



US00D877222S

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

(10) **Patent No.:** **US D877,222 S**  
(45) **Date of Patent:** **\*\* Mar. 3, 2020**

(54) **INDUSTRIAL ROBOT**  
(71) Applicant: **FANUC CORPORATION**, Yamanashi (JP)  
(72) Inventors: **Kenichiro Abe**, Yamanashi (JP);  
**Masahiro Morioka**, Yamanashi (JP);  
**Toshiro Watanabe**, Yamanashi (JP);  
**Michio Kinoshita**, Tokyo (JP); **Kou Isozaki**, Tokyo (JP)  
(73) Assignee: **FANUC CORPORATION**, Yamanashi (JP)

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

(21) Appl. No.: **29/664,467**

(22) Filed: **Sep. 25, 2018**

(30) **Foreign Application Priority Data**

Mar. 26, 2018 (JP) ..... 2018-006396

(51) **LOC (12) Cl.** ..... **15-99**

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

(58) **Field of Classification Search**  
USPC ..... D15/199; D21/578-583, 621, 622;  
D32/21  
CPC ..... B23K 9/133; B23K 9/287; B25J 9/0018;  
B25J 19/0025; Y10T 74/20; Y10T  
74/20207; Y10T 74/20311; Y10T  
74/20305; Y10S 901/01  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D201,303 S \* 6/1965 Kaye ..... D15/199  
D213,642 S \* 3/1969 Fegan ..... D32/21  
D247,039 S \* 1/1978 Lawson ..... D32/21

D279,226 S \* 6/1985 Salmon ..... D32/1  
D297,060 S \* 8/1988 Kent ..... D32/21  
D341,009 S \* 11/1993 Berfield ..... D32/1  
D368,728 S \* 4/1996 Billman ..... D15/199  
D615,574 S \* 5/2010 Liu ..... D15/199  
D700,923 S \* 3/2014 Lin ..... D15/143  
D712,447 S \* 9/2014 He ..... D15/199  
D749,223 S \* 2/2016 Vargas ..... D24/185  
D776,735 S \* 1/2017 Zhu ..... D15/199  
D778,218 S \* 2/2017 Okazaki ..... D12/174  
9,940,604 B2 \* 4/2018 Galluzzo ..... B25J 5/007  
D843,427 S \* 3/2019 Medal ..... D15/199  
D855,095 S \* 7/2019 Wang ..... D15/199  
D860,283 S \* 9/2019 Wang ..... D15/199  
D864,271 S \* 10/2019 Lai ..... D15/199  
D868,129 S \* 11/2019 Bogart ..... D15/199  
2015/0032252 A1 \* 1/2015 Galluzzo ..... B25J 5/007  
700/218  
2015/0114162 A1 \* 4/2015 Kirihara ..... B25J 19/0029  
74/490.02

(Continued)

*Primary Examiner* — Patricia A Palasik

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

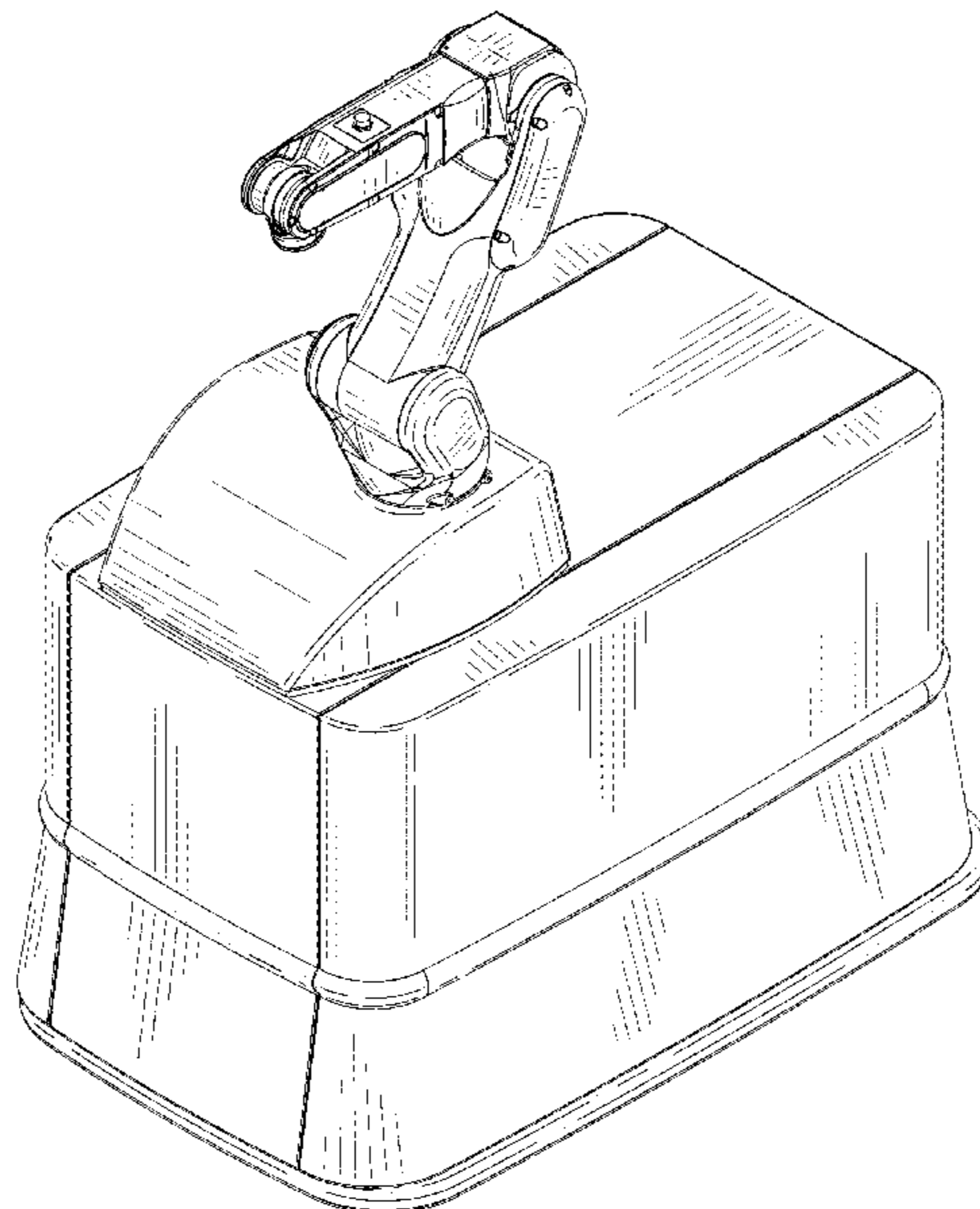
(57) **CLAIM**

The ornamental design for an industrial robot, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an industrial robot showing our new design;  
FIG. 2 is a rear perspective view thereof,  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a left side view thereof;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom view thereof.  
The broken line showing of the remainder of the industrial robot forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2015/0246449 A1\* 9/2015 Sakai ..... B25J 19/0025  
74/490.02  
2016/0107317 A1\* 4/2016 Hashimoto ..... B25J 9/042  
414/744.2  
2016/0327383 A1\* 11/2016 Becker ..... G01B 11/005  
2016/0332303 A1\* 11/2016 Kirihara ..... B25J 9/1653  
2018/0104829 A1\* 4/2018 Altman ..... B25J 19/005

\* cited by examiner

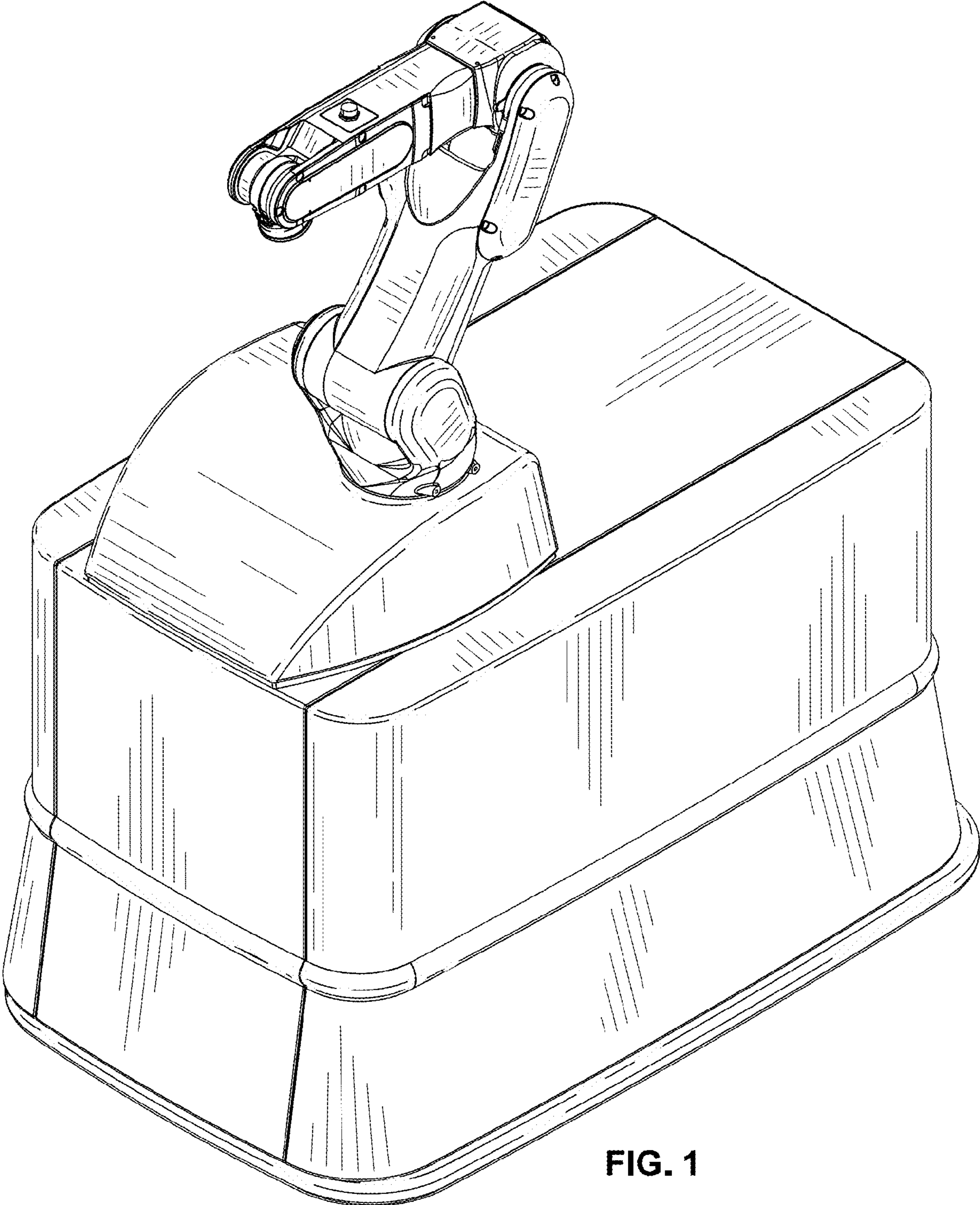


FIG. 1



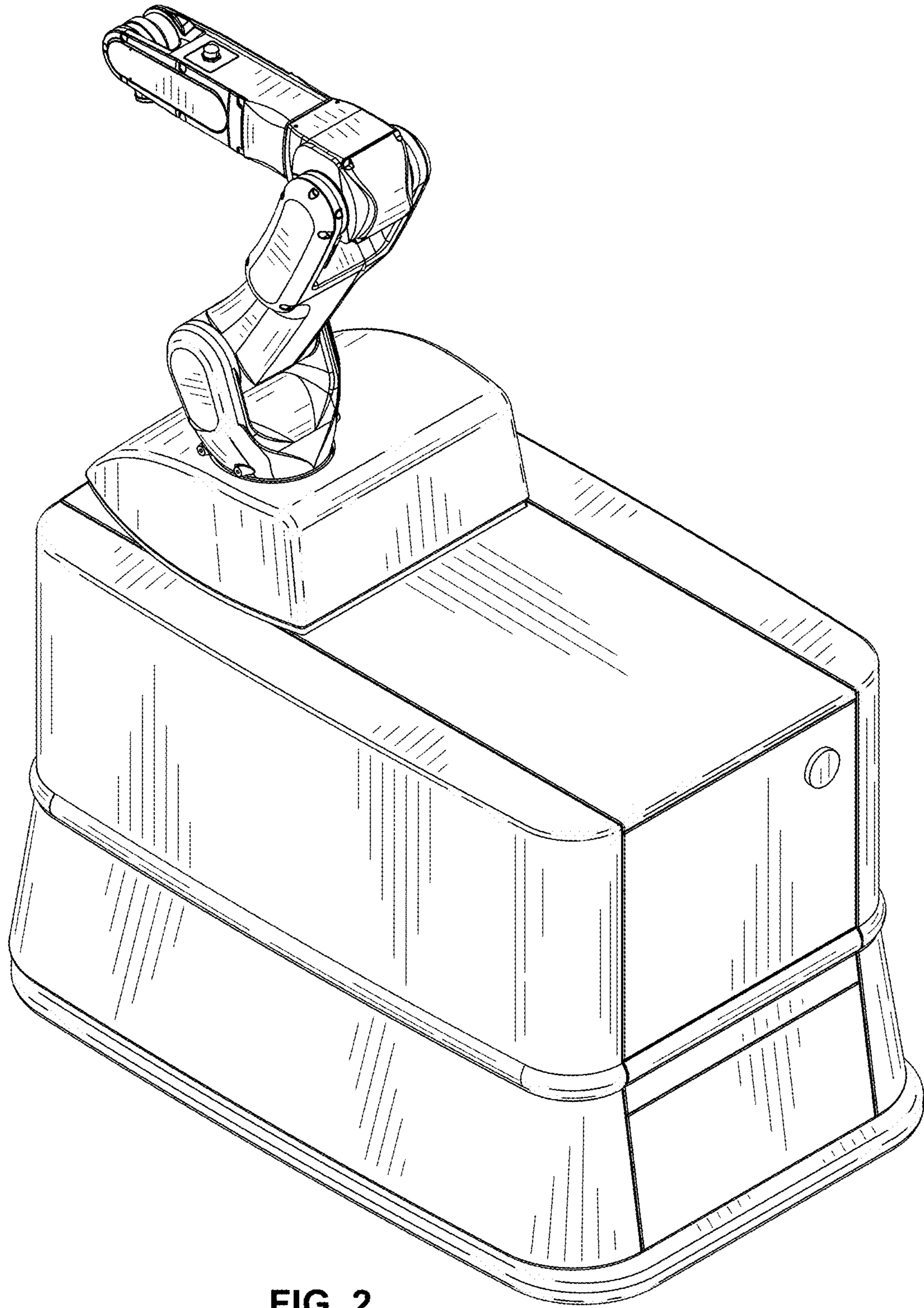


FIG. 2

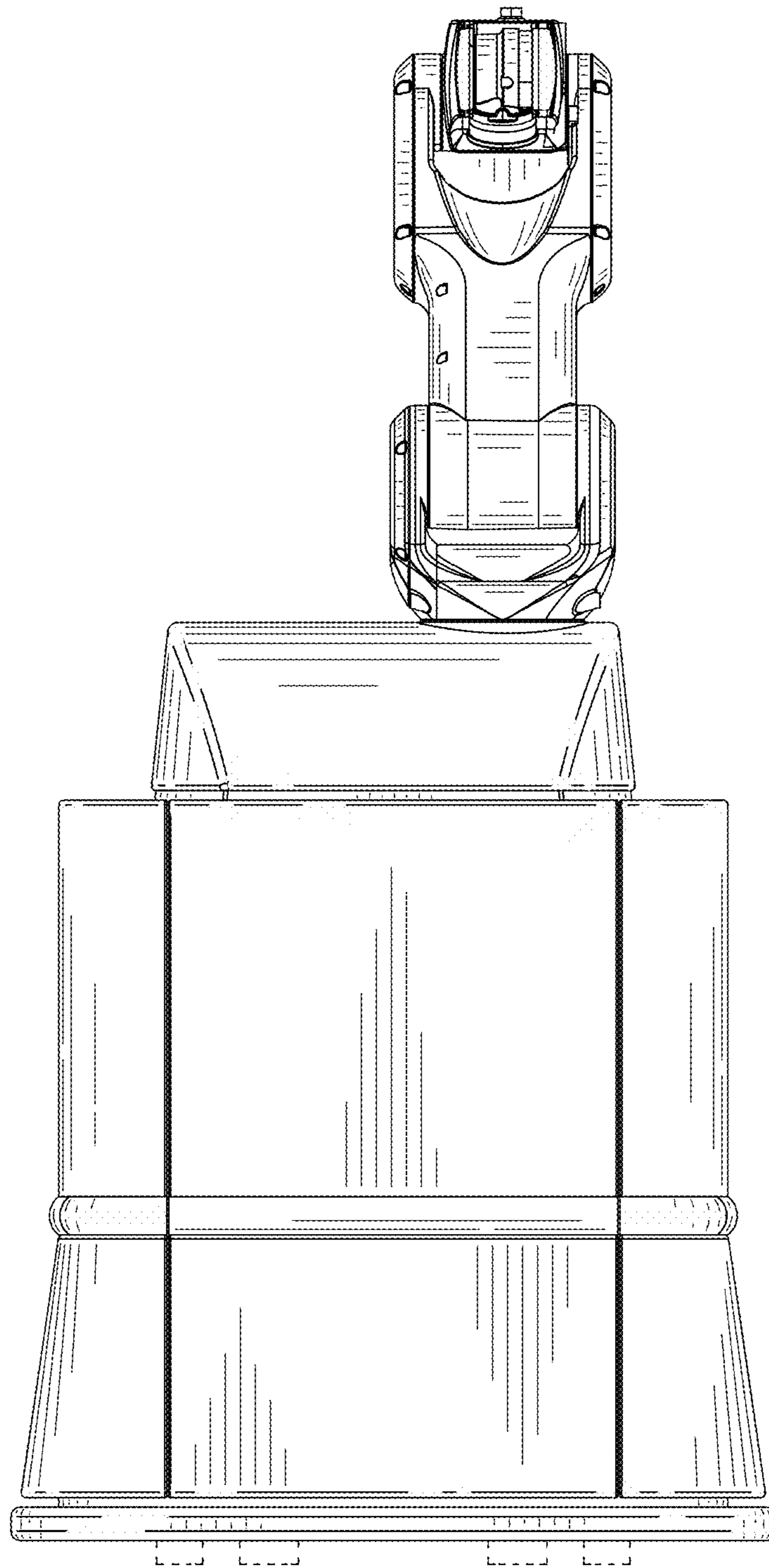


FIG. 3

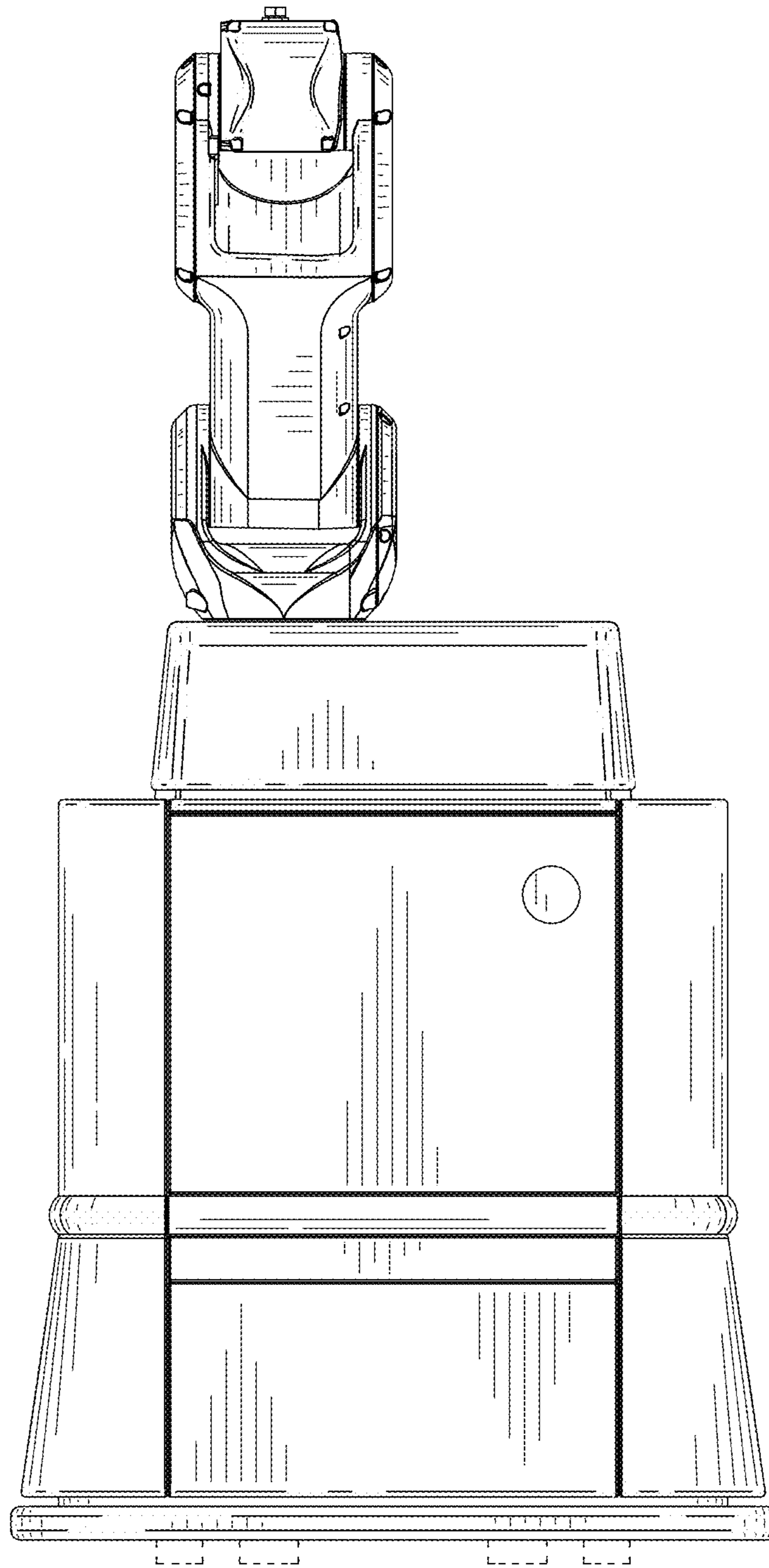


FIG. 4

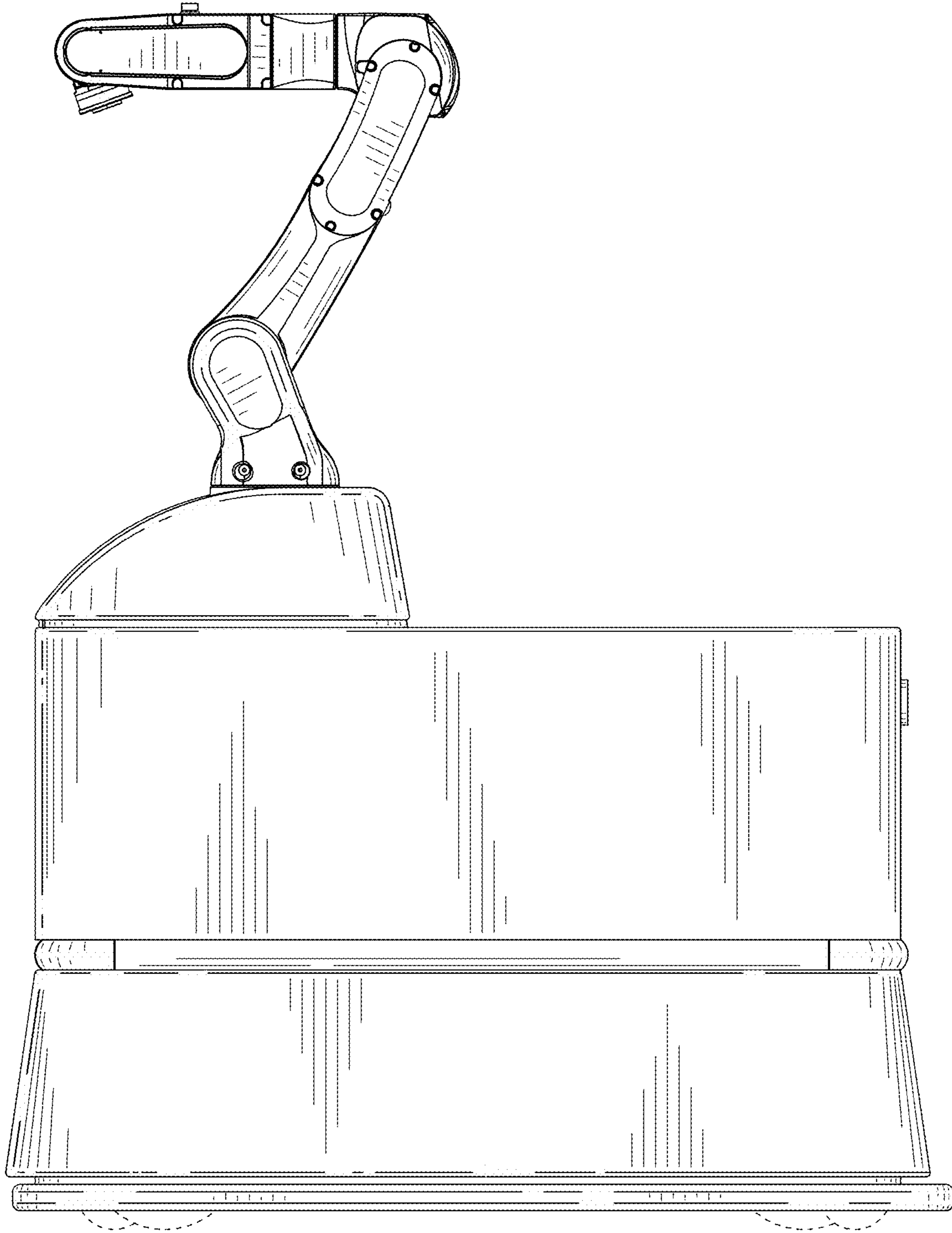


FIG. 5

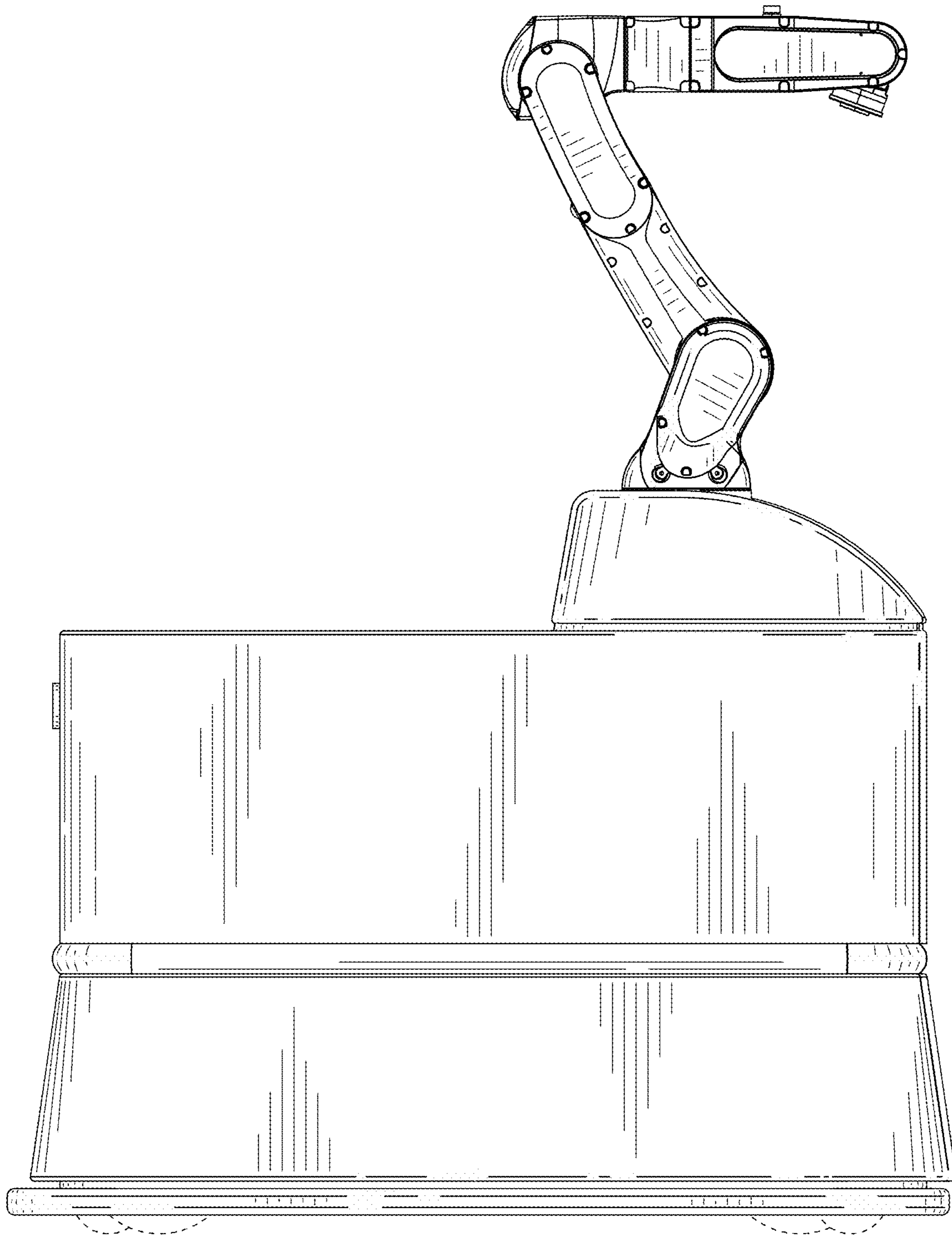


FIG. 6



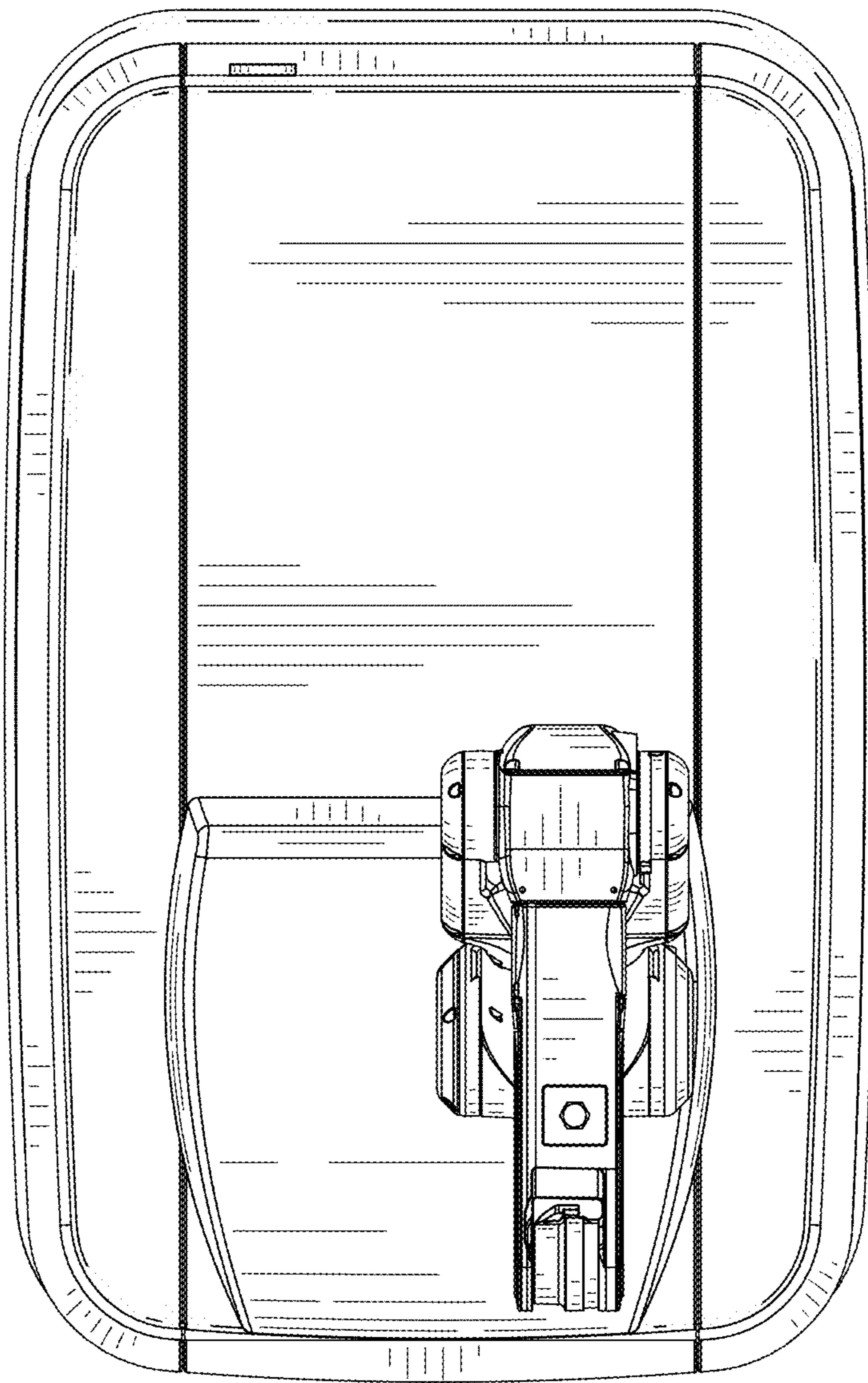


FIG. 7

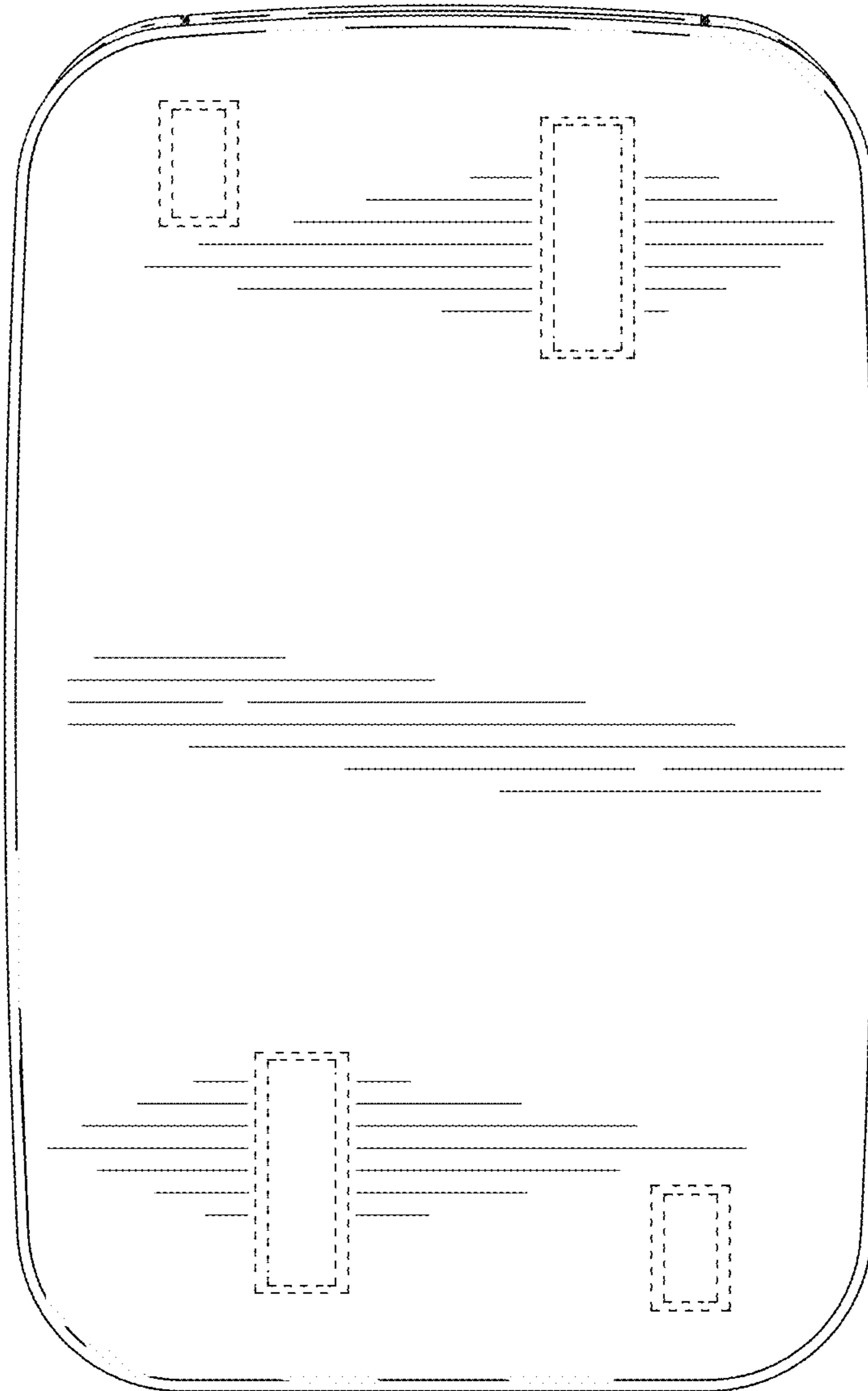


FIG. 8