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

(10) **Patent No.:** **US D987,689 S**
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- (54) **BALLOON INFLATOR PUMP**
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- (**) Term: **15 Years**
- (21) Appl. No.: **29/857,034**
- (22) Filed: **Oct. 19, 2022**
- (51) **LOC (14) Cl.** **15-02**
- (52) **U.S. Cl.**
USPC **D15/7**
- (58) **Field of Classification Search**
USPC D14/163, 165, 172, 203.3, 203.6, 209.1,
D14/214, 221, 497, 499, 509, 510;
D24/168, 186, 213; D15/7-9; D12/114;
D13/107, 110, 113, 122
CPC F04B 53/14; F04B 53/92; F04B 33/00;
F04B 33/005; F04B 1/005; F04B 39/102;
F04D 13/06; F04D 29/22; F04D 29/046;
F04D 29/2266; F16K 11/048; F16K
15/20; F16K 31/602; F16L 37/18; F16L
37/20; A63H 2027/1033; A63H 2027/105;
A63H 2027/1091; A63H 27/10
See application file for complete search history.

D663,790 S *	7/2012	Williams	.....	D21/606
D667,510 S *	9/2012	Hayakawa	.....	D21/578
D714,881 S *	10/2014	Michalowski	.....	D21/606
D719,621 S *	12/2014	Song	.....	D21/578
D955,291 S *	6/2022	Deng	.....	D21/597
D955,506 S *	6/2022	Wu	.....	D21/585
D963,766 S *	9/2022	Kim	.....	D21/653

OTHER PUBLICATIONS

Balloon Buddy, Electric Balloon Inflator, (site visited Jan. 8, 2023), Party City Website, URL:<<https://www.partycity.com/electric-balloon-pump-734342.html>> (Year: 2023).*

Toyk, Electric Balloon Pump Air Blower, (site visited Jul. 11, 2022), Amazon.com, URL:<<https://www.amazon.com/Electric-Portable-Inflator-Festival-Decoration>> (Year: 2022).*

(Continued)

Primary Examiner — Calvin E Vansant
Assistant Examiner — Mark T. Philipps

(57) **CLAIM**

The ornamental design for a balloon inflator pump, as shown and described.

DESCRIPTION

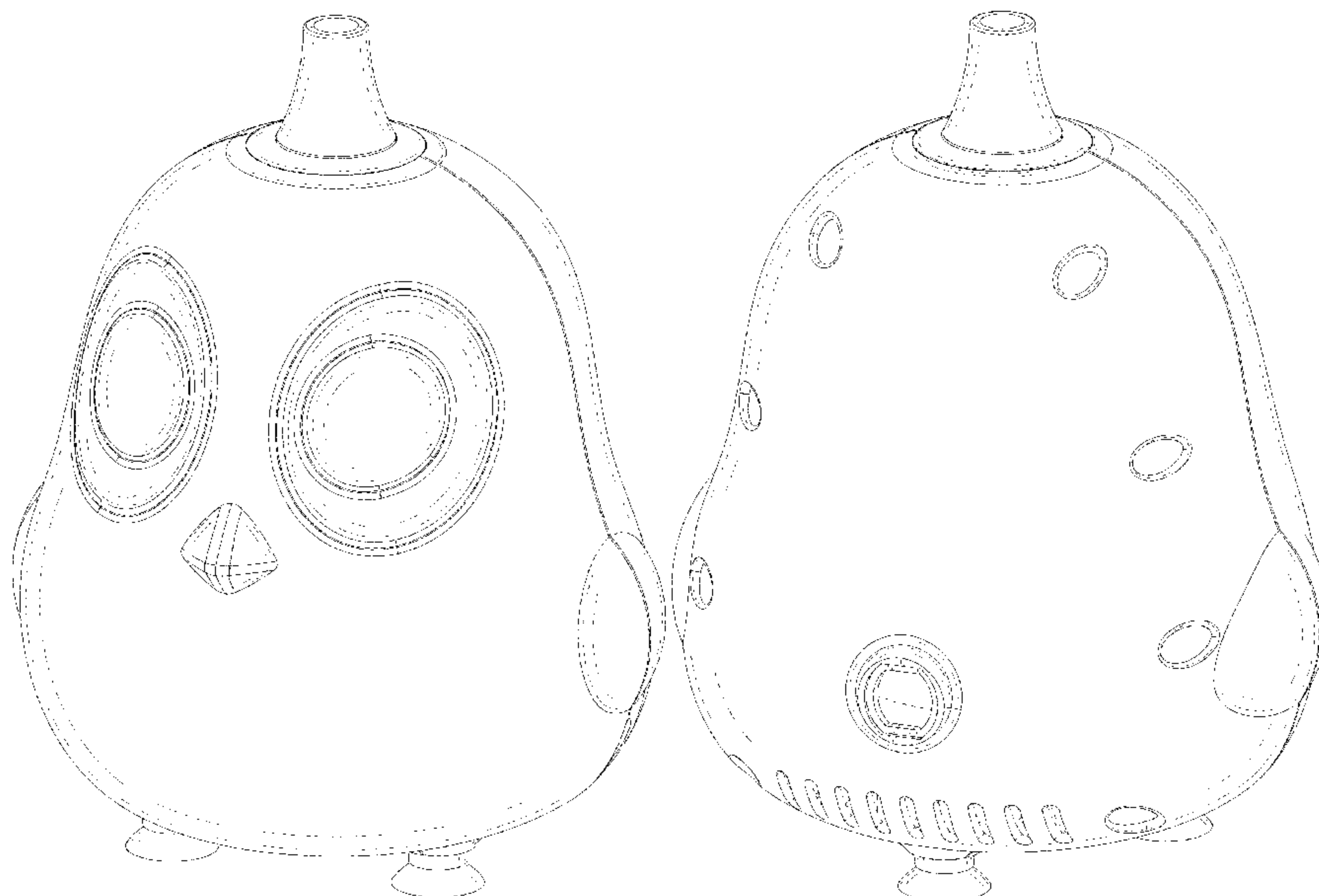
FIG. 1 is a front, right, top perspective view of a balloon inflator pump showing my new design;
FIG. 2 is a back, right, top perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a back view thereof;
FIG. 5 is a left view thereof;
FIG. 6 is a right view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.
The broken lines shown in the figures depict portions of the balloon inflator pump that do not form part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

D445,849 S *	7/2001	Saito	.....	D21/578
D448,433 S *	9/2001	Ueda	.....	D21/578
D457,203 S *	5/2002	Onishi	.....	D21/578
D468,375 S *	1/2003	So	.....	D21/578
D511,188 S *	11/2005	Takeda	.....	D21/585
D566,794 S *	4/2008	Judkins	.....	D21/576



(56)

References Cited

OTHER PUBLICATIONS

Willsily, Electric Balloon Pump, (first available Jun. 19, 2021), Amazon.com, URL:<<https://www.amazon.com/Willsily-Electric-Portable-Decoration-Gadgetry/dp/B097K7GCVZ/>> (Year: 2021).*

* cited by examiner

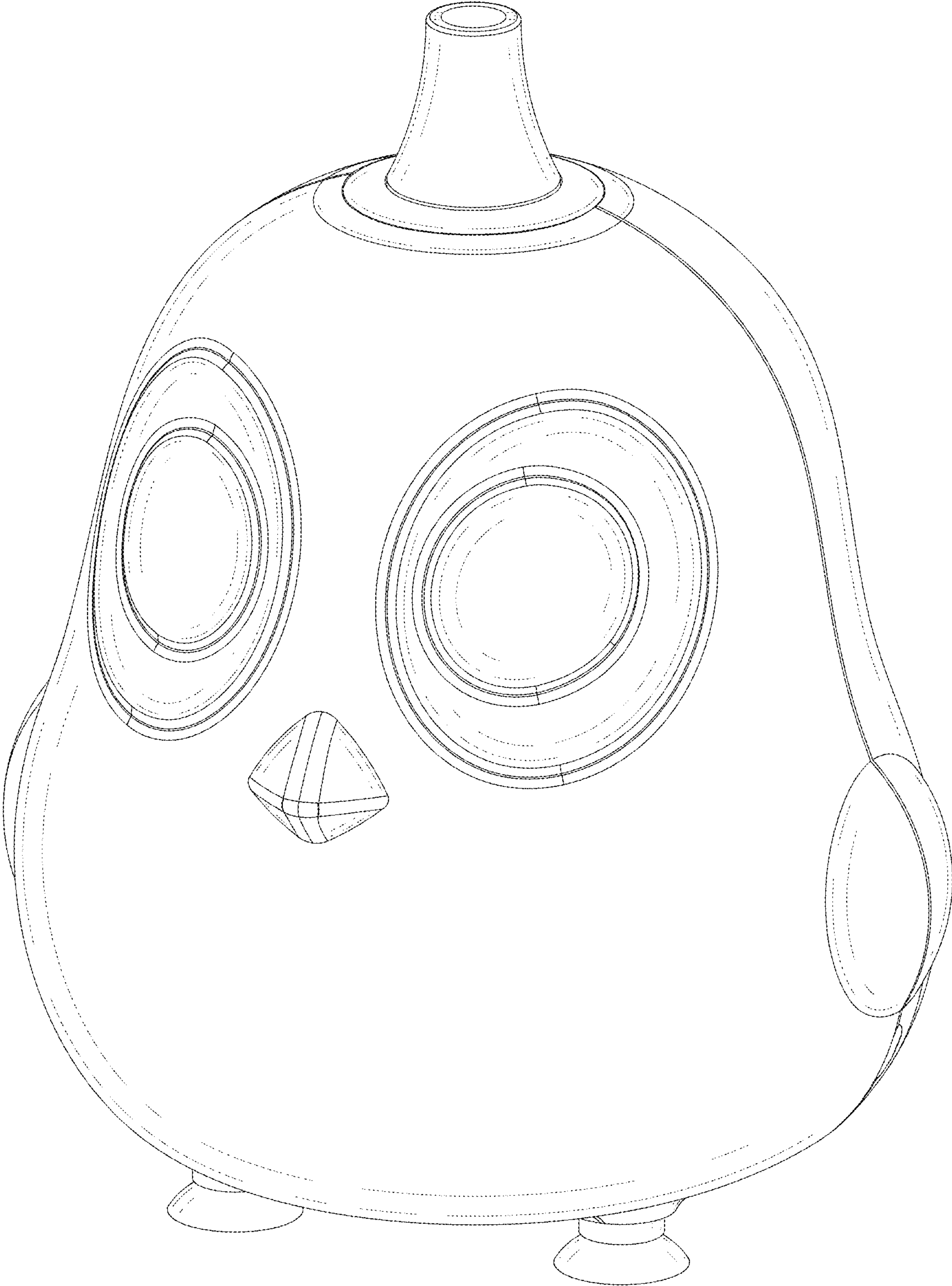


FIG. 1

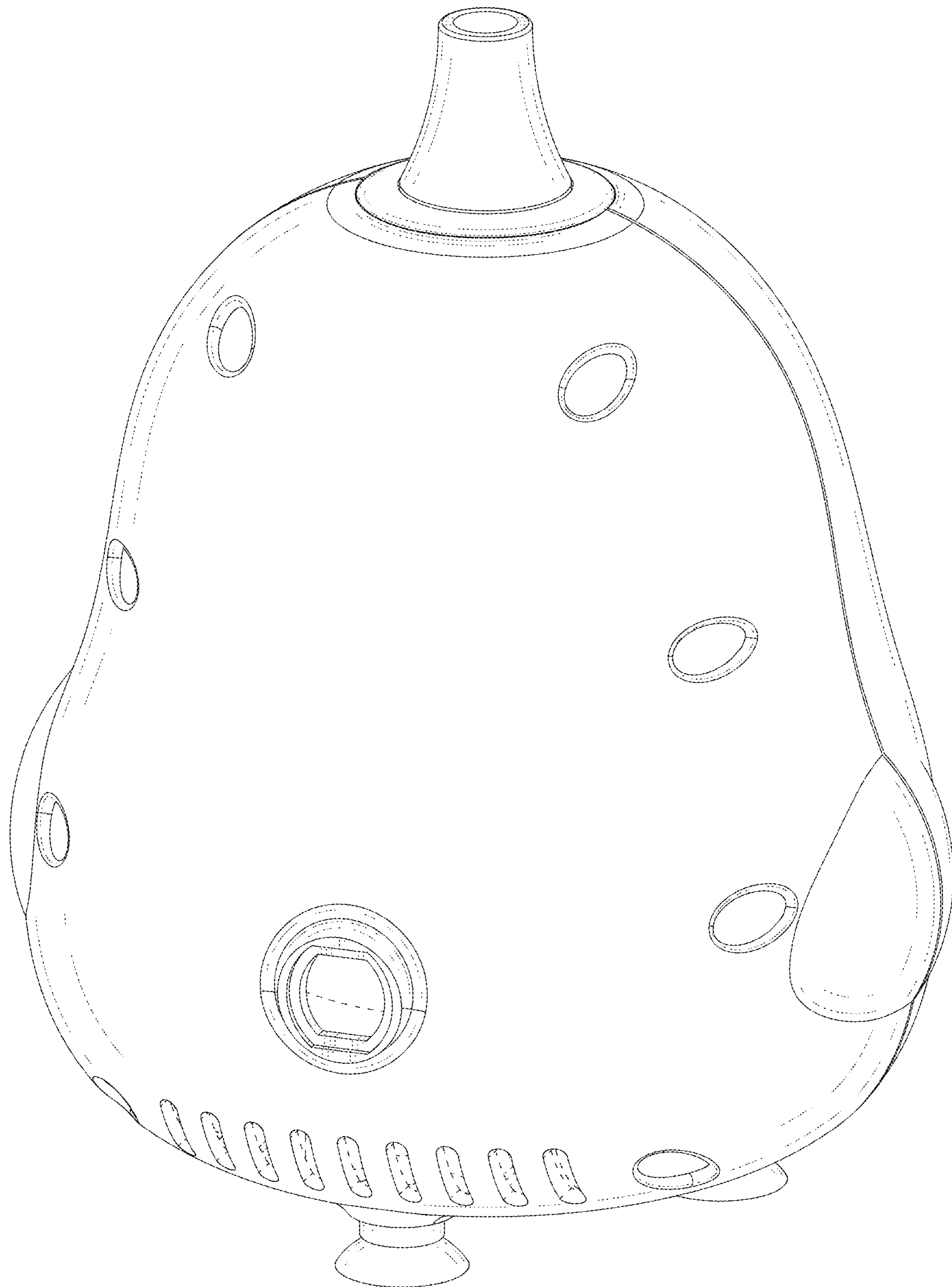


FIG. 2

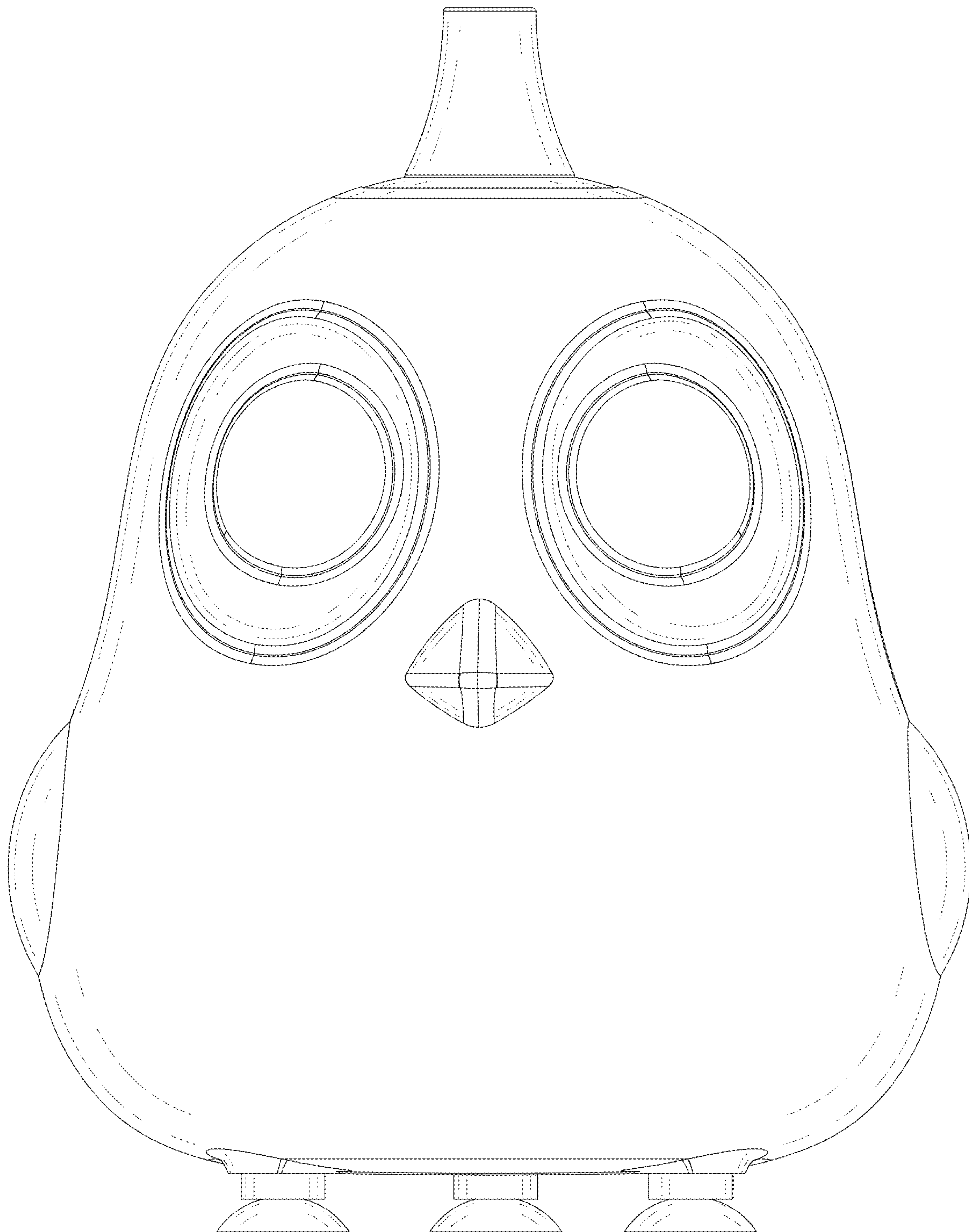


FIG. 3

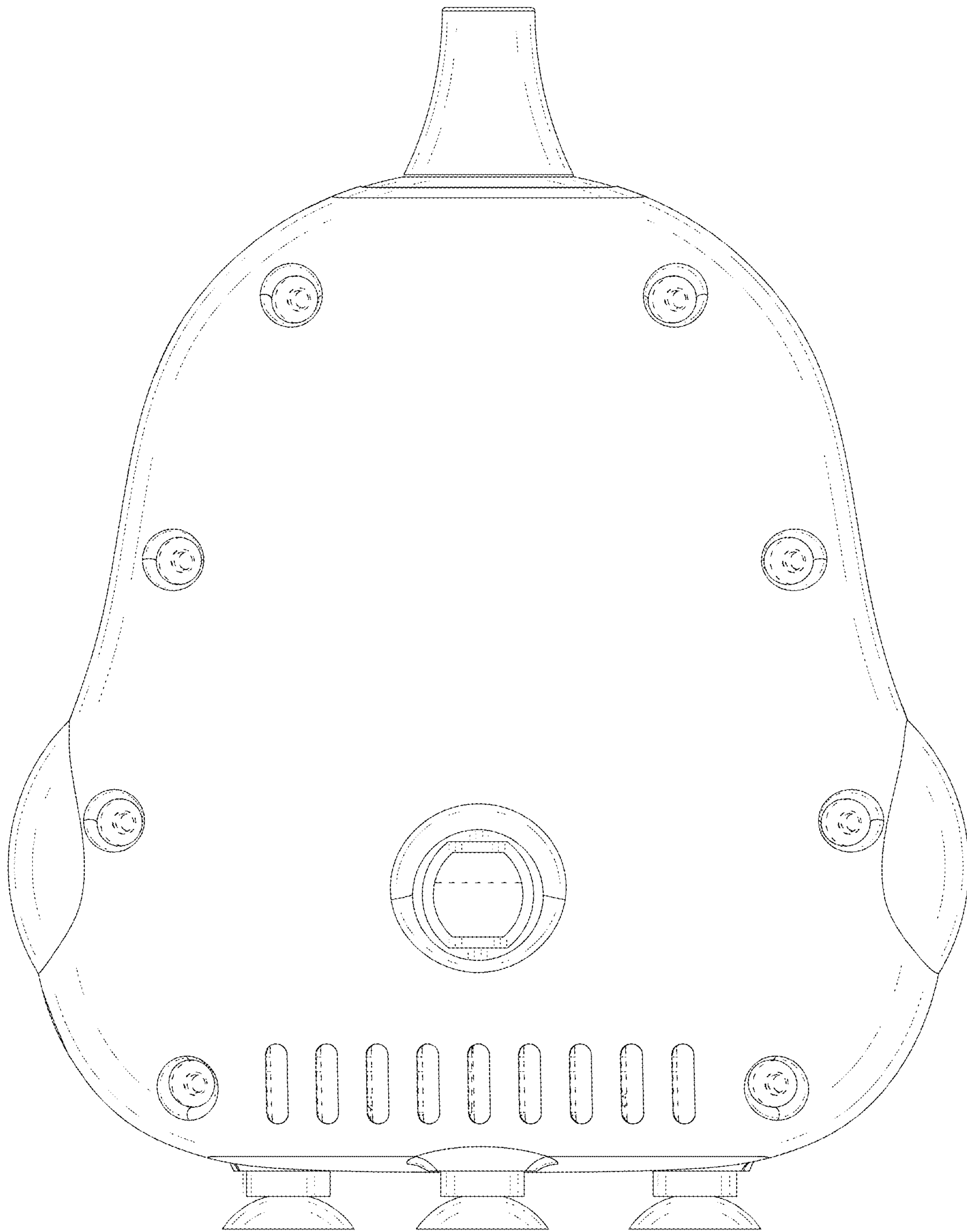


FIG. 4

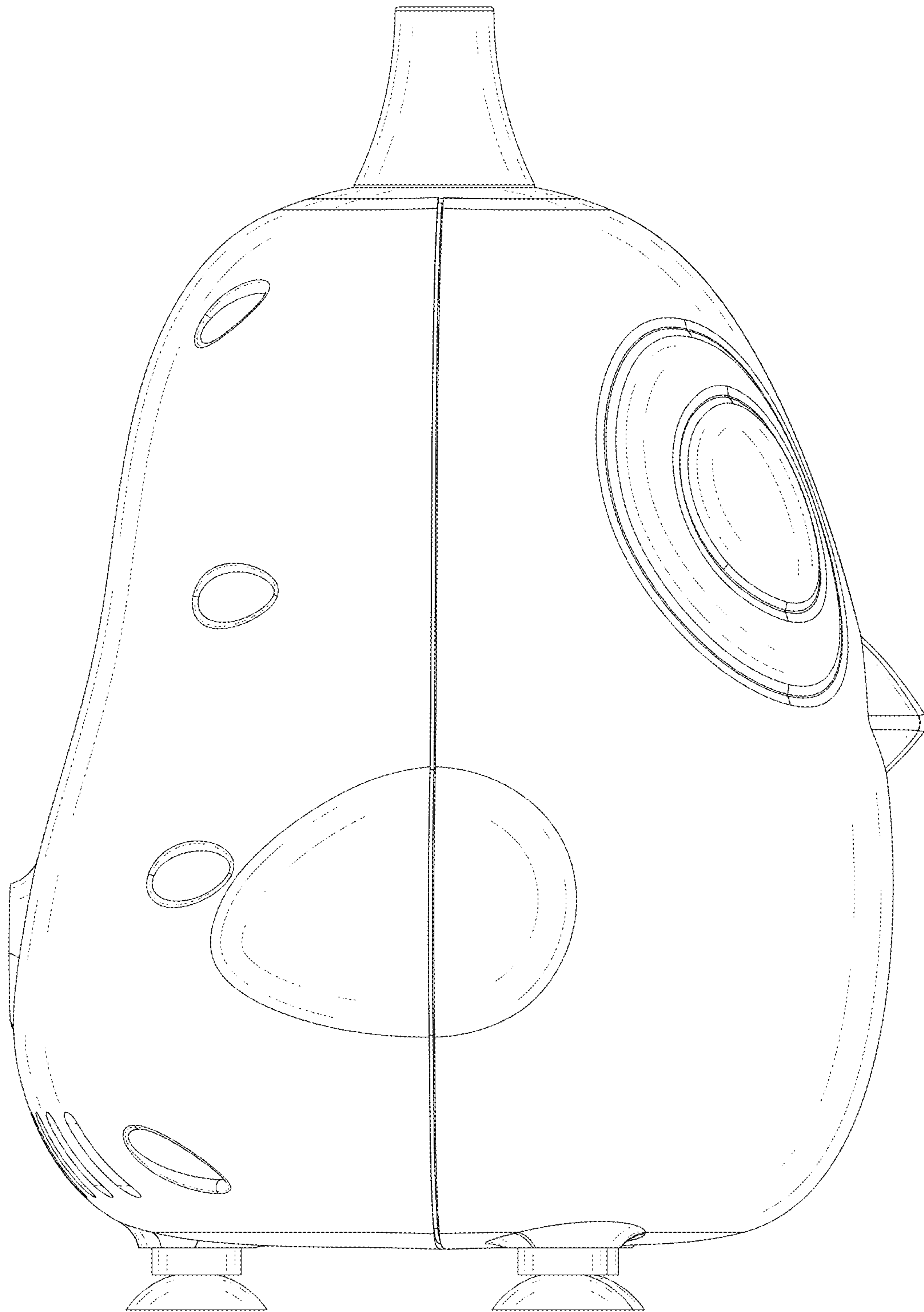


FIG. 5

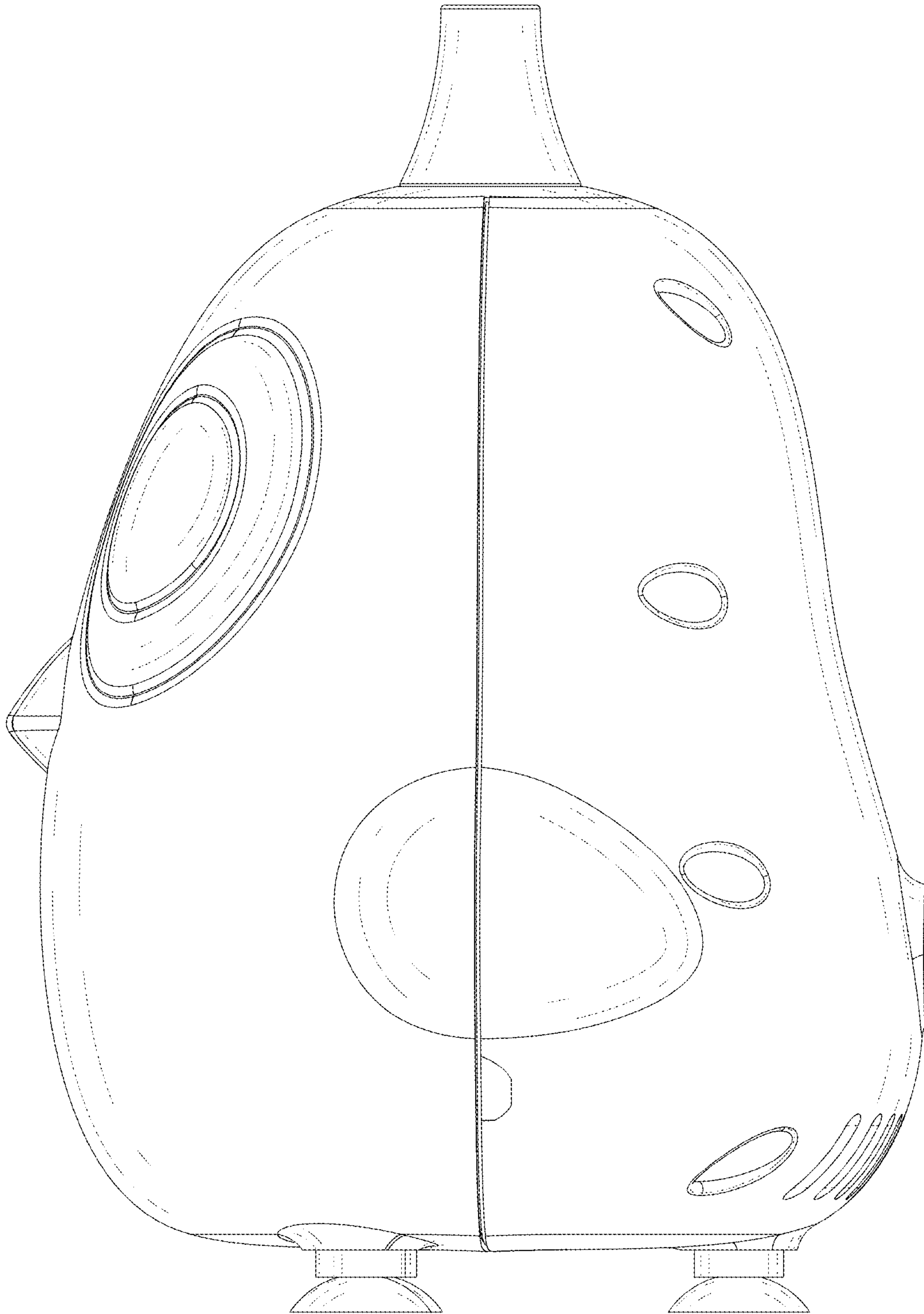


FIG. 6

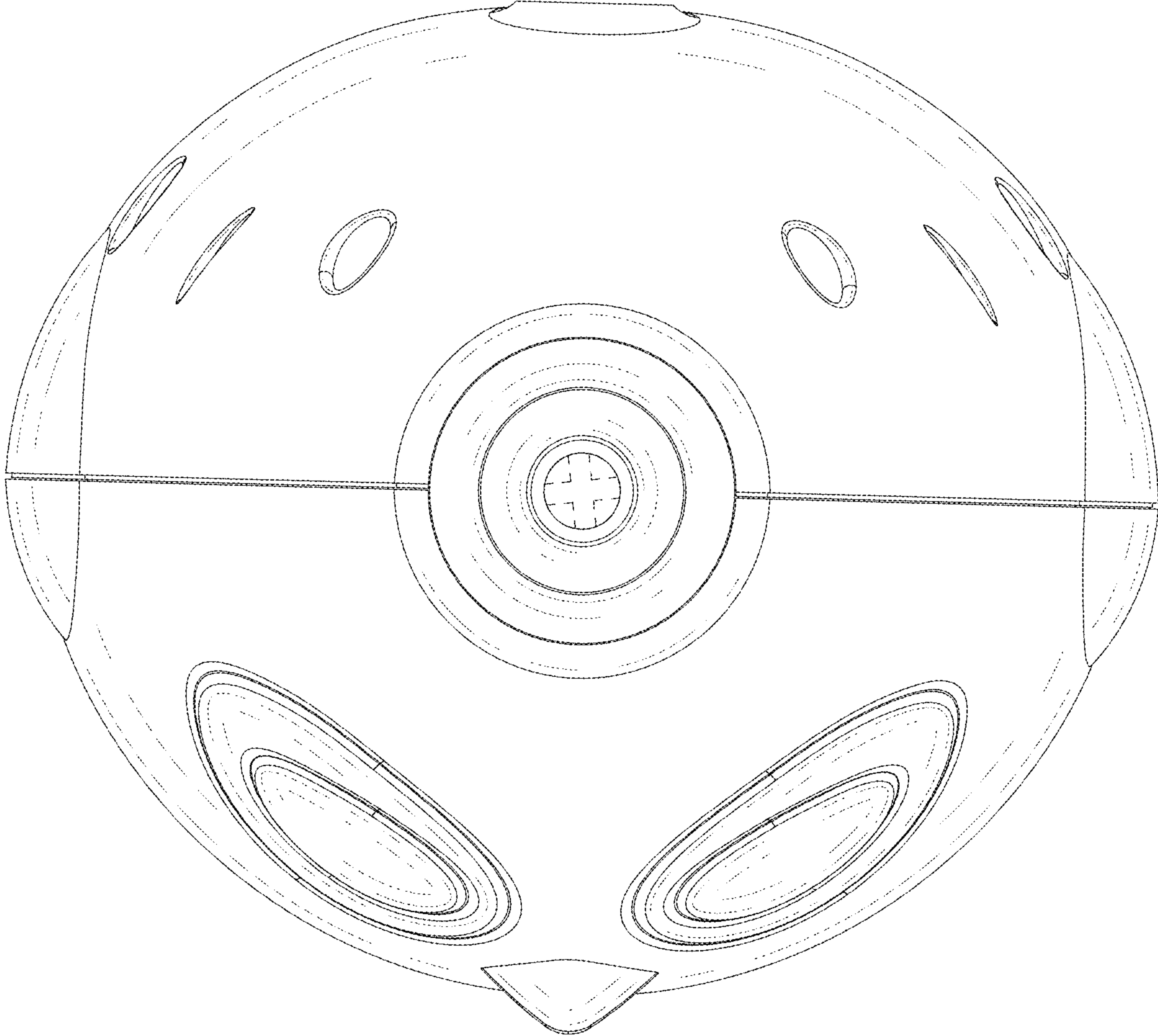


FIG. 7

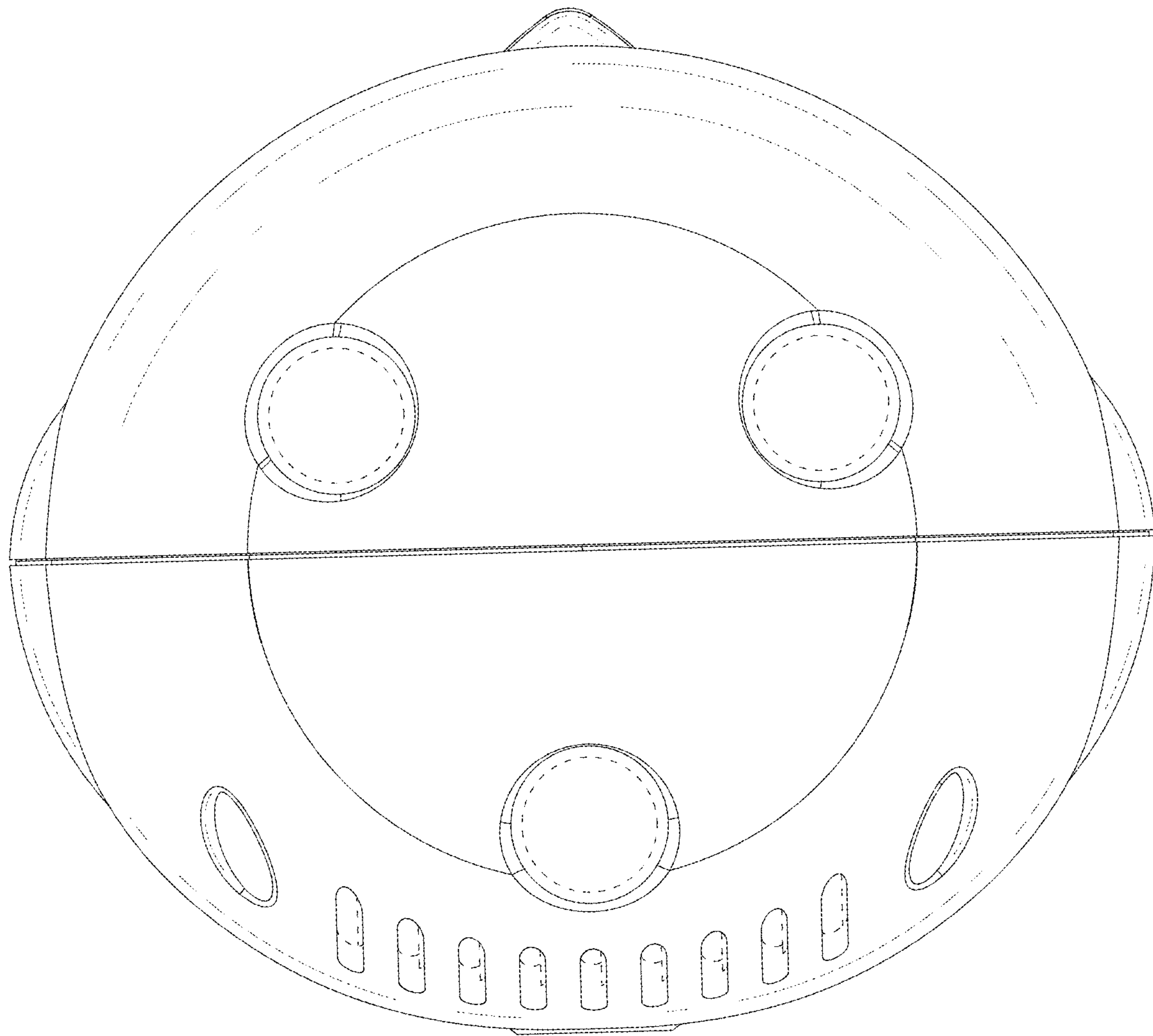


FIG. 8