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

(10) **Patent No.:** **US D1,028,792 S**

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(54) **REAGENT TRANSPORTATION ROBOT**

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(71) Applicant: **Hitachi High-Tech Corporation**,
Tokyo (JP)

Compound Mobile Robot Automating, Sep. 14, 2021, YouTube [online], [Site Visit Nov. 15, 2023], URL: <https://www.youtube.com/watch?v=o7AyJ99KKj0> (Year: 2021).*

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(Continued)

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(57) **CLAIM**

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

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

(21) Appl. No.: **29/860,870**

DESCRIPTION

(22) Filed: **Nov. 23, 2022**

(30) **Foreign Application Priority Data**

May 24, 2022 (JP) 2022-011095 D

FIG. 1 is a front, top and right side perspective view of a reagent transportation robot according to the design; FIG. 2 is a rear, top and left side perspective view thereof; FIG. 3 is a front view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a rear view thereof; FIG. 7 is a top plan view thereof; FIG. 8 is a bottom plan view thereof; FIG. 9 is a cross-sectional view taken along line 9-9 of FIG. 3; FIG. 10 is a cross-sectional view taken along line 10-10 of FIG. 3; FIG. 11 is a cross-sectional view taken along line 11-11 of FIG. 3; FIG. 12 is an enlarged view of the portion shown in the dot-dash line box labeled FIG. 12 in FIG. 1; and, FIG. 13 is an enlarged view of the portion shown in the dot-dash line box labeled FIG. 13 in FIG. 2. The broken lines illustrate portions of the reagent transportation robot that form no part of the claimed design. The dot-dash line boxes shown in FIGS. 1-2 define the enlarged portions shown in FIGS. 12-13, and form no part of the claimed design.

(51) **LOC (14) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199; D12/1**

(58) **Field of Classification Search**
USPC D12/1, 14, 86, 88, 90, 91; D7/605, 606,
D7/629; D15/199; D34/34
(Continued)

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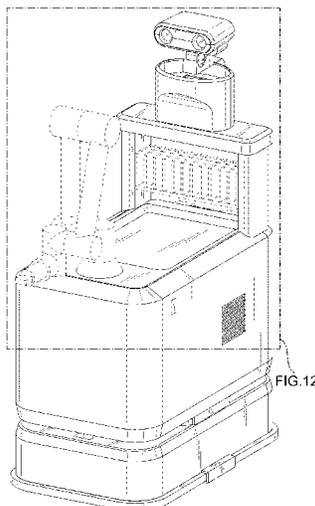
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1 Claim, 13 Drawing Sheets



(58) **Field of Classification Search**

CPC B25J 5/007; B25J 11/008; B60G 5/01;
 B60G 2300/07; B62D 61/10; G05D
 1/0238; G05D 1/0214; Y10S 901/01

See application file for complete search history.

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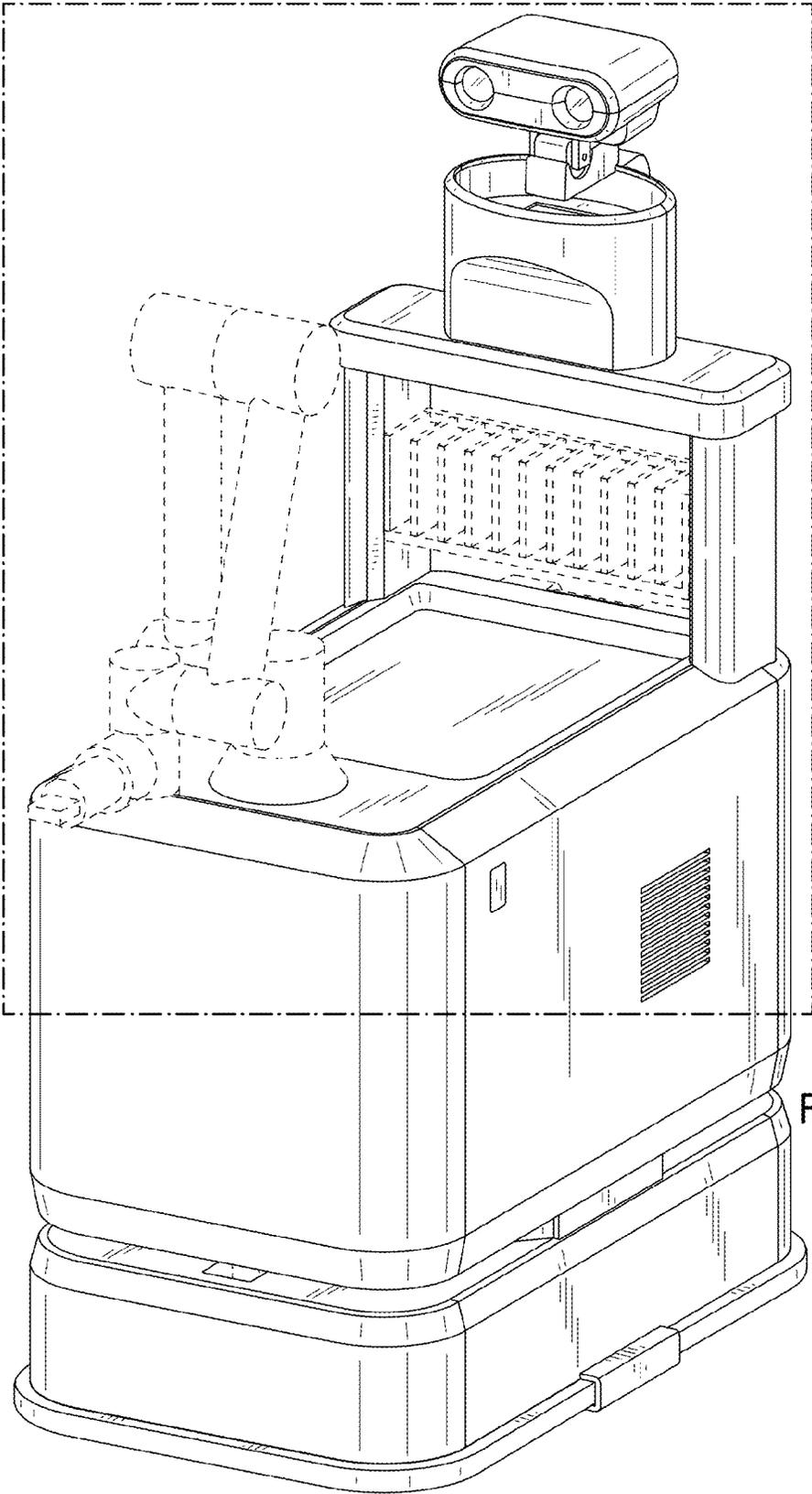


FIG. 12

FIG. 1

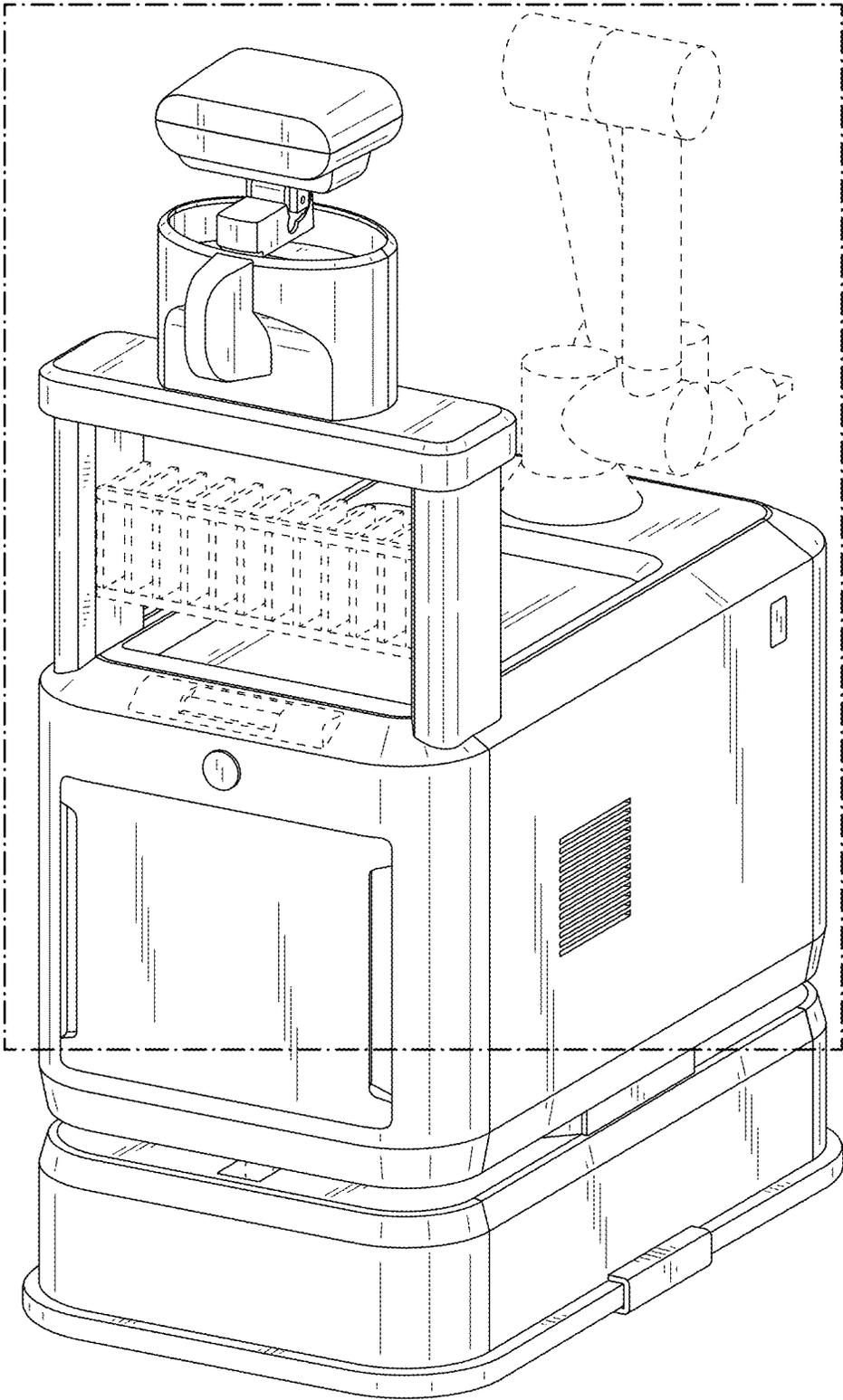


FIG.13

FIG. 2

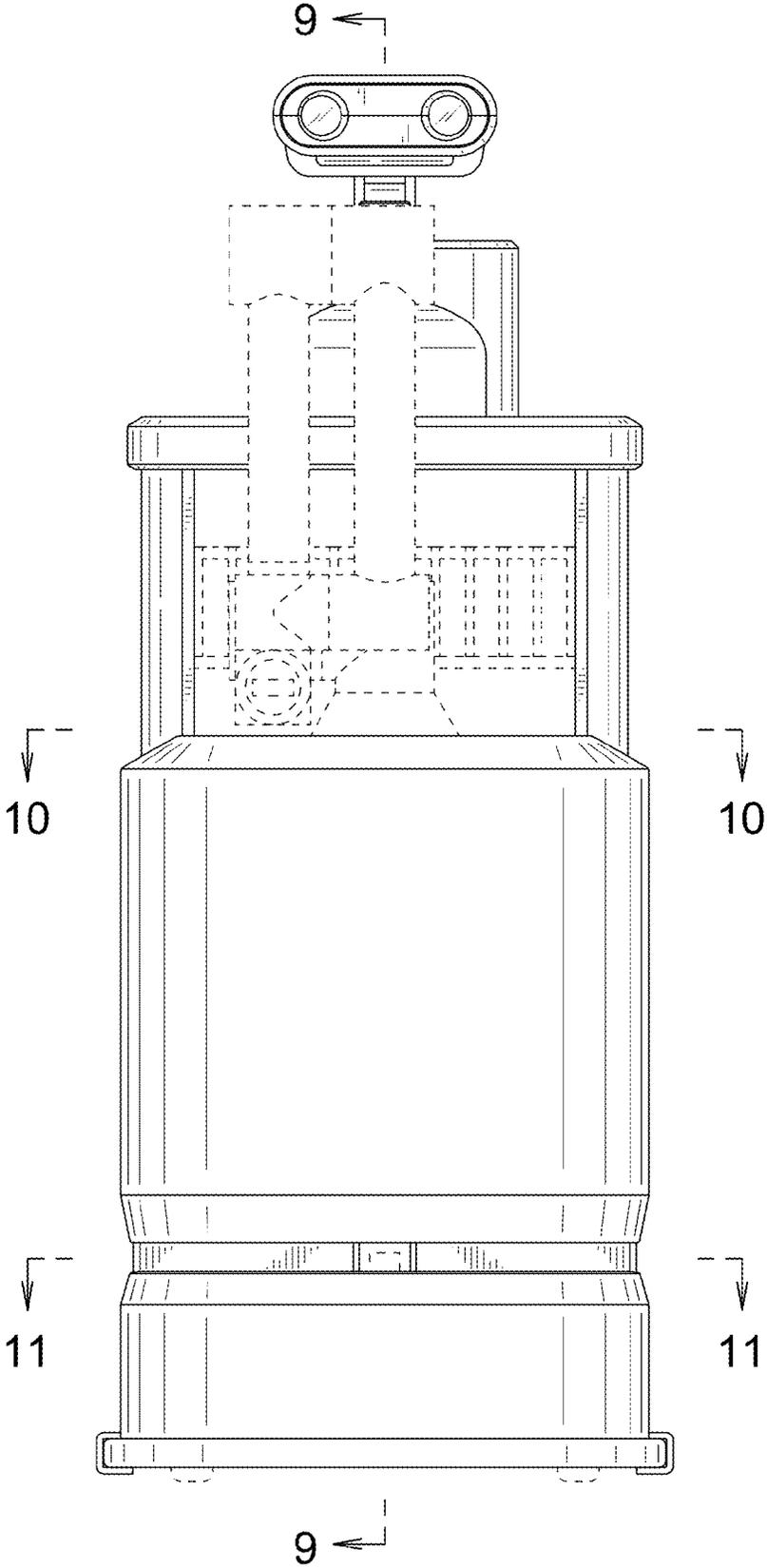


FIG. 3

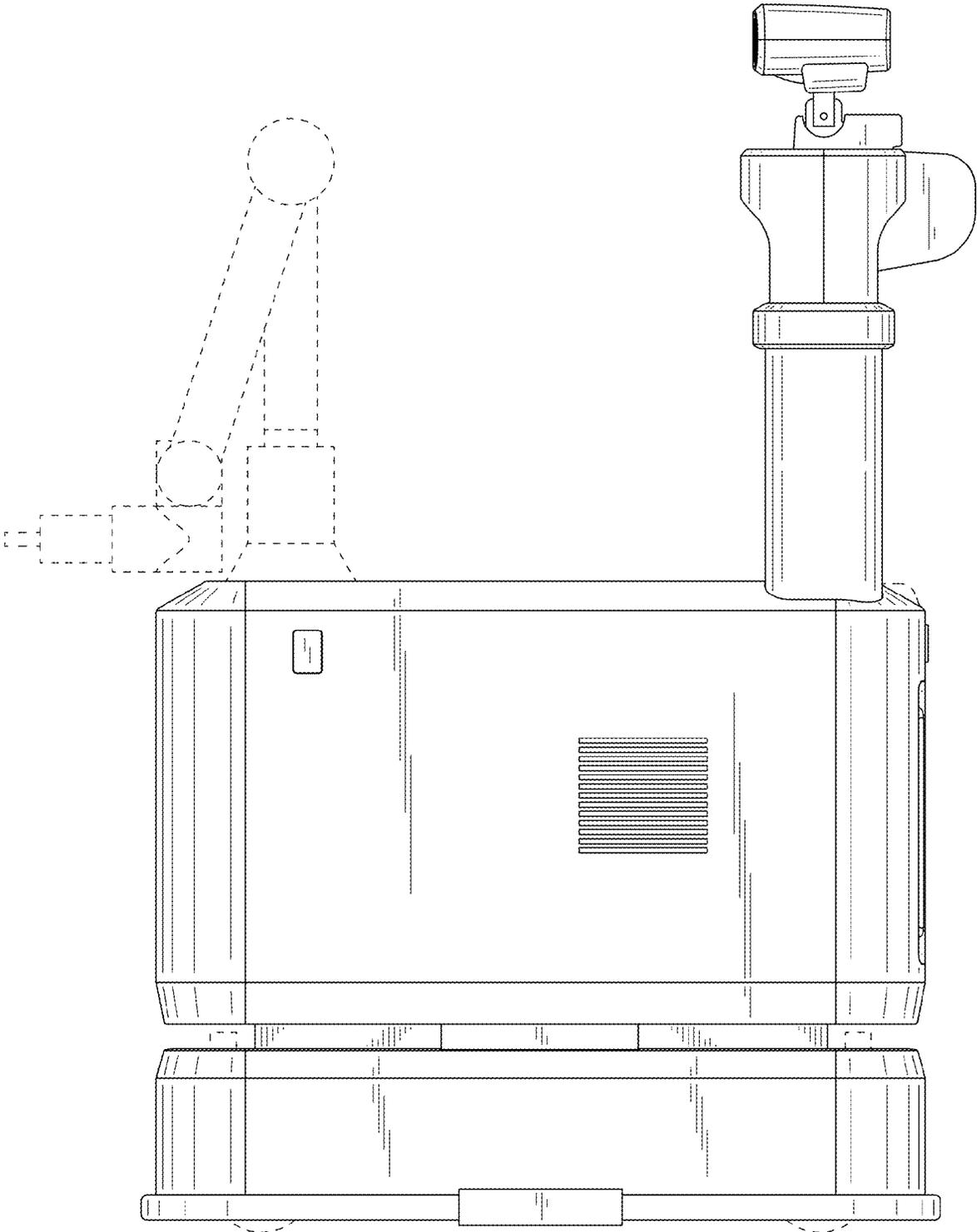


FIG. 4

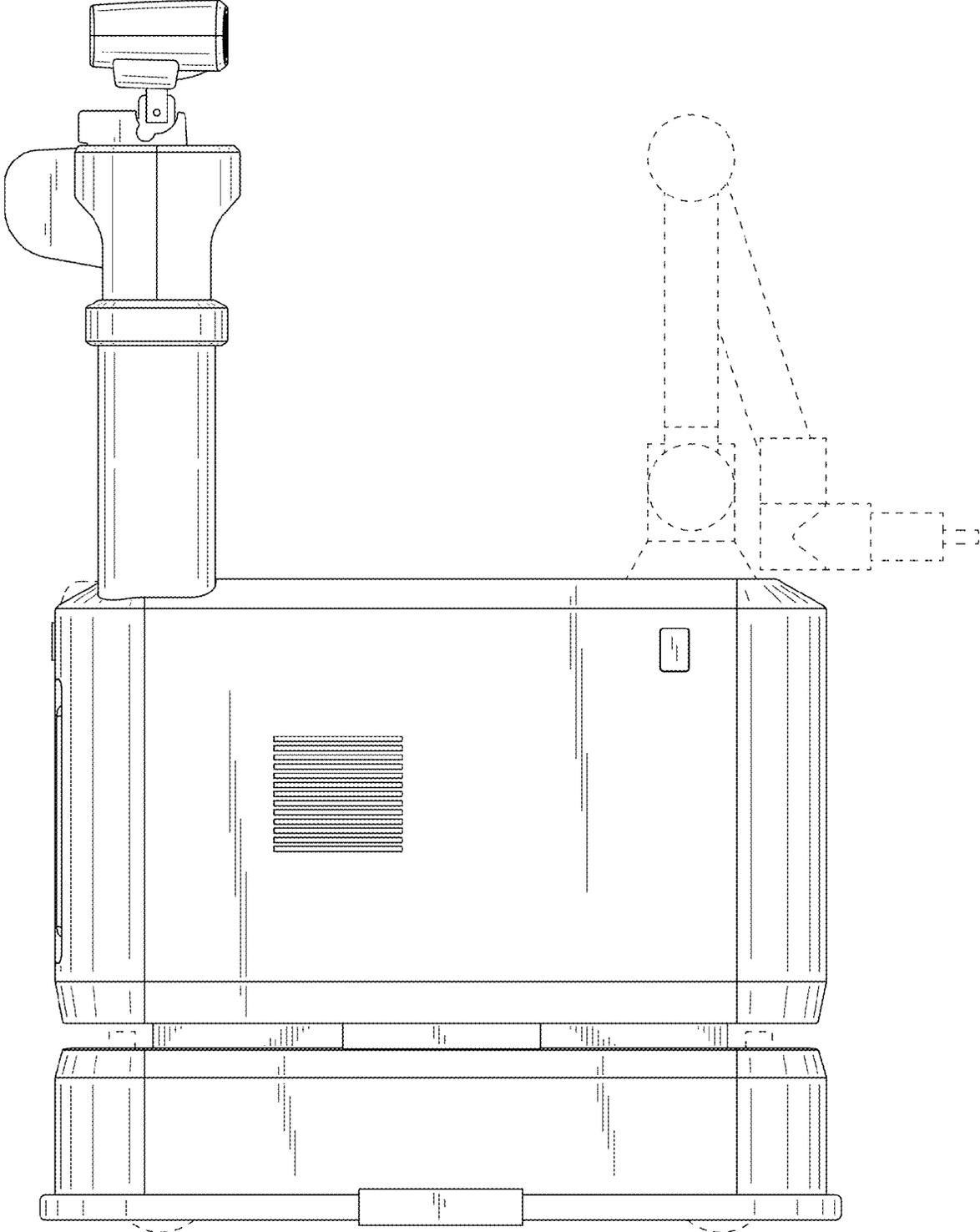


FIG. 5

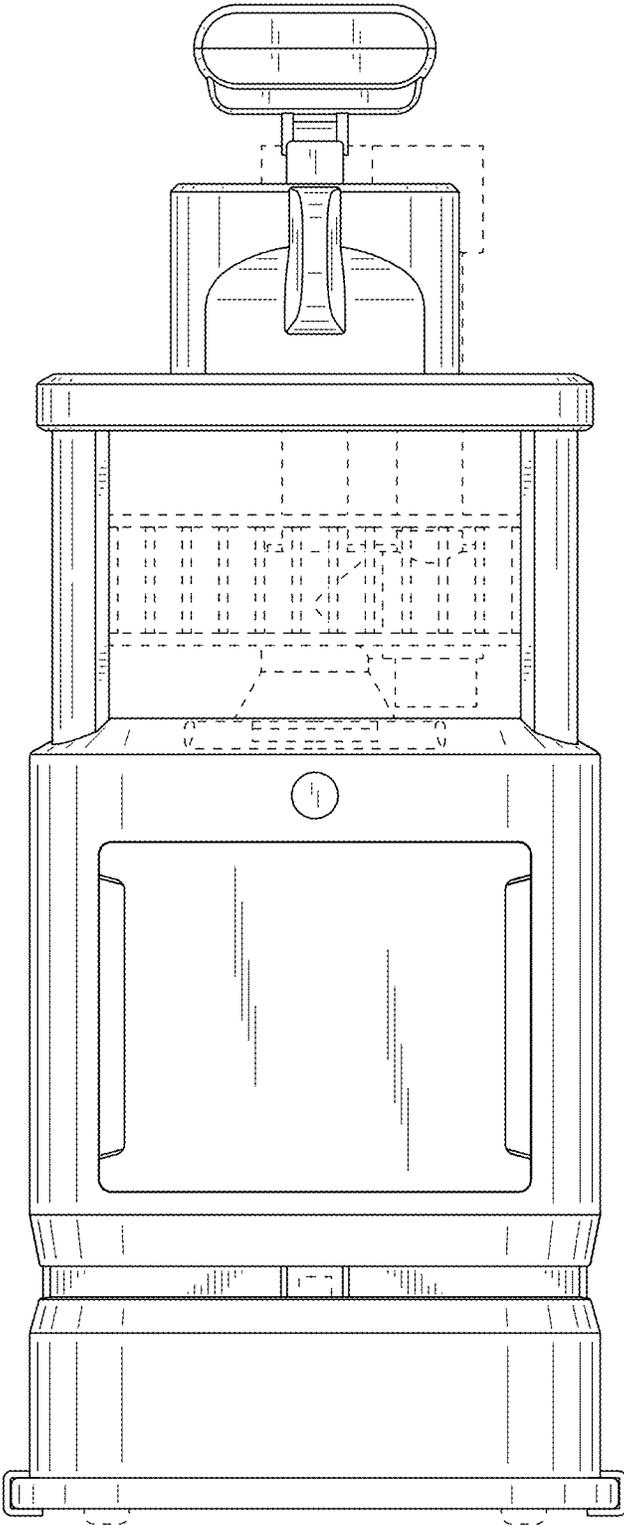


FIG. 6

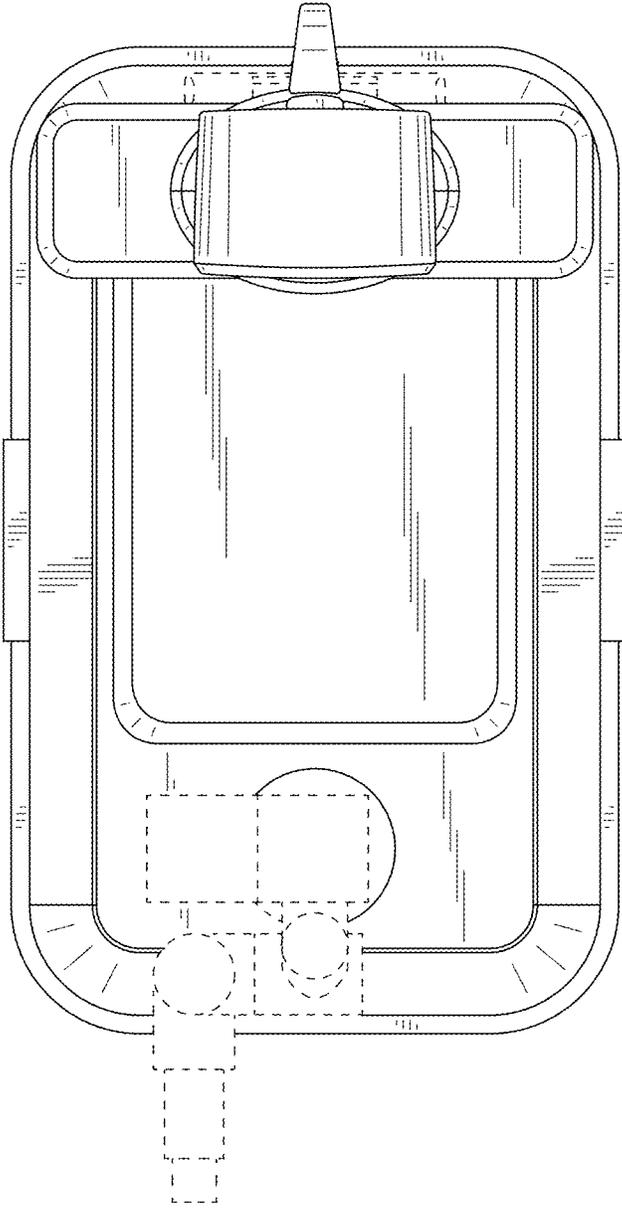


FIG. 7

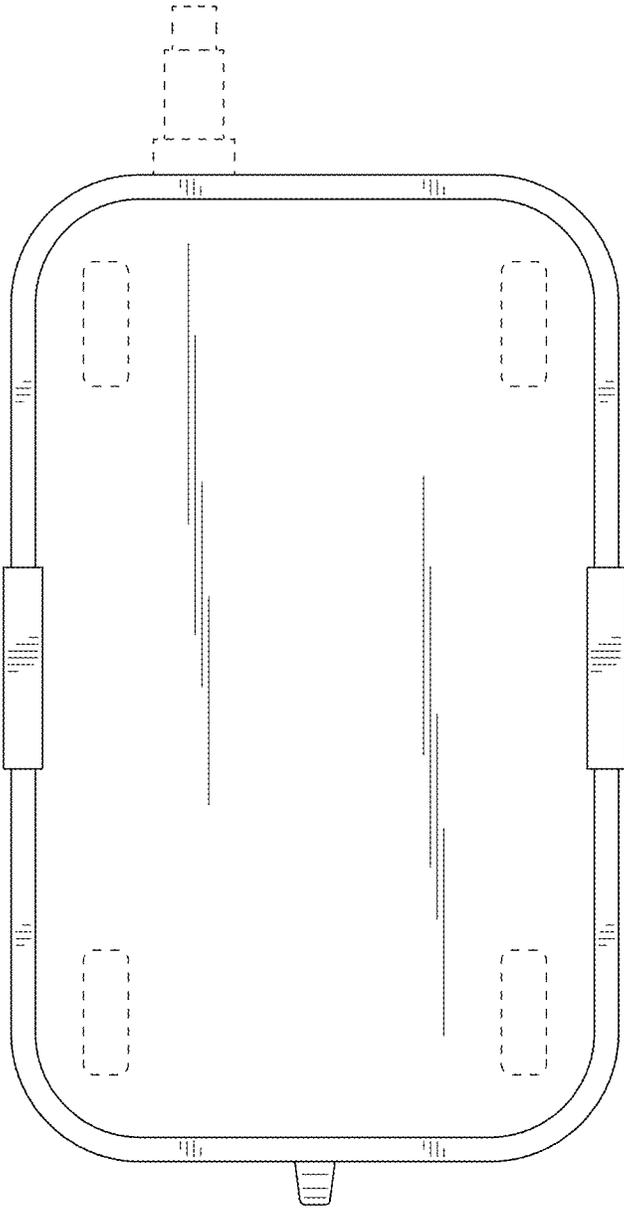


FIG. 8

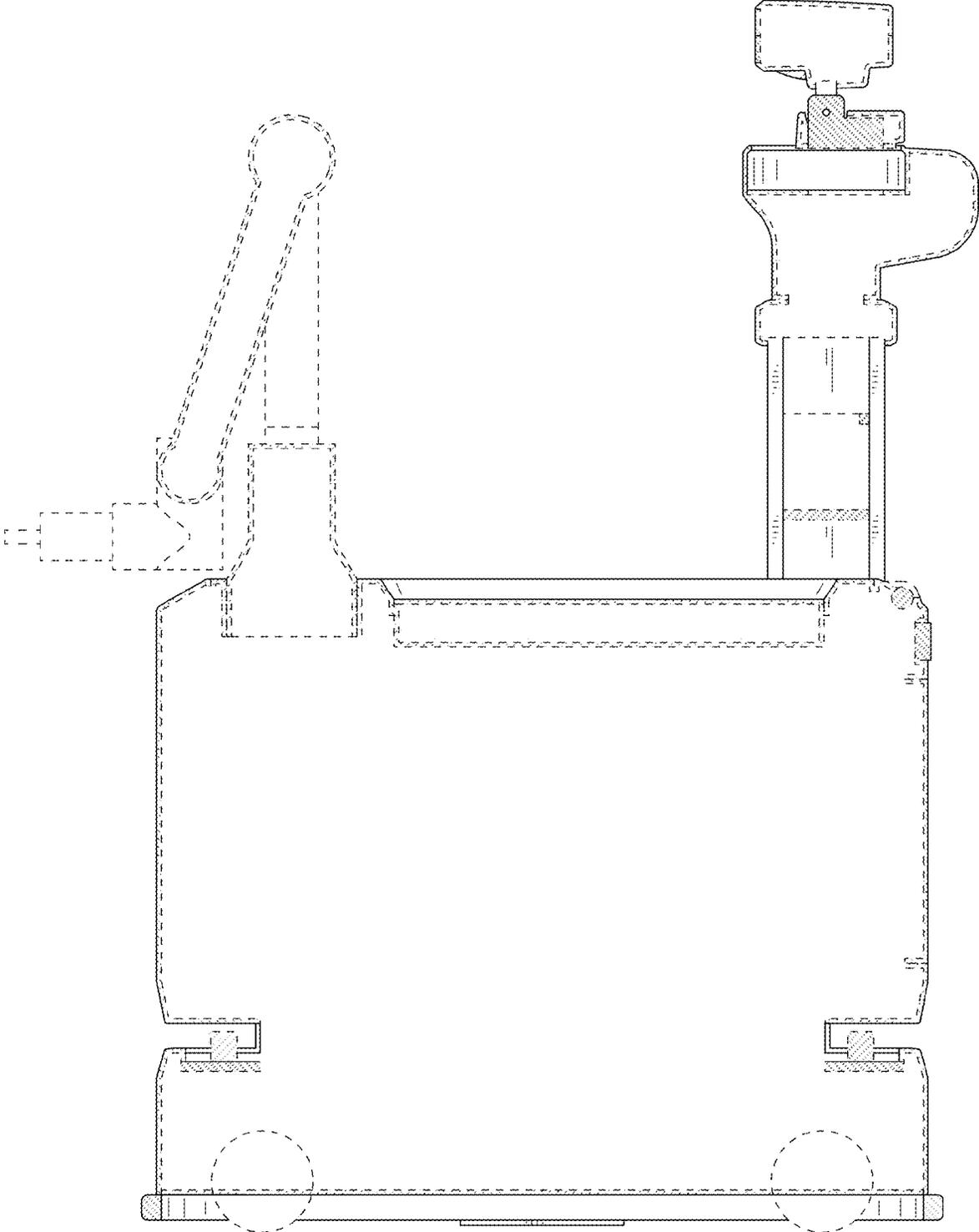


FIG. 9

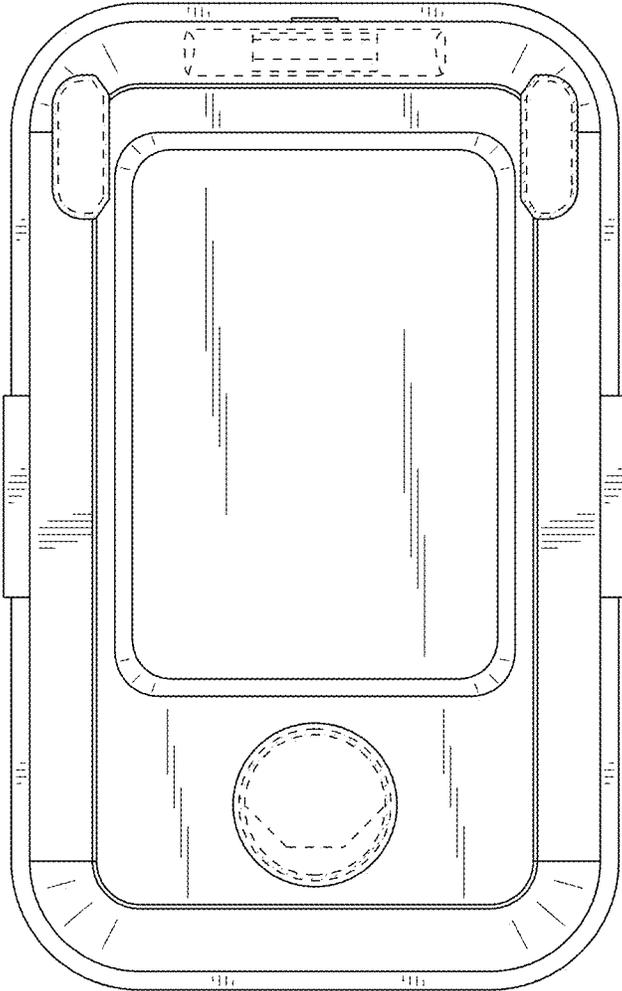


FIG. 10

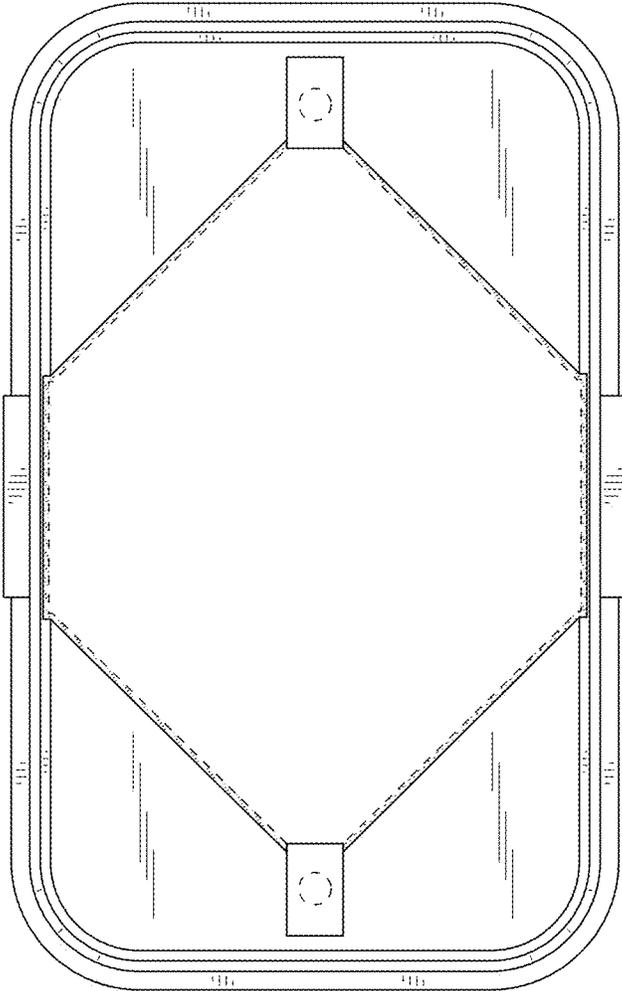


FIG. 11

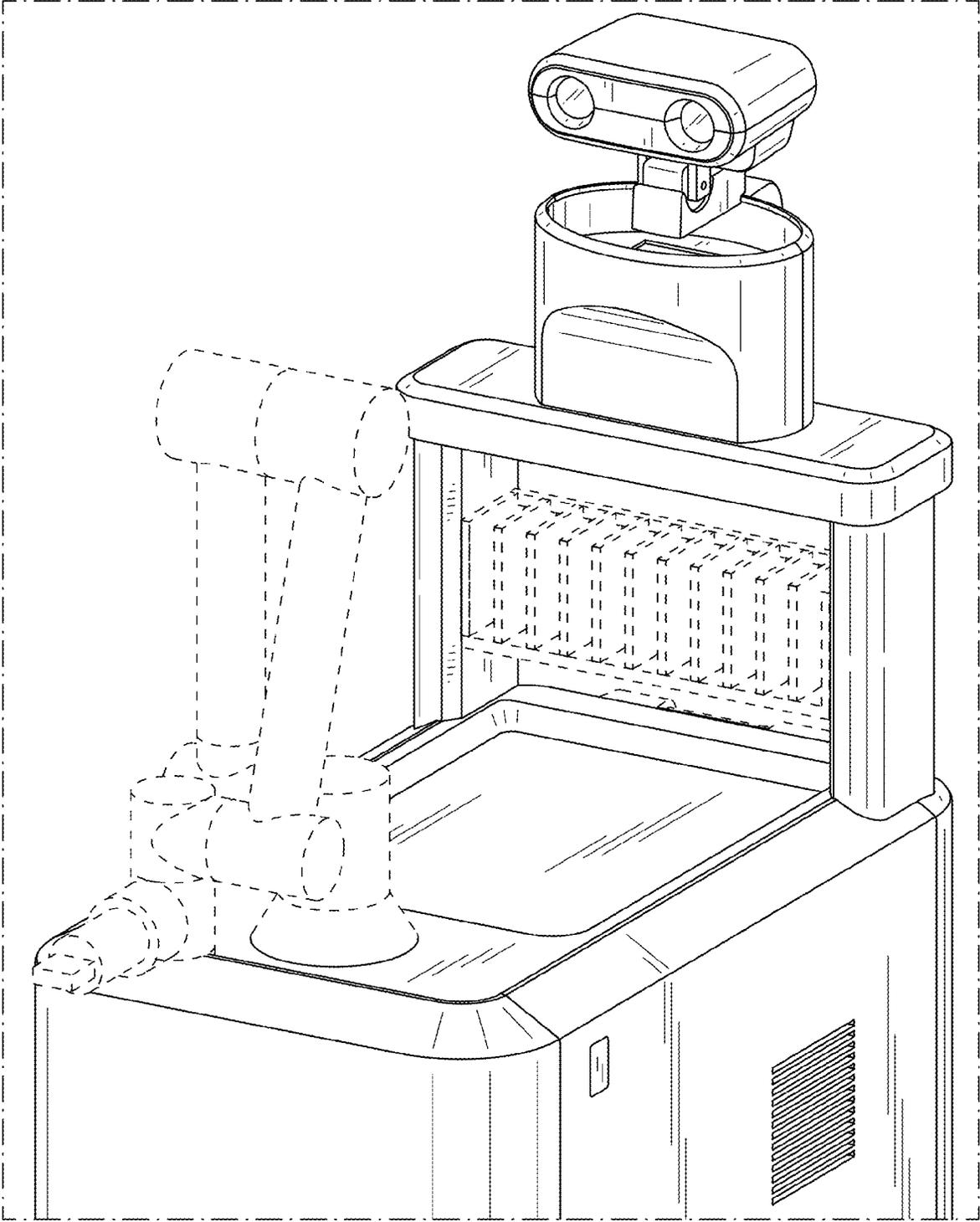


FIG. 12

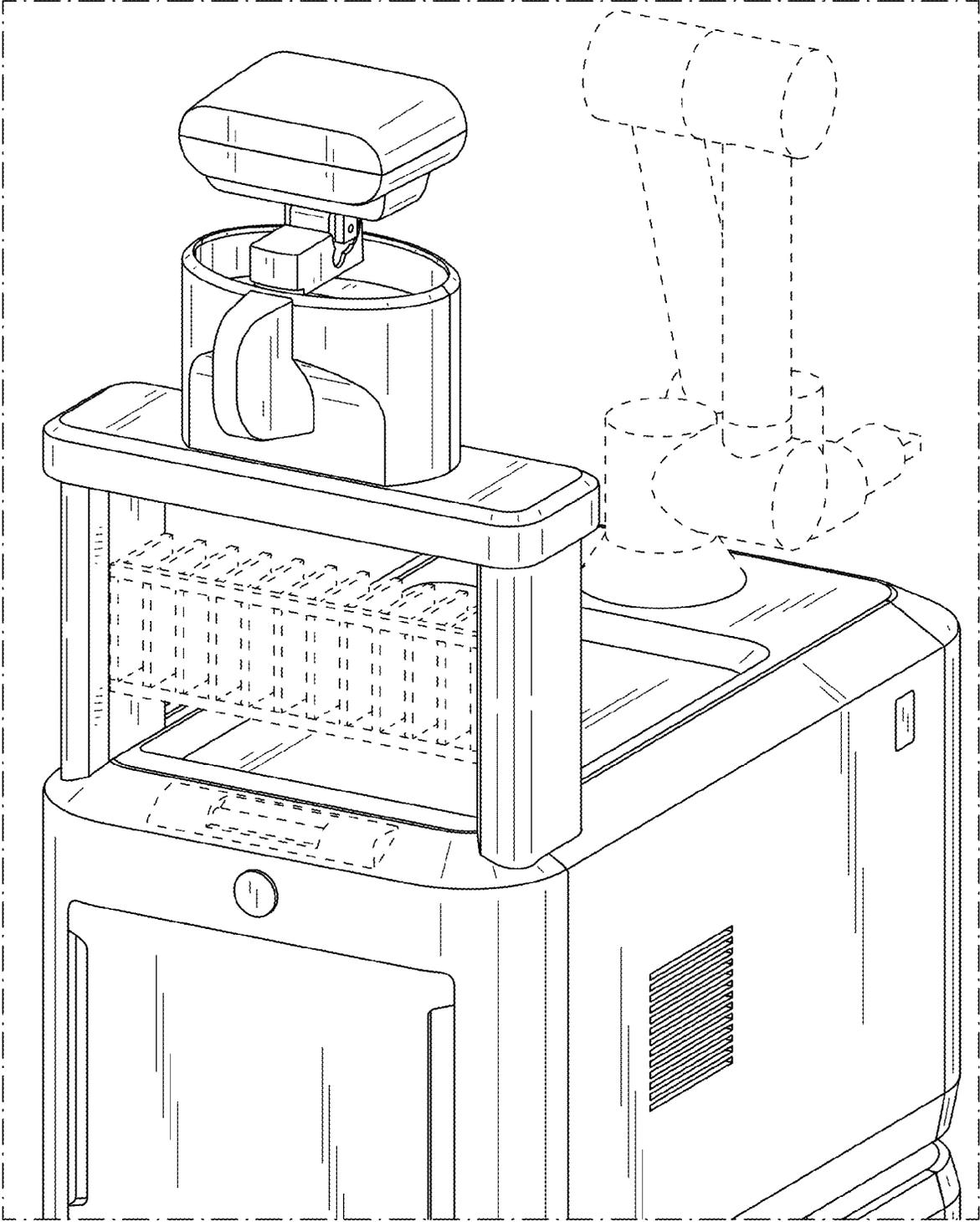


FIG. 13