

(12) **United States Design Patent**
Mao

(10) **Patent No.:** **US D1,030,808 S**
(45) **Date of Patent:** **** Jun. 11, 2024**

(54) **AIR PUMP**

(71) Applicant: **Zhaoyun Mao**, Dongguan (CN)

(72) Inventor: **Zhaoyun Mao**, Dongguan (CN)

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

(21) Appl. No.: **29/869,282**

(22) Filed: **Dec. 28, 2022**

(51) **LOC (14) Cl.** **15-02**

(52) **U.S. Cl.**
USPC **D15/7**

(58) **Field of Classification Search**
USPC D15/7, 9; D26/37, 38; D13/107
CPC F04B 53/14; F04B 33/00; F04B 1/005;
F04B 39/102; F04D 13/06; F04D 29/22;
F04D 29/046; F04D 29/2266; F16K
11/048; F16K 15/20; F16K 31/602; F16L
37/18; F16L 37/20
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D537,721 S * 3/2007 Kertels D9/449

D589,984 S * 4/2009 Roesler D15/7

D709,734 S * 7/2014 Kotani D7/608

D788,897 S * 6/2017 Lee D23/366

D834,620 S * 11/2018 Neir A63B 41/12
D15/7

D835,766 S * 12/2018 Chen D23/364

D842,490 S * 3/2019 Gan D24/215

D865,006 S * 10/2019 Mao D15/7

D873,861 S * 1/2020 Mao D15/7

D873,862 S * 1/2020 Mao D15/7

D876,486 S * 2/2020 Chen D15/9

D882,638 S * 4/2020 Zhang D15/7

D916,933 S * 4/2021 Sun D15/7

D926,229 S * 7/2021 He D15/7

D928,374 S * 8/2021 Zheng D26/60

D952,691 S * 5/2022 Ding D15/7

D957,468 S * 7/2022 Wang D15/7

D962,295 S * 8/2022 Chen D15/7

D970,555 S * 11/2022 Chen D15/7

* cited by examiner

Primary Examiner — Calvin E Vansant
Assistant Examiner — Eidiol Ghigliotty Torres

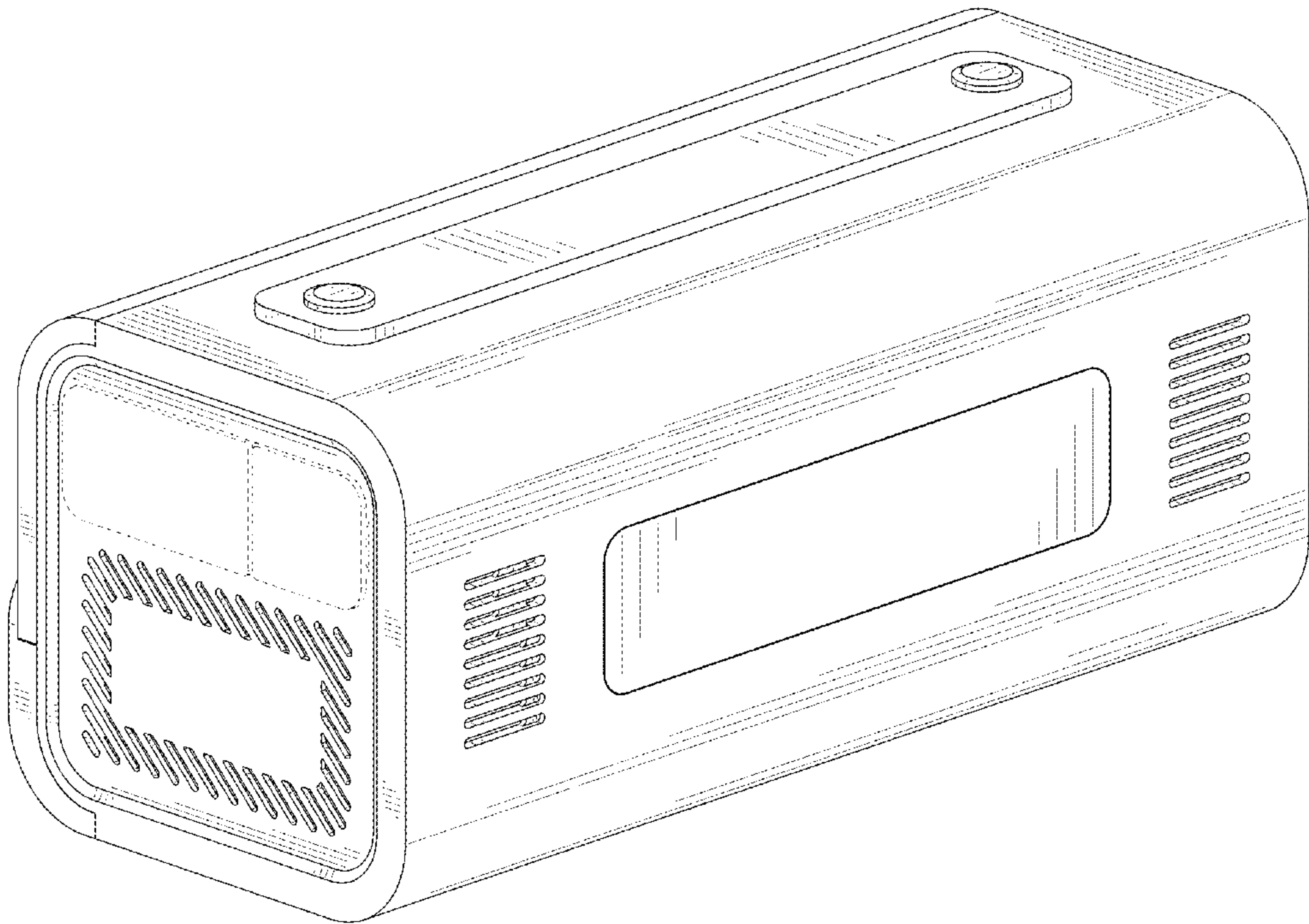
(57) **CLAIM**

The ornamental design for an air pump, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an air pump showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof;
FIG. 8 is a bottom plan view thereof; and,
FIG. 9 is a perspective view of the air pump where the air pump is in a configuration of use.
The broken lines in the drawings depict portions of the air pump that form no part of the claimed design.

1 Claim, 9 Drawing Sheets



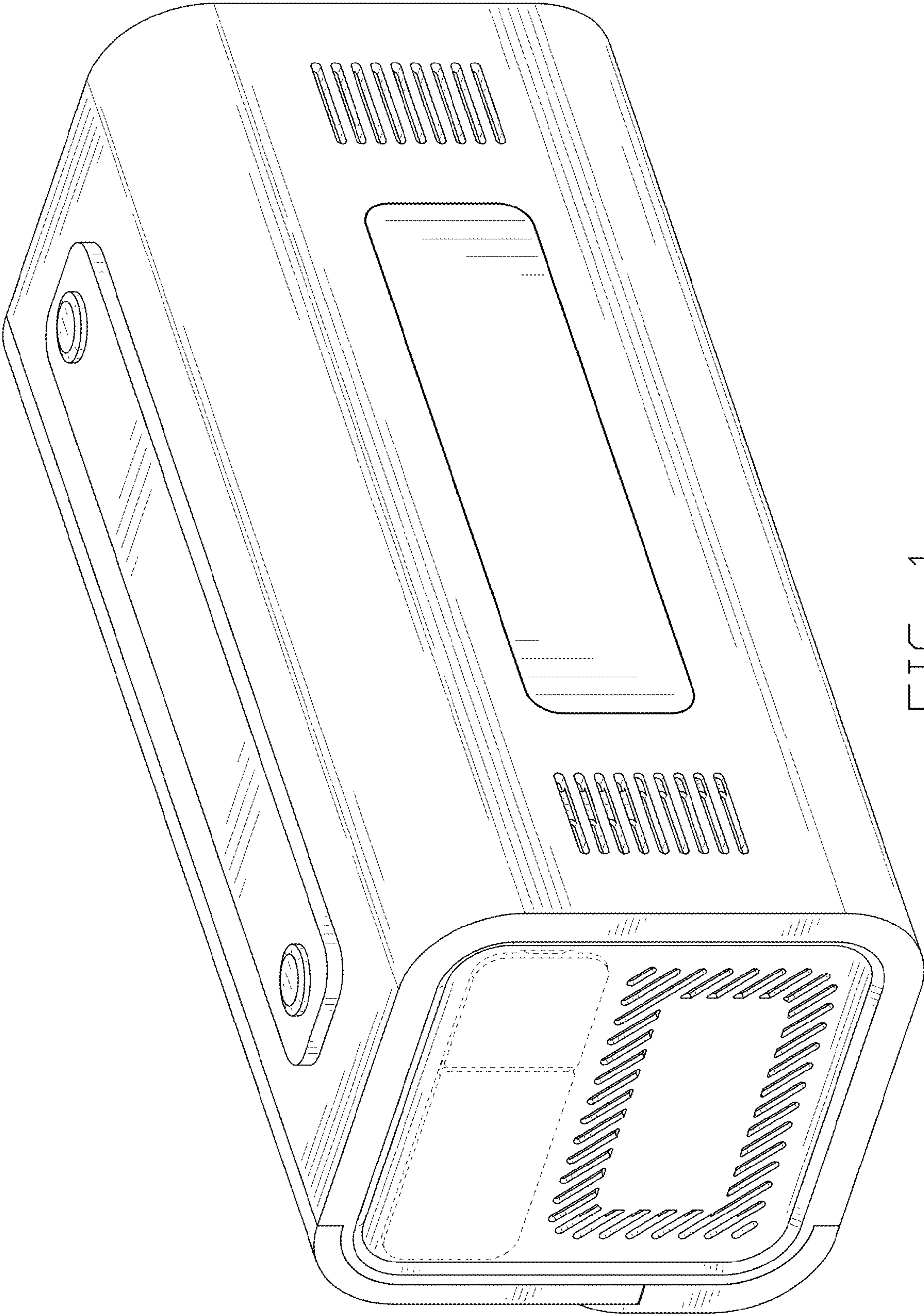


FIG. 1

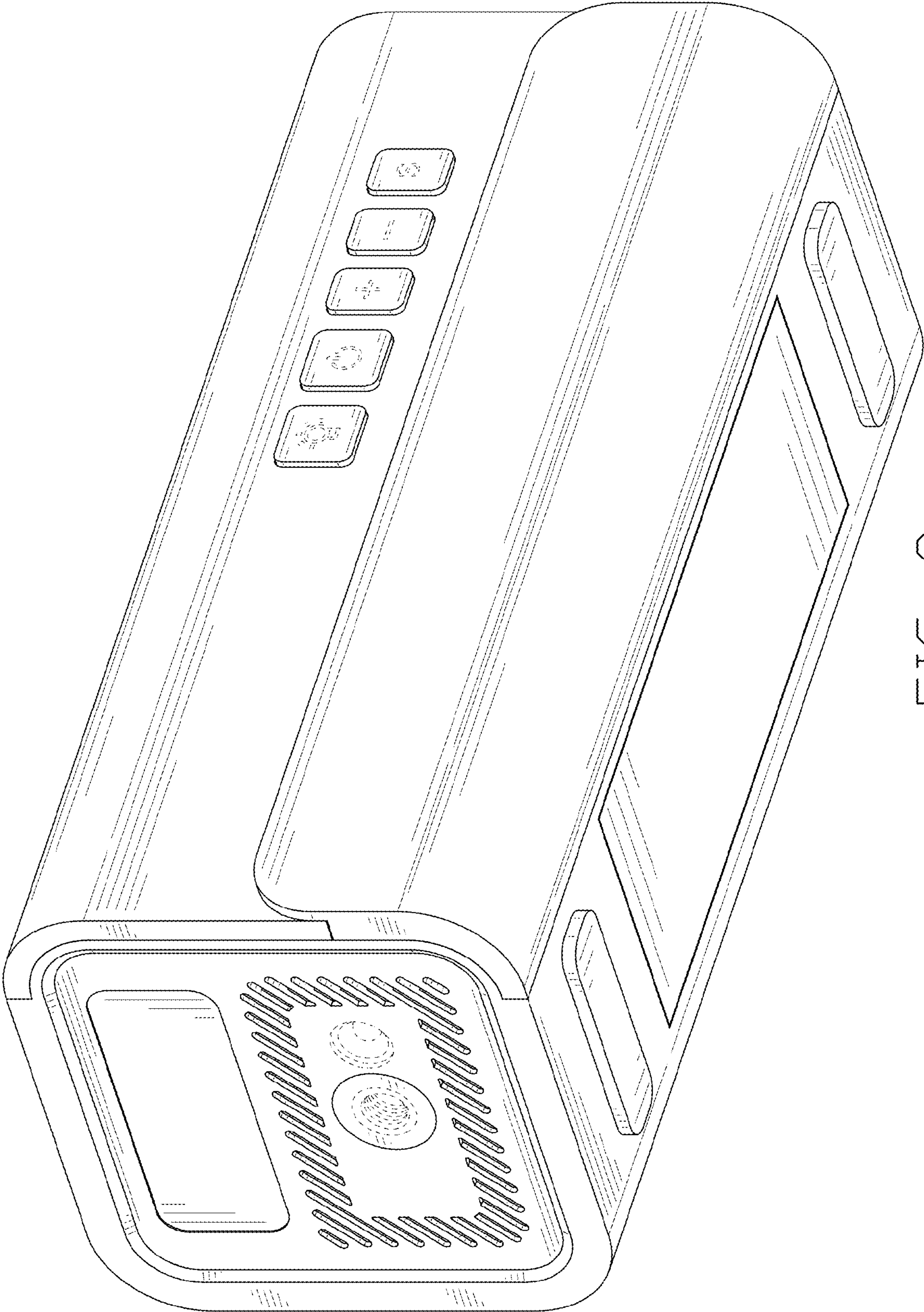


FIG. 2

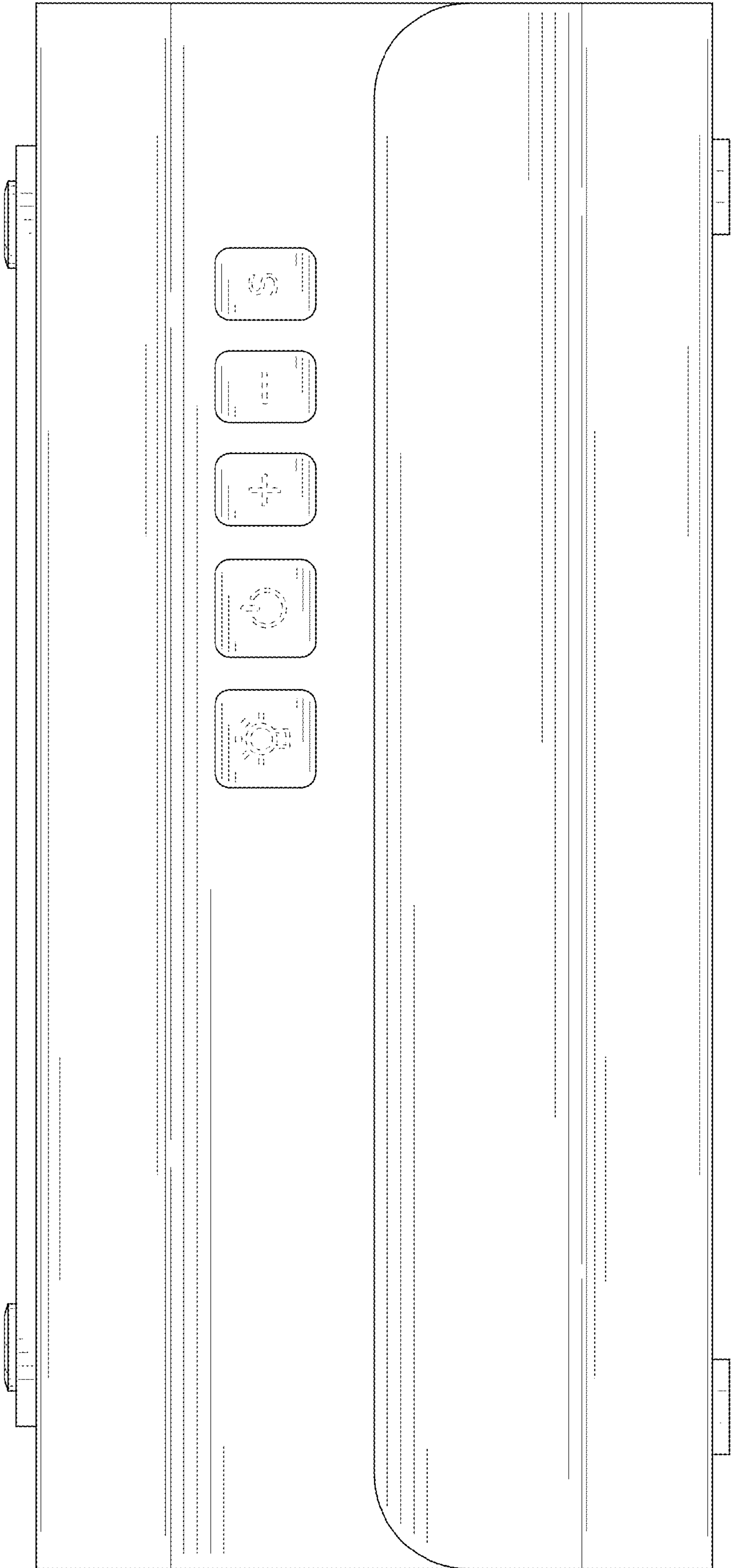


FIG. 3

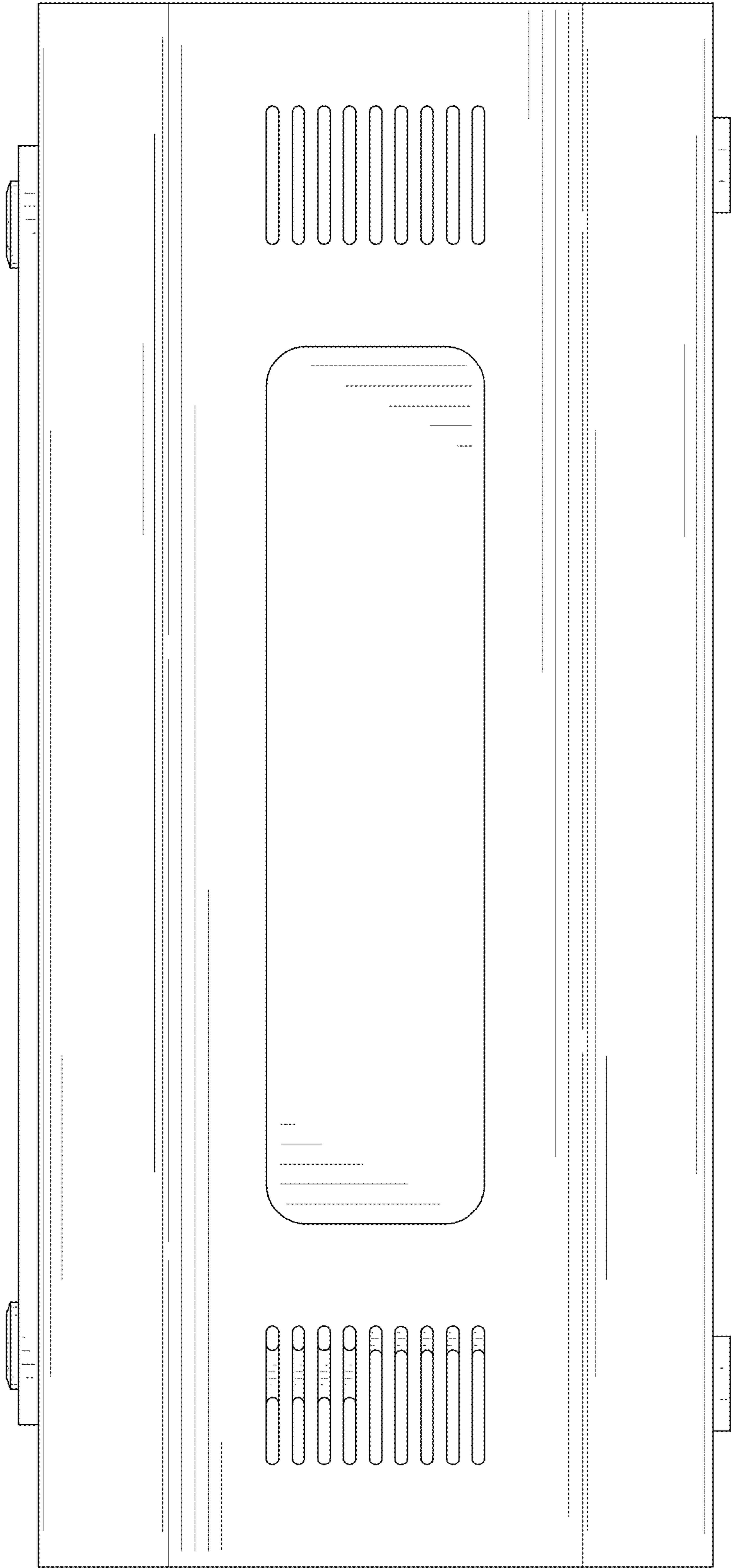


FIG. 4

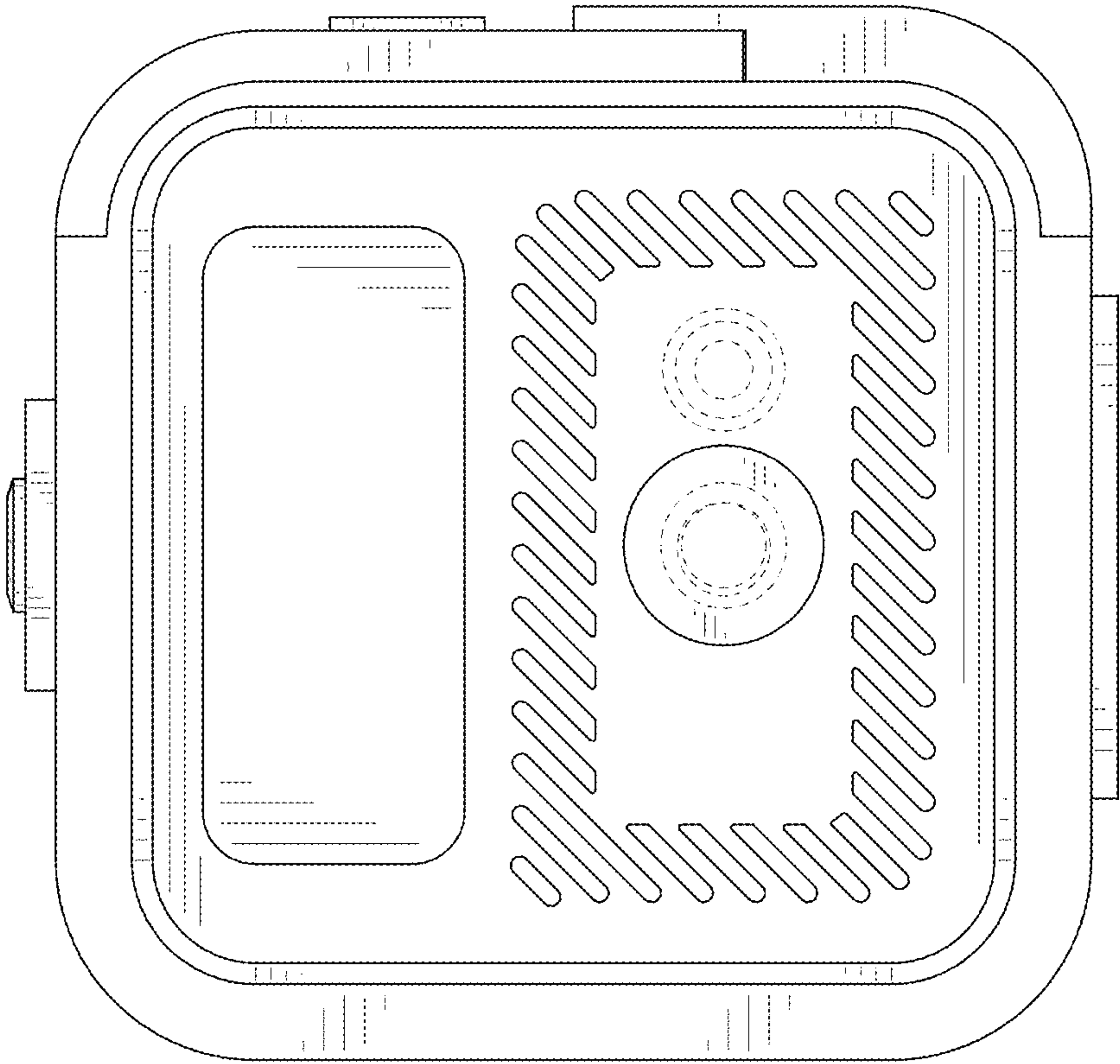


FIG. 5

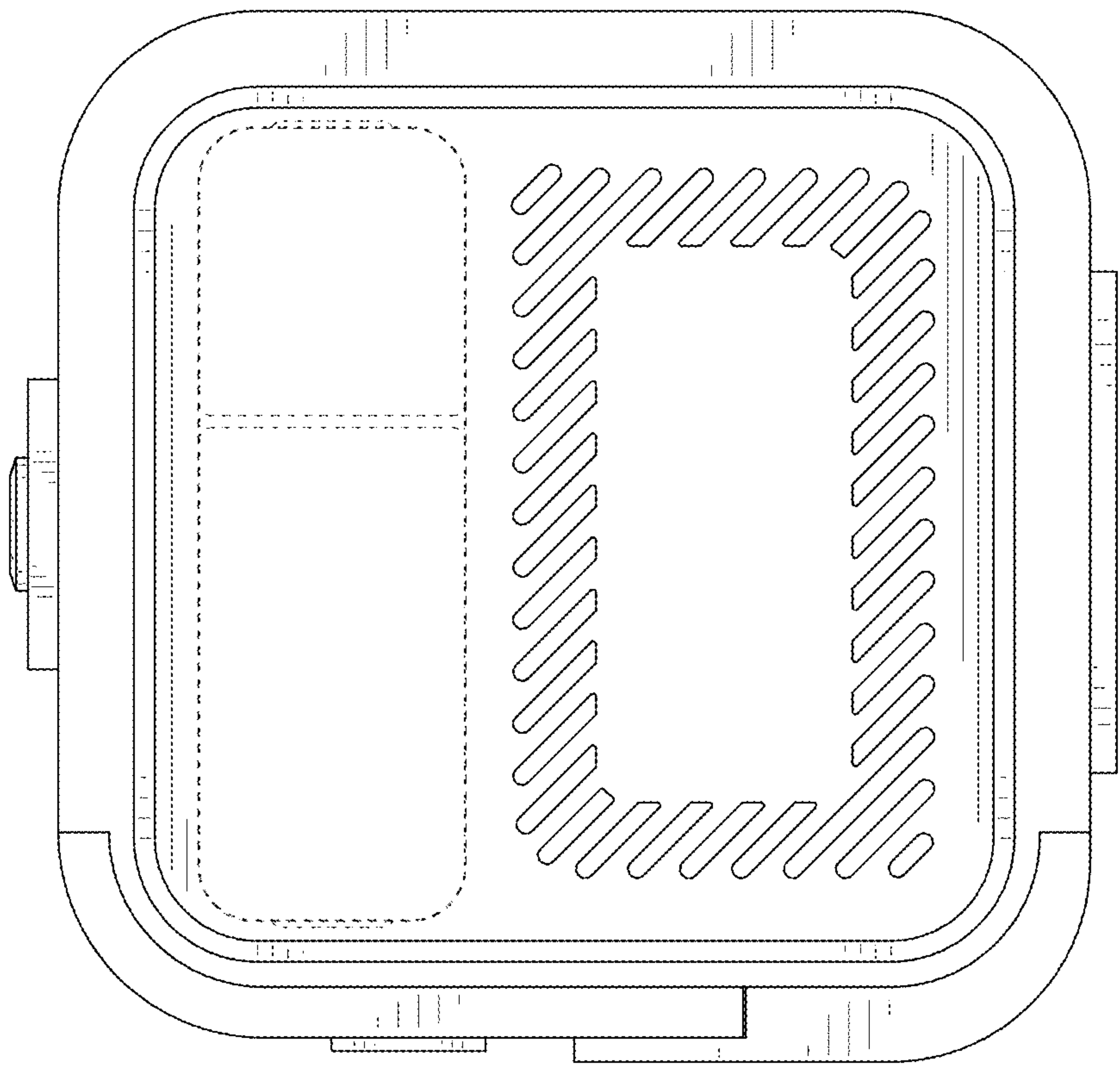


FIG. 6

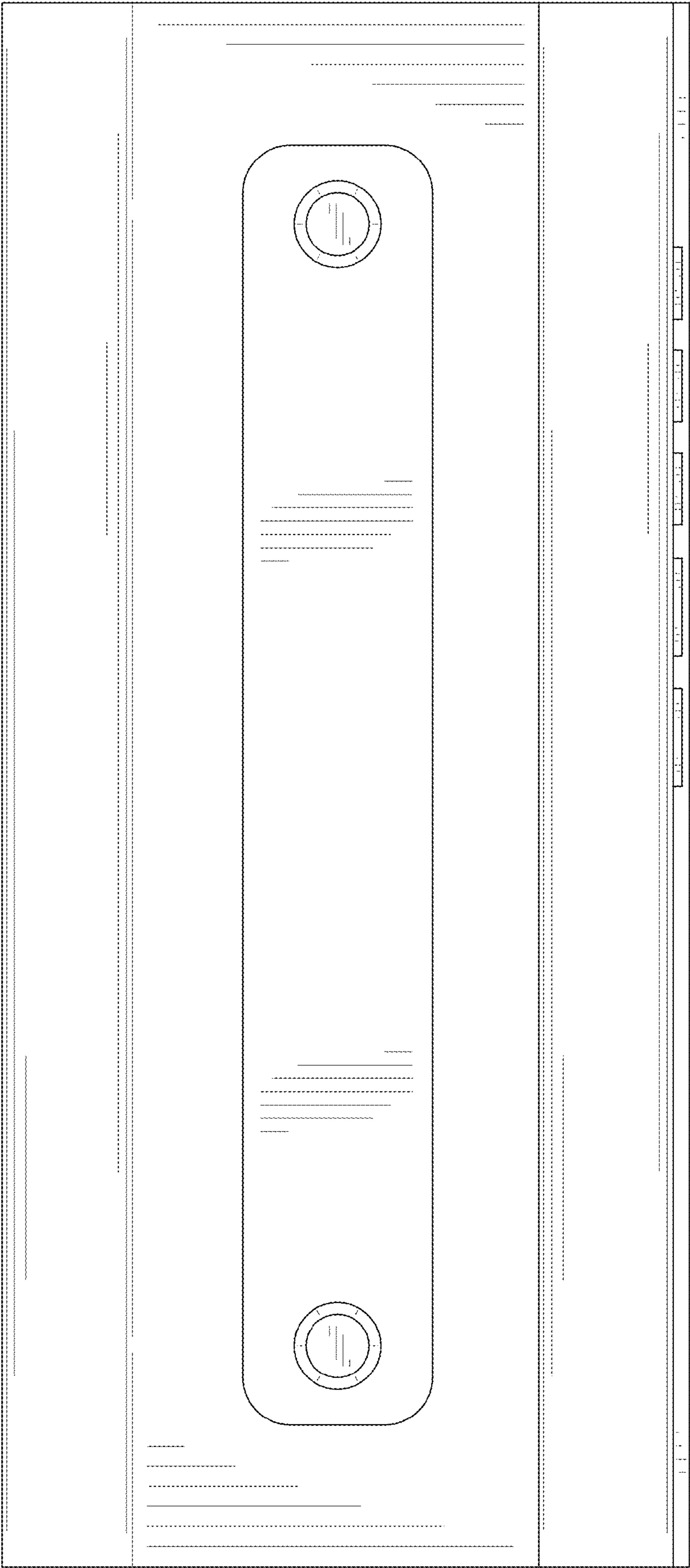


FIG. 7

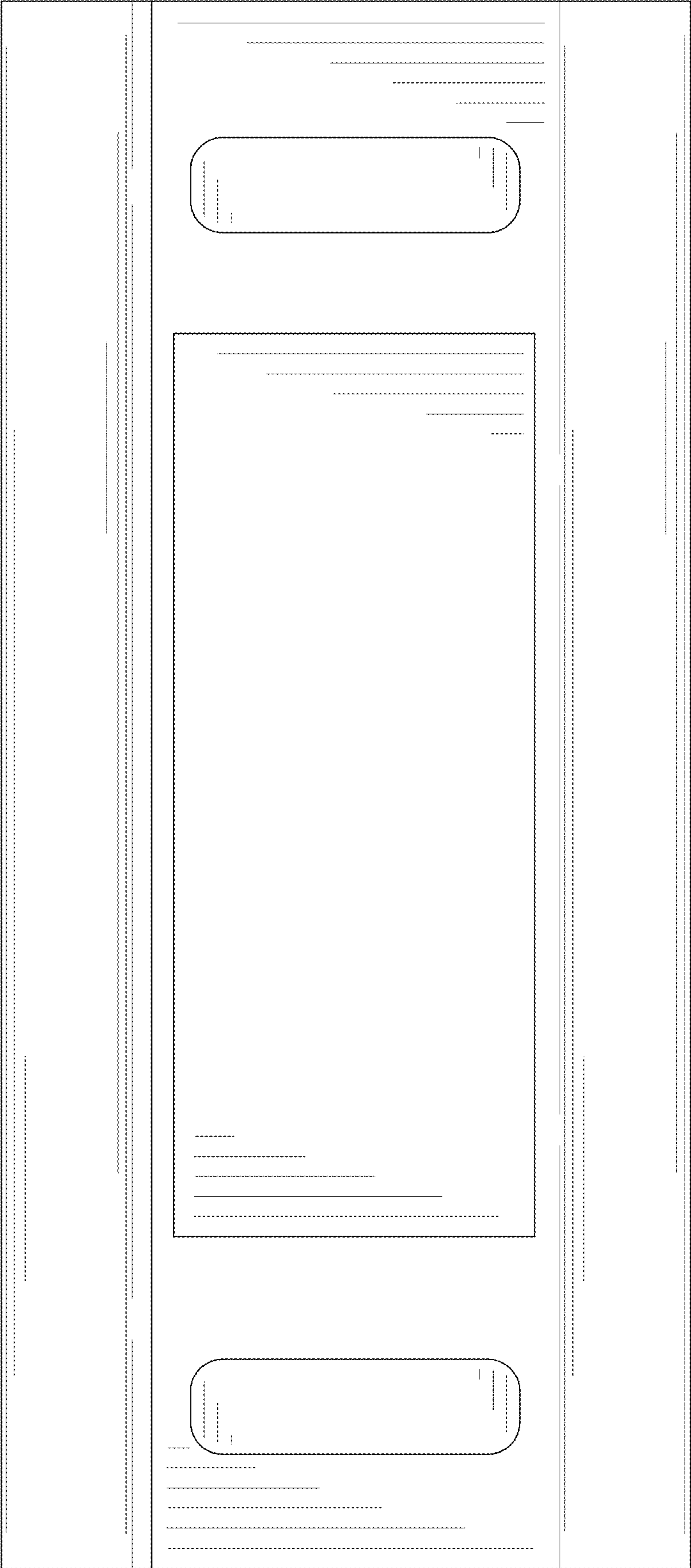


FIG. 8

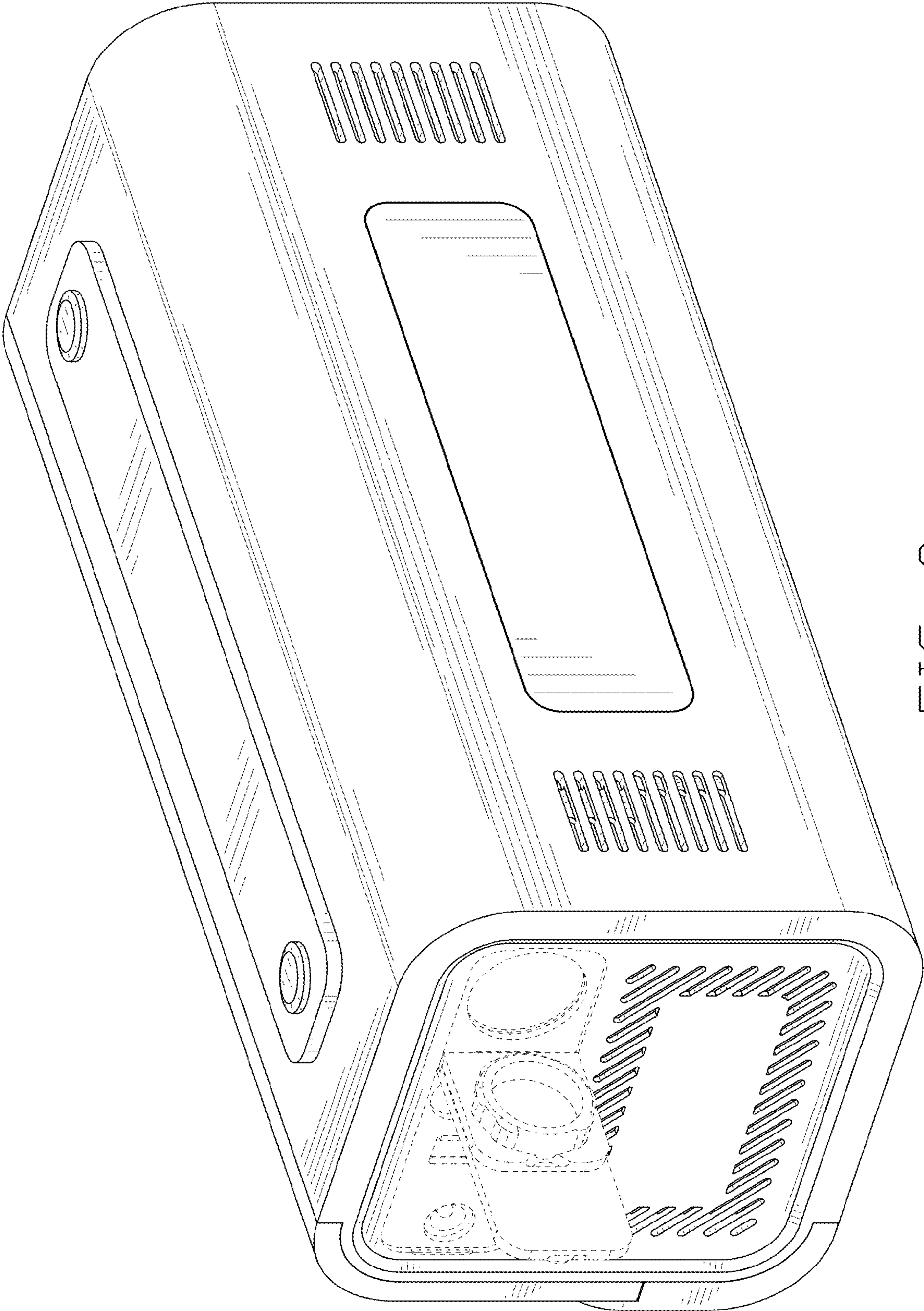


FIG. 9