



US00D771332S

(12) **United States Design Patent** (10) **Patent No.:** **US D771,332 S**
Verhoorn et al. (45) **Date of Patent:** **** Nov. 8, 2016**

(54) **CLEANING ROBOT**

(71) Applicant: **iRobot Corporation**, Bedford, MA
(US)

(72) Inventors: **Derek Verhoorn**, Chelmsford, MA
(US); **Stuart Jang**, Sudbury, MA (US)

(73) Assignee: **iRobot Corporation**, Bedford, MA
(US)

(**) Term: **14 Years**

(21) Appl. No.: **29/517,442**

(22) Filed: **Feb. 12, 2015**

(51) **LOC (10) Cl.** **15-05**

(52) **U.S. Cl.**
USPC **D32/21**

(58) **Field of Classification Search**

USPC D32/17-18, 21-22, 31-34
CPC A47L 19/02; A47L 19/2842; A47L
19/0461; A47L 5/24; E04H 4/1654; E04H
4/169; E04H 4/1609; E04H 4/1618; E04H
4/1636; E04H 4/16; E01H 1/0836

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D556,961 S * 12/2007 Swyst D15/199
D659,311 S 5/2012 Geringer et al.

D660,530 S * 5/2012 Geringer D32/21
D670,877 S * 11/2012 Geringer D32/21
D690,478 S * 9/2013 Li D32/21
D714,002 S * 9/2014 Casini D32/21
8,881,339 B2 11/2014 Gilbert et al.
8,955,192 B2 2/2015 Gilbert et al.
2016/0183752 A1 * 6/2016 Morin F24F 3/1603
134/18

* cited by examiner

Primary Examiner — Ruth McInroy

(74) *Attorney, Agent, or Firm* — Fish & Richardson P.C.

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of a cleaning robot showing my new design;

FIG. 2 is a top view thereof;

FIG. 3 is a bottom view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a rear view thereof;

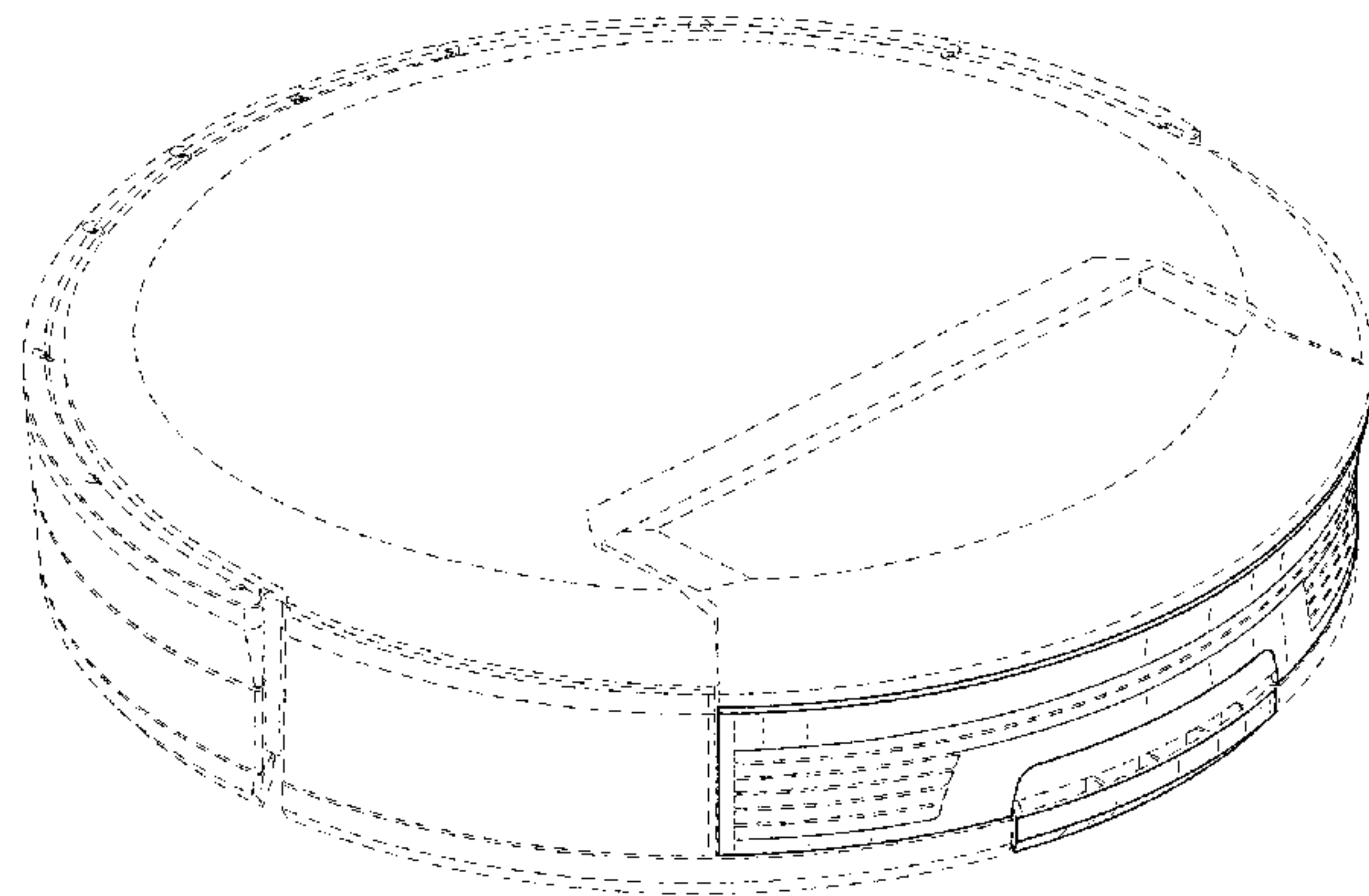
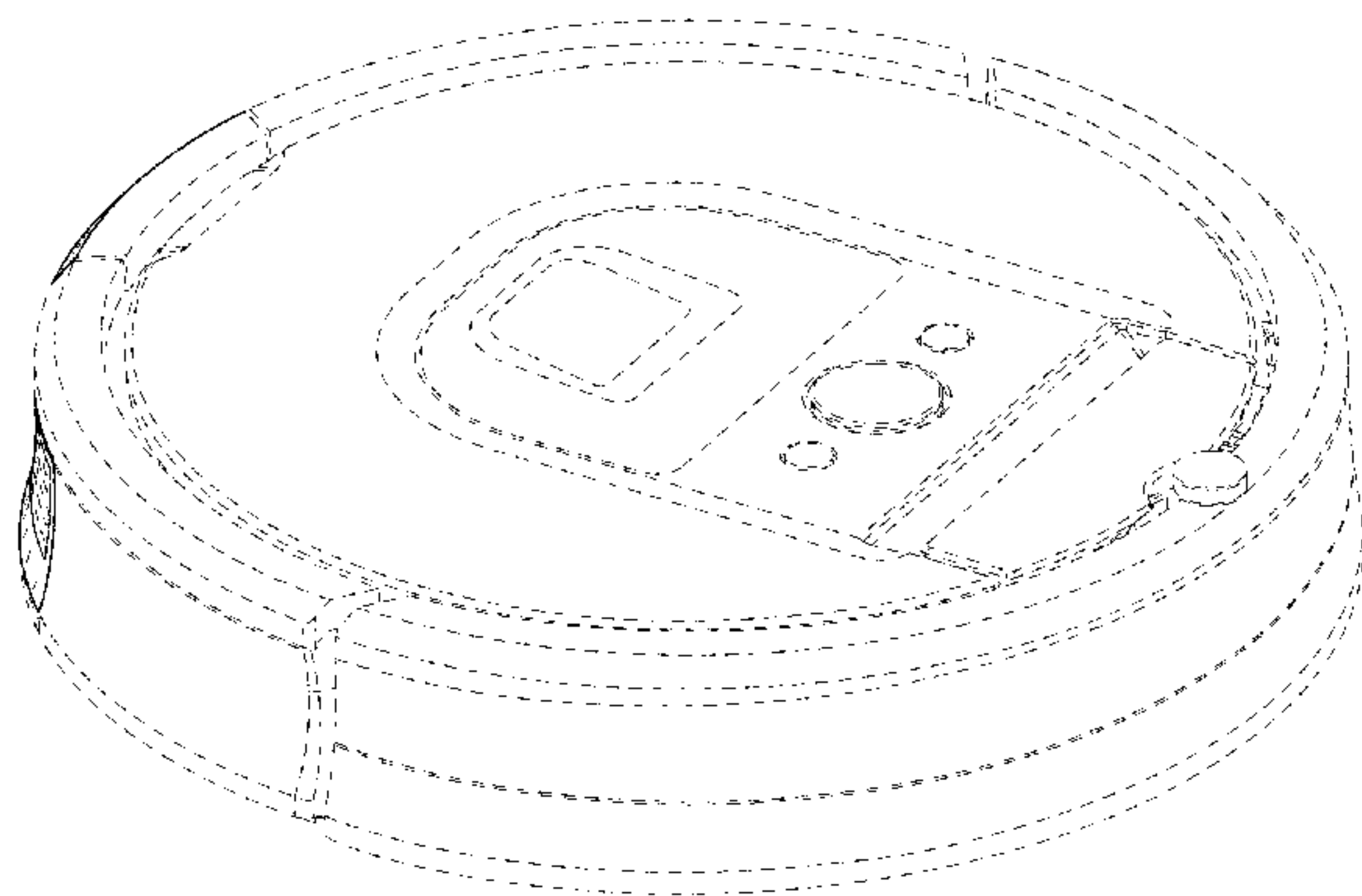
FIG. 6 is a front view thereof;

FIG. 7 is a left side view thereof; and,

FIG. 8 is a right side view thereof.

The broken lines indicate environmental features and bounds of the claimed design and form no part thereof.

1 Claim, 6 Drawing Sheets



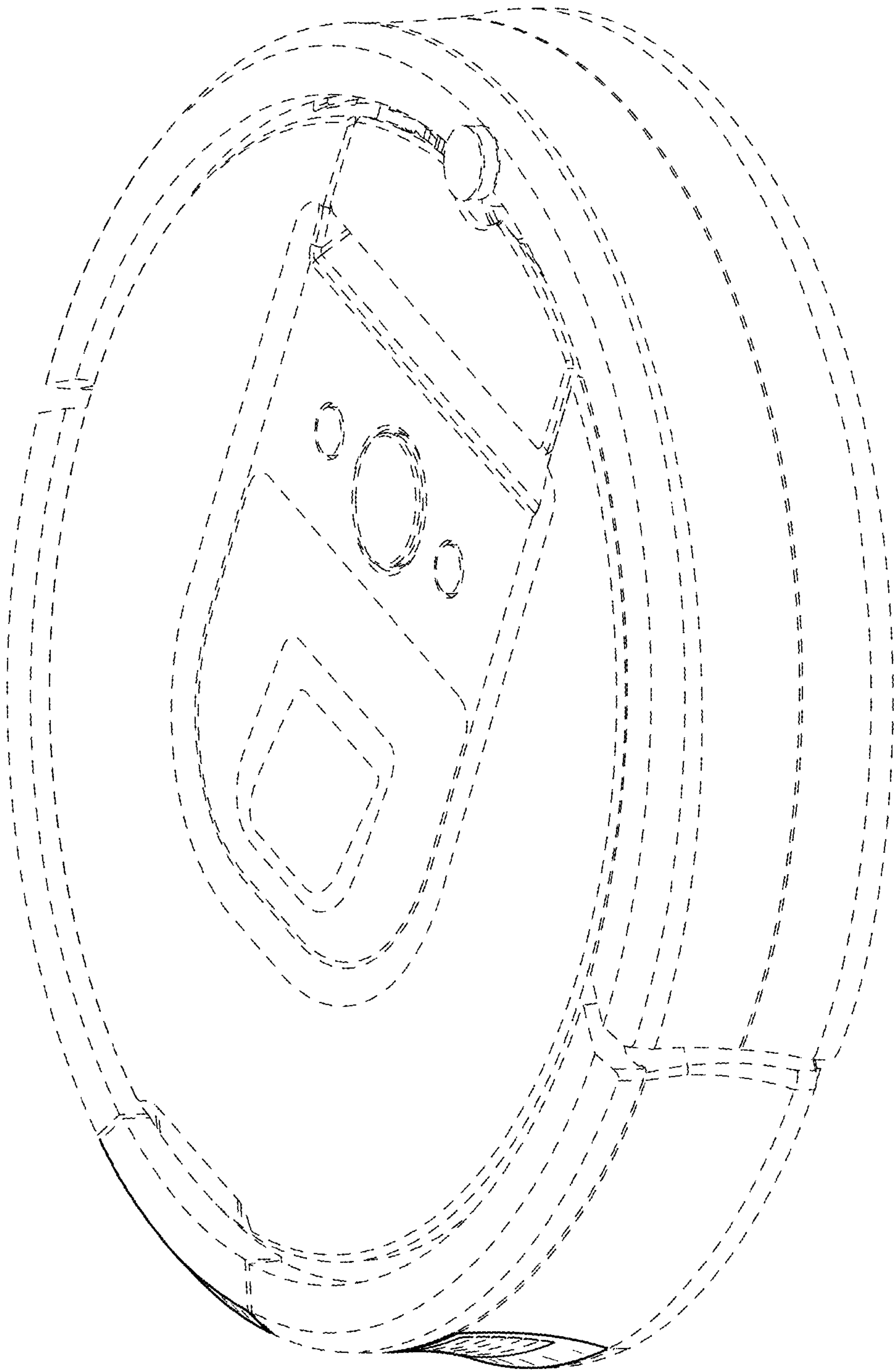


FIG. 1

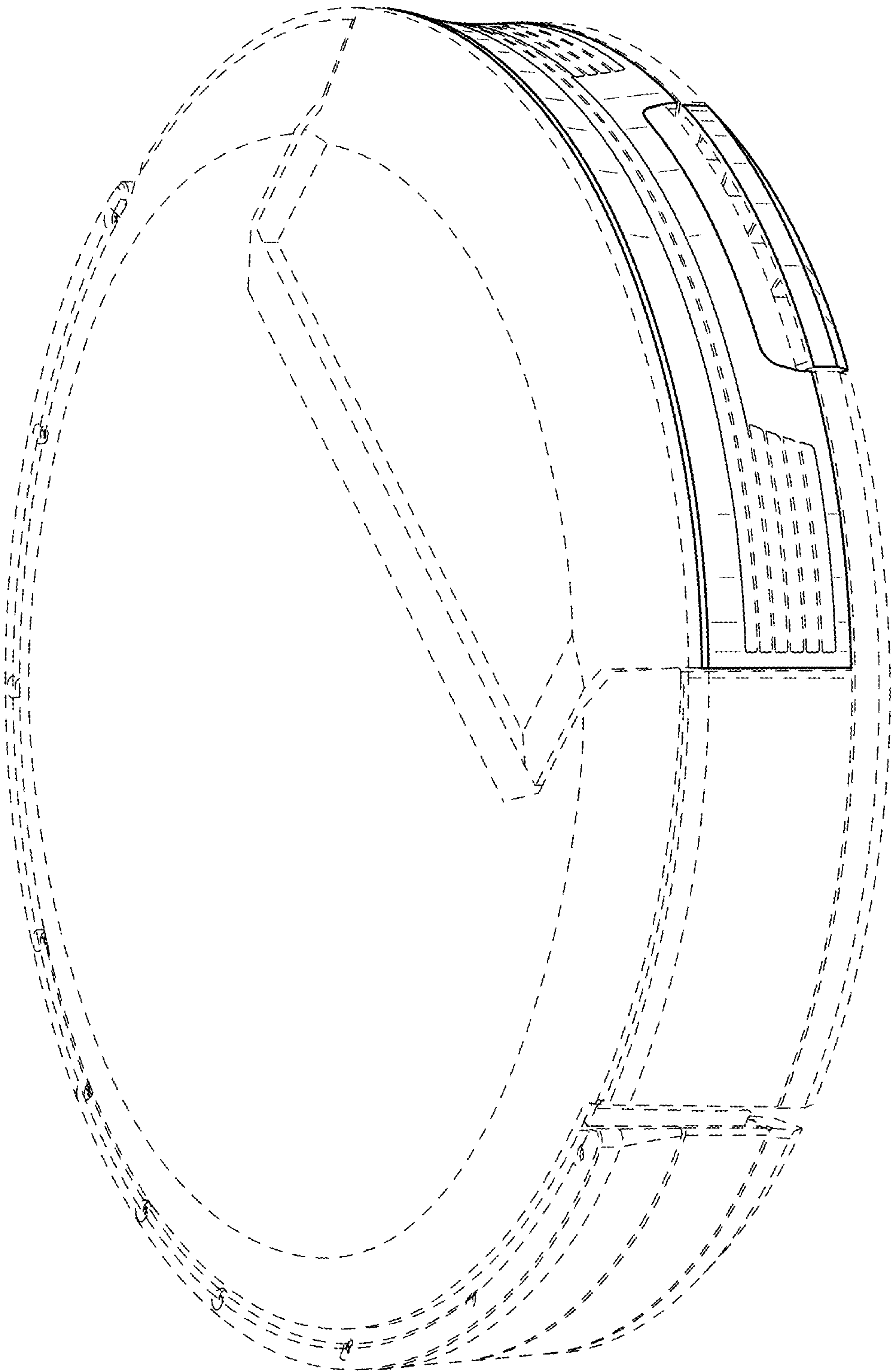


FIG. 2

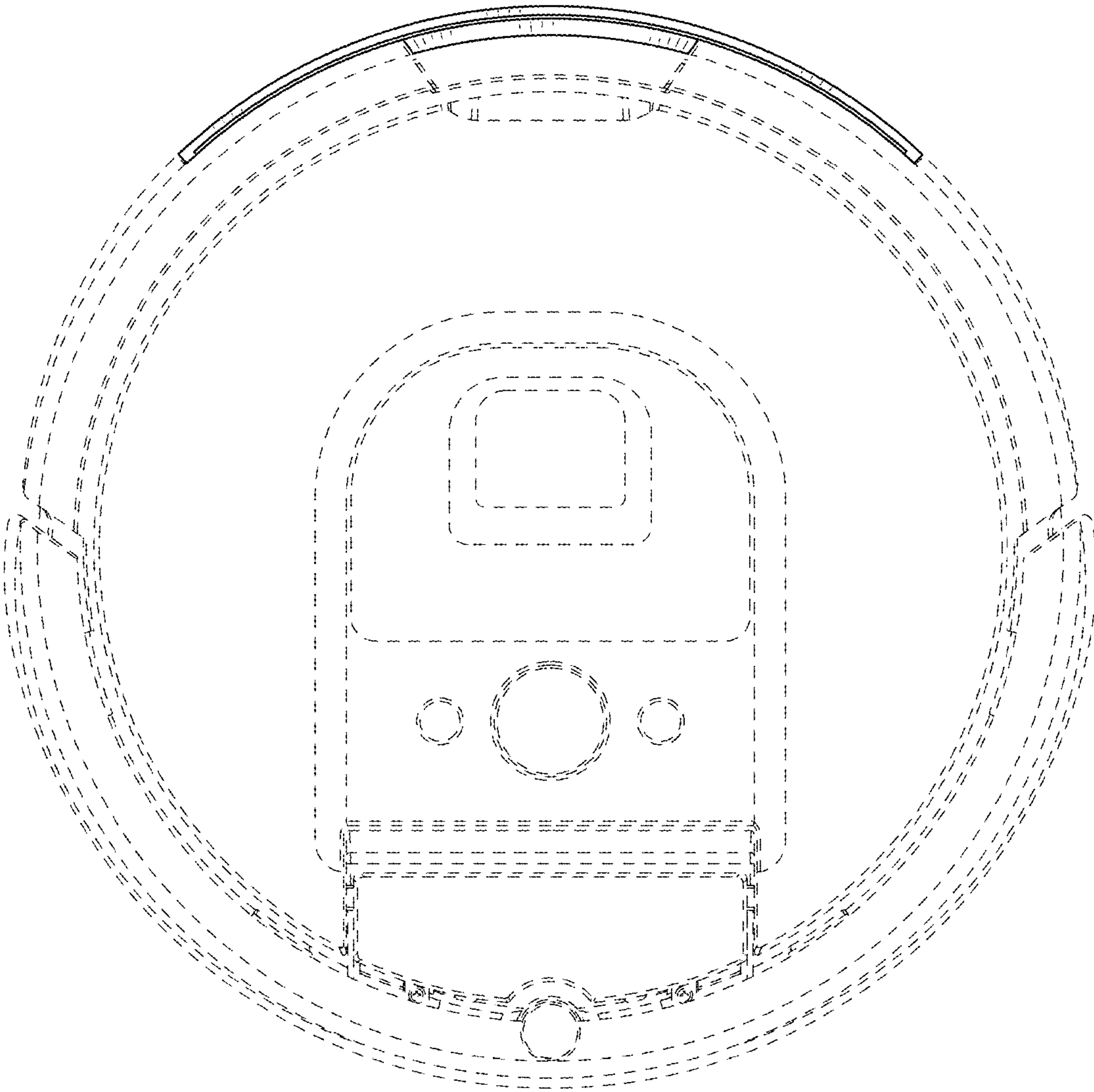


FIG. 3

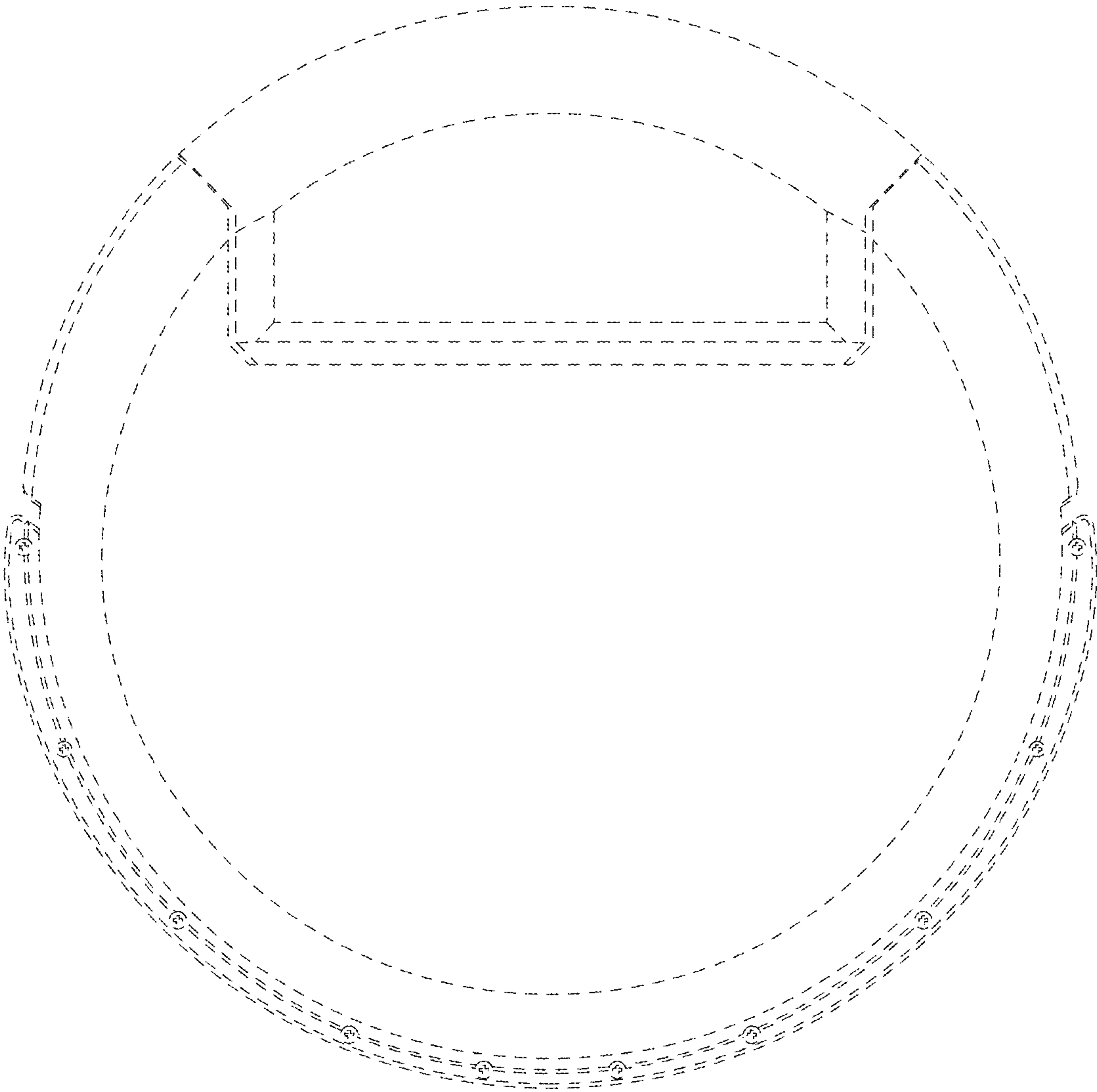


FIG. 4

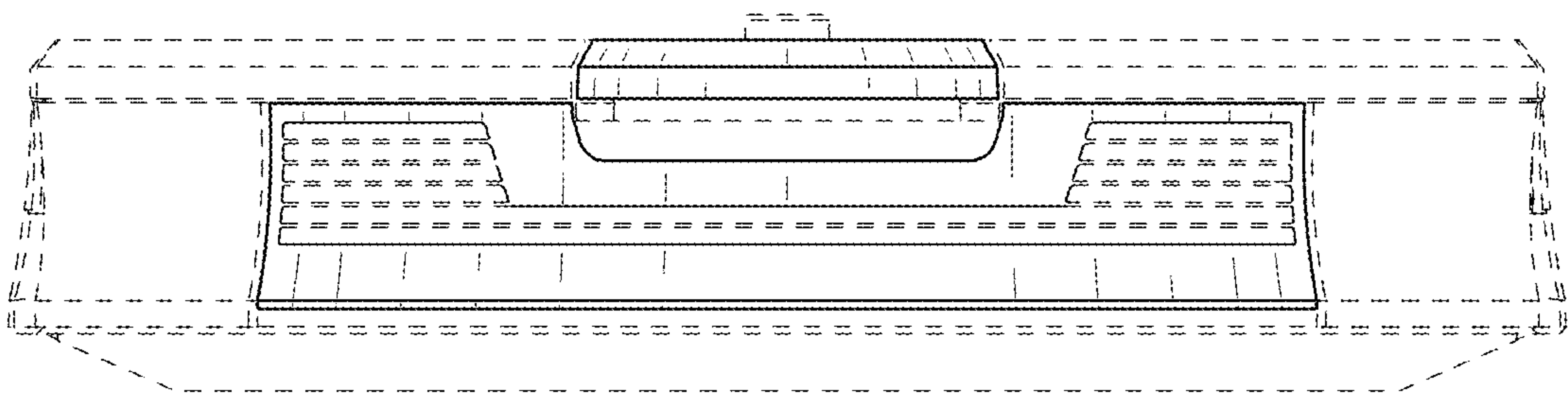


FIG. 5

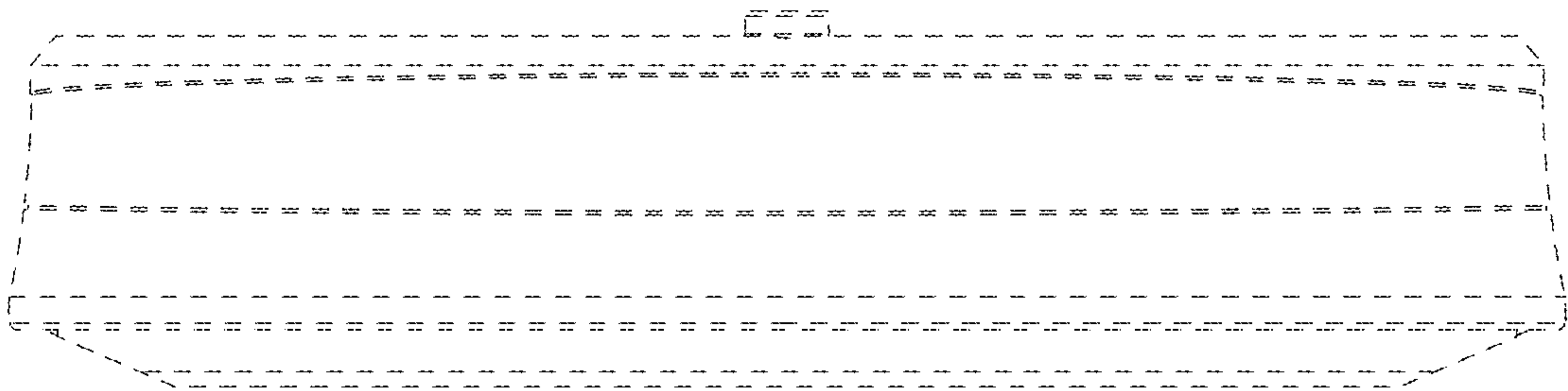


FIG. 6

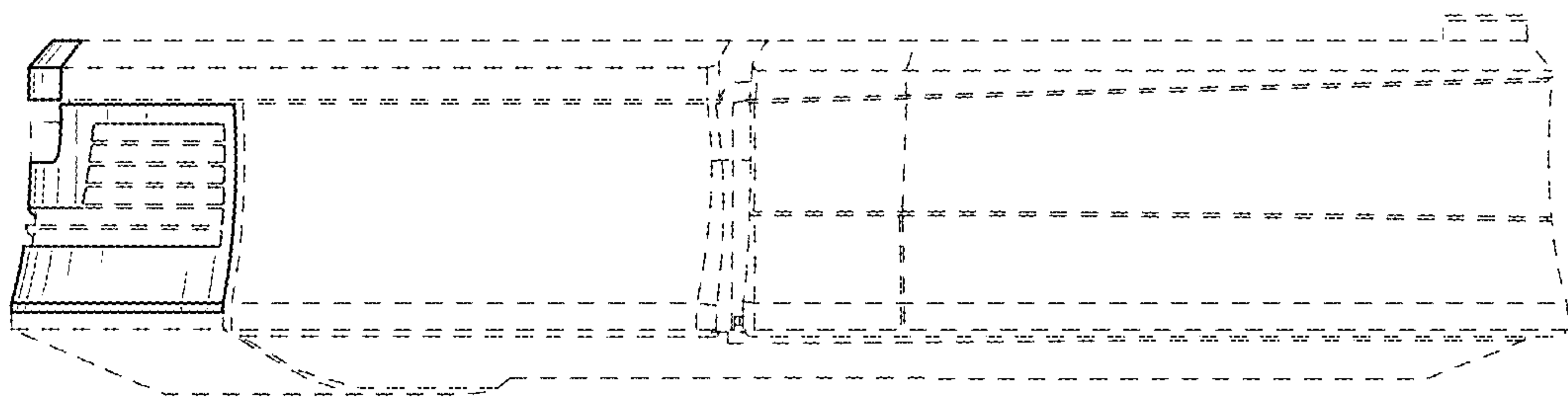


FIG. 7

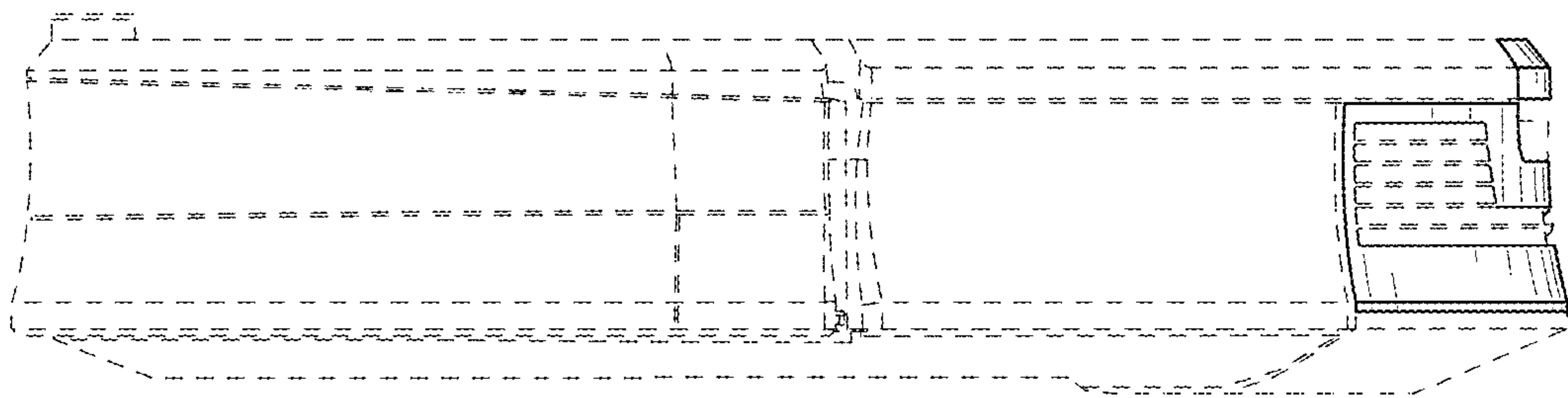


FIG. 8

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D771,332 S
APPLICATION NO. : 29/517442
DATED : November 8, 2016
INVENTOR(S) : Verhoorn et al.

Page 1 of 7

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Delete the title page and substitute therefore with the attached title page consisting of the corrected illustrative figure(s).

In the Drawings

Please replace FIGS. 1-7 with FIGS. 1-7 as shown on the attached pages.

Signed and Sealed this
Twenty-seventh Day of December, 2016

A handwritten signature in black ink, reading "Michelle K. Lee". The signature is fluid and cursive, with the first letters of each name being capitalized and prominent.

Michelle K. Lee
Director of the United States Patent and Trademark Office

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(57) **CLAIM**

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FIG. 5 is a rear view thereof;

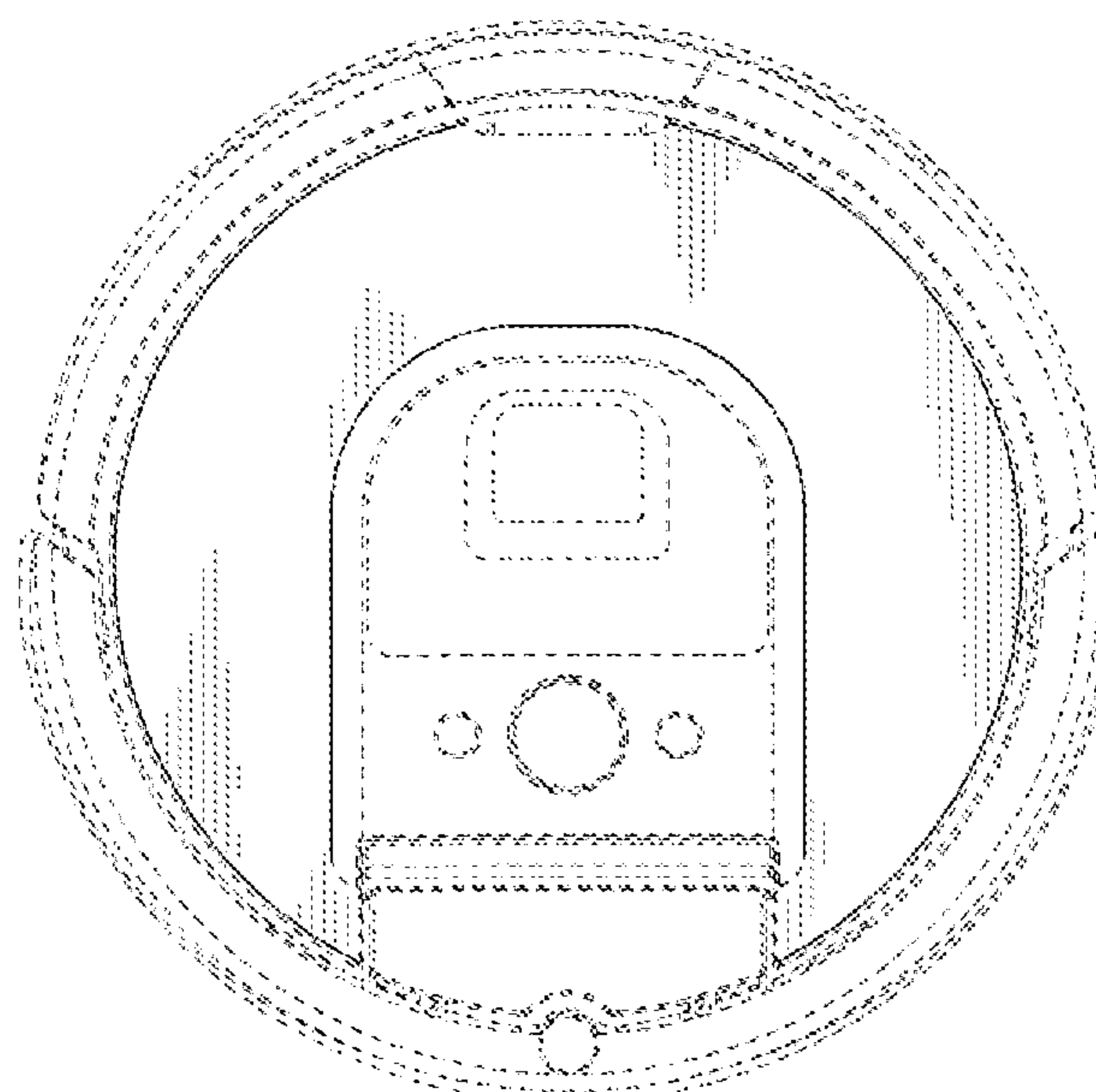
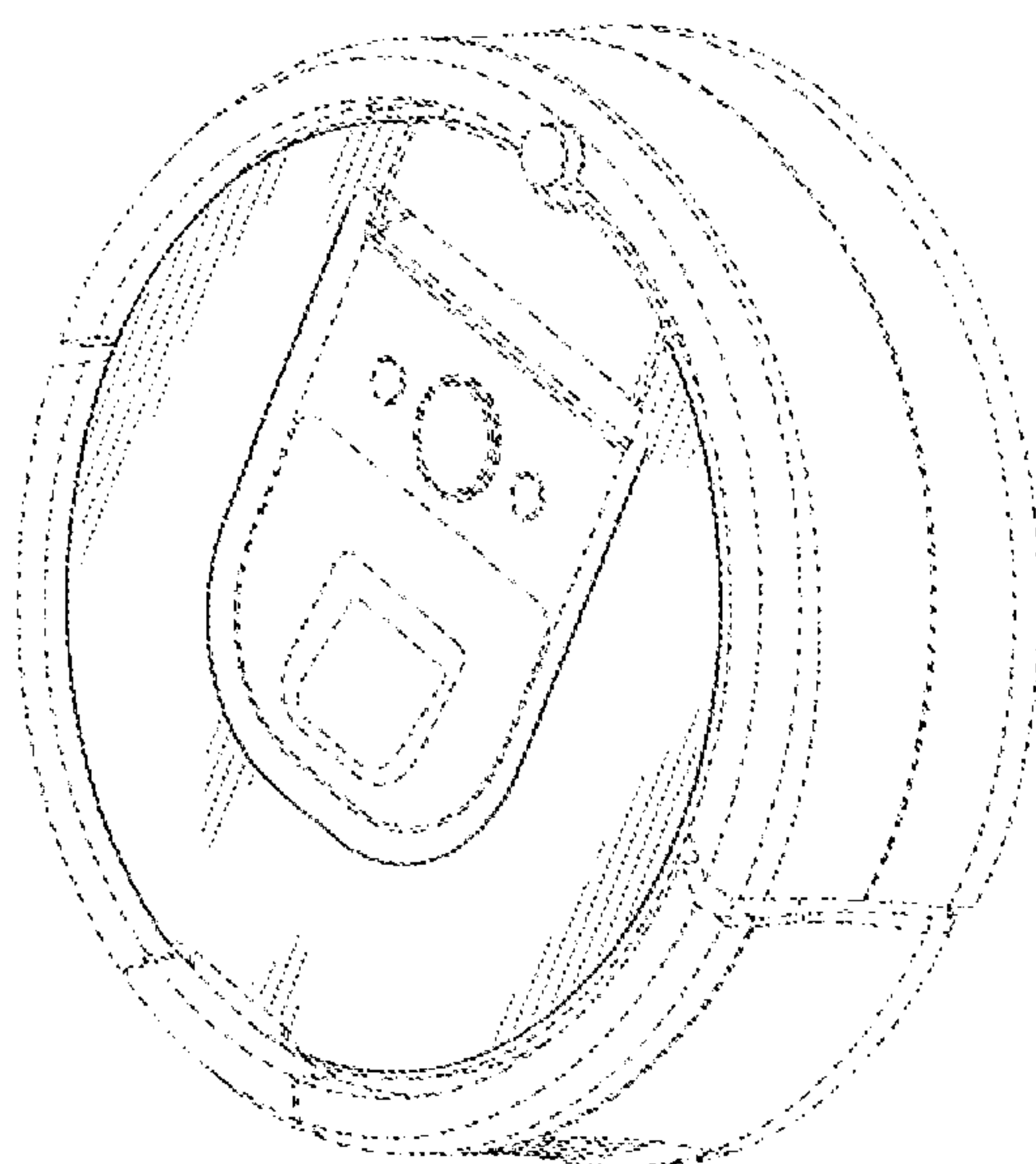
FIG. 6 is a front view thereof;

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FIG. 8 is a right side view thereof.

The broken lines indicate environmental features and bounds of the claimed design and form no part thereof.

1 Claim, 5 Drawing Sheets



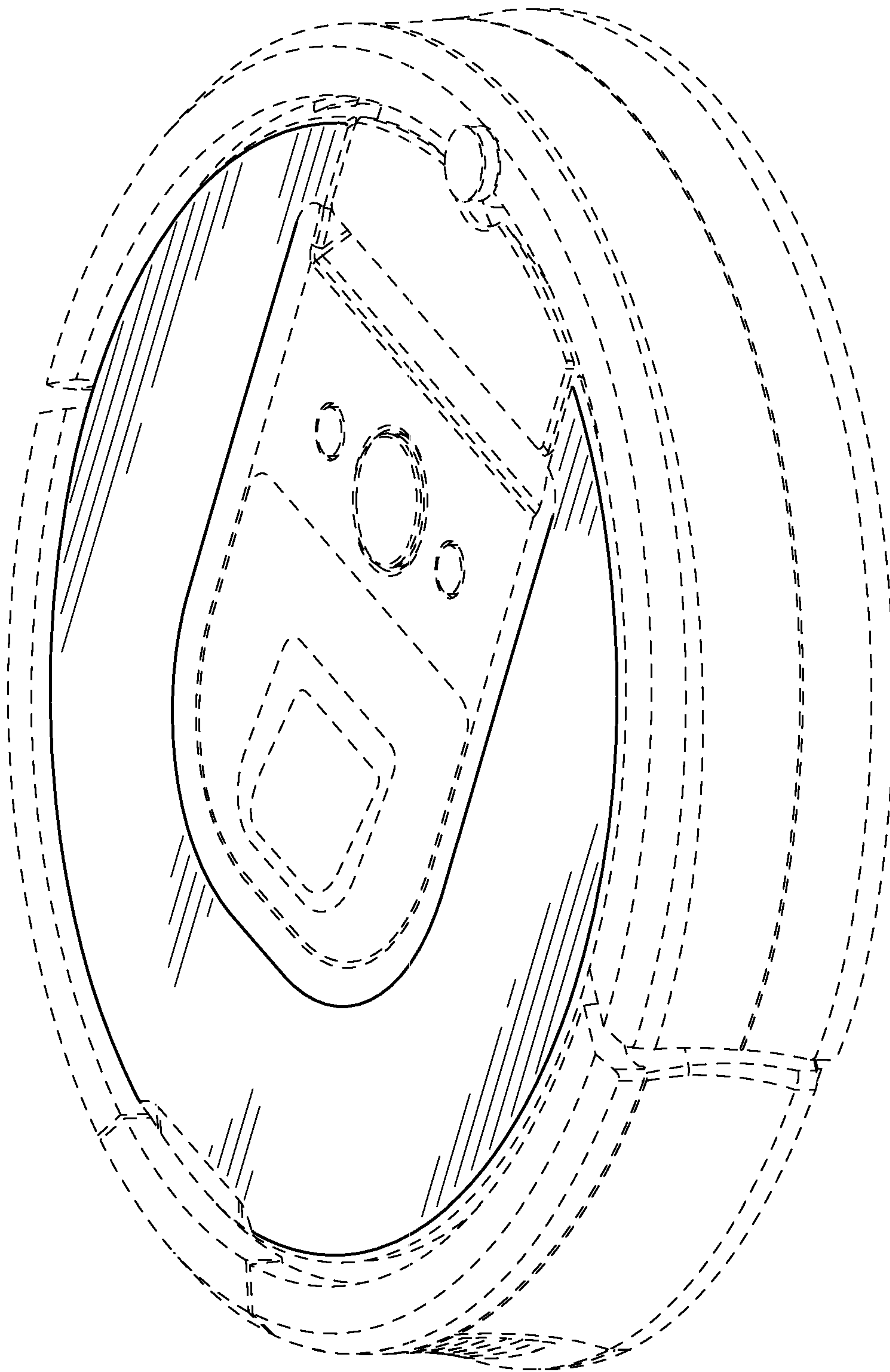


FIG. 1

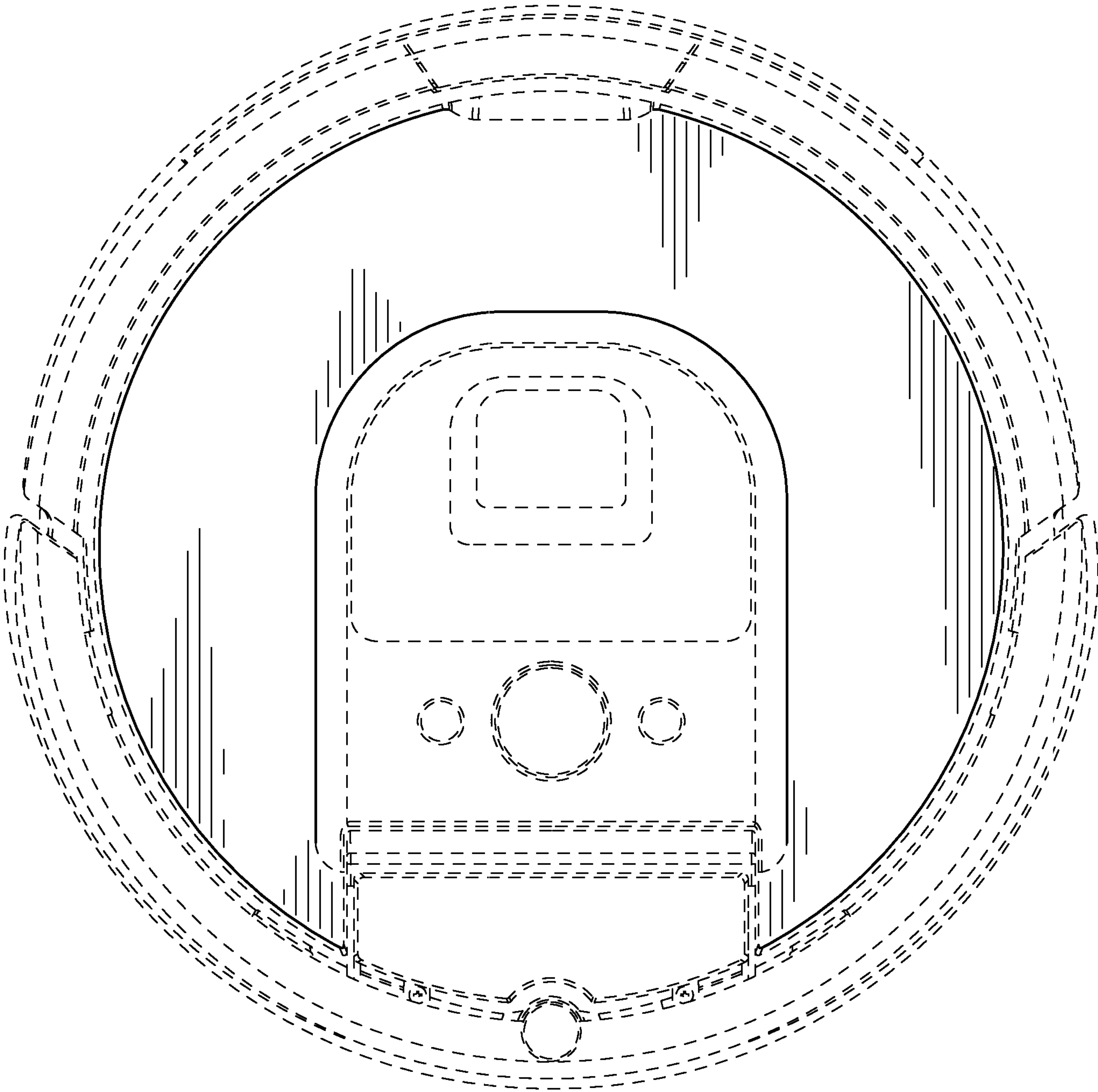


FIG. 2

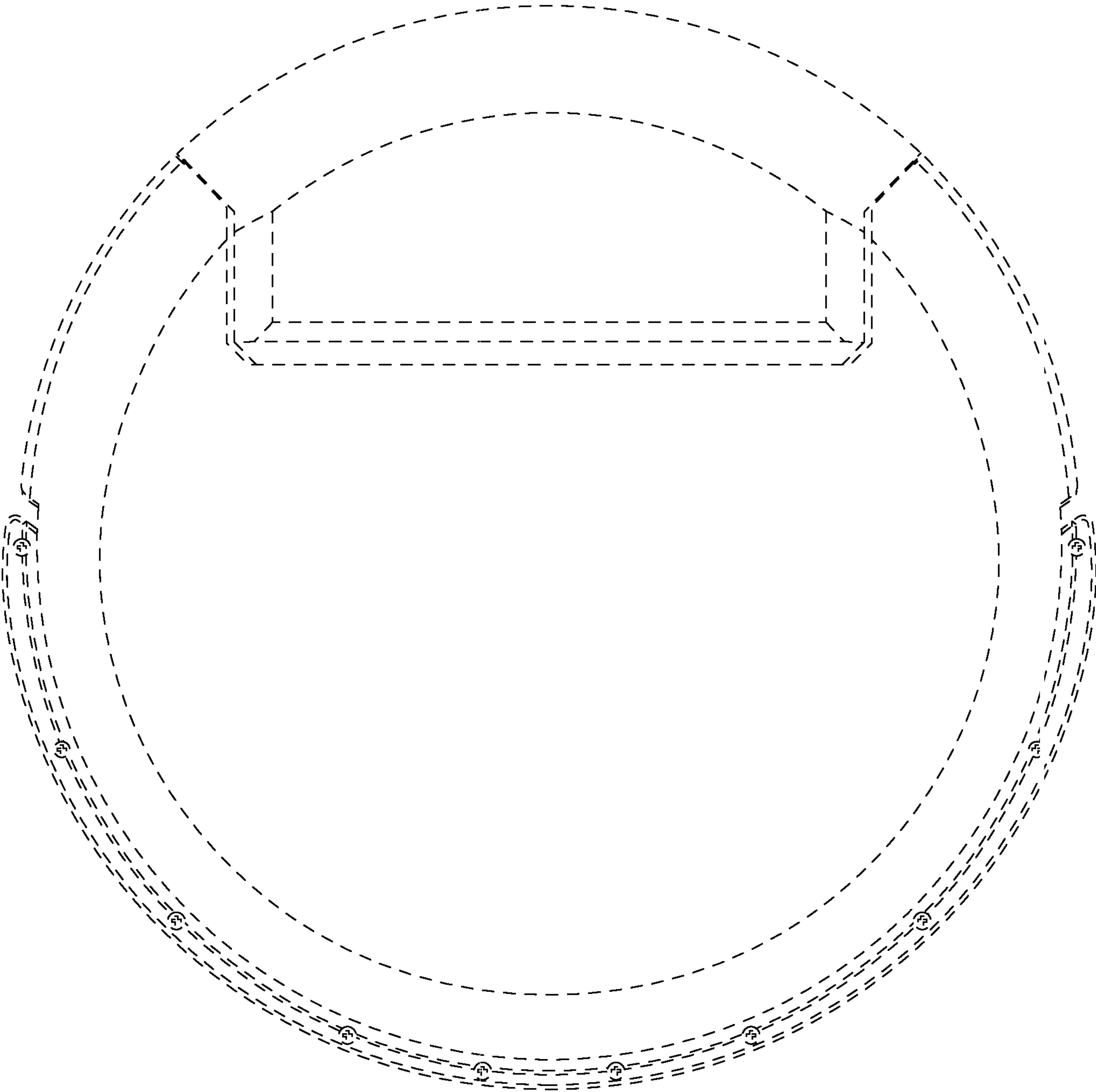


FIG. 3

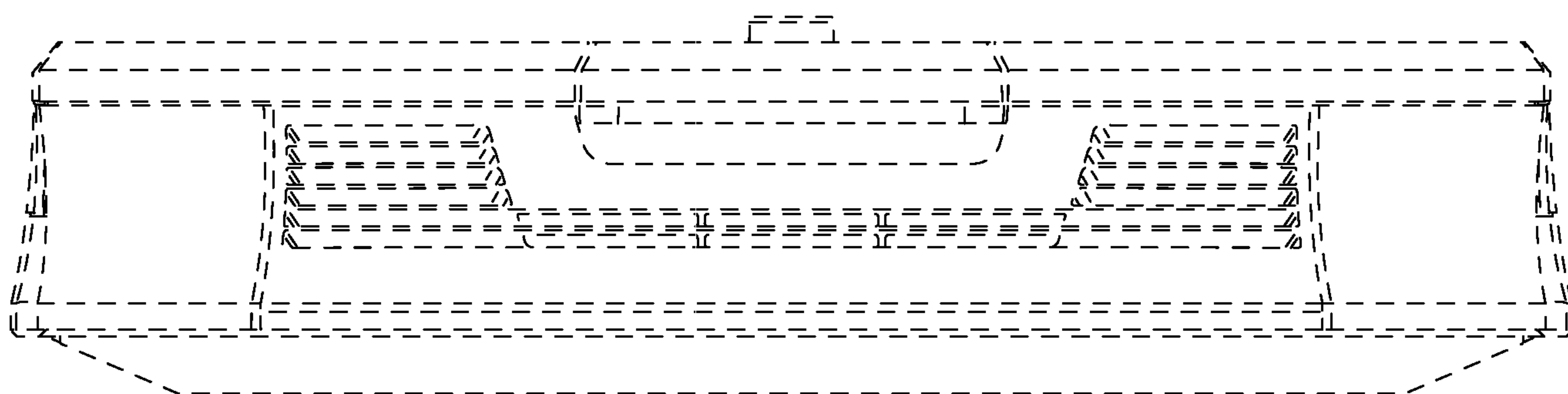


FIG. 4

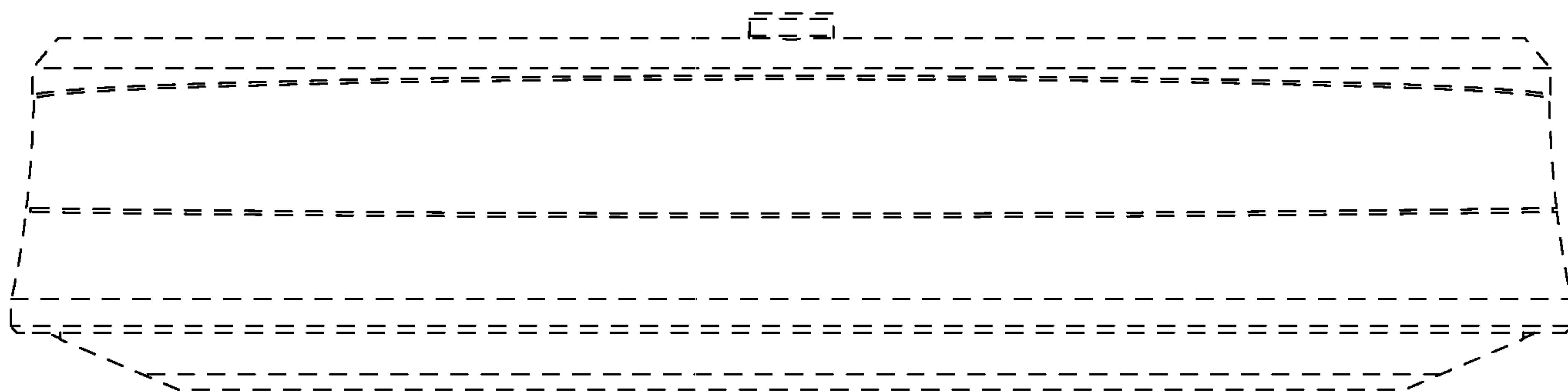


FIG. 5

U.S. Patent

Nov. 8, 2016

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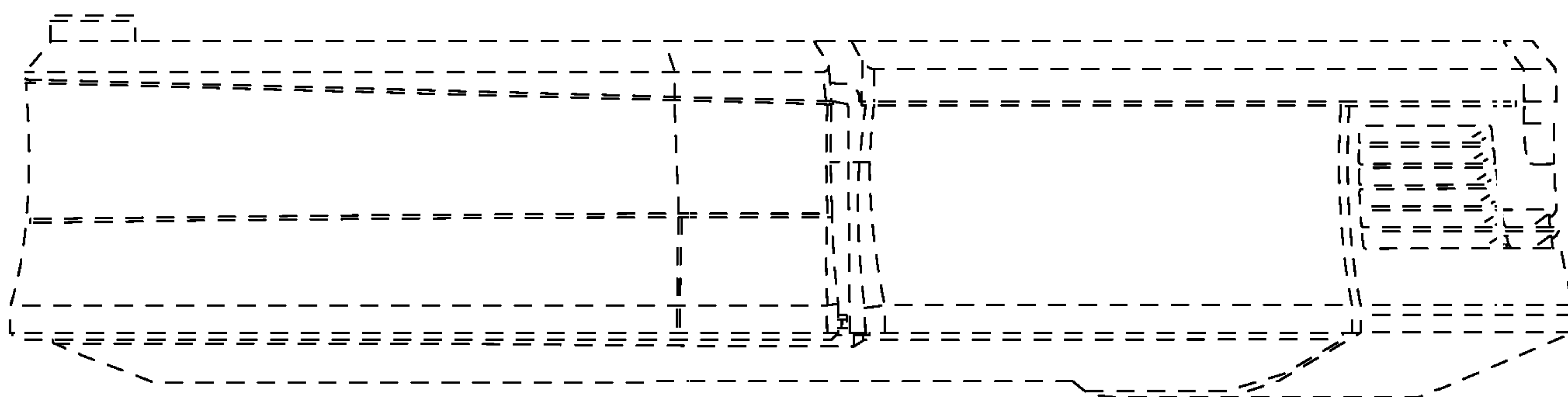


FIG. 6

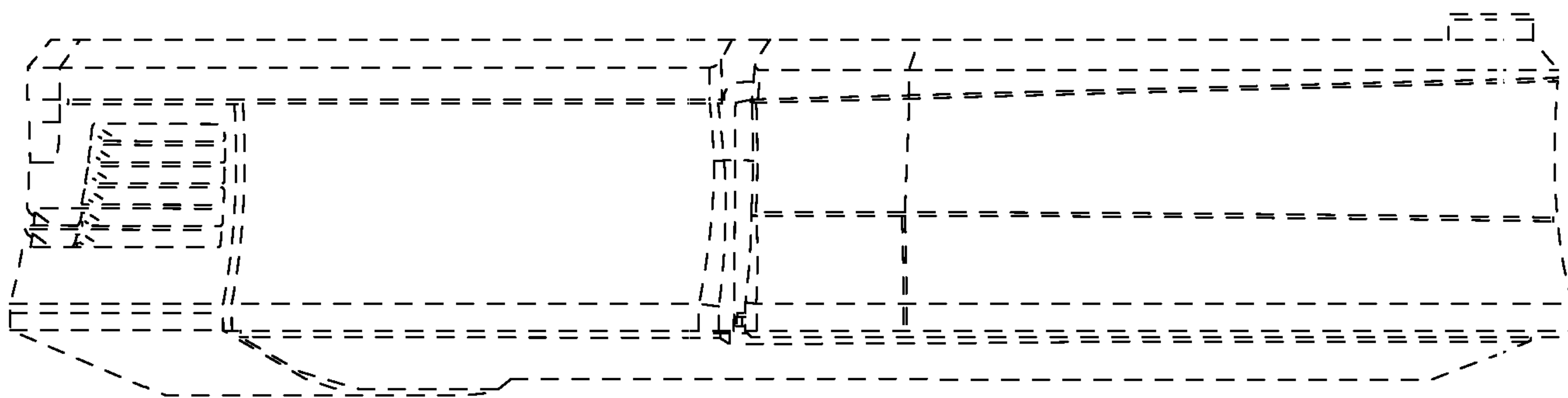


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

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APPLICATION NO. : 29/517442
DATED : November 8, 2016
INVENTOR(S) : Derek Verhoorn and Stuart R. Jang

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Please correct the "Description" by deleting Line 5, and correcting the drawing numbers at Lines 6-8, as indicated below:

Fig. 1 a perspective view of a cleaning robot showing my new design;

Fig. 2 is a top view thereof;

Fig. 3 is a bottom view thereof;

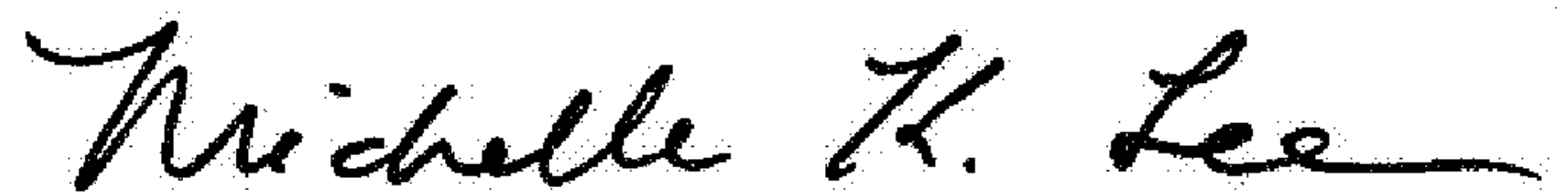
Fig. 4 is a rear view thereof;

Fig. 5 is a front view of our robot;

Fig. 6 is a right side view of our robot; and

Fig. 7 is a left side view of our robot.

Signed and Sealed this
Fourteenth Day of March, 2017



Michelle K. Lee
Director of the United States Patent and Trademark Office