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(12)

United States Design Patent

Luo et al.

(10)

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(45)

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(54) SWEEPING ROBOT

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(**) Term: 15 Years

(Continued)

(21) Appl. No.: 29/887,070

Primary Examiner — Khawaja Anwar

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Assistant Examiner — Taylor O Mortorff

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(30) Foreign Application Priority Data

(57) CLAIM

Nov. 14, 2022 (CN) 202230756644.9

The ornamental design for a sweeping robot, as shown and described.

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

(52) U.S. Cl.
USPC D32/23

DESCRIPTION

(58) Field of Classification Search
USPC D4/135, 136, 137; D15/199; D21/526, D21/578; D32/15, 16, 19, 21, 23, 25, 31, D32/38, 39
CPC A47L 5/12; A47L 5/22; A47L 5/28; A47L 5/362; A47L 11/02; A47L 11/24; A47L 11/28; A47L 11/282; A47L 11/32; A47L 11/33; A47L 2201/00; A47L 2201/04; A47L 2201/06; A46B 13/008; B08B 1/30; B08B 1/32; B08B 1/34; B08B 1/36
See application file for complete search history.

FIG. 1 is a top, front, right side perspective view of a sweeping robot, showing our new design;
FIG. 2 is a top, rear, left side perspective view thereof;
FIG. 3 is a bottom, rear, right side perspective view thereof;
FIG. 4 is a front view thereof;
FIG. 5 is a rear view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a top view thereof;
FIG. 9 is a bottom view thereof;
FIG. 10 is an exploded view of the sweeping robot, which is the charging part as the sweeping robot; and,
FIG. 11 is an exploded view of the sweeping robot, which is the main body as the sweeping robot.
The broken lines in the drawings depict portions of the sweeping robot that form no part of the claimed design.

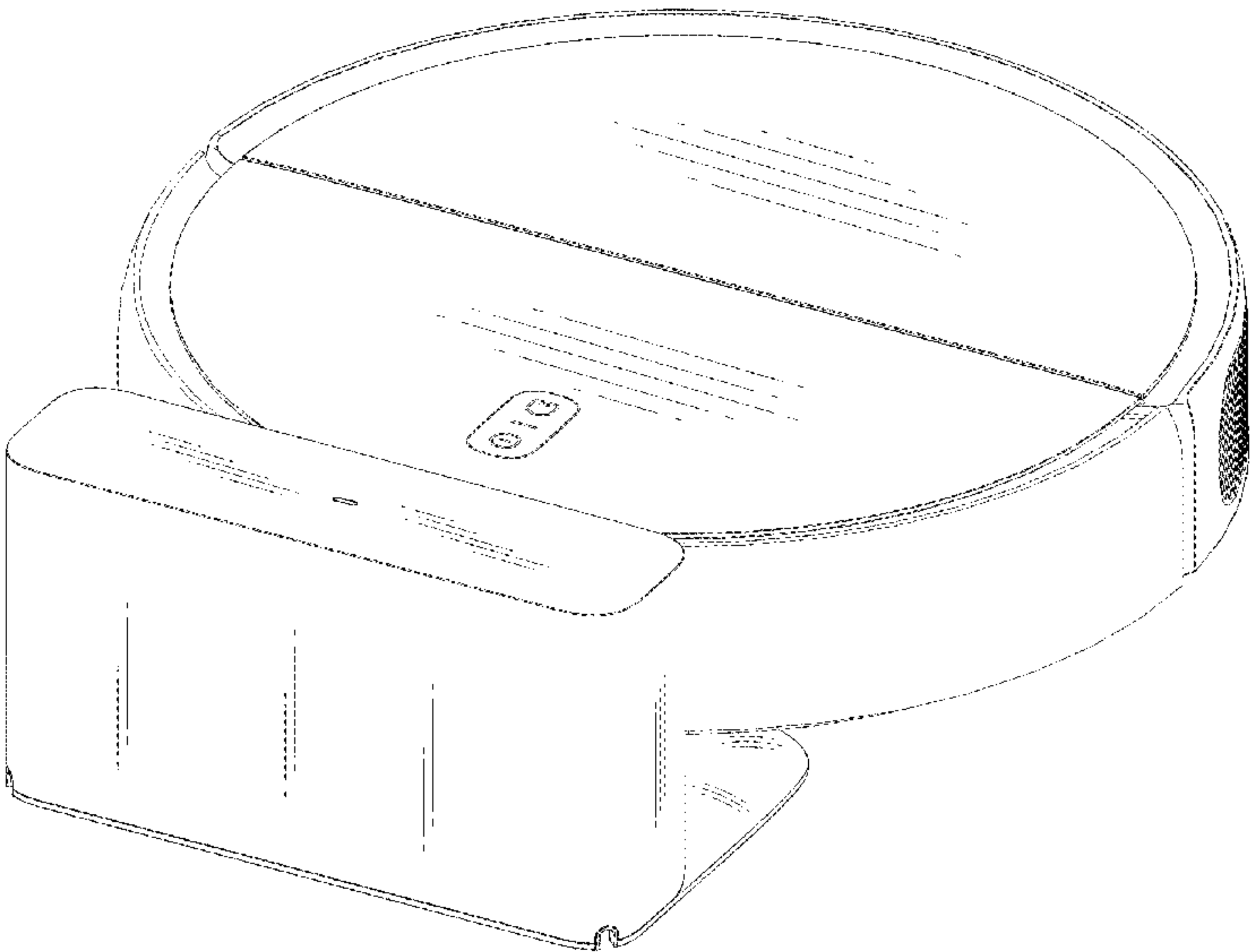
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1 Claim, 11 Drawing Sheets



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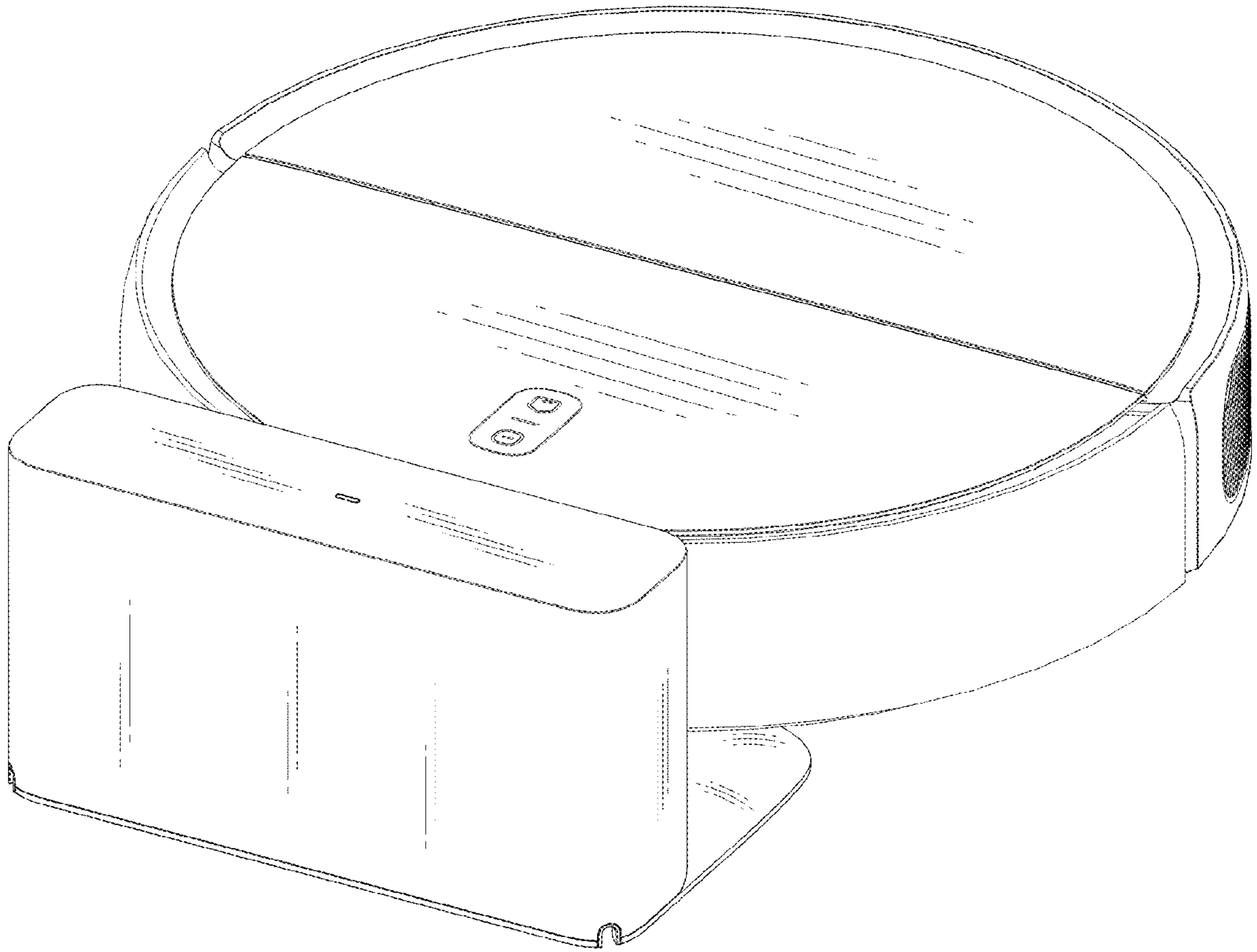


FIG. 1

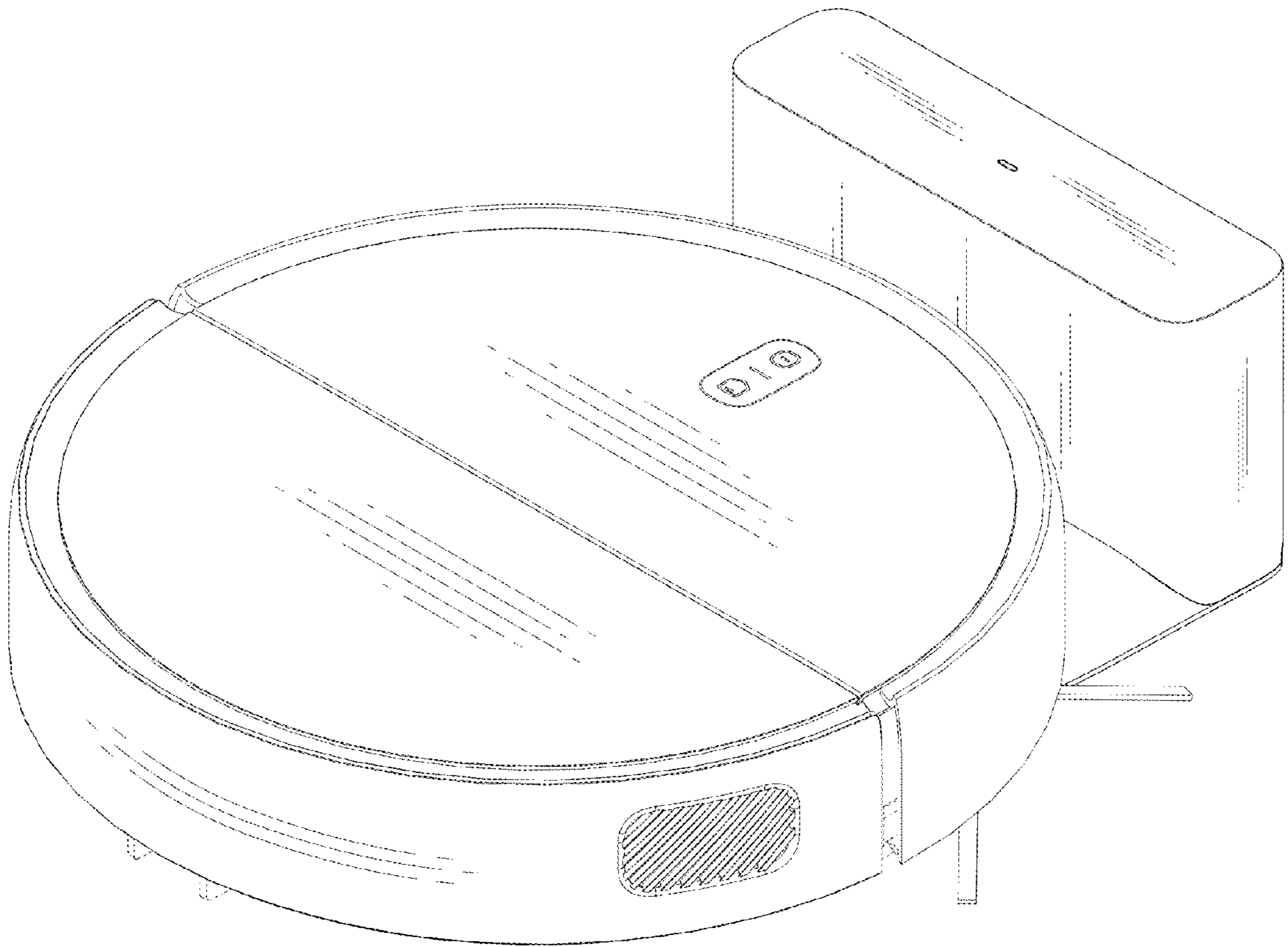


FIG. 2

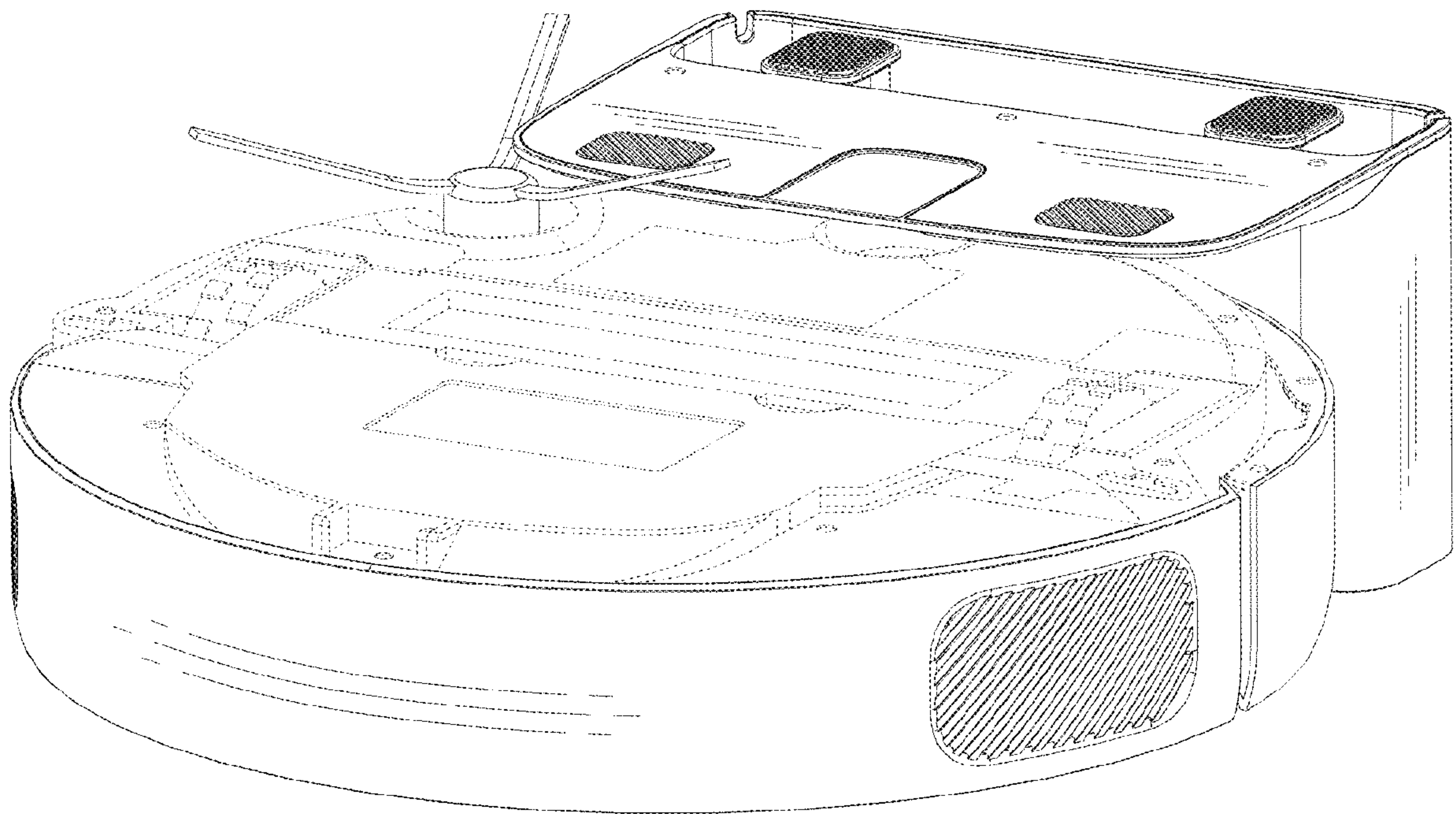


FIG. 3

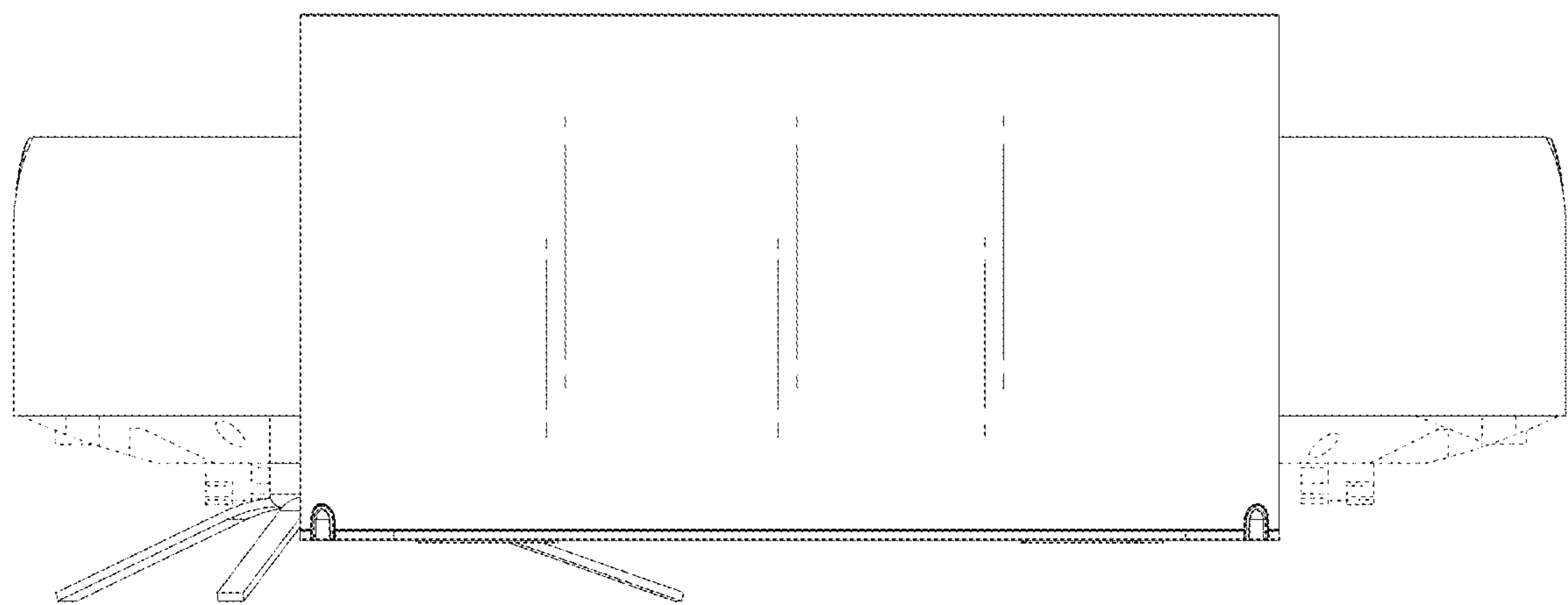


FIG. 4

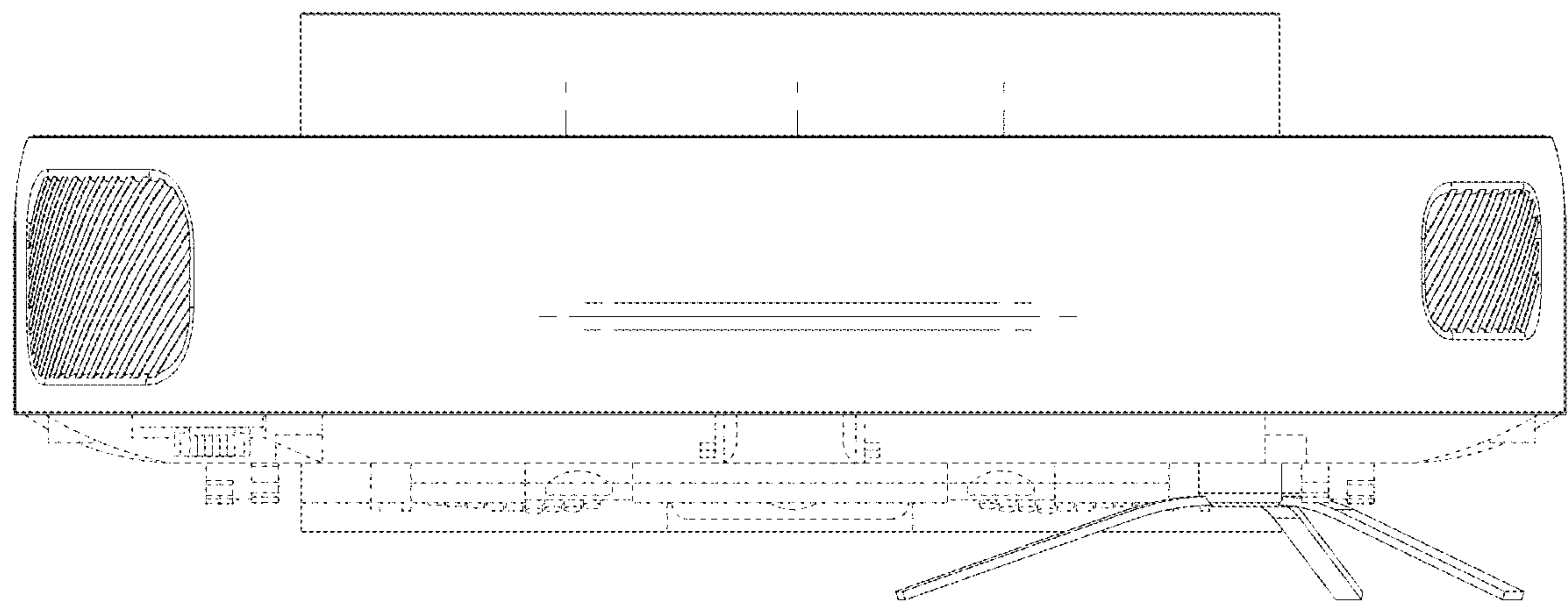


FIG. 5

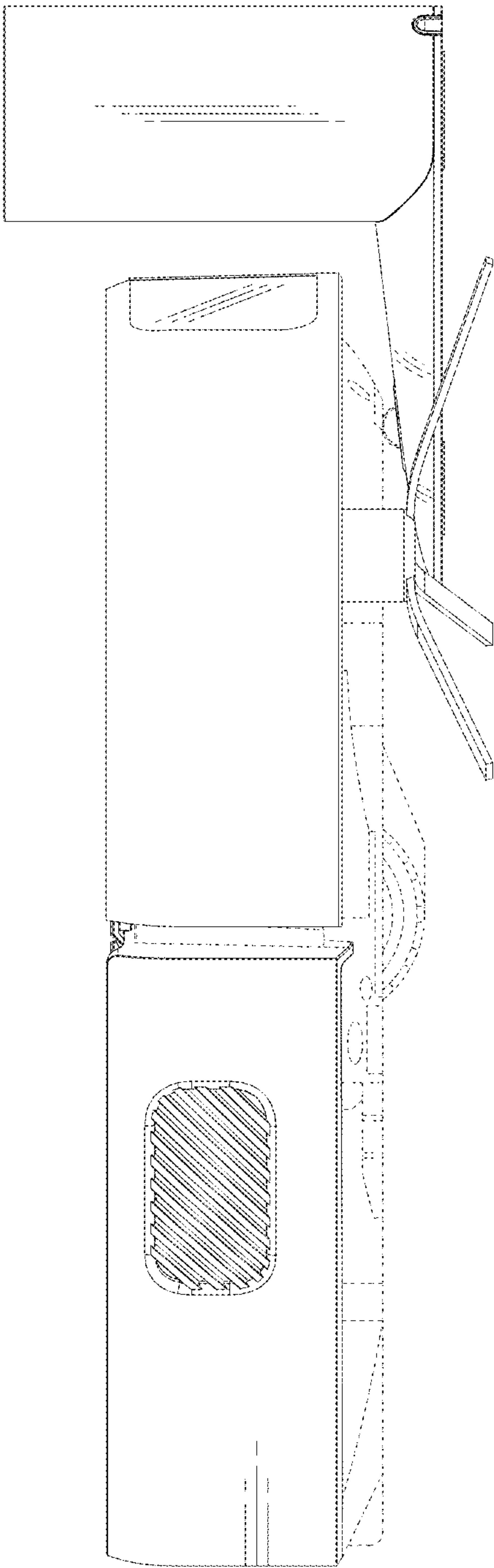


FIG. 6

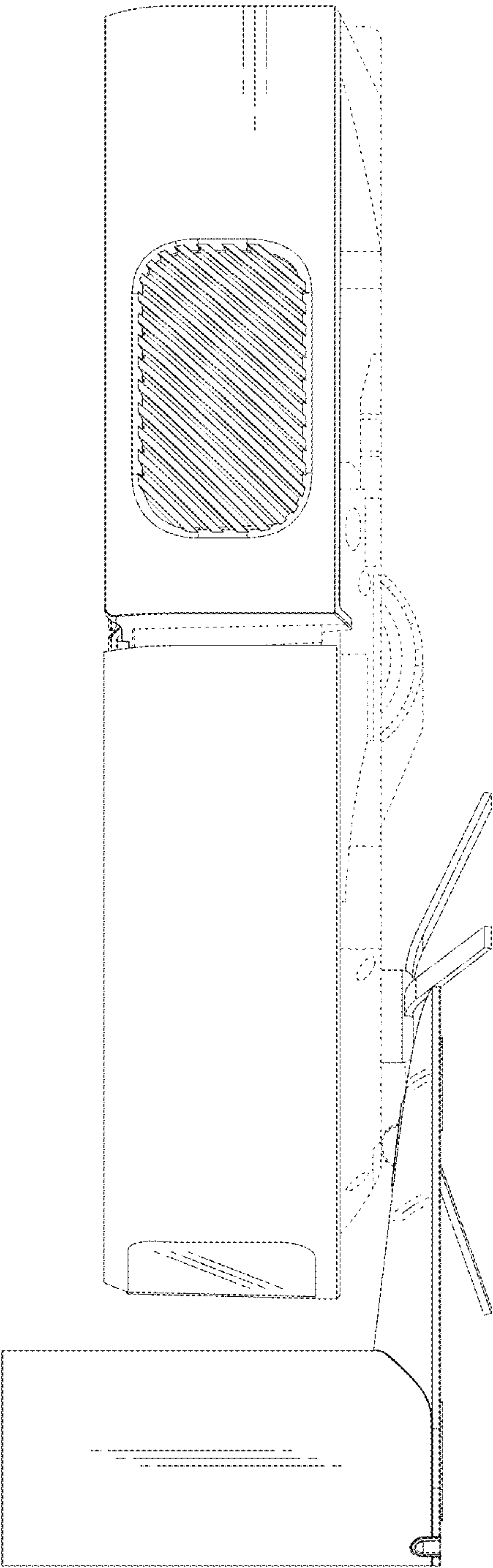


FIG. 7

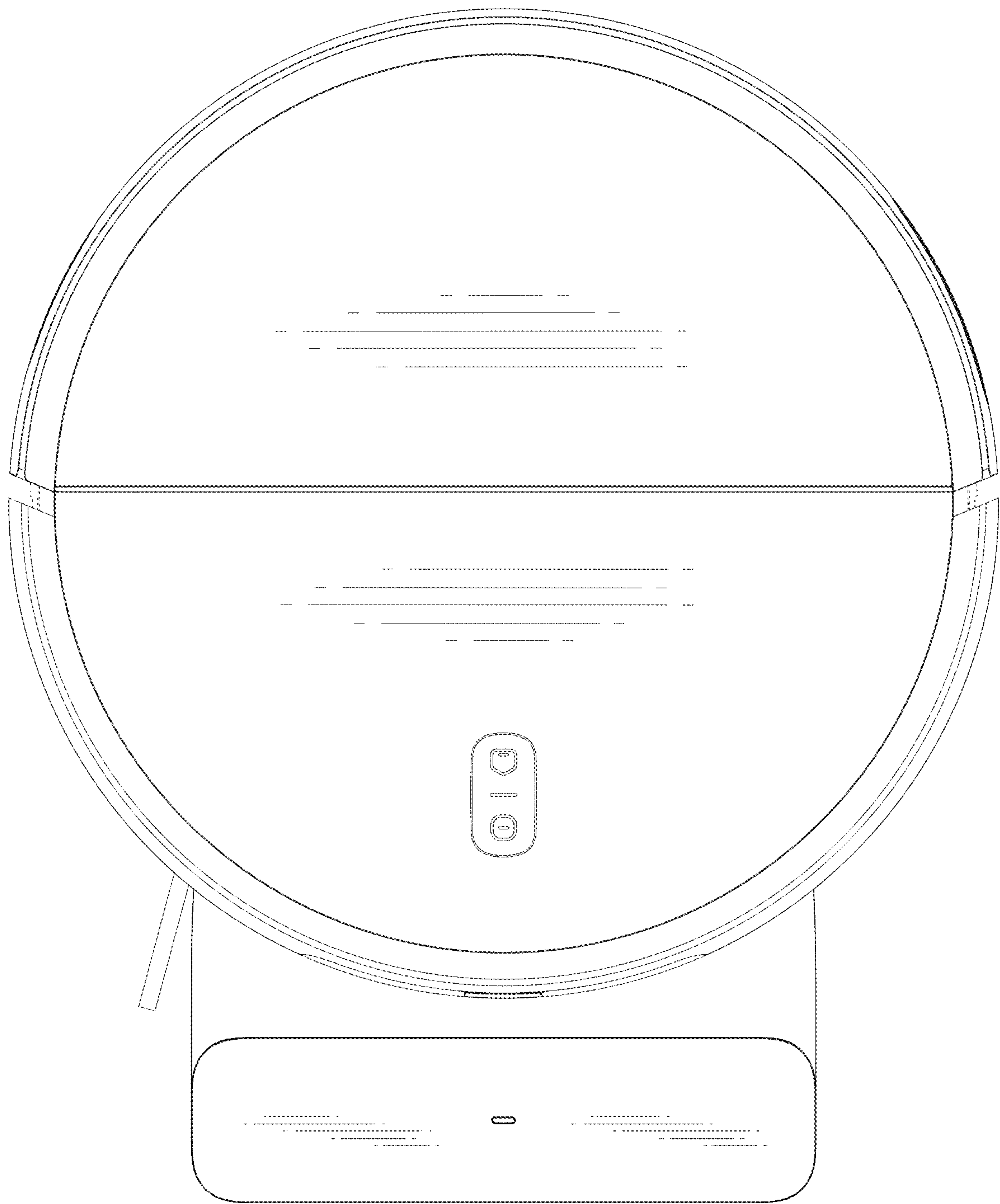


FIG. 8

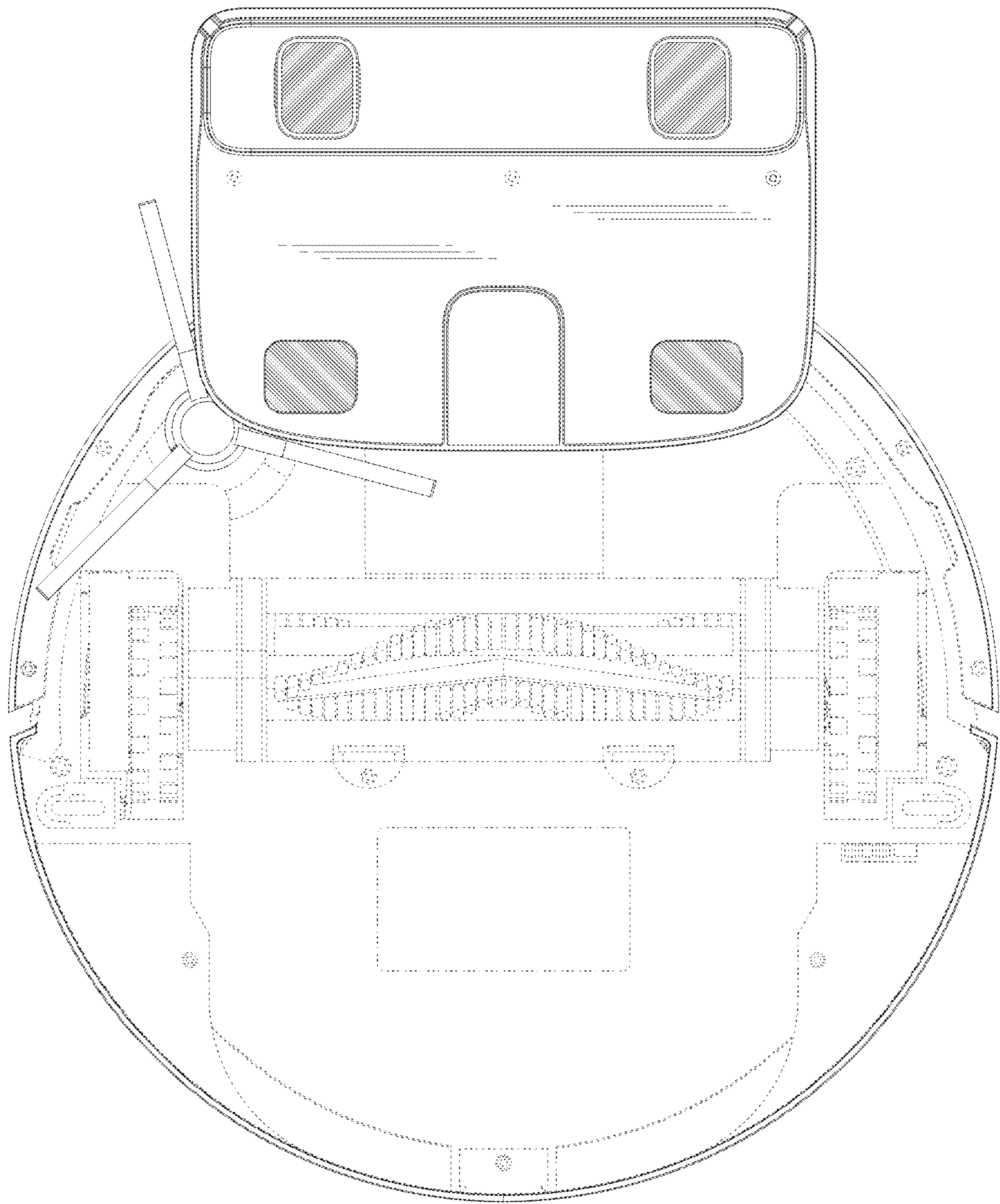


FIG. 9

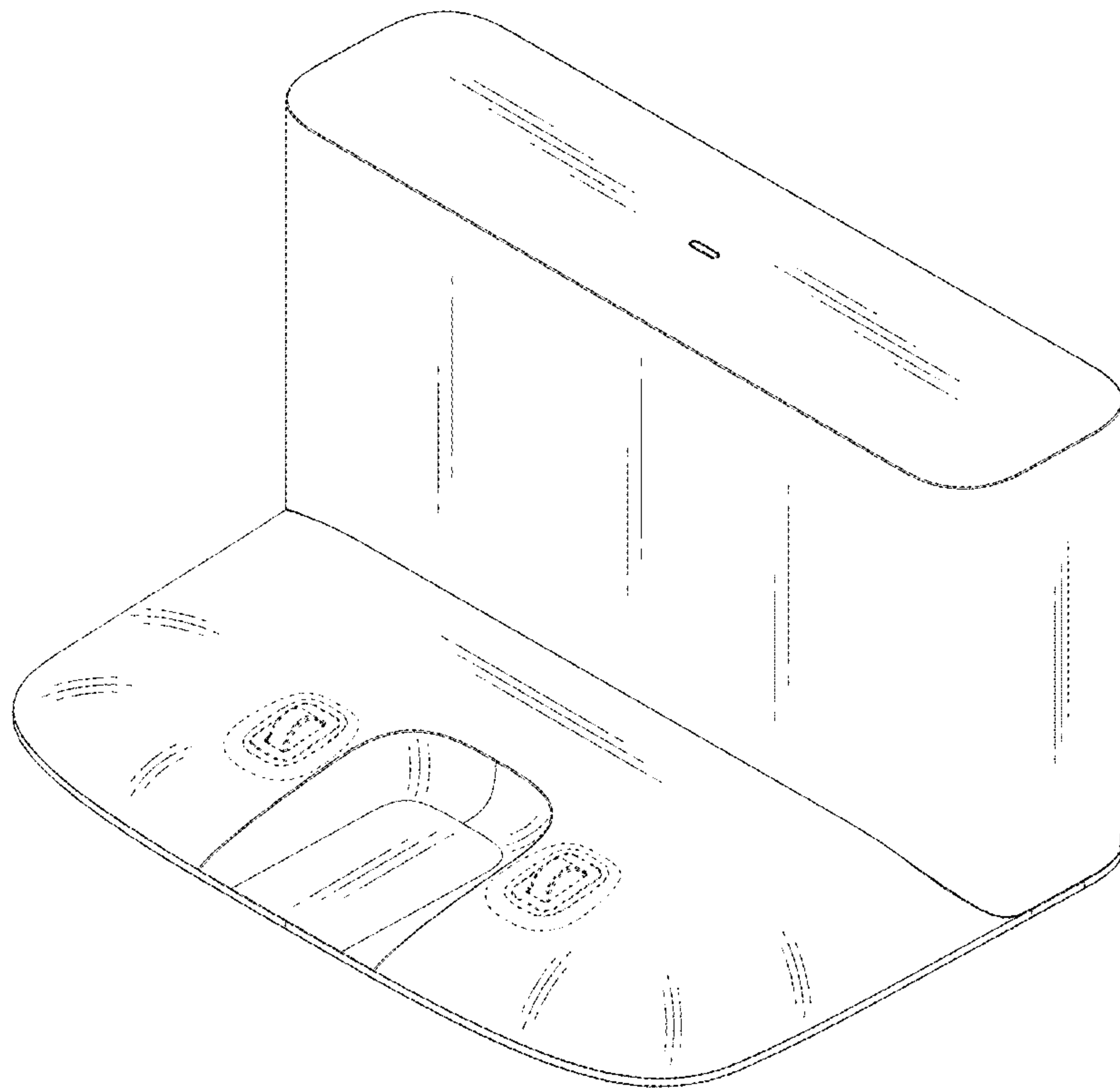


FIG. 10

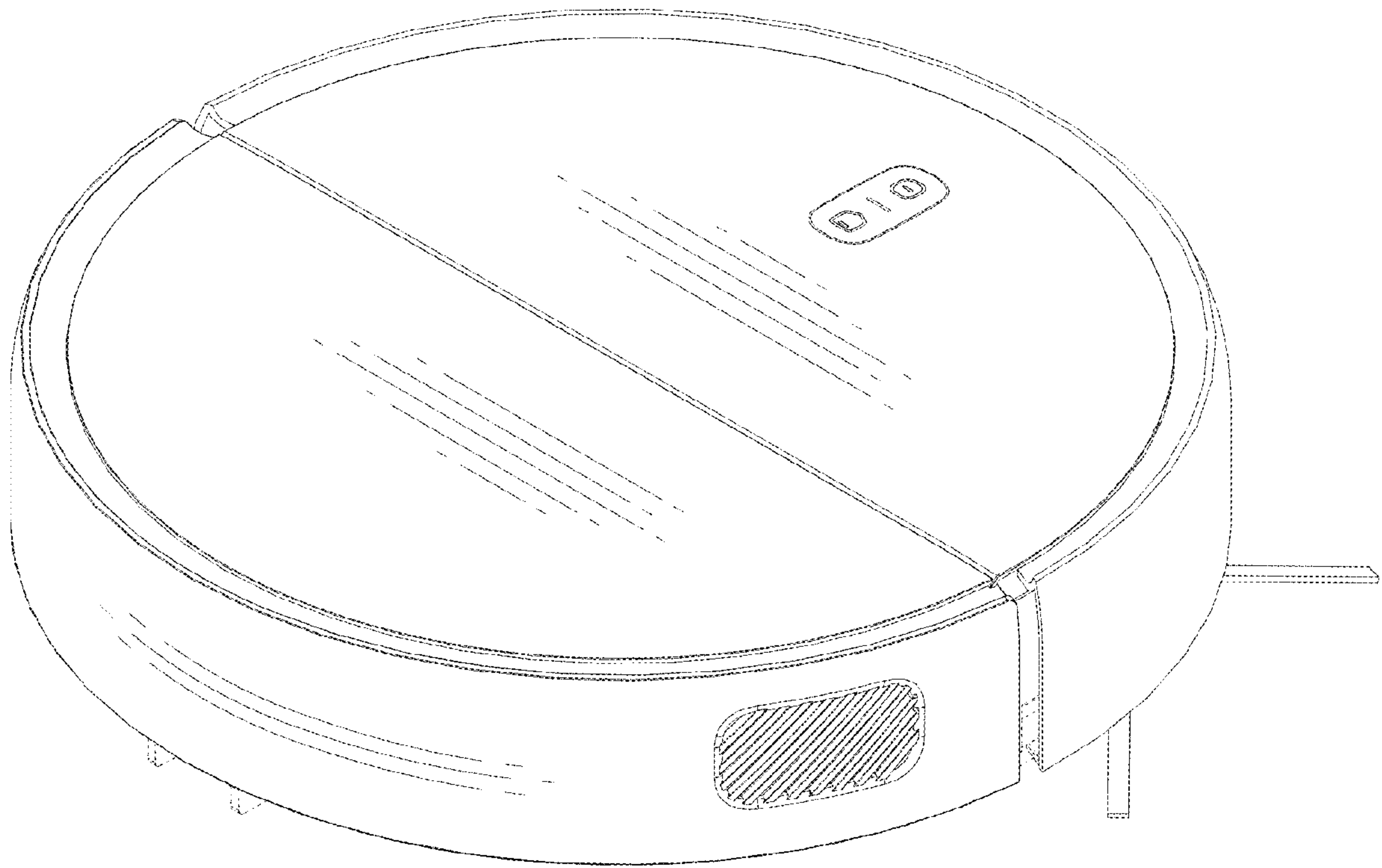


FIG. 11