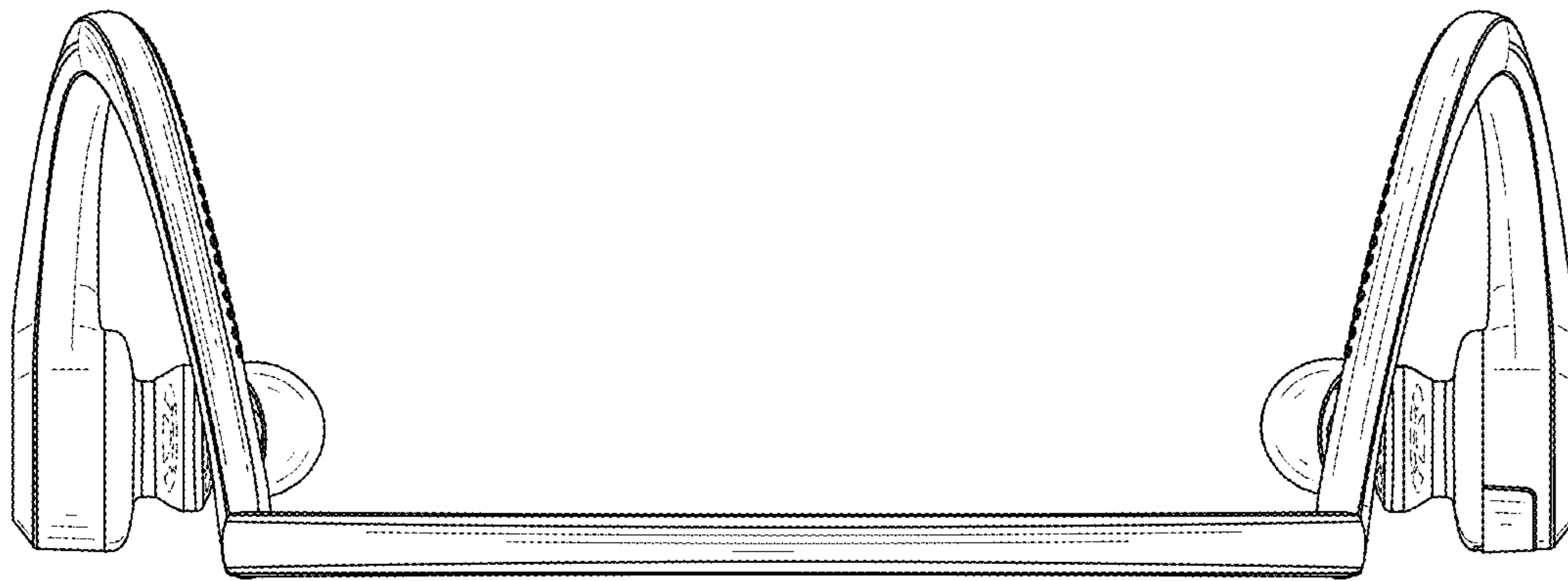


FIG. 7

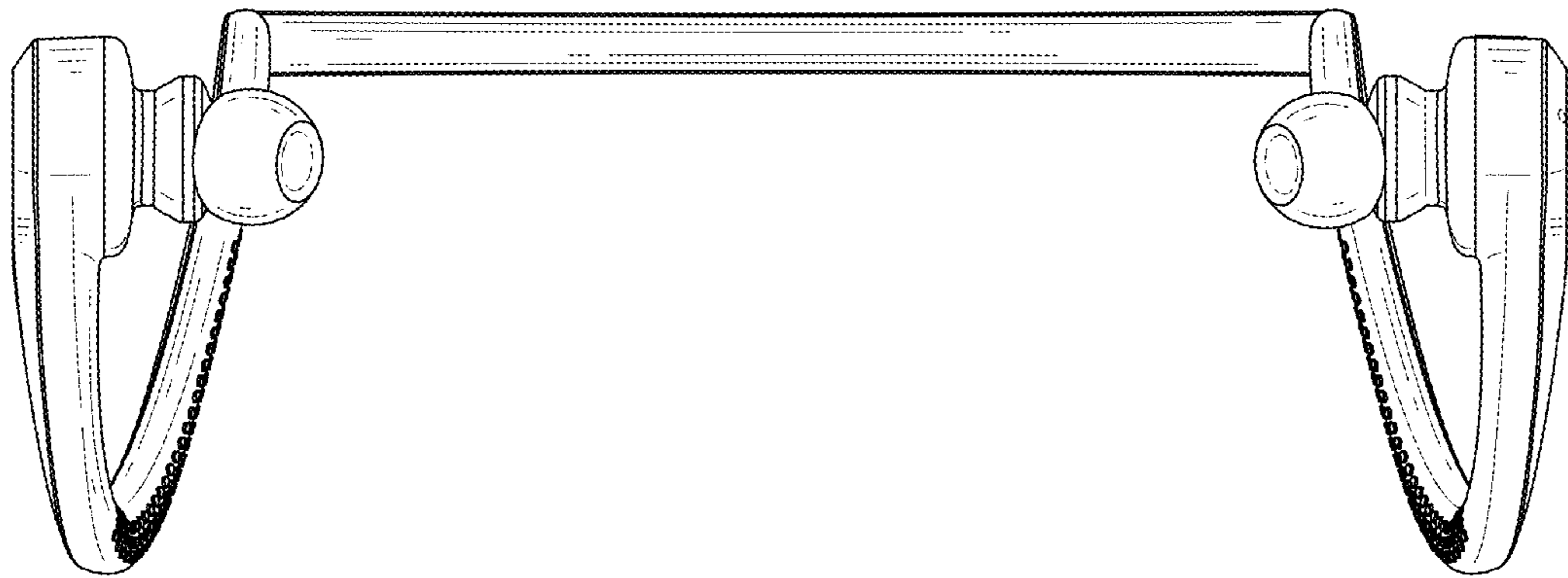


FIG. 8

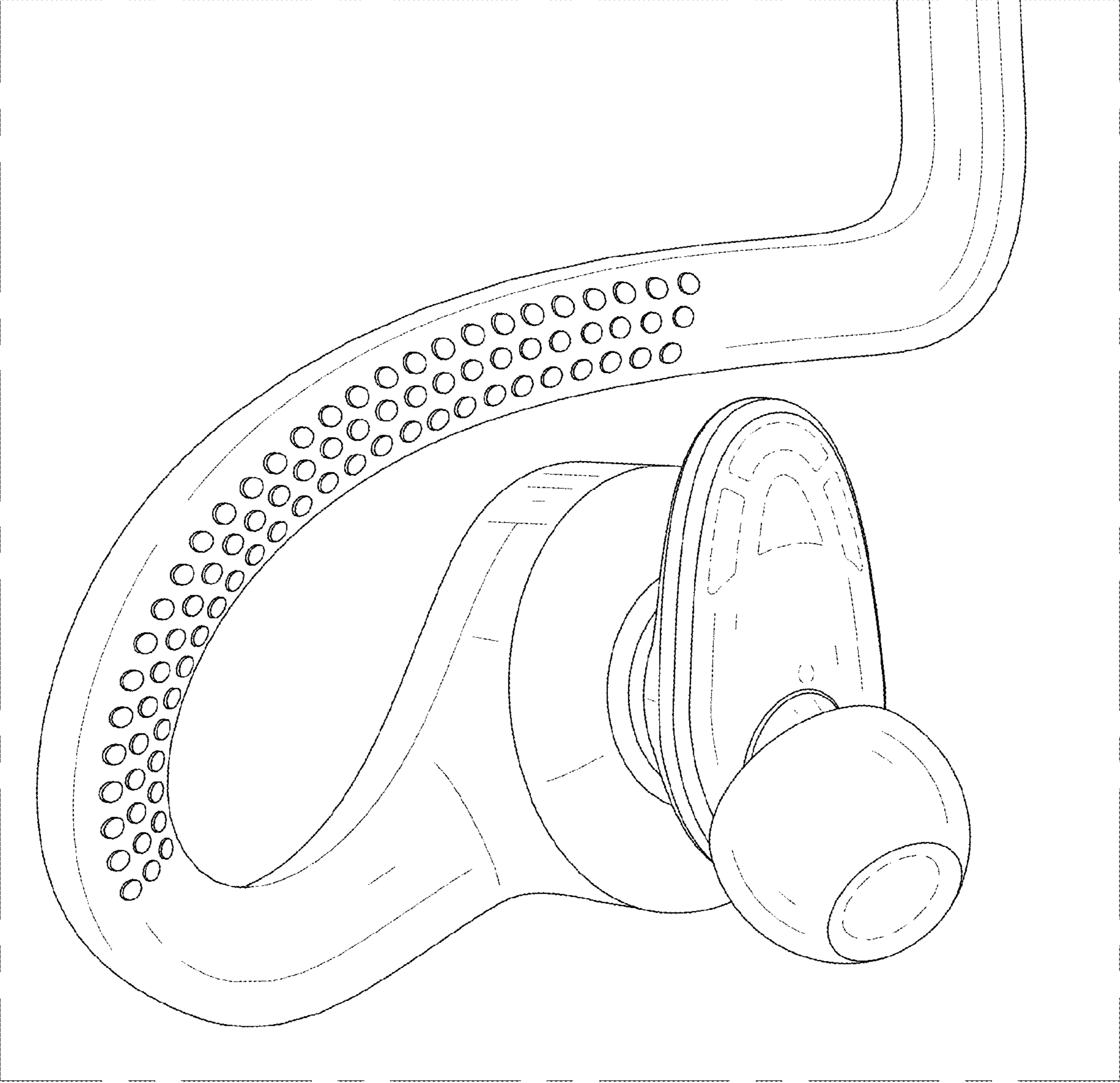


FIG. 9

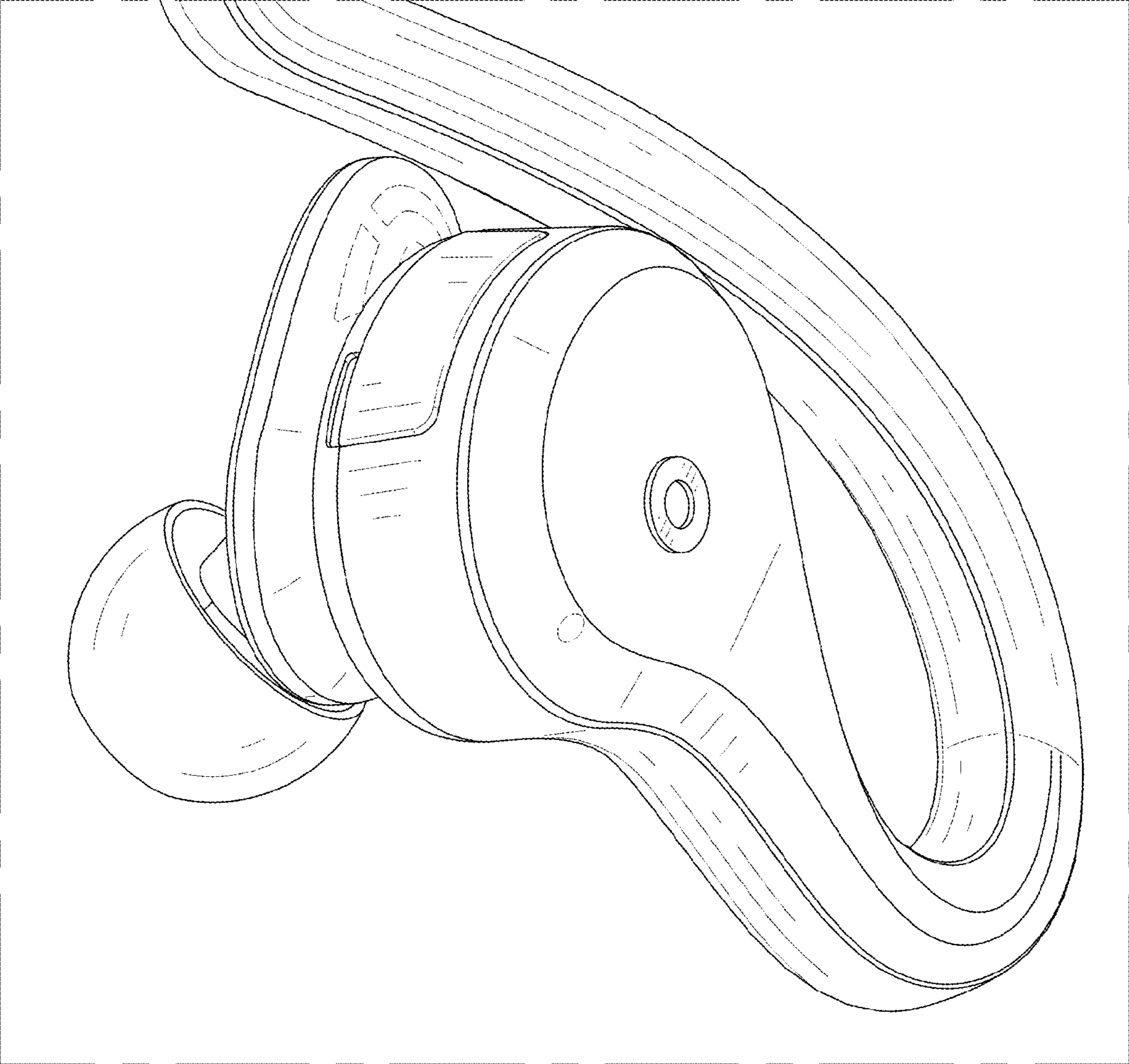


FIG. 10

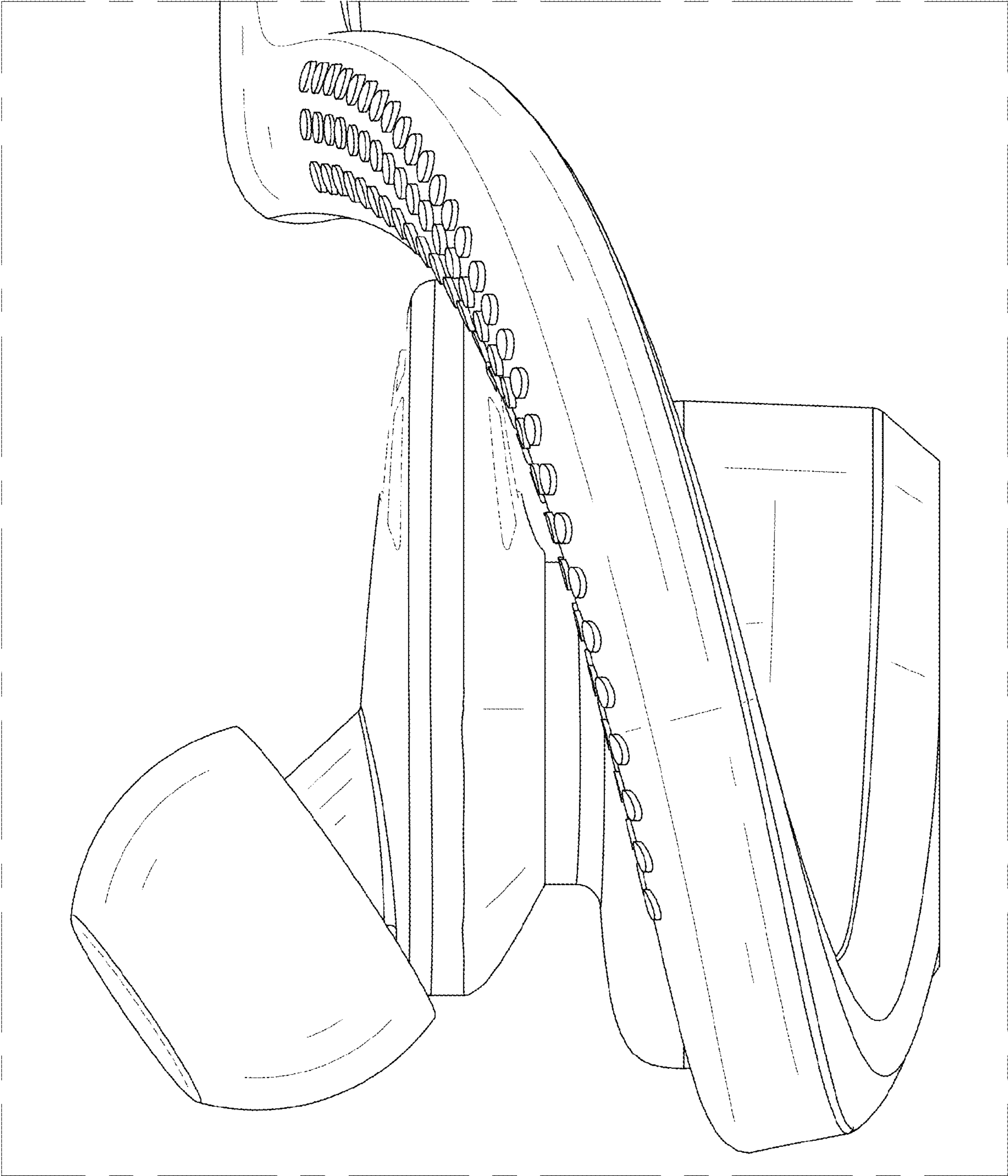


FIG. 11