



US00D980560S

(12) **United States Design Patent** (10) **Patent No.:** **US D980,560 S**
Fan et al. (45) **Date of Patent:** **** Mar. 7, 2023**

(54) **CLEANING ROBOT**

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(71) Applicant: **SHENZHEN TCL NEW TECHNOLOGY CO., LTD.**, Shenzhen (CN)

(57) **CLAIM**

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

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DESCRIPTION

(73) Assignee: **SHENZHEN TCL NEW TECHNOLOGY CO., LTD.**, Shenzhen (CN)

1. Cleaning robot
2. Cleaning robot
3. Cleaning robot
4. Cleaning robot

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

1.1 : Front
1.2 : Back
1.3 : Left
1.4 : Right
1.5 : Top
1.6 : Bottom

(21) Appl. No.: **35/512,153**

(22) Filed: **Jun. 16, 2021**

1.7 : Perspective
2.1 : Front
2.2 : Back
2.3 : Left
2.4 : Right
2.5 : Top
2.6 : Bottom

(80) **Hague Agreement Data**

Int. Filing Date: **Jun. 16, 2021**

Int. Reg. No.: **DM/215024**

Int. Reg. Date: **Jun. 16, 2021**

Int. Reg. Pub. Date: **Jul. 9, 2021**

2.7 : Perspective
3.1 : Front
3.2 : Back
3.3 : Left
3.4 : Right
3.5 : Top
3.6 : Bottom

(30) **Foreign Application Priority Data**

Apr. 30, 2021 (CN) 202130260865.2

(51) **LOC (14) Cl.** **32-03**

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

(58) **Field of Classification Search**
USPC D32/21, 23, 24, 31

3.7 : Perspective
4.1 : Front
4.2 : Back
4.3 : Left
4.4 : Right
4.5 : Top
4.6 : Bottom

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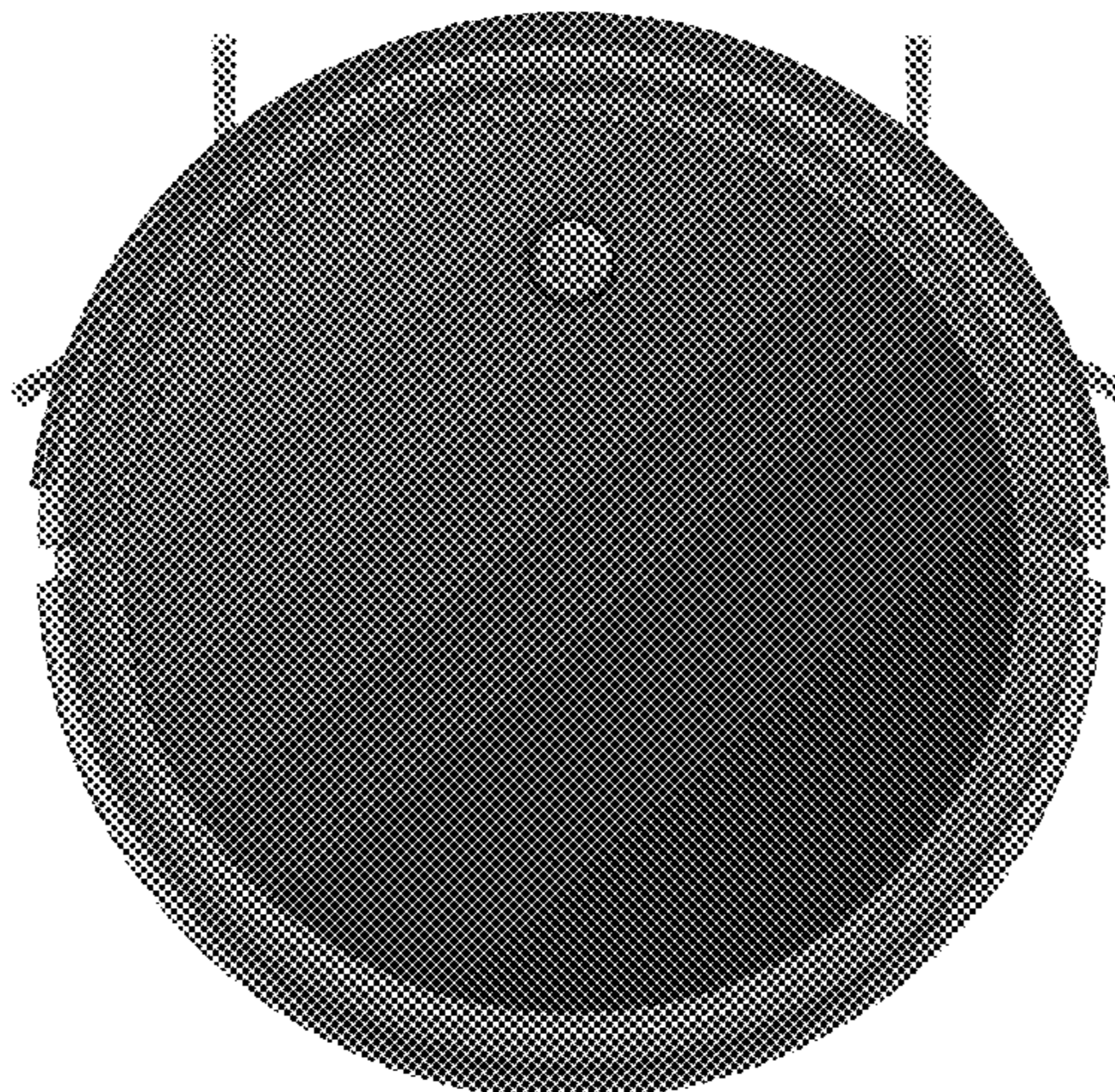
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Figs. 1.1-1.7 are drawings showing a first embodiment of the cleaning robot; figs. 2.1-2.7 are drawings showing a second embodiment of the cleaning robot; figs. 3.1-3.7 are drawings

Primary Examiner — Khawaja Anwar

(Continued)



showing a third embodiment of the cleaning robot; and figs. 4.1-4.7 are drawings showing a fourth embodiment of the cleaning robot; the present product is used for cleaning the floor/ground. The portions of the cleaning robot each shown with gray color overlay and located between two broken-line boundaries form no part of the claimed design.

1 Claim, 28 Drawing Sheets

(58) **Field of Classification Search**

CPC A47L 5/365; A47L 11/4011; A47L 2201/022; A47L 2201/04; A47L 5/14; A47L 5/30; A47L 5/36; A47L 7/0014; A47L 7/0019; A47L 7/04; A47L 9/0027; A47L 9/0036; A47L 9/0045; A47L 9/0081; A47L 9/009; A47L 9/08; A47L

9/14; A47L 9/1608; A47L 9/1675; A47L 9/1691; A47L 9/20; A47L 9/22; A47L 9/244; A47L 9/325

See application file for complete search history.

(56)

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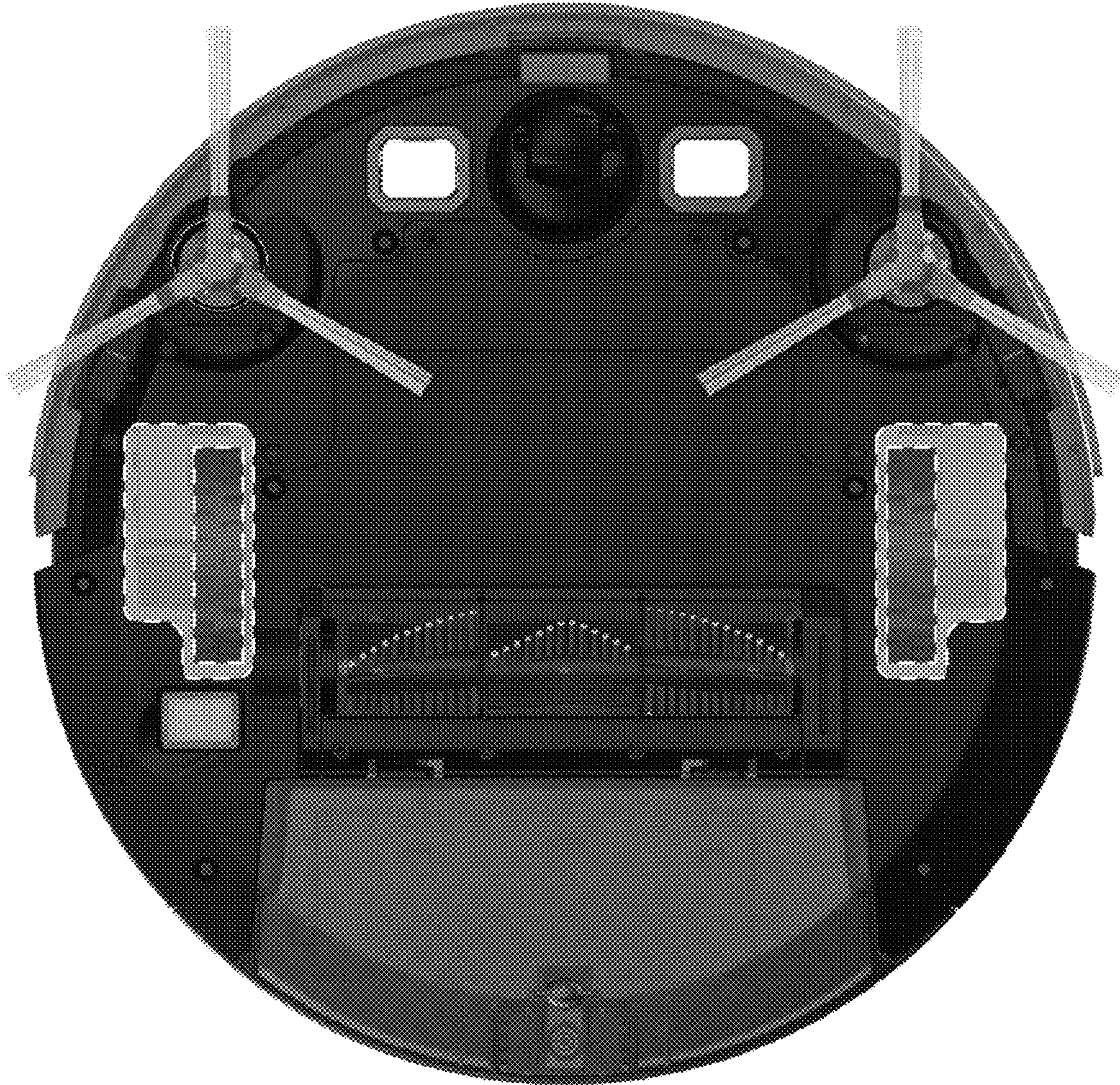
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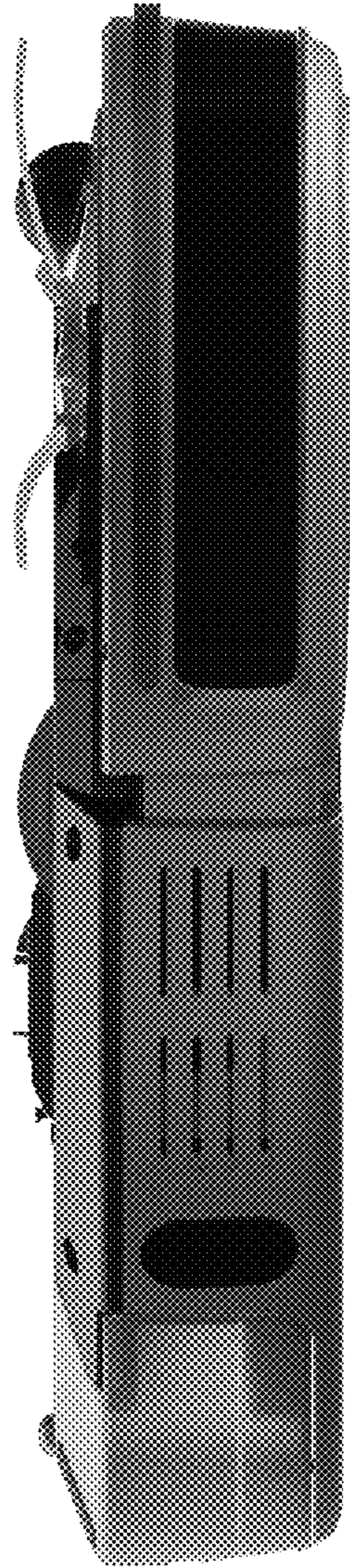
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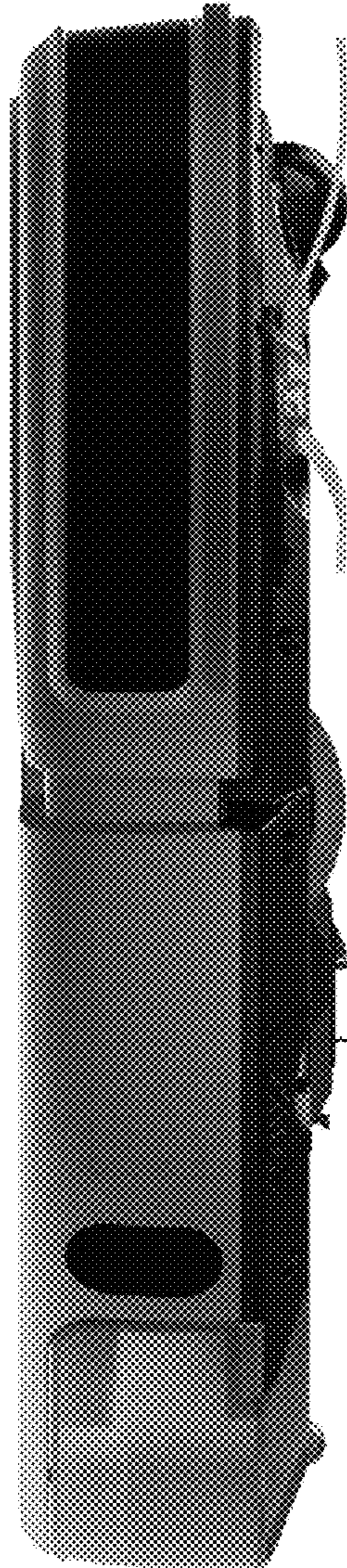
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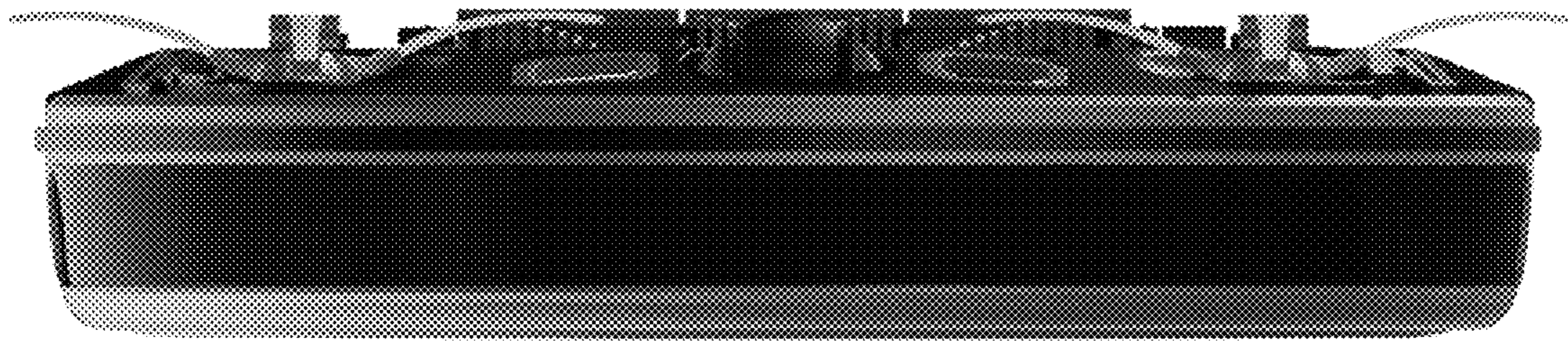
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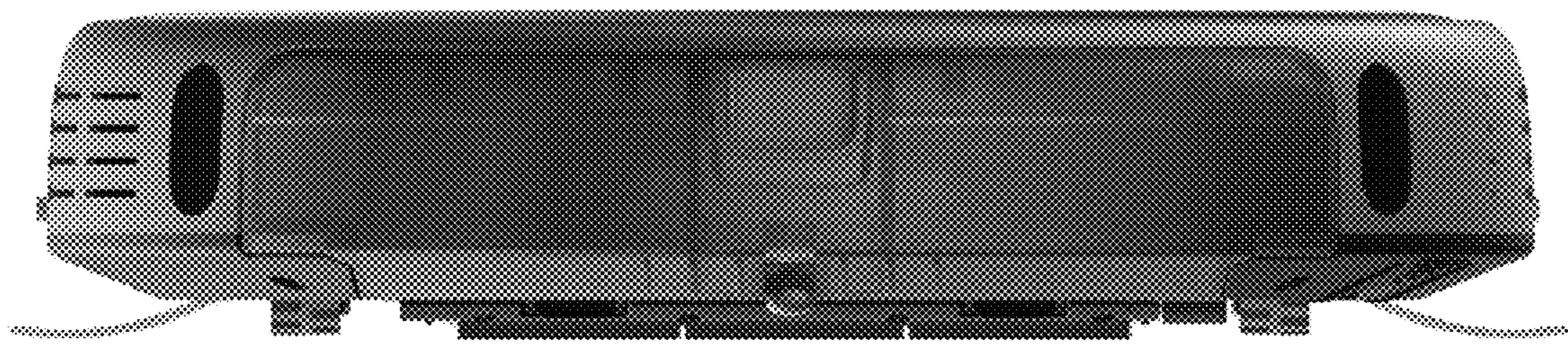
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1.4



1.5



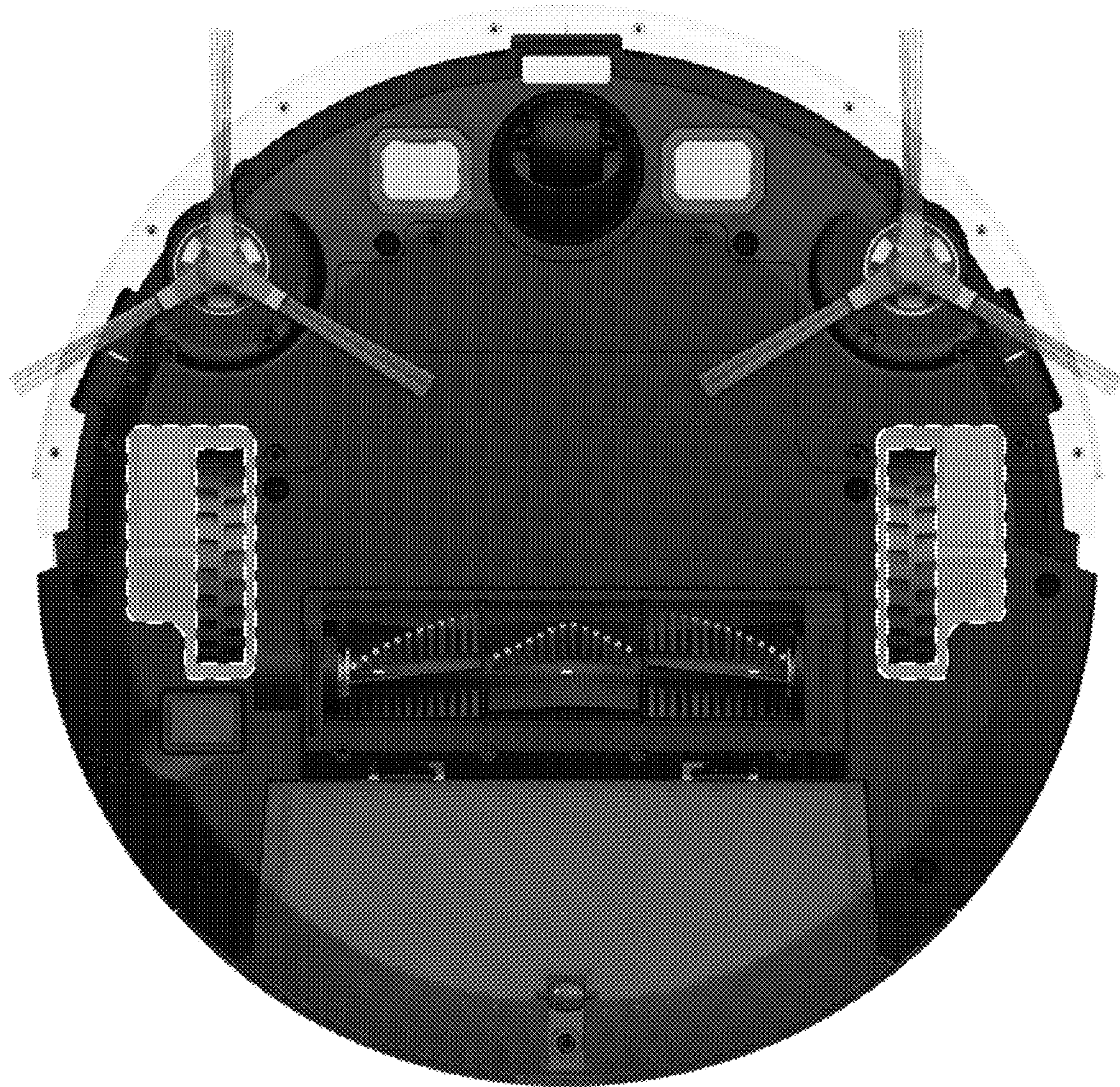
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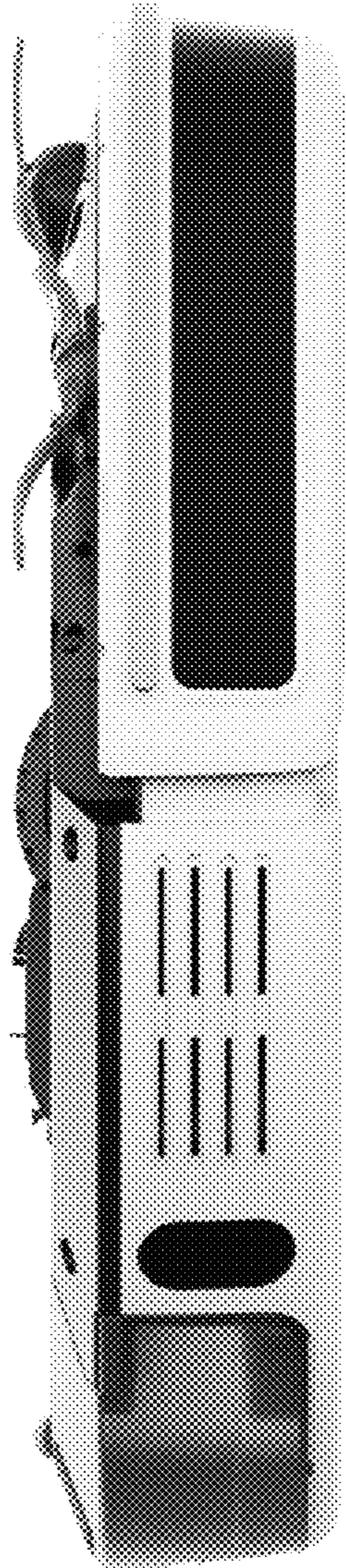


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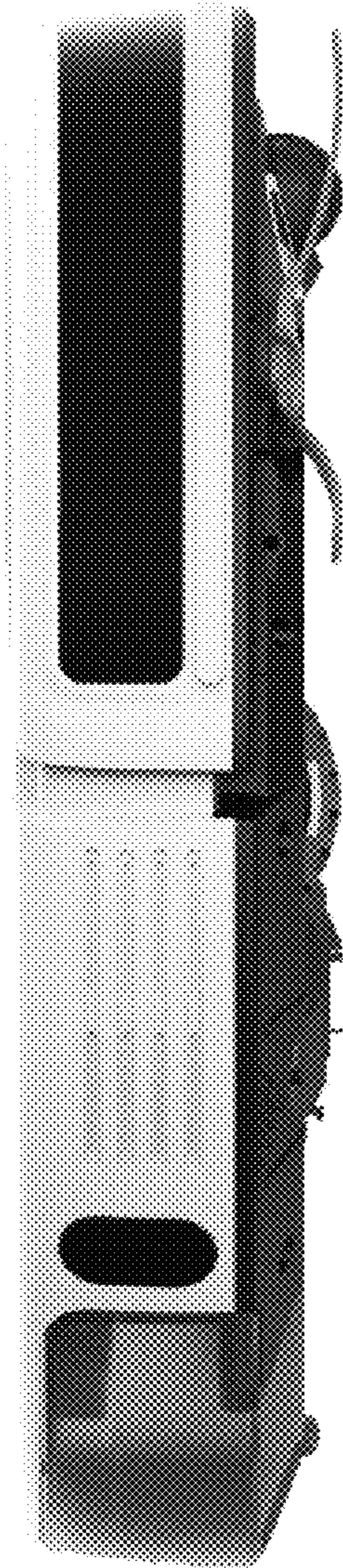


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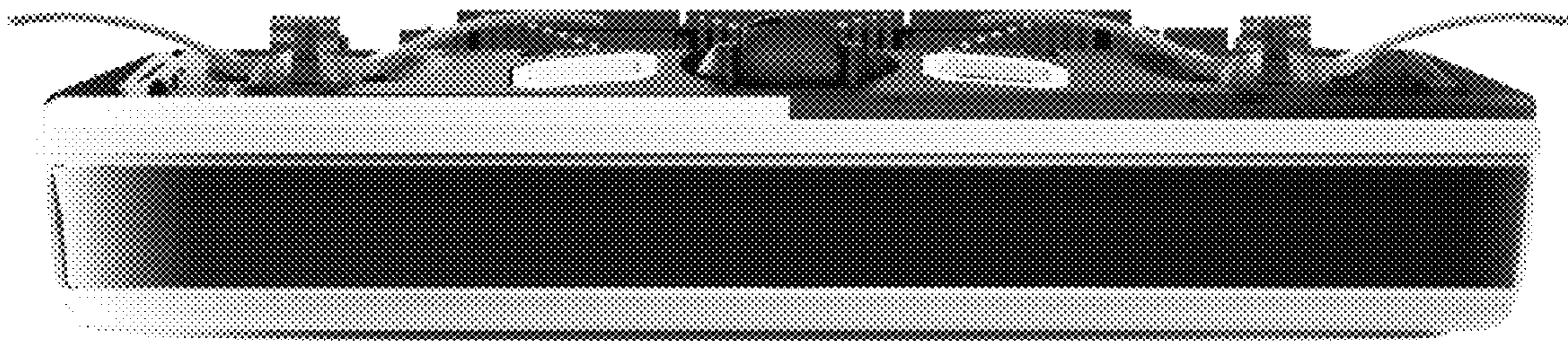




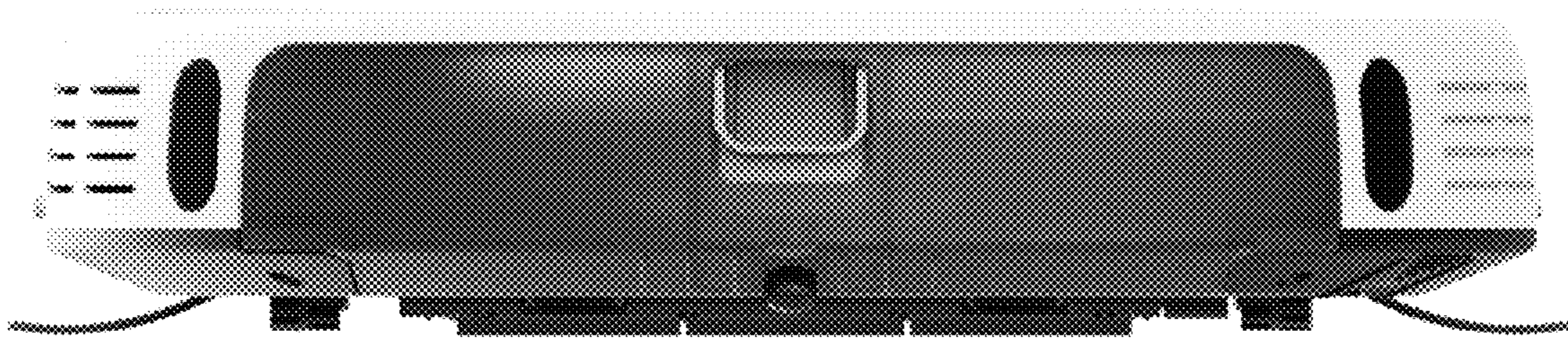
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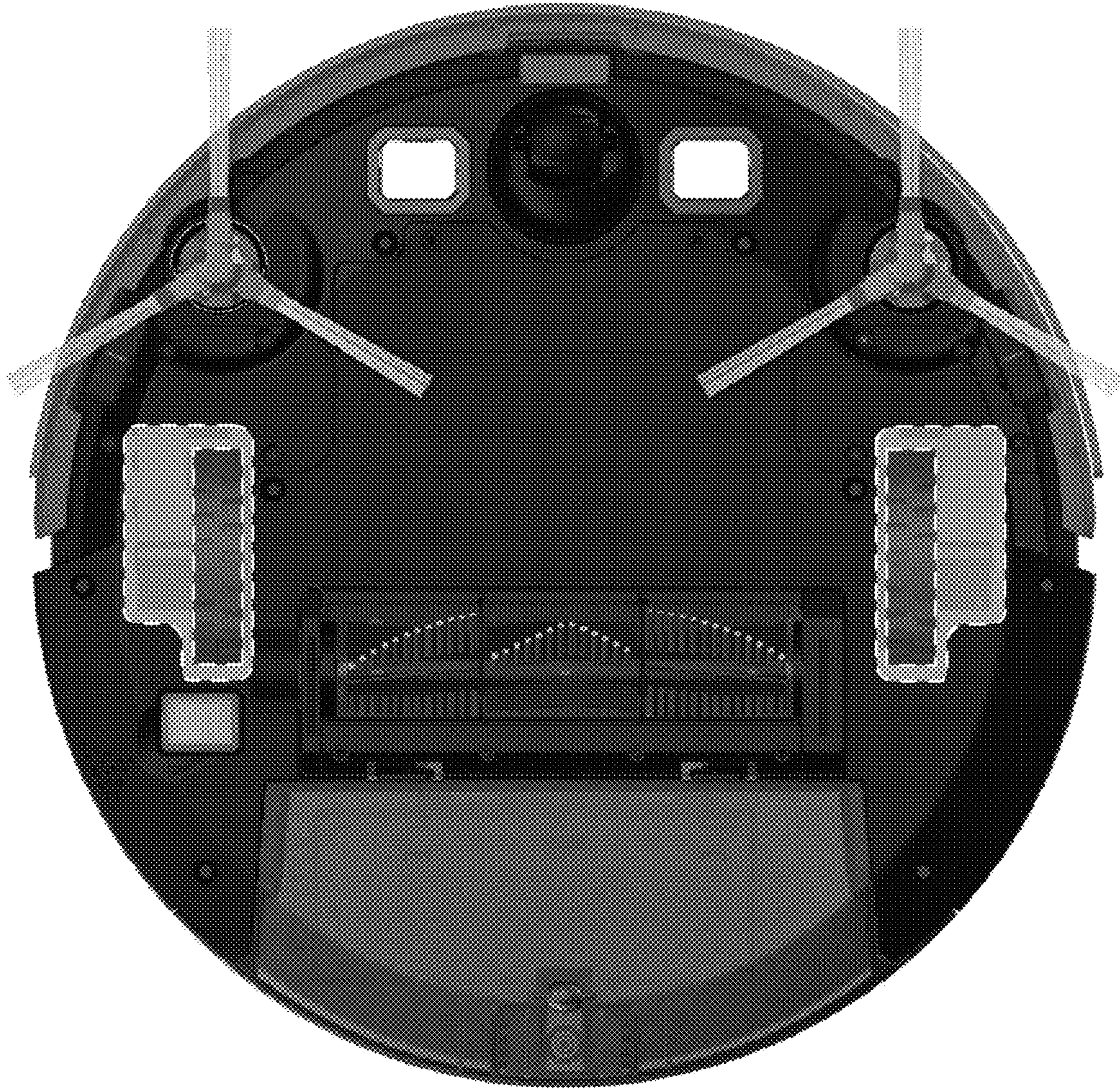
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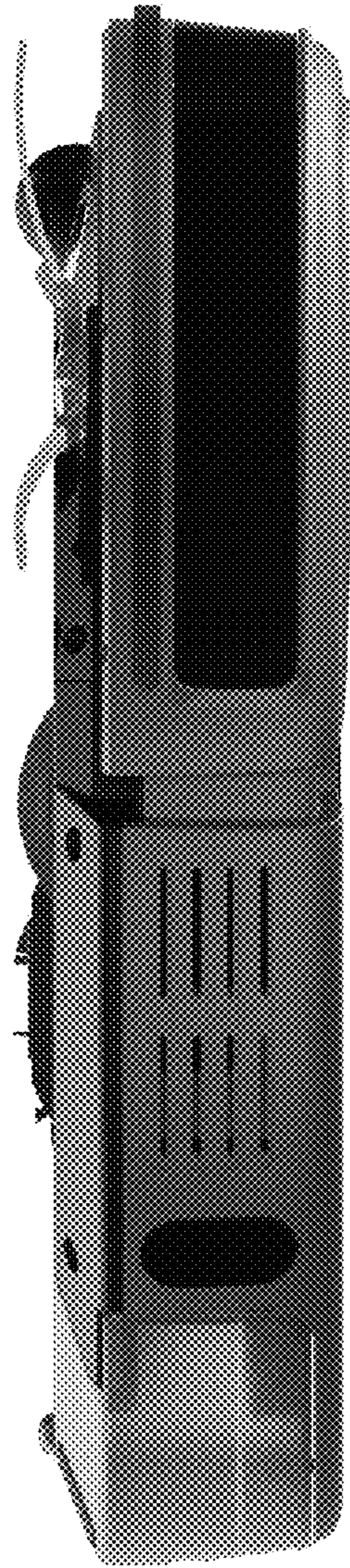
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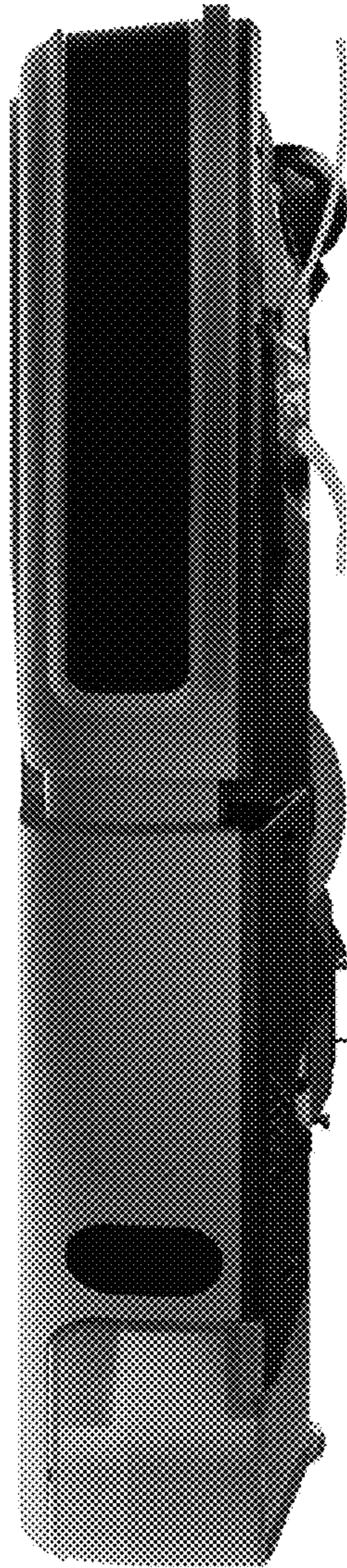
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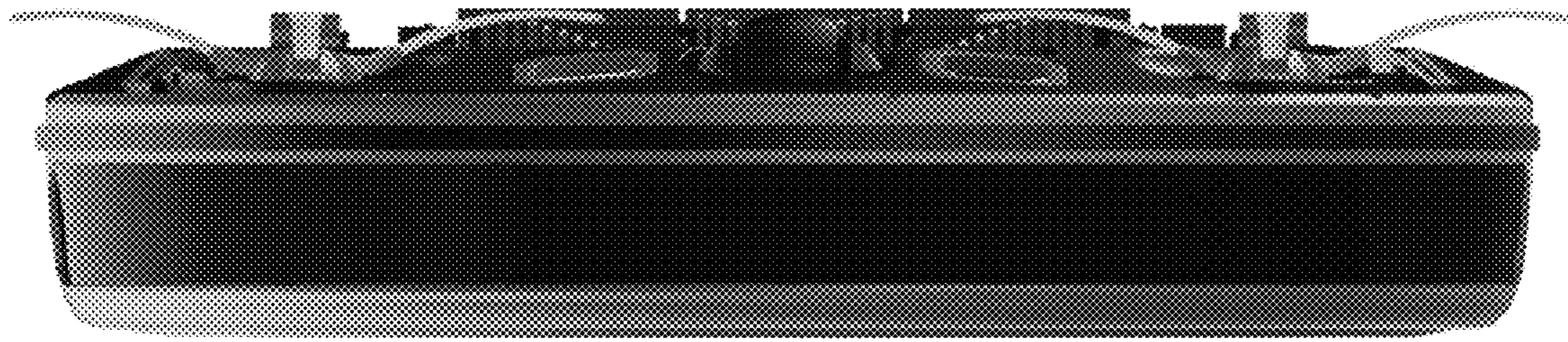
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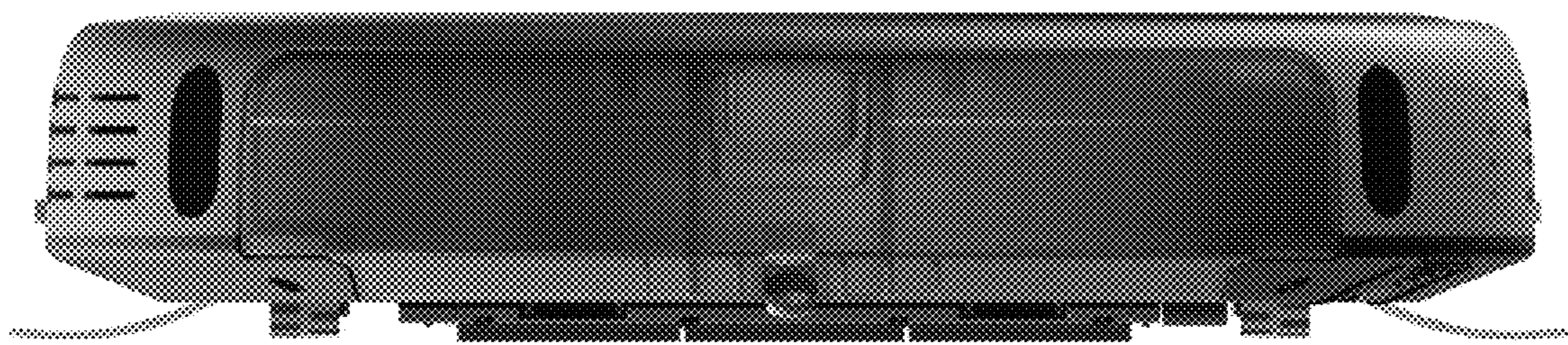
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3.4



3.5



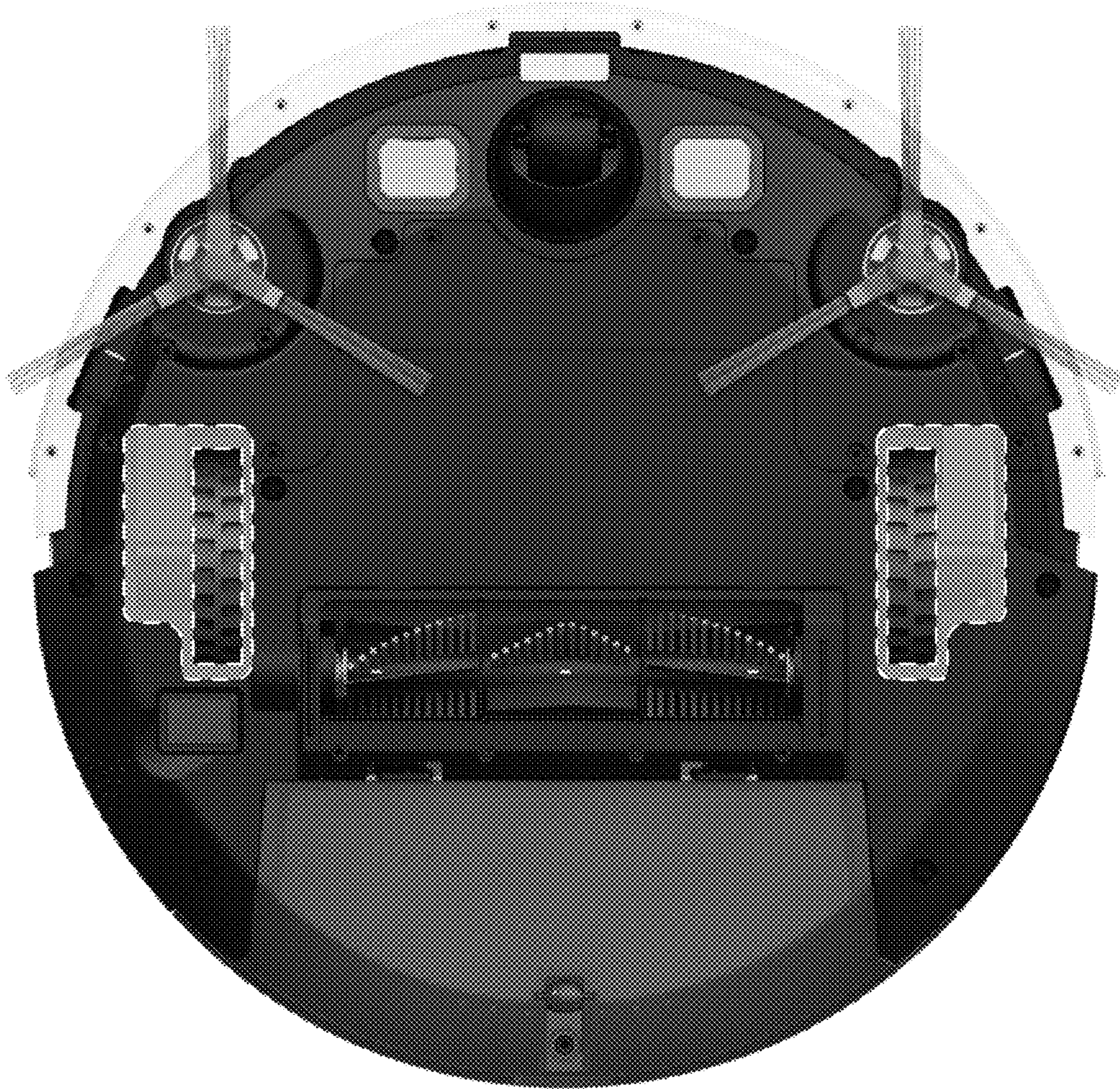
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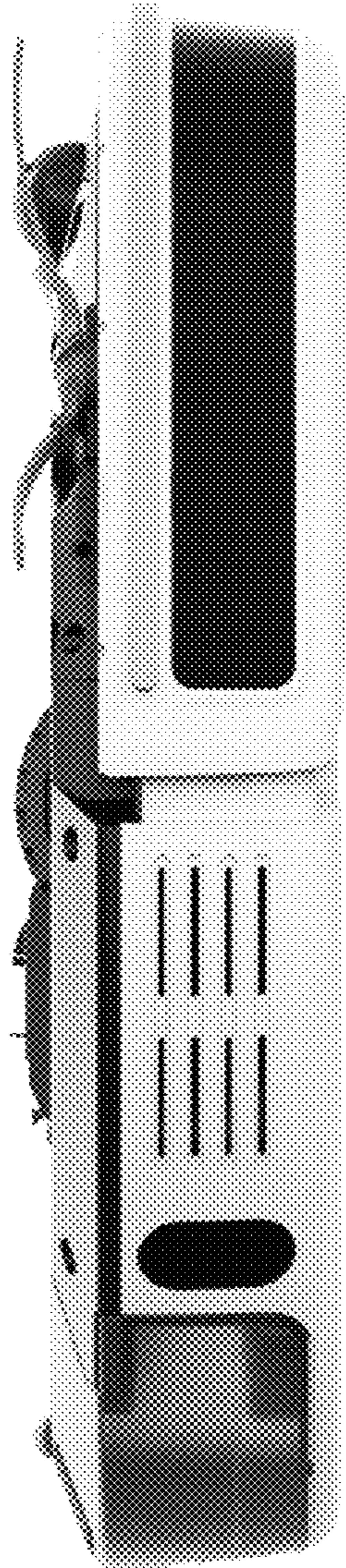


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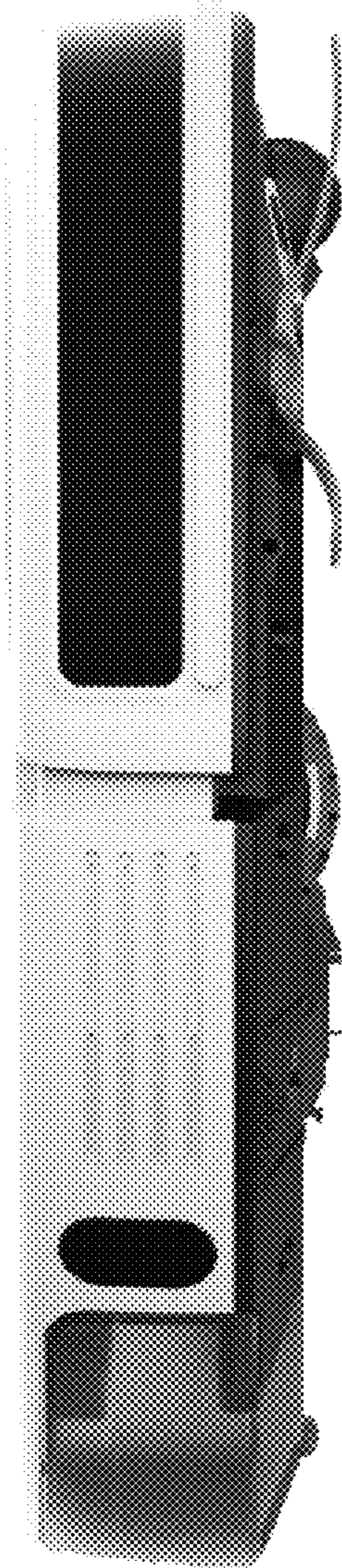


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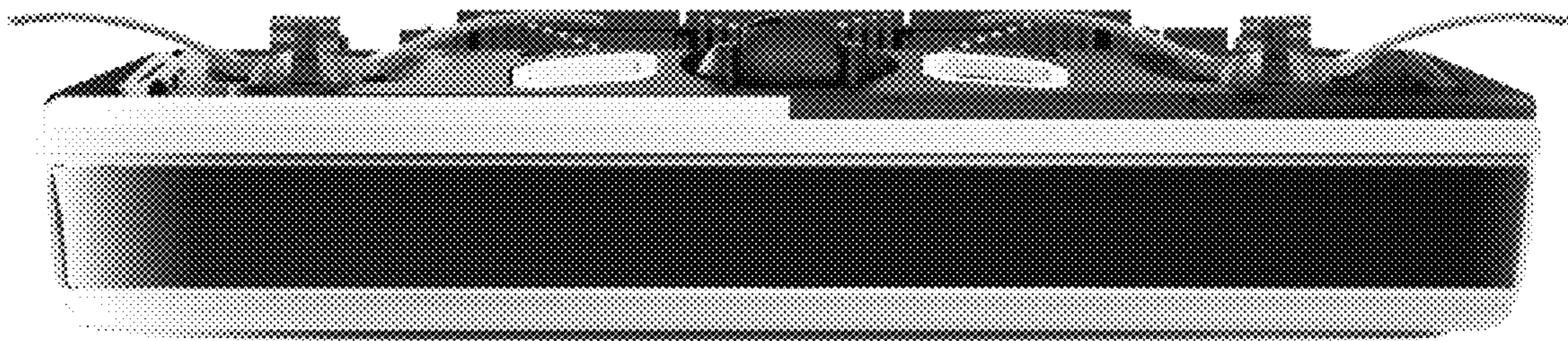




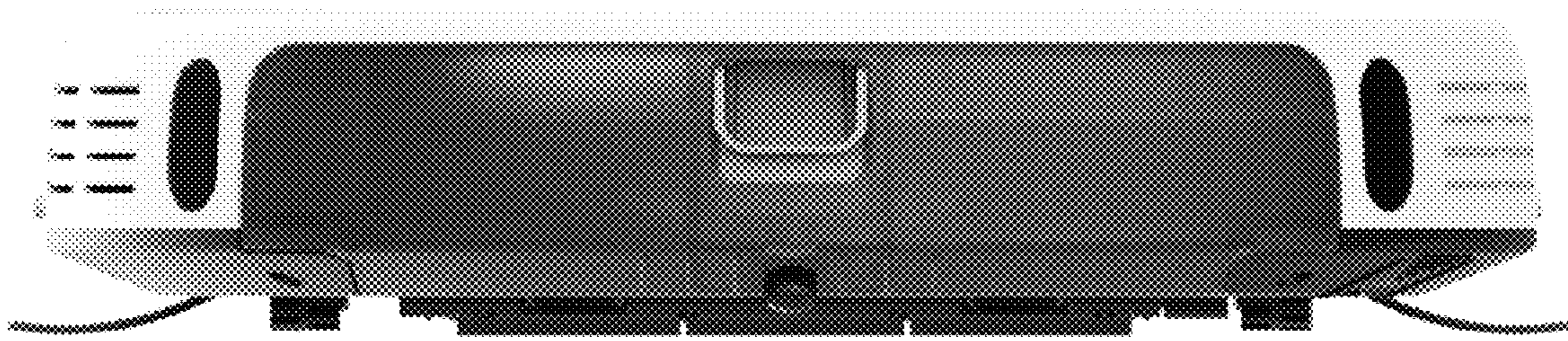
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4.4



4.5



4.6



4.7