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

(10) **Patent No.:** **US D920,293 S**

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- (54) **WIRELESS EARPHONE**
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- (73) Assignee: **SHENZHEN SIXPIPES TECHNOLOGY CO., LTD**, Shenzhen (CN)

9,042,588	B2 *	5/2015	Aase	.....	H04R 1/1041
					381/380
D733,101	S *	6/2015	Pi	.....	D14/223
D735,699	S *	8/2015	Yasuda	.....	D14/223
D742,860	S *	11/2015	Miyake	.....	D14/223
D746,792	S *	1/2016	Kim	.....	D14/205
D757,682	S *	5/2016	Perez	.....	D14/205
D762,196	S *	7/2016	Hsieh	.....	D14/223
D762,616	S *	8/2016	Hsieh	.....	D14/205
D773,435	S *	12/2016	Ott	.....	D14/205
D775,108	S *	12/2016	Hsieh	.....	D14/223
D784,298	S *	4/2017	Ozawa	.....	D14/223
D784,962	S *	4/2017	Yang	.....	D14/223

(Continued)

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

**FOREIGN PATENT DOCUMENTS**

(21) Appl. No.: **29/759,978**

EM	007471891-0001	*	1/2020
EM	008318232-0001	*	12/2020

(22) Filed: **Nov. 26, 2020**

(Continued)

(51) **LOC (13) Cl.** ..... **14-01**

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

USPC ..... **D14/223**

(58) **Field of Classification Search**

USPC ..... D14/223, 205; D24/174; 128/864, 865, 128/866; 381/380, 381, 322; 455/90.3, 455/575.1, 569.1

CPC ..... H04R 1/10; H04R 25/00; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0335; H04R 1/1091; H02J 7/00

See application file for complete search history.

*Primary Examiner* — Paula Allen Greene

(57) **CLAIM**

The ornamental design for a wireless earphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a wireless earphone 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; and,

FIG. 9 is a perspective view of the wireless earphone where the wireless earphone is received in a charging case.

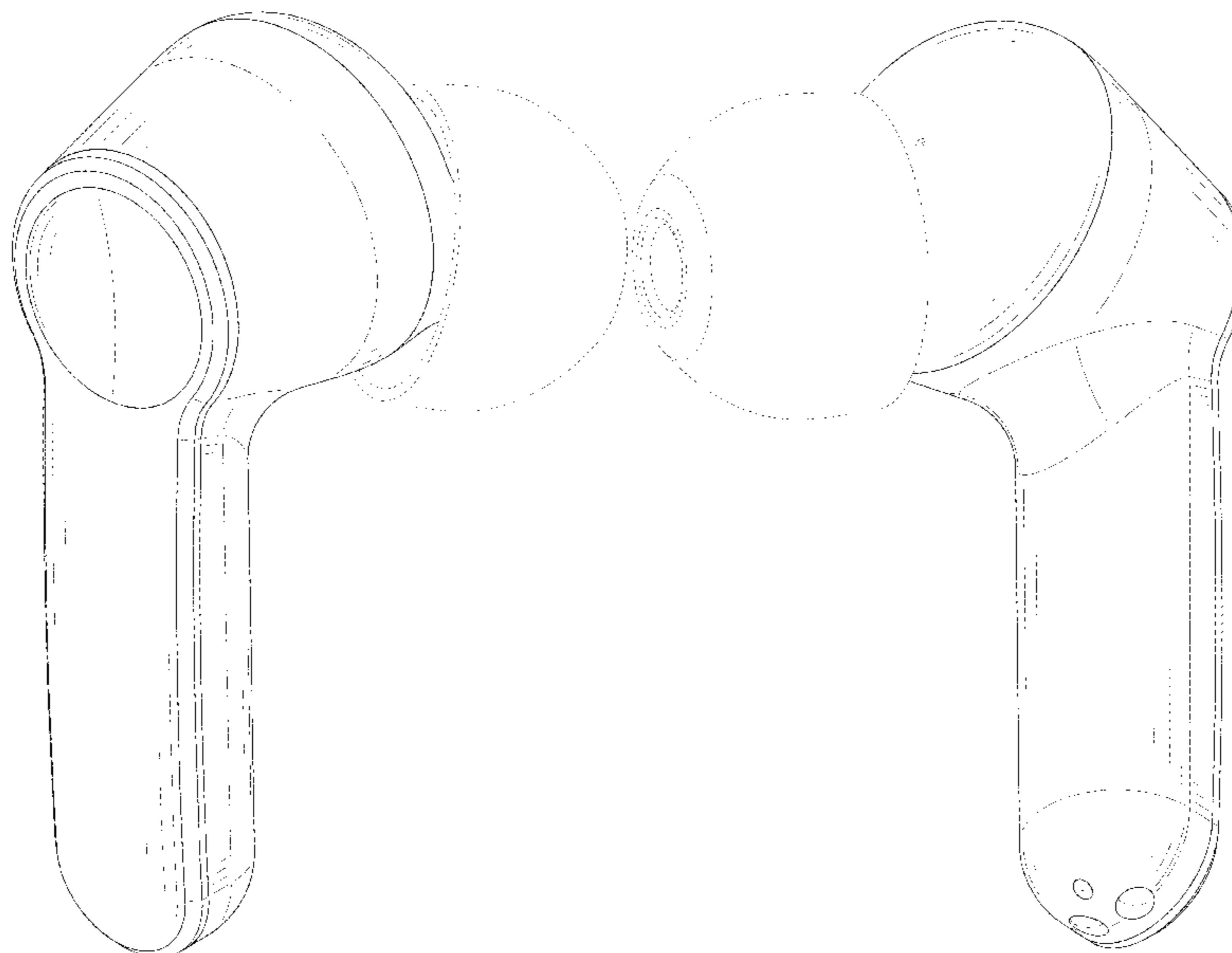
The broken lines in the drawings depict portions of the wireless earphone that form no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,410,608	A *	4/1995	Lucey	.....	H04R 1/083
					381/360
8,712,087	B2 *	4/2014	Ozawa	.....	H04R 1/1016
					381/380
8,831,266	B1 *	9/2014	Huang	.....	H04R 1/2811
					381/380
D718,284	S *	11/2014	Shibusawa	.....	D14/223
D718,286	S *	11/2014	Yang	.....	D14/223
D719,548	S *	12/2014	Thompson	.....	D14/223

**1 Claim, 9 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D800,097 S 10/2017 Chen  
 D801,314 S \* 10/2017 Akana ..... D14/223  
 D802,562 S \* 11/2017 Baba ..... D14/223  
 D803,184 S \* 11/2017 Loh Jun Kern ..... D14/205  
 D813,844 S \* 3/2018 Stiff ..... D14/223  
 D820,809 S \* 6/2018 Akana ..... D14/205  
 D822,009 S \* 7/2018 Matoba ..... D14/223  
 D829,193 S \* 9/2018 Cai ..... D14/223  
 D830,336 S \* 10/2018 Cai ..... D14/205  
 D830,345 S \* 10/2018 Cai ..... D14/223  
 D831,619 S \* 10/2018 Matoba ..... D14/223  
 D832,823 S \* 11/2018 Xiao ..... D14/223  
 D847,125 S \* 4/2019 Akana ..... D14/223  
 D847,794 S \* 5/2019 Guo ..... D14/223  
 D848,980 S \* 5/2019 Kim ..... D14/223  
 D848,982 S \* 5/2019 Kim ..... D14/223  
 D853,995 S \* 7/2019 Cai ..... D14/223  
 D861,647 S \* 10/2019 Chen ..... D14/223  
 D864,165 S \* 10/2019 Roberts ..... D14/223  
 D864,169 S \* 10/2019 Min ..... D14/223  
 D869,445 S \* 12/2019 Hu ..... D14/223  
 D871,376 S 12/2019 Zhou  
 D873,805 S 1/2020 Yang et al.  
 D877,722 S \* 3/2020 Yang ..... D14/223  
 D878,337 S \* 3/2020 Yang ..... D14/223  
 D883,260 S \* 5/2020 Hu ..... D14/223  
 D883,960 S \* 5/2020 Du ..... D14/223  
 D884,682 S \* 5/2020 Du ..... D14/223  
 D885,373 S \* 5/2020 Lundback ..... D14/223  
 D887,396 S \* 6/2020 Wang ..... D14/223

D888,690 S \* 6/2020 Yan ..... 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  
 D890,724 S \* 7/2020 Li ..... D14/223  
 D893,462 S \* 8/2020 Liu ..... D14/223  
 D895,579 S \* 9/2020 Yang ..... D14/223  
 D895,582 S \* 9/2020 Wu ..... D14/223  
 D896,206 S \* 9/2020 Xu ..... D14/223  
 D896,207 S \* 9/2020 He ..... D14/223  
 D897,997 S \* 10/2020 Zhang ..... D14/223  
 D897,998 S \* 10/2020 Ma ..... D14/223  
 D903,639 S \* 12/2020 Yang ..... D14/223  
 D905,018 S \* 12/2020 Zhu ..... D14/223  
 D907,008 S \* 1/2021 Yao ..... D14/223  
 D910,600 S \* 2/2021 Zhang ..... D14/223  
 D911,315 S \* 2/2021 Hutchison ..... D14/223  
 D914,647 S \* 3/2021 Yang ..... D14/223  
 D914,648 S \* 3/2021 Zhou ..... D14/223  
 D914,649 S \* 3/2021 Chen ..... D14/223  
 D914,652 S \* 3/2021 Chen ..... D14/223  
 2017/0026738 A1 \* 1/2017 Tang ..... H04R 1/1091  
 2020/0068283 A1 \* 2/2020 Chou ..... H04R 1/1025  
 2020/0177986 A1 \* 6/2020 Wen ..... H04R 1/1083  
 2020/0314527 A1 \* 10/2020 Guo ..... H04R 1/1041  
 2021/0014603 A1 \* 1/2021 Wei ..... G06F 3/044

FOREIGN PATENT DOCUMENTS

EM 008320691-0001 \* 12/2020  
 EM 008450167-0002 \* 3/2021

\* cited by examiner

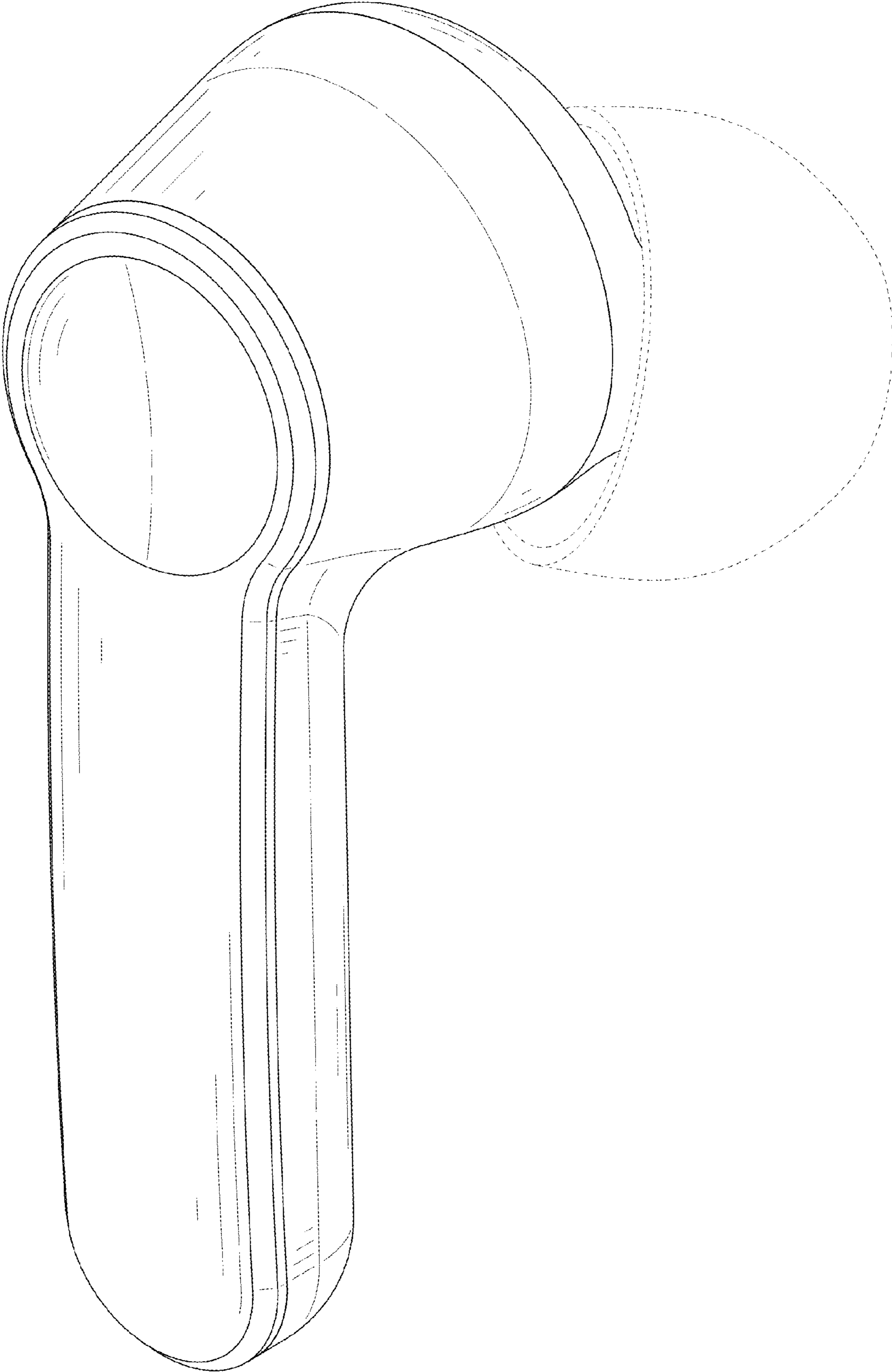


FIG. 1

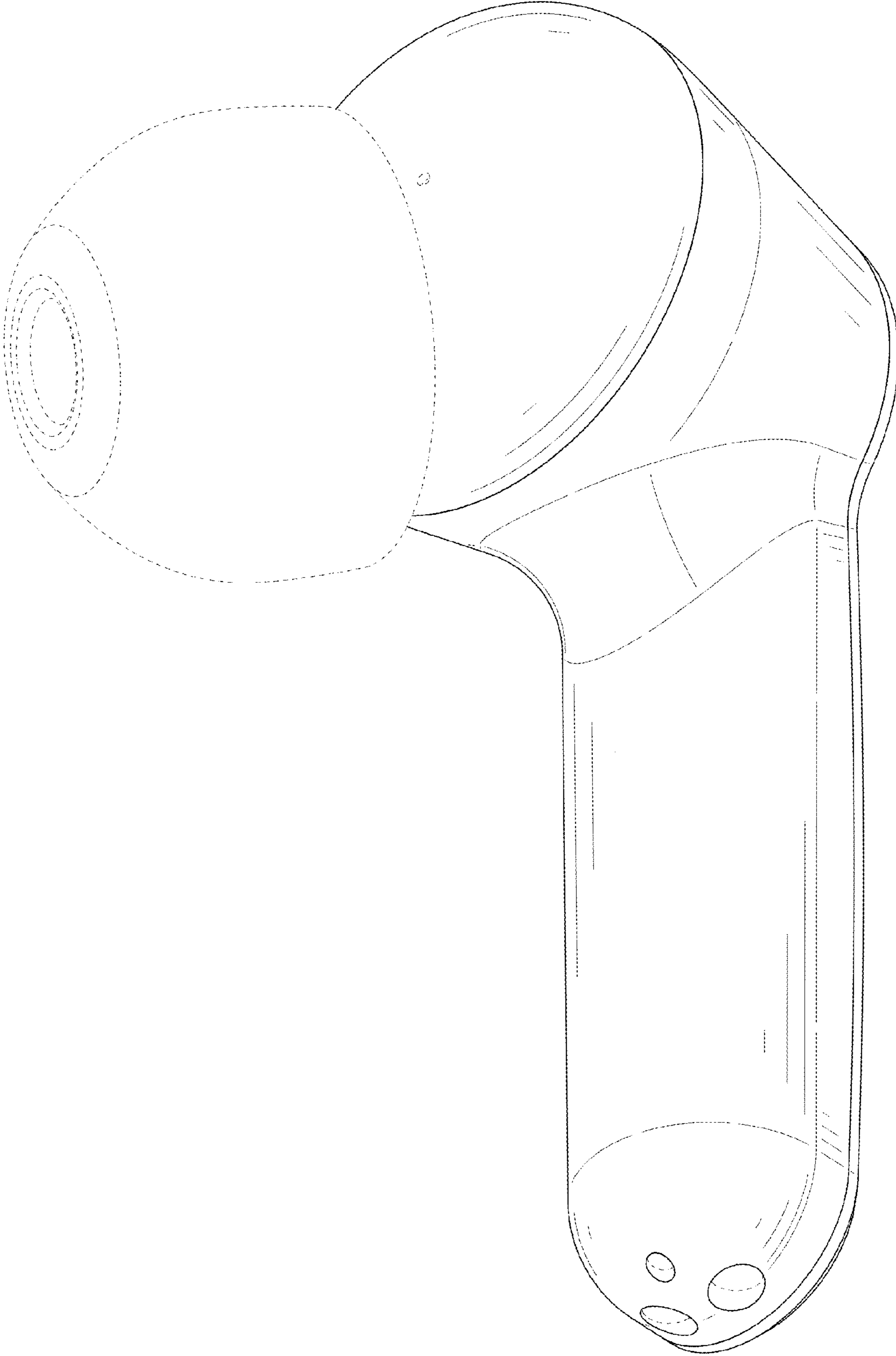


FIG. 2

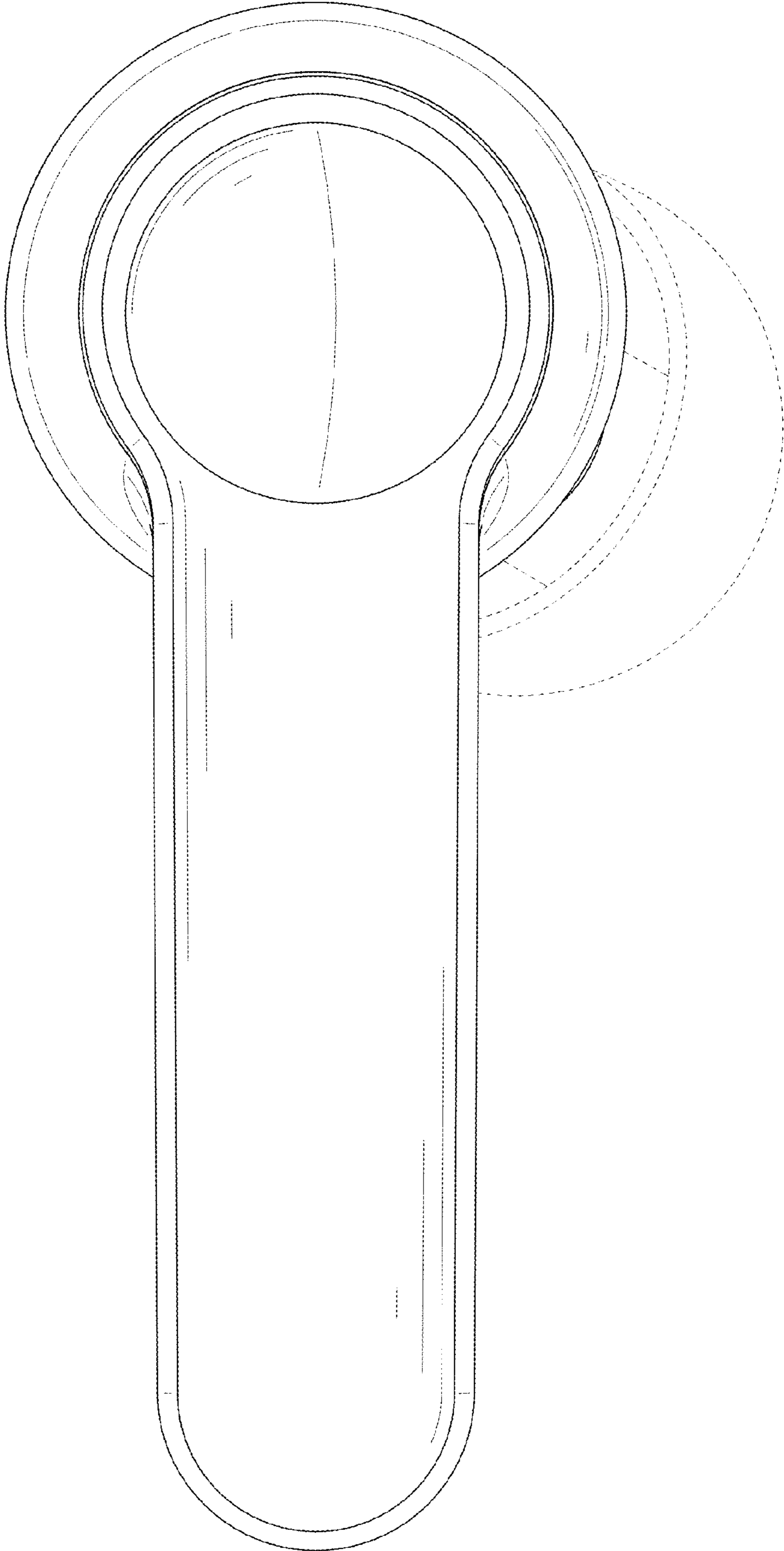


FIG. 3

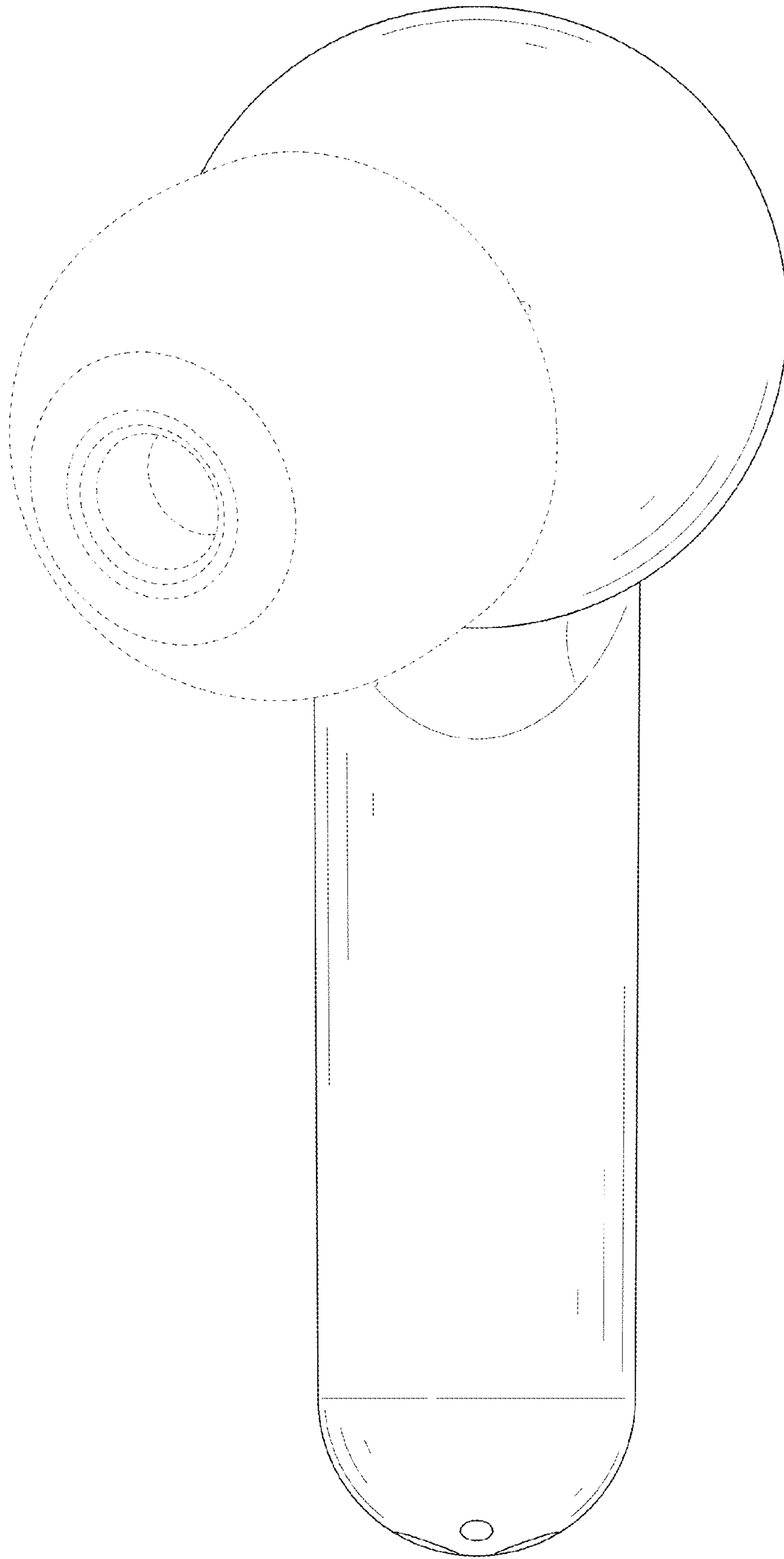


FIG. 4

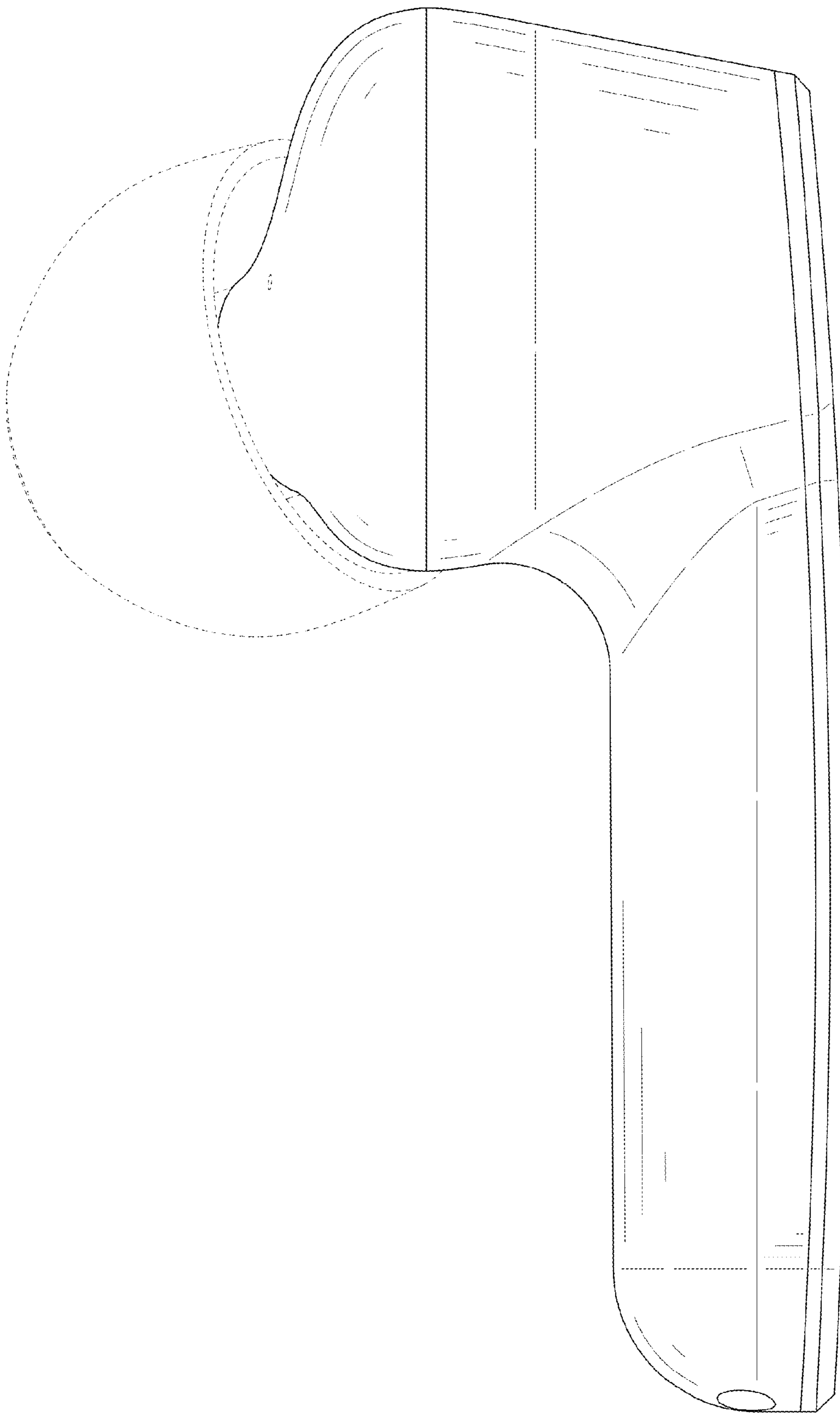


FIG. 5

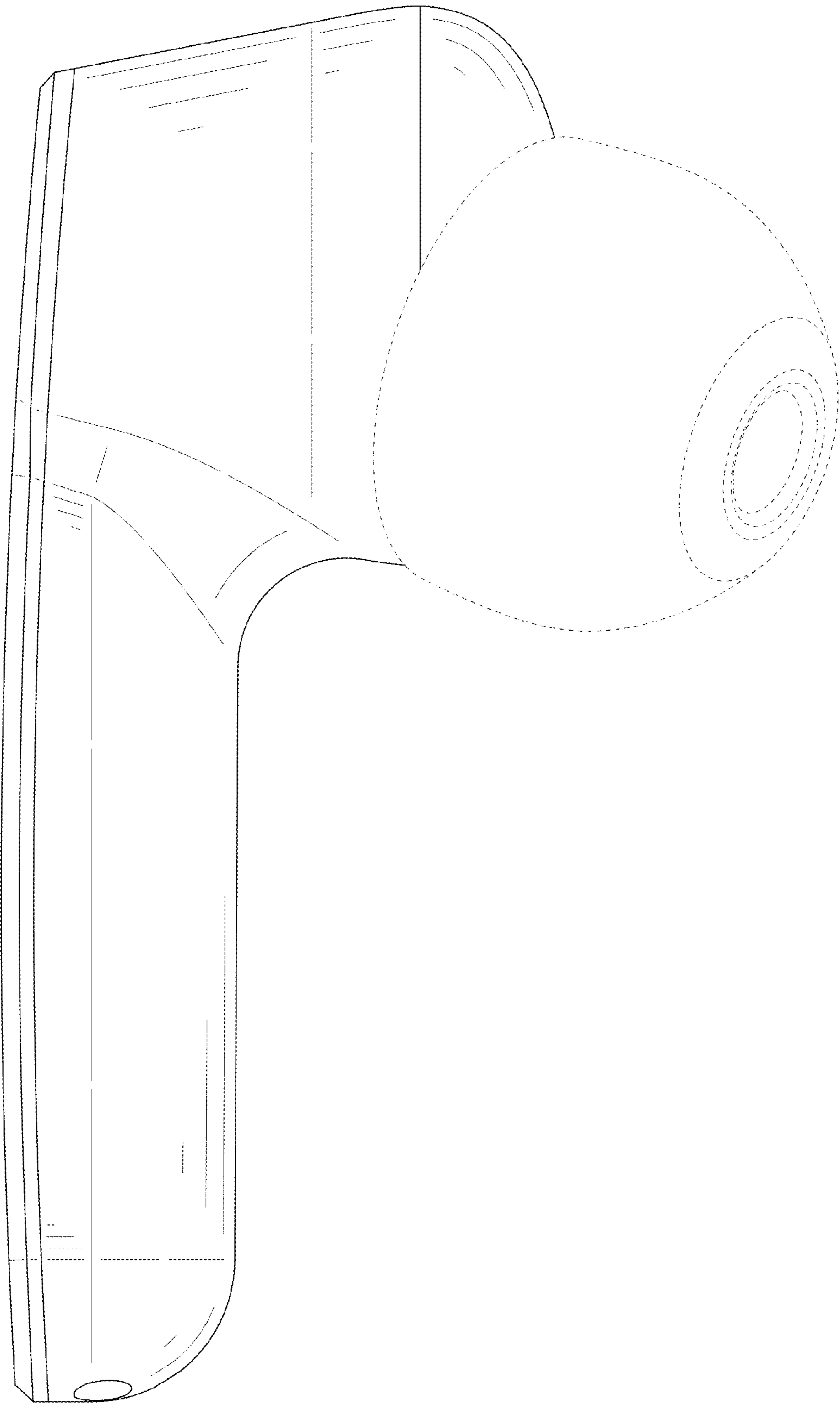


FIG. 6



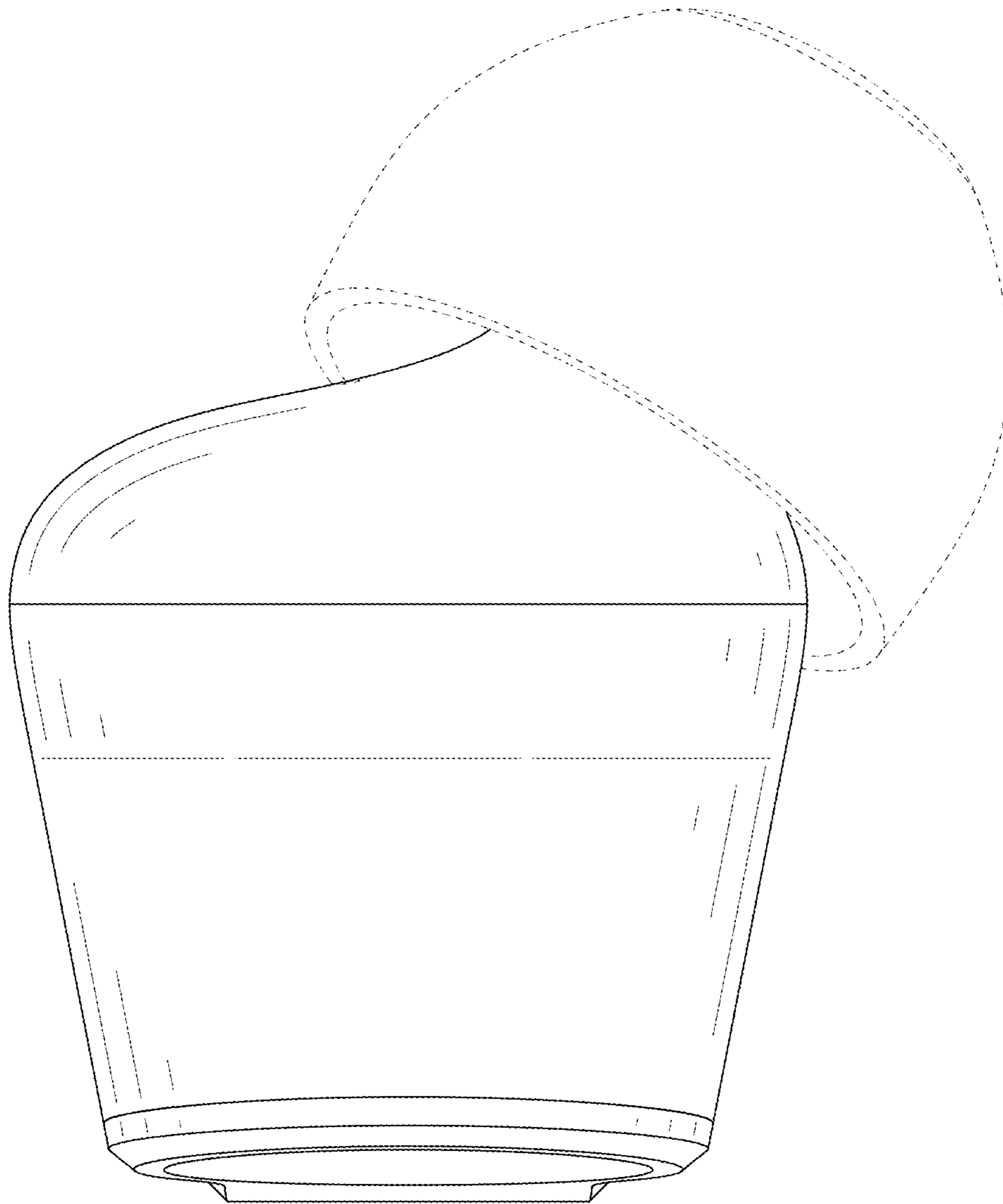


FIG. 7

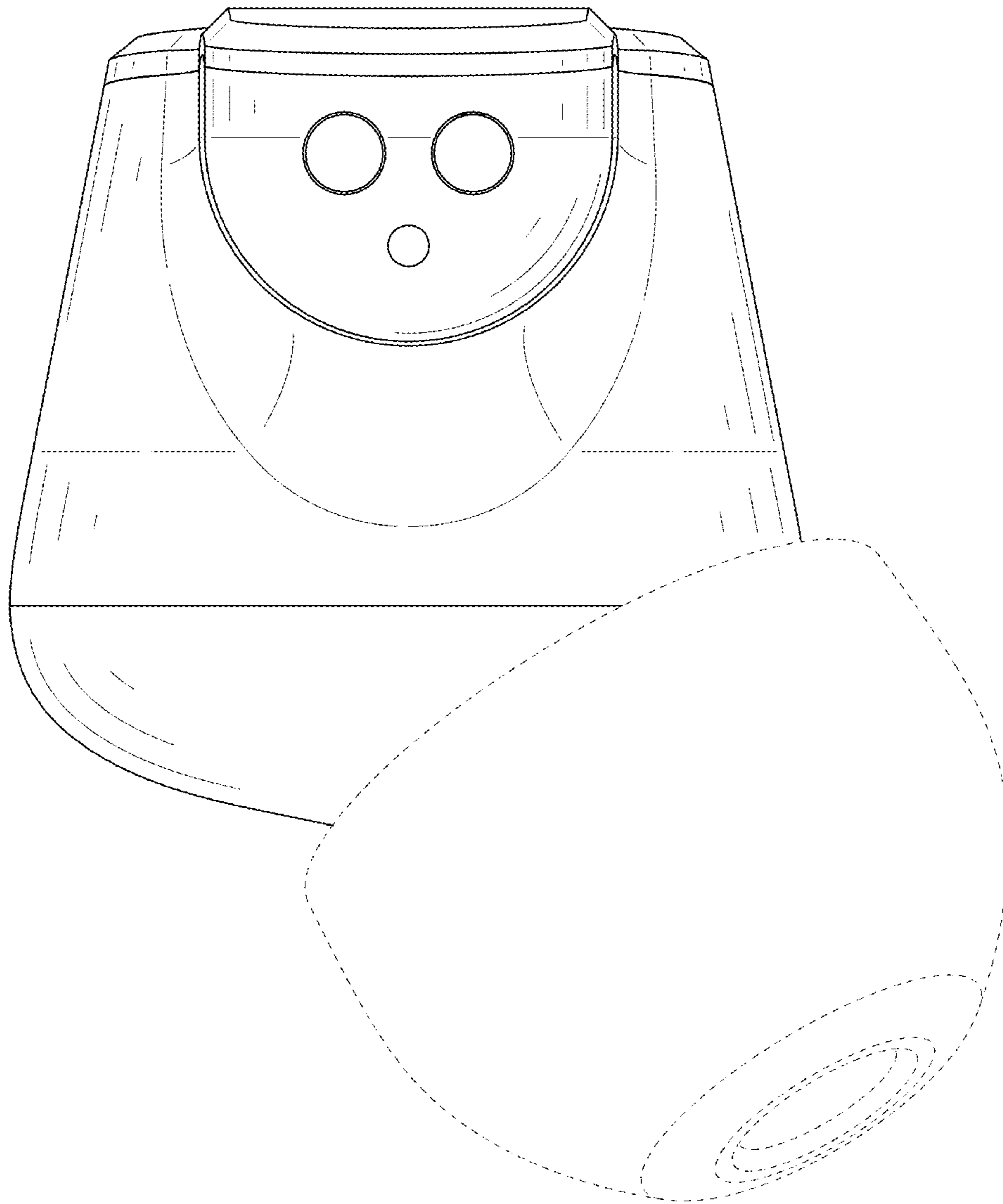


FIG. 8

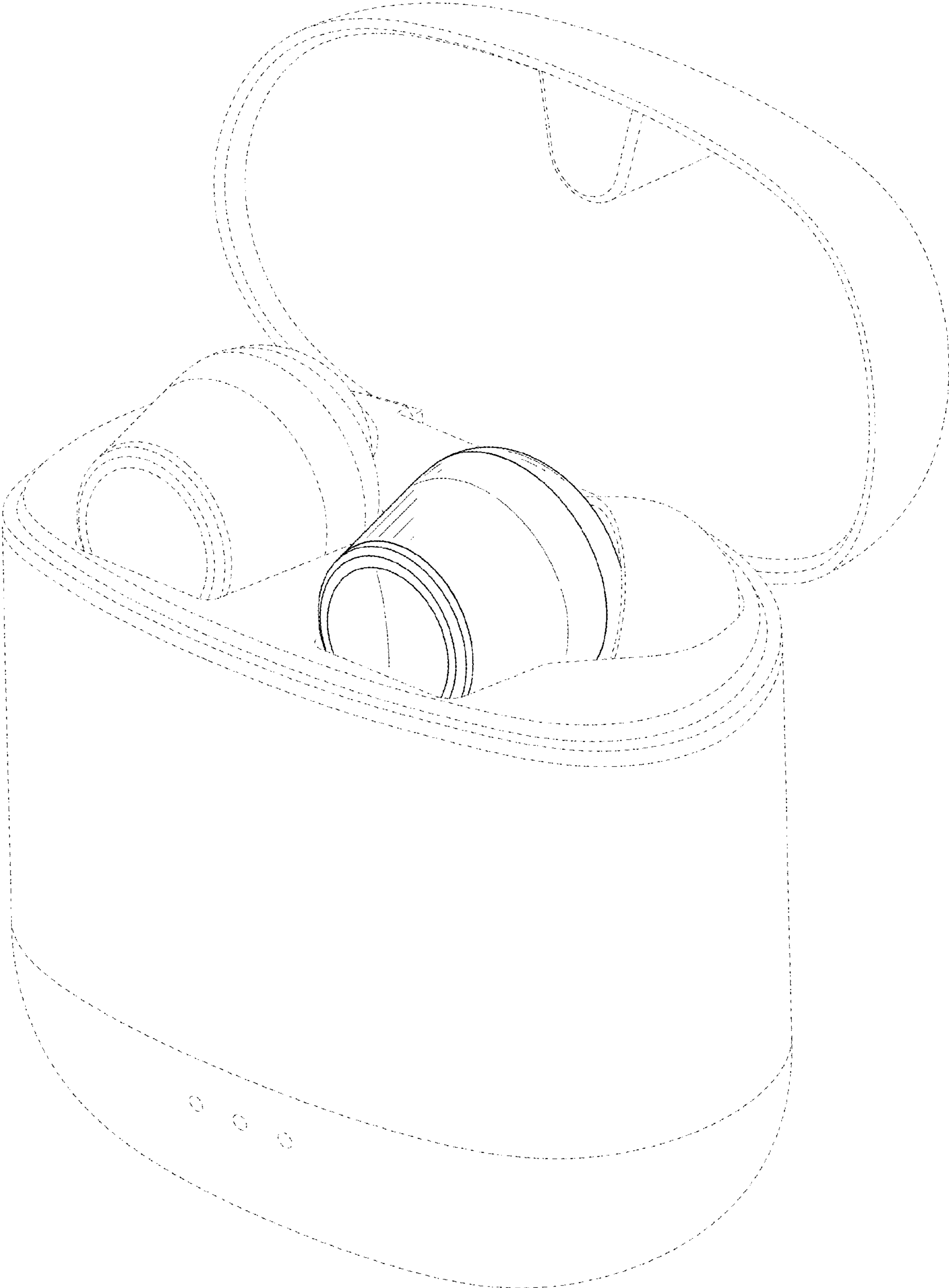


FIG. 9