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

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(54) **EARPHONE**

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

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(52) **U.S. Cl.**
USPC **D14/223**

(58) **Field of Classification Search**
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128/866; 381/380, 381; 455/90.3, 575.1,
455/569.1

CPC H04R 1/10; H04R 25/00; H04R 1/105;
H04R 1/1066; H04R 1/1016; H04R
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D500,485 S *	1/2005	Deguchi	.....	D14/480.4
6,868,284 B2 *	3/2005	Bae	.....	H04M 1/05 379/428.02
D542,267 S *	5/2007	Cha	.....	D14/206
D559,836 S *	1/2008	Lee	.....	D14/223
D573,582 S *	7/2008	Ma	.....	D14/205
D579,924 S *	11/2008	Sade	.....	D14/223
D582,897 S *	12/2008	Christopher	.....	D14/223
D593,075 S *	5/2009	Williams	.....	D14/223
7,539,525 B2 *	5/2009	Kim	.....	H04M 1/05 379/433.13
D595,698 S *	7/2009	Guccione	.....	D14/223
D597,084 S *	7/2009	Gondo	.....	D14/223

D603,847 S *	11/2009	Chung	.....	D14/223
D604,722 S *	11/2009	Mistry	.....	D14/223
D617,778 S *	6/2010	Birger	.....	D14/223
D619,998 S *	7/2010	Birger	.....	D14/223
D622,706 S *	8/2010	Tzeng	.....	D14/223
7,778,410 B2 *	8/2010	Liu	.....	H04M 1/05 379/430
D625,297 S *	10/2010	Tseng	.....	D14/223
D629,397 S *	12/2010	Hensen	.....	H04R 5/033 D14/223
D631,470 S *	1/2011	Yoneyama	.....	D14/223
D633,899 S *	3/2011	Zheng	.....	D14/223
D635,960 S *	4/2011	Gondo	.....	D14/223
D639,787 S *	6/2011	Quek	.....	D14/223
D641,884 S *	7/2011	Laperle	.....	D24/174
D664,125 S *	7/2012	Koch	.....	D14/223
D664,950 S *	8/2012	Rye	.....	D14/223

(Continued)

FOREIGN PATENT DOCUMENTS

CA	190073	*	1/2021
EM	006377511-0001	*	4/2019

(Continued)

Primary Examiner — Paula Allen Greene

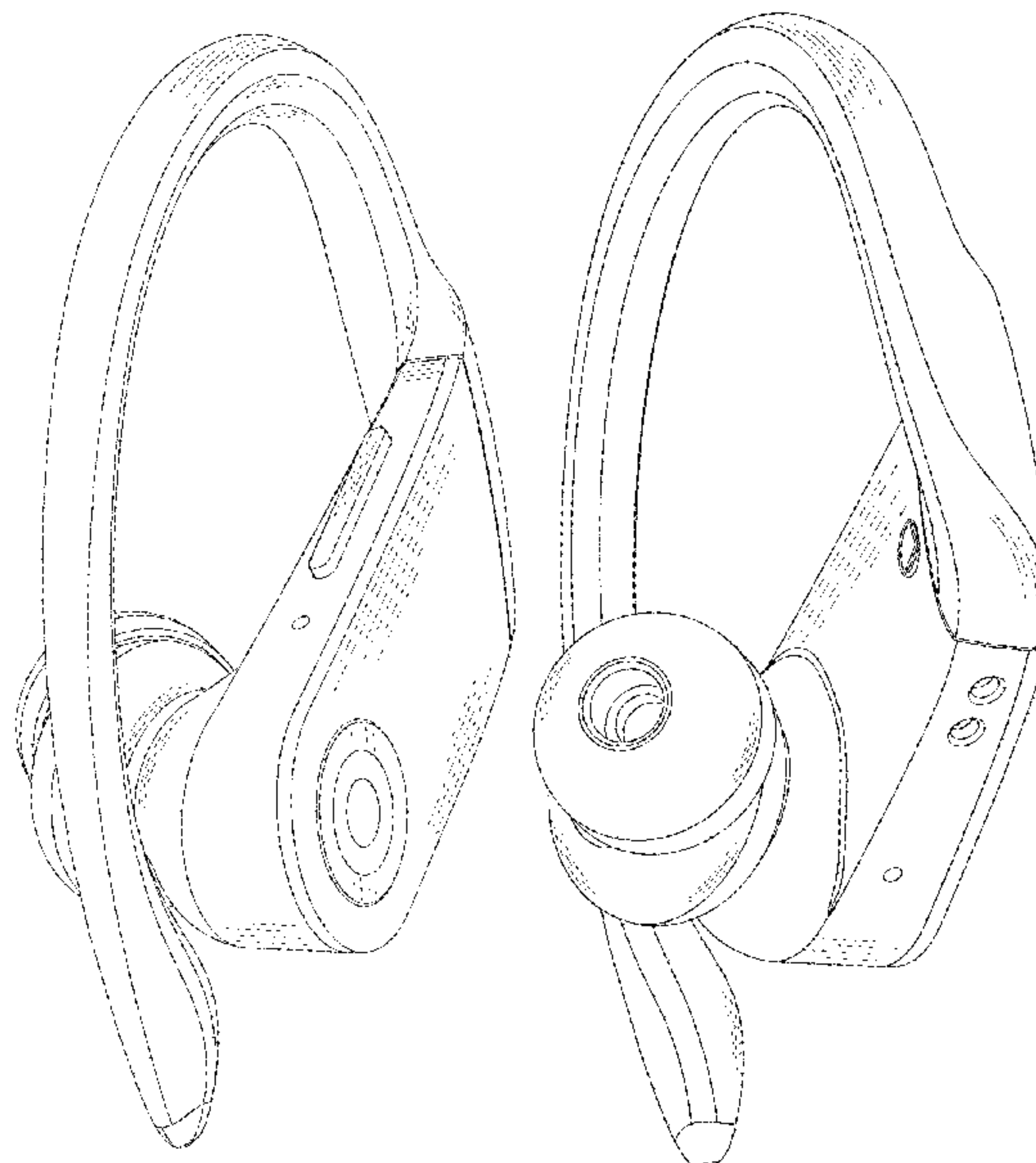
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front and top perspective view of an earphone showing my new design;
FIG. 2 is a rear and bottom perspective view thereof;
FIG. 3 is a front elevation view thereof;
FIG. 4 is a rear elevation view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a bottom view thereof;
FIG. 7 is a top end view thereof; and,
FIG. 8 is a bottom end view thereof.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D685,768 S * 7/2013 Mogili D14/223
 D691,580 S * 10/2013 Cho D14/205
 D695,275 S * 12/2013 Chee D14/223
 8,655,005 B2 * 2/2014 Birger H04R 1/1091
 381/381
 D707,659 S * 6/2014 Henning D14/223
 D710,333 S * 8/2014 Davies H04R 1/10
 D14/223
 D712,382 S * 9/2014 Brunner D14/223
 D713,385 S * 9/2014 Burgett D14/223
 D718,283 S * 11/2014 Thompson D14/223
 D725,637 S * 3/2015 Nakajima D14/223
 D734,744 S * 7/2015 Brunner D14/223
 D741,299 S * 10/2015 Brunner D14/223
 D743,945 S * 11/2015 Brunner D14/223
 D743,946 S * 11/2015 Brunner D14/223
 D757,945 S * 5/2016 Bishop D24/174
 D775,610 S * 1/2017 Nakajima D14/223
 D780,721 S * 3/2017 Brunner D14/223
 D782,996 S * 4/2017 Zhu D14/205
 D796,490 S * 9/2017 Lian D14/223
 D801,952 S * 11/2017 Lian D14/223
 D806,684 S * 1/2018 Tsai D14/223
 D807,331 S * 1/2018 Morimoto D14/223
 D810,053 S * 2/2018 Otani D14/223
 D821,364 S * 6/2018 Brunner D14/223
 D834,003 S * 11/2018 Maeda D14/223
 10,154,334 B1 * 12/2018 Lin H04R 1/1041
 D838,692 S * 1/2019 Fu D14/223
 D842,836 S * 3/2019 Ma D14/205
 D843,344 S * 3/2019 Zhu D14/205
 D848,978 S * 5/2019 Min D14/223
 D852,784 S * 7/2019 Cramer H04R 1/1008
 D14/223
 D853,360 S * 7/2019 Kawabata D14/223
 D862,424 S * 10/2019 You D14/223

D863,265 S * 10/2019 Hu D14/223
 D869,435 S * 12/2019 Sanhua D14/205
 D871,375 S * 12/2019 Meyer D14/223
 D873,246 S * 1/2020 Zhu D14/223
 D873,789 S * 1/2020 Hu D14/205
 D881,850 S * 4/2020 Zhang D14/223
 D883,259 S * 5/2020 Ma D14/223
 D885,370 S * 5/2020 Hu D14/223
 D887,338 S * 6/2020 Bennett D12/223
 D890,137 S * 7/2020 Ma D14/223
 D897,320 S * 9/2020 Boyd D14/223
 D899,406 S * 10/2020 Ma D14/223
 10,880,632 B1 * 12/2020 Boyd H04R 1/1066
 D907,608 S * 1/2021 Xie D14/223
 D914,651 S * 3/2021 Xie D14/223
 D915,356 S * 4/2021 Gao D14/223
 D915,357 S * 4/2021 Gao D14/223
 D916,057 S * 4/2021 Boyd D14/223
 D919,594 S * 5/2021 Ott D14/205
 D919,595 S * 5/2021 Ott D14/205
 D920,959 S * 6/2021 Cai D14/223
 D922,359 S * 6/2021 Lu D14/223
 2008/0019557 A1 * 1/2008 Bevirt H04R 1/083
 381/386
 2009/0103768 A1 * 4/2009 Lin H04R 1/1058
 381/390
 2015/0330478 A1 * 11/2015 Grewal H04R 1/1033
 381/384
 2020/0077174 A1 * 3/2020 Solis H04R 1/105
 2020/0314518 A1 * 10/2020 Hatfield H04R 1/1041
 2021/0000419 A1 * 1/2021 Gil A61B 5/6817
 2021/0084399 A1 * 3/2021 Sha H04R 1/1075
 2021/0092504 A1 * 3/2021 Kamimura H04R 1/105

FOREIGN PATENT DOCUMENTS

EM 006874426-0001 * 9/2019
 EM 007343660-0003 * 12/2019

* cited by examiner

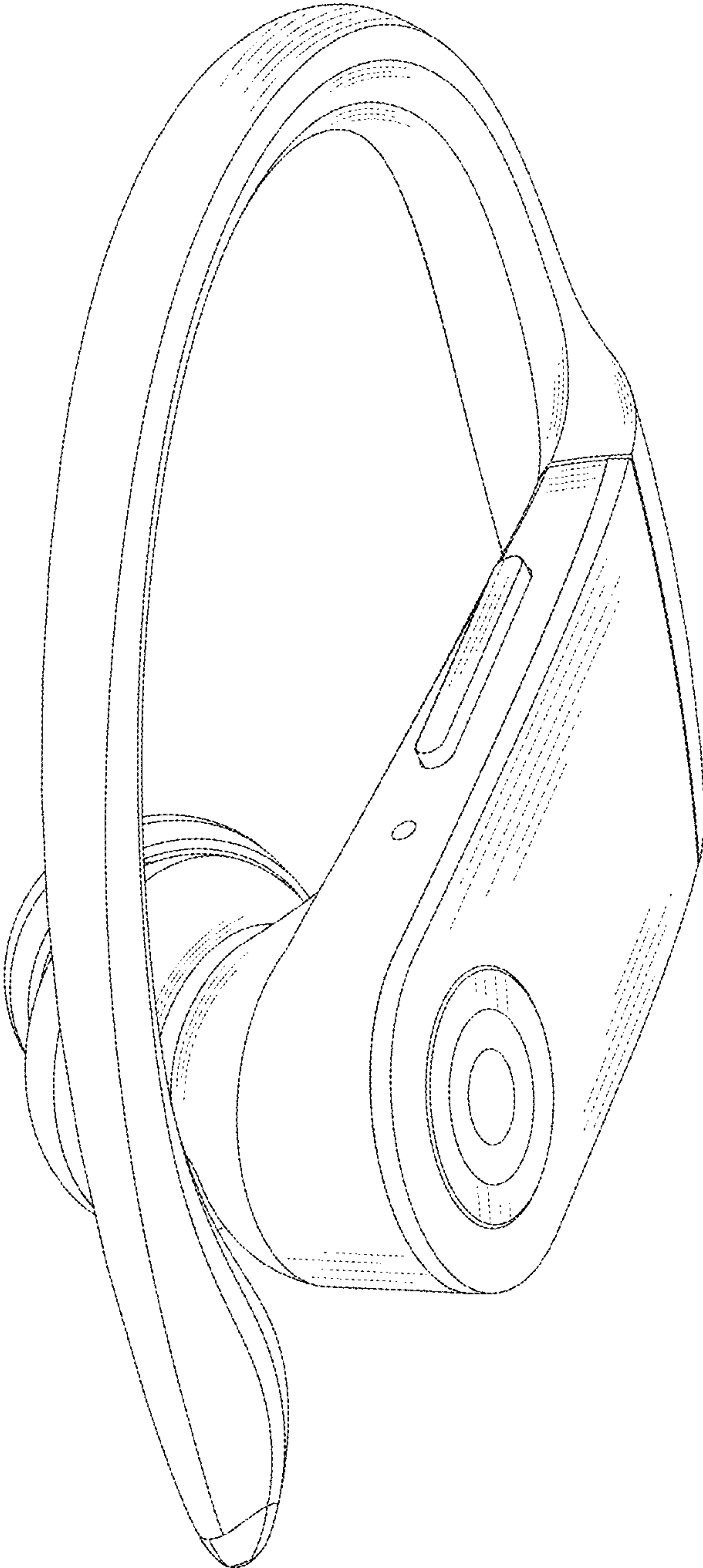


FIG.1

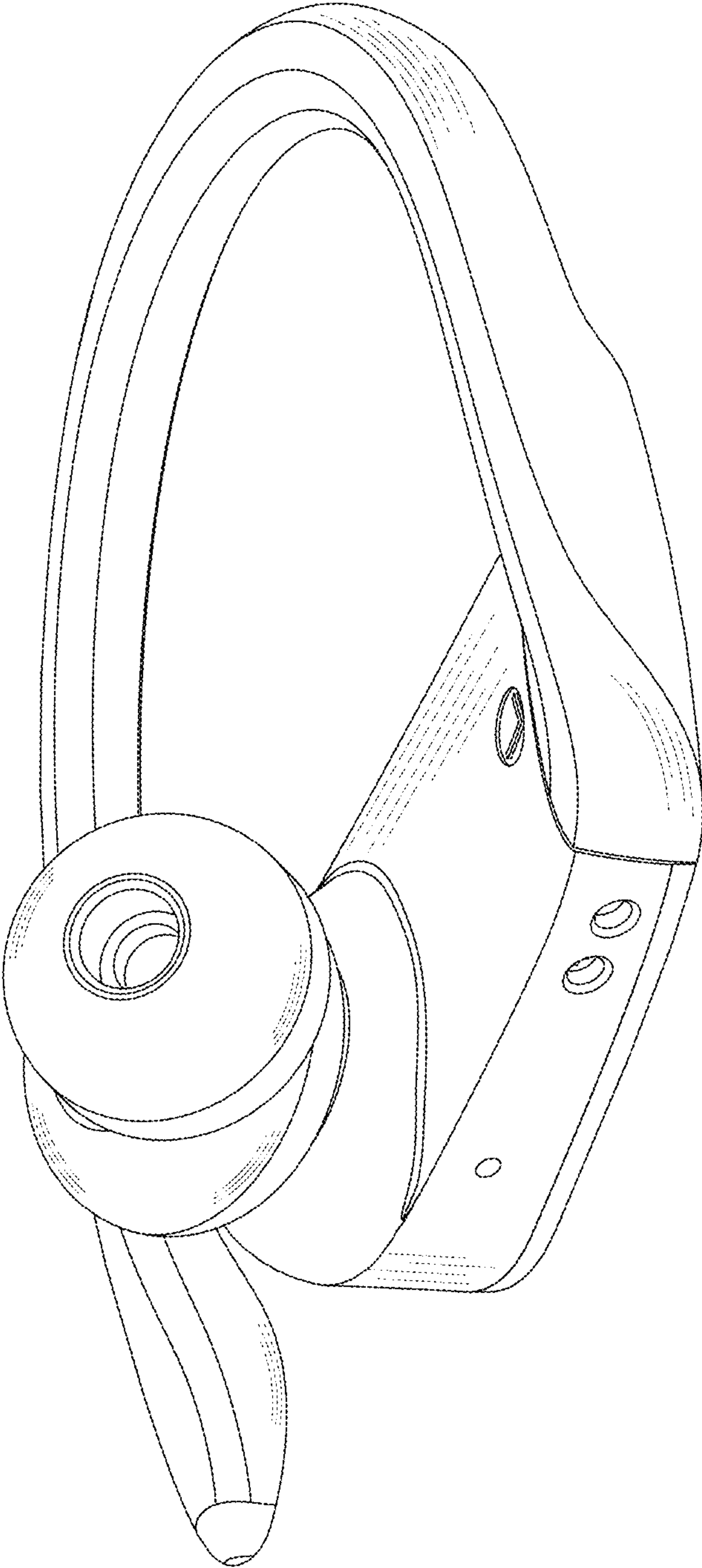


FIG.2

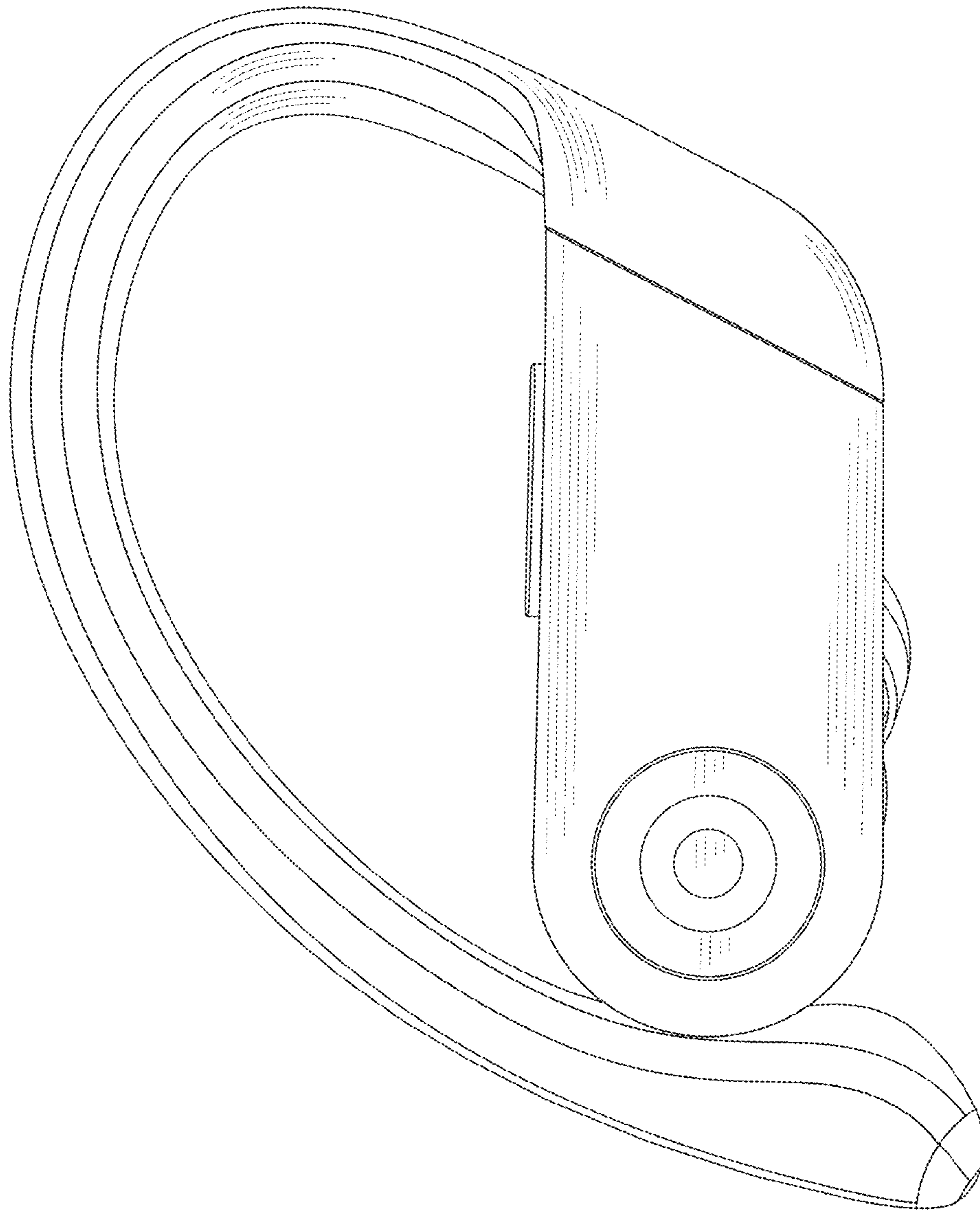


FIG.3

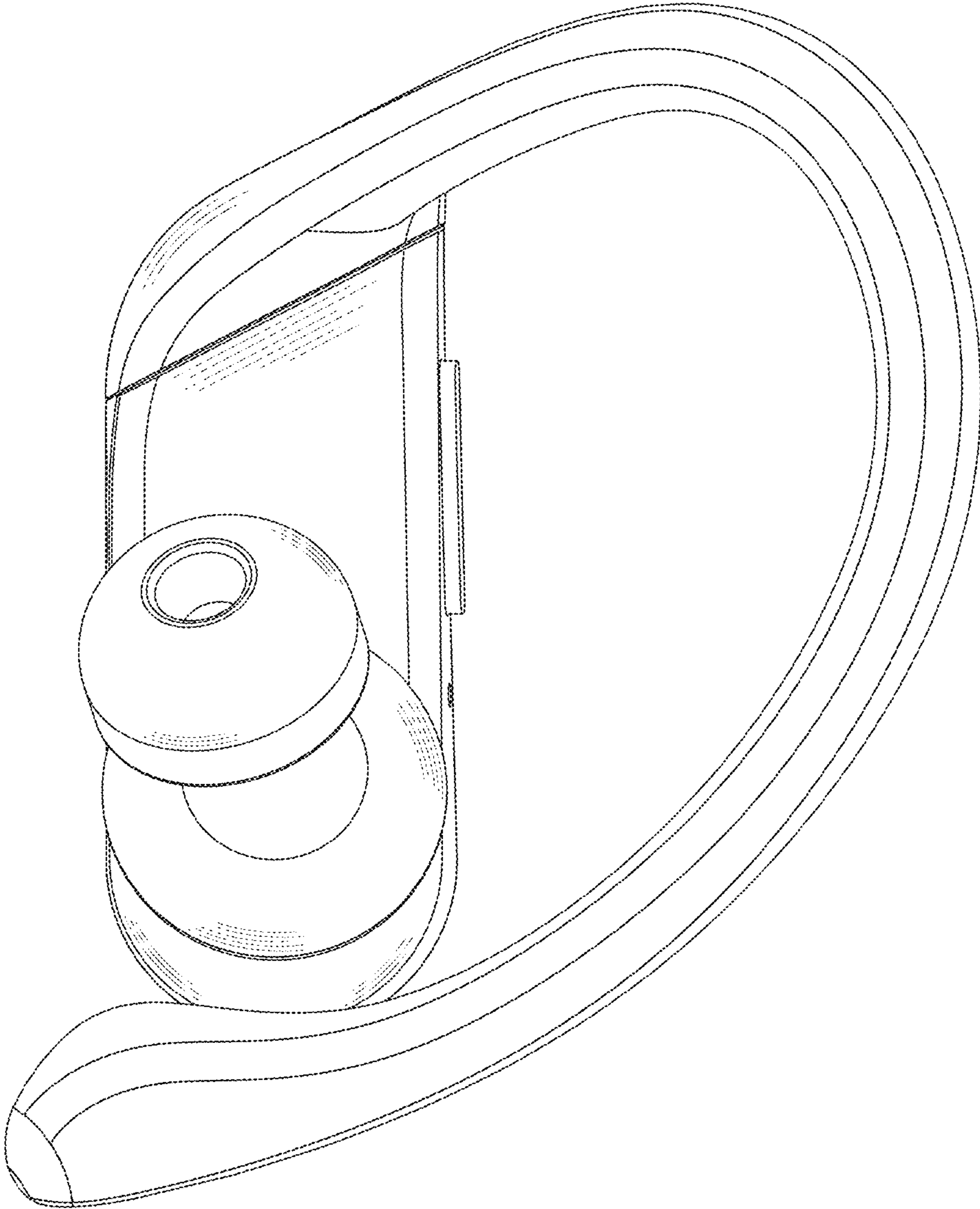


FIG.4

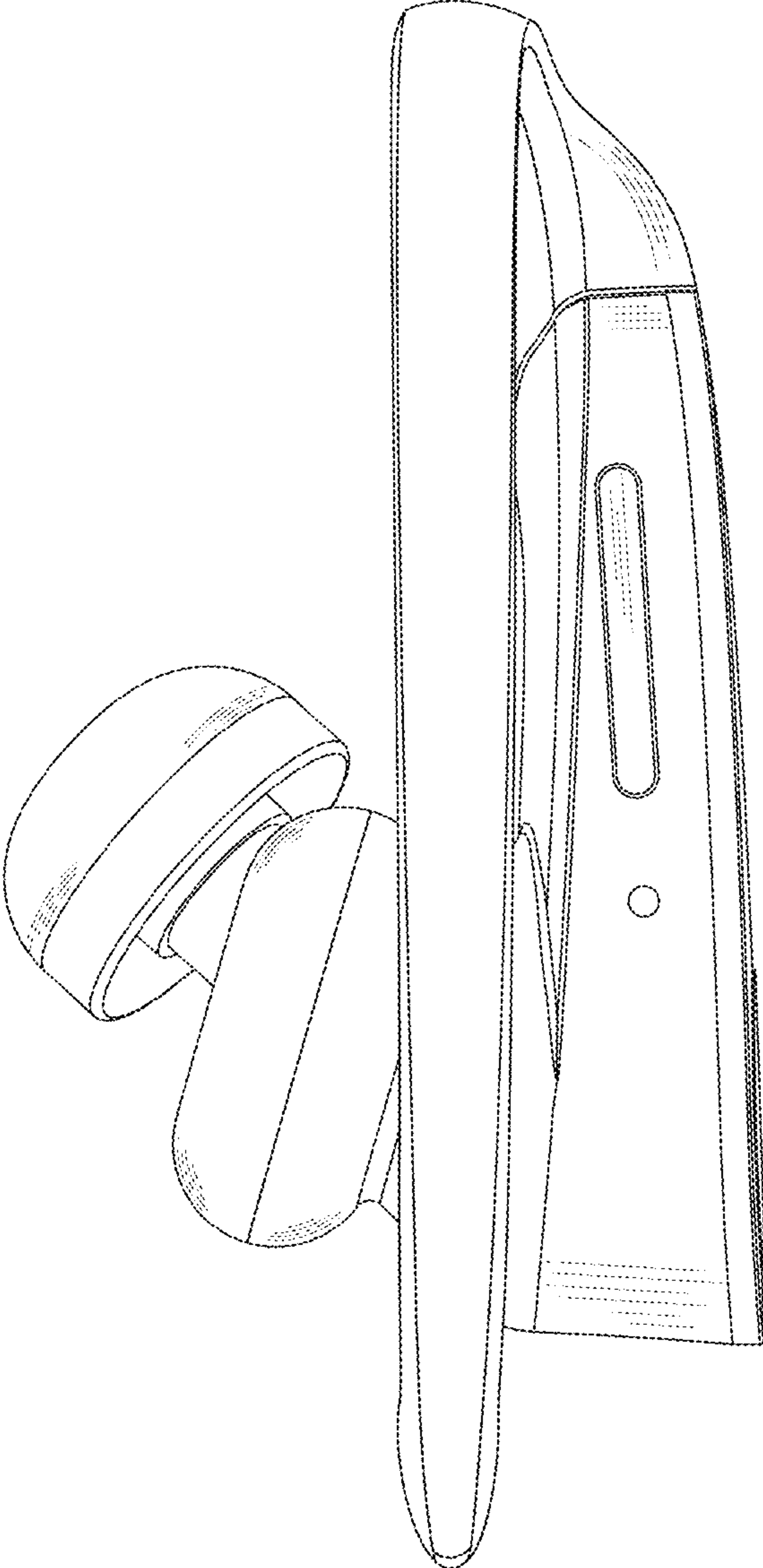


FIG. 5

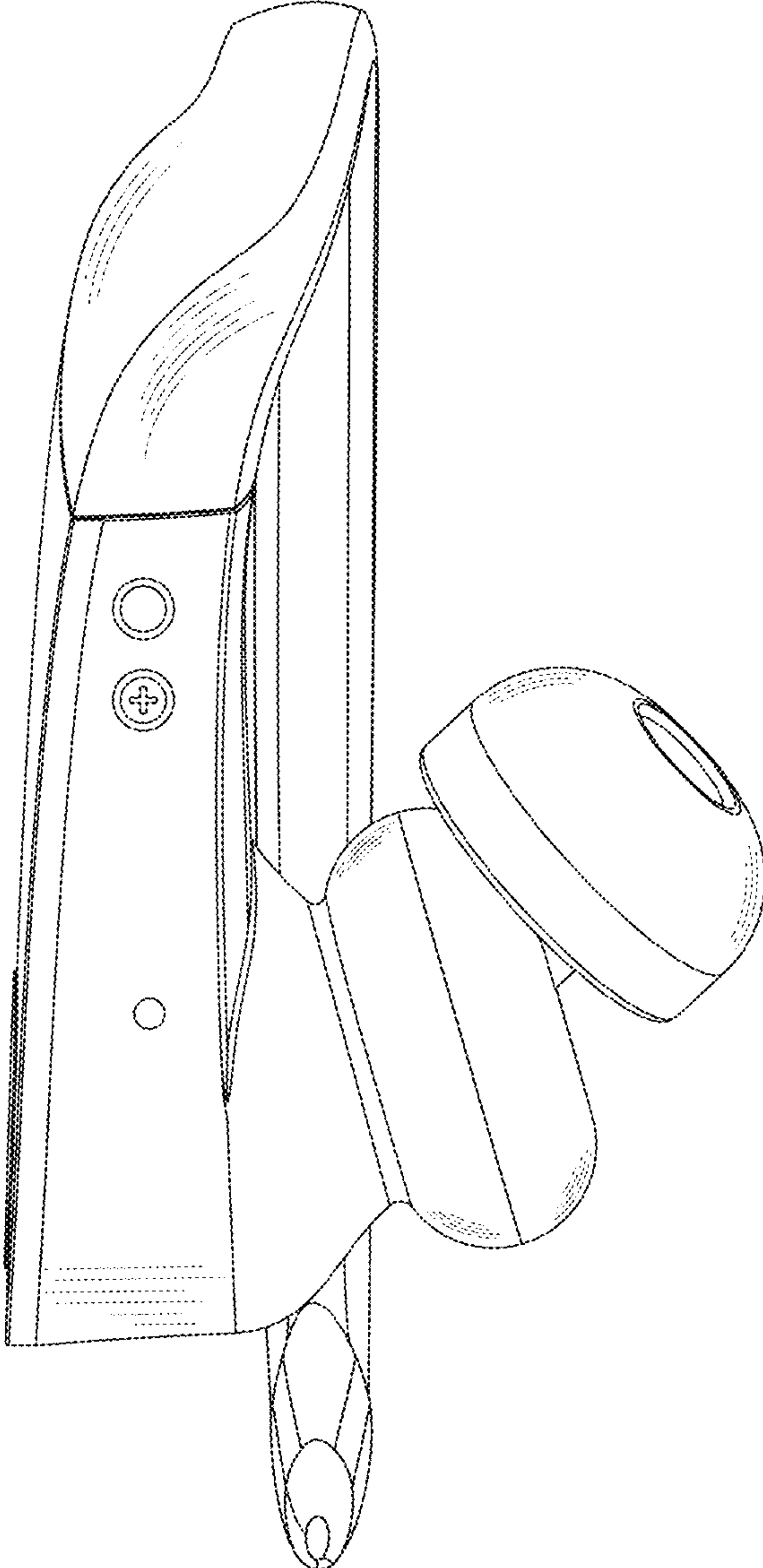


FIG. 6

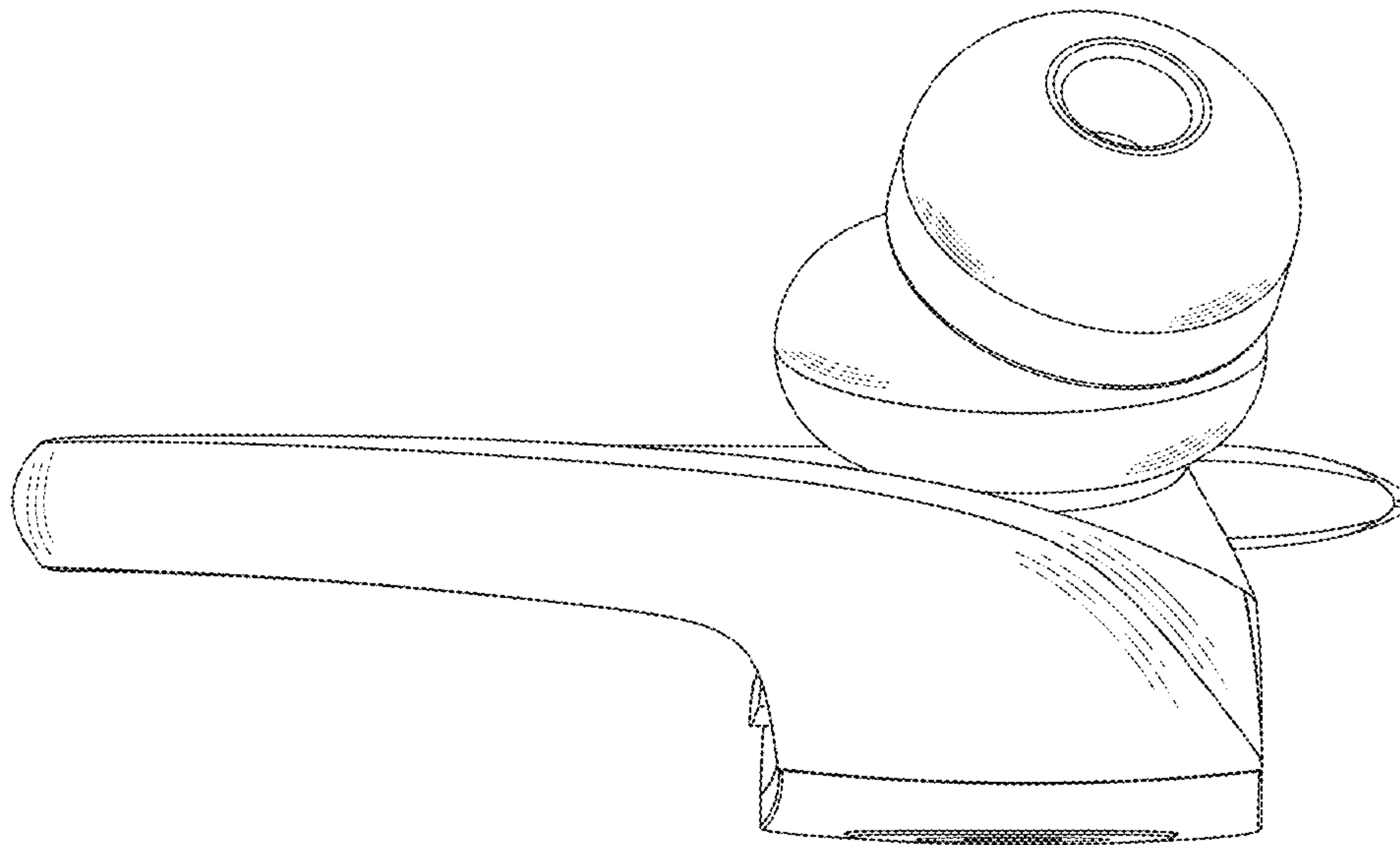


FIG. 7

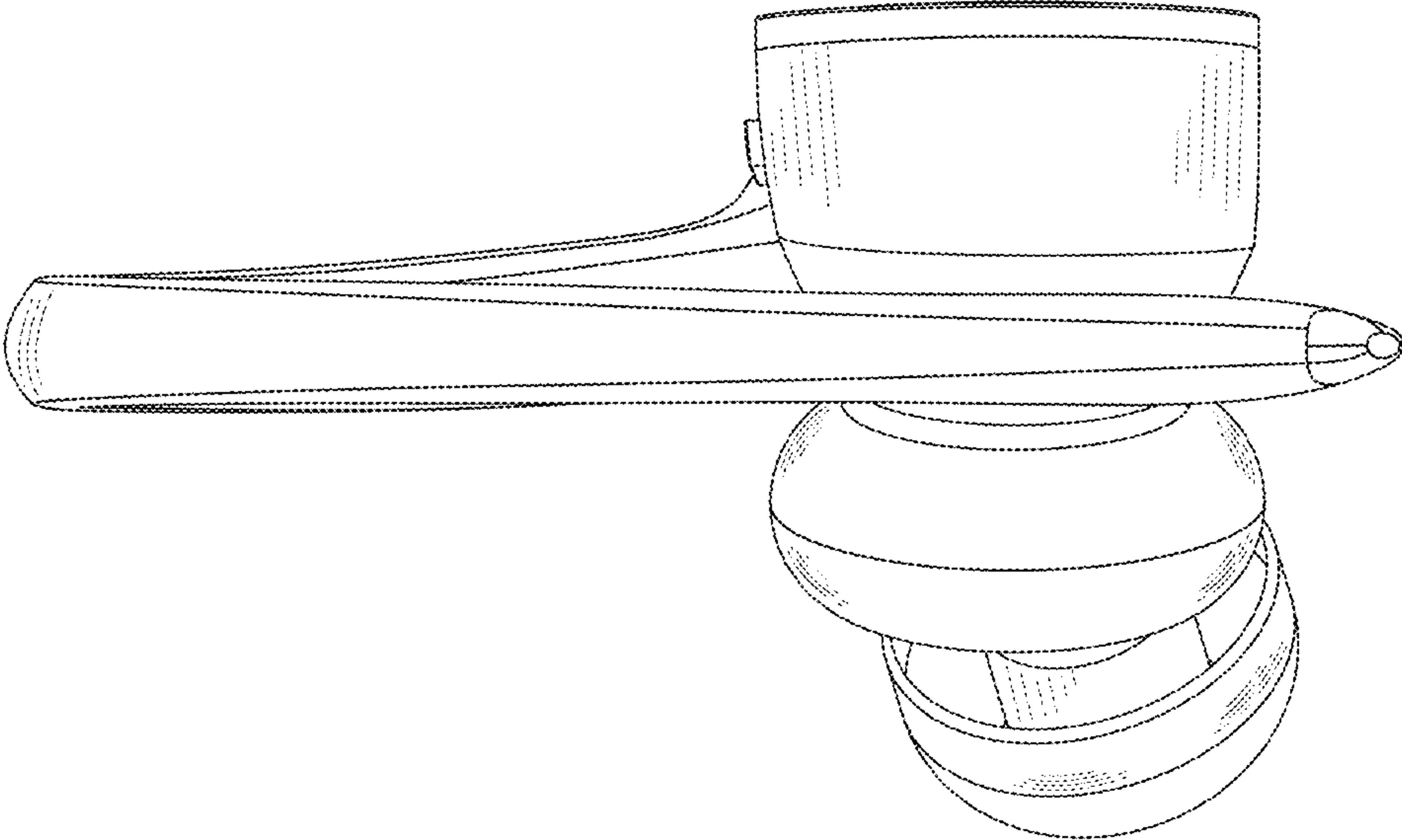


FIG. 8