



US00D899406S

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

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(54) **EARPHONE**

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

(52) **U.S. Cl.**

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USPC ..... D14/223, 205; 381/380, 381, 370, 375;  
455/90.3, 575.1, 569.1

CPC ..... H04R 1/10; H04R 25/00; H04R 1/1066;  
H04R 5/033; H04R 5/0335; H04R  
1/1091; H04R 1/105; H04R 1/1033

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D375,959 S *	11/1996	Davis	.....	D14/206
D395,312 S *	6/1998	Parsadayan	.....	D14/218
D447,743 S *	9/2001	Ma	.....	D14/223
D460,436 S *	7/2002	Bjorklund	.....	D14/205
D469,422 S *	1/2003	Nguyen	.....	D14/205
D470,129 S *	2/2003	Hlas	.....	D14/205
D474,178 S *	5/2003	Eroma	.....	D14/205
D498,227 S *	11/2004	Dyer	.....	D14/205
D501,196 S *	1/2005	Dyer	.....	D14/205
D504,672 S *	5/2005	Hirano	.....	D14/205
D510,085 S *	9/2005	Suzuki	.....	D14/223
D510,575 S *	10/2005	Leong	.....	D14/205
D515,069 S *	2/2006	Naito	.....	D14/205
D517,054 S *	3/2006	Yang	.....	D14/205

D518,816 S *	4/2006	Naito	.....	D14/205
D542,267 S *	5/2007	Cha	.....	D14/206
D543,968 S *	6/2007	Wong	.....	D14/205
D565,033 S *	3/2008	Goransson	.....	D14/223
D566,105 S *	4/2008	Yang	.....	D14/223
D577,003 S *	9/2008	Yang	.....	D14/206
D581,396 S *	11/2008	Wikel	.....	D14/206
D582,897 S *	12/2008	Christopher	.....	D14/223
D590,814 S *	4/2009	Bradford	.....	D14/223
D593,075 S *	5/2009	Williams	.....	D14/223
D595,698 S *	7/2009	Guccione	.....	D14/223
D597,084 S *	7/2009	Gondo	.....	D14/223
D602,005 S *	10/2009	Lee	.....	D14/223
D603,378 S *	11/2009	Paradise	.....	D14/223
D603,847 S *	11/2009	Chung	.....	D14/223

(Continued)

**FOREIGN PATENT DOCUMENTS**

EM	006910113-0001	*	9/2019
EM	006910618-0001	*	9/2019
EM	007809850-0001	*	4/2020

*Primary Examiner* — Paula Allen Greene

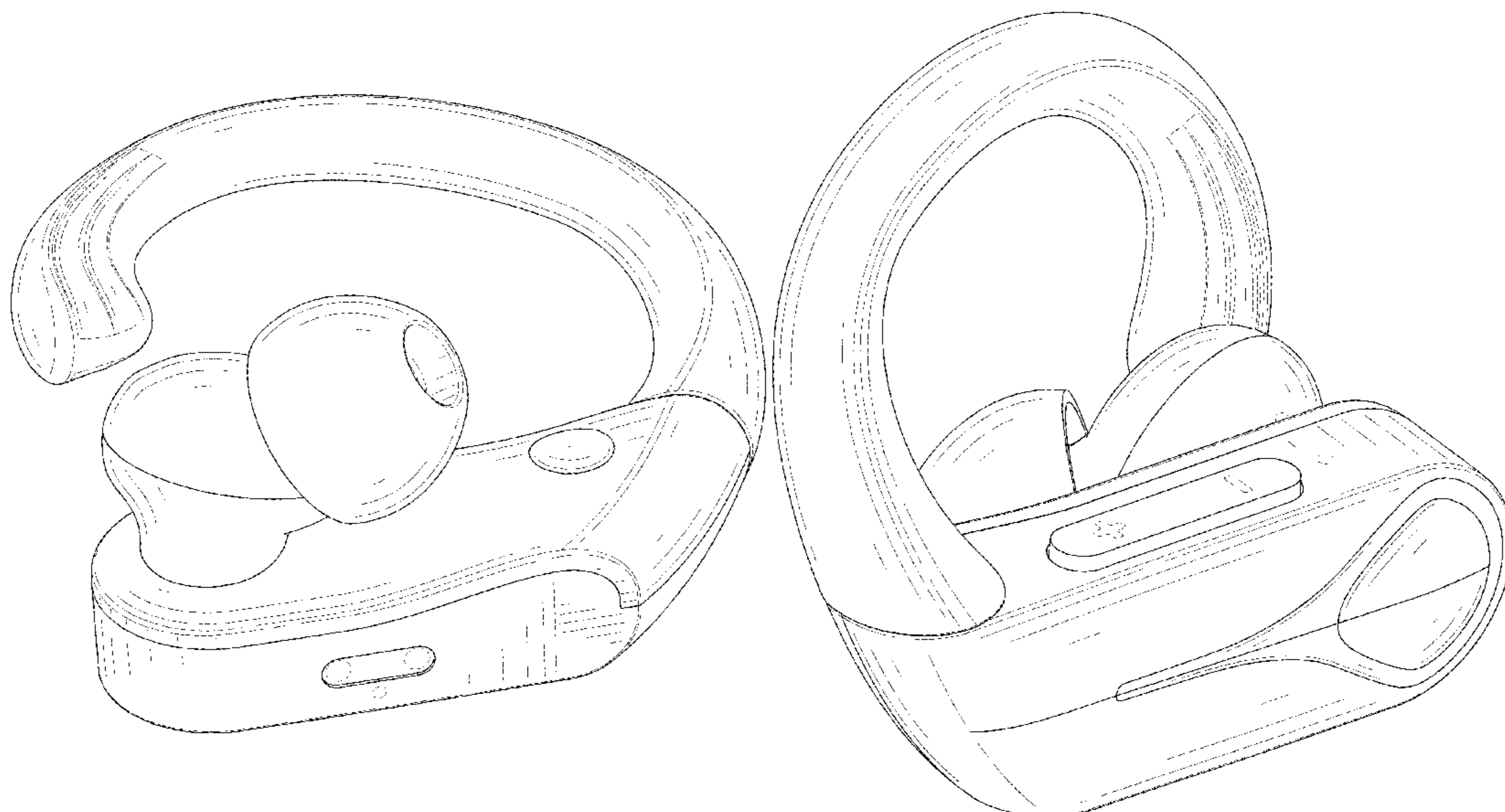
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front and bottom perspective view of an earphone, showing my new design;  
FIG. 2 is a rear and top 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; and,  
FIG. 8 is a bottom plan view thereof.  
The broken lines depict environment that forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D604,722 S *	11/2009	Mistry .....	D14/223	D761,770 S *	7/2016	Kanou .....	D14/206
D617,778 S *	6/2010	Birger .....	D14/223	D775,610 S *	1/2017	Nakajima .....	D14/223
D619,998 S *	7/2010	Birger .....	D14/223	D780,721 S *	3/2017	Brunner .....	D14/223
D625,297 S *	10/2010	Tseng .....	D14/223	D782,996 S *	4/2017	Zhu .....	D14/205
D625,710 S *	10/2010	Yang .....	D14/223	D796,490 S *	9/2017	Lian .....	D14/217
D628,194 S *	11/2010	Koch .....	D14/223	D801,952 S *	11/2017	Lian .....	D14/223
D629,397 S *	12/2010	Hensen .....	H04R 5/033 D14/223	D806,684 S *	1/2018	Tsai .....	D14/223
D631,470 S *	1/2011	Yoneyama .....	D14/223	D807,331 S *	1/2018	Morimoto .....	D14/223
D633,899 S *	3/2011	Zheng .....	D14/223	D810,053 S *	2/2018	Otani .....	D14/223
D635,960 S *	4/2011	Gondo .....	D14/223	D821,364 S *	6/2018	Brunner .....	D14/223
D639,787 S *	6/2011	Quek .....	D14/223	D834,003 S *	11/2018	Maeda .....	D14/223
D641,884 S *	7/2011	Laperle .....	D24/174	D838,692 S *	1/2019	Fu .....	D14/223
D664,125 S *	7/2012	Koch .....	D14/223	D842,836 S *	3/2019	Ma .....	D14/205
D664,950 S *	8/2012	Rye .....	D14/223	D843,344 S *	3/2019	Zhu .....	D14/205
D685,768 S *	7/2013	Mogili .....	D14/223	D848,978 S *	5/2019	Min .....	D14/223
D690,288 S *	9/2013	Son .....	D14/223	D852,784 S *	7/2019	Cramer .....	G06F 3/165 D14/223
D691,580 S *	10/2013	Cho .....	D14/205	D853,360 S	7/2019	Kawabata	
D695,275 S *	12/2013	Chee .....	D14/223	D856,302 S *	8/2019	Ma .....	D14/205
D710,333 S *	8/2014	Davies .....	H04R 1/10 D14/223	D858,482 S *	9/2019	Ma .....	D14/205
D712,382 S *	9/2014	Brunner .....	D14/223	D863,265 S *	10/2019	Hu .....	D14/223
D713,385 S *	9/2014	Burgett .....	D14/223	D871,375 S *	12/2019	Meyer .....	D14/223
D718,283 S *	11/2014	Thompson .....	D14/223	D873,246 S *	1/2020	Zhu .....	D14/223
D725,637 S *	3/2015	Nakajima .....	D14/223	D878,338 S *	3/2020	Yang .....	D14/223
D743,945 S *	11/2015	Brunner .....	D14/223	D881,850 S *	4/2020	Zhang .....	D14/223
D743,946 S *	11/2015	Brunner .....	D14/223	D883,259 S *	5/2020	Ma .....	D14/223
				D888,022 S *	6/2020	McCune .....	D14/223
				D888,023 S *	6/2020	Gao .....	D14/223
				D888,685 S *	6/2020	Lin .....	D14/205
				D890,137 S *	7/2020	Ma .....	D14/223

\* cited by examiner

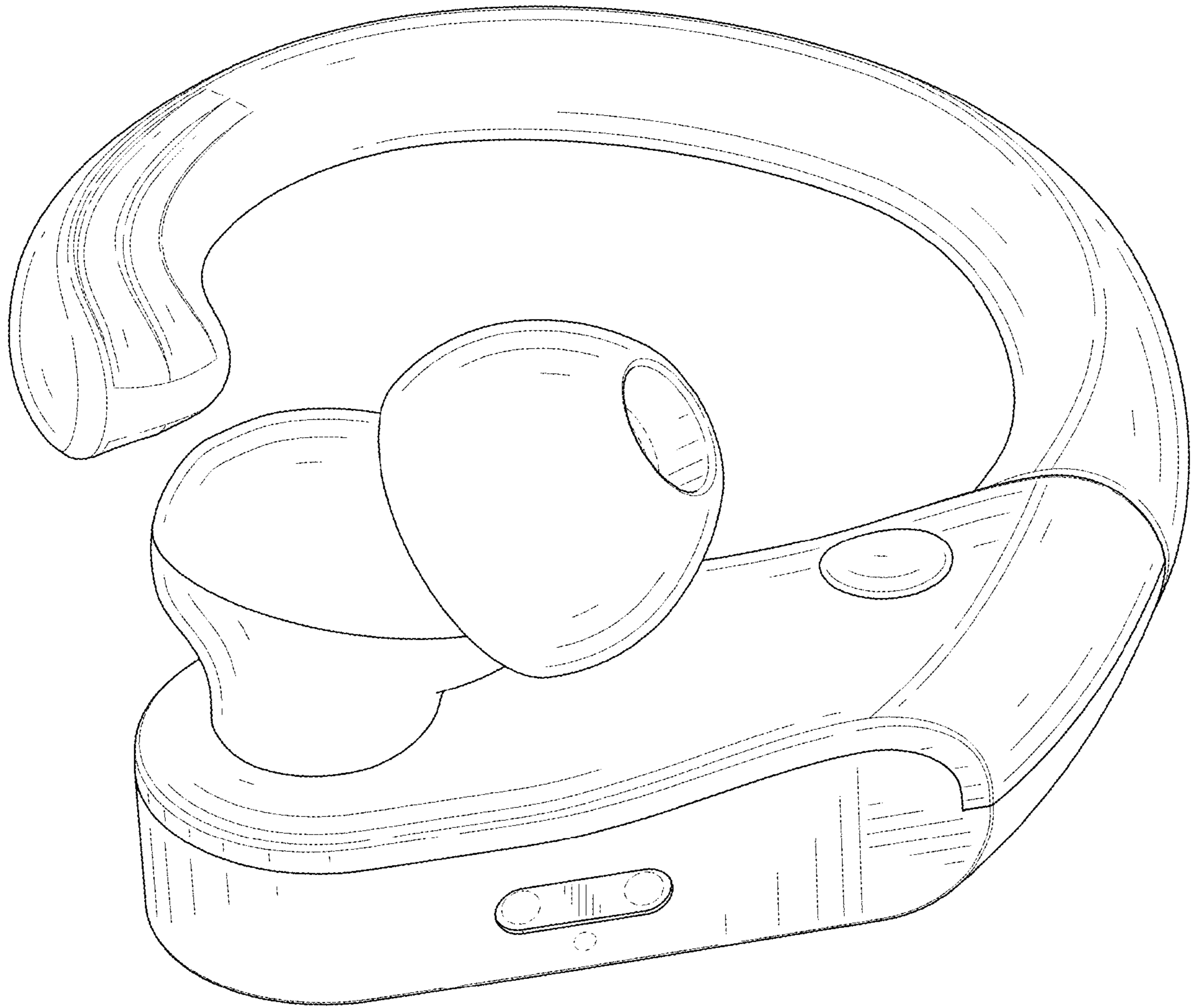


FIG. 1



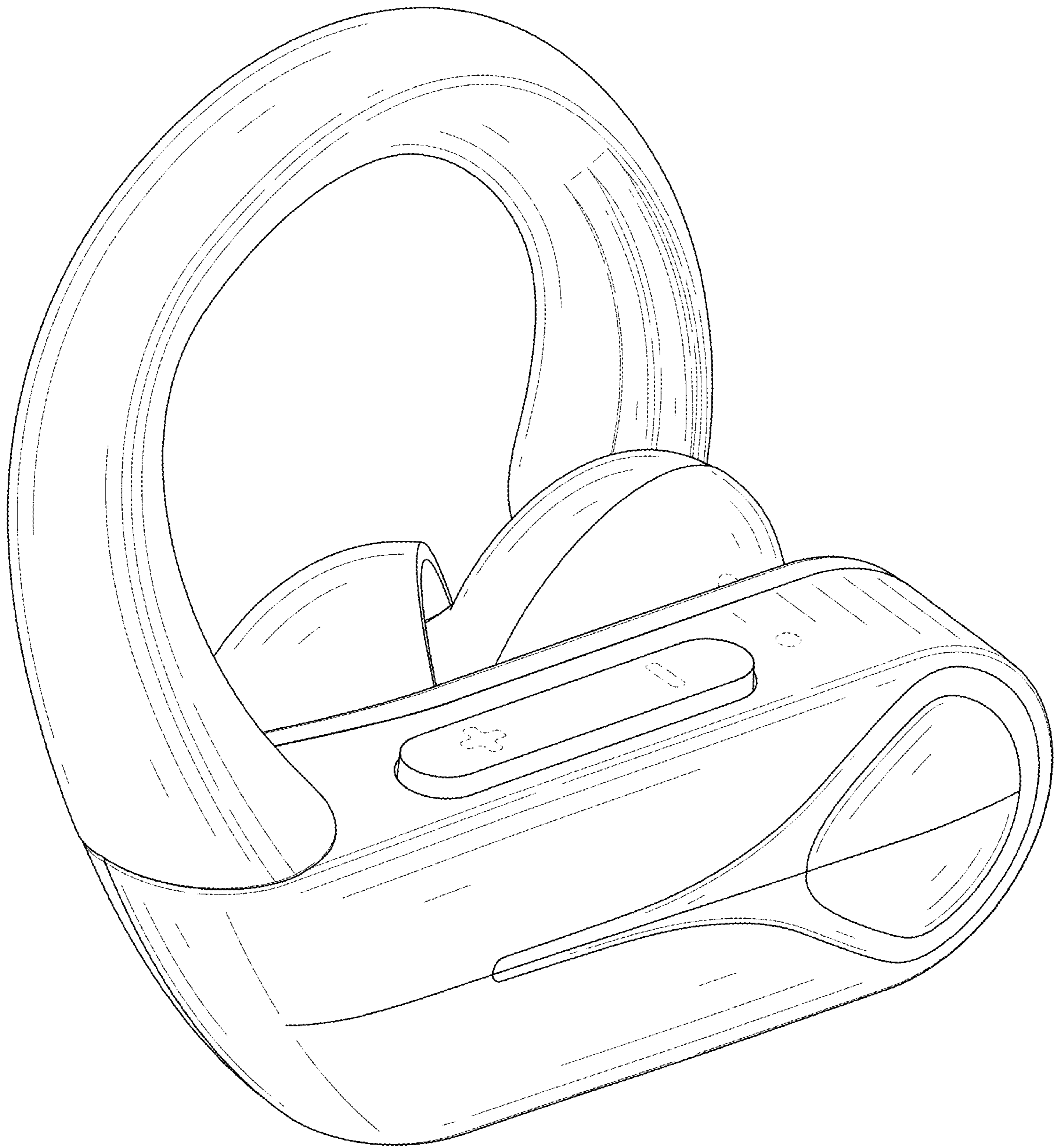


FIG. 2

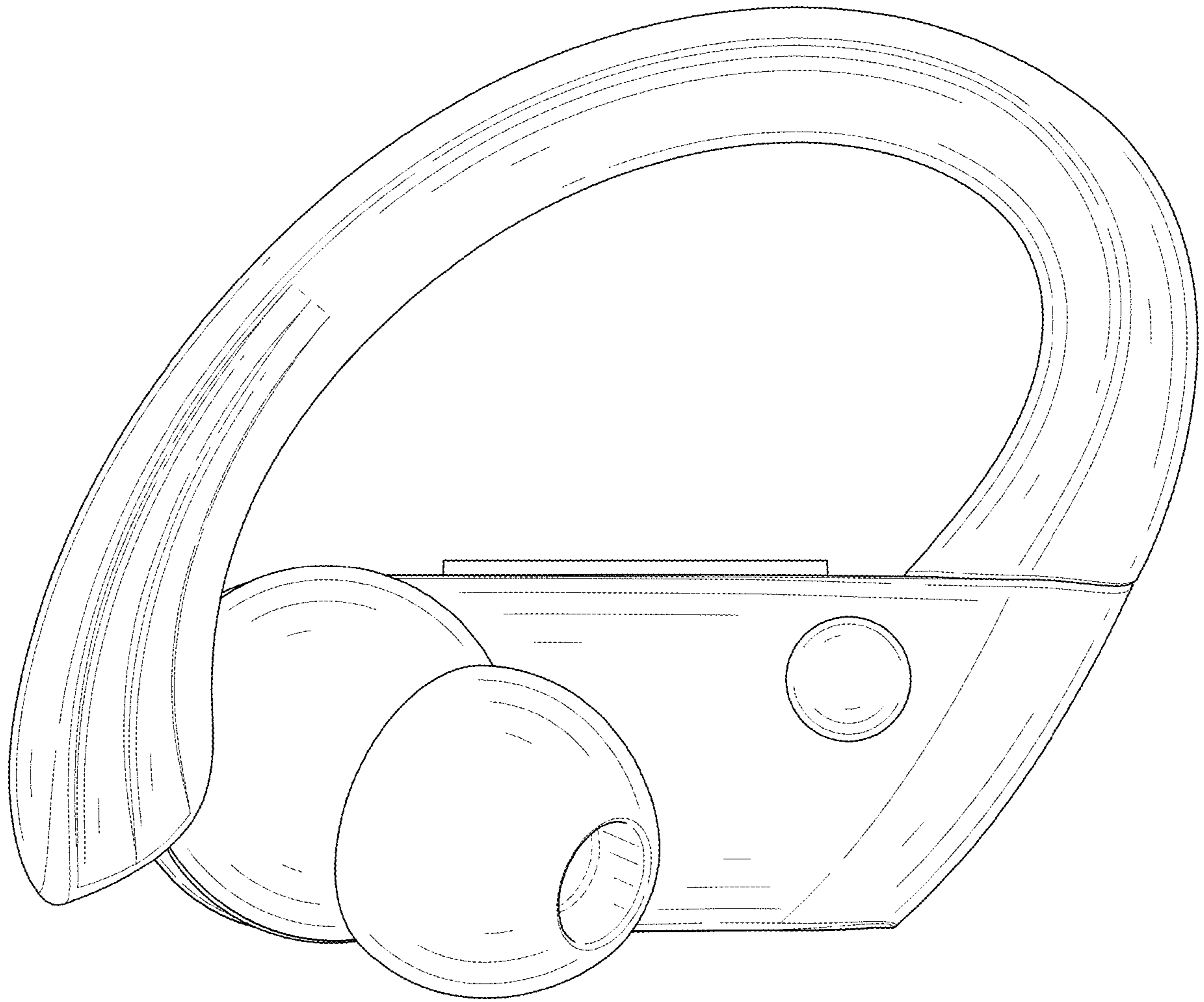


FIG. 3

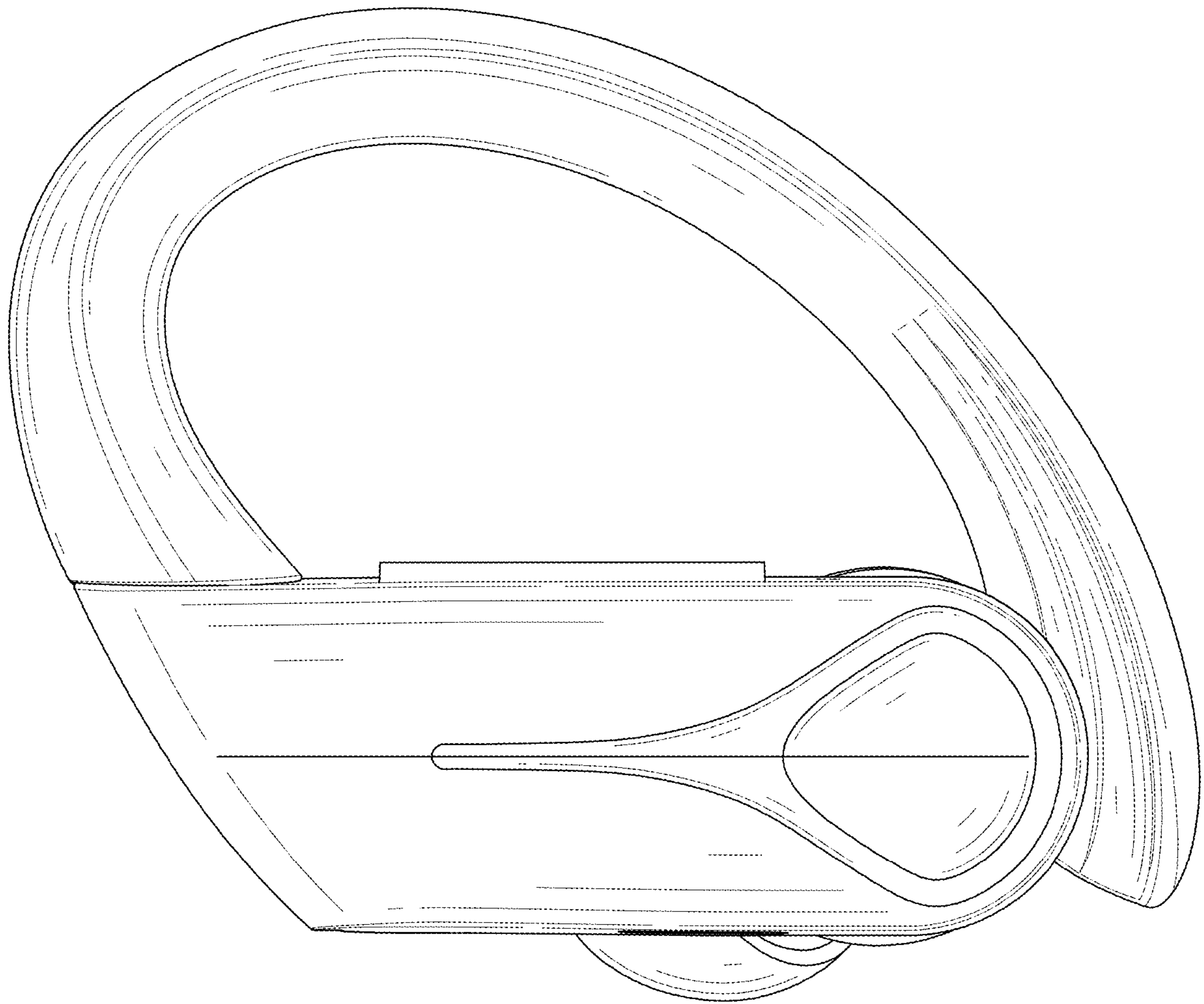


FIG. 4

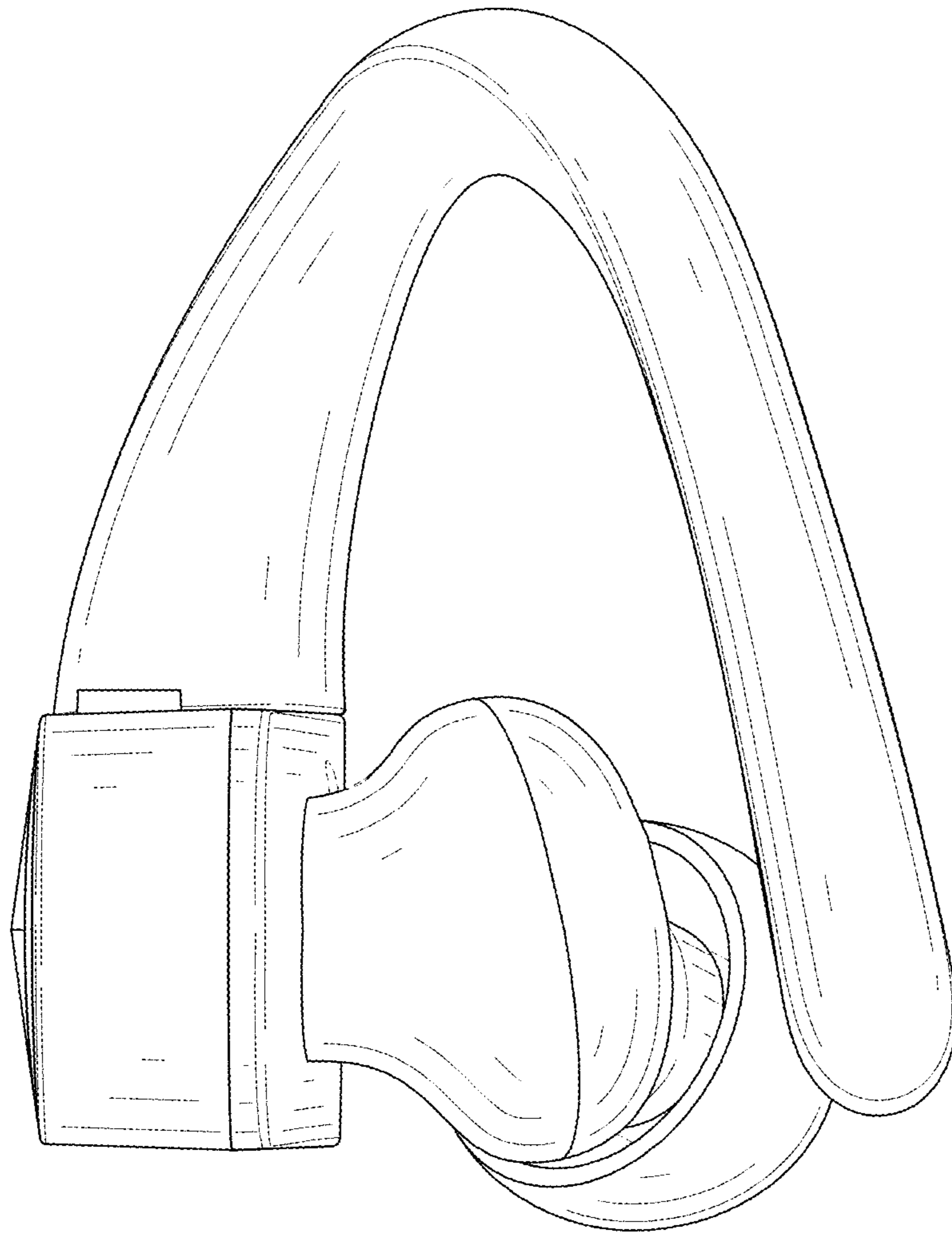


FIG. 5

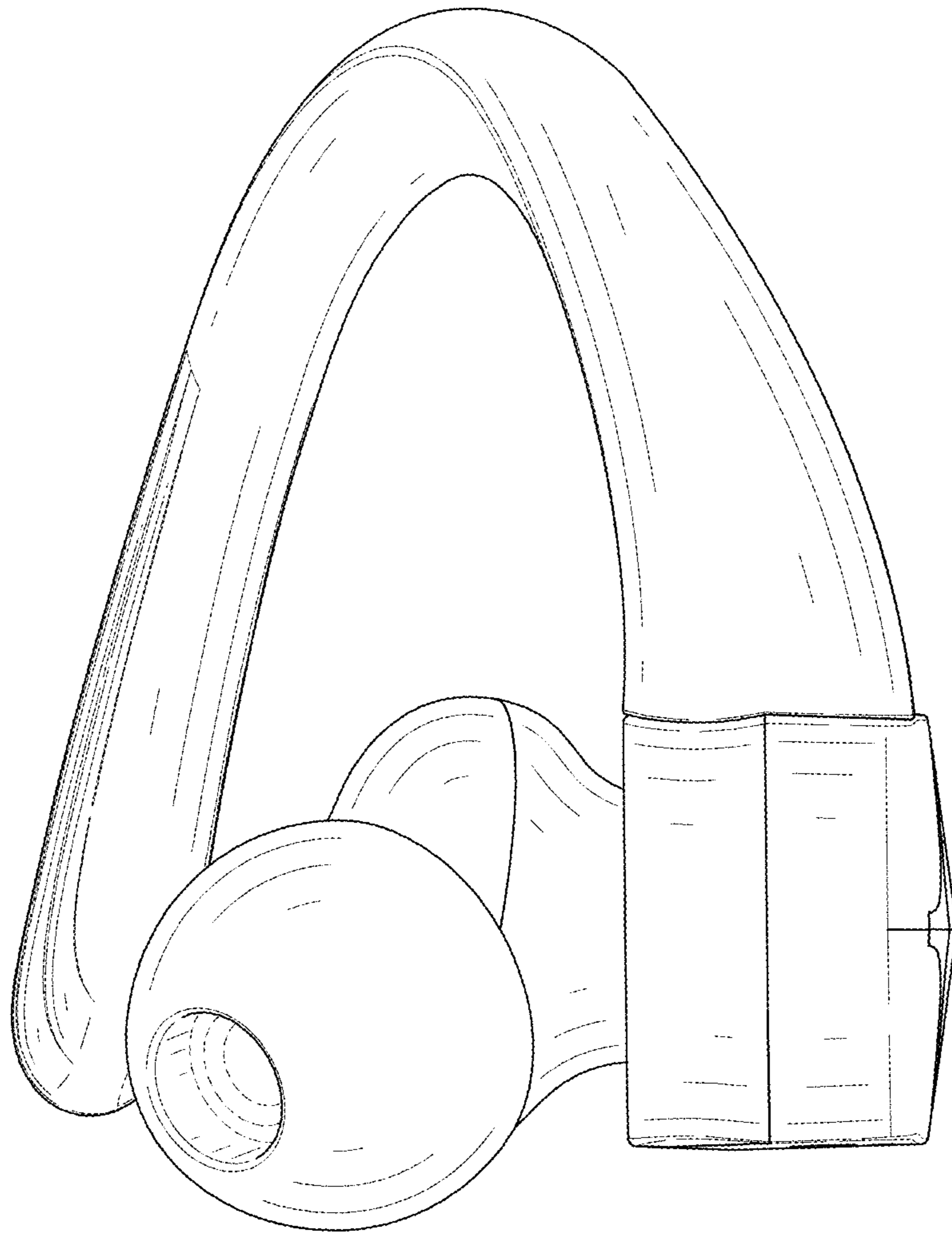


FIG. 6



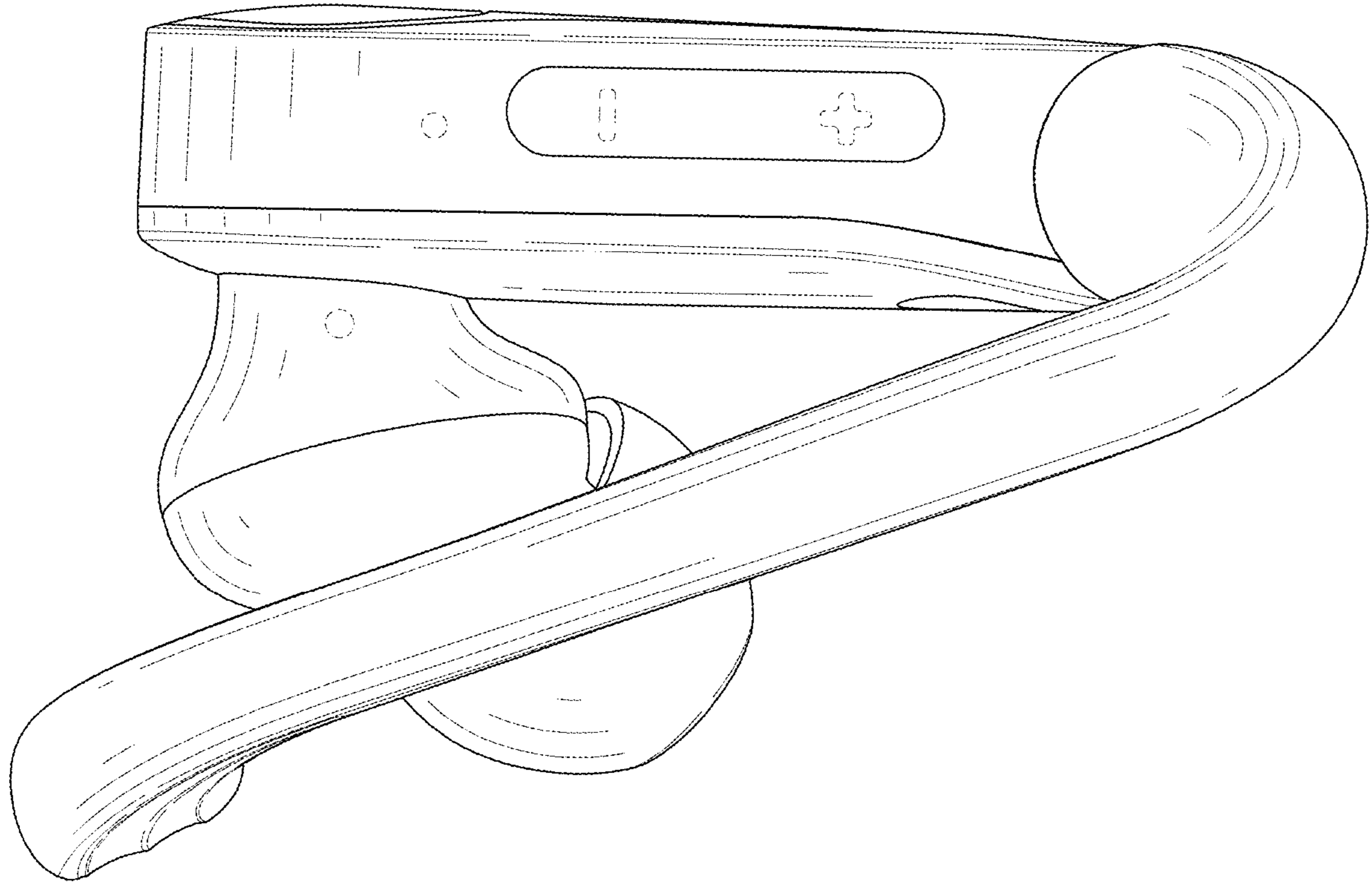


FIG. 7

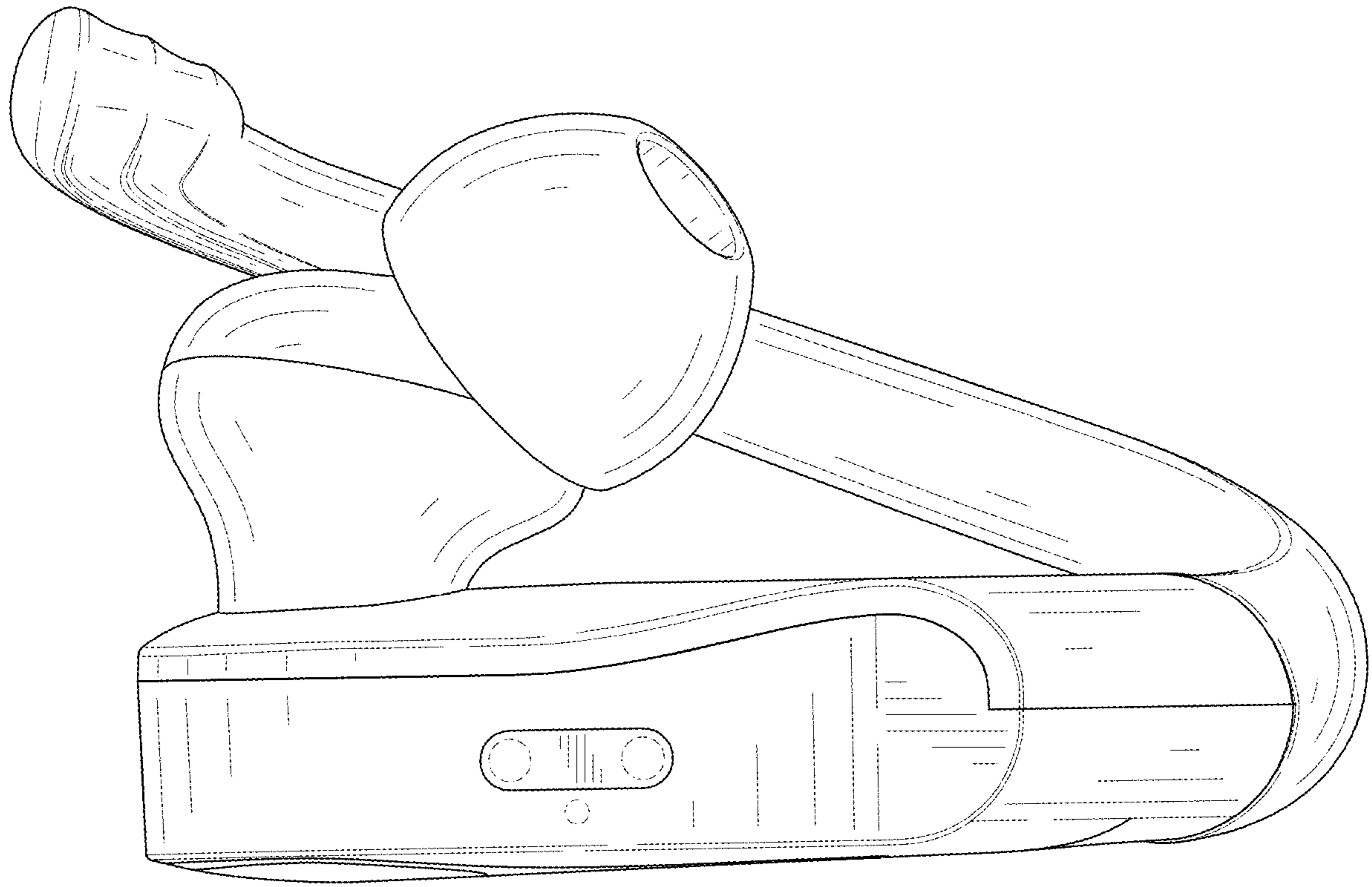


FIG. 8