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(12) **United States Design Patent** (10) **Patent No.:** **US D840,618 S**
Kim et al. (45) **Date of Patent:** **** Feb. 12, 2019**

(54) **ROBOT FOR CLEANING**

(56) **References Cited**

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(KR)

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(72) Inventors: **Seongmin Kim**, Seoul (KR); **Jaeyoung Kim**, Seoul (KR); **Hyeonjeong An**, Seoul (KR); **Myungwhoon Lee**, Seoul (KR)

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(KR)

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

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(51) **LOC (11) Cl.** **15-05**

(52) **U.S. Cl.**

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CPC **A47J 37/0713** (2013.01)

(58) **Field of Classification Search**

USPC D32/19–21, 25, 31–33; D4/102, 128,
D4/133, 136; D15/199

CPC A47J 37/0713; A47L 9/2842; A47L

2201/00; A47L 5/30; A47L 5/28; A47L

5/362; A47L 9/04; A46B 13/005; A46B

13/001; A61C 17/26; G06N 3/008; B25J

9/1697; G01S 13/931; B62D 58/032;

B62D 57/032; E01H 1/053; E01H 1/02

See application file for complete search history.

(Continued)

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& Birch, LLP

(57) **CLAIM**

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

DESCRIPTION

1. Robot for cleaning

1.1 : Perspective

1.2 : Front

1.3 : Back

1.4 : Left

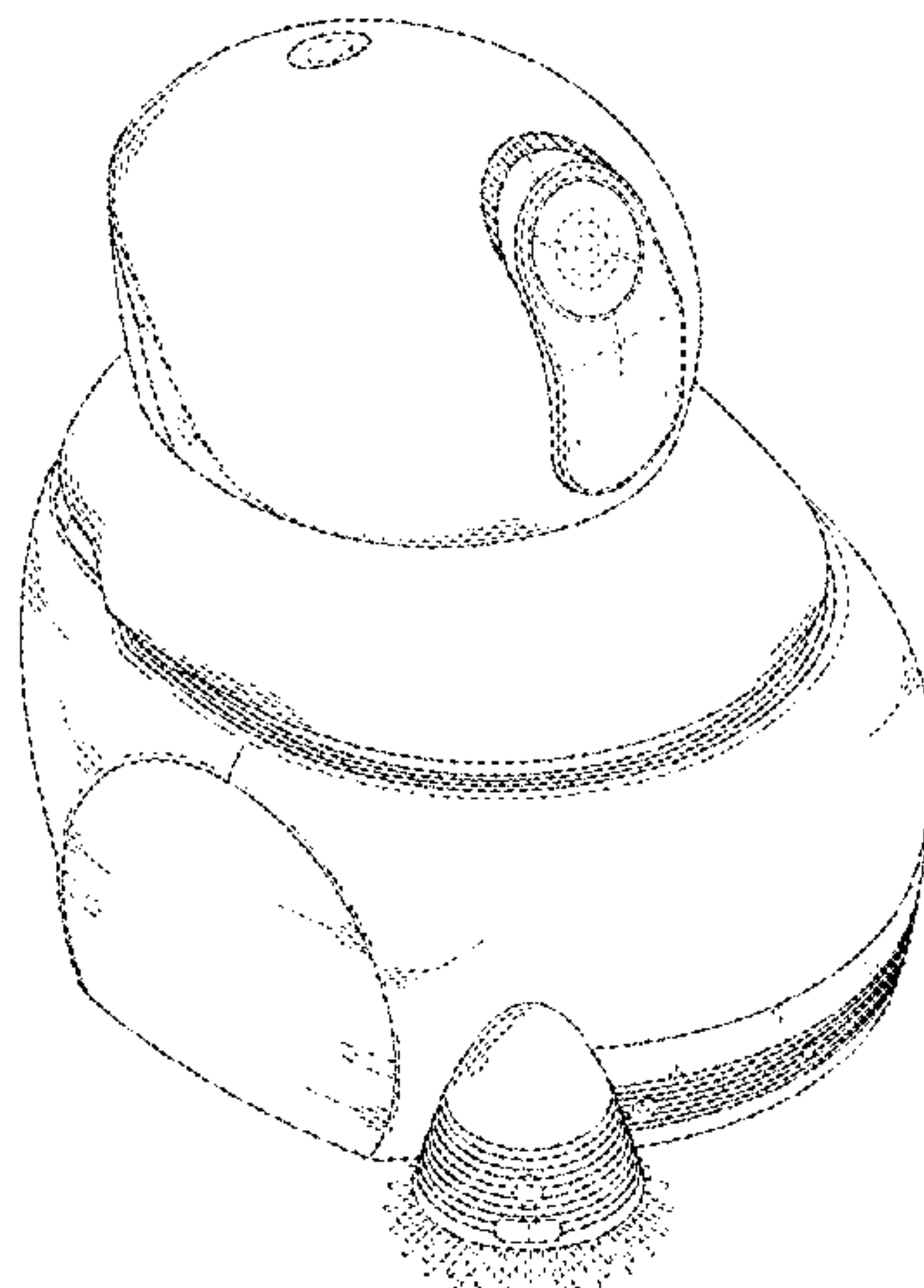
1.5 : Right

1.6 : Top

1.7 : Bottom

The broken lines depict portions of the robot for cleaning
that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



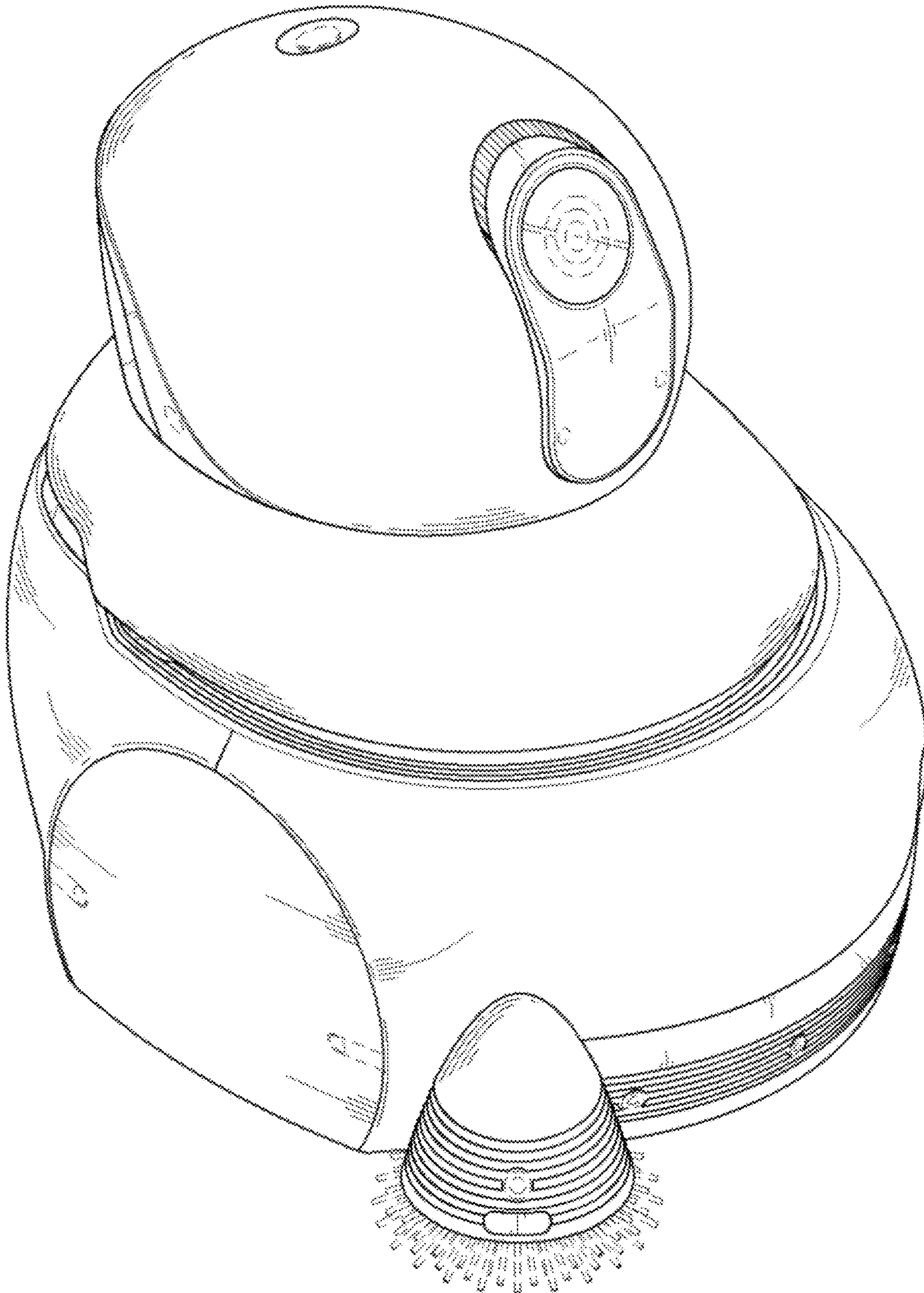
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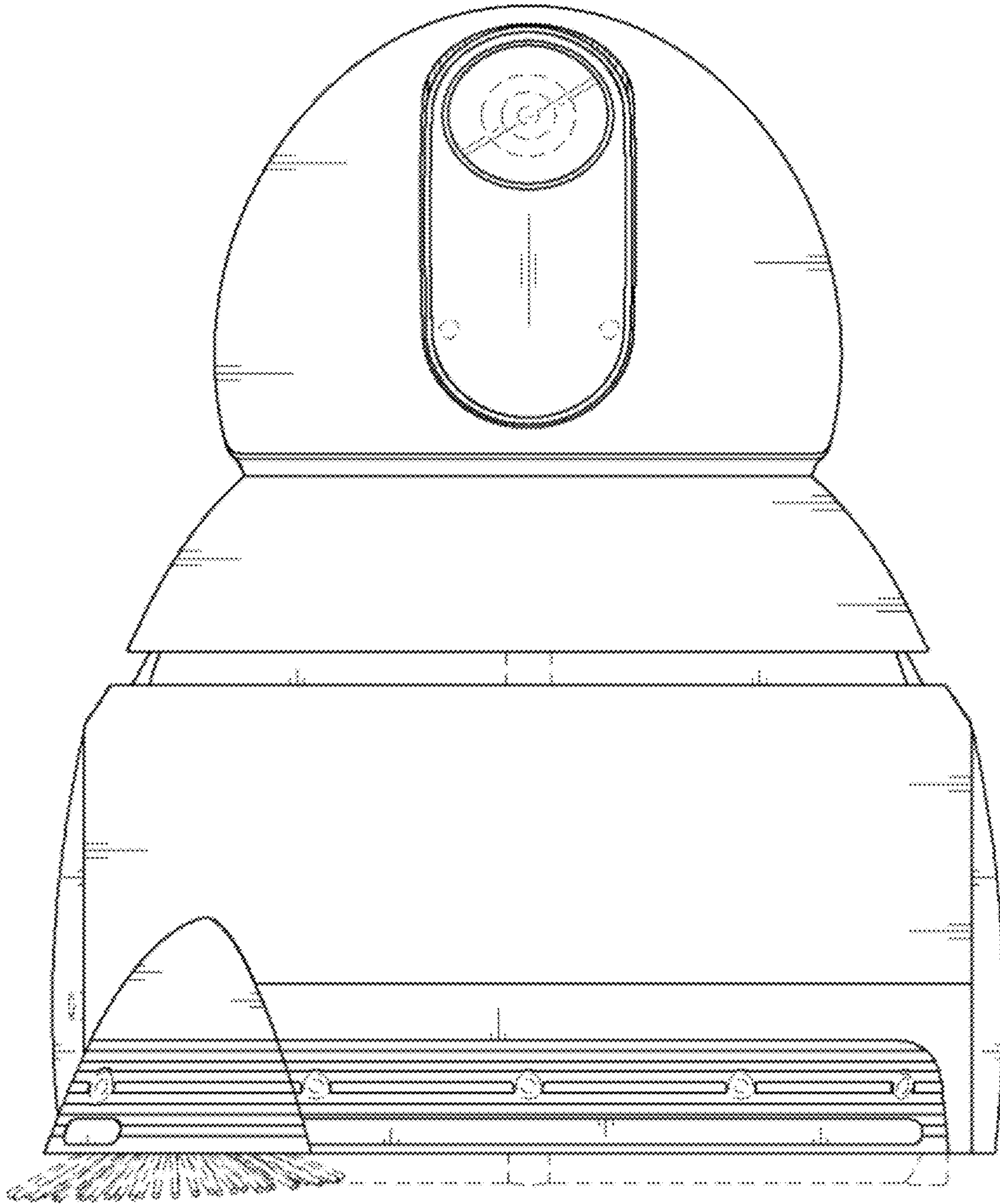
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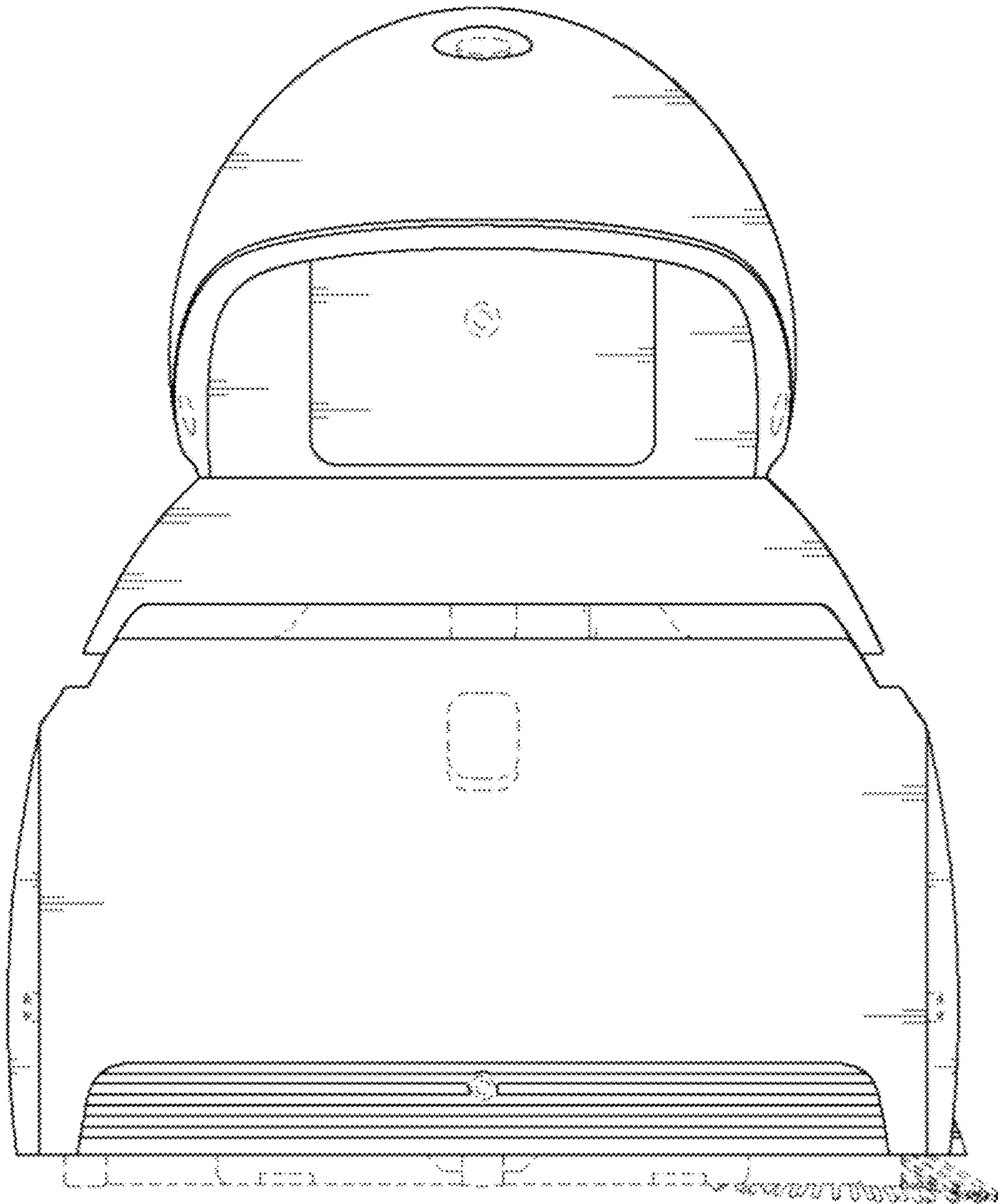
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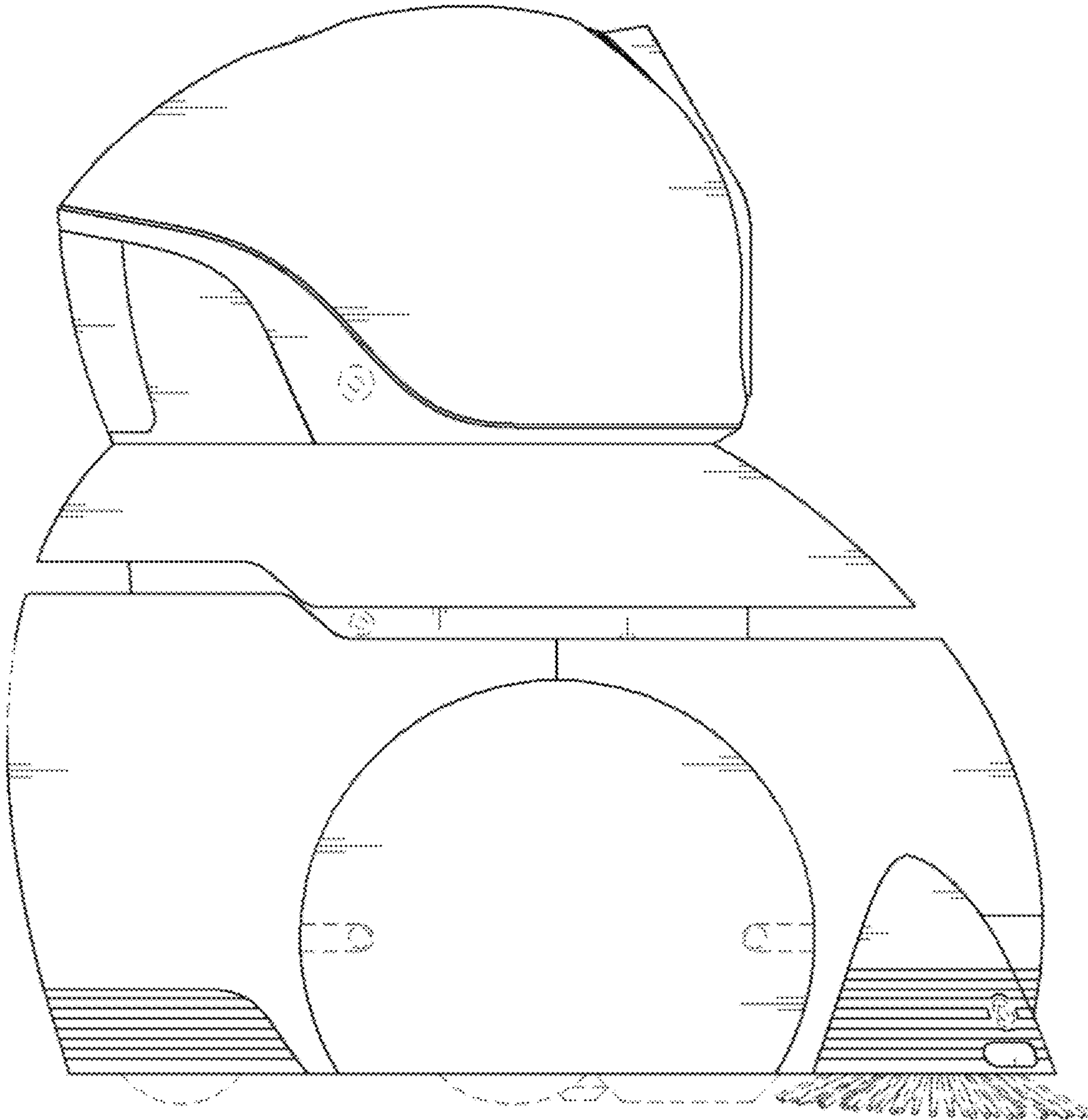
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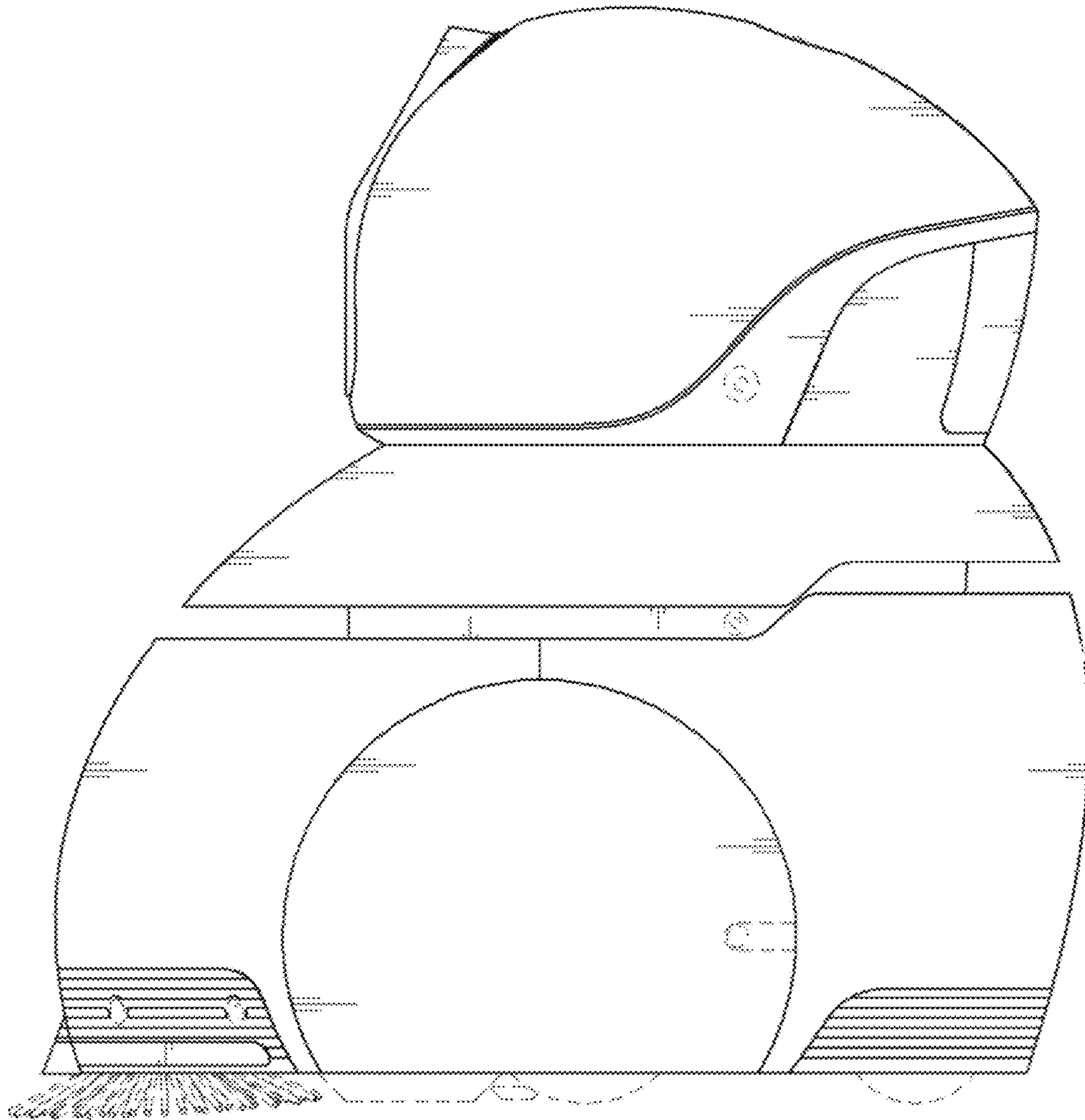
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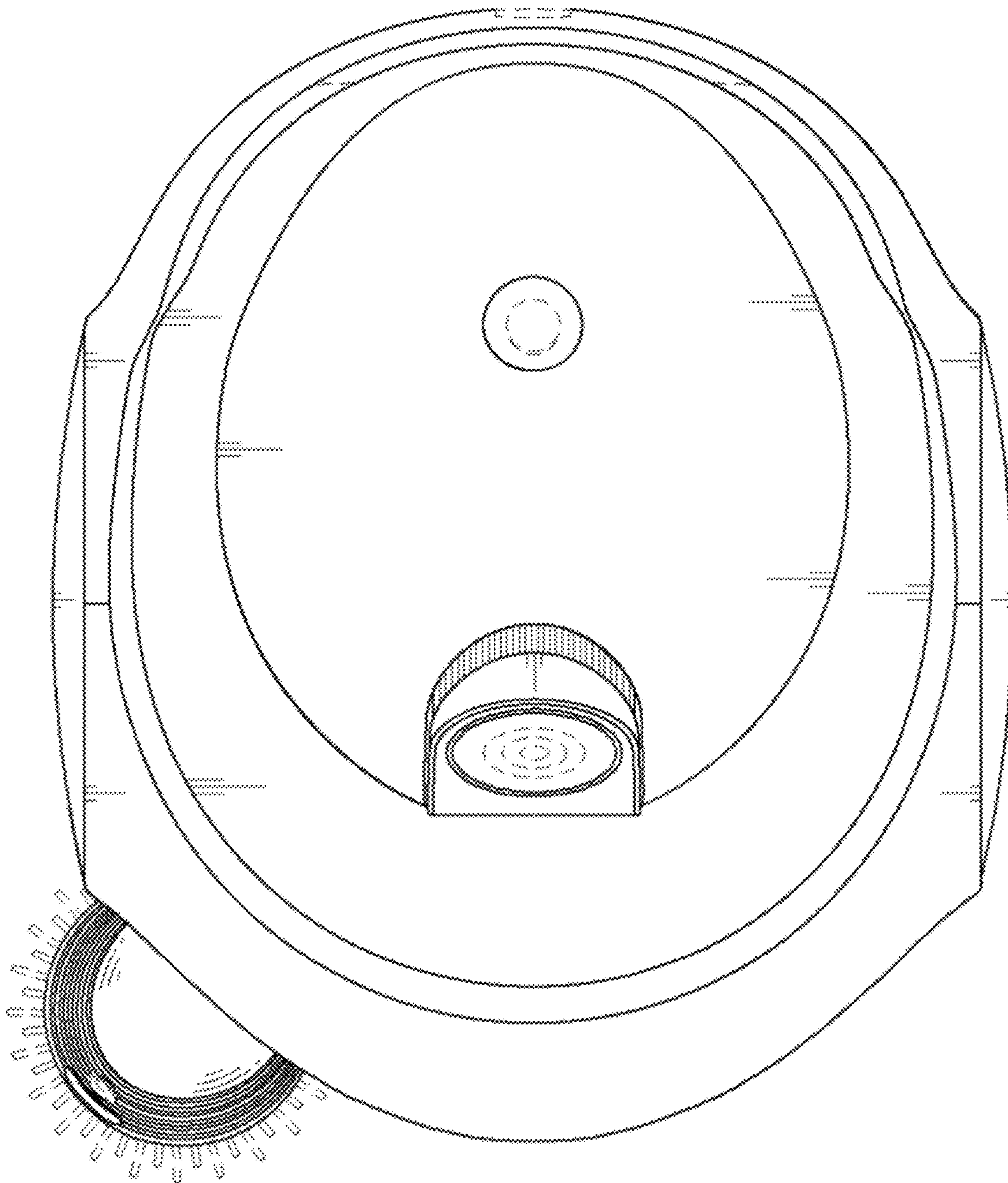
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1.5



1.6



1.7

