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(12) **United States Design Patent** (10) **Patent No.:** **US D932,527 S**
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(54) **LASER PROCESSING MACHINE**
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(**) Term: **15 Years**
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(30) **Foreign Application Priority Data**

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Oct. 26, 2018 (JP) 2018-023550

(51) **LOC (13) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/122**

(58) **Field of Classification Search**

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D18/53, 51, 59, 35.1, 99; D20/1, 4, 5, 8;
D23/315; D24/159, 231, 234; D25/16,
D25/23, 36
CPC B23K 23/00; B23K 23/02; B23K 23/706;
B29C 67/0085; B23Q 3/10; B23Q 1/03;
B23Q 17/00; B23Q 17/007; B23Q 17/24;
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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D163,351 S 5/1951 Bartholomew
D175,225 S 7/1955 Lane
D197,330 S 1/1964 Sundberg
D301,890 S 6/1989 Silbersky
D334,985 S 4/1993 D'Agostino et al.
D336,479 S 6/1993 Shuji Shinagawa et al.
D357,484 S 4/1995 Montague et al.
D381,682 S 7/1997 Bornhorst, Jr. et al.
D544,534 S 6/2007 Reece
D548,754 S 8/2007 Itabashi et al.
D548,755 S 8/2007 Takeshima et al.
D549,837 S 8/2007 Travis
D614,233 S 4/2010 Kemmochi et al.
D619,166 S 7/2010 Ishizawa et al.

(Continued)

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PC

(57) **CLAIM**

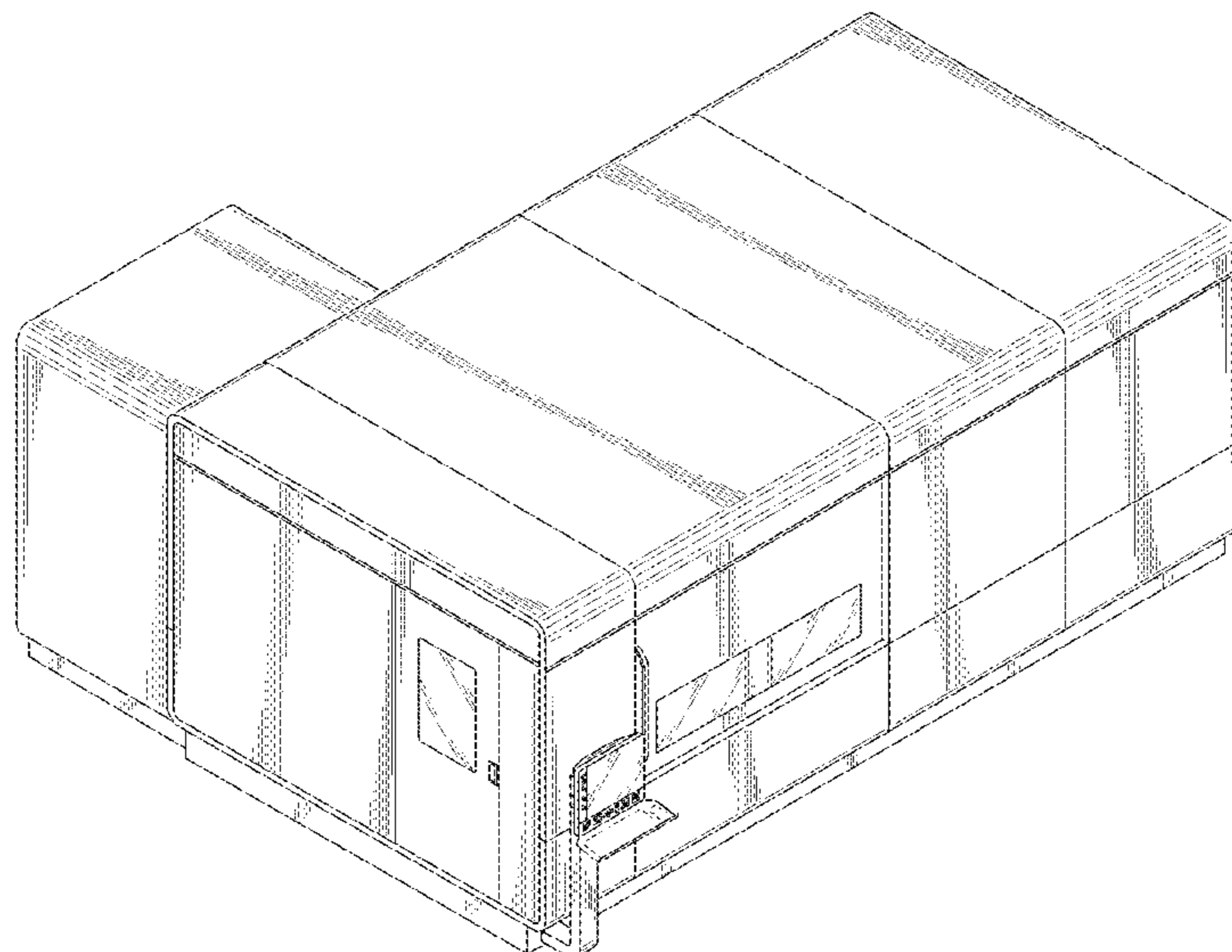
The ornamental design for a laser processing machine, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of a laser processing machine, showing our new design;
FIG. 2 is a rear, top and right side perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a top view thereof;
FIG. 6 is a right side view thereof; and,
FIG. 7 is a left side view thereof.

The broken lines depict environmental subject matter only and form no part of the claim.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|------------|---------|------------------|-----------------|---------|-------------------|
| D635,596 S | 4/2011 | Hiroshima et al. | D736,840 S | 8/2015 | Kirkland et al. |
| D637,631 S | 5/2011 | Hiroshima et al. | D753,734 S | 4/2016 | Hanschen |
| D650,417 S | 12/2011 | Brown et al. | D757,170 S | 5/2016 | Rafa et al. |
| D651,620 S | 1/2012 | Schindler et al. | D759,133 S | 6/2016 | Kitamura |
| D654,518 S | 2/2012 | Miyake et al. | D759,738 S | 6/2016 | Schonherr et al. |
| D659,174 S | 5/2012 | Mueller | D762,748 S | 8/2016 | Schonherr et al. |
| D659,728 S | 5/2012 | Mueller | D763,191 S | 8/2016 | Shatek |
| D664,570 S | 7/2012 | Mueller | 9,415,474 B2 | 8/2016 | Lee et al. |
| D666,666 S | 9/2012 | Brown et al. | D778,329 S | 2/2017 | Grobe |
| D667,031 S | 9/2012 | Mueller | D780,256 S | 2/2017 | Clark, III et al. |
| D673,212 S | 12/2012 | Okamoto | D791,204 S | 7/2017 | Hynek et al. |
| D676,881 S | 2/2013 | Mueller | D797,822 S | 9/2017 | Grobe |
| D683,771 S | 6/2013 | Shimano et al. | D811,450 S | 2/2018 | Hynek et al. |
| D690,331 S | 9/2013 | Kitamura | D816,129 S | 4/2018 | Albrecht |
| D690,745 S | 10/2013 | Koide et al. | D816,741 S | 5/2018 | Nicaise |
| D691,903 S | 10/2013 | Tong et al. | D829,925 S | 10/2018 | Labesque et al. |
| D693,859 S | 11/2013 | Kitamura | D861,745 S | 10/2019 | Schmid |
| D696,315 S | 12/2013 | Schmid | D866,621 S | 11/2019 | Gallo et al. |
| D700,638 S | 3/2014 | Shou et al. | D868,854 S | 12/2019 | Willey et al. |
| D711,947 S | 8/2014 | Son et al. | D873,873 S | 1/2020 | Sollberger et al. |
| D711,948 S | 8/2014 | Son et al. | D873,876 S | 1/2020 | Bellante |
| D716,351 S | 10/2014 | Kitamura et al. | D875,826 S | 2/2020 | Zanzotti |
| D718,353 S | 11/2014 | Kato et al. | D880,002 S | 3/2020 | Lucas |
| | | | D884,754 S | 5/2020 | Andre |
| | | | 2009/0121113 A1 | 5/2009 | Yasuda et al. |
| | | | 2015/0298272 A1 | 10/2015 | Murata |
| | | | 2015/0336229 A1 | 11/2015 | Nishida et al. |
| | | | 2018/0361522 A1 | 12/2018 | Fornasero et al. |

FIG. 1

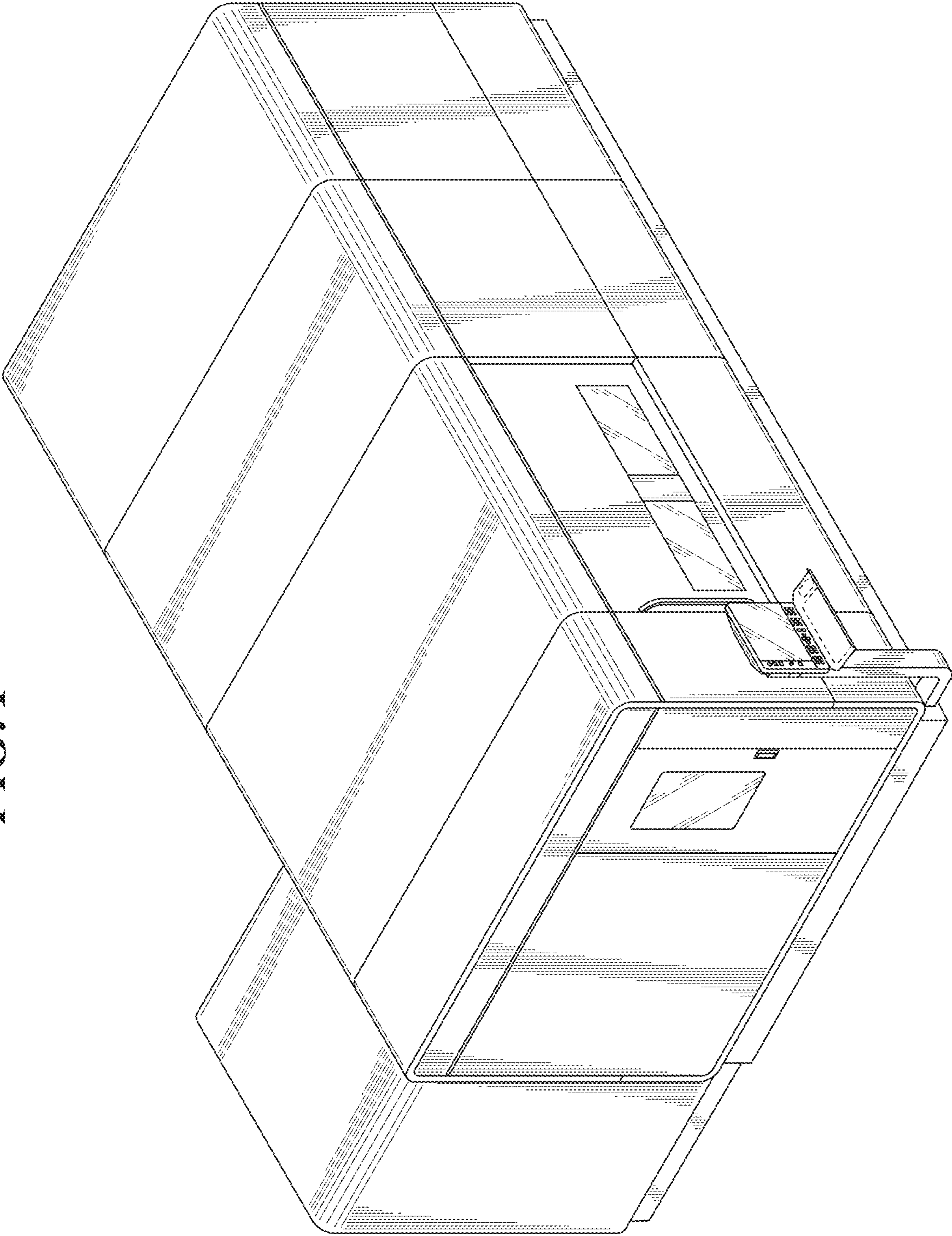


FIG. 2

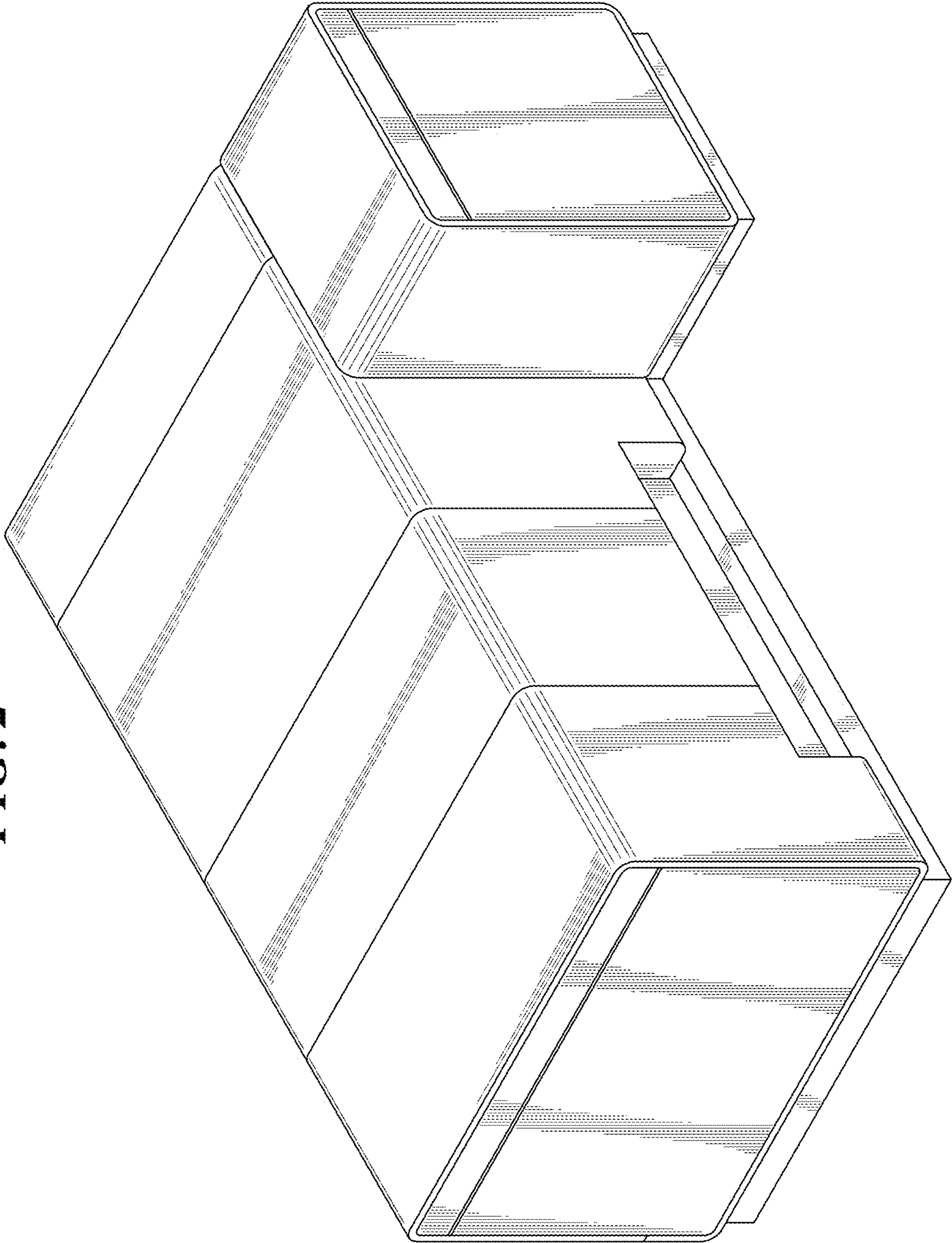


FIG. 3

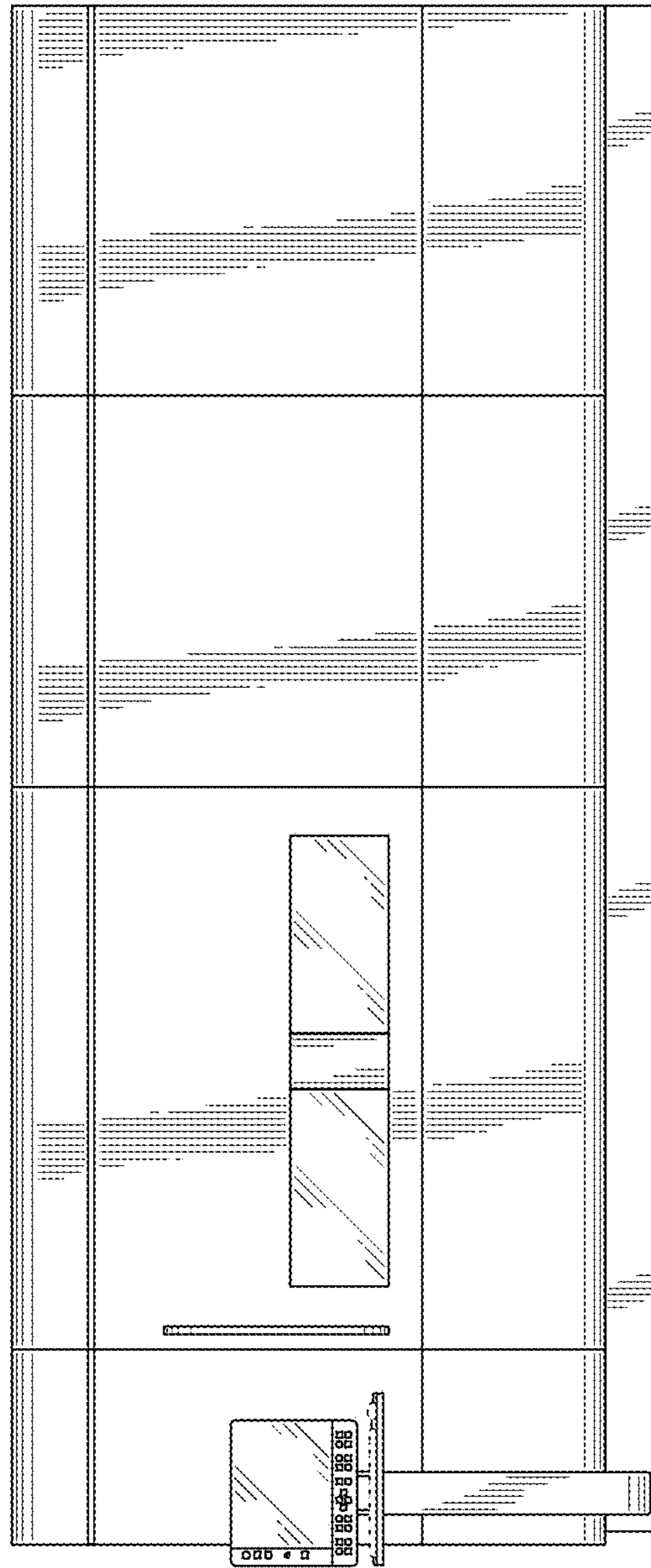


FIG. 4

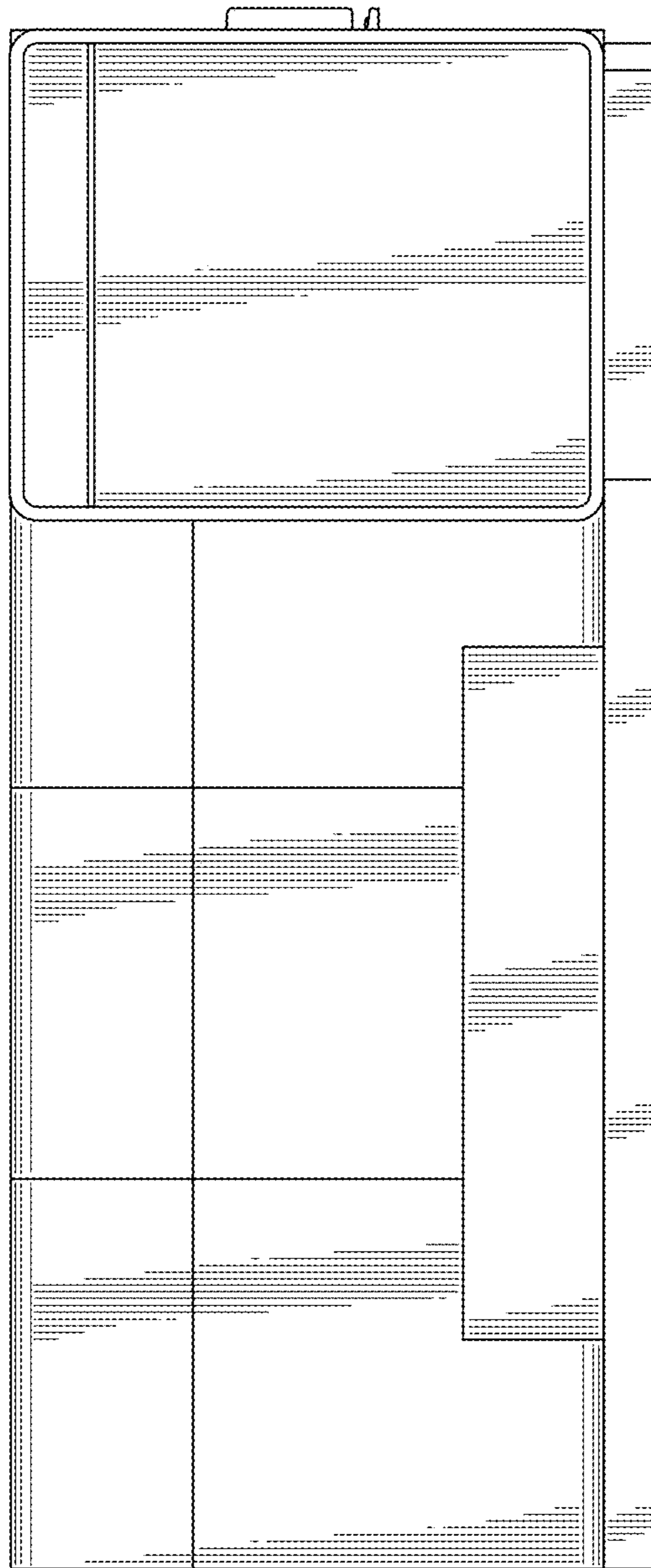


FIG. 5

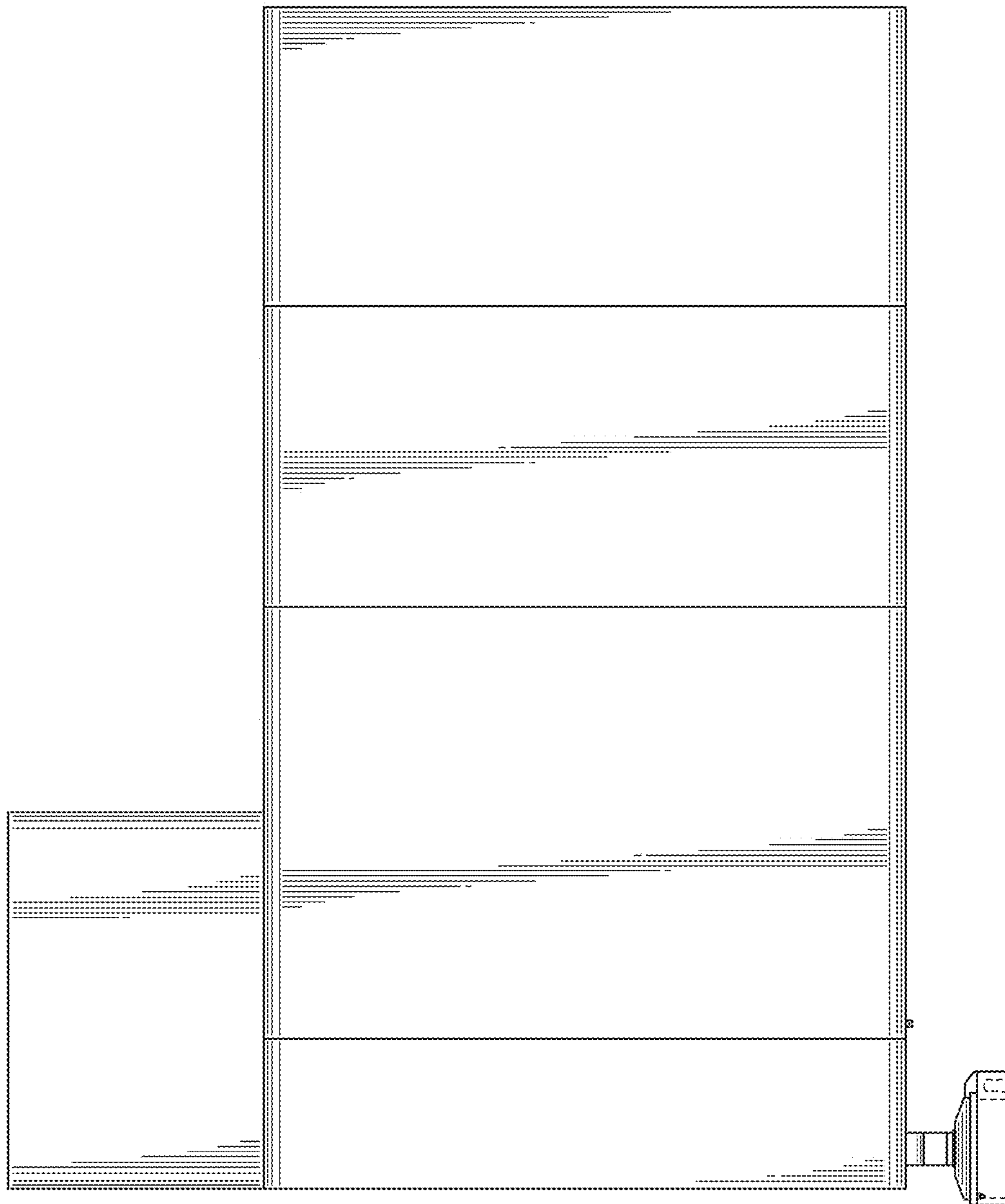


FIG. 6

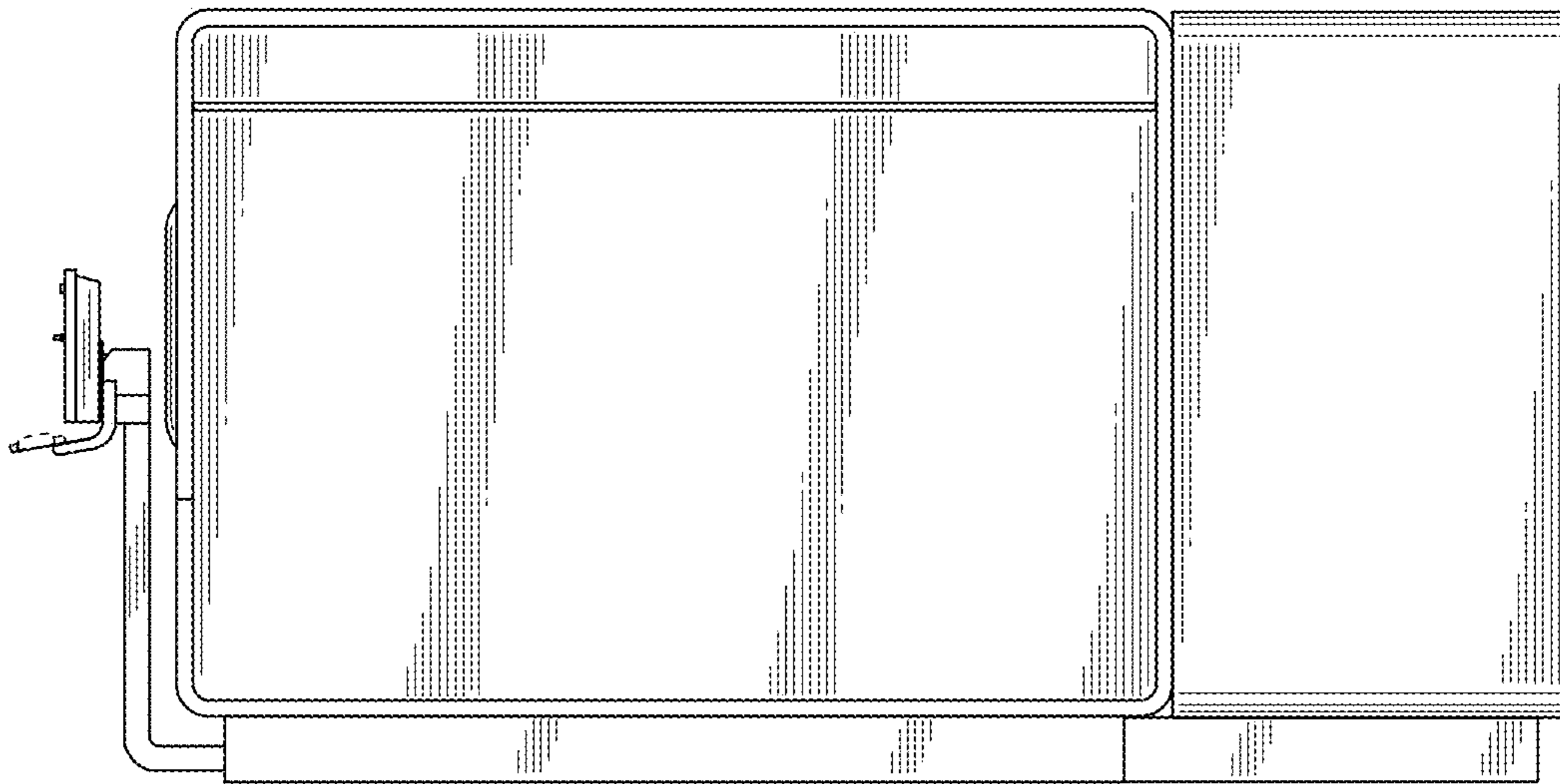


FIG. 7

