



US00D944769S

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

(10) **Patent No.:** **US D944,769 S**
(45) **Date of Patent:** **** Mar. 1, 2022**

(54) **SPEAKER**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

(72) Inventors: **Jinwan Bae**, Seoul (KR); **Hyojin Won**, Seoul (KR); **Minjeong Kang**, Seoul (KR); **Youngjoon Park**, Seoul (KR); **Youjin Lee**, Seoul (KR)

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

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

(21) Appl. No.: **29/735,343**

(22) Filed: **May 20, 2020**

(30) **Foreign Application Priority Data**

Dec. 17, 2019 (KR) 30-2019-0061365

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

(52) **U.S. Cl.**
USPC **D14/207**; D14/204

(58) **Field of Classification Search**
USPC D14/155–159, 160–173, 187–188,
D14/203.1–203.8, 204–216, 217–222,
D14/225–229, 496, 498, 507;
D16/200–203

CPC H04R 1/02; H04R 1/021; H04R 1/025;
H04R 1/026; H04R 1/028; H04R 1/06;
H04R 1/105; H04R 1/323; H04R 1/403;
H04R 1/2803; H04R 1/2834

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D527,405 S * 8/2006 Kim D16/202
D552,650 S * 10/2007 Yamakawa D16/203
D565,070 S * 3/2008 Kim D16/202
D603,441 S * 11/2009 Wada D16/203
D635,603 S * 4/2011 Paz Rodriguez D15/199

D799,575 S * 10/2017 Tang D15/199
D813,926 S * 3/2018 Shin D16/203
D835,169 S * 12/2018 Morisawa D15/199
D838,758 S * 1/2019 Kymm D15/199
D862,813 S * 10/2019 Liu D30/199
D864,158 S * 10/2019 Koh D14/207

(Continued)

FOREIGN PATENT DOCUMENTS

CN 303508123 * 12/2015
CN 306620124 * 6/2021

(Continued)

OTHER PUBLICATIONS

LG Expands IOT Ecosystem, Jan. 5, 2017, [retrieved Jul. 13, 2021], Retrieved from Internet, URL: <<https://www.lgnewsroom.com/2017/01/lg-expands-iot-ecosystem-with-lineup-of-futuristic-robotic-products/>> (Year: 2017).*

(Continued)

Primary Examiner — Barbara Fox
Assistant Examiner — Aram Kwon

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

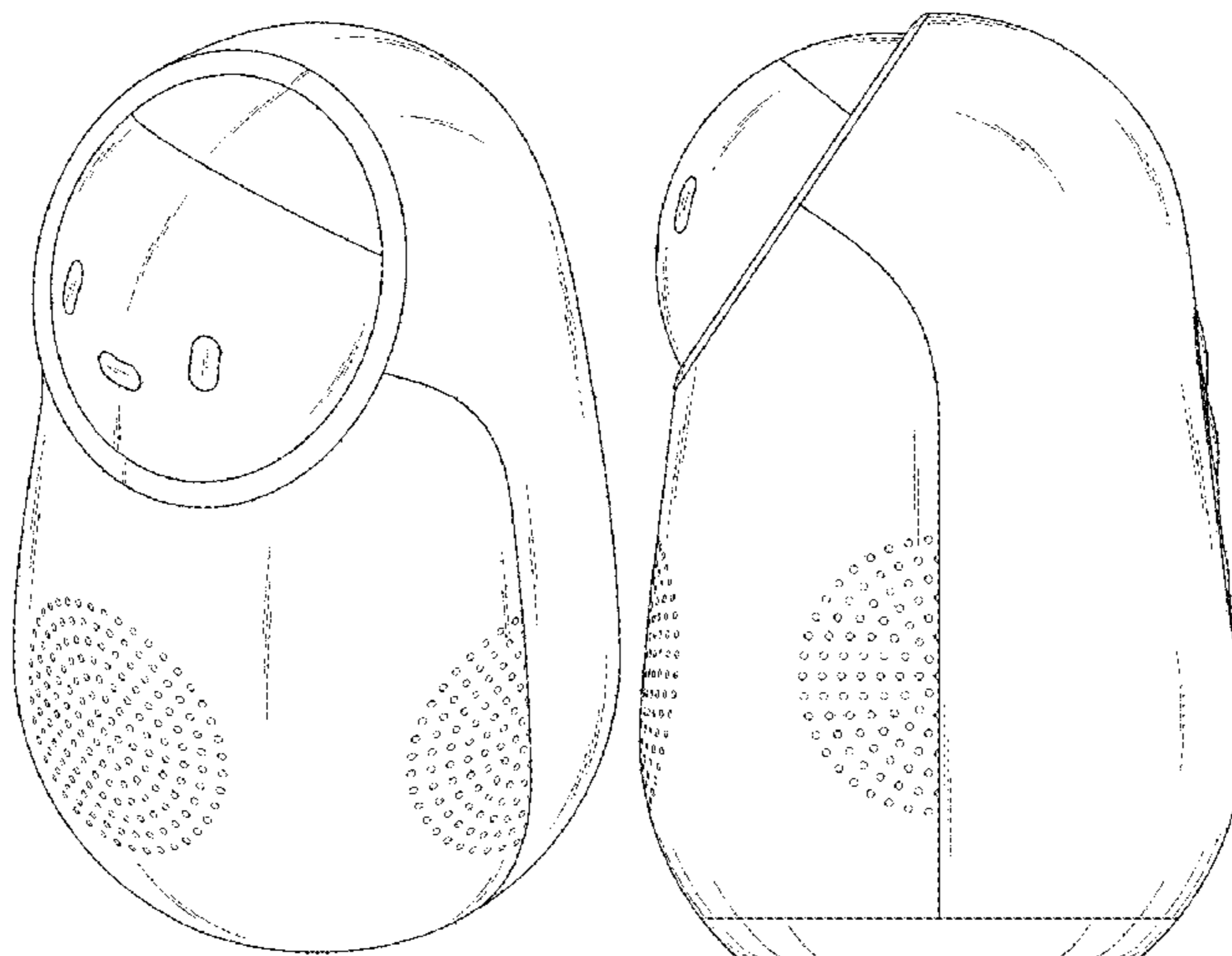
(57) **CLAIM**

We claim the ornamental design for a speaker, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a speaker showing our new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a left-side elevation view thereof;
FIG. 5 is a right-side elevation view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines shown in FIG. 7 depict portions of the speaker that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D870,070	S	*	12/2019	Koh	.....	D14/207
D870,071	S	*	12/2019	Koh	.....	D14/207
D877,994	S	*	3/2020	Kim	.....	D32/21
D879,853	S	*	3/2020	Baba	.....	D15/199
D880,556	S	*	4/2020	Tang	.....	D16/203
D882,664	S	*	4/2020	Tang	.....	D16/203
D888,793	S	*	6/2020	Du	.....	D16/203
D890,831	S	*	7/2020	Zheng	.....	D16/203
D891,501	S	*	7/2020	Wu	.....	D16/203
D895,606	S	*	9/2020	Matoba	.....	D14/314
D898,097	S	*	10/2020	Ravat	.....	D16/203
D901,572	S	*	11/2020	Wang	.....	D16/203
D911,417	S	*	2/2021	Sjogren	.....	D16/203
D934,941	S	*	11/2021	Cheng	.....	D16/203

FOREIGN PATENT DOCUMENTS

CN	306620364	*	6/2021
CN	306620365	*	6/2021
KR	300945038.0000	*	2/2018

OTHER PUBLICATIONS

LG sets sights on robots, Jul. 21, 2017, [retrieved Jul. 13, 2021], Retrieved from Internet, URL: <<https://koreajoongangdaily.joins.com/2017/07/21/industry/LG-sets-sights-on-robots/3036180.html>> (Year: 2017).*

Humanoid Robot Dancing Bluetooth Speaker Robot, date not available, [retrieved Jul. 15, 2021], Retrieved from Internet, URL: <<https://www.globalsources.com/Educational-robot/Ai-Robot-Speaker-1177828359p.htm#1177828359>> (Year: 2021).*

Qbo, Mar. 3, 2015, [retrieved Jul. 15, 2021], Retrieved from Internet, URL: <<https://linux.softpedia.com/blog/Qbo-Is-an-AI-Driven-Ubuntu-Powered-Cute-Little-Robot-Video-474777.shtml>> (Year: 2015).*

Cute Musio Robot, Jun. 1, 2015, [retrieved Jul. 15, 2021], Retrieved from Internet, URL: <<https://www.geeky-gadgets.com/cute-musio-robot-equipped-with-ai-unveiled-by-akastudy-01-06-2015/>> (Year: 2015).*

Moorebot MB01 Security and Surveillance Camera, review date: Mar. 3, 2017, [retrieved Jul. 15, 2021], Retrieved from Internet, URL: <<https://www.ubuy.qa/en/catalog/product/view/id/2306571/s/pre-order-moorebot-voice-interactive-ai-robot-p2p-wireless-ip-camera-cute-animated-personal-assistant-mini-robotic-fo>>.*

The Yandex Smart Speaker Concept, May 7, 2020, [retrieved Jul. 15, 2021], Retrieved from Internet, URL: <<https://www.yankodesign.com/2020/05/07/the-yandex-smart-speaker-feels-friendly-and-human-like-because-it-sort-of-looks-like-one/>> (Year: 2020).*

* cited by examiner

FIG. 1

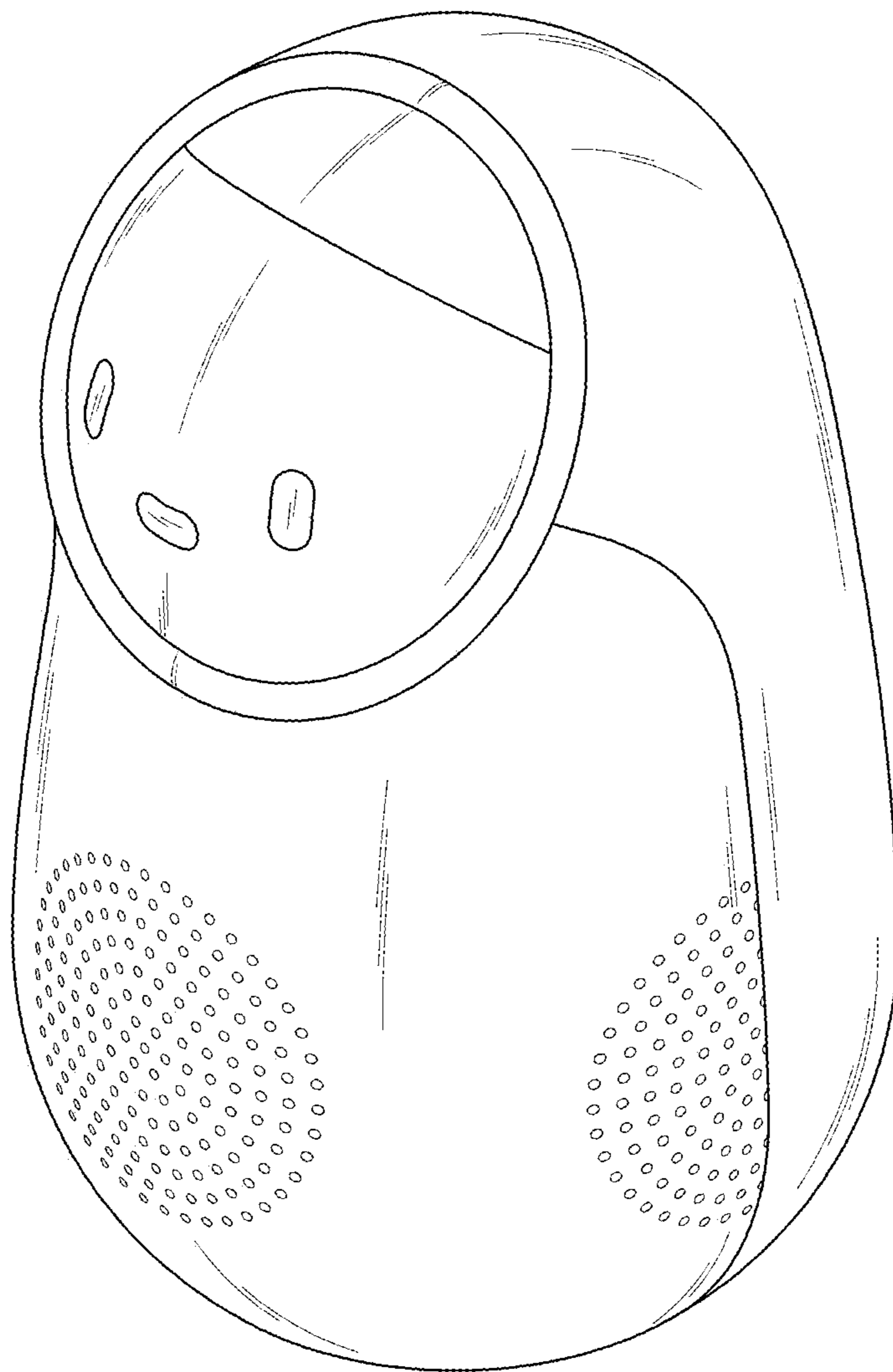


FIG. 2

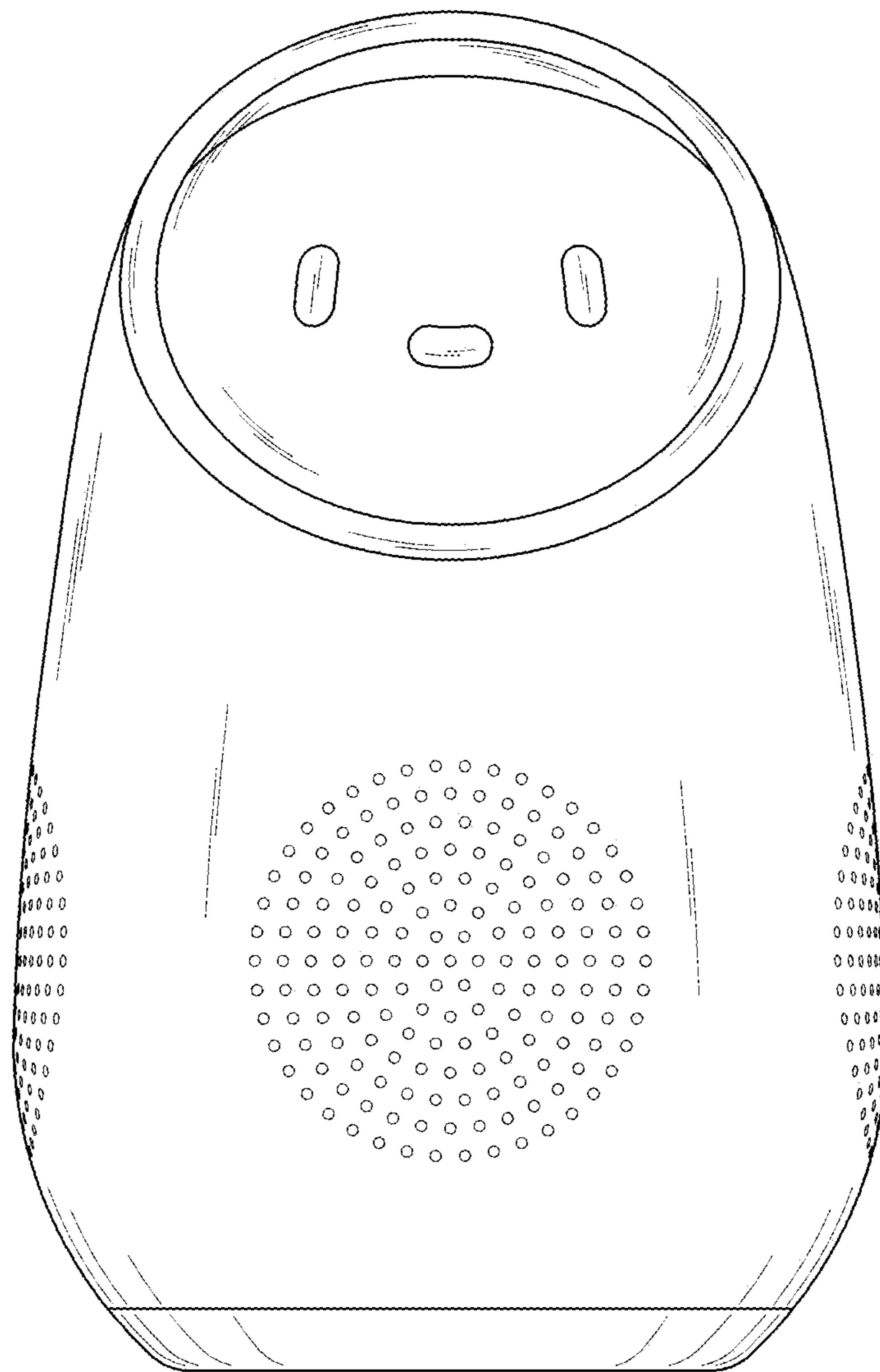


FIG. 3

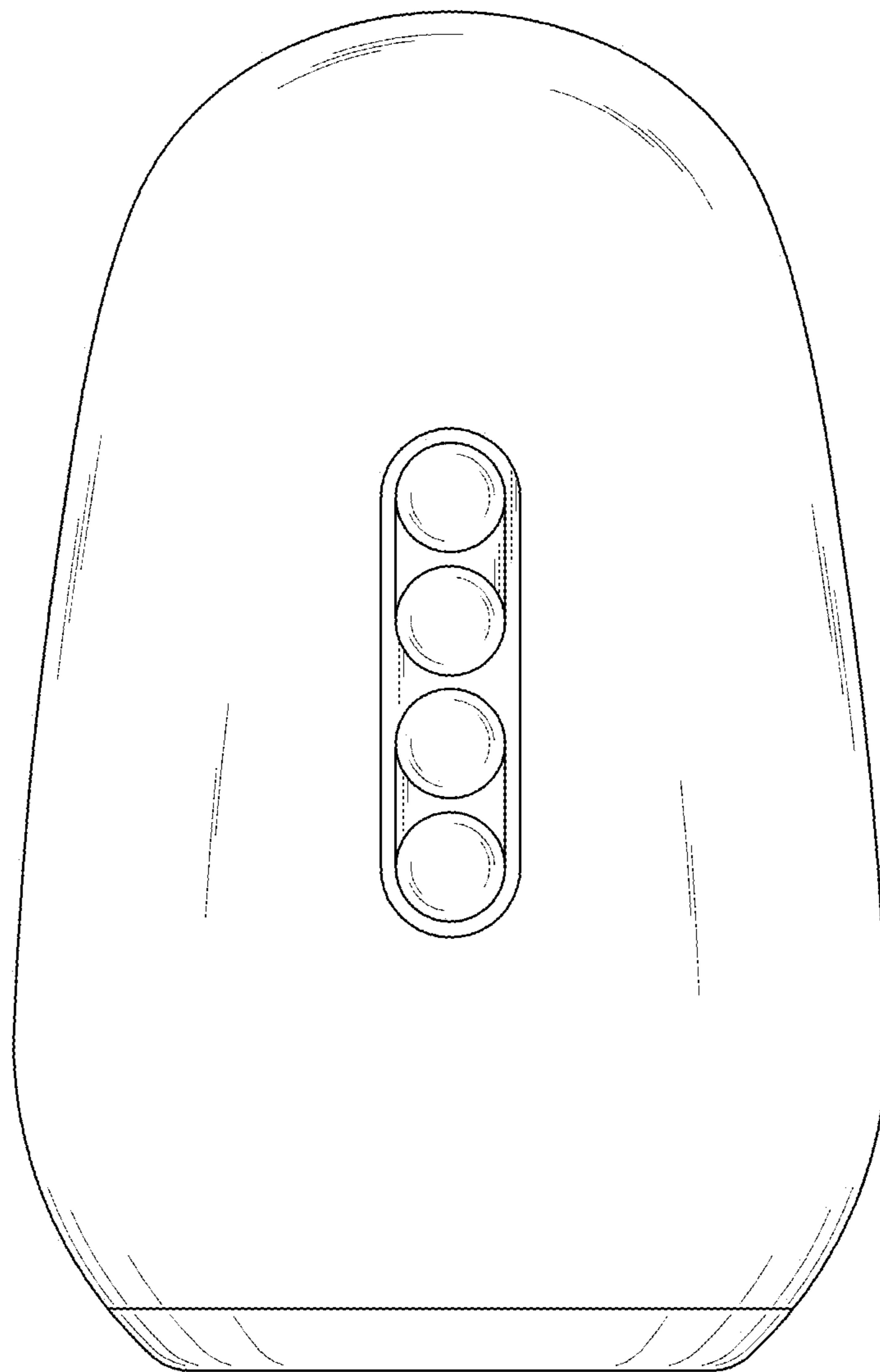


FIG. 4

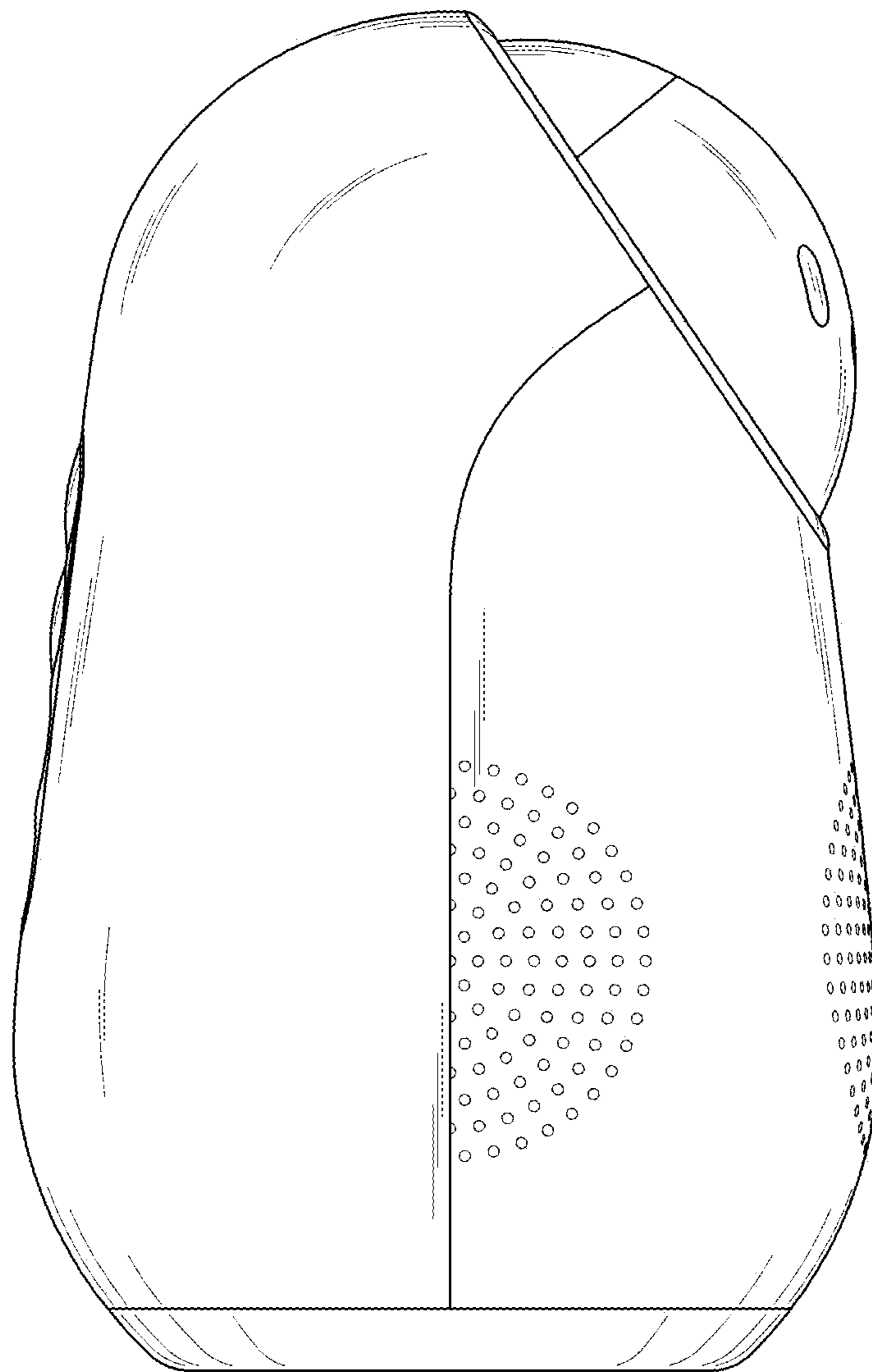


FIG. 5

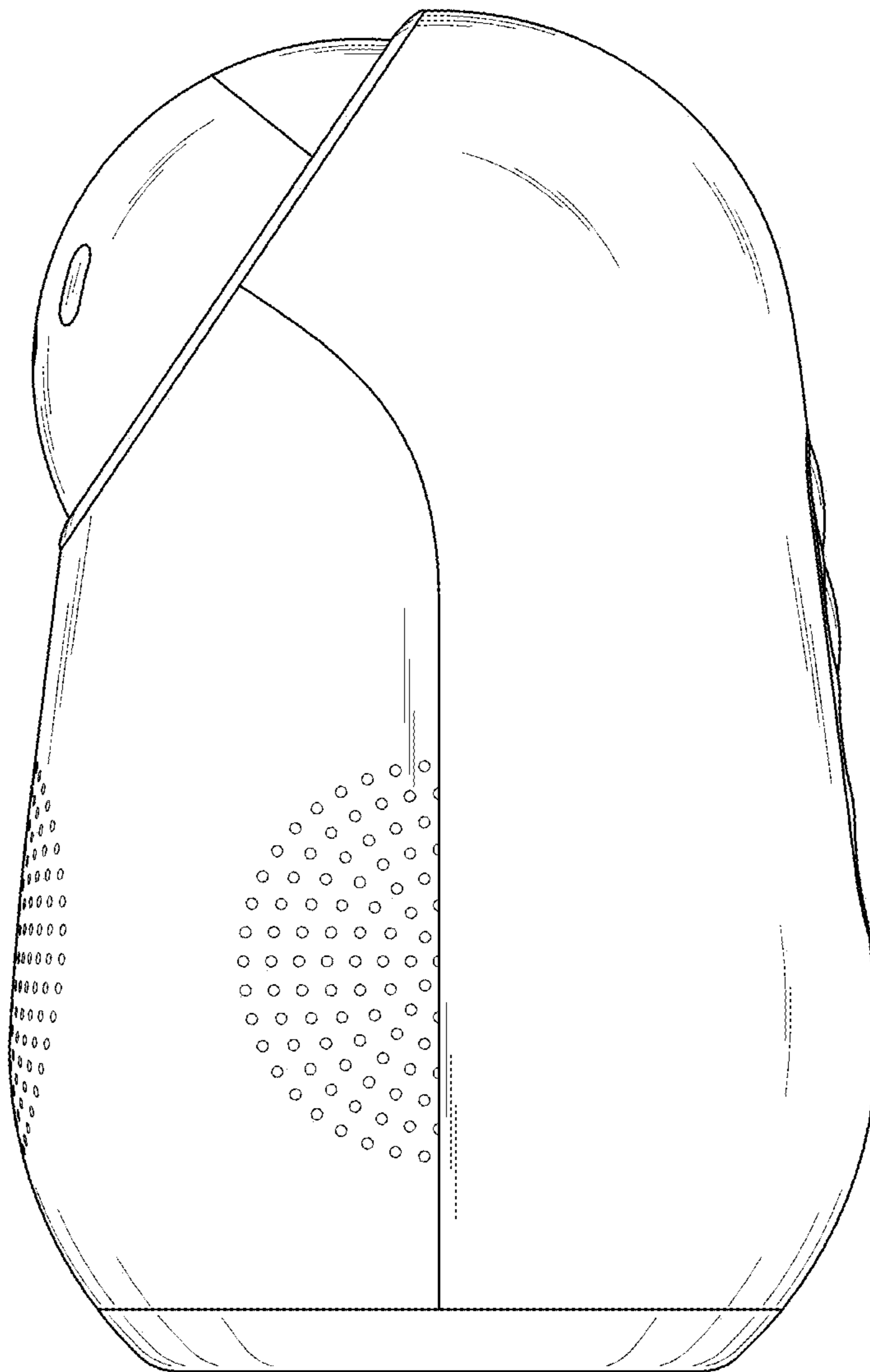


FIG. 6

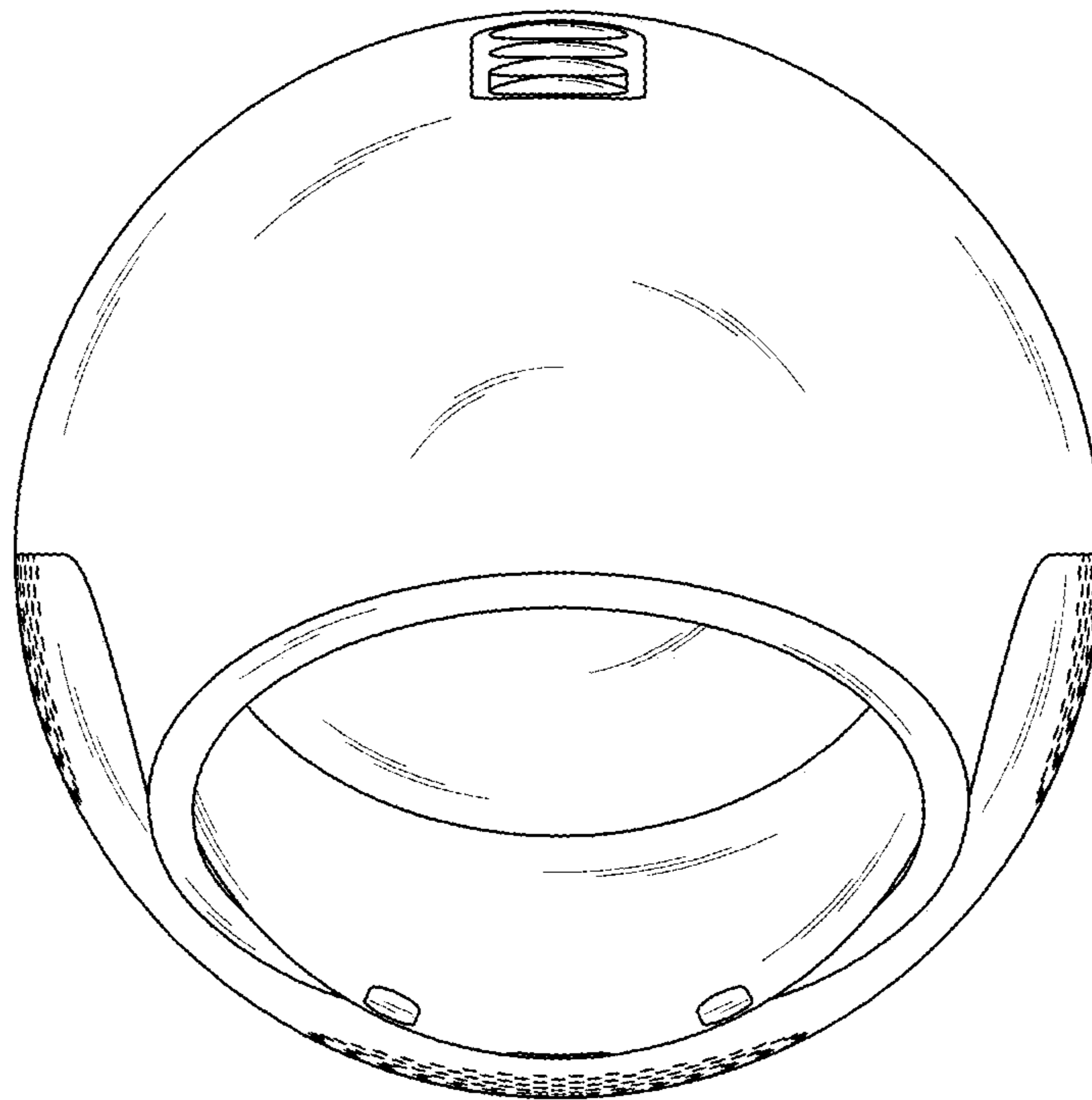


FIG. 7

