



US00D884298S

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

(10) **Patent No.:** **US D884,298 S**

(45) **Date of Patent:** **\*\* May 12, 2020**

(54) **ROBOTIC CLEANER**

(71) Applicant: **Ecovacs Robotics Co., Ltd.**, Suzhou (CN)

(72) Inventors: **Xiaowen Li**, Nanjing (CN); **Jinye Zhou**, Zhangjiagang (CN); **Jingya Xie**, Suzhou (CN); **Fang He**, Nanjing (CN)

(73) Assignee: **ECOVACS ROBOTICS CO., LTD.**, Suzhou (CN)

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

(21) Appl. No.: **29/660,767**

(22) Filed: **Aug. 22, 2018**

(51) **LOC (12) Cl.** ..... **15-05**

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

(58) **Field of Classification Search**  
USPC ..... D32/21, 23-24, 31  
CPC ... E04H 4/1654; E04H 4/1663; E04H 4/1672;  
A47L 9/2842; A47L 9/2636; A47L  
9/2852; G06N 3/008; G05D 1/0225  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D548,902 S \* 8/2007 Chun ..... D32/21  
D556,961 S \* 12/2007 Swyst ..... D15/199  
D665,547 S \* 8/2012 Nam ..... D32/21  
D669,235 S \* 10/2012 Bassett ..... D32/21

D690,478 S \* 9/2013 Li ..... D32/21  
D703,397 S \* 4/2014 Sungkyung ..... D32/21  
D714,002 S \* 9/2014 Casini ..... D32/21  
D714,003 S \* 9/2014 Casini ..... D32/21  
D715,504 S \* 10/2014 Deoksang ..... D32/21  
D771,884 S \* 11/2016 Ninomiya ..... D32/21  
D835,869 S \* 12/2018 Li ..... D32/21  
D840,617 S \* 2/2019 Dou ..... D32/21  
D843,671 S \* 3/2019 Chei ..... D32/21

**FOREIGN PATENT DOCUMENTS**

CN 303226190 S 5/2015  
CN 303949708 S 11/2016  
CN 304104713 S 4/2017  
CN 304414938 S 12/2017  
CN 303896126 S 10/2018

\* cited by examiner

*Primary Examiner* — Michael A. Pratt

(74) *Attorney, Agent, or Firm* — Maschoff Brennan

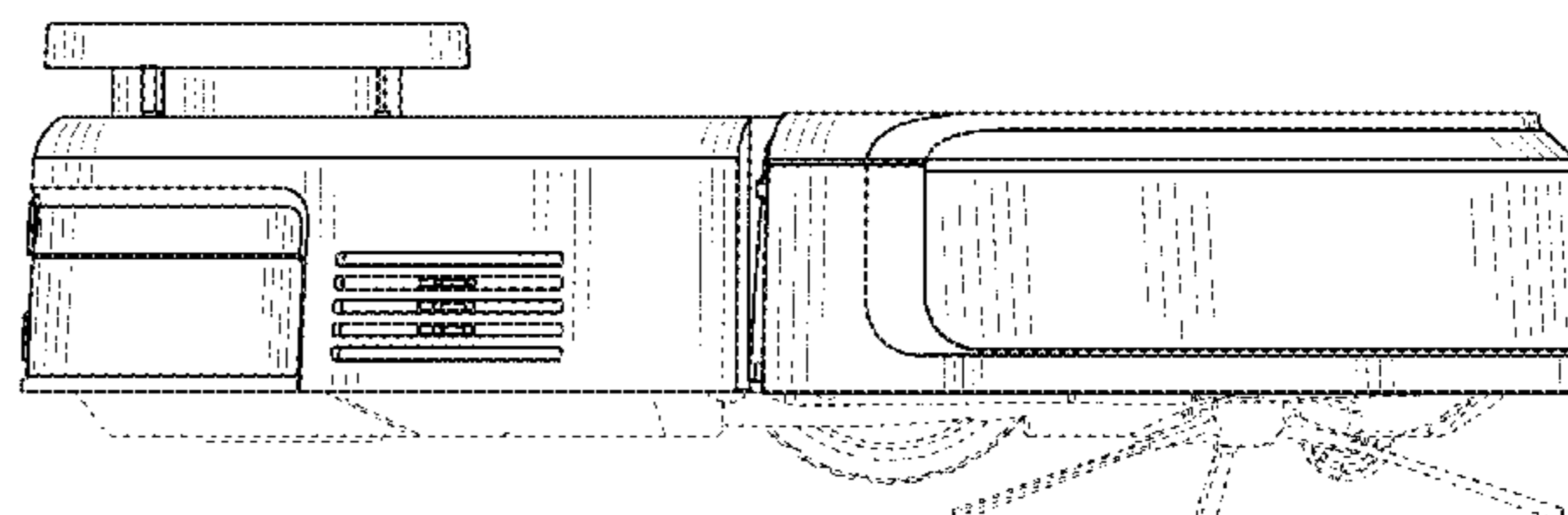
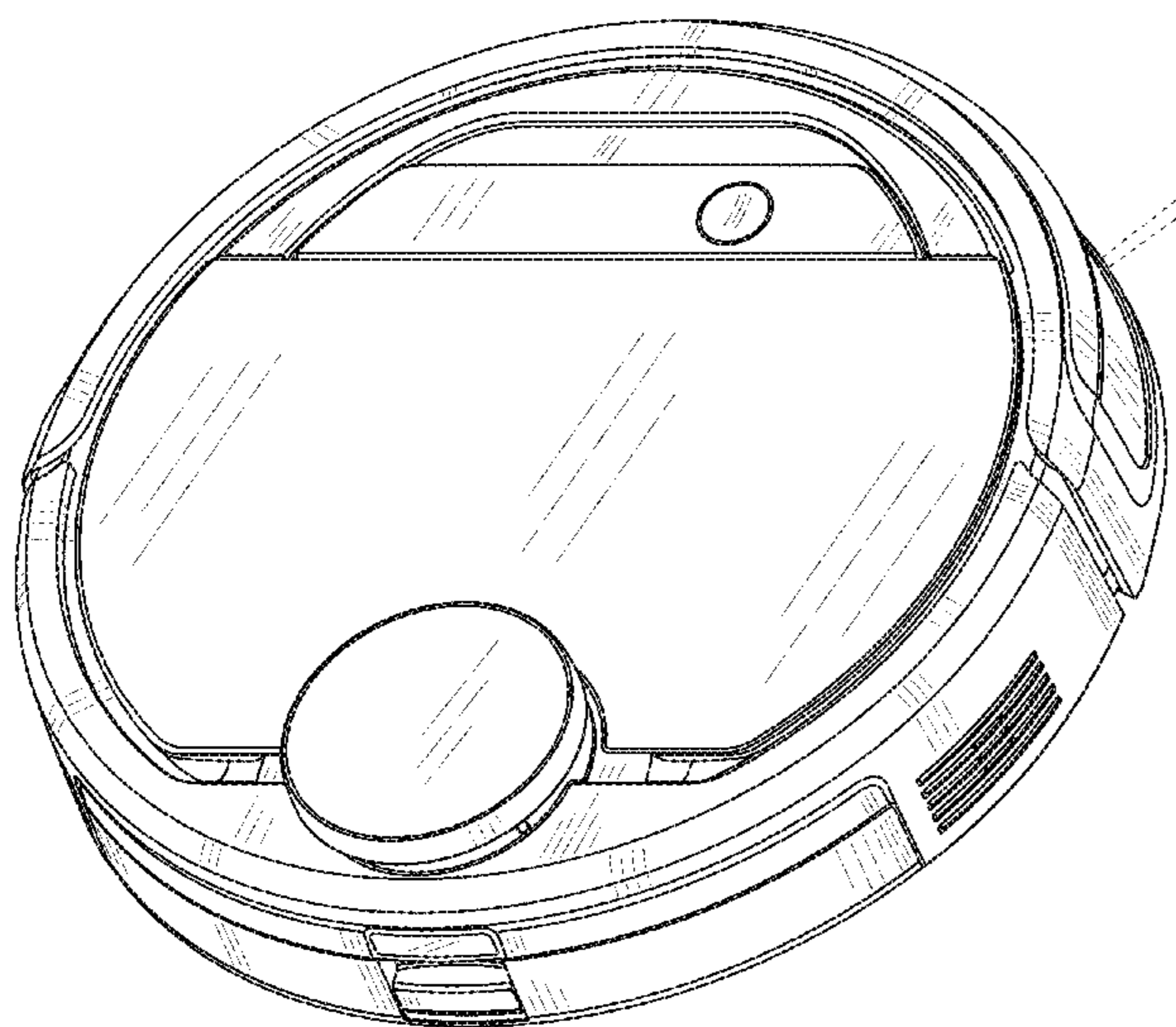
(57) **CLAIM**

The ornamental design for a robotic cleaner, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of our wireless robotic window cleaner;  
FIG. 2 is the top view thereof;  
FIG. 3 is the right side view thereof;  
FIG. 4 is the left side view thereof;  
FIG. 5 is the front view thereof; and,  
FIG. 6 is the rear view thereof.

**1 Claim, 6 Drawing Sheets**



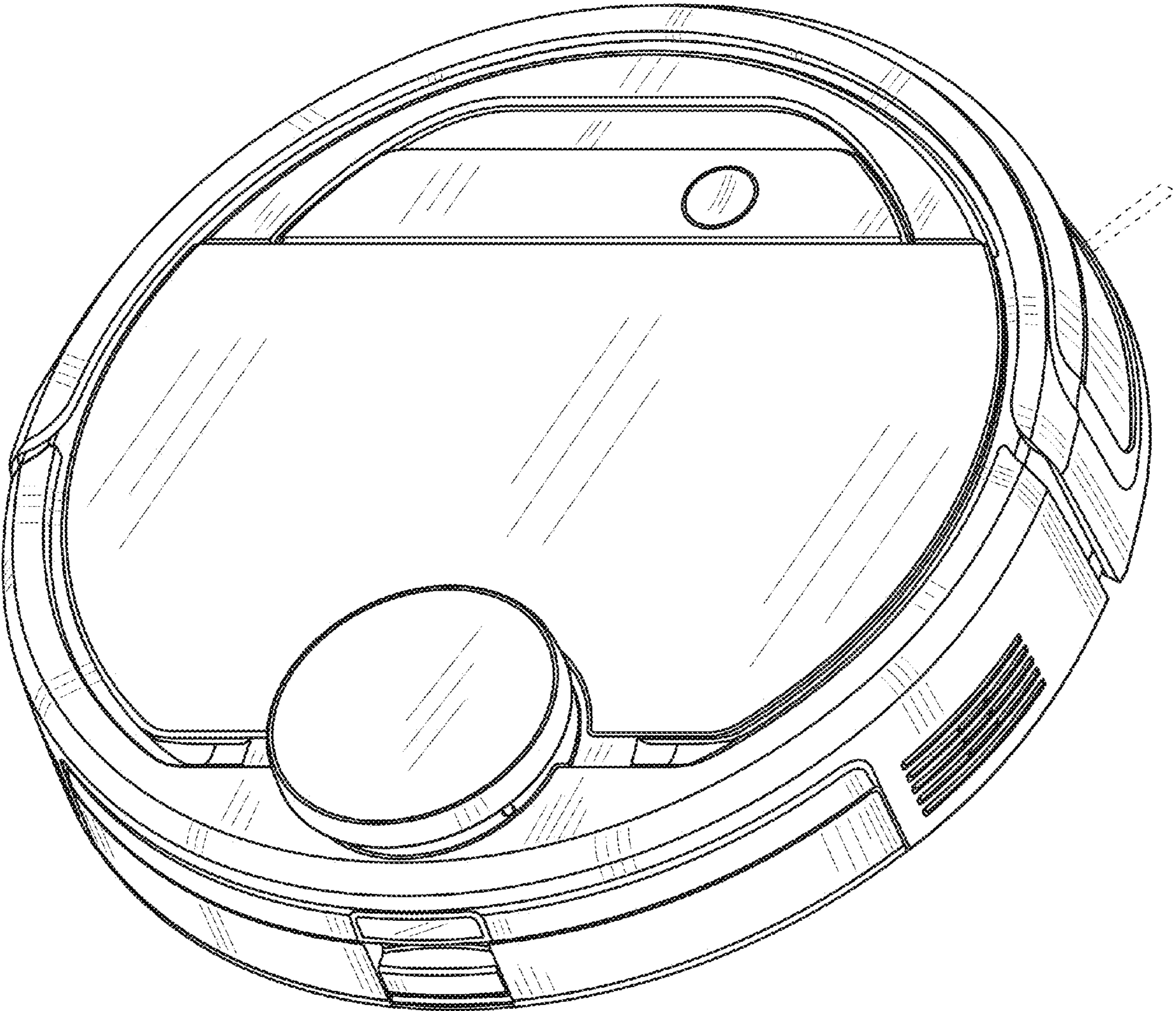


FIG.1

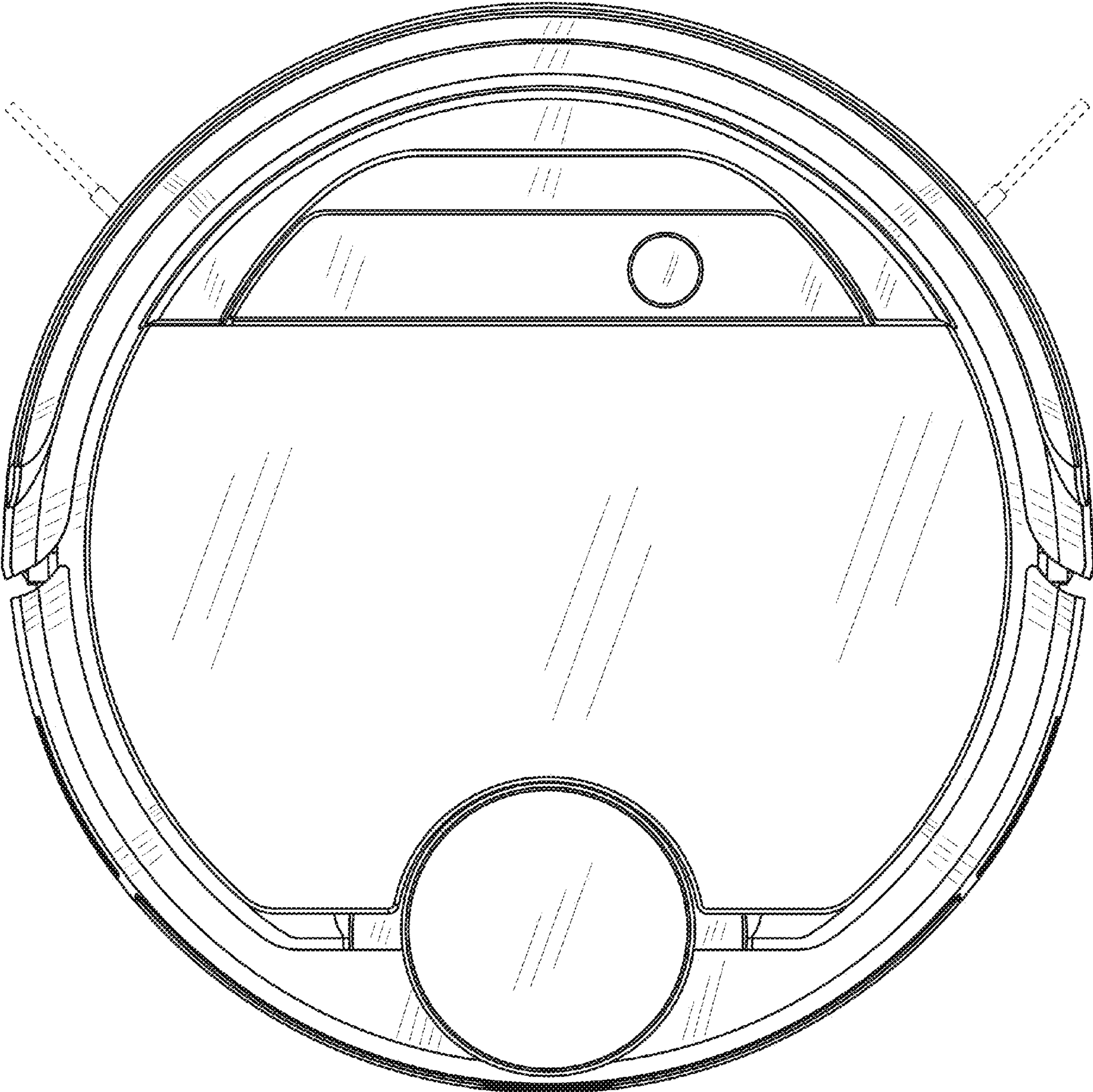


FIG.2

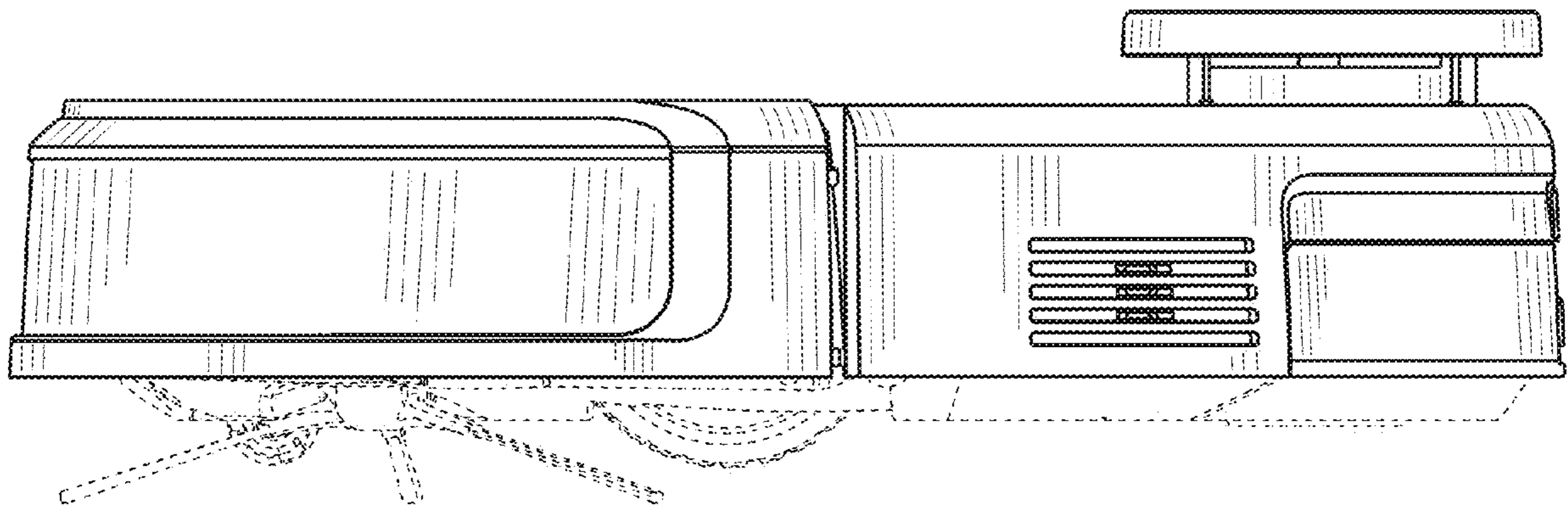


FIG. 3

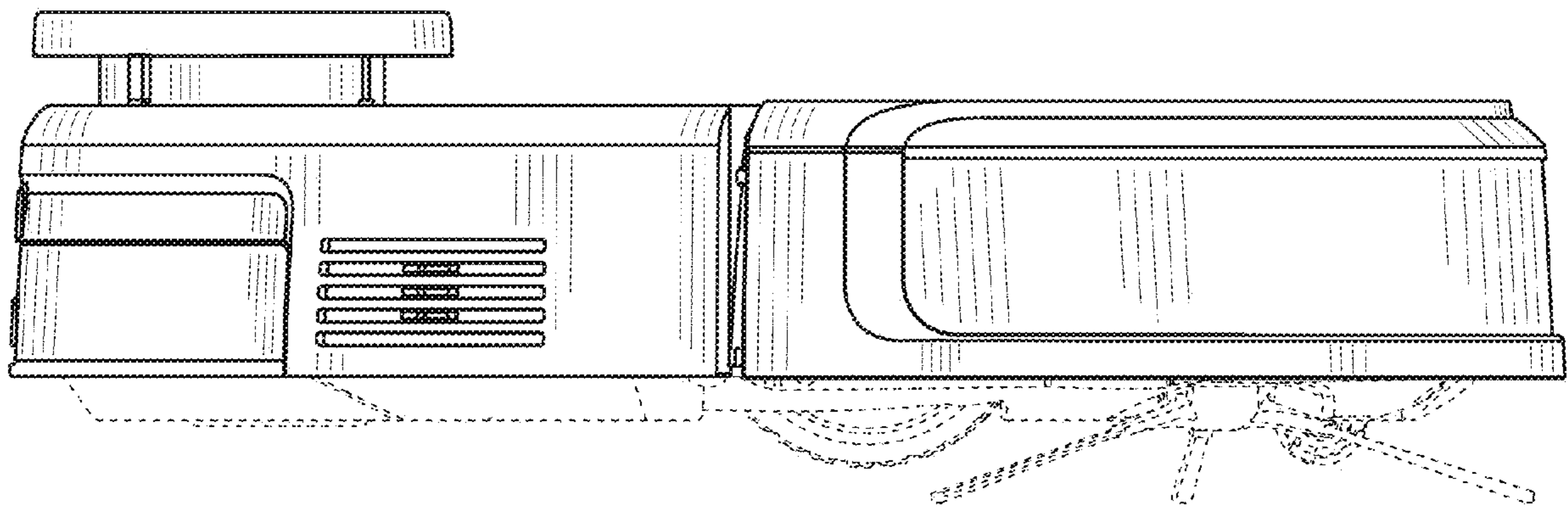


FIG.4

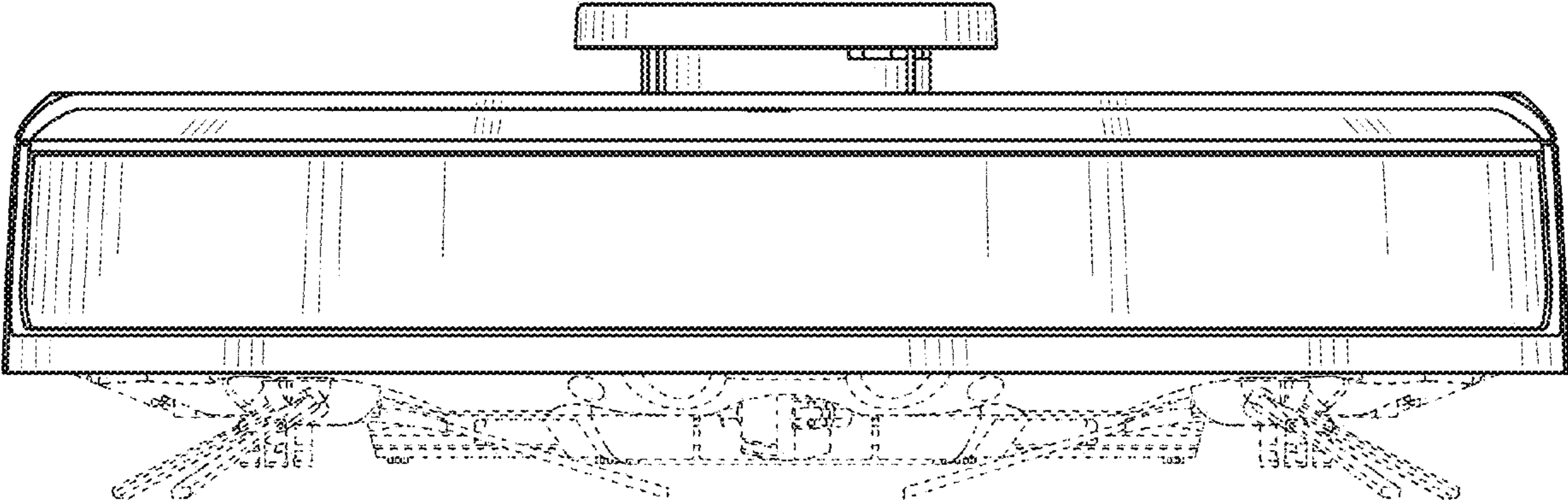


FIG.5

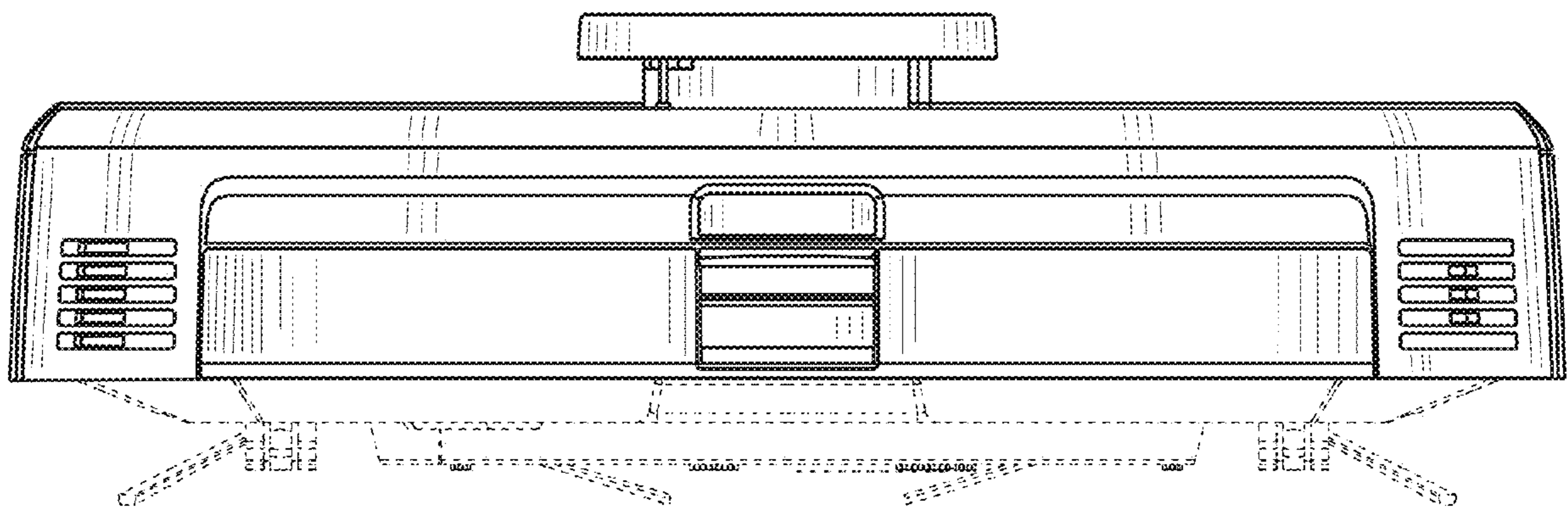


FIG.6