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(12) **United States Design Patent** (10) **Patent No.:** **US D914,645 S**  
**Akana et al.** (45) **Date of Patent:** **\*\* Mar. 30, 2021**

(54) **EARPHONE**

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**Related U.S. Application Data**

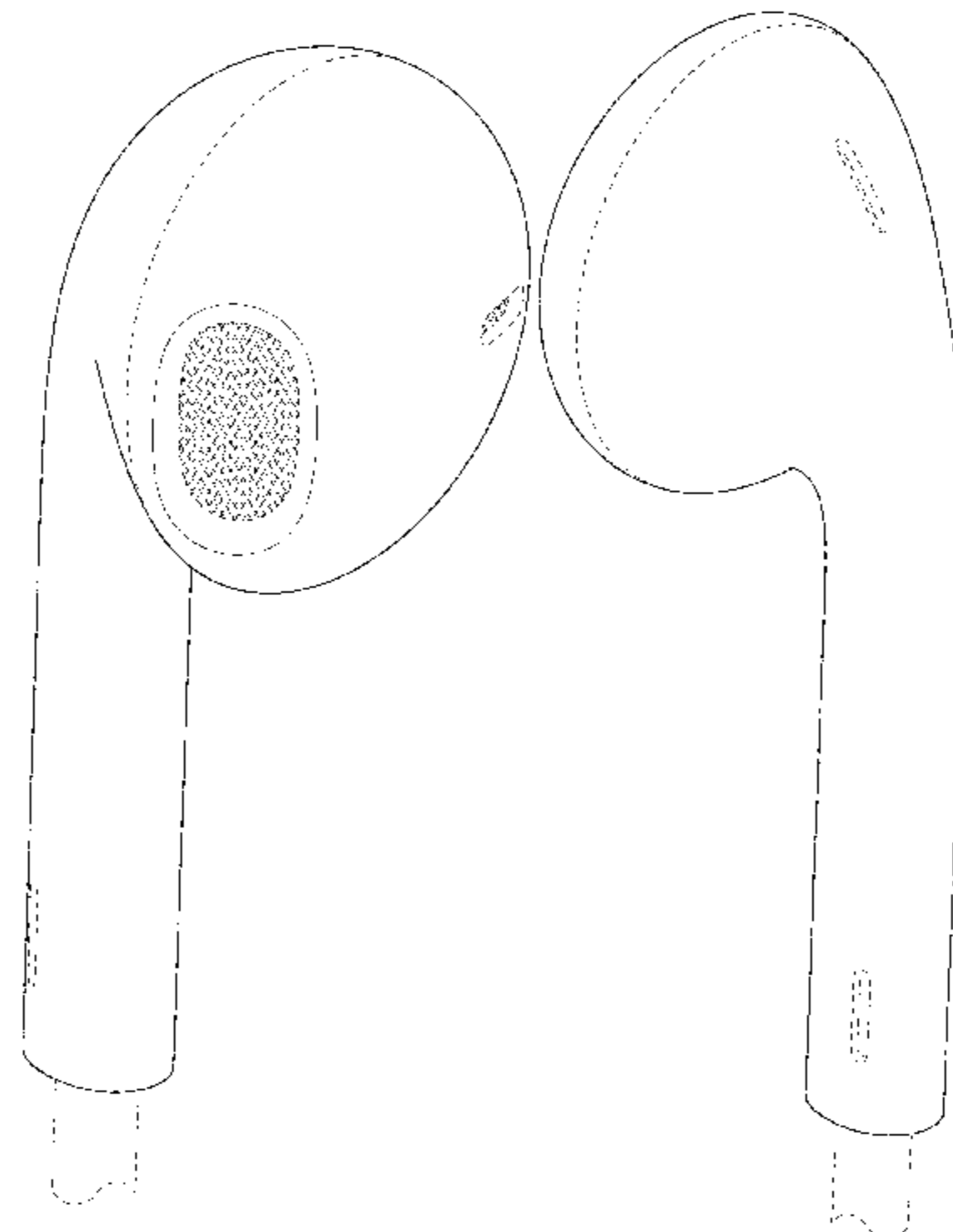
(63) Continuation of application No. 29/581,784, filed on Oct. 21, 2016, now Pat. No. Des. 867,325, which is a continuation of application No. 29/530,281, filed on Jun. 15, 2015, now Pat. No. Des. 769,849, which is a continuation of application No. 29/493,749, filed on Jun. 12, 2014, now Pat. No. Des. 732,008, which is a continuation of application No. 29/453,449, filed on Apr. 29, 2013, now Pat. No. Des. 707,206, which is a continuation of application No. 29/431,563, filed on Sep. 8, 2012, now Pat. No. Des. 681,015.

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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

4,893,344	A *	1/1990	Tragardh	.....	H04M 1/05 379/430
4,965,838	A	10/1990	Kamon et al.		
D316,550	S *	4/1991	Sogabe	.....	D14/168
D331,057	S *	11/1992	Isonaga	.....	D14/205
D331,061	S *	11/1992	Hyohgo	.....	D14/223
D337,118	S	7/1993	Seikita		
D337,589	S *	7/1993	Wada	.....	D14/223
D344,800	S *	3/1994	Lamby	.....	D24/174
D353,379	S	12/1994	Nakamura et al.		
D410,079	S *	5/1999	Falco	.....	D24/106
D463,789	S *	10/2002	DeKalb	.....	D14/223
D469,753	S *	2/2003	Andre	.....	D14/205
D479,837	S *	9/2003	Sundquist	.....	D14/228
D488,460	S *	4/2004	Alwicker	.....	D14/223
D499,397	S *	12/2004	Hlas	.....	D14/223
D505,132	S *	5/2005	Linville	.....	D14/223
D506,744	S *	6/2005	Andre	.....	D14/205
D515,070	S *	2/2006	Andre	.....	D14/205
D518,008	S *	3/2006	Peng	.....	D14/129
D523,846	S *	6/2006	Lee	.....	D14/205
D533,868	S *	12/2006	Koizumi	.....	D14/223
D540,313	S *	4/2007	Rausch	.....	D14/225
D554,109	S	10/2007	Ledbetter et al.		
D557,689	S *	12/2007	Huang	.....	D14/223
D566,687	S *	4/2008	Duarte	.....	D14/205
D568,291	S *	5/2008	Andre	.....	D14/205
D573,977	S	7/2008	Ledbetter et al.		
D575,269	S	8/2008	Ledbetter et al.		
D578,518	S *	10/2008	Ewert	.....	D14/223
D579,923	S *	11/2008	Andre	.....	D14/205
D587,677	S	3/2009	Andre et al.		
D589,028	S *	3/2009	Haapapuro	.....	D14/206
D589,491	S *	3/2009	Andre	.....	D14/205
D589,498	S *	3/2009	Komiyama	.....	D14/223



# US D914,645 S

Page 2

D590,375 S \* 4/2009 Komiyama ..... D14/223  
D593,537 S \* 6/2009 Arimoto .....  
D596,616 S \* 7/2009 Andre ..... D14/205  
D599,330 S \* 9/2009 Andre ..... D14/223  
D601,134 S \* 9/2009 Elabidi ..... D14/223  
D616,874 S \* 6/2010 Matsuoka ..... D14/223  
D618,209 S \* 6/2010 Andre ..... D14/205  
D618,210 S \* 6/2010 Andre ..... D14/205  
D618,219 S \* 6/2010 Burgett et al.  
D620,482 S \* 7/2010 Chen ..... D14/225  
D622,265 S \* 8/2010 Rye ..... D14/223  
D626,948 S \* 11/2010 Nault  
D627,766 S \* 11/2010 Arimoto ..... D14/223  
D628,193 S \* 11/2010 Zheng ..... D14/223  
D632,282 S \* 2/2011 Kitayama ..... D14/223  
D633,086 S \* 2/2011 Chen ..... D14/223  
D635,960 S \* 4/2011 Gondo ..... D14/223  
D639,279 S \* 6/2011 Andre ..... D14/223  
D641,738 S \* 7/2011 Perez ..... D14/223  
D643,416 S \* 8/2011 Chong ..... D14/223  
D652,823 S \* 1/2012 Chen  
D653,236 S \* 1/2012 Andre ..... D14/205  
D656,481 S \* 3/2012 McManigal  
D662,493 S \* 6/2012 Chen  
D662,495 S \* 6/2012 Andre ..... D14/223  
D664,523 S \* 7/2012 Naitou ..... D14/223  
D666,580 S \* 9/2012 Lee ..... D14/223  
D669,058 S \* 10/2012 Lee ..... D14/223  
D669,453 S \* 10/2012 Katsuraku ..... D14/223  
D674,781 S \* 1/2013 Sakata ..... D14/223  
D675,194 S \* 1/2013 Andre ..... D14/223  
D676,427 S \* 2/2013 Yang ..... D14/223  
8,391,533 B2 \* 3/2013 Sim ..... H04R 1/1041  
381/380  
D681,015 S \* 4/2013 Akana et al.  
D687,418 S \* 8/2013 Godfrey ..... D14/223  
D687,419 S \* 8/2013 Andre ..... D14/223  
D691,594 S \* 10/2013 Akana ..... D14/223  
D694,249 S \* 11/2013 Akana et al.  
D706,643 S \* 6/2014 Akana ..... D9/721  
D707,206 S \* 6/2014 Akana ..... H04R 1/10  
D14/223  
D712,279 S \* 9/2014 Akana ..... D9/721  
D728,553 S \* 5/2015 Kim ..... D14/250  
9,042,588 B2 \* 5/2015 Aase ..... H04R 1/1041  
381/380  
D732,007 S \* 6/2015 Oksman ..... D14/223  
D738,864 S \* 9/2015 Lee ..... D14/223  
D741,287 S \* 10/2015 Harata ..... D14/205  
D747,295 S \* 1/2016 Eastwood ..... D14/223  
D755,759 S \* 5/2016 Cai ..... D14/223  
D757,682 S \* 5/2016 Perez ..... D14/205  
D770,412 S \* 11/2016 Son ..... D14/205  
D798,844 S \* 10/2017 Nokuo ..... D14/223  
D801,314 S \* 10/2017 Akana ..... D14/223  
D820,809 S \* 6/2018 Akana ..... D14/205  
D828,823 S \* 9/2018 Lin ..... D14/223  
D828,835 S \* 9/2018 Akana ..... D14/344  
D830,345 S \* 10/2018 Cai ..... D14/223  
D847,125 S \* 4/2019 Akana ..... D14/223  
D853,995 S \* 7/2019 Cai ..... D14/223  
D867,326 S \* 11/2019 Sweet ..... D14/205  
D869,445 S \* 12/2019 Hu ..... D14/223  
RE47,915 E \* 3/2020 Akana ..... H04R 1/1016  
D14/223  
D878,045 S \* 3/2020 Akana ..... D3/274  
D878,337 S \* 3/2020 Yang ..... D14/223  
D881,849 S \* 4/2020 Aoyagi ..... D14/223  
D883,260 S \* 5/2020 Hu ..... D14/223  
D885,373 S \* 5/2020 Lundback ..... D14/223  
D887,396 S \* 6/2020 Wang ..... D14/223

D888,691 S \* 6/2020 Liu ..... D14/223  
D889,437 S \* 7/2020 Ando ..... D14/223  
D890,138 S \* 7/2020 Peng ..... D14/223  
D896,788 S \* 9/2020 Akana ..... D14/223  
D897,997 S \* 10/2020 Zhang ..... D14/223  
2012/0155692 A1 \* 6/2012 Chen ..... H04R 1/1058  
381/380  
2012/0237074 A1 9/2012 Aase  
2013/0004011 A1 \* 1/2013 Hayashida ..... H04R 1/345  
381/380  
2013/0336495 A1 \* 12/2013 Burgett ..... H04R 1/1091  
381/74  
2013/0343593 A1 \* 12/2013 Howes ..... H04R 1/20  
381/380  
2013/0343595 A1 \* 12/2013 Zorkendorfer ..... H04R 1/1016  
381/380  
2015/0382100 A1 \* 12/2015 Azmi ..... H04R 1/1091  
381/380  
2017/0164087 A1 \* 6/2017 Kurtz ..... H04R 1/1066

## FOREIGN PATENT DOCUMENTS

CA 150145 \* 10/2014  
CN 302606209 \* 10/2013  
JP 1482033 \* 9/2013

## OTHER PUBLICATIONS

“iBlink WLP3 Earbuds—100Hz-10kHz, Noise Isolation, 3.5mm Jack, LED Light (Pink), White,” TigerDirect.com, accessed at [http://www.tigerdirect.com/applications/SearchTools/item-details.asp?EdpNo=3988300&csid=\\_61](http://www.tigerdirect.com/applications/SearchTools/item-details.asp?EdpNo=3988300&csid=_61), last accessed on Jan. 31, 2013; 4 pages.

“Philips SHE2650/37 In-Ear Earbuds with Twin Vents,” ShoppingNexus.com, accessed at <http://www.shoppingnexus.com/electronics/pr/philips-she265037-in-ear-earbuds-with-twin-vents1.html>, last accessed on Jan. 31, 2013; 1 page.

\* cited by examiner

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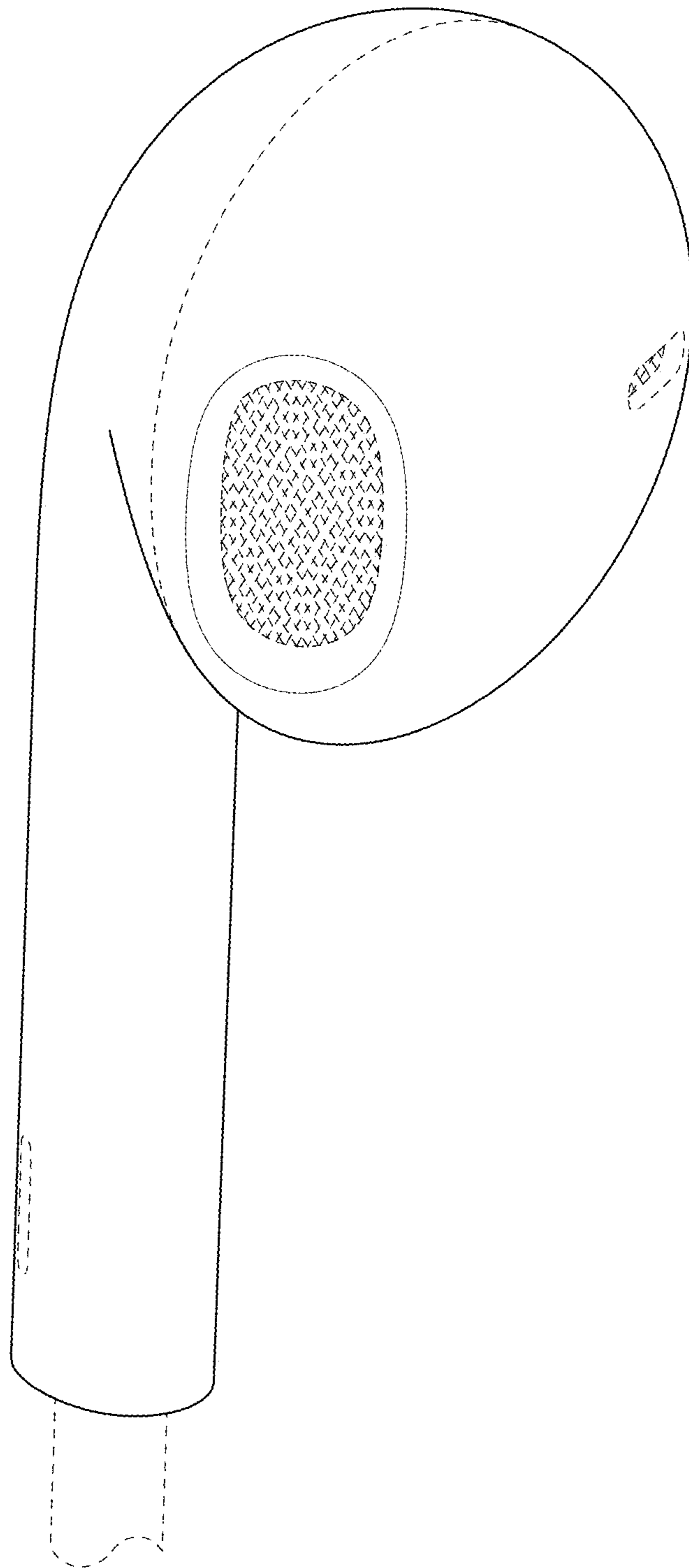
## (57) CLAIM

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

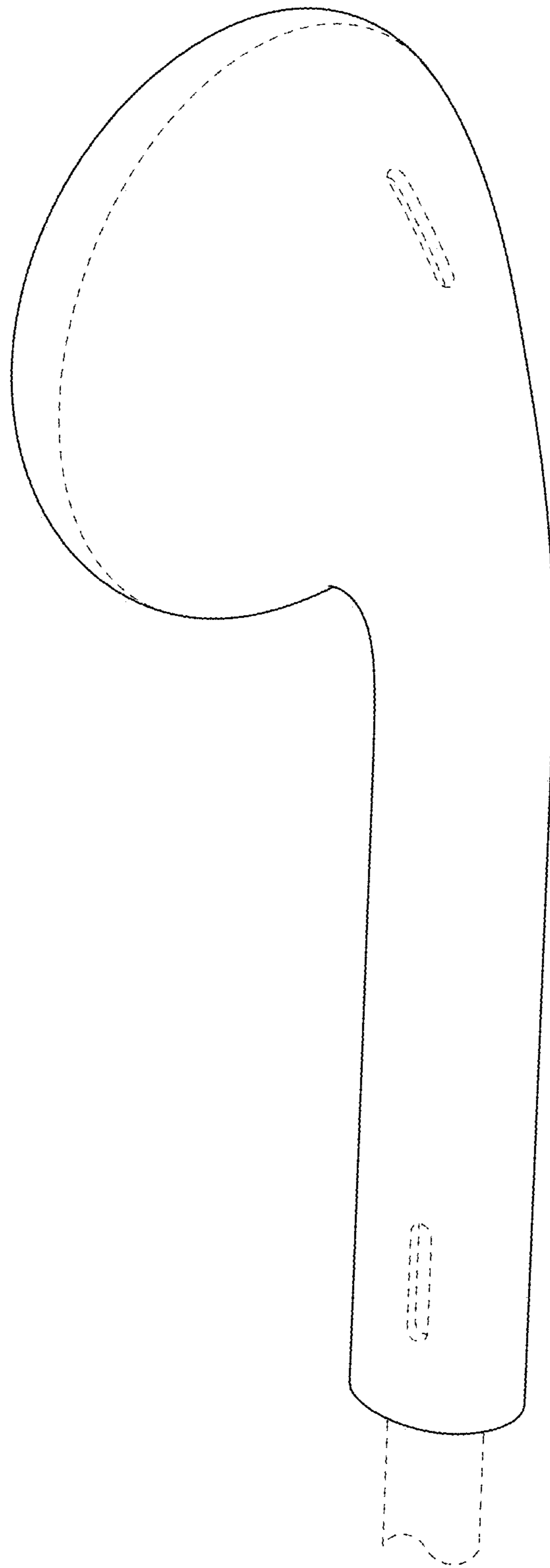
## DESCRIPTION

FIG. 1 is a front perspective view of an earphone showing the claimed design;  
FIG. 2 is a rear perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a left side view thereof;  
FIG. 7 is a top view thereof; and,  
FIG. 8 is a bottom view thereof.  
The broken lines in the figures show portions of the earphone that form no part of the claimed design.

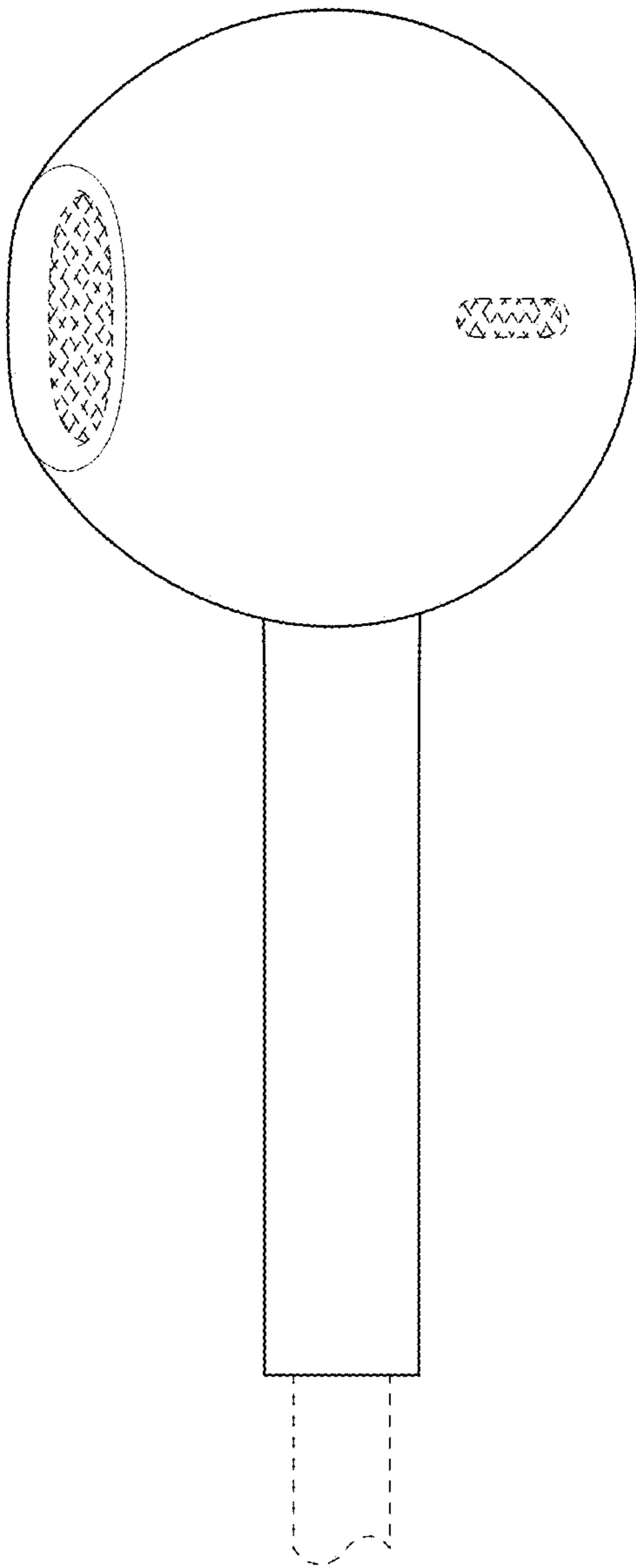
**1 Claim, 5 Drawing Sheets**



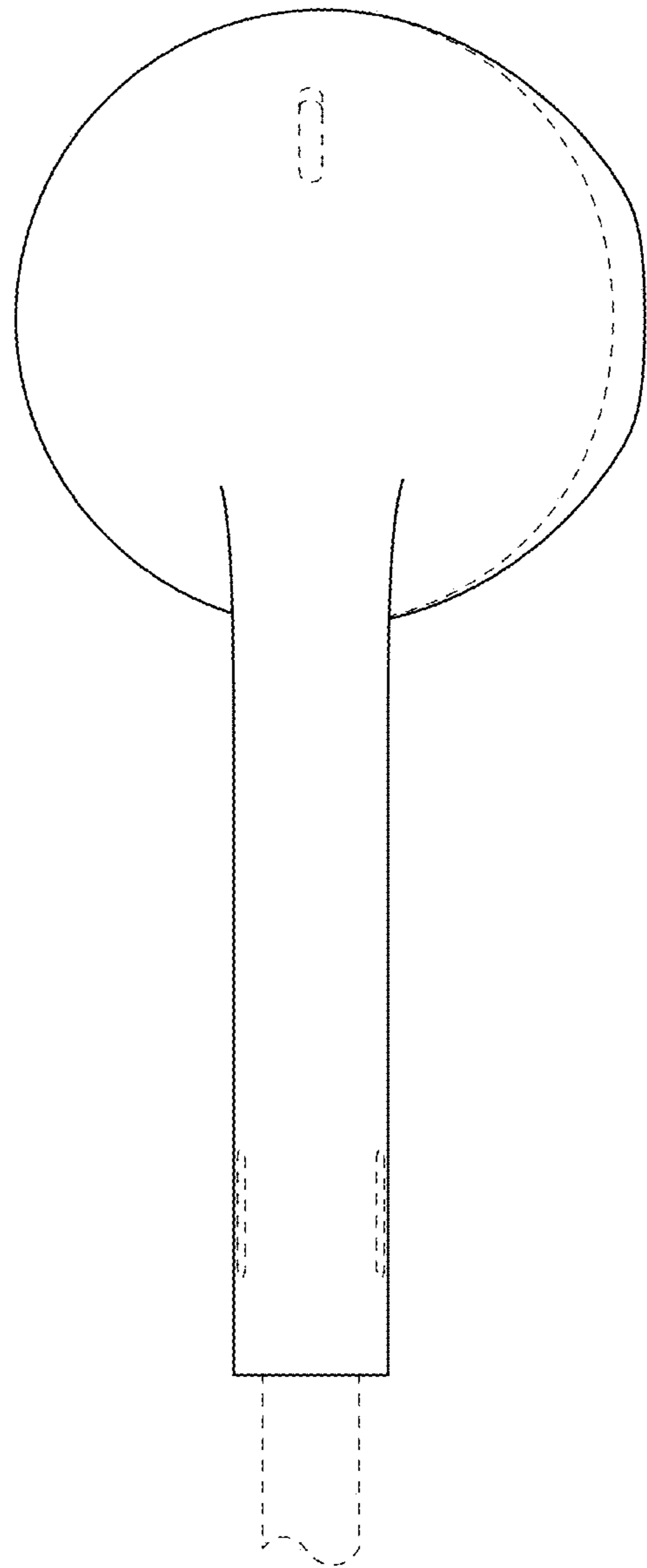
**FIG. 1**



**FIG. 2**



**FIG. 3**



**FIG. 4**

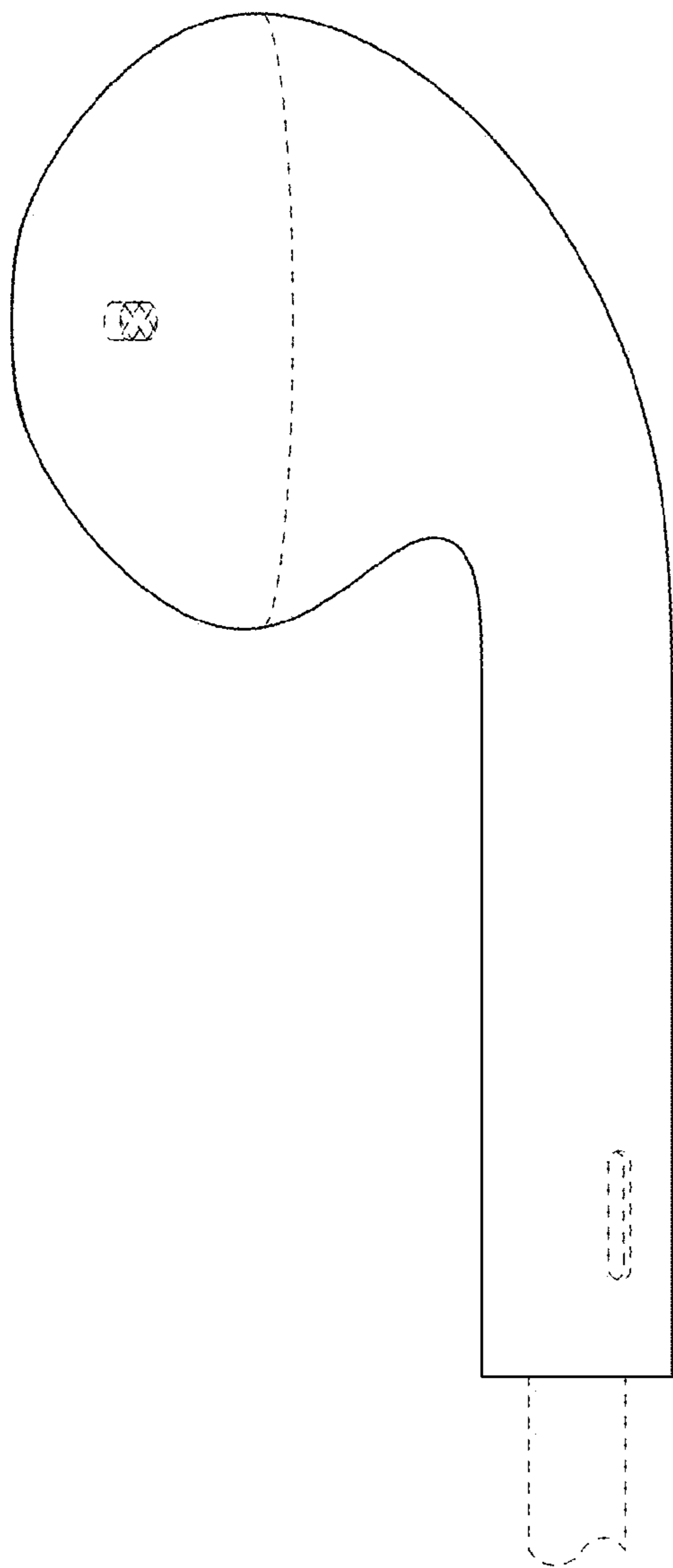


FIG. 5

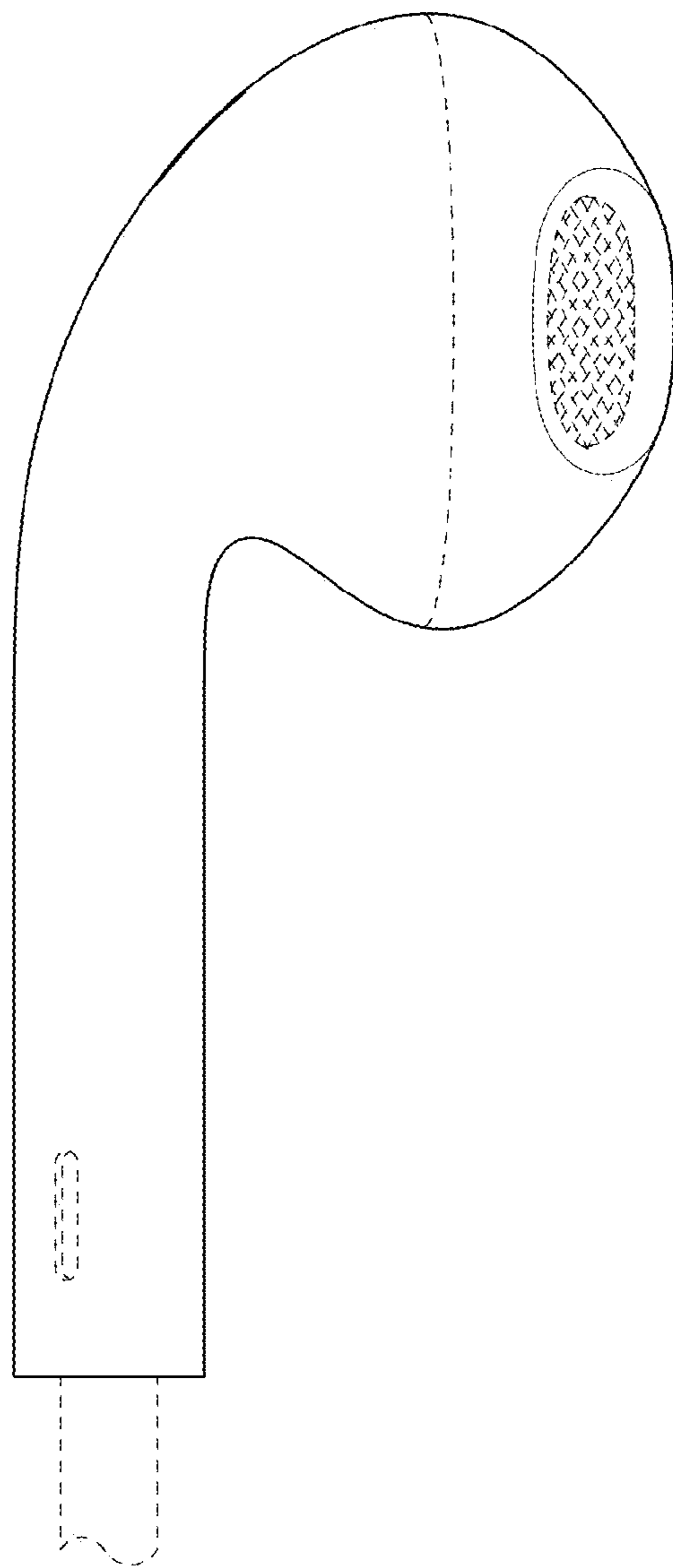
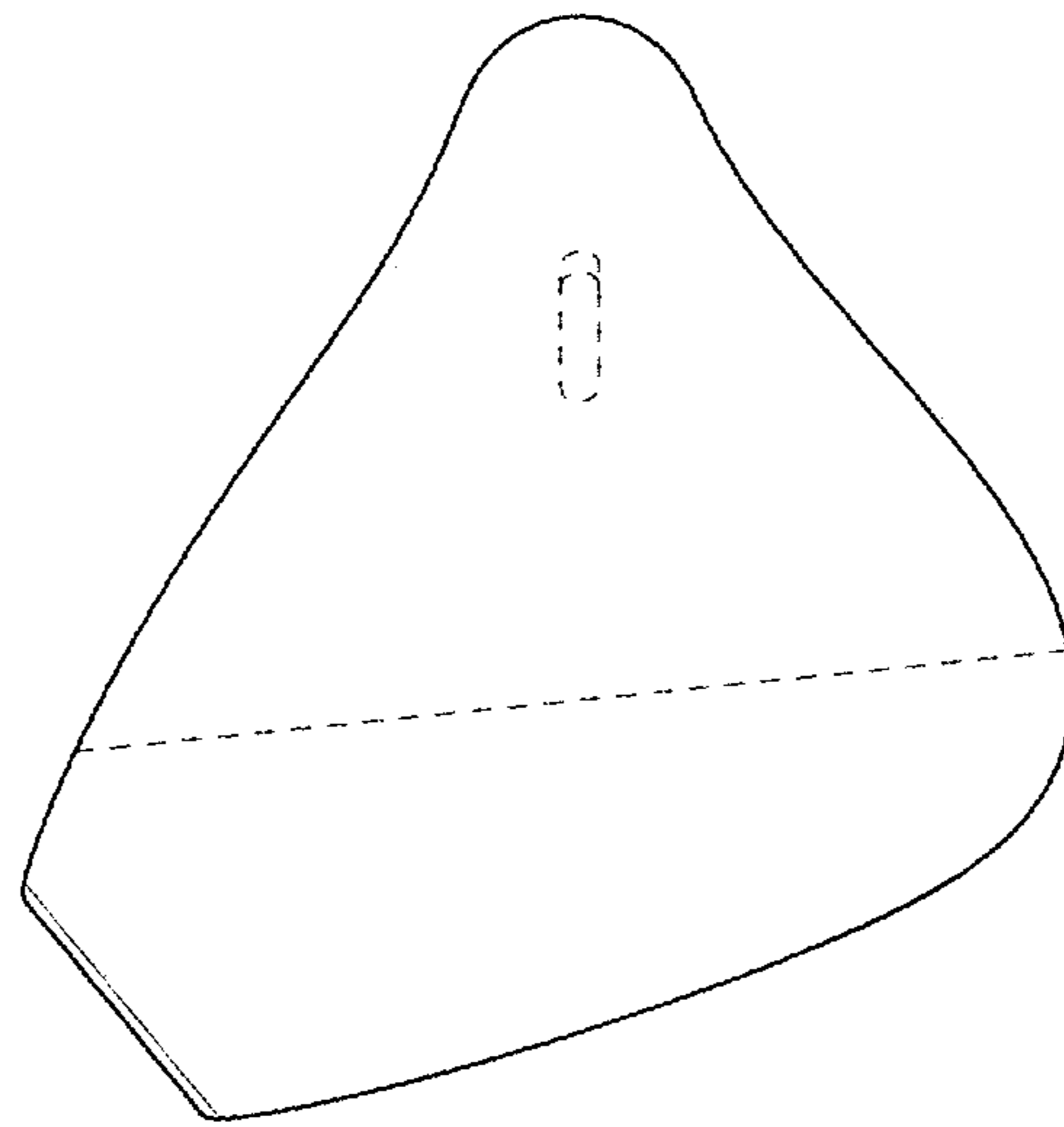
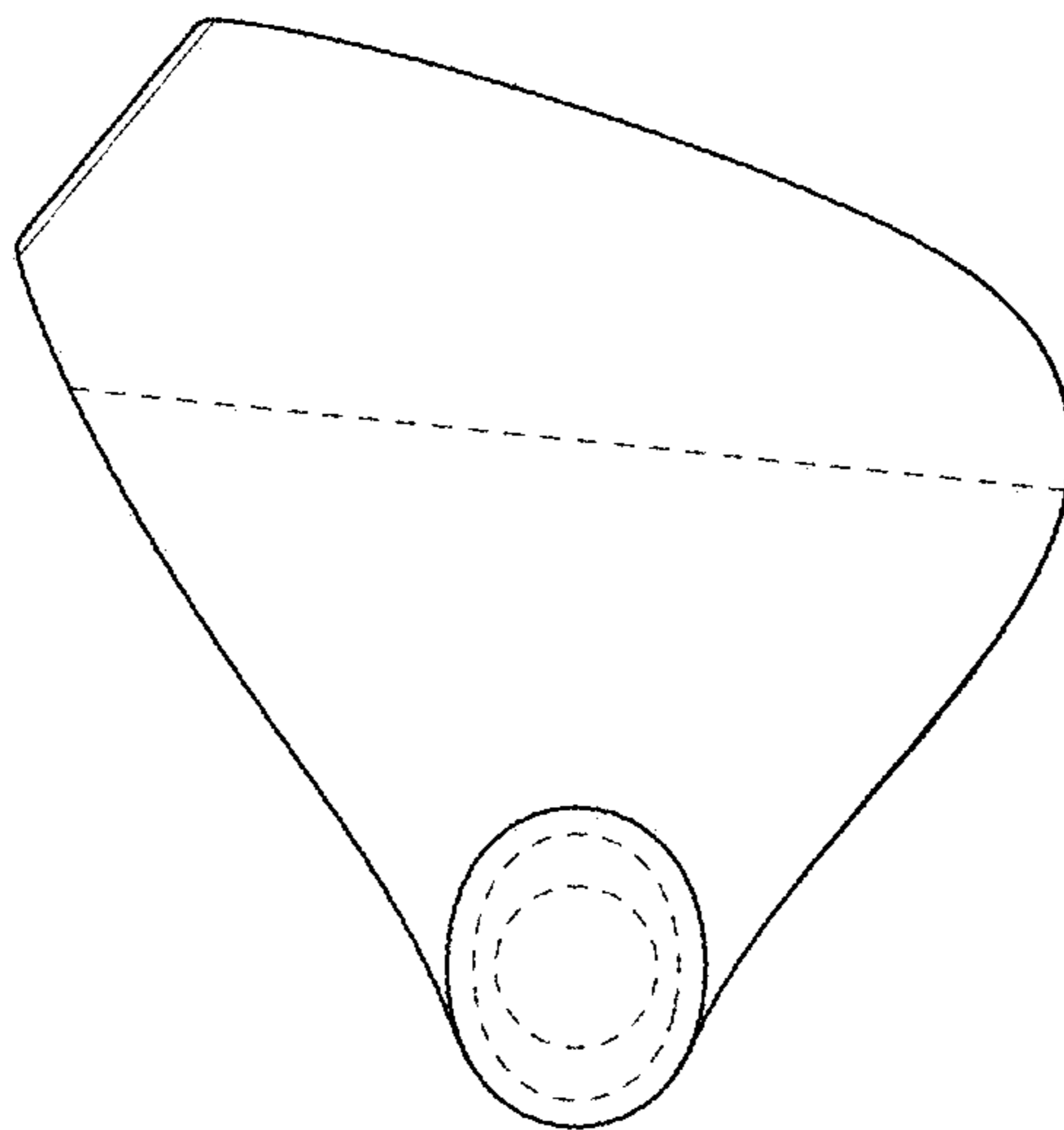


FIG. 6



**FIG. 7**



**FIG. 8**