



US00D815754S

(12) **United States Design Patent** (10) **Patent No.:** **US D815,754 S**
Morkos et al. (45) **Date of Patent:** **** *Apr. 17, 2018**

(54) **DROPLET SORTER**

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(*) Notice: This patent is subject to a terminal dis-
claimer.

(**) Term: **14 Years**

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(51) **LOC (11) Cl.** **24-99**

(52) **U.S. Cl.**
USPC **D24/232**

(58) **Field of Classification Search**
USPC D24/231-233, 216-217, 169, 185-186,
D24/107; D10/81, 97; 422/500, 62-63,
422/67; 435/4; 436/43

(Continued)

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(Continued)

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — McCarter & English,
LLP; David R. Burns

(57) **CLAIM**

The ornamental design for a droplet sorter, as shown and
described.

DESCRIPTION

FIG. 1 is a front perspective view illustrating a first exem-
plary embodiment of our ornamental design for a droplet
sorter, the design including a housing having three front
panels, including, from the perspective of looking at the
front of the droplet sorter, a left front panel, a center front
panel and a right front panel.

FIG. 2 is a front elevational view of the first exemplary
embodiment of our ornamental design for a droplet sorter of
FIG. 1.

FIG. 3 is a rear elevational view of the first exemplary
embodiment of our ornamental design for a droplet sorter of
FIG. 1.

FIG. 4 is a left side elevational view of the first exemplary
embodiment of our ornamental design for a droplet sorter of
FIG. 1.

FIG. 5 is a right side elevational view of the first exemplary
embodiment of our ornamental design for a droplet sorter of
FIG. 1.

FIG. 6 is a top plan view of the first exemplary embodiment
of our ornamental design for a droplet sorter of FIG. 1.

FIG. 7 is a bottom plan view of the first exemplary embodi-
ment of our ornamental design for a droplet sorter of FIG.
1.

FIG. 8 is a front elevational view of a second exemplary
embodiment of our ornamental design for a droplet sorter
illustrating that, in exemplary embodiments of our ornamen-
tal design for a droplet sorter, a width of a left front panel of
a housing may be varied from the illustrated embodiments of
FIGS. 1-7.

FIG. 9 is a rear elevational view of the second exemplary
embodiment of our ornamental design for a droplet sorter of
FIG. 8.

FIG. 10 is a top plan view of the second exemplary embodi-
ment of our ornamental design for a droplet sorter of FIG.
8.

(Continued)

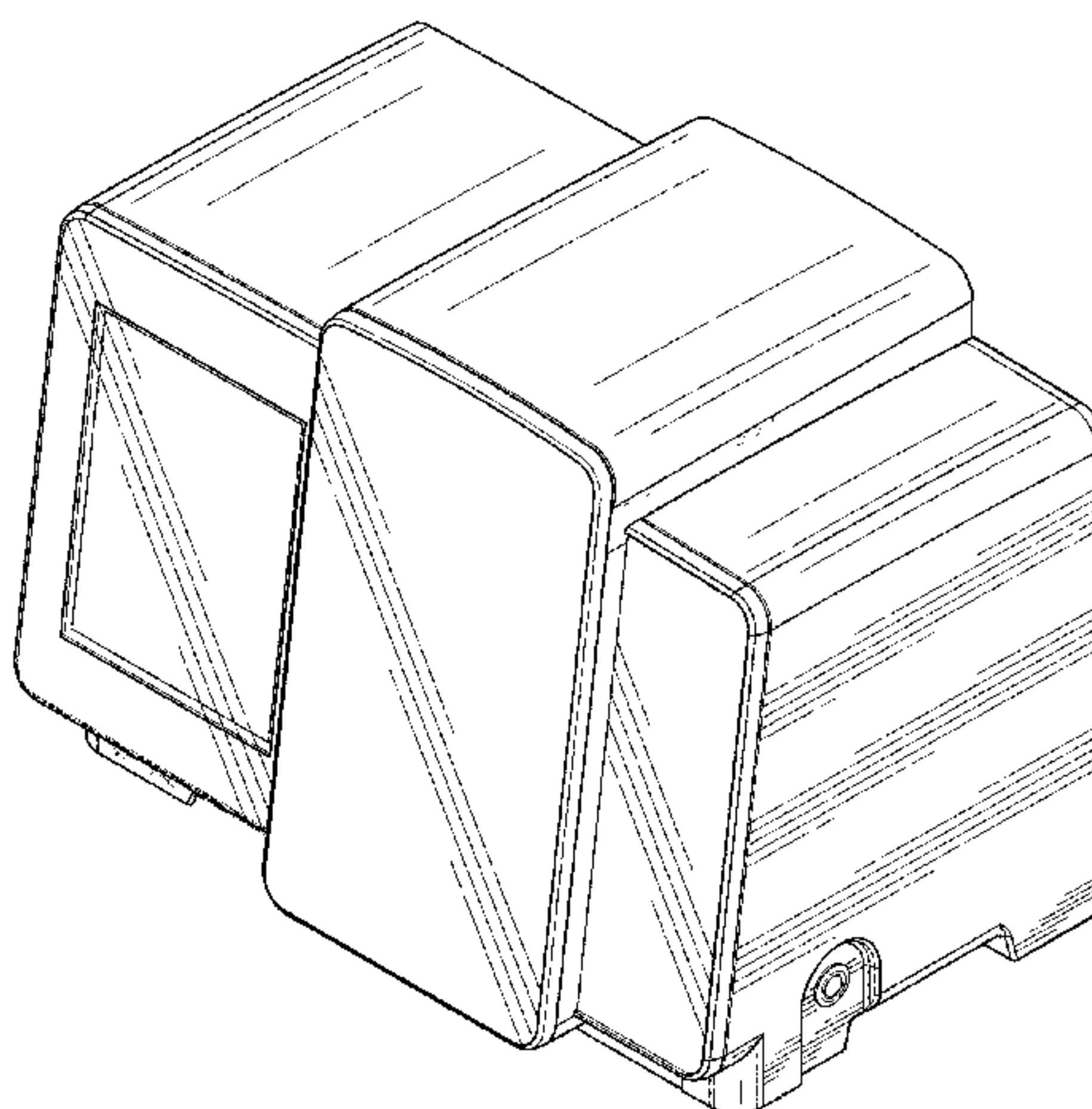


FIG. 11 is a bottom plan view of the second exemplary embodiment of our ornamental design for a droplet sorter of FIG. 8.

Note that left and right side views corresponding to the second exemplary embodiment of our ornamental design for a droplet sorter of FIG. 8 are the same as in FIGS. 4 and 5. FIG. 12 is a front elevational view of a third exemplary embodiment of our ornamental design for a droplet sorter illustrating that, in exemplary embodiments of our ornamental design for a droplet sorter, a width of a center front panel of a housing may be varied from the illustrated embodiments of FIGS. 1-7.

FIG. 13 is a rear elevational view of the third exemplary embodiment of our ornamental design for a droplet sorter of FIG. 12.

FIG. 14 is a top plan view of the third exemplary embodiment of our ornamental design for a droplet sorter of FIG. 12.

FIG. 15 is a bottom plan view of the third exemplary embodiment of our ornamental design for a droplet sorter of FIG. 12.

Note that left and right side views corresponding to the third exemplary embodiment of our ornamental design for a droplet sorter of FIG. 12 are the same as in FIGS. 4 and 5. FIG. 16 is a front elevational view of a fourth exemplary embodiment of our ornamental design for a droplet sorter illustrating that, in exemplary embodiments of our ornamental design for a droplet sorter, a width of a right front panel of a housing may be varied from the illustrated embodiments of FIGS. 1-7.

FIG. 17 is a rear elevational view of the fourth exemplary embodiment of our ornamental design for a droplet sorter of FIG. 16.

FIG. 18 is a top plan view of the fourth exemplary embodiment of our ornamental design for a droplet sorter of FIG. 16; and,

FIG. 19 is a bottom plan view of the fourth exemplary embodiment of our ornamental design for a droplet sorter of FIG. 16.

Note that left and right side views corresponding to the fourth exemplary embodiment of our ornamental design for a droplet sorter of FIG. 16 are the same as in FIGS. 4 and 5.

Any broken line in the drawings is an illustration of environmental structure which is hereby disclaimed, forming no part of our claimed design.

The droplet sorters depicted in FIGS. 8-19 are each shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 19 Drawing Sheets

(58) Field of Classification Search

CPC G01N 1/36; G01N 35/00; G01N 35/02;
G01N 35/04; G01N 35/00732; G01N
2035/0403; G01N 2035/00306; G01N
2035/00326

See application file for complete search history.

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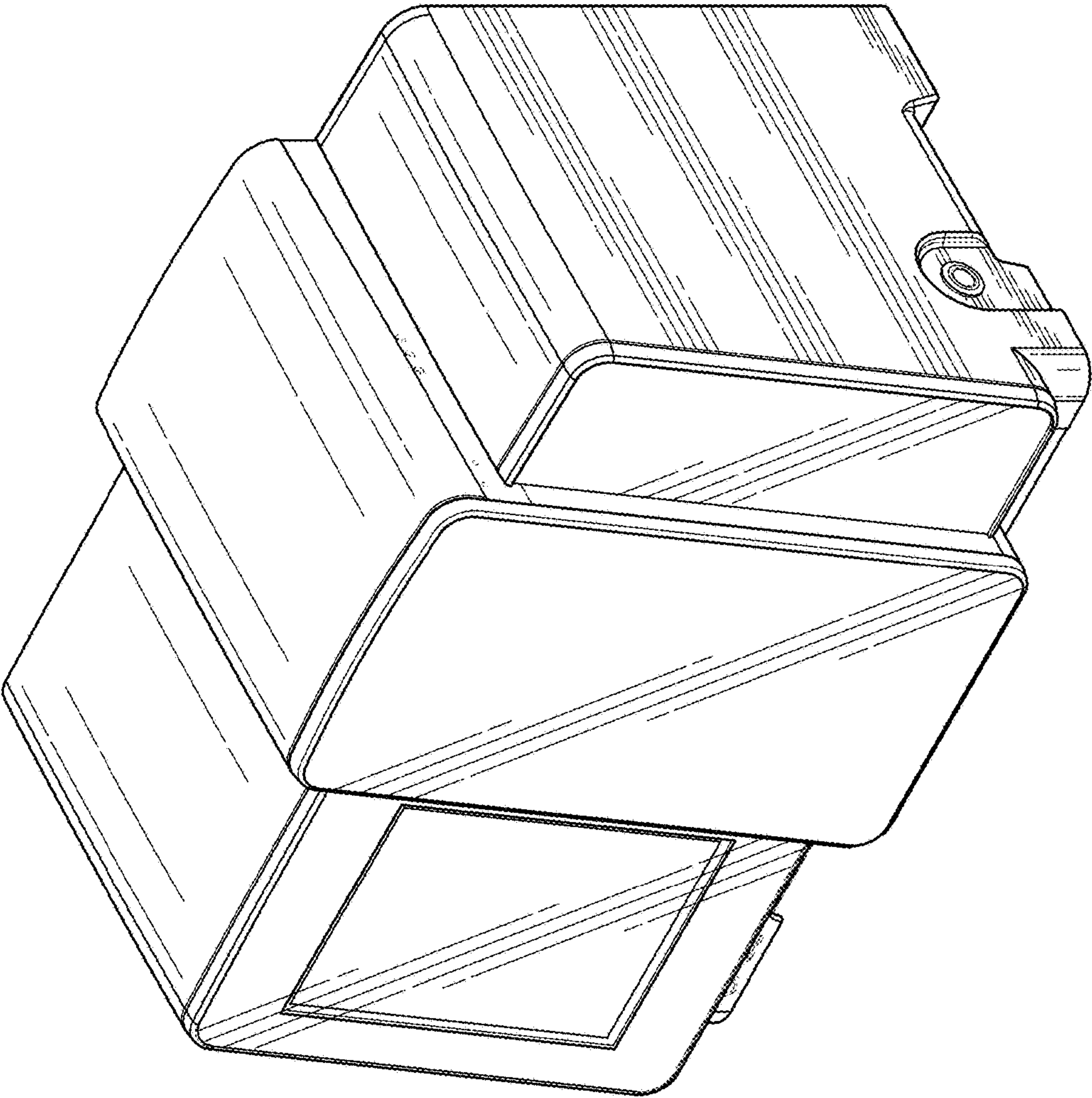


FIG. 1

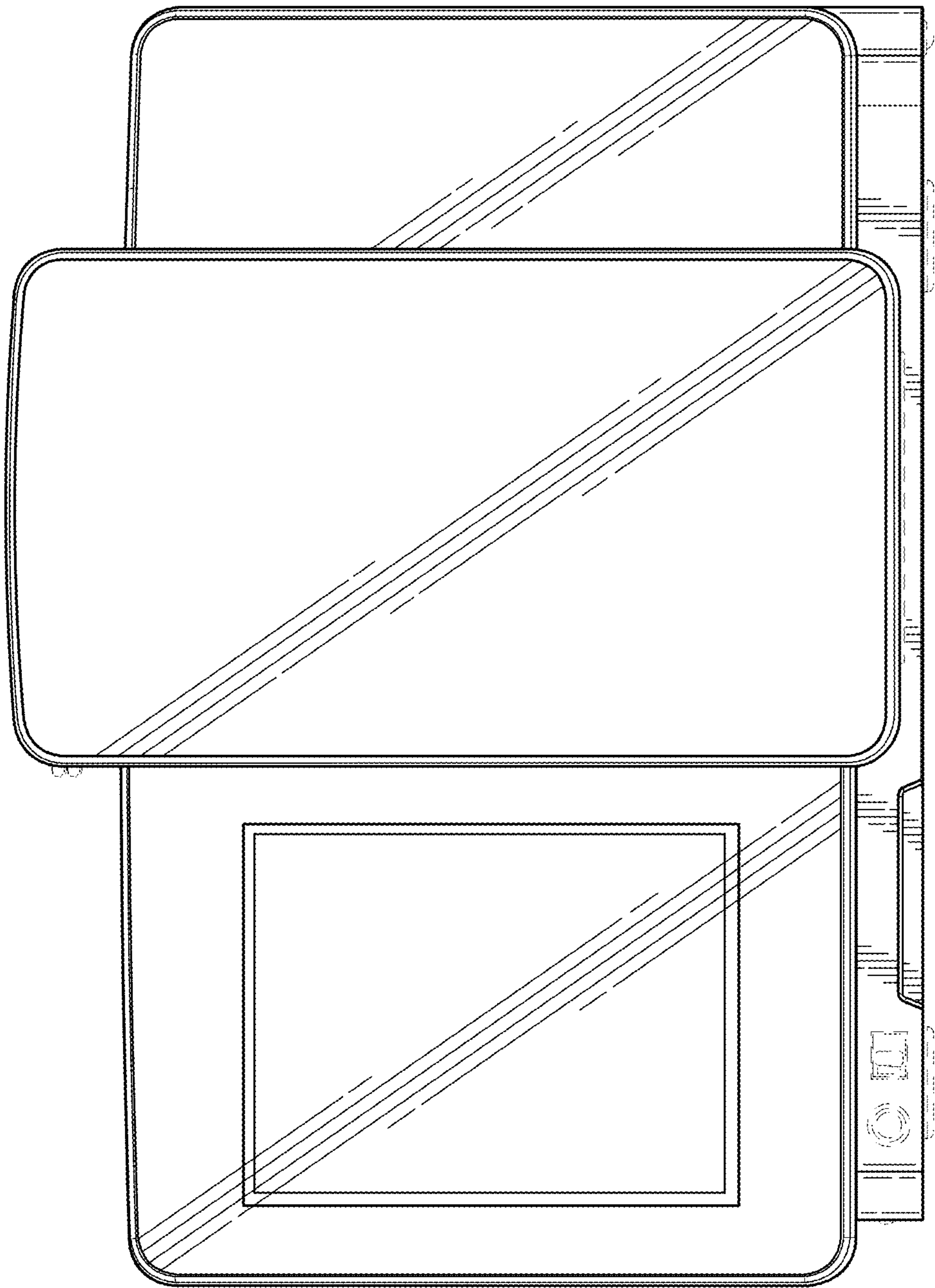


FIG. 2

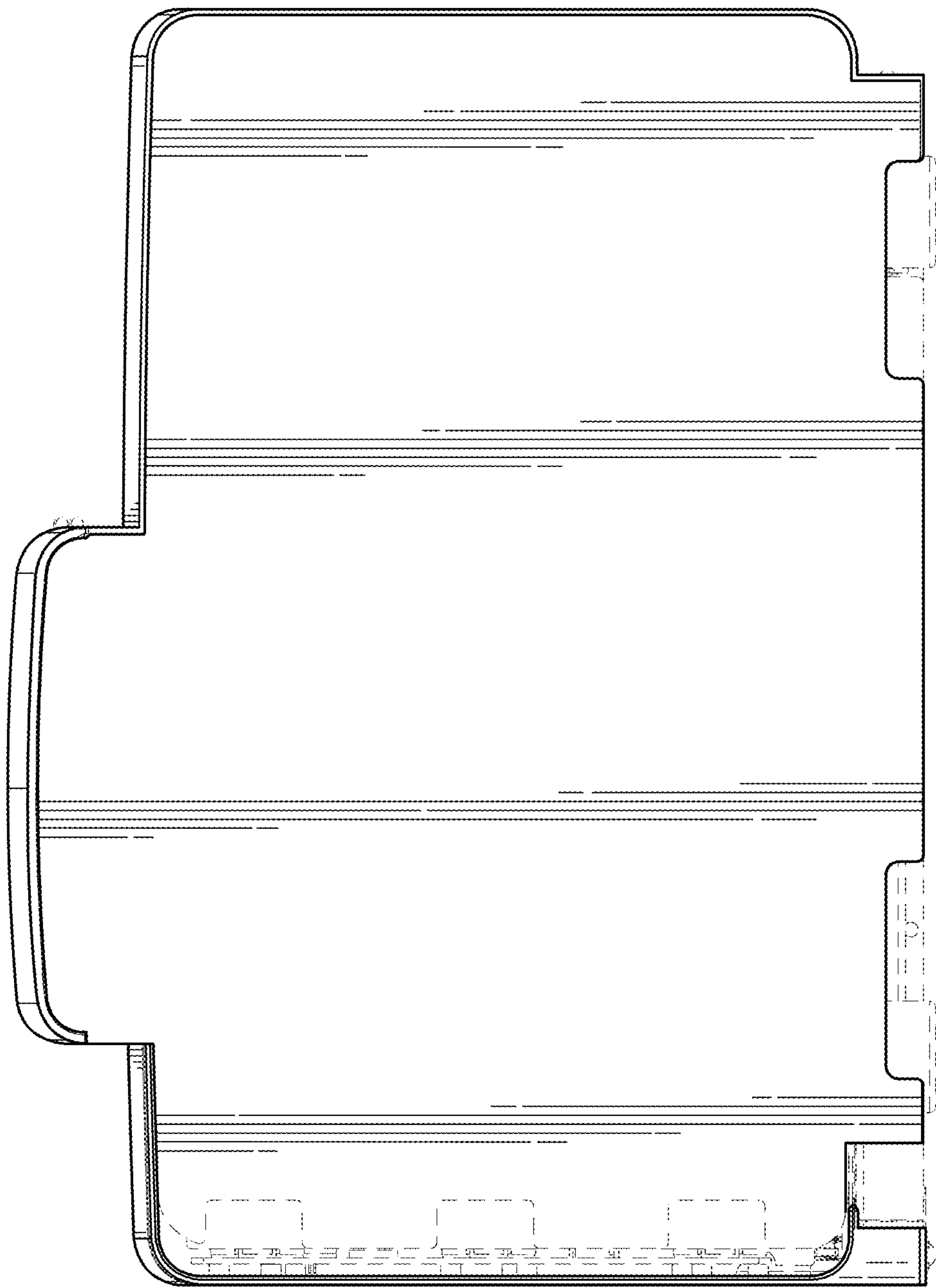


FIG. 3

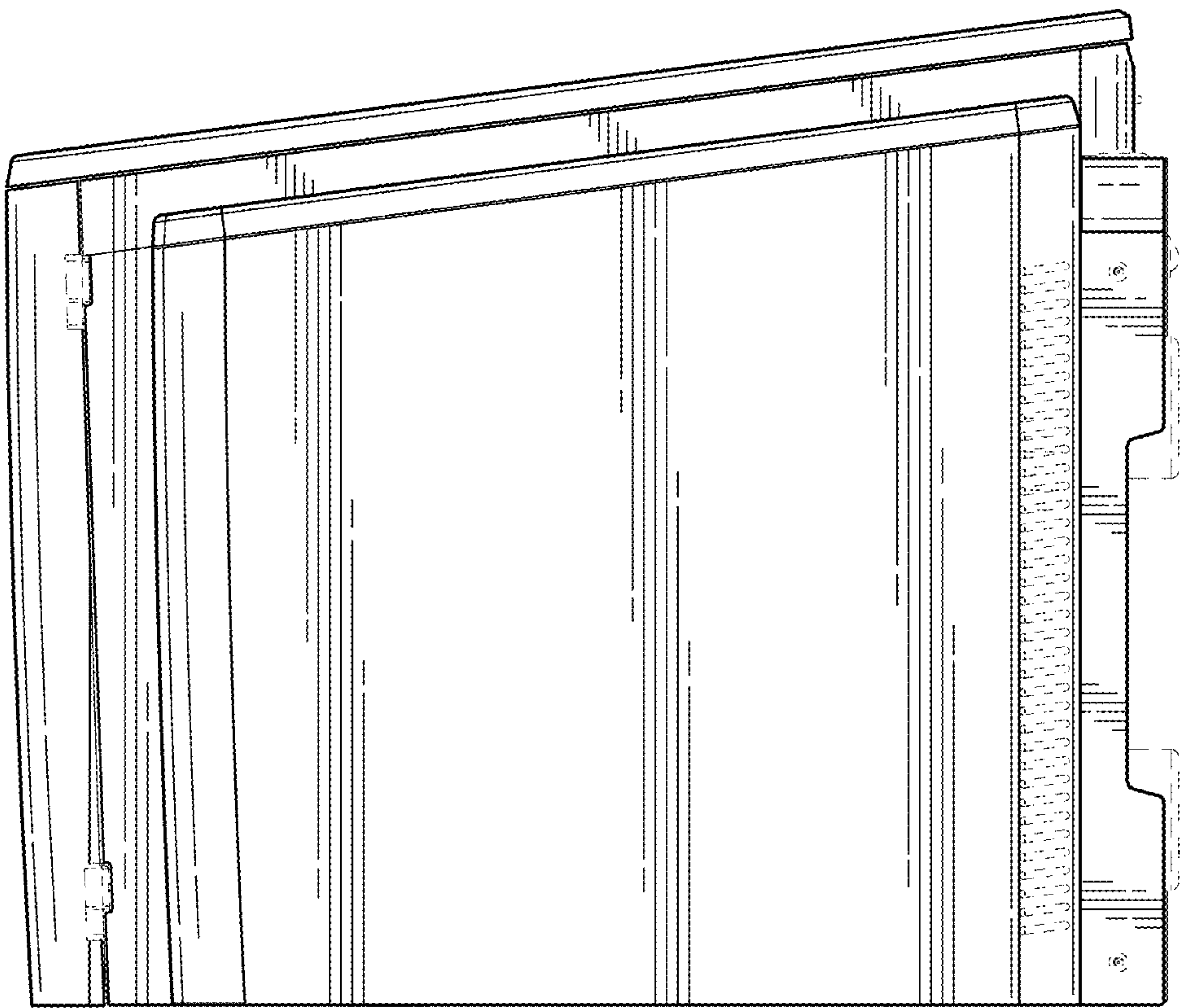


FIG. 4

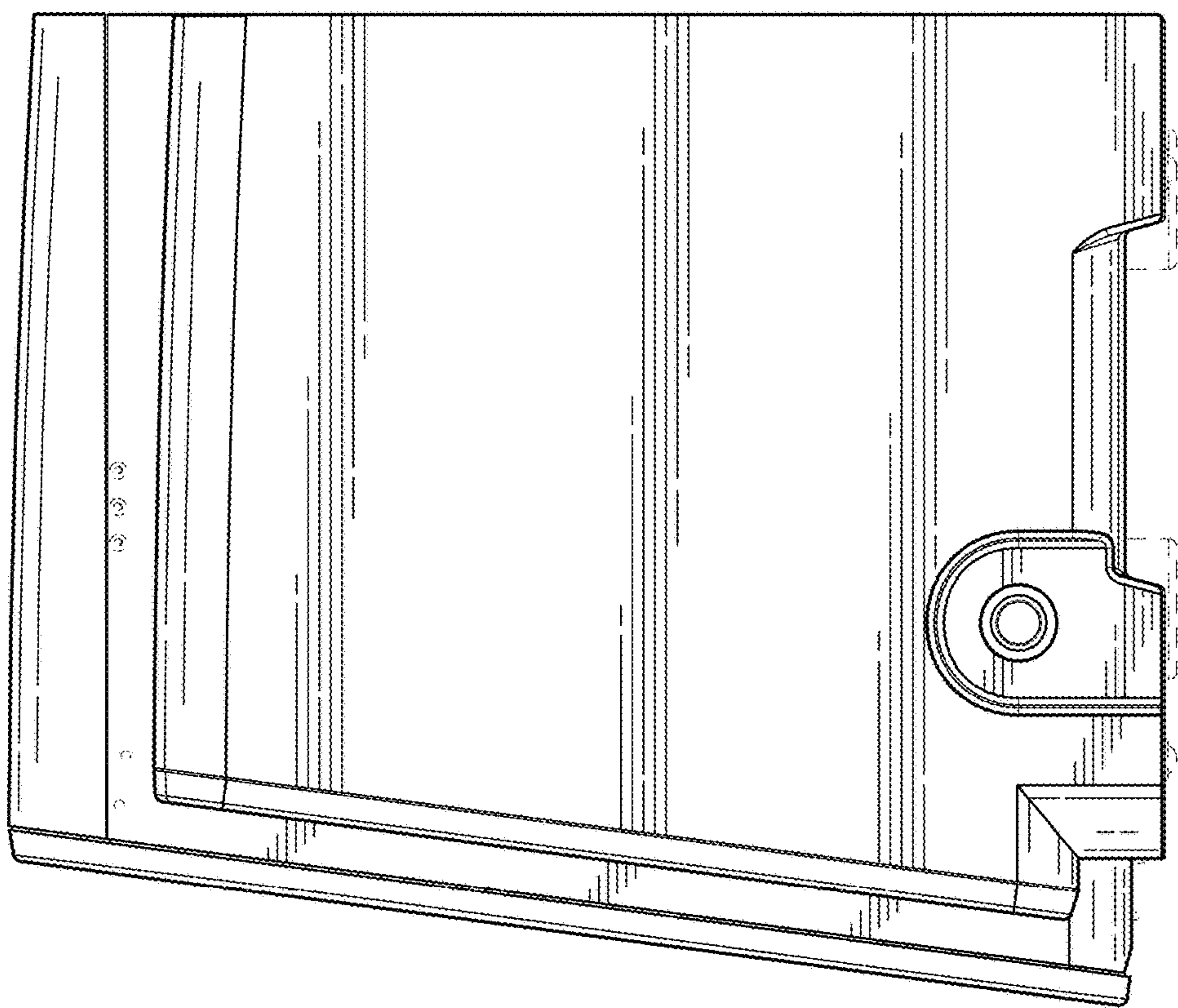


FIG. 5

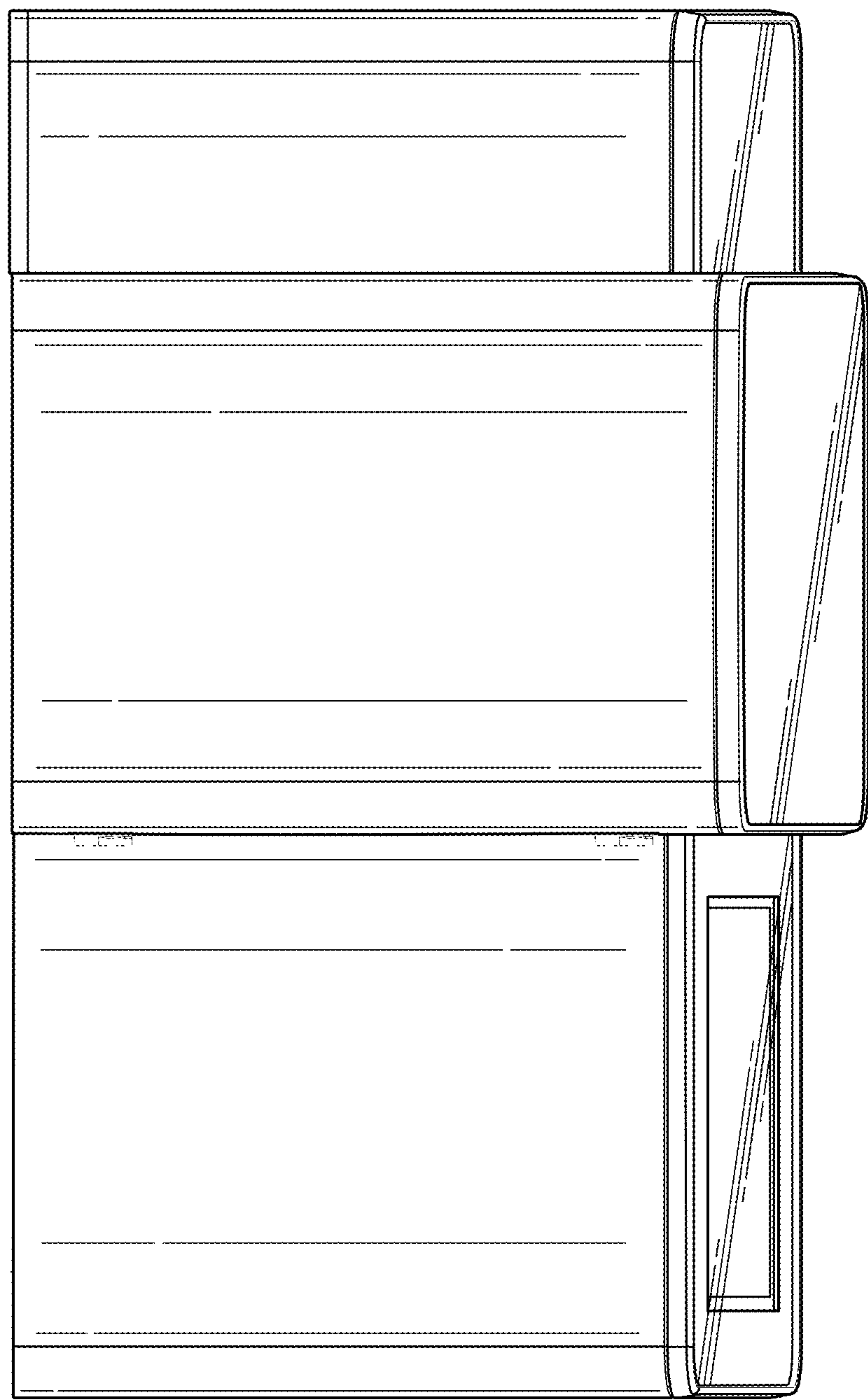


FIG. 6

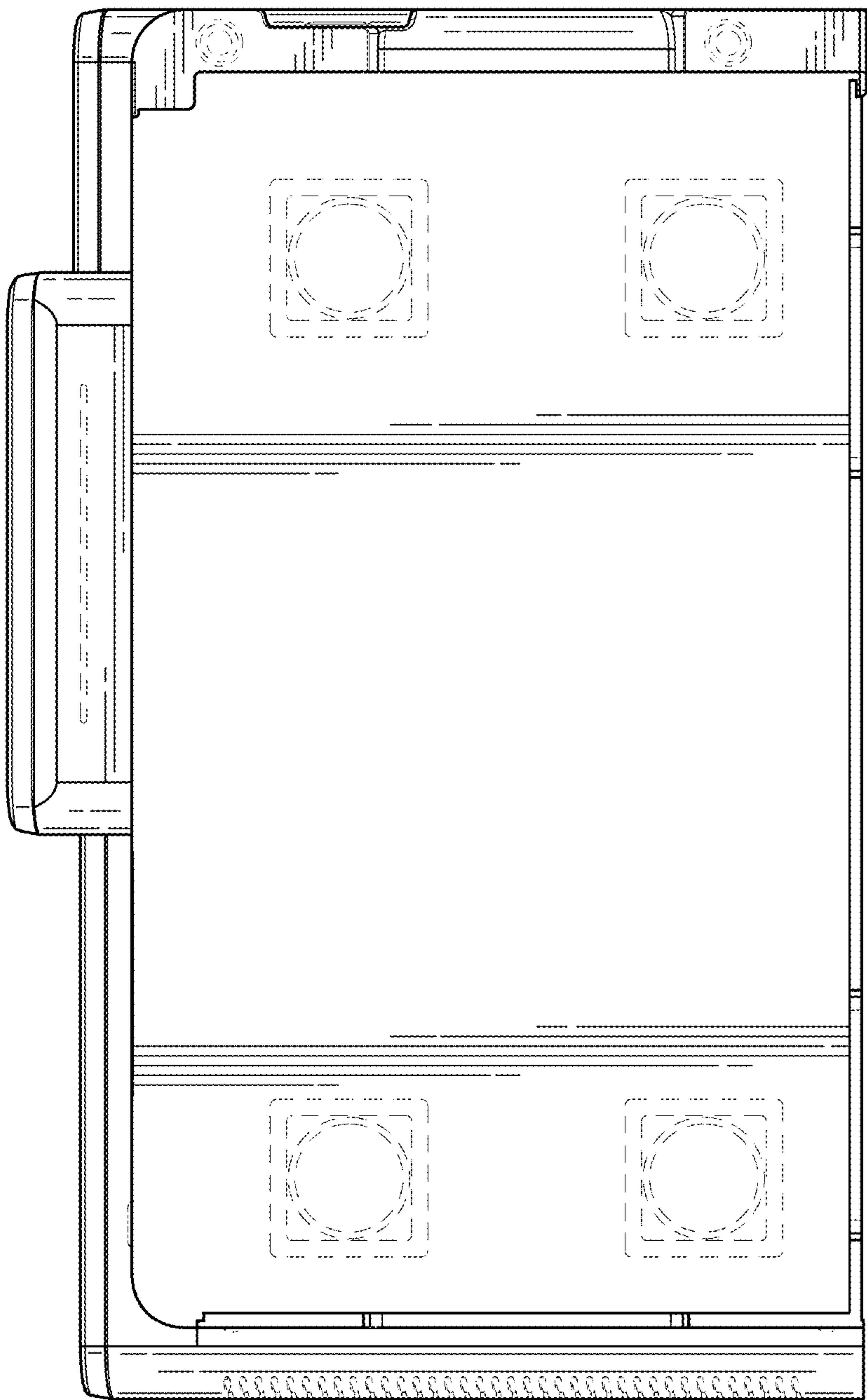


FIG. 7

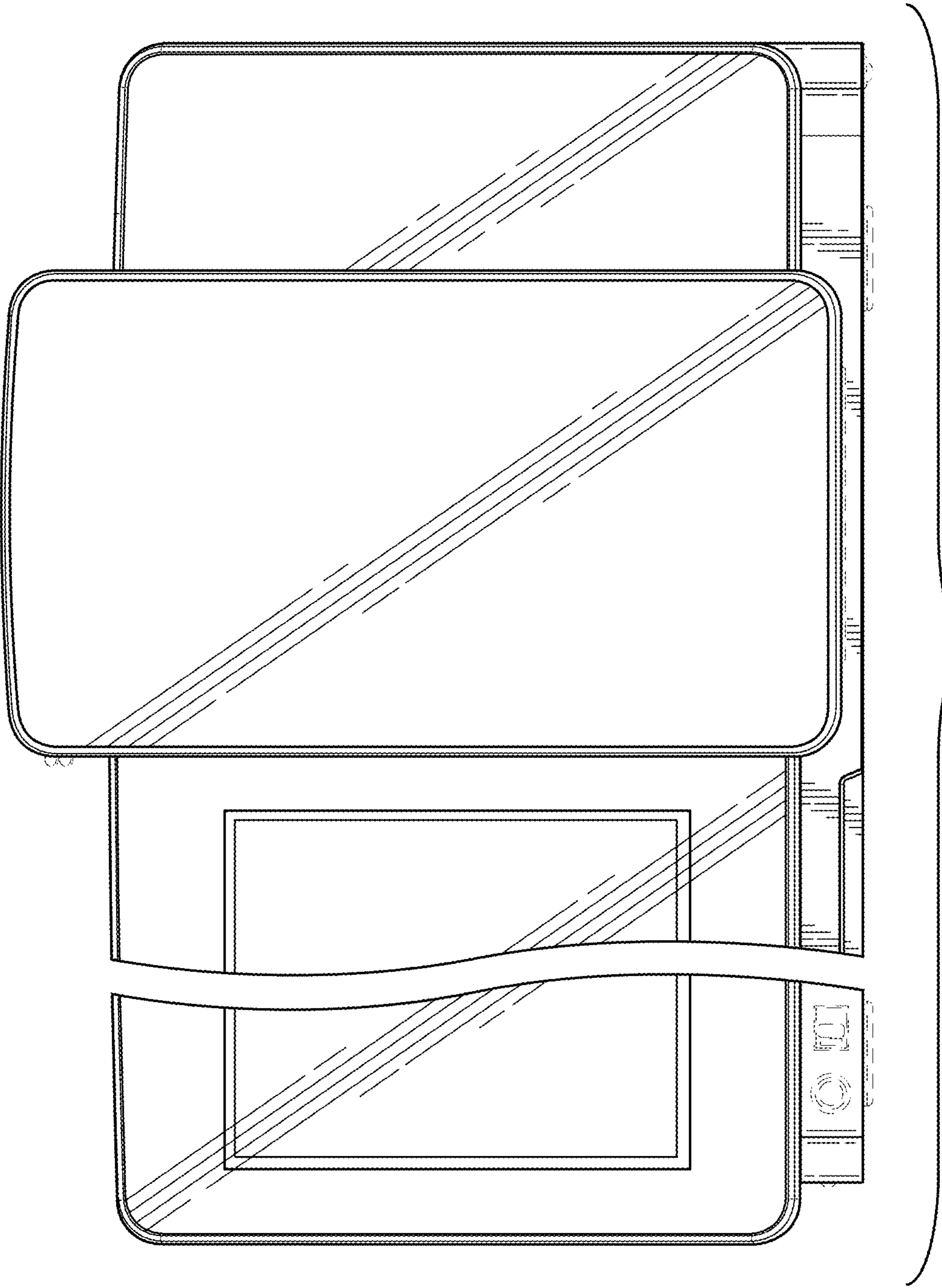


FIG. 8

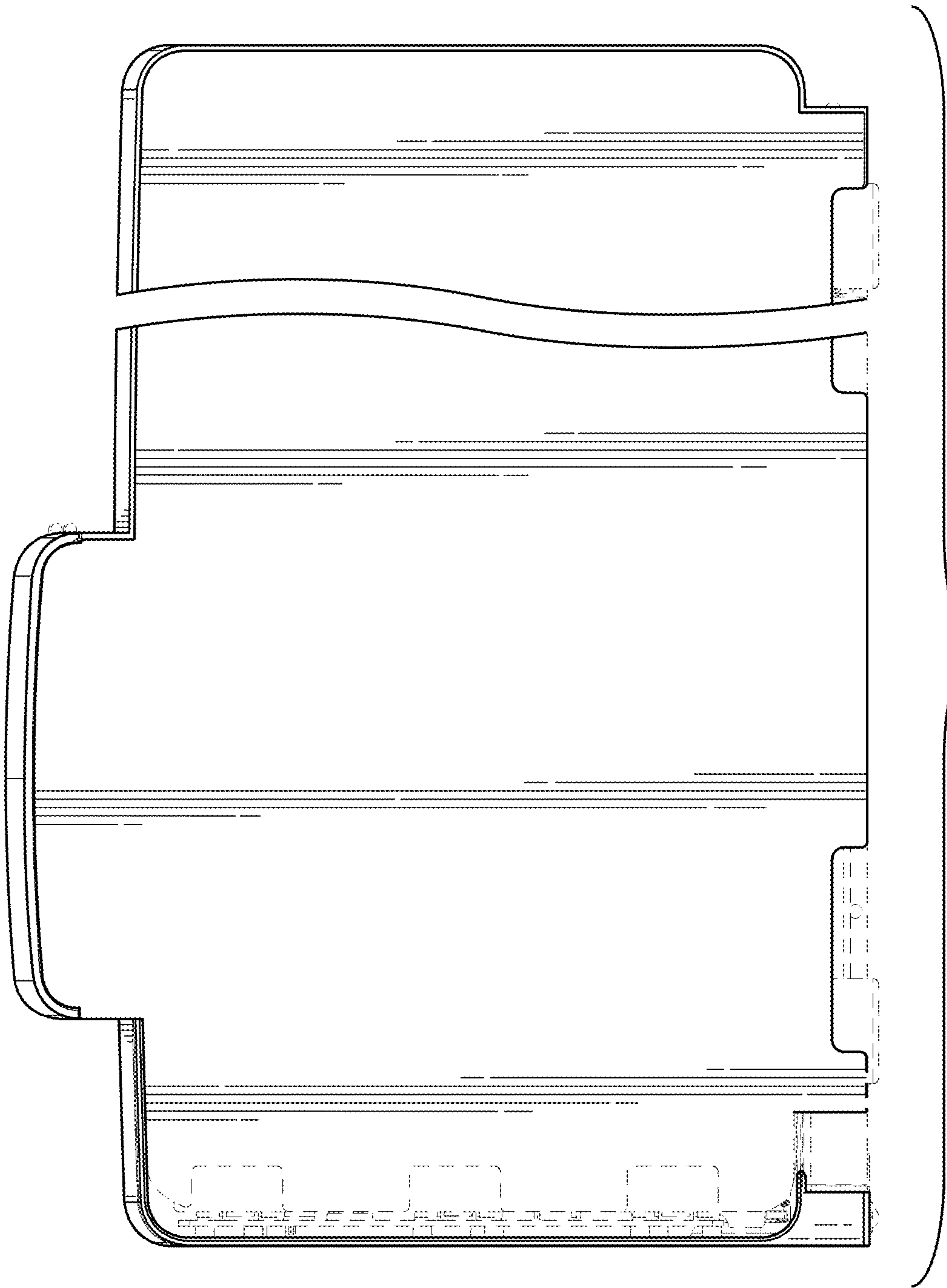


FIG. 9

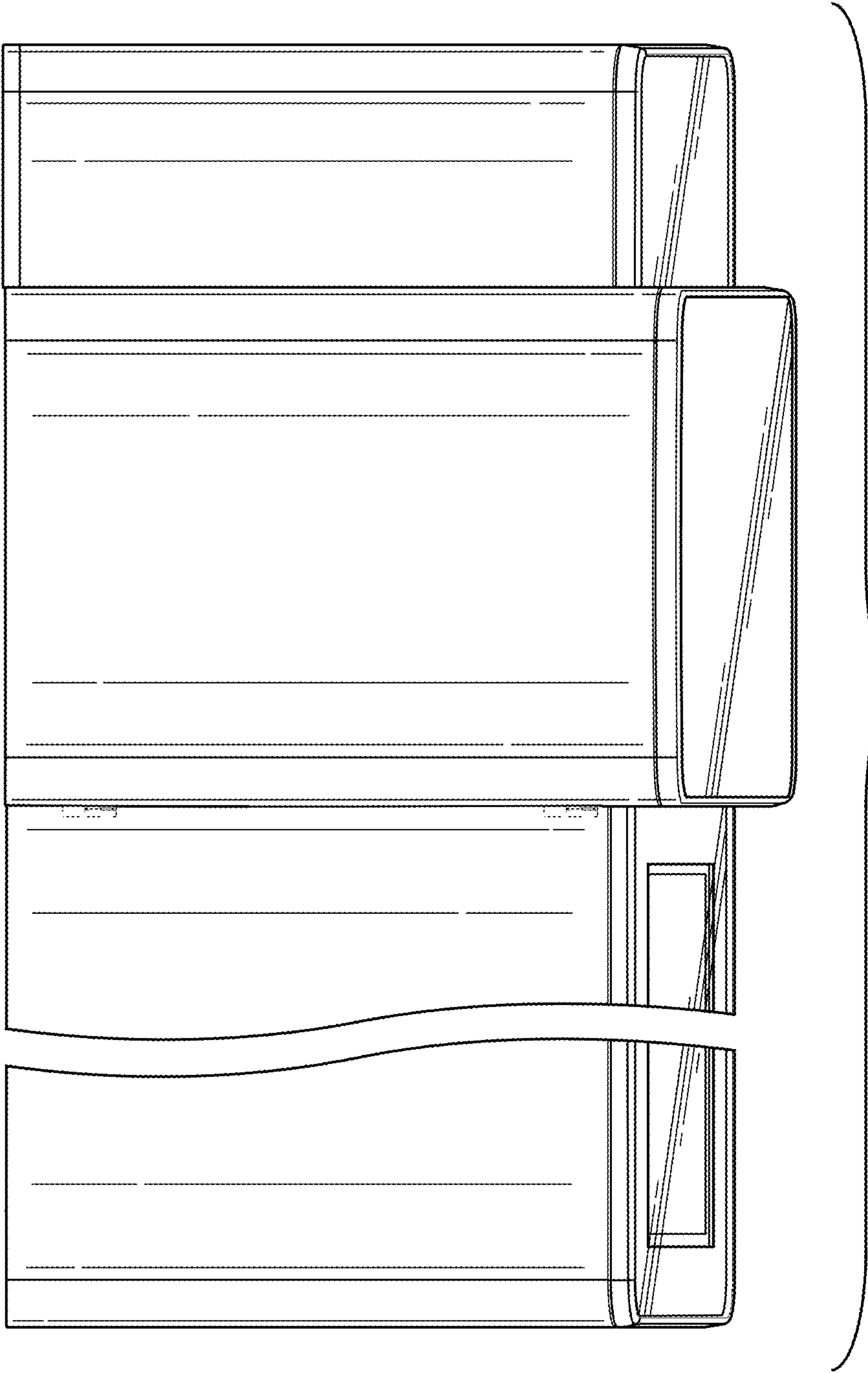
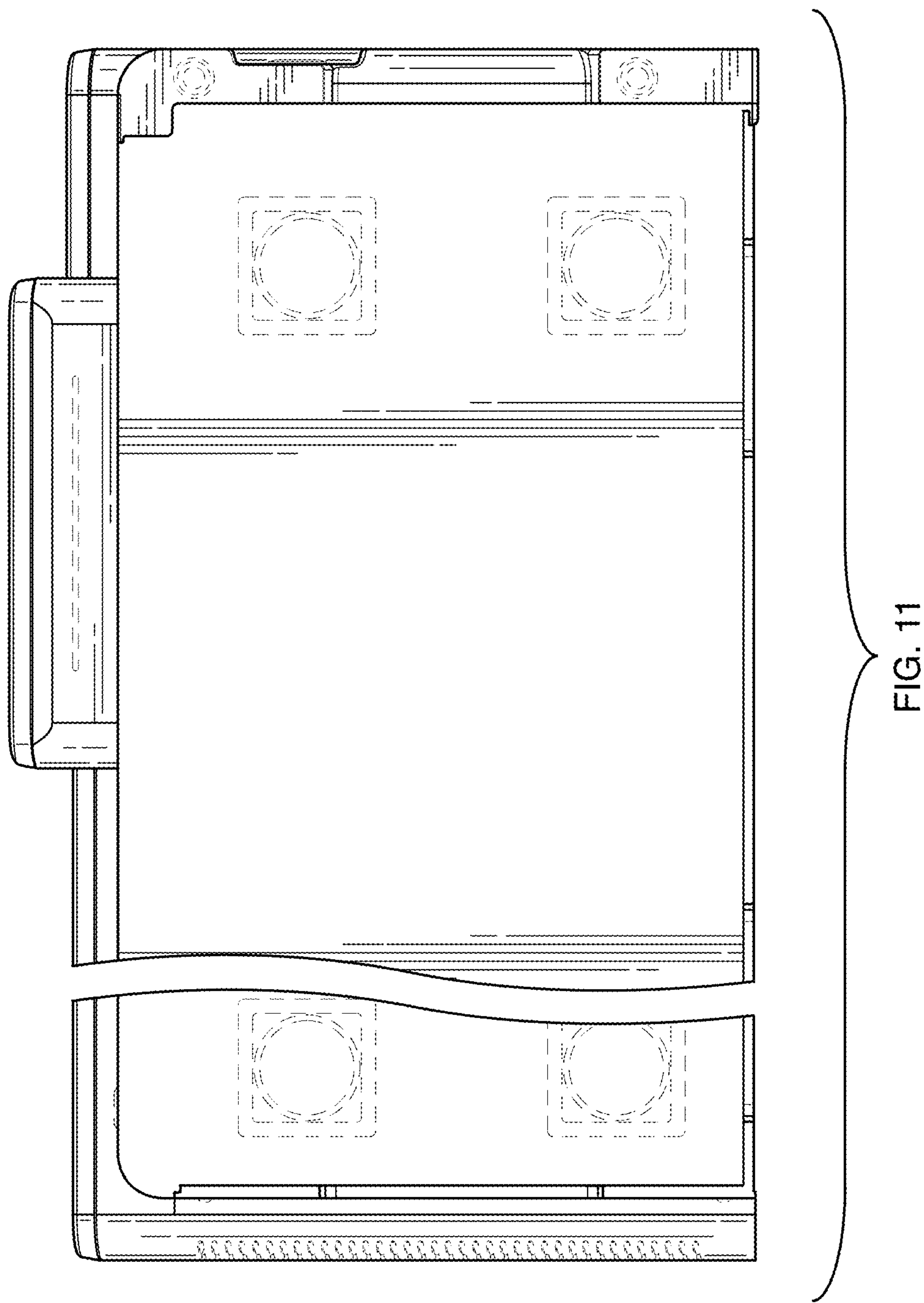


FIG. 10



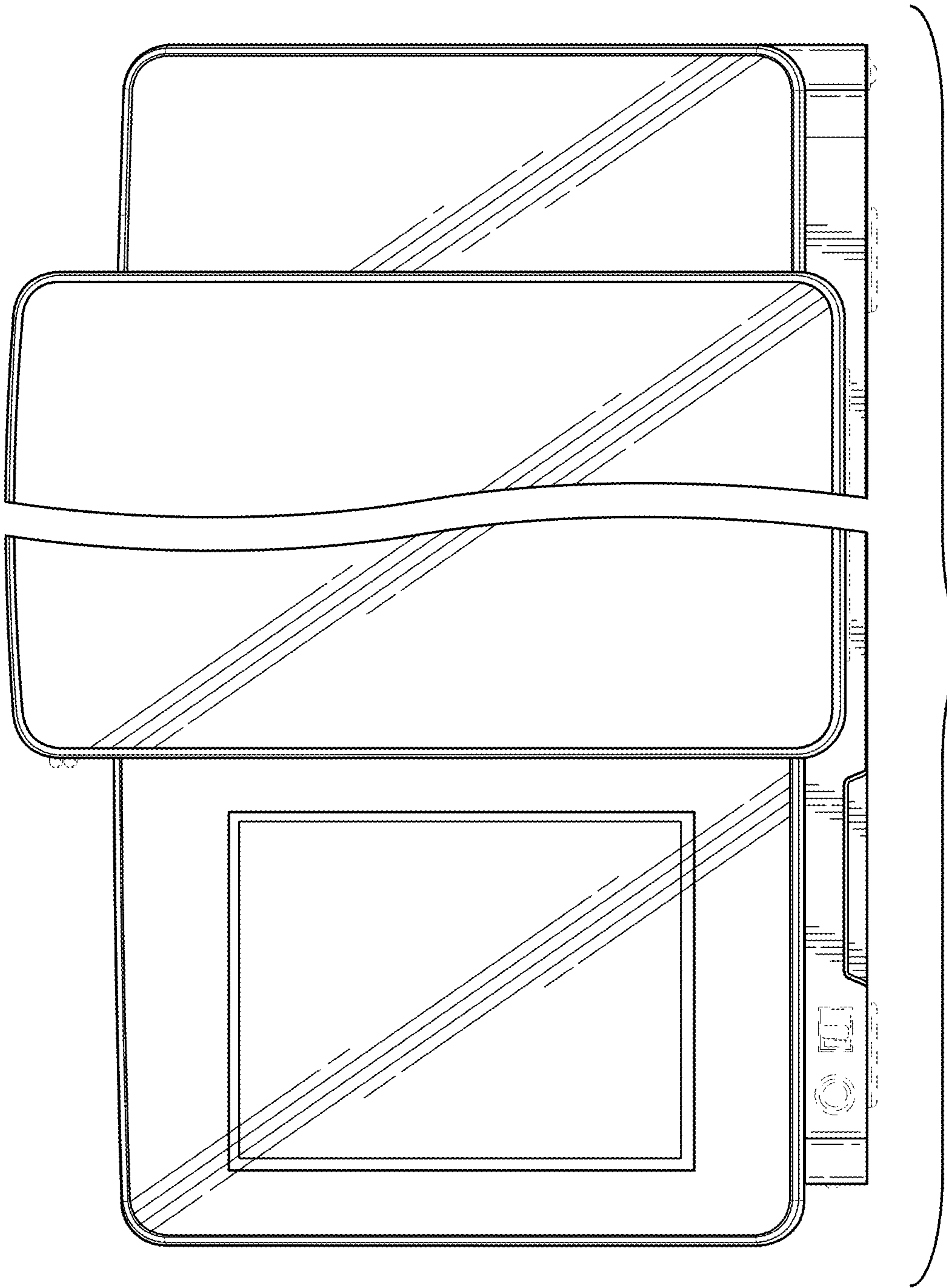
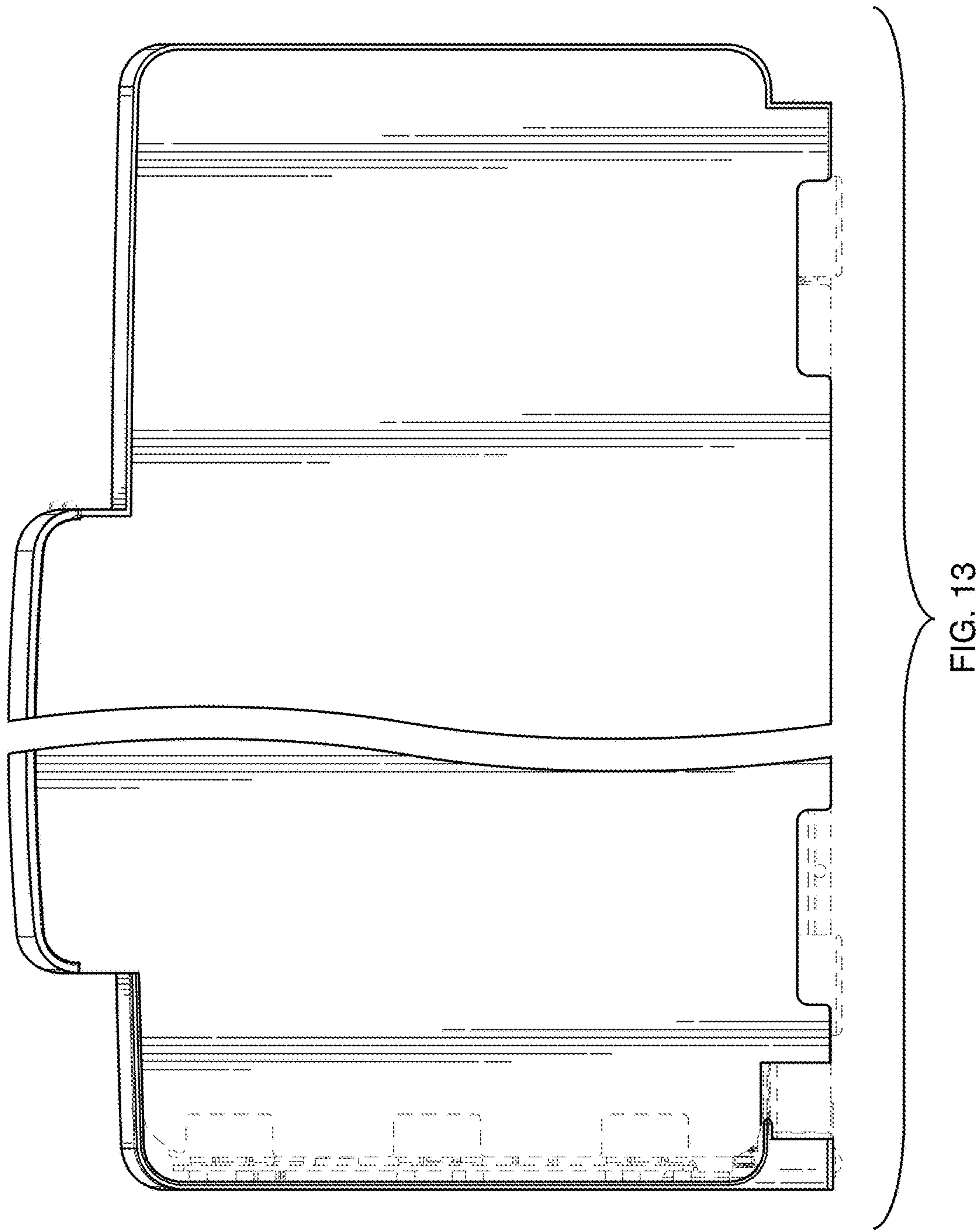
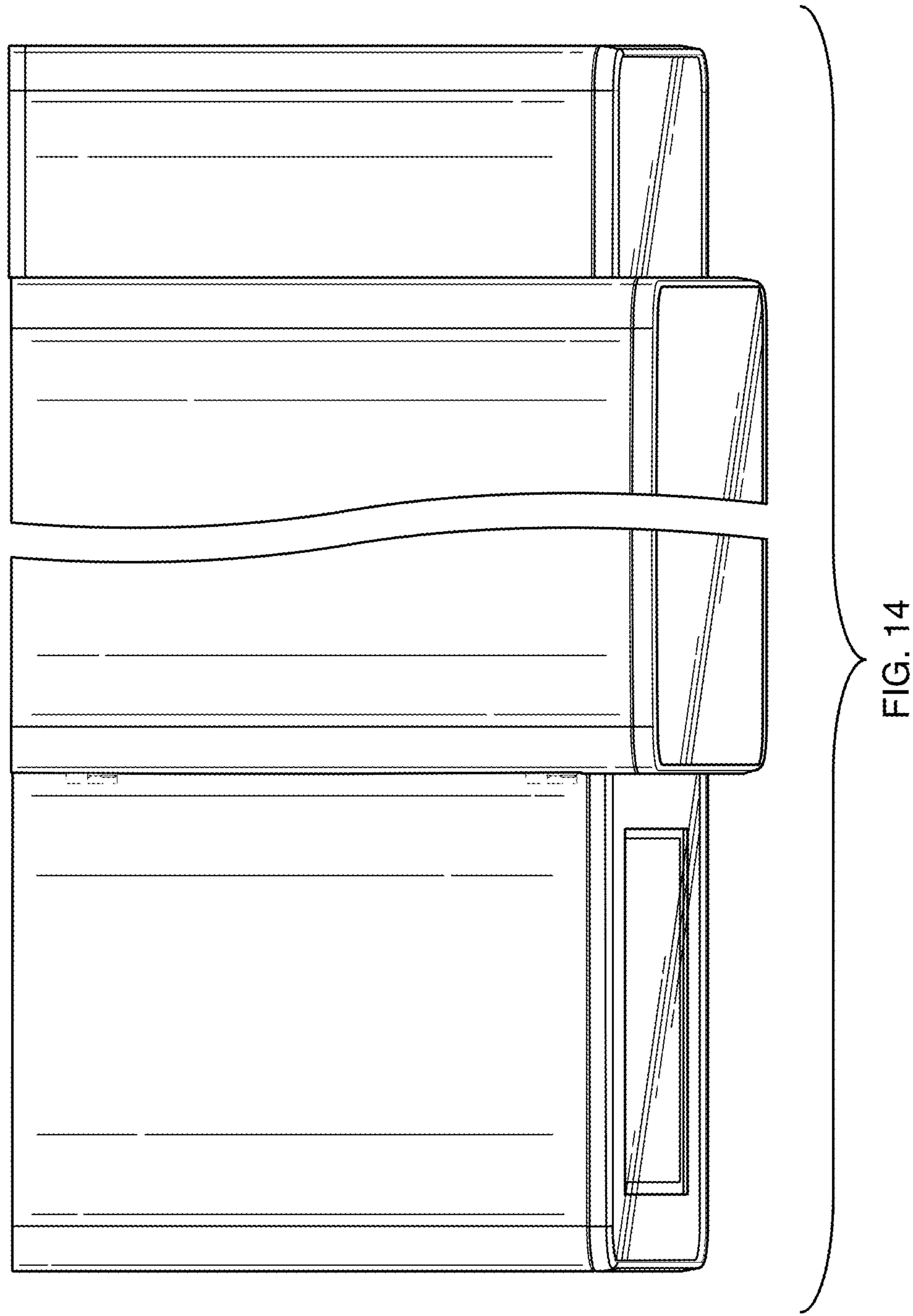
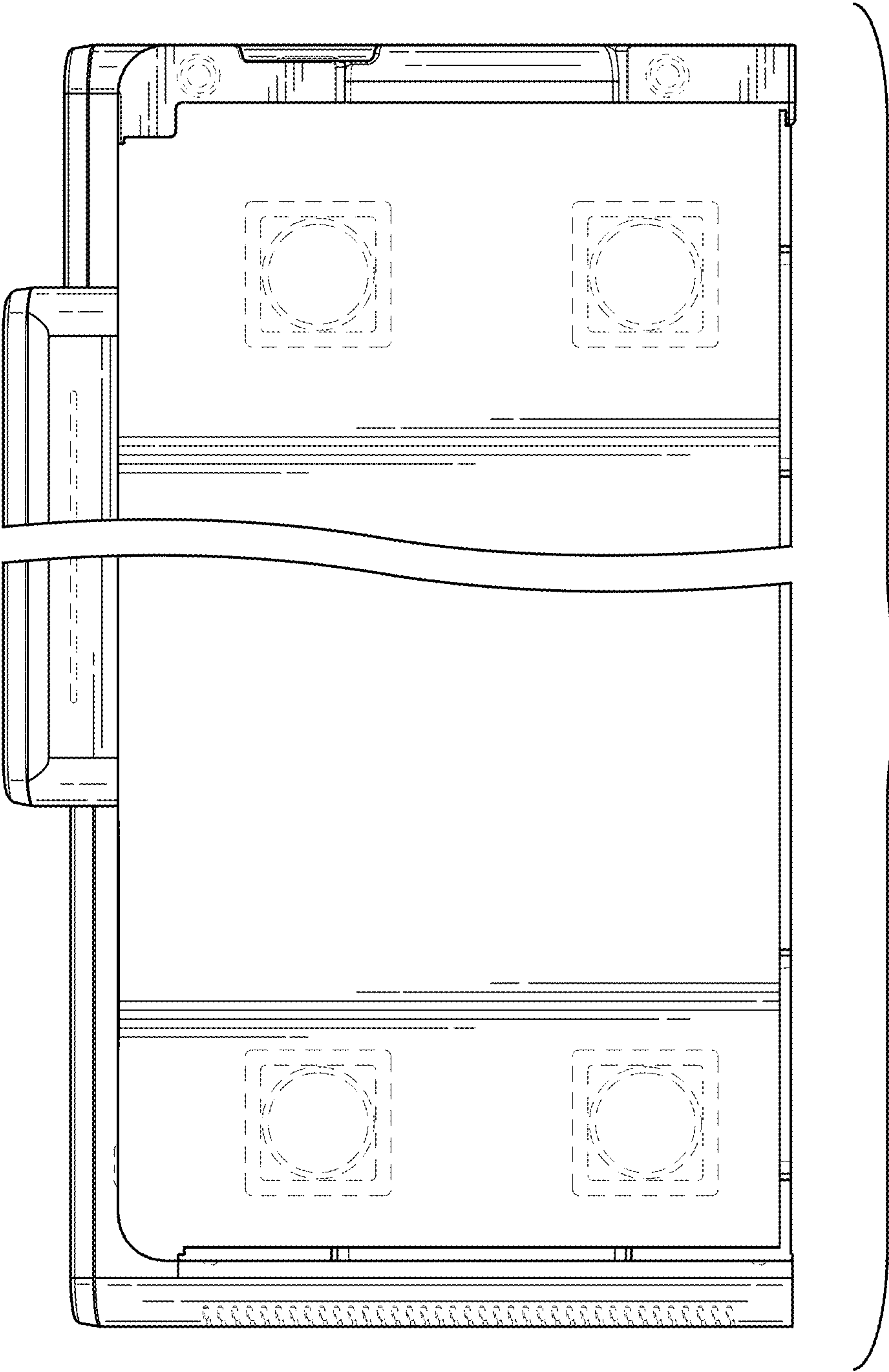


FIG. 12







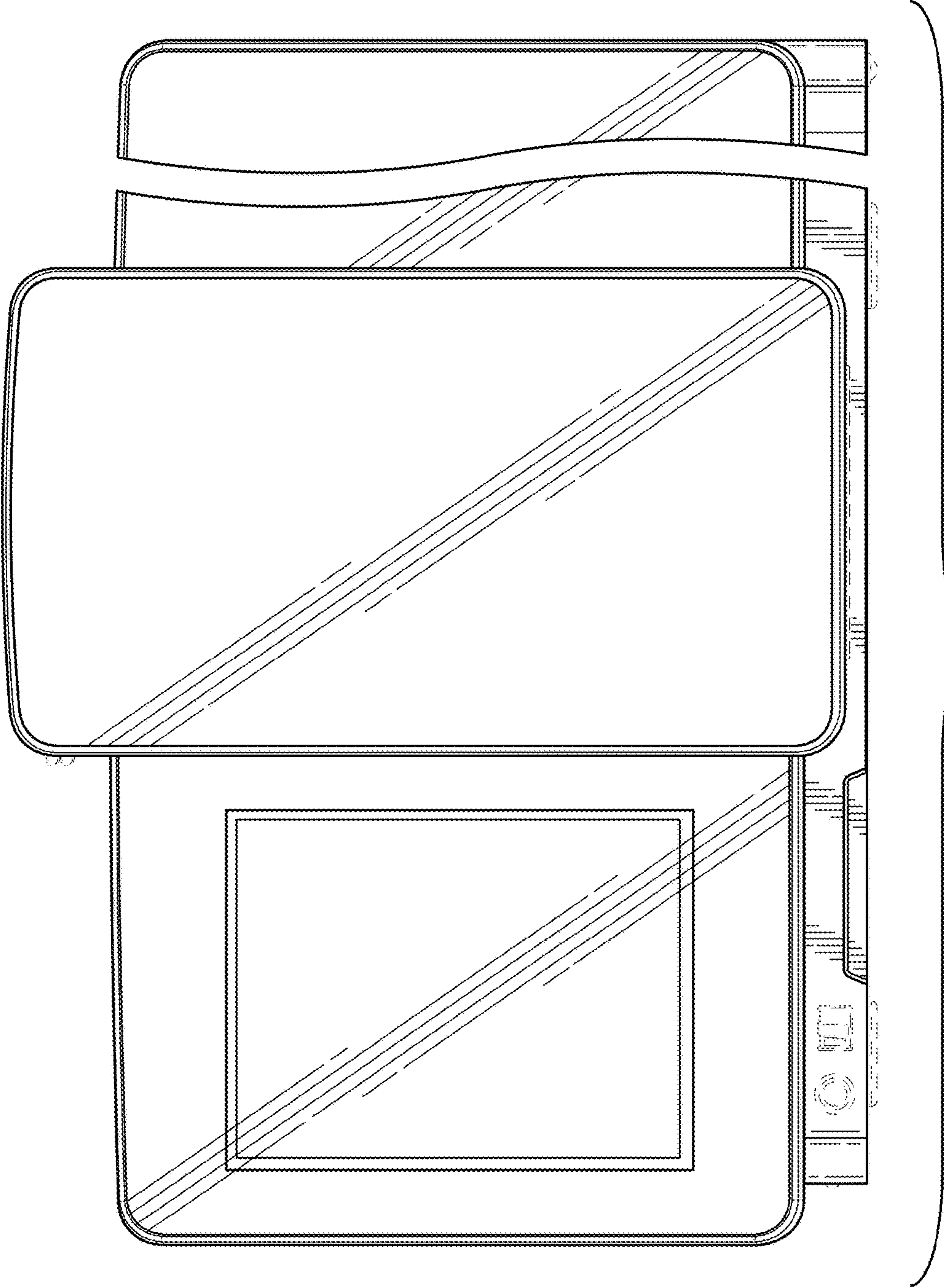


FIG. 16

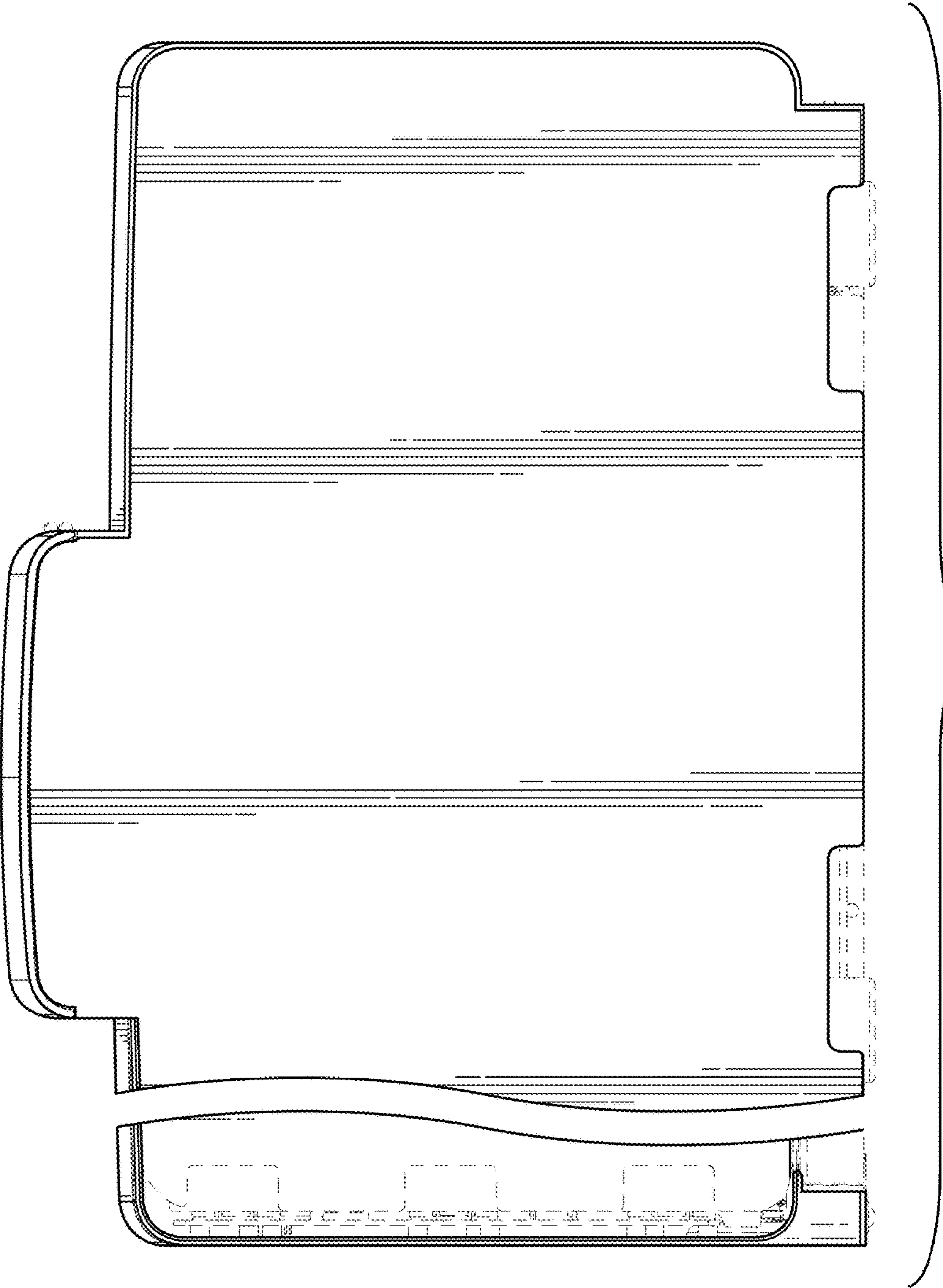
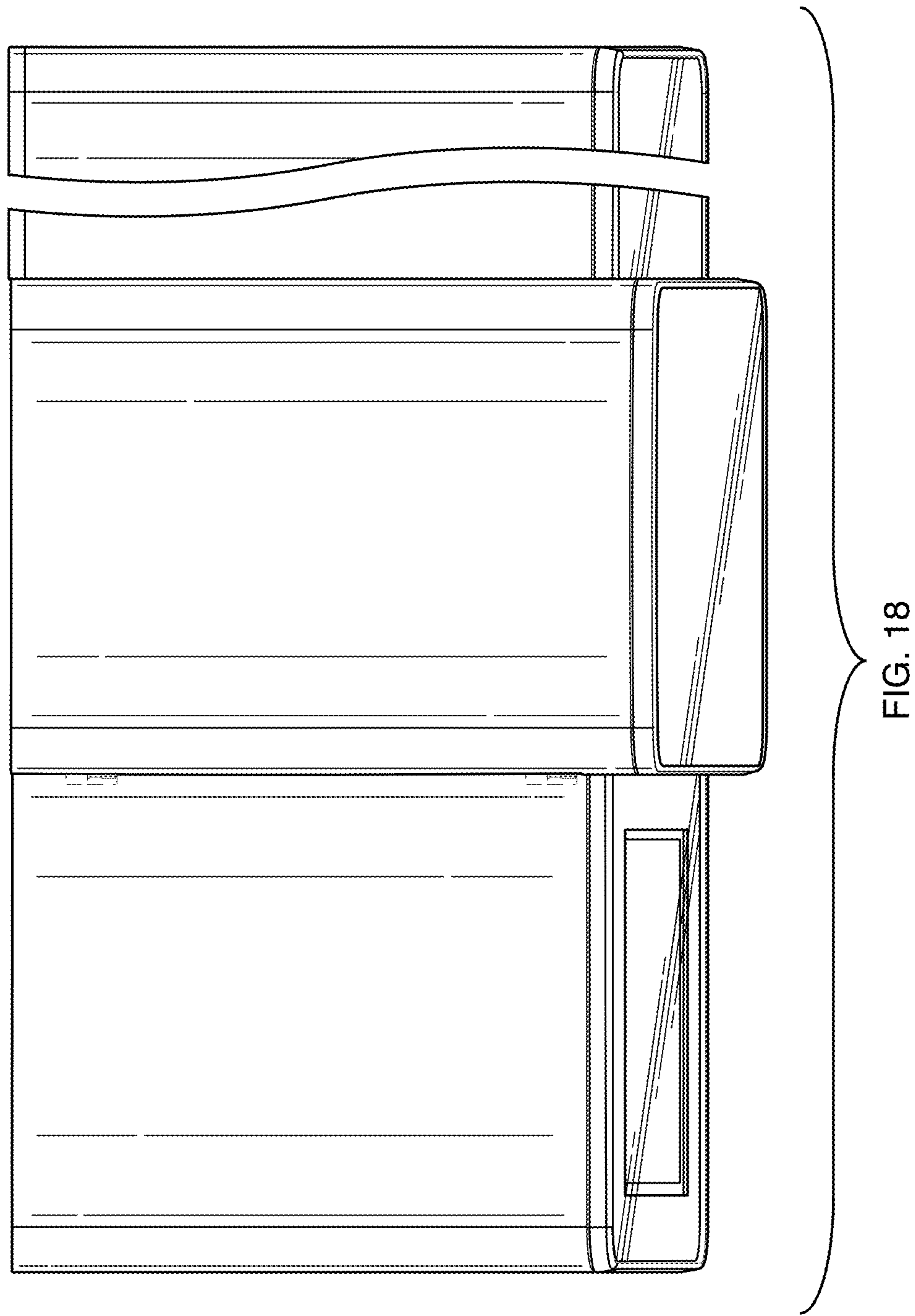


FIG. 17



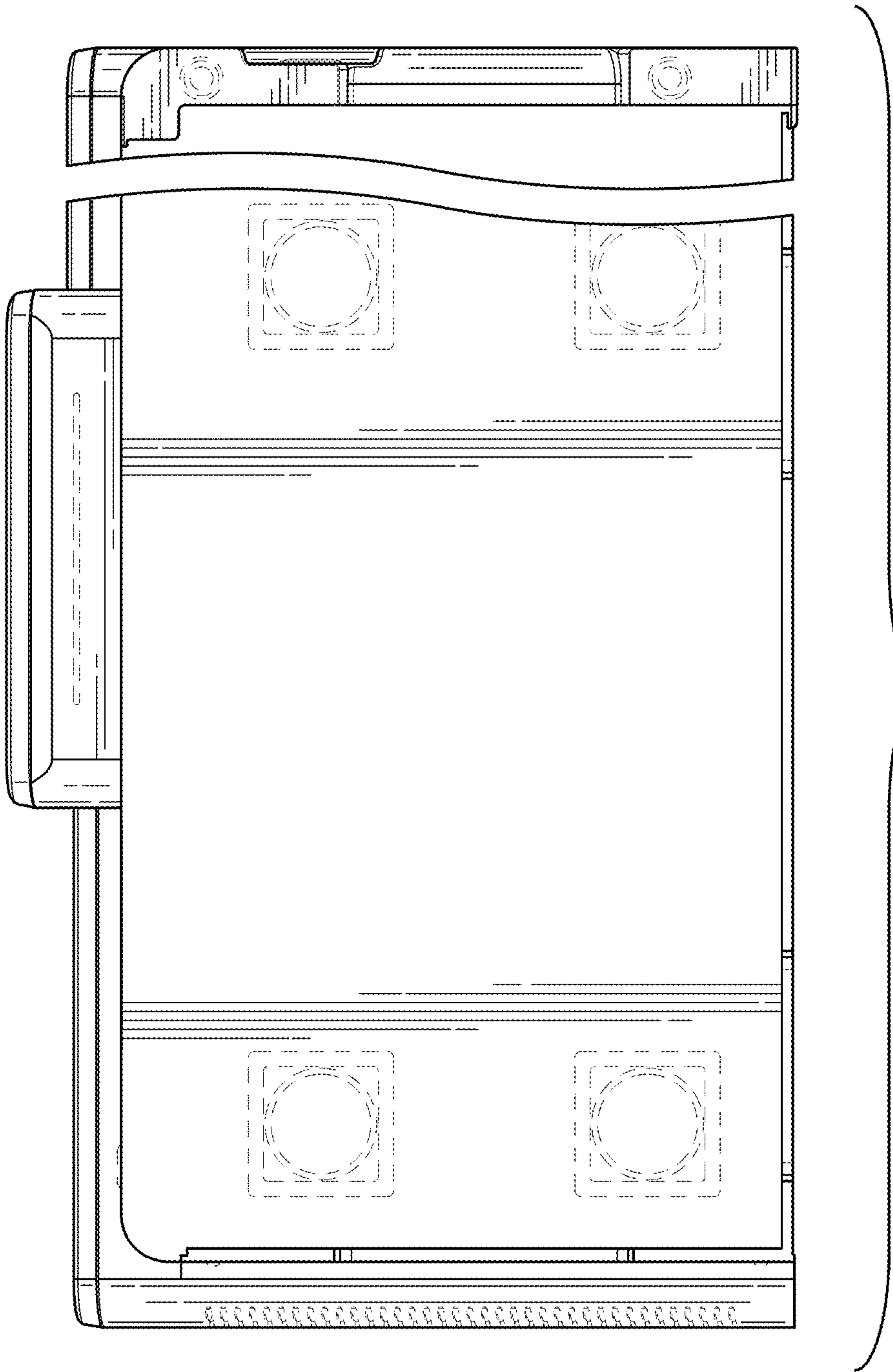


FIG. 19