



US00D959412S

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

(10) **Patent No.:** **US D959,412 S**

(45) **Date of Patent:** **** Aug. 2, 2022**

(54) **EARPHONE**

(71) Applicant: **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**, Guangdong (CN)

(72) Inventors: **Oki Sato**, Tokyo (JP); **Xiangyu Li**, Guangdong (CN)

(73) Assignee: **GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.**, Dongguan (CN)

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

(21) Appl. No.: **29/764,508**

(22) Filed: **Dec. 30, 2020**

(30) **Foreign Application Priority Data**

Dec. 4, 2020 (CN) 202030745695.2

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

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

(58) **Field of Classification Search**
USPC D14/223, 205; D24/174; 128/864–866;
381/380–381, 322, 328
CPC H04R 1/10; H04R 25/00; H04R 1/1066;
H04R 1/1016; H04R 1/105; H04R
1/1008; H04R 1/1091
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,719,523 A * 10/1955 Von Gierke A61F 11/10
128/864
2,787,670 A * 4/1957 Rowland H04R 25/652
381/328
3,239,093 A * 3/1966 Gath H04R 25/652
381/322
D213,448 S * 3/1969 Giller D24/174

D230,280 S * 2/1974 Nygard D24/174
4,870,688 A * 9/1989 Voroba H04R 25/609
381/328
4,977,976 A * 12/1990 Major H04R 25/48
381/328

(Continued)

FOREIGN PATENT DOCUMENTS

JP 1593063 S 12/2017
JP 1664398 S 7/2020

(Continued)

OTHER PUBLICATIONS

JP Publication Material RA0200874900, Mac Fan magazine, Mynavi Publishing Co. Ltd. No.9, vol. 28, p. 121, Sep. 1, 2020.

(Continued)

Primary Examiner — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — Young Basile Hanlon & MacFarlane, P.C.

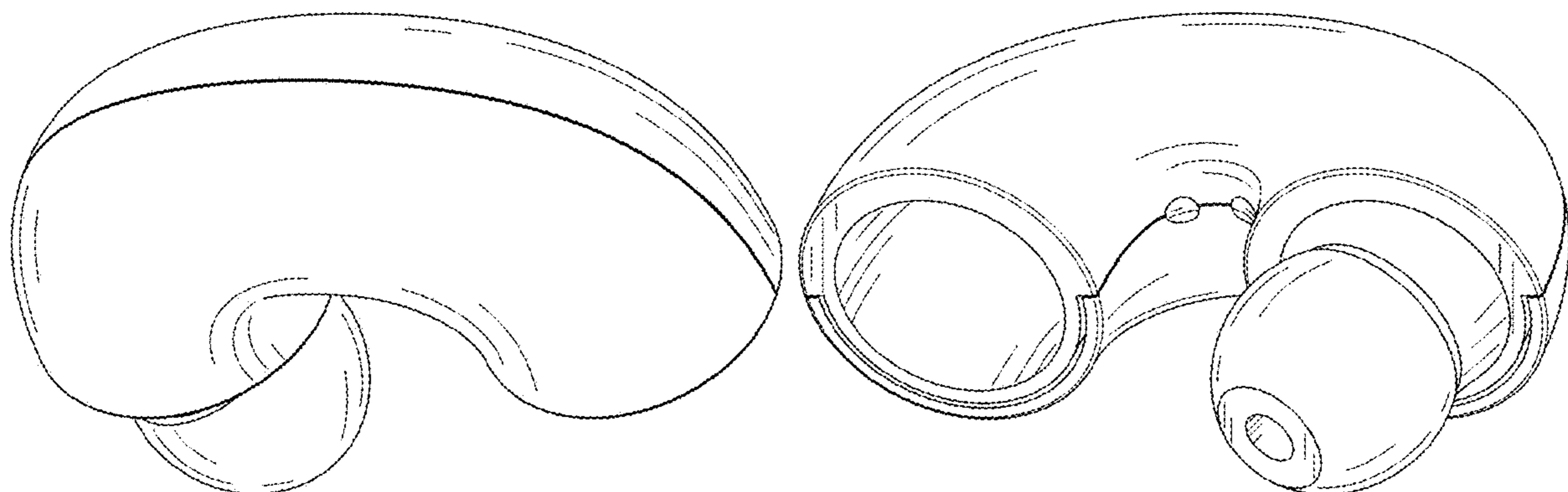
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front right perspective view of the earphone showing our new design.
FIG. 2 is a front left perspective view of the earphone of FIG. 1.
FIG. 3 is a rear left perspective view of the earphone of FIG. 1.
FIG. 4 is a front view of the earphone of FIG. 1.
FIG. 5 is a rear view of the earphone of FIG. 1.
FIG. 6 is a left side view of the earphone of FIG. 1.
FIG. 7 is a right side view of the earphone of FIG. 1.
FIG. 8 is a top view of the earphone of FIG. 1; and,
FIG. 9 is a bottom view of the earphone of FIG. 1.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D464,039	S	*	10/2002	Boesen	.....	D14/223
D468,300	S	*	1/2003	Boesen	.....	D14/223
D499,397	S	*	12/2004	Hlas	.....	D14/223
D512,990	S	*	12/2005	Yang	.....	D14/223
D514,094	S	*	1/2006	Griffin	.....	D14/223
D532,770	S	*	11/2006	Engstrom	.....	D14/205
7,403,629	B1	*	7/2008	Aceti	.....	H04R 25/656 381/322
D575,767	S	*	8/2008	Lee	.....	D14/205
D586,333	S	*	2/2009	Tkachuk	.....	D14/223
D627,766	S	*	11/2010	Arimoto	.....	D14/223
7,864,974	B2	*	1/2011	Chen	.....	H04R 1/1016 381/345
D633,086	S	*	2/2011	Chen	.....	D14/223
D637,183	S	*	5/2011	March	.....	D14/223
D637,184	S	*	5/2011	March	.....	D14/223
D641,738	S	*	7/2011	Perez	.....	D14/223
D641,739	S	*	7/2011	Huang	.....	D14/223
D662,493	S	*	6/2012	Chen	.....	D14/223
D762,616	S	*	8/2016	Hsieh	.....	D14/223
D778,268	S	*	2/2017	Hsieh	.....	D14/223
D861,645	S	*	10/2019	Sharma	.....	D14/223
D861,646	S	*	10/2019	Sharma	.....	D14/223
D872,062	S	*	1/2020	Cui	.....	D14/223
D884,680	S	*	5/2020	Li	.....	D14/223
D889,664	S	*	7/2020	Beedham	.....	D24/174
D901,453	S	*	11/2020	Coster	.....	D14/223
D904,348	S	*	12/2020	Coster	.....	D14/223
2009/0052709	A1	*	2/2009	Smith	.....	H04R 25/02 381/328

2009/0180653	A1	*	7/2009	Sjursen	.....	H04R 25/60 381/322
2009/0245559	A1	*	10/2009	Boltyenkov	.....	H04R 25/658 381/328
2011/0051977	A1	*	3/2011	Losko	.....	H04R 25/55 381/380
2011/0058697	A1	*	3/2011	Shennib	.....	H04R 25/02 381/328
2011/0135131	A1	*	6/2011	Winther	.....	H04R 25/02 381/322
2011/0268304	A1	*	11/2011	Ang	.....	H04R 25/02 381/330
2015/0195638	A1	*	7/2015	Tseng	.....	H04R 1/1058 381/380
2015/0289061	A1	*	10/2015	Rasmussen	.....	H04R 25/02 381/328
2015/0382099	A1	*	12/2015	Chu	.....	H04R 1/2811 381/370
2020/0260193	A1	*	8/2020	Collado Bonet	....	H04R 25/405

FOREIGN PATENT DOCUMENTS

JP	1670134	S	10/2020
JP	1680809	S	3/2021
JP	1680810	S	3/2021

OTHER PUBLICATIONS

Japanese Office Action with English Translation for JP Application 2020028532 dated Jul 27, 2021. (7 pages).

* cited by examiner

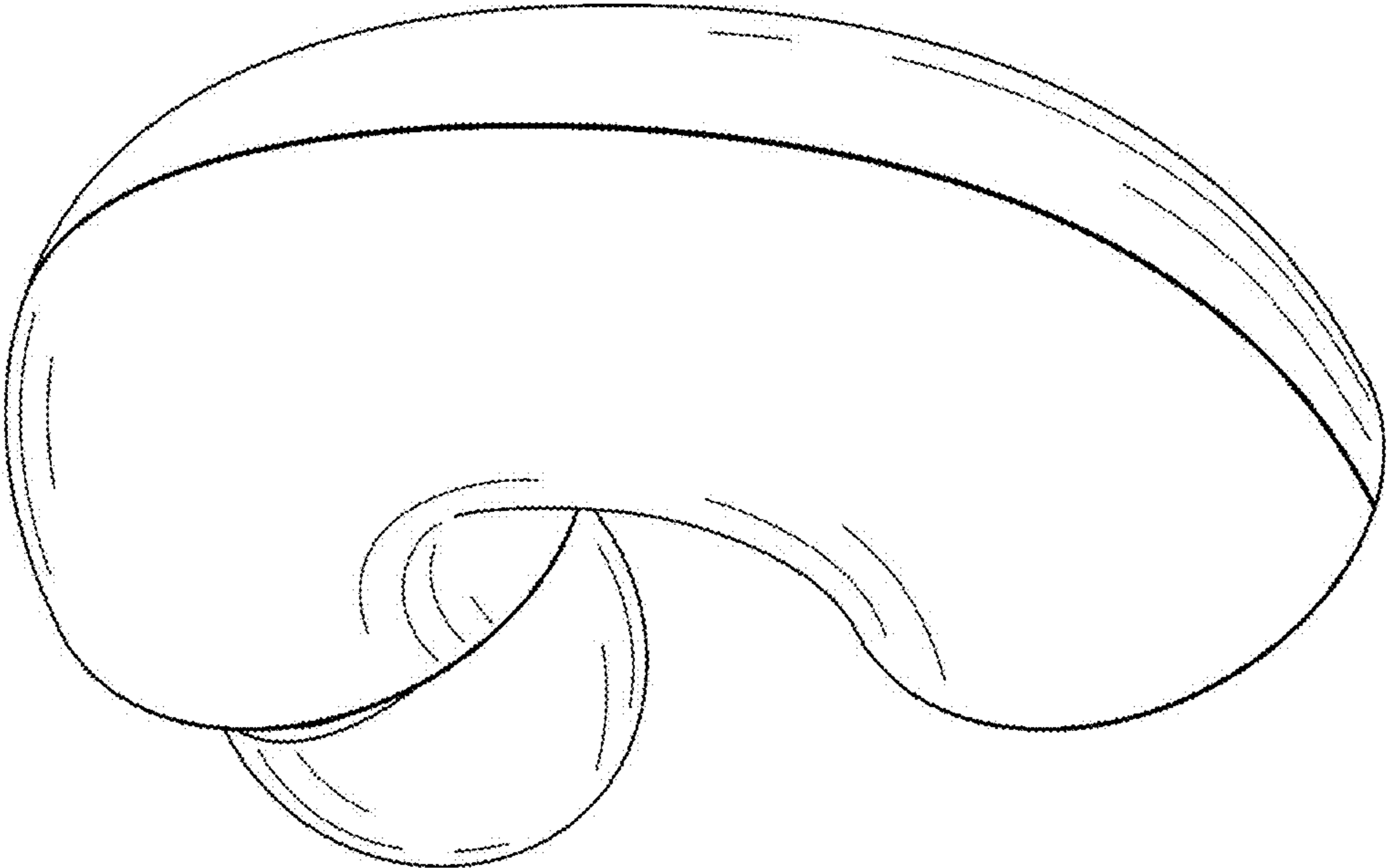


FIG. 1

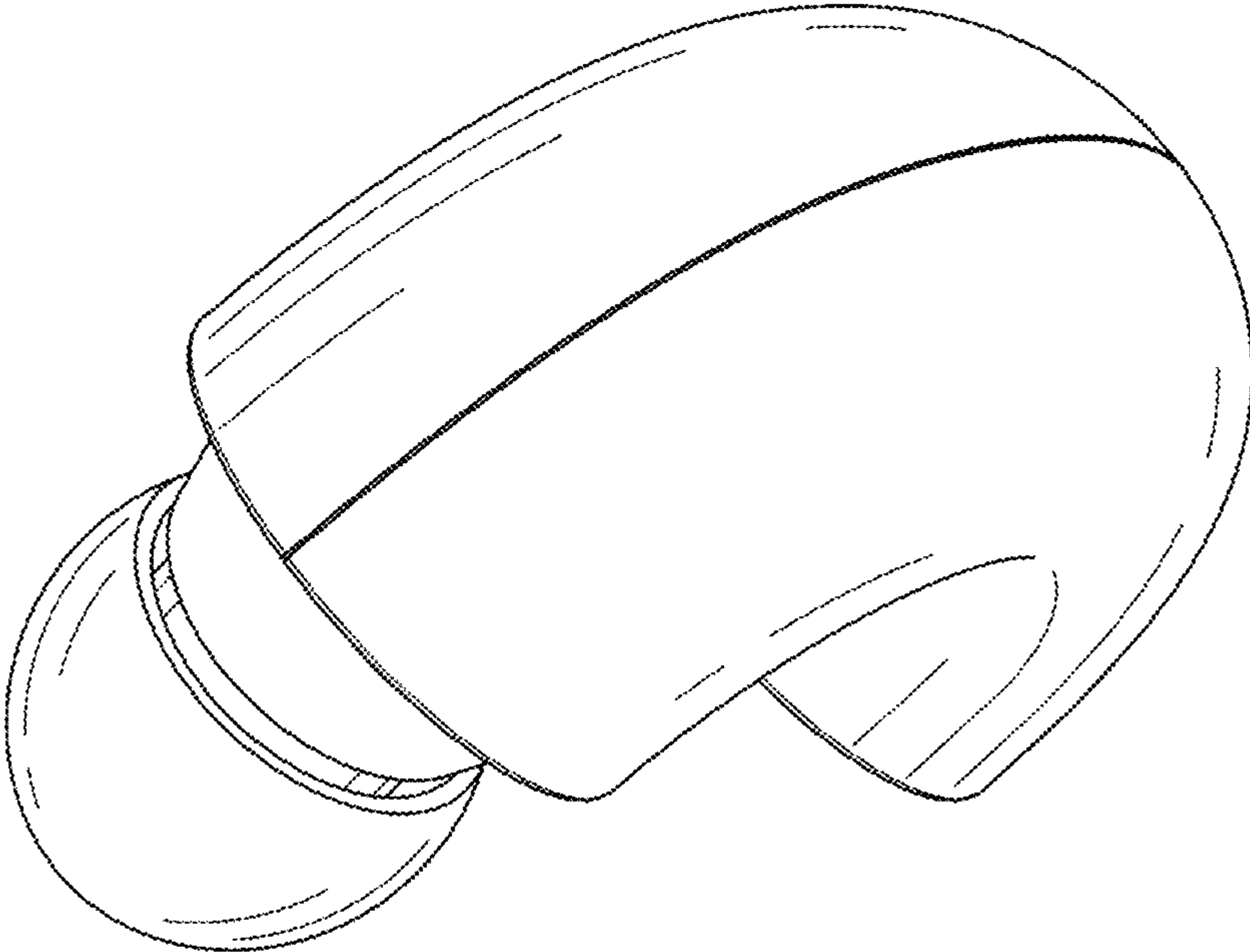


FIG. 2

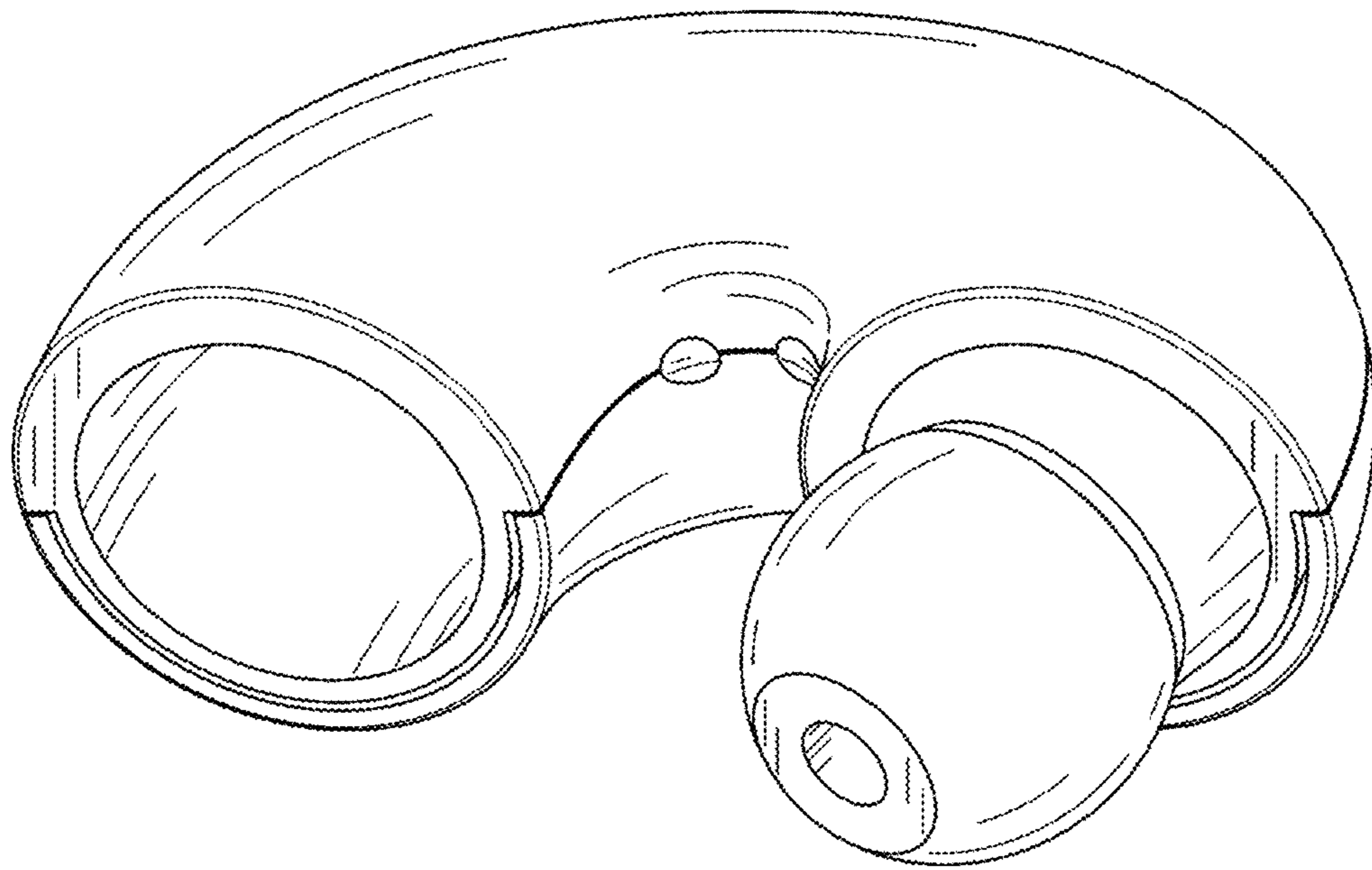


FIG. 3

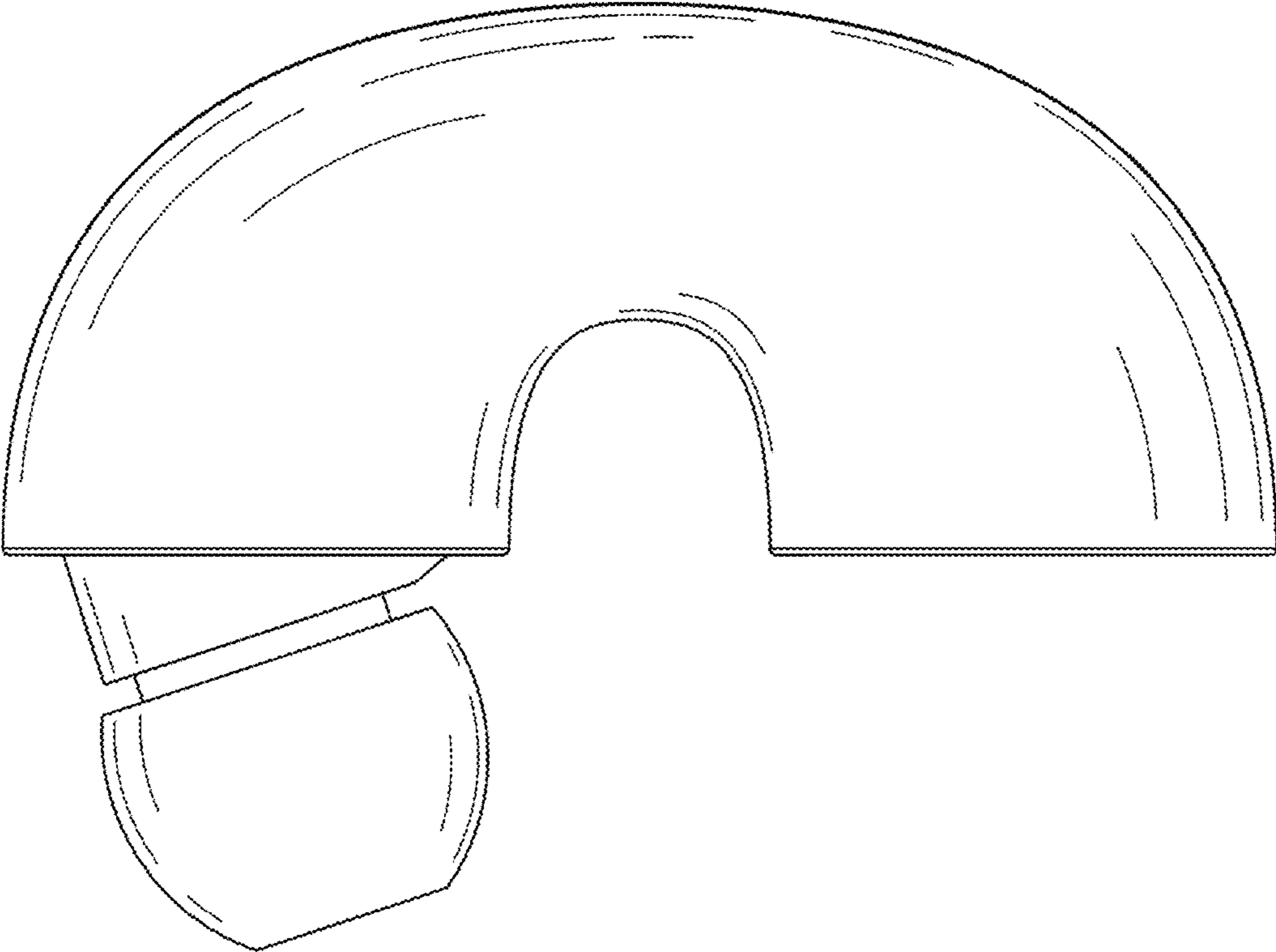


FIG. 4

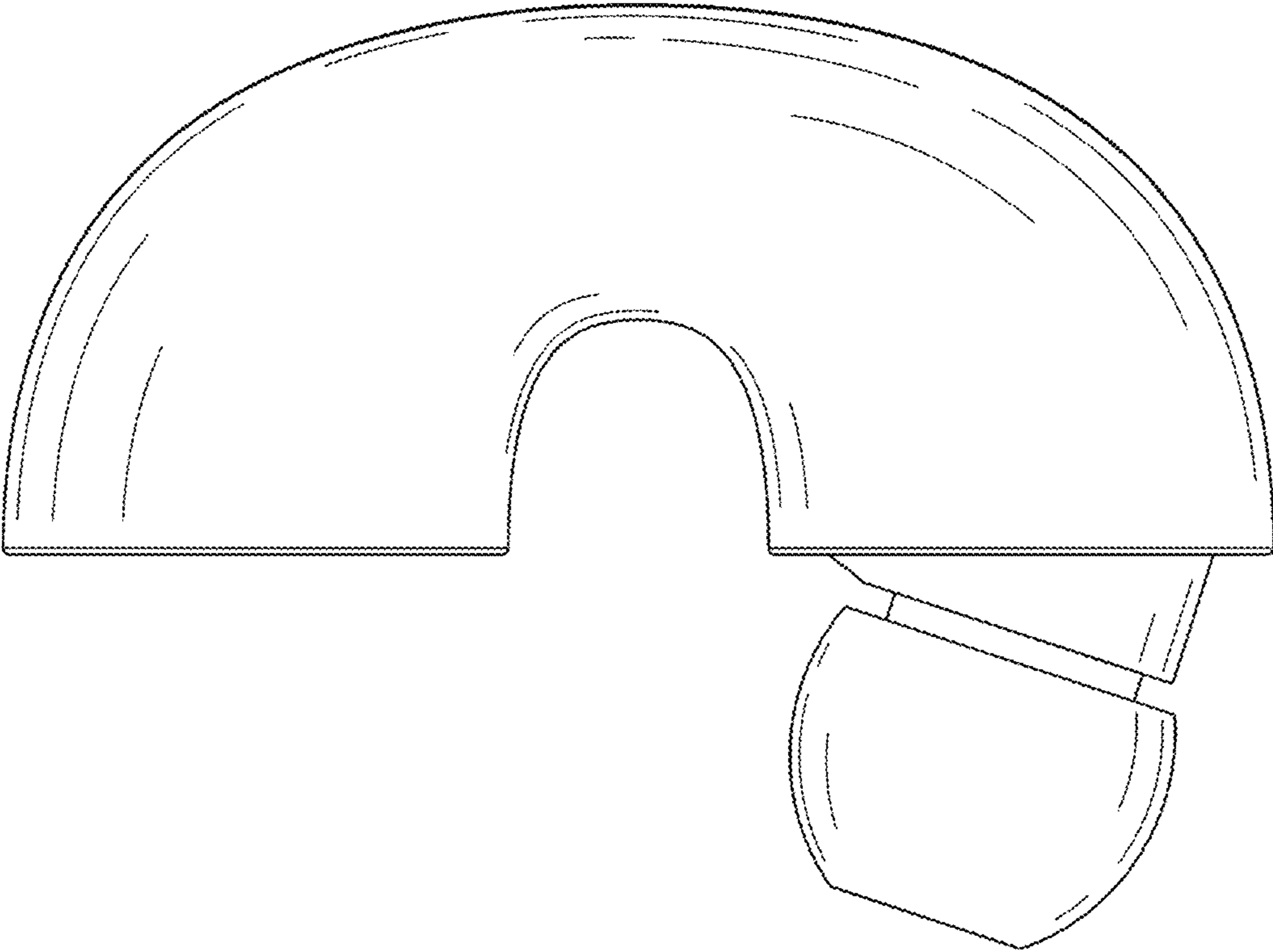


FIG. 5

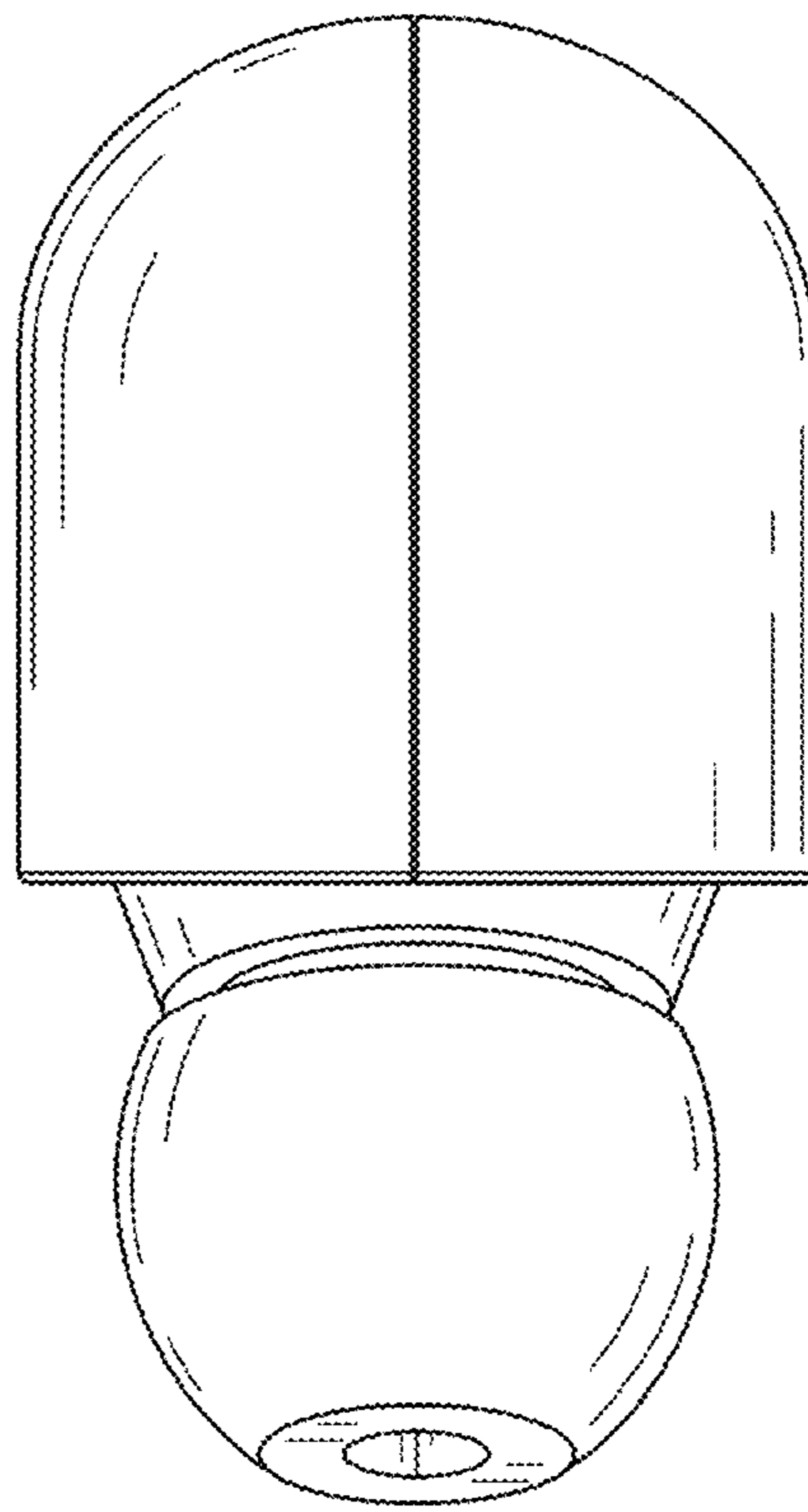


FIG. 6

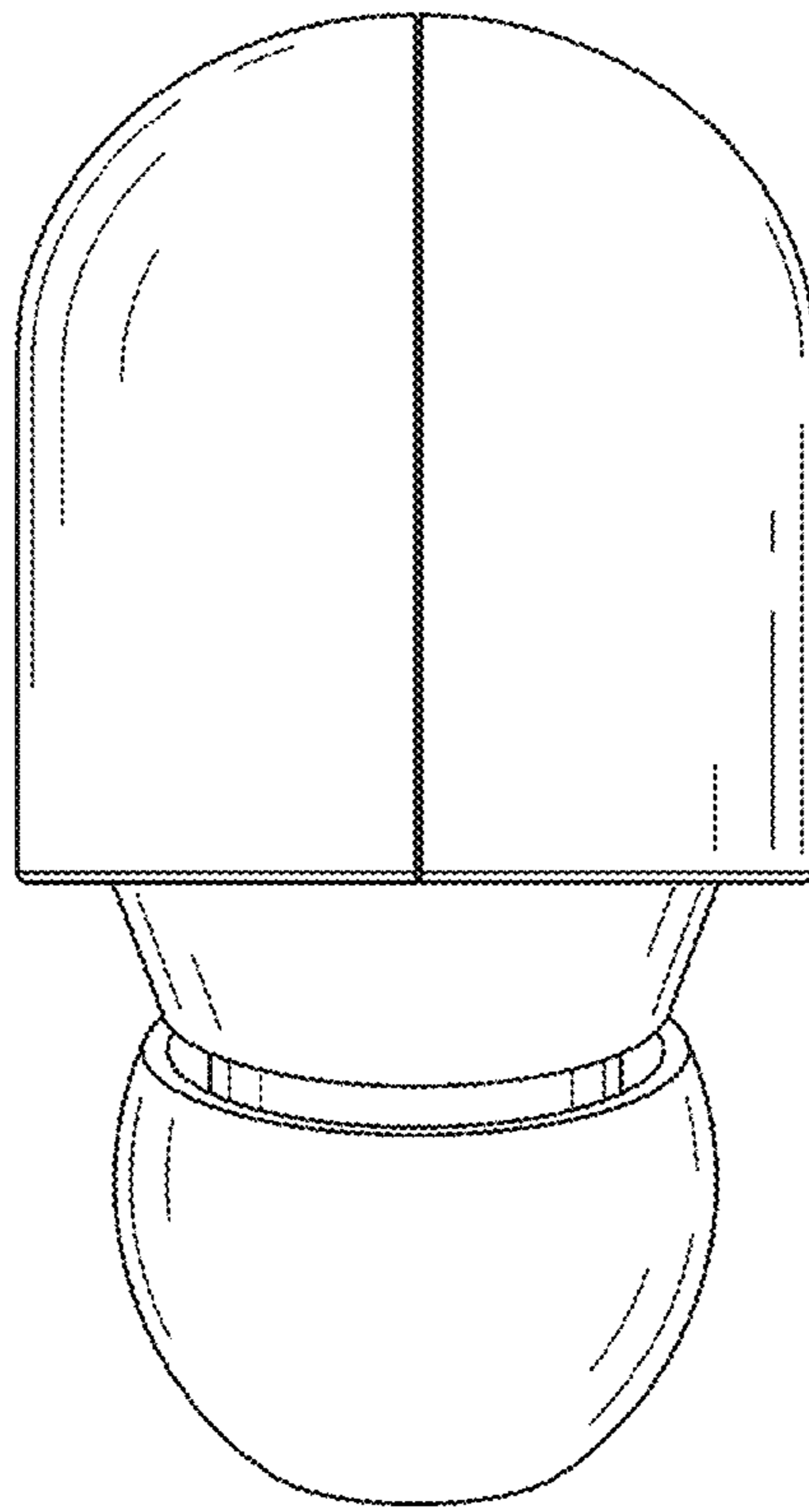


FIG. 7

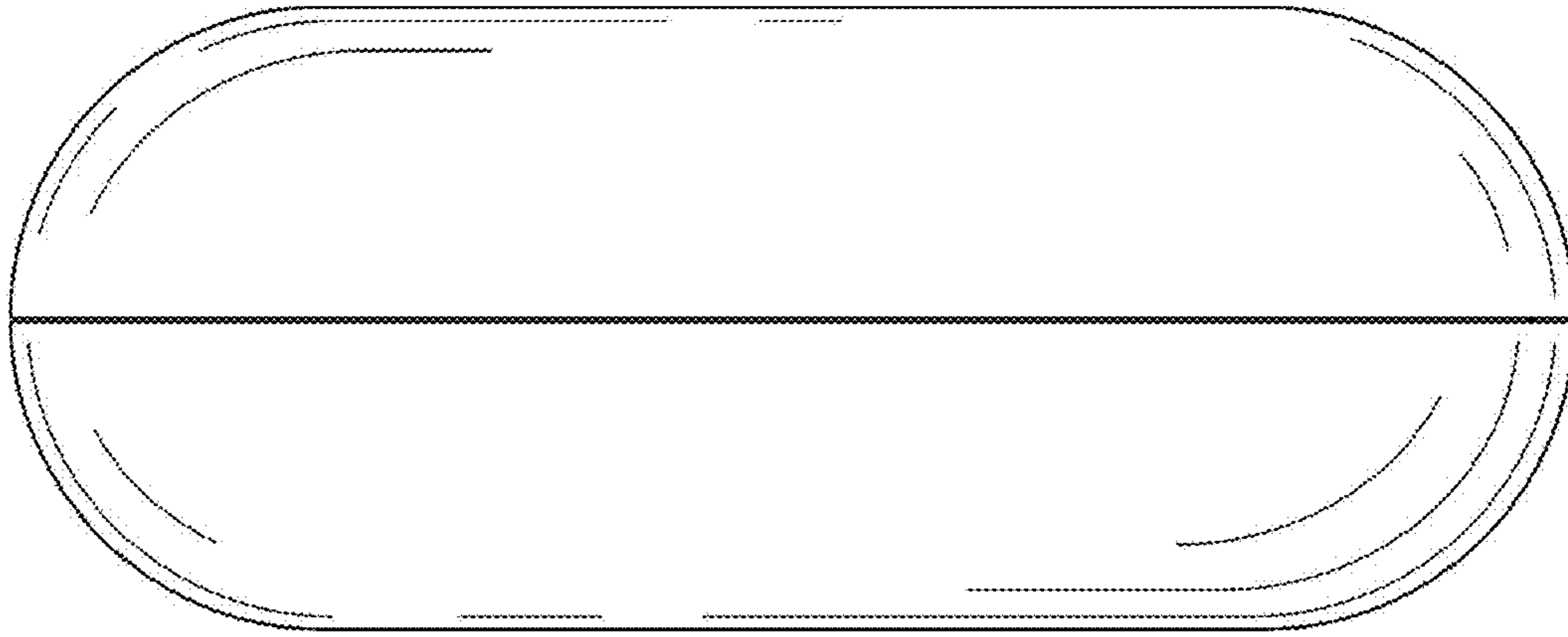


FIG. 8

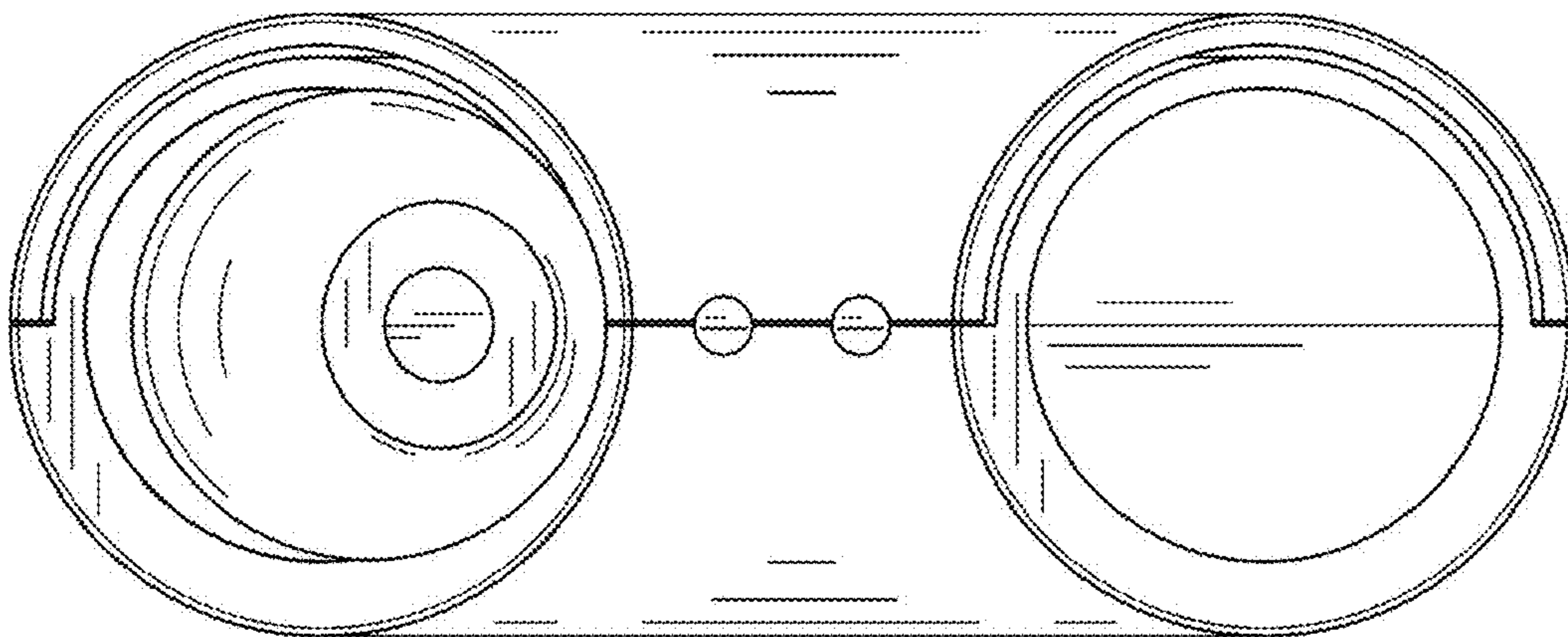


FIG. 9