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(12) **United States Design Patent** (10) **Patent No.:** **US D863,453 S**
Xu (45) **Date of Patent:** **** Oct. 15, 2019**

(54) **BUBBLE MACHINE**
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(**) Term: **15 Years**
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(52) **U.S. Cl.**
USPC **D21/401; D21/576; D21/604**
(58) **Field of Classification Search**
USPC D21/303, 398, 401, 405, 473, 483, 516, D21/523, 524, 526, 576, 578, 585, 594, D21/596-659; D3/271.2, 271.3; D6/539; D7/506, 516, 517, 539, 544, 551.3, 556, D7/573, 578, 579, 301, 593, 595, 599, D7/613, 619.2, 623, 710, 628, 636, 639; D9/600-630; D11/131.1, 149, 150, 157, D11/158; D23/367; D19/77, 82, 97; D99/28, 38-40; 446/15-21, 71-74, 76, 446/176, 178, 199, 201, 213, 217, 218, 446/475, 484, 487, 491
CPC A63H 33/00; A63H 33/26; A63H 33/28; A63H 3/003; A63H 3/005
See application file for complete search history.

7,470,165 B2 * 12/2008 Ivanic A63H 33/28 446/15
D608,845 S * 1/2010 Tang D21/585
7,766,716 B2 * 8/2010 Fong A63H 3/16 446/99
D627,403 S * 11/2010 Lo D21/401
D630,258 S * 1/2011 Ivanic D21/401
D631,786 S * 2/2011 Palmer D11/158
D637,240 S * 5/2011 Ivanic D21/401
D640,753 S * 6/2011 Ivanic D21/401
D685,438 S * 7/2013 Fan D15/199
D716,381 S * 10/2014 Lo D21/401
D803,947 S * 11/2017 Lo D21/401
D807,965 S * 1/2018 Lo D21/401
(Continued)

FOREIGN PATENT DOCUMENTS

CA 2196654 A1 * 8/1998 A63H 33/28
CN 301376041 * 11/2010
(Continued)

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(57) **CLAIM**

The ornamental design for a bubble machine, as shown and described.

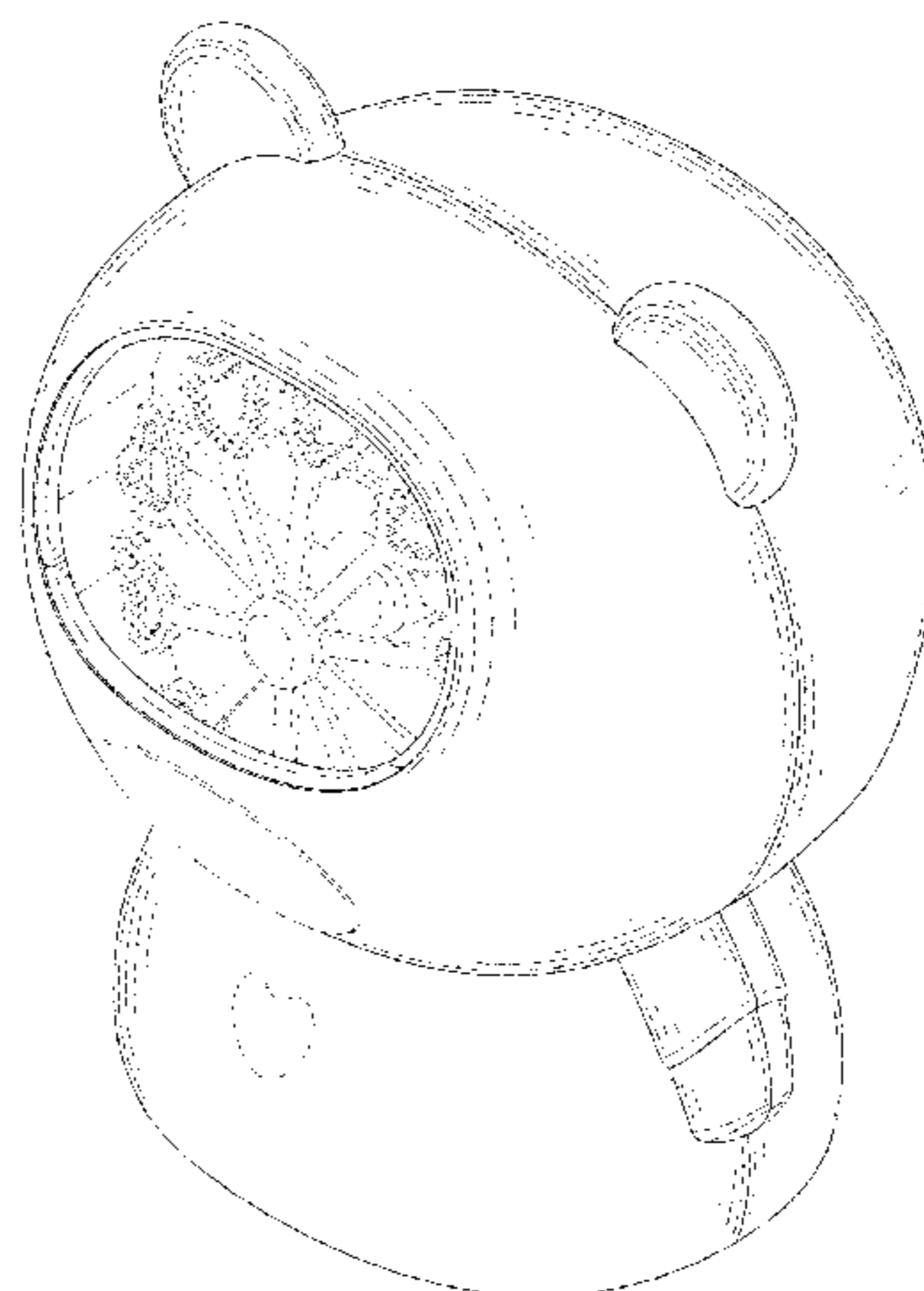
DESCRIPTION

FIG. 1 is a first perspective view of a bubble machine showing the claimed new design.
FIG. 2 is a second perspective view thereof.
FIG. 3 is a front elevation view thereof.
FIG. 4 is a rear elevation view thereof.
FIG. 5 is a left side elevation view thereof.
FIG. 6 is a right side elevation view thereof.
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines are environmental structures and form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS

3,388,498 A * 6/1968 Greene A63H 33/28 446/16
D222,842 S * 1/1972 Merck et al. D34/4
D366,075 S * 1/1996 Bhandhugravi D11/121
D504,708 S * 5/2005 Wang D21/630



(56)

References Cited

U.S. PATENT DOCUMENTS

D846,663 S * 4/2019 Guo D21/576
D851,179 S * 6/2019 Kao D21/473
2007/0270073 A1* 11/2007 Thai A63H 33/28
446/15
2012/0220184 A1* 8/2012 Orem A63H 33/28
446/16

FOREIGN PATENT DOCUMENTS

CN 301999032 * 7/2012
CN 303070501 * 1/2015
CN 304462266 * 1/2018
CN 304515202 * 2/2018
CN 304599912 * 4/2018
EM 005623667-0001 * 9/2018
KR 300721112.0000 * 12/2013
KR 300800565.0000 * 6/2015

* cited by examiner

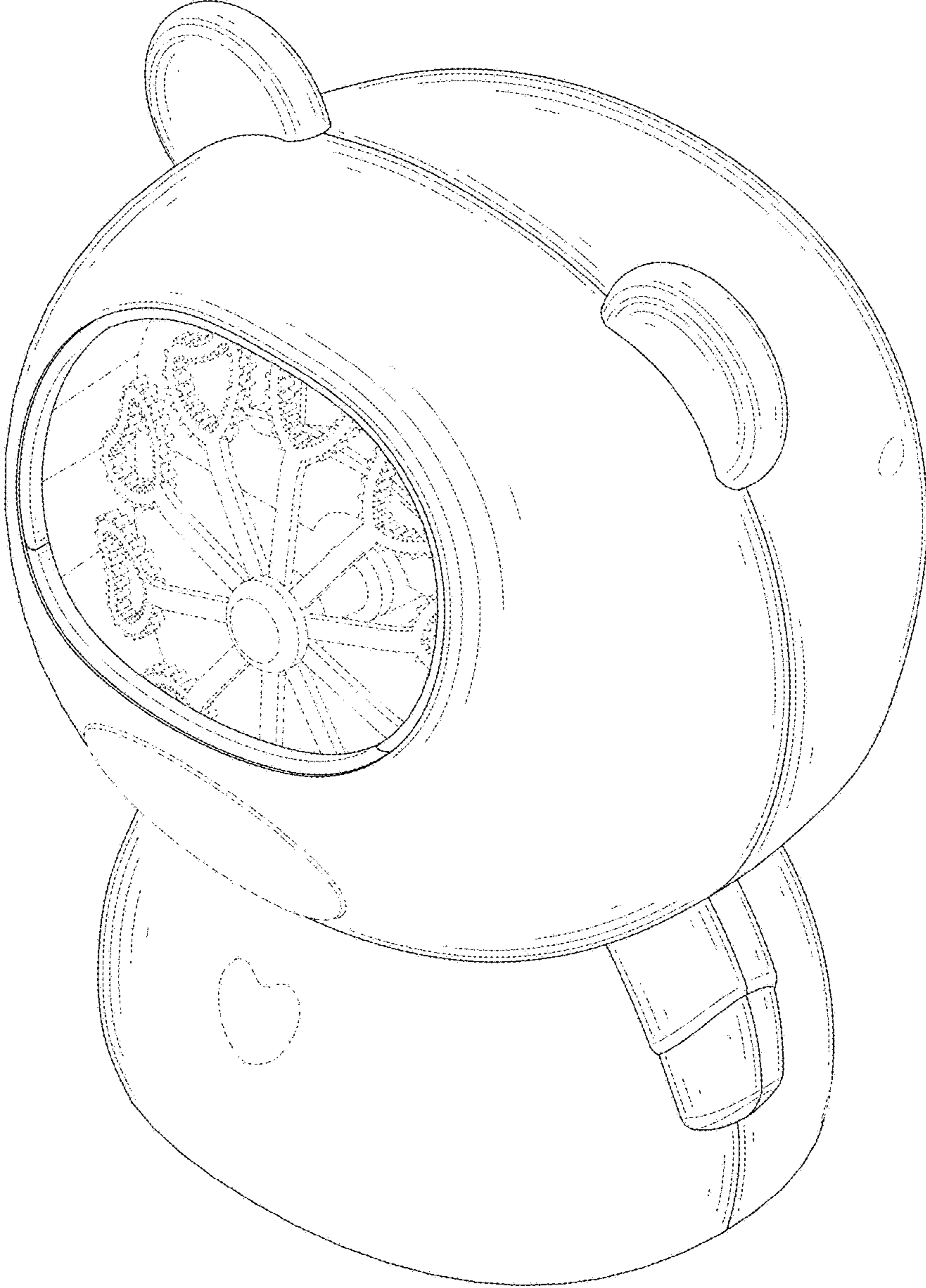


FIG. 1

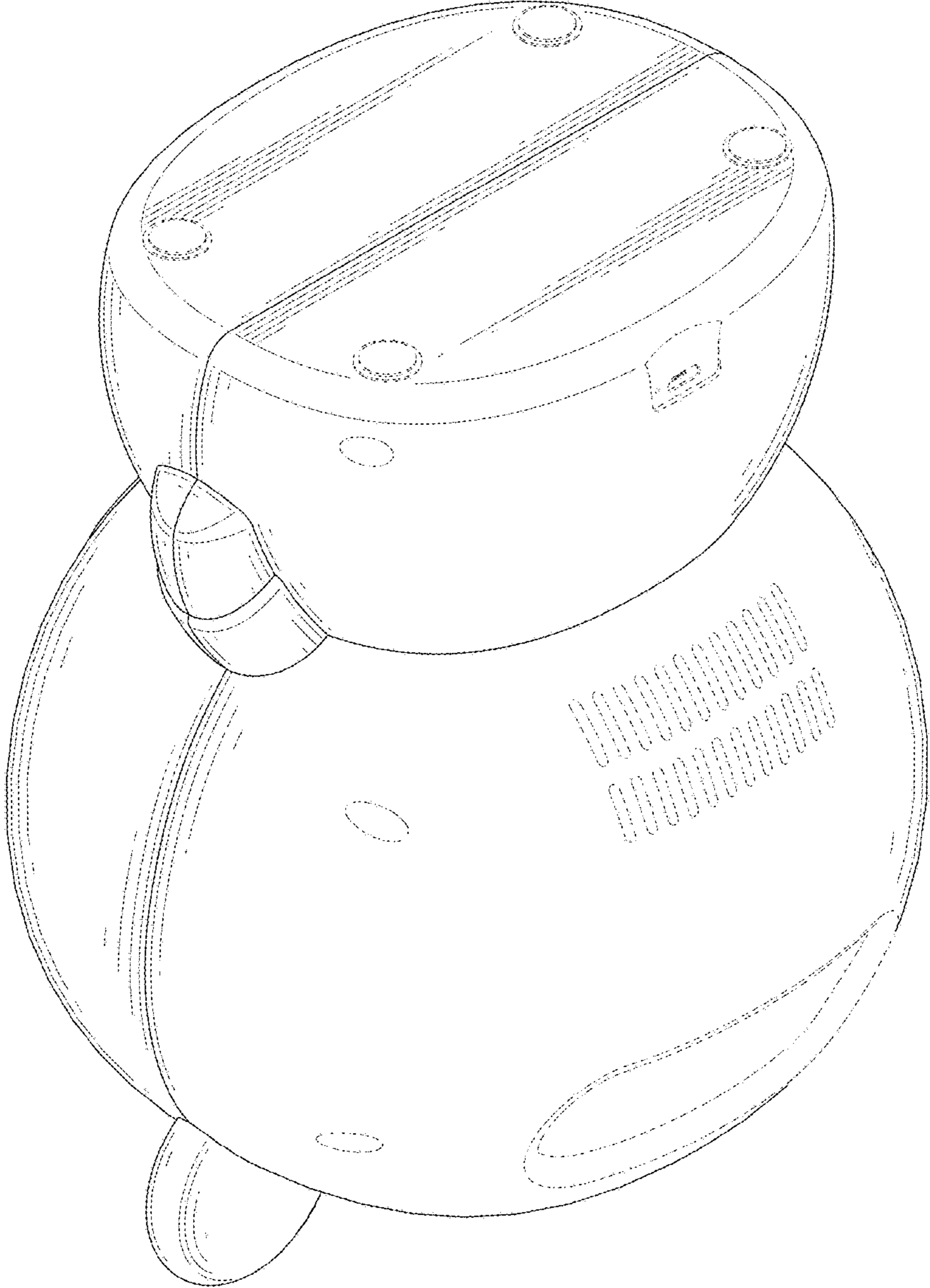


FIG. 2

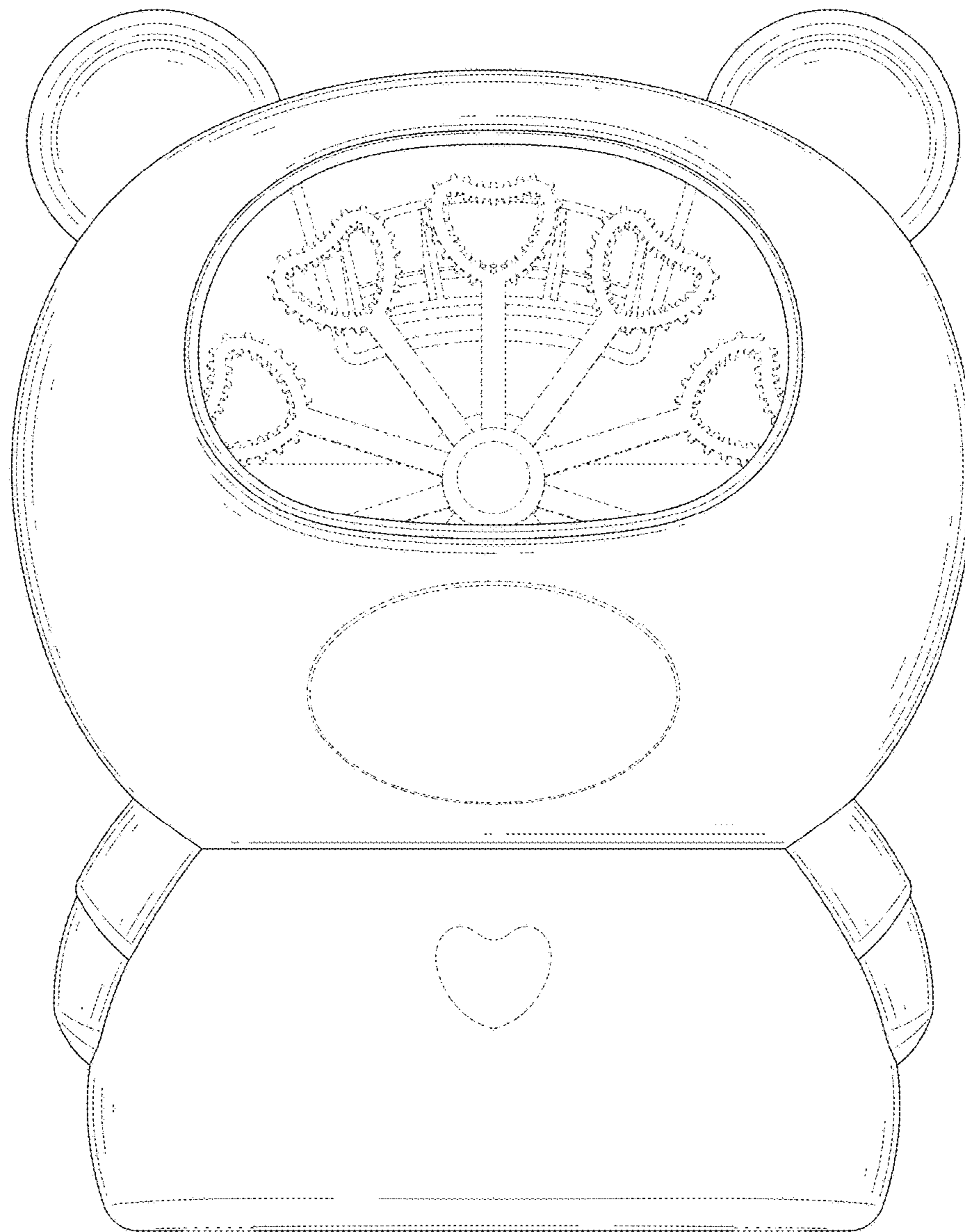


FIG. 3

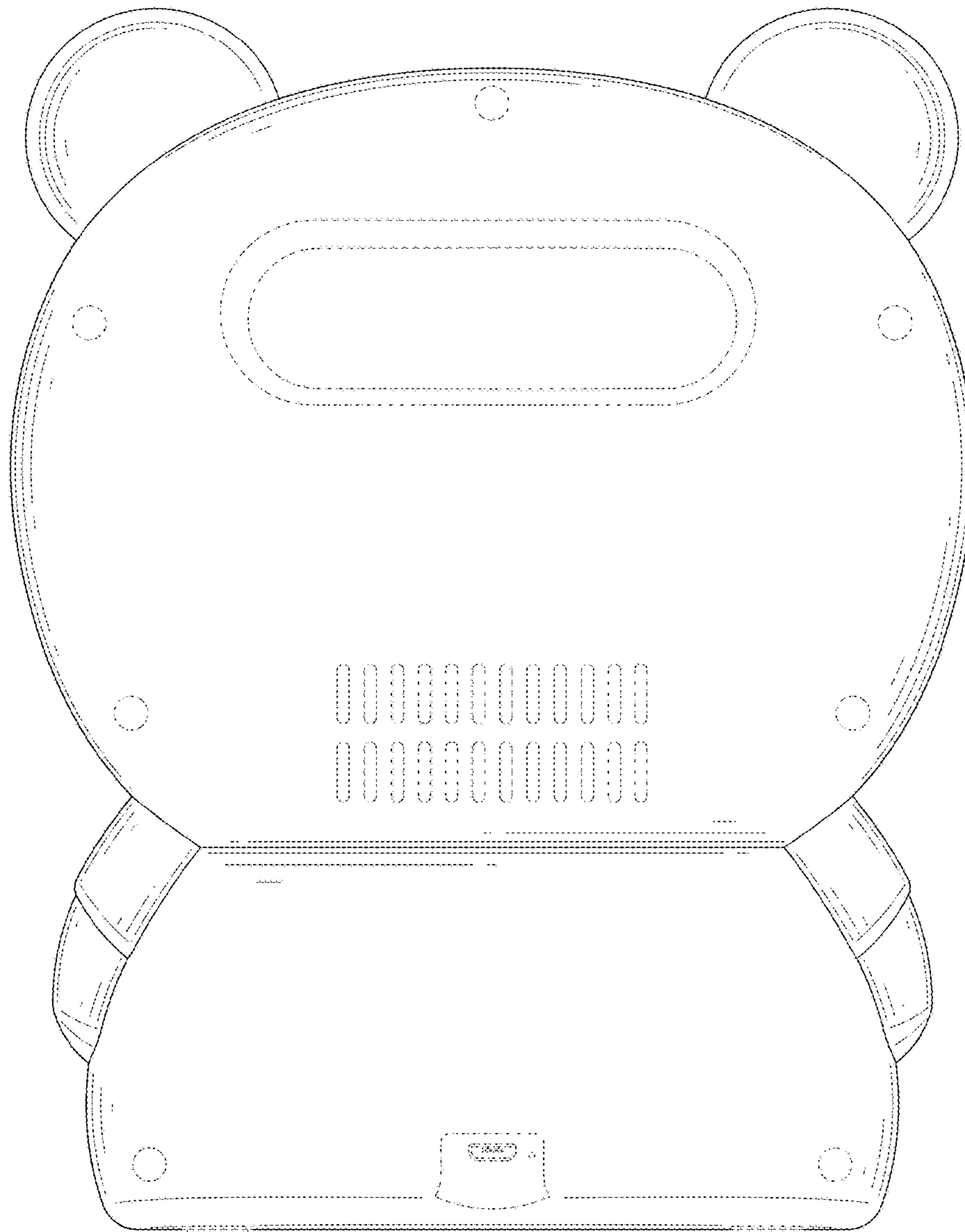


FIG. 4

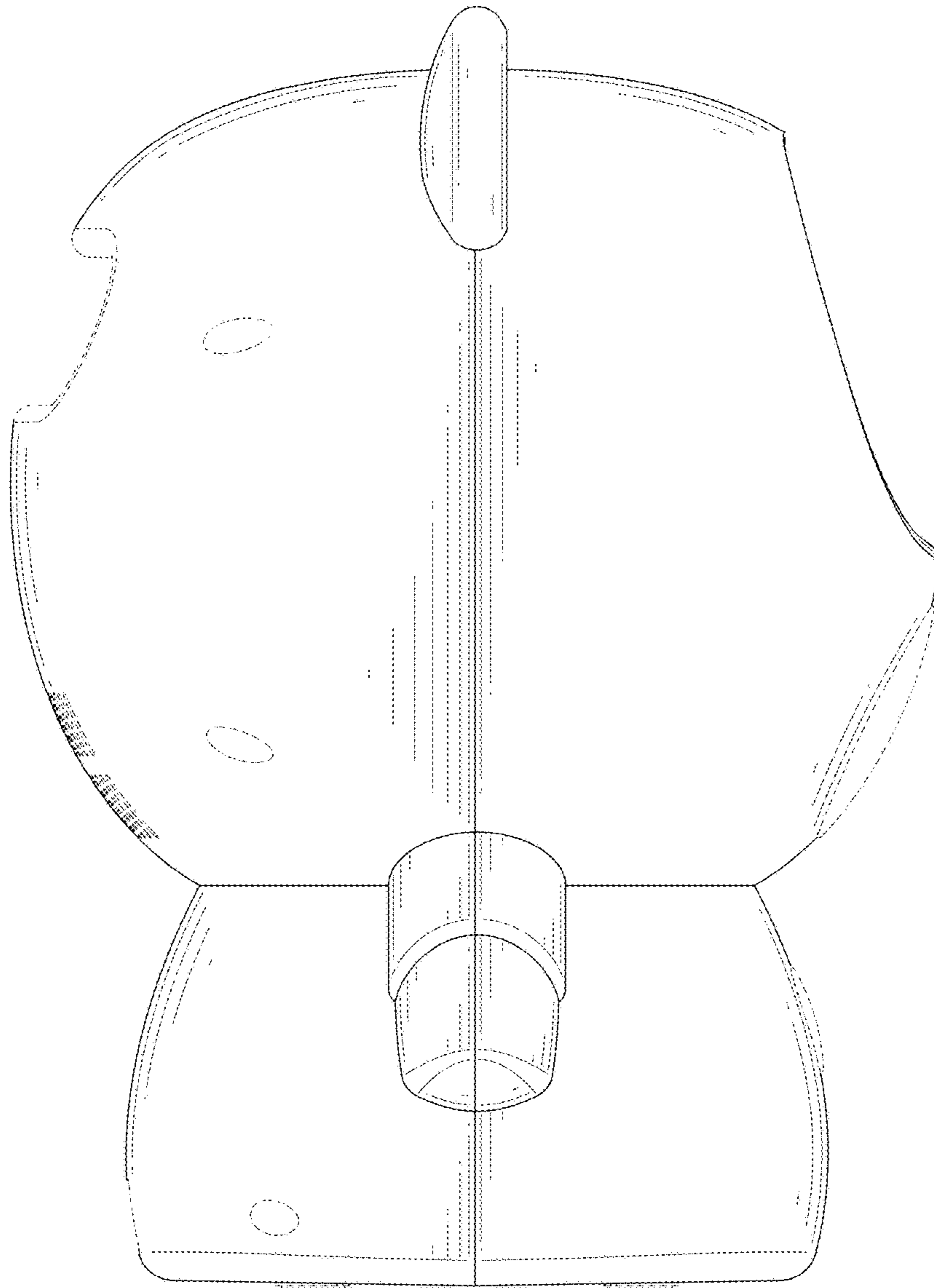


FIG. 5

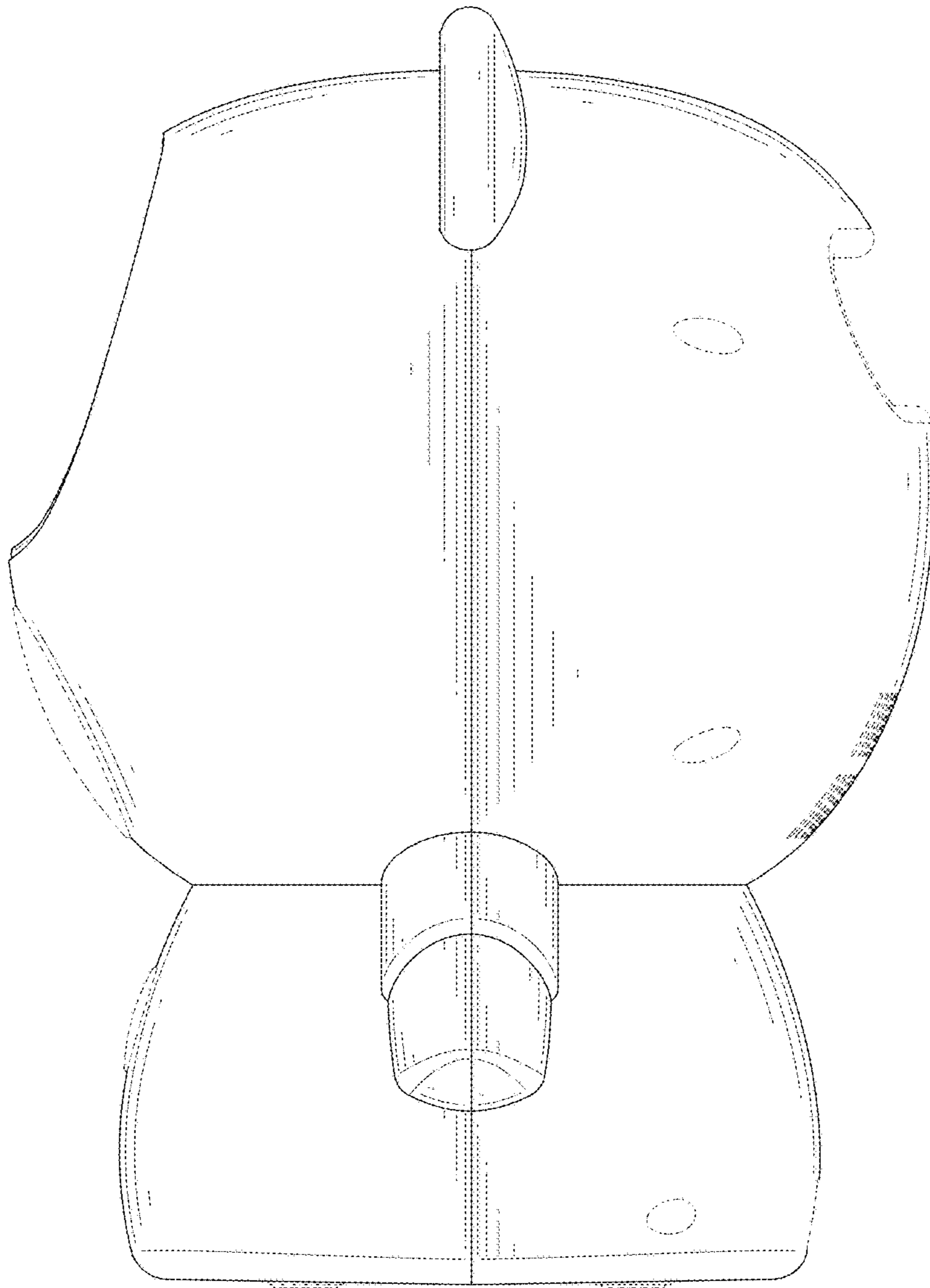


FIG. 6

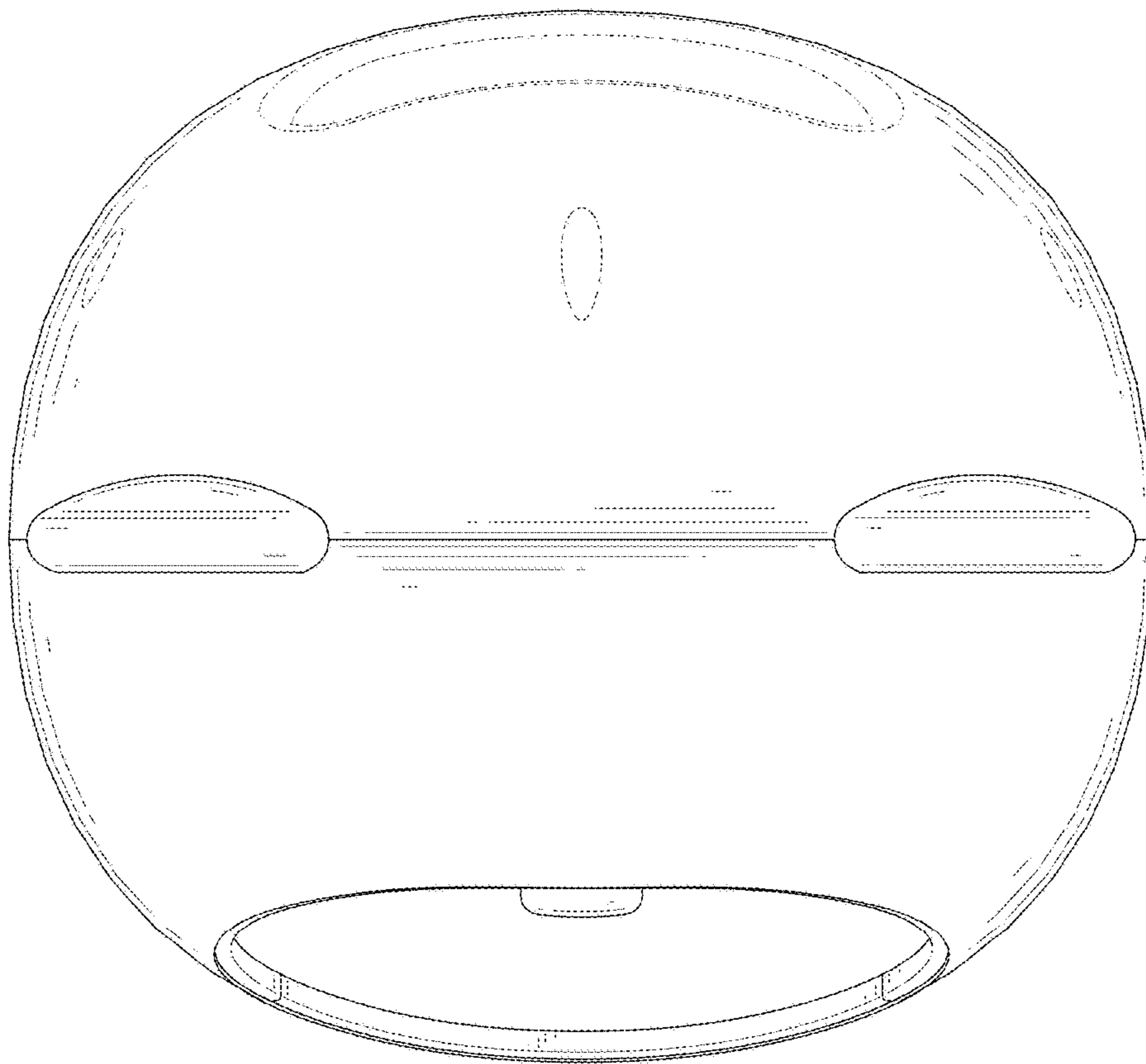


FIG. 7

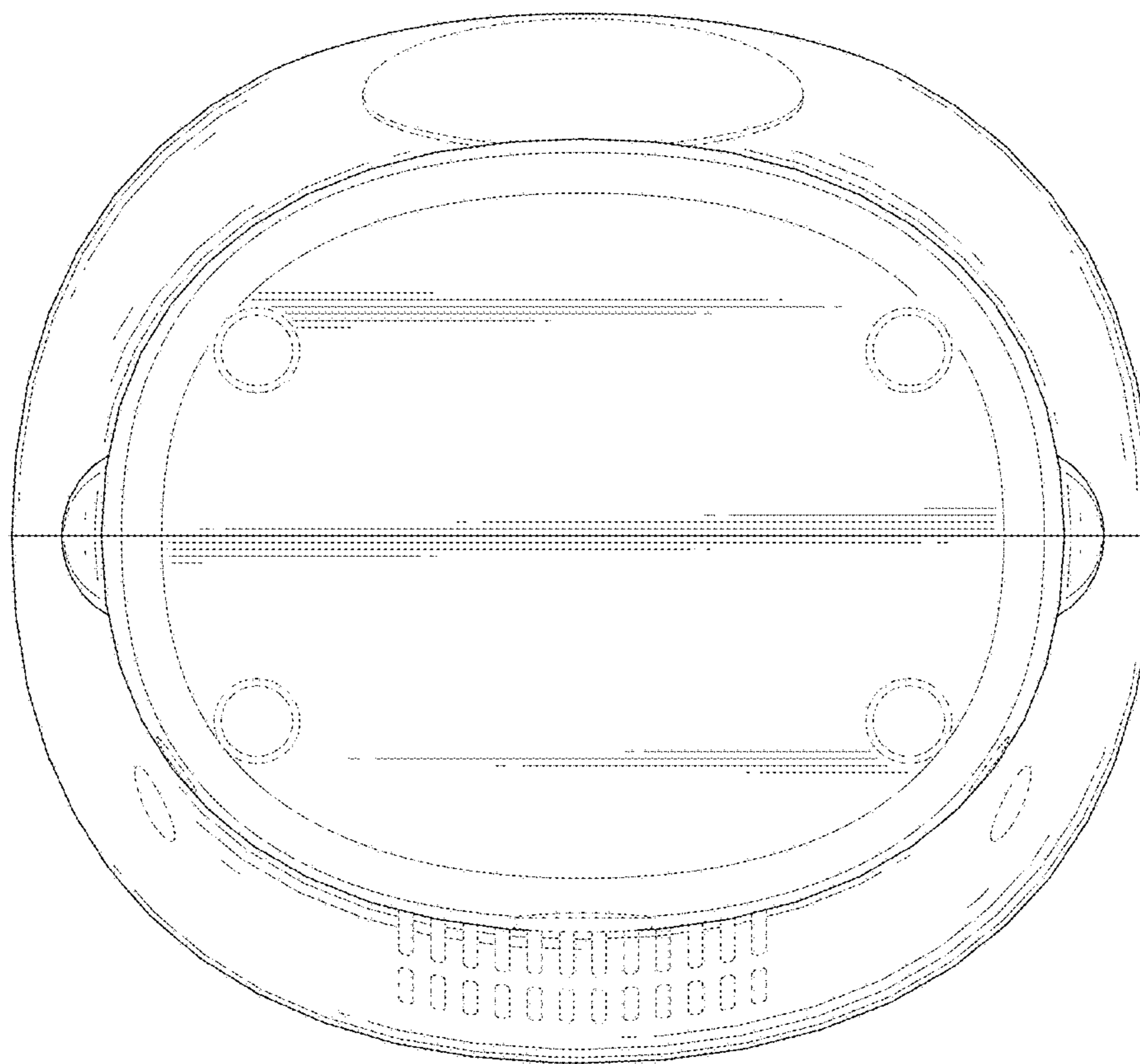


FIG. 8