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

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(54) **EARPHONE**

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
USPC ..... D14/205, 223; D24/174; 128/864, 865, 128/866; 381/380, 381, 374; 455/90.3, 455/575.1, 569.1  
CPC ..... H04R 1/10; H04R 25/00; H04R 25/02; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0335; H04R 1/105  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D618,211 S \* 6/2010 Oguro ..... D14/205  
D641,008 S \* 7/2011 Lee ..... D14/223  
D643,418 S \* 8/2011 Lee ..... D14/223  
D666,581 S \* 9/2012 Perez ..... D14/223  
D676,026 S \* 2/2013 Lee ..... D14/223  
D684,699 S \* 6/2013 Heaysman ..... D24/174

D685,481 S \* 7/2013 Heaysman ..... D24/174  
D689,843 S \* 9/2013 Lee ..... D14/205  
D694,220 S \* 11/2013 Lee ..... D14/223  
8,600,095 B2 \* 12/2013 Yuen ..... H04R 1/1041  
381/380  
8,712,087 B2 \* 4/2014 Ozawa ..... H04R 1/1016  
381/380  
8,737,669 B2 \* 5/2014 Monahan ..... A61F 11/08  
381/380  
D711,356 S \* 8/2014 Yang ..... D14/223  
D728,107 S \* 4/2015 Torres Martin ..... D24/174  
9,055,365 B2 \* 6/2015 Kelly ..... H04R 1/1016  
D735,169 S \* 7/2015 Shieh ..... D14/223  
D740,255 S \* 10/2015 Samrelius ..... D14/206  
D742,861 S \* 11/2015 Miyake ..... D14/223  
D744,456 S \* 12/2015 Pedersen ..... D14/223  
D764,445 S \* 8/2016 Czaniecki ..... D14/223

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 306531619 \* 5/2021

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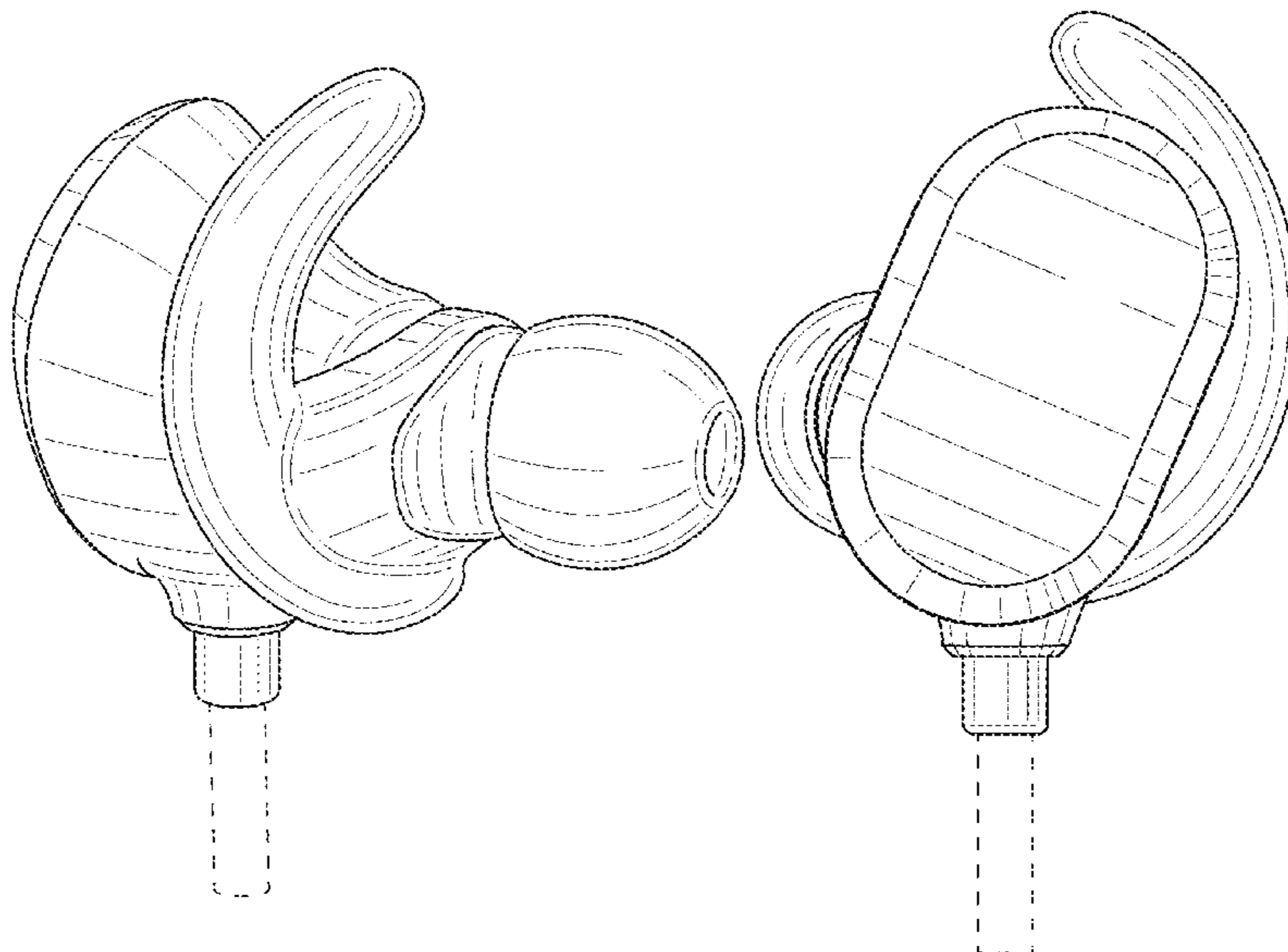
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of an earphone;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a top plan view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a left side view thereof; and,  
FIG. 7 is a right side view thereof, showing our new design.  
The broken lines are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D767,532 S *	9/2016	Jen	D14/205	D864,167 S *	10/2019	Wu	D14/223
9,532,126 B1 *	12/2016	Kelly	H04R 1/105	D868,752 S *	12/2019	Zhu	D14/223
D777,148 S *	1/2017	Samrelius	D14/223	D869,443 S *	12/2019	Sumii	D14/223
D777,149 S *	1/2017	Bonahoom	D14/223	D871,376 S *	12/2019	Zhou	D14/223
D786,216 S *	5/2017	Silva	D14/205	D873,248 S *	1/2020	Weicheng	D14/223
D788,079 S *	5/2017	Son	D14/223	D873,805 S *	1/2020	Yang	D14/223
9,736,569 B2 *	8/2017	Kelly	H04R 1/105	D874,444 S *	2/2020	Chang	D14/223
D799,452 S *	10/2017	Lee	D14/223	D876,398 S *	2/2020	Cai	D14/223
D800,703 S *	10/2017	Vaclavik	D14/223	D877,720 S *	3/2020	Madramotoo	D14/223
D801,950 S *	11/2017	Otani	D14/223	D877,721 S *	3/2020	Jung	D14/223
D803,816 S *	11/2017	Bolster	D14/223	D879,074 S *	3/2020	Komiya	D14/223
D808,879 S *	1/2018	Horbinski	D24/174	D880,457 S *	4/2020	Zhu	D14/223
D808,360 S *	1/2018	Arimoto	D14/205	D883,261 S *	5/2020	Zhang	D14/223
D809,487 S *	2/2018	Lee	D14/223	D883,262 S *	5/2020	Wu	D14/223
D812,042 S *	3/2018	Xiao	D14/223	D883,958 S *	5/2020	Liu	D14/223
D813,205 S *	3/2018	Palmborg	D14/223	D885,370 S *	5/2020	Hu	D14/223
D817,309 S *	5/2018	Czaniecki	D14/223	D885,372 S *	5/2020	Wang	D14/223
D817,933 S *	5/2018	Liu	D14/223	D887,395 S *	6/2020	Wang	D14/223
9,961,434 B2 *	5/2018	Kelly	H04R 1/1066	D901,456 S *	11/2020	Huang	D14/223
D820,239 S *	6/2018	Yoshimura	D14/223	D902,182 S *	11/2020	Wang	D14/223
D822,008 S *	7/2018	Tsubone	D14/223	D905,664 S *	12/2020	He	D14/223
D822,646 S *	7/2018	Dang	D14/223	D906,293 S *	12/2020	Williamson	D14/223
D824,359 S *	7/2018	Czaniecki	D14/205	D907,608 S *	1/2021	Xie	D14/223
D827,616 S *	9/2018	Lian	D14/223	D908,115 S *	1/2021	Mei	D14/223
D834,003 S *	11/2018	Maeda	D14/223	D912,016 S *	3/2021	Ando	D14/223
D838,693 S *	1/2019	Fu	D14/223	D918,180 S *	5/2021	Bailey	D14/223
D841,626 S *	2/2019	Tang	D14/223	D918,181 S *	5/2021	Bailey	D14/223
D843,354 S *	3/2019	Kumano	D14/223	D920,288 S *	5/2021	Vautour	D14/223
D845,281 S *	4/2019	Lee	D14/223	D921,614 S *	6/2021	Yoshimura	D14/223
D845,282 S *	4/2019	Chen	D14/223	D922,357 S *	6/2021	Yang	D14/223
D845,932 S *	4/2019	Lu	D14/223	2017/0026738 A1 *	1/2017	Tang	H04R 1/1091
D846,532 S *	4/2019	Xiao	D14/223	2018/0027318 A1 *	1/2018	Witt	H04R 1/1016
D847,126 S *	4/2019	Loermann	D14/223				381/182
D852,782 S *	7/2019	Bergman	D14/223	2018/0295437 A1 *	10/2018	Chen	H04R 1/105
D863,263 S *	10/2019	Yu	D14/223	2020/0107105 A1 *	4/2020	Feng	H04R 1/1041
				2020/0314527 A1 *	10/2020	Guo	H04R 1/1041
				2021/0076131 A1 *	3/2021	Minich	H04R 5/033

\* cited by examiner

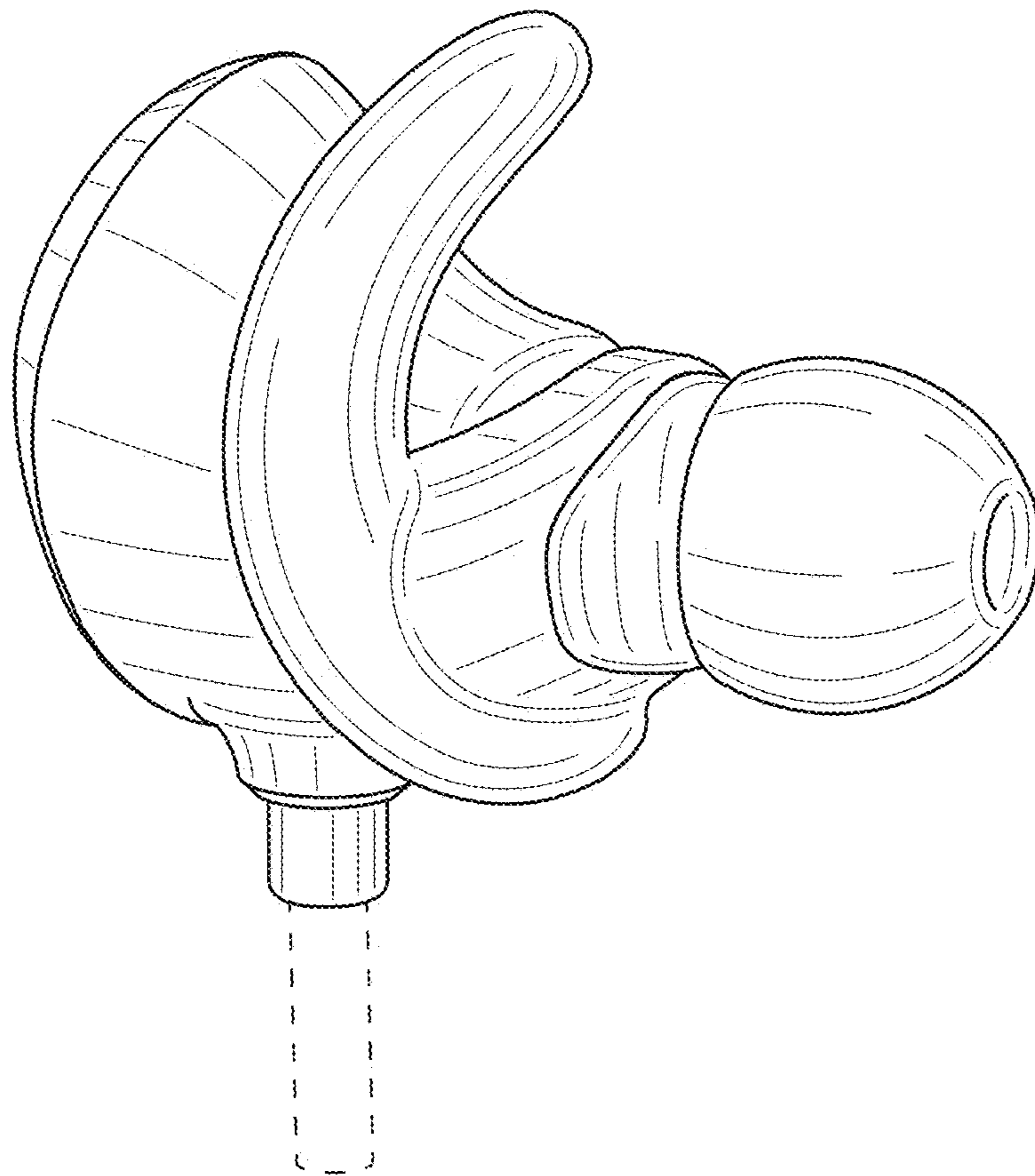


FIG. 1



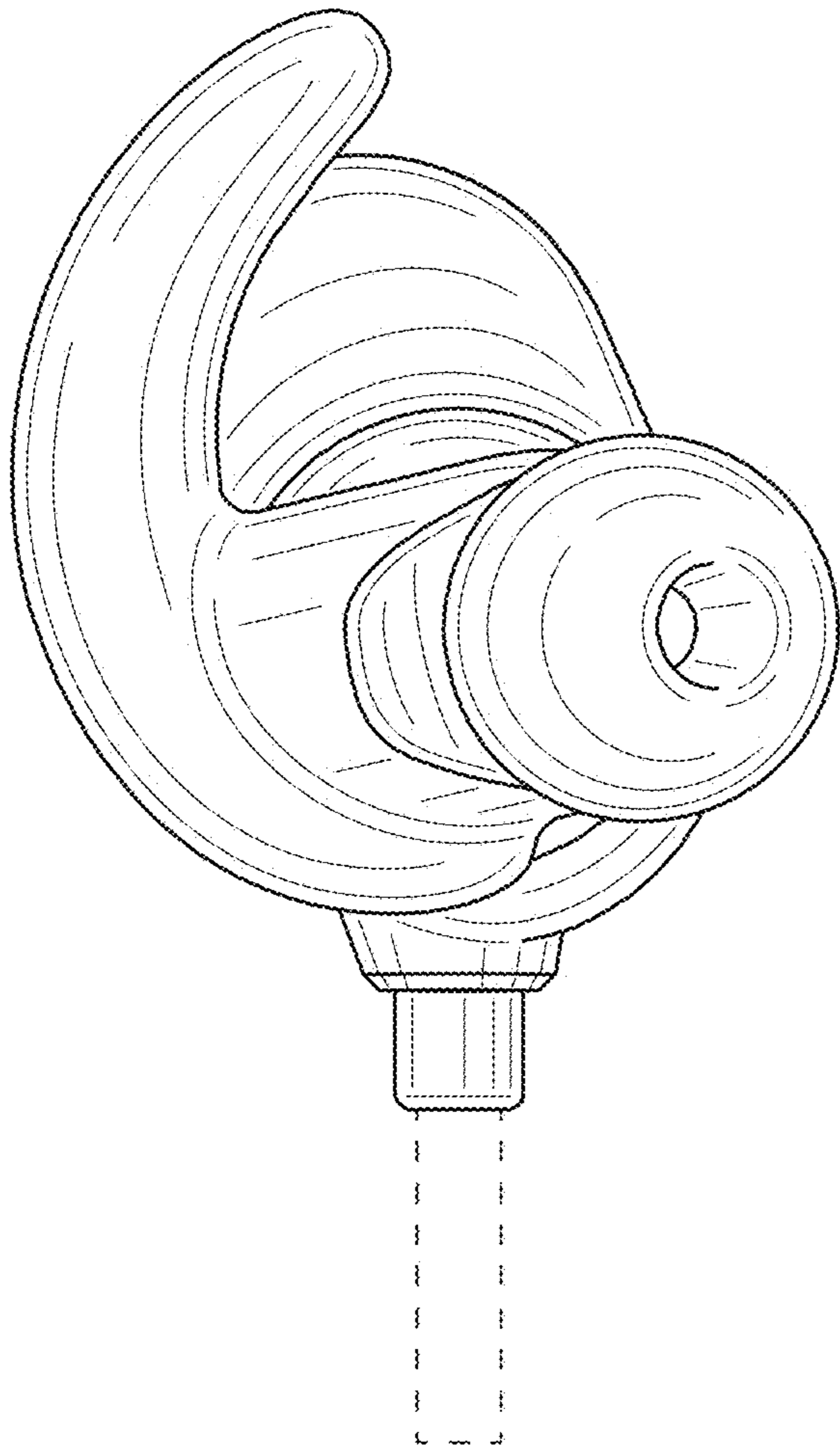


FIG. 2

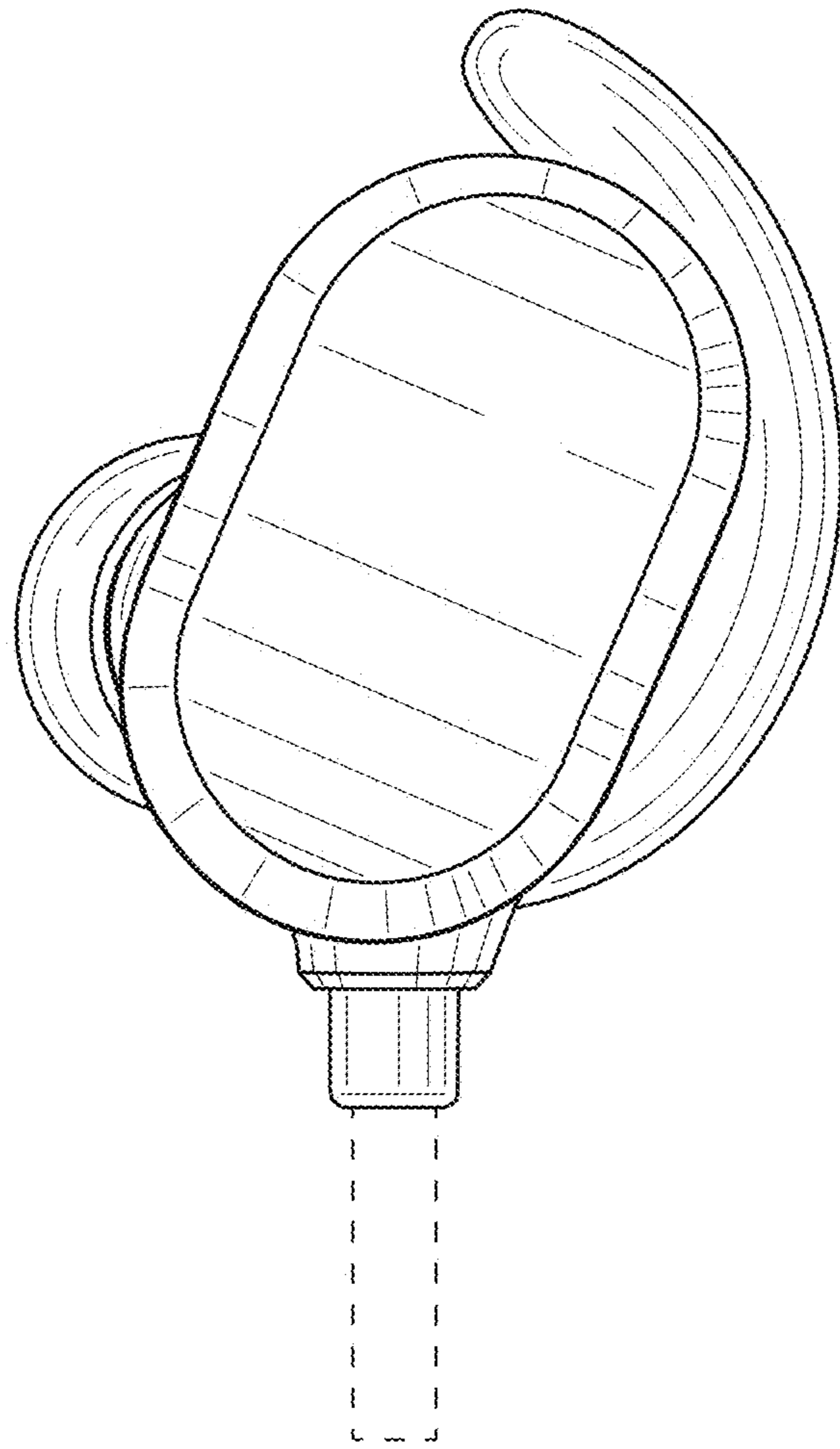


FIG. 3

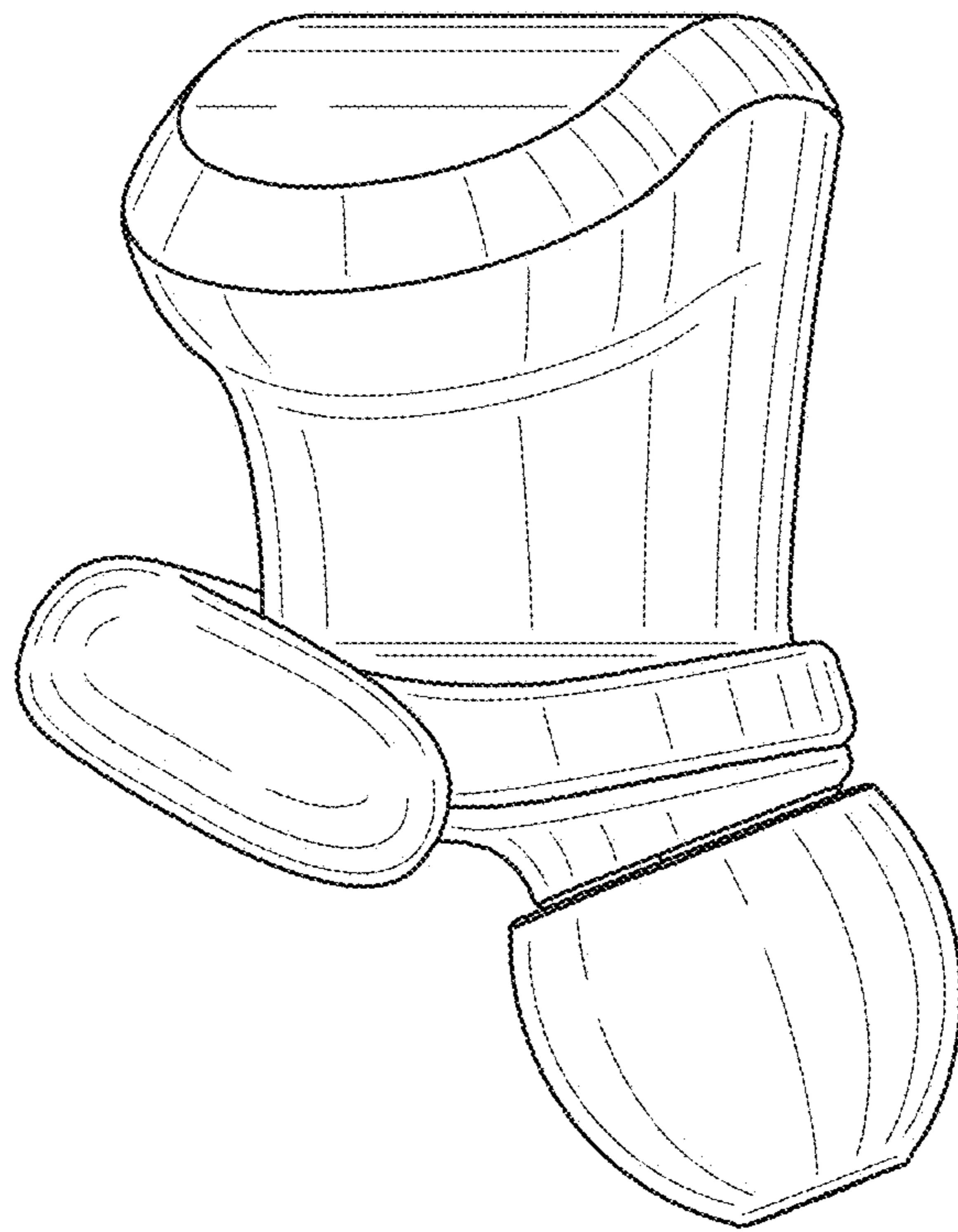


FIG. 4

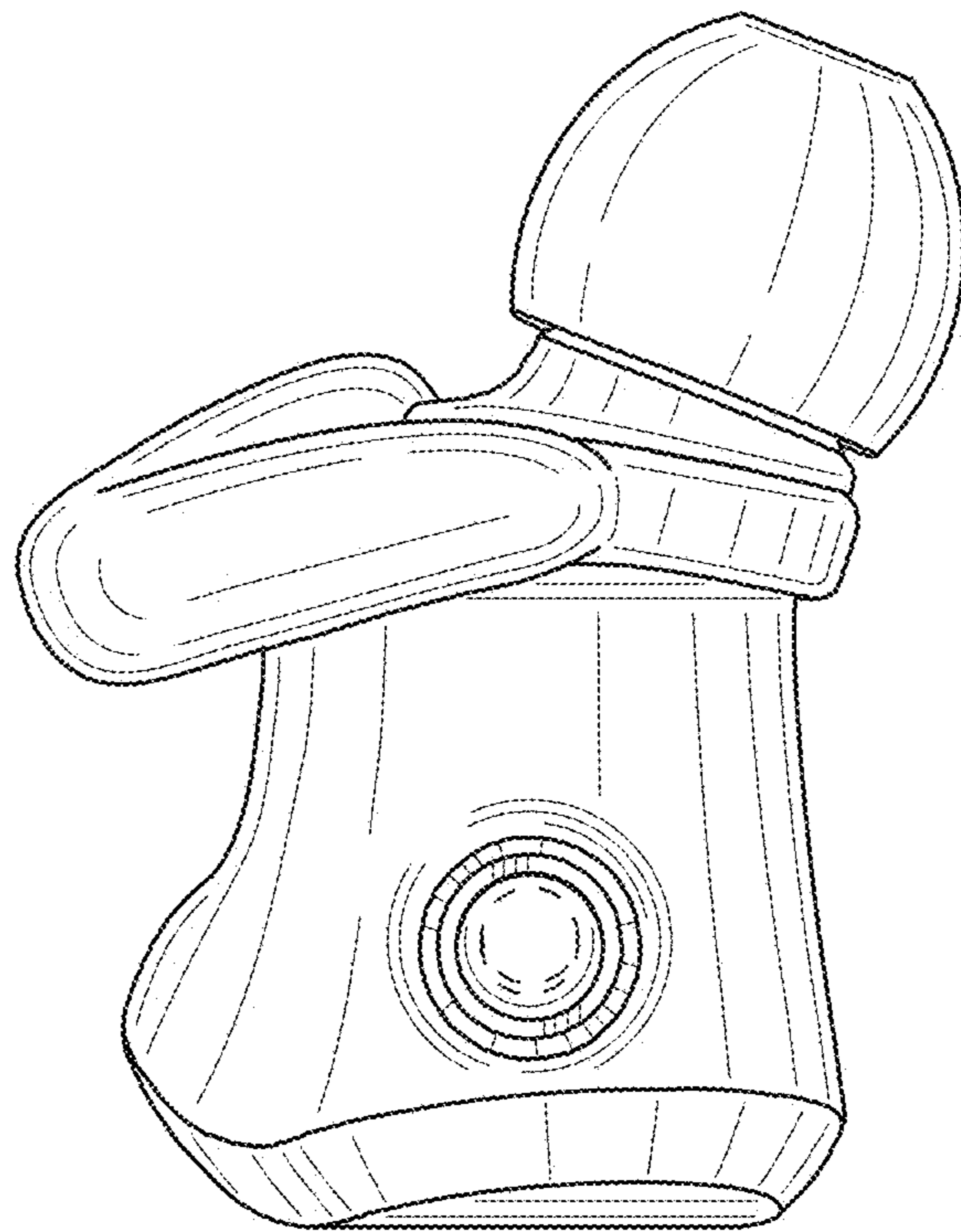


FIG. 5

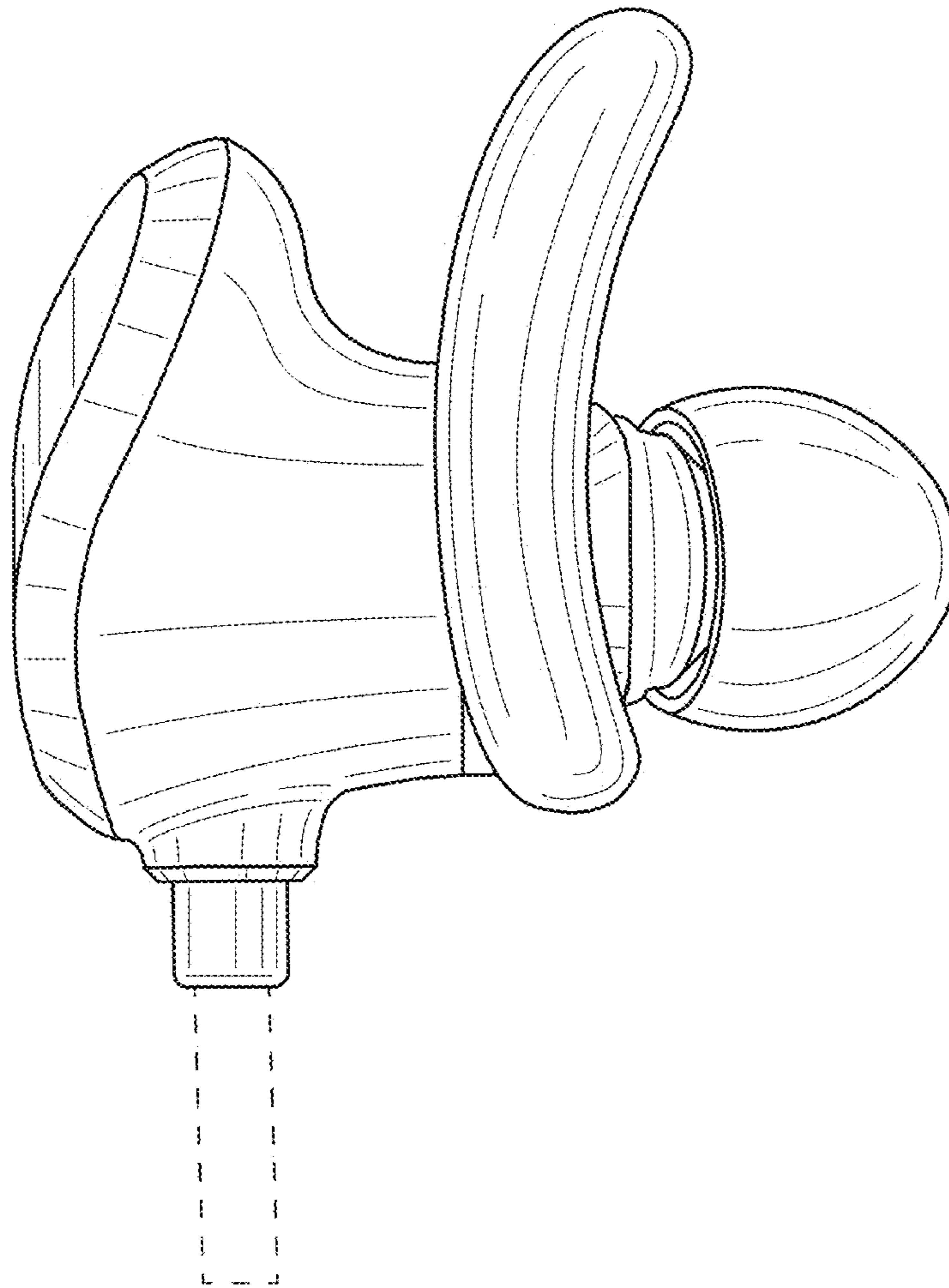


FIG. 6

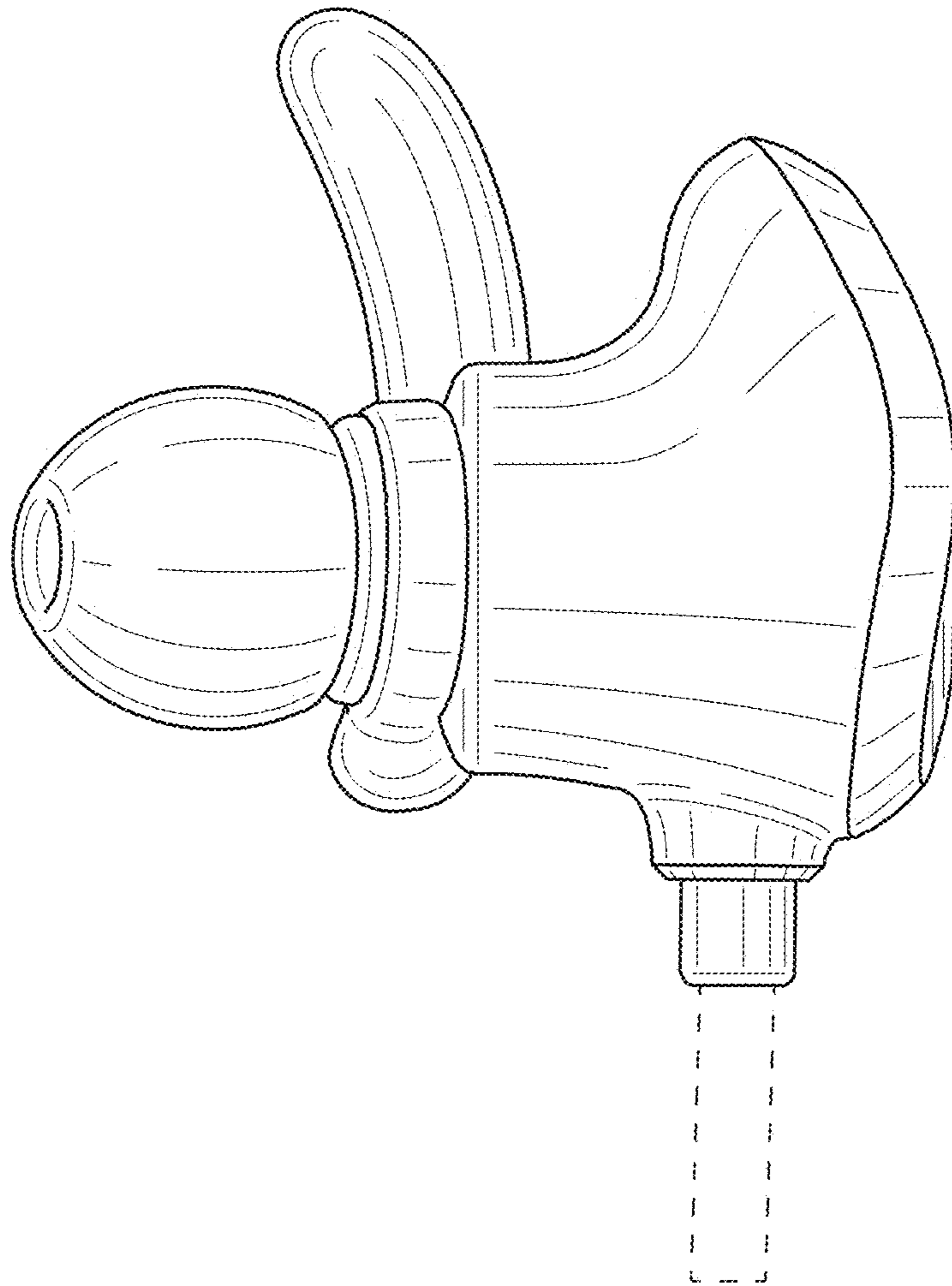


FIG. 7