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

(10) **Patent No.:** **US D996,367 S**

(45) **Date of Patent:** **\*\* Aug. 22, 2023**

(54) **HOUSING FOR AN ION GENERATOR**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Dometic Sweden AB**, Solna (SE)

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(72) Inventors: **Anoop Muthu**, Kerala (IN);  
**Anna-Carin M. Neale**, Farsta (SE)

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(73) Assignee: **Dometic Sweden AB**, Solna (SE)

Registration Certificate issued in United Kingdom Application No. 6191421 mailed on Feb. 11, 2022.

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

(Continued)

(21) Appl. No.: **29/816,164**

*Primary Examiner* — Derrick E Holland

(22) Filed: **Nov. 19, 2021**

(74) *Attorney, Agent, or Firm* — Dinsmore & Shohl LLP

(57) **CLAIM**

The ornamental design for a housing for an ion generator, as shown and described.

**Related U.S. Application Data**

**DESCRIPTION**

(63) Continuation-in-part of application No. 29/803,390, filed on Aug. 12, 2021.

(51) **LOC (14) Cl.** ..... **13-01**

(52) **U.S. Cl.** ..... **D13/122**

USPC ..... **D13/122**

(58) **Field of Classification Search**

USPC ..... D13/112, 113, 114, 116, 118, 122, 184,  
D13/199; D21/834, 837; D23/207, 355,  
D23/356, 366

CPC ..... F16M 3/00; F02B 2063/045; F02B  
2063/046; F02B 63/04; F02B 63/042;  
F02B 63/048; E04H 15/36; E04H 15/58;  
E04H 15/425; H05K 5/02; H05K 5/03;  
H05K 5/10; H05K 5/0213; H05K 5/0226;  
H02K 3/24; H02K 3/47; F01N 1/083;  
F01N 1/084; H01T 23/00; A61L 9/22

See application file for complete search history.

FIG. 1 is a top perspective view of a first embodiment of a housing for an ion generator showing the new design; FIG. 2 is a bottom perspective view of the design of FIG. 1; FIG. 3 is a front view of the design of FIG. 1; FIG. 4 is a rear view of the design of FIG. 1; FIG. 5 is a first side view of the design of FIG. 1; FIG. 6 is a second side view of the design of FIG. 1; FIG. 7 is a top view of the design of FIG. 1; FIG. 8 is a bottom view of the design of FIG. 1; FIG. 9 is a top perspective view of a second embodiment of a housing for an ion generator showing the new design; FIG. 10 is a bottom perspective view of the design of FIG. 9; FIG. 11 is a front view of the design of FIG. 9; FIG. 12 is a rear view of the design of FIG. 9; FIG. 13 is a first side view of the design of FIG. 9; FIG. 14 is a second side view of the design of FIG. 9; FIG. 15 is a top view of the design of FIG. 9; and, FIG. 16 is a bottom view of the design of FIG. 9.

The broken lines shown represent the portions of the housing for an ion generator that form no part of the claimed design.

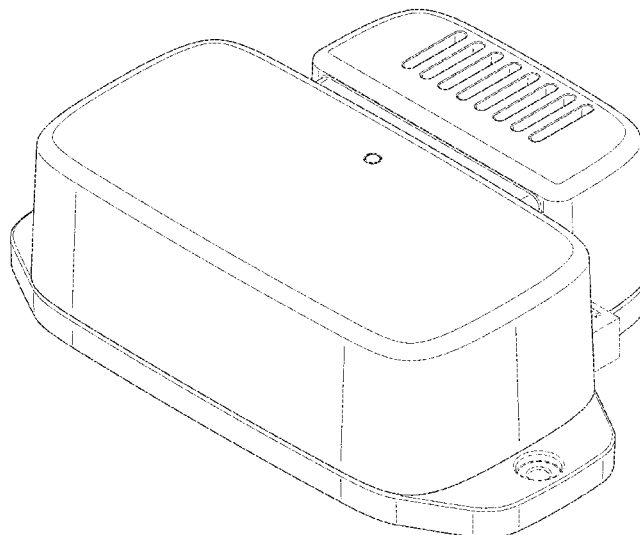
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**1 Claim, 16 Drawing Sheets**



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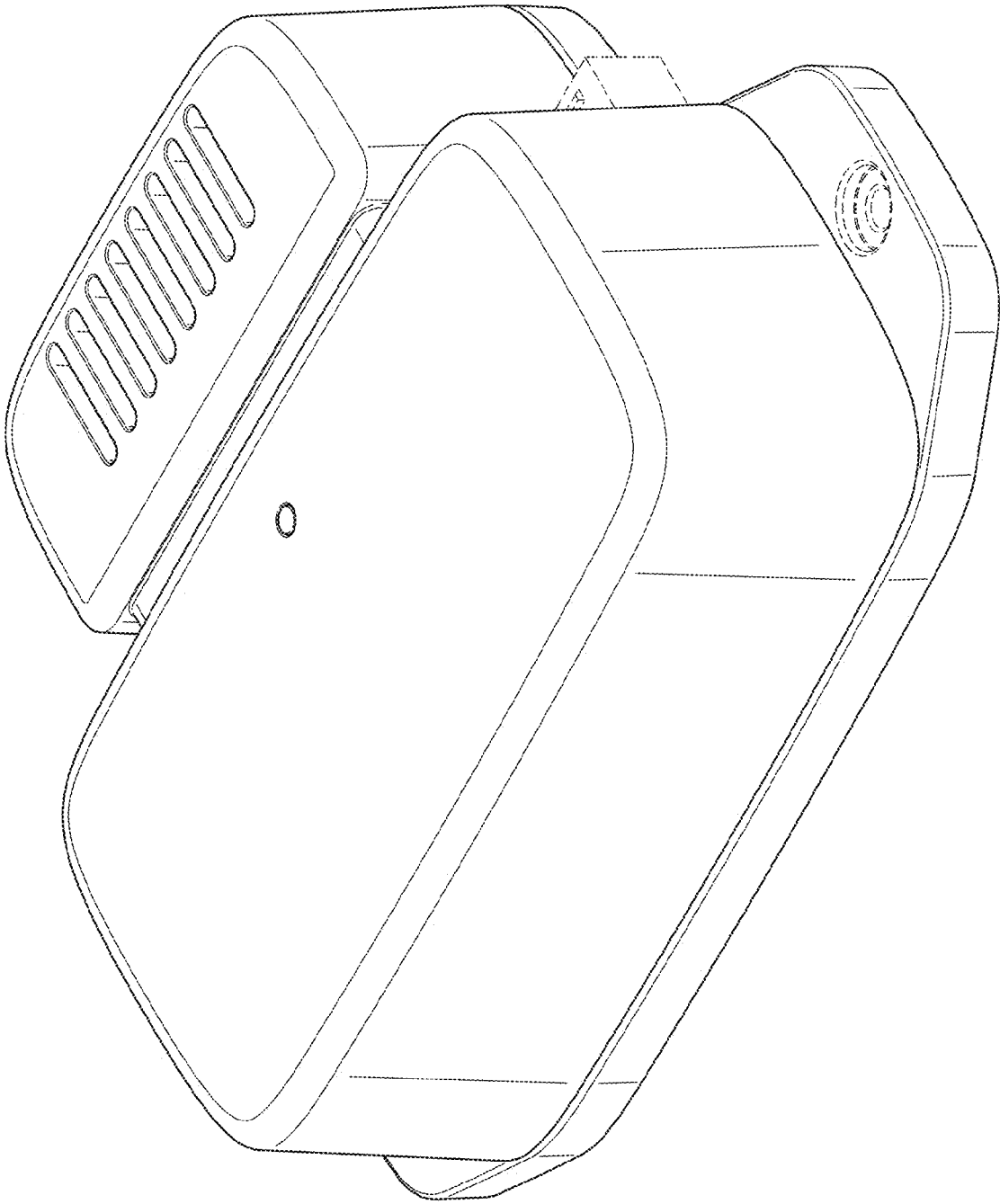


FIG. 1

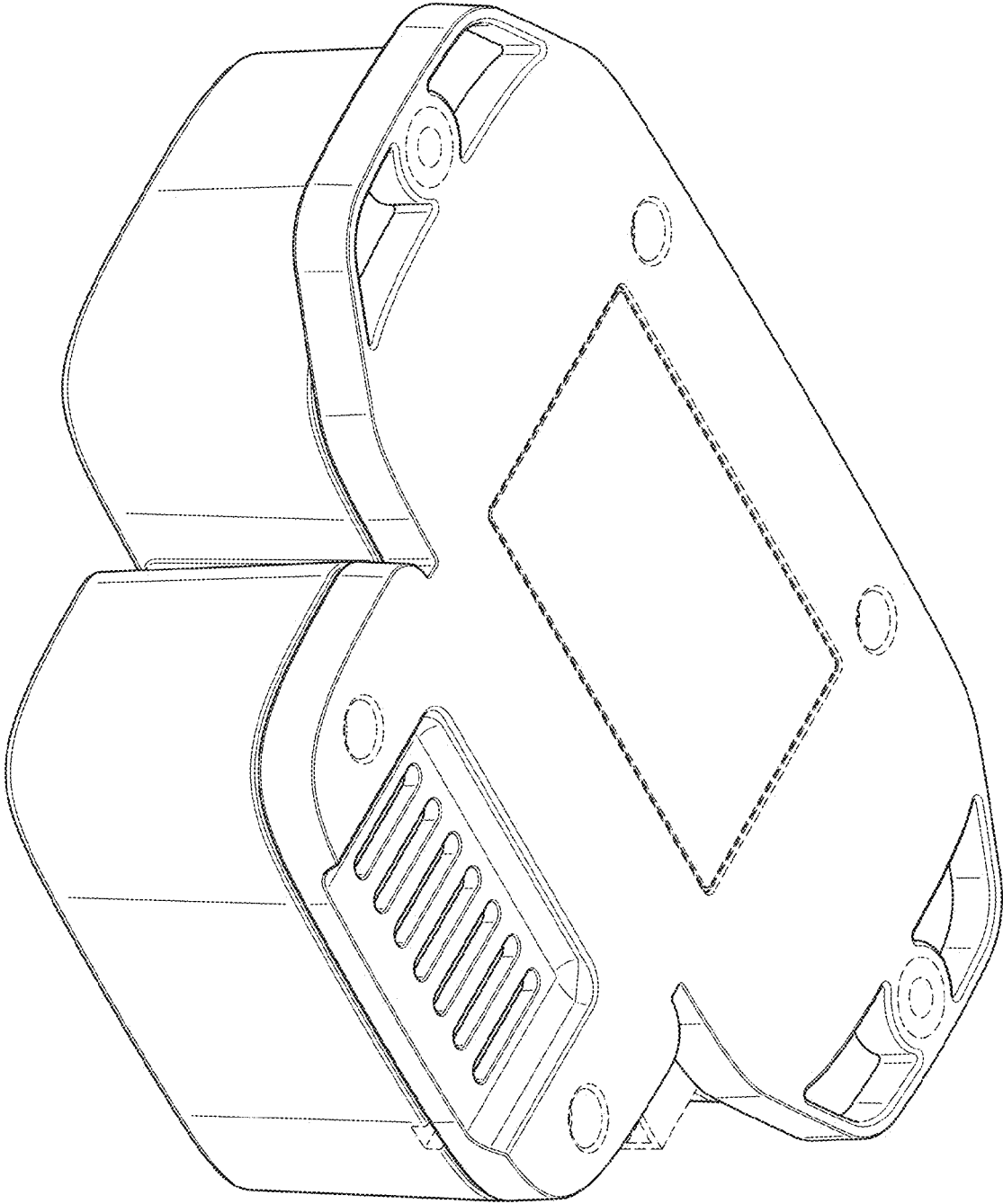


FIG. 2

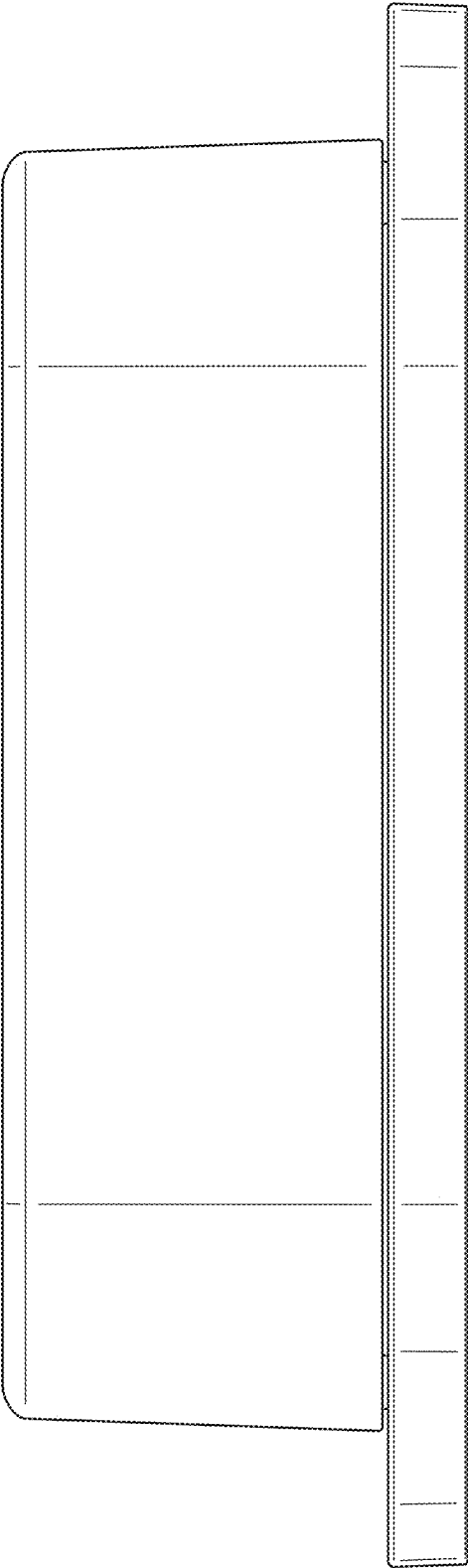


FIG. 3

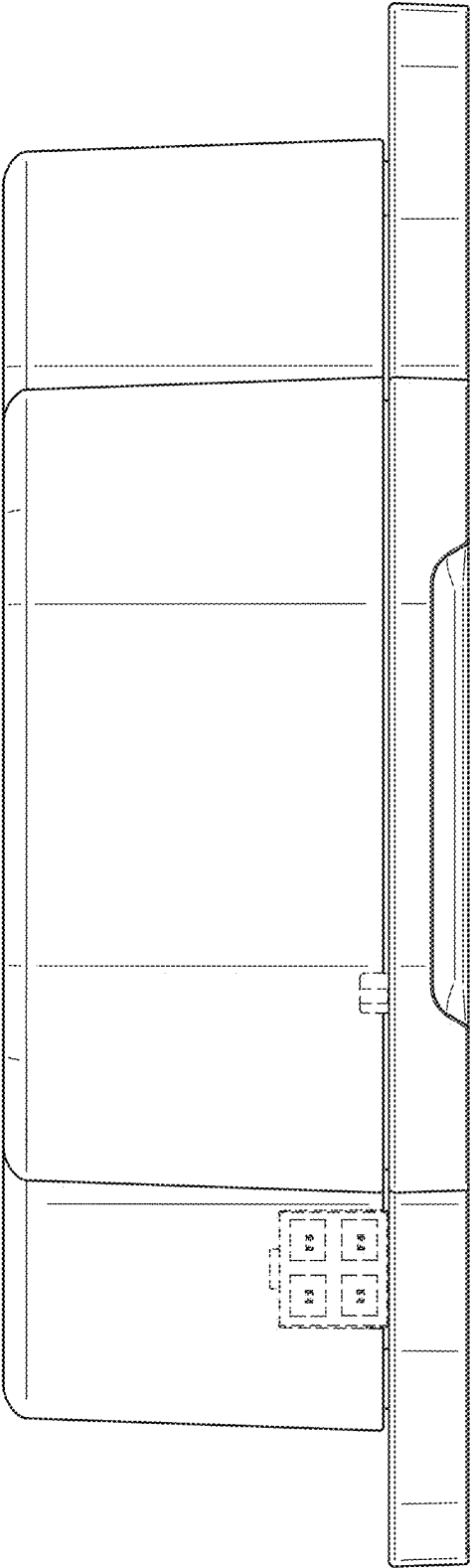


FIG. 4

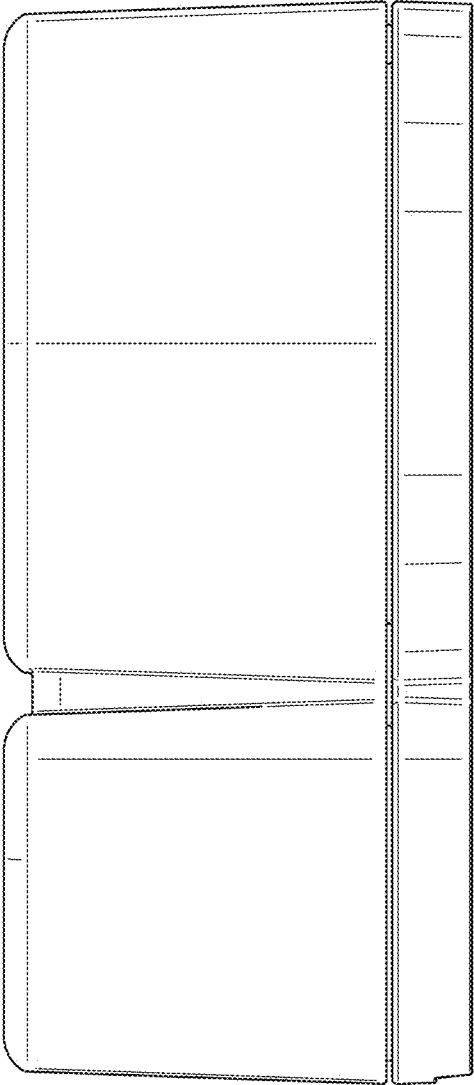


FIG. 5

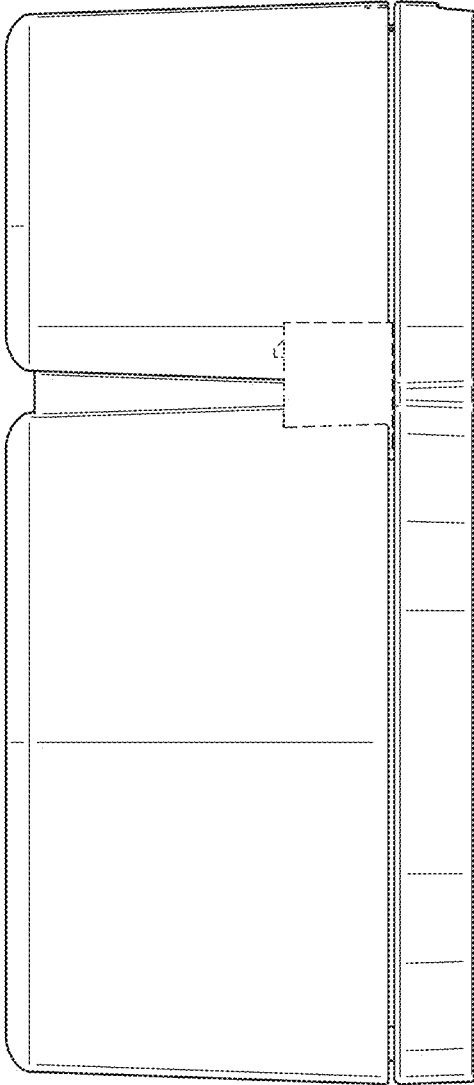


FIG. 6

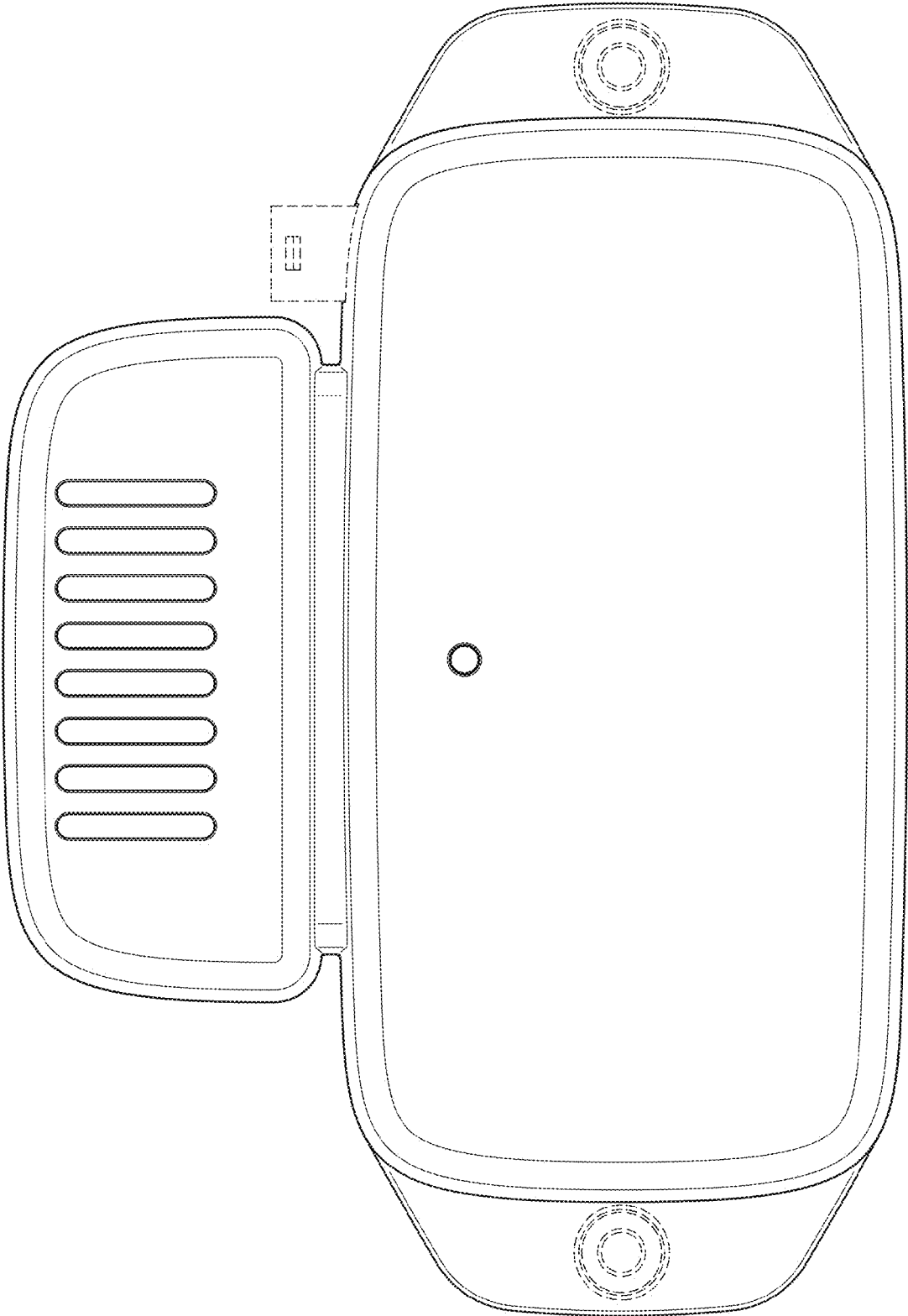


FIG. 7

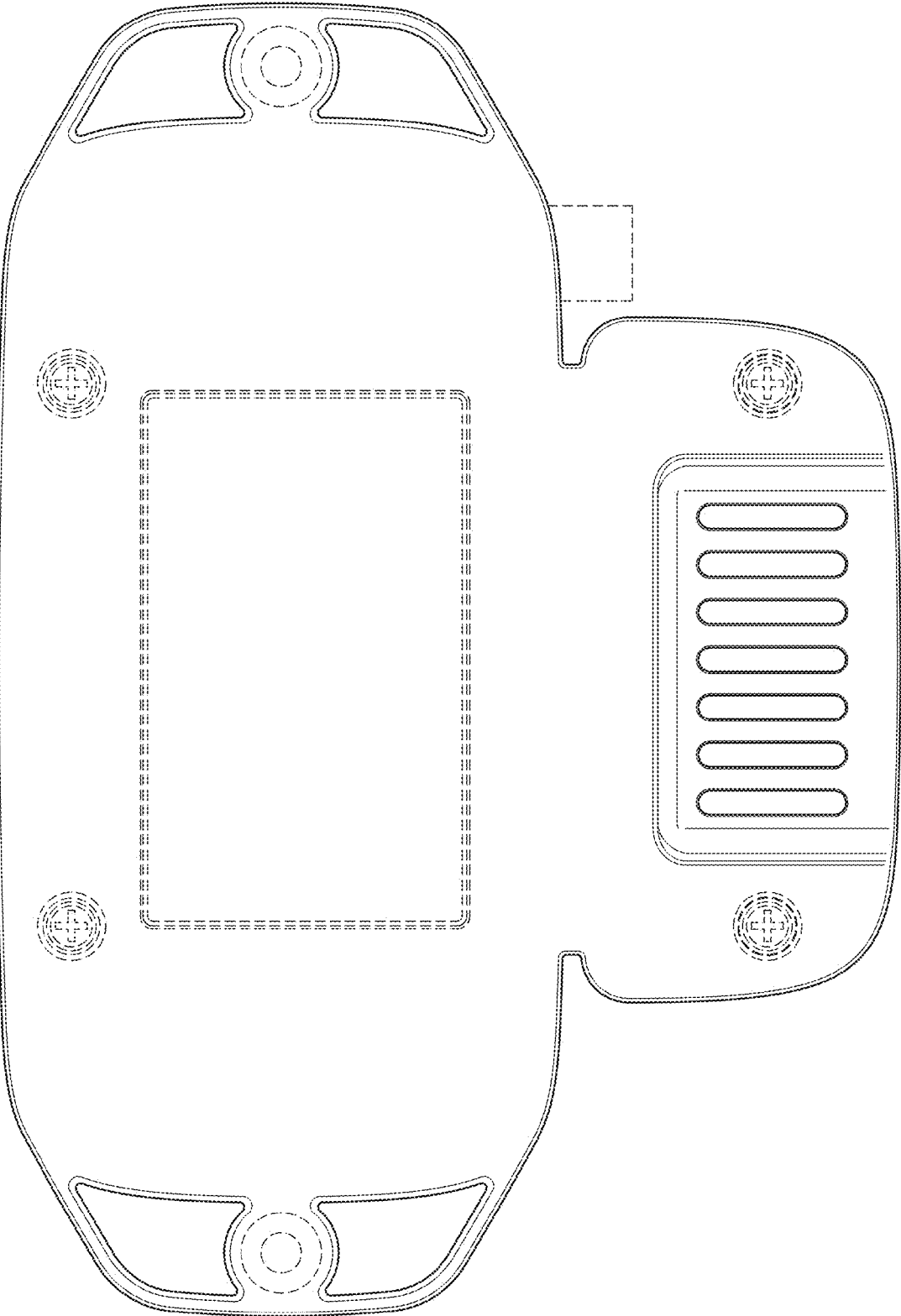


FIG. 8

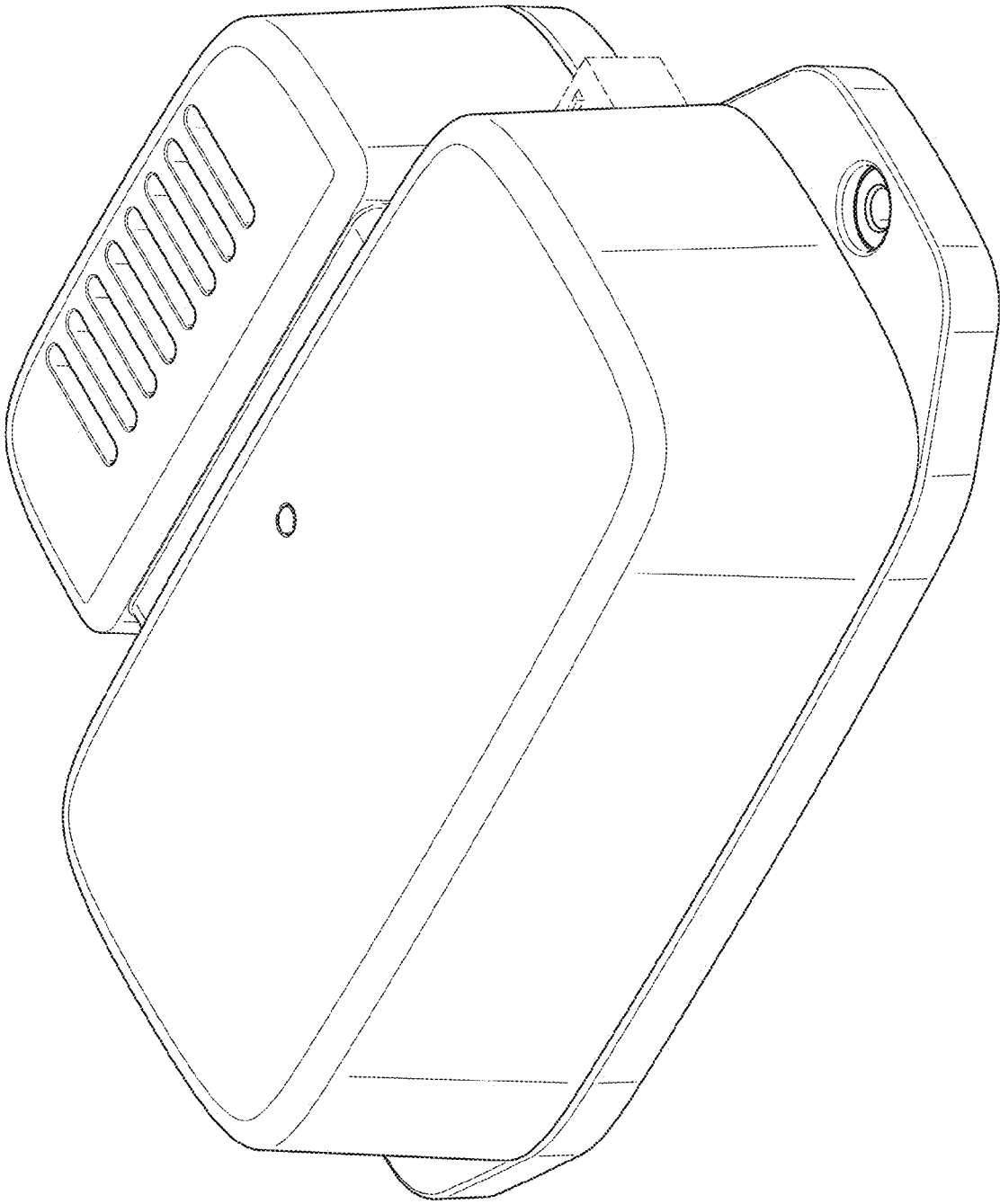


FIG. 9

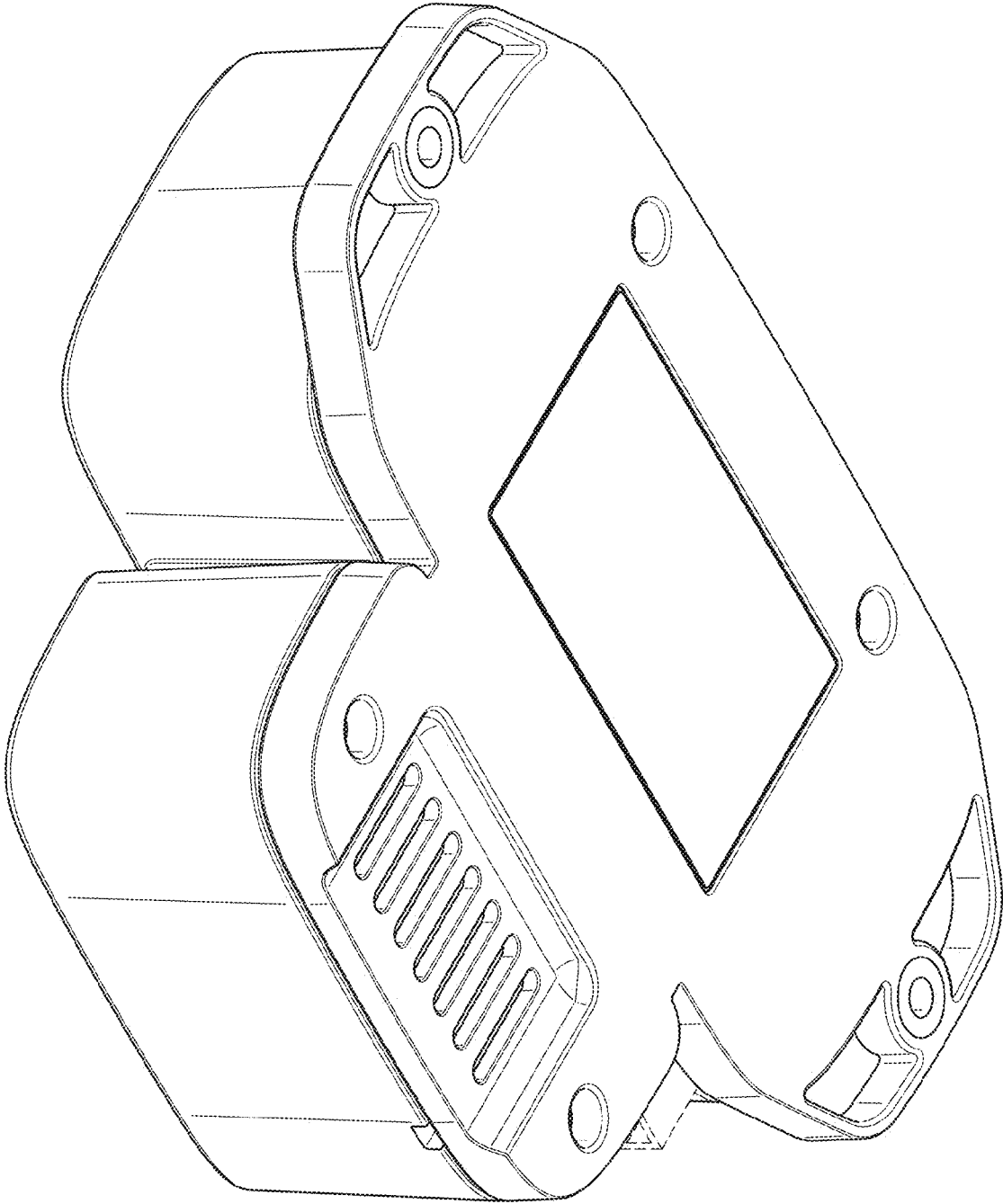


FIG. 10

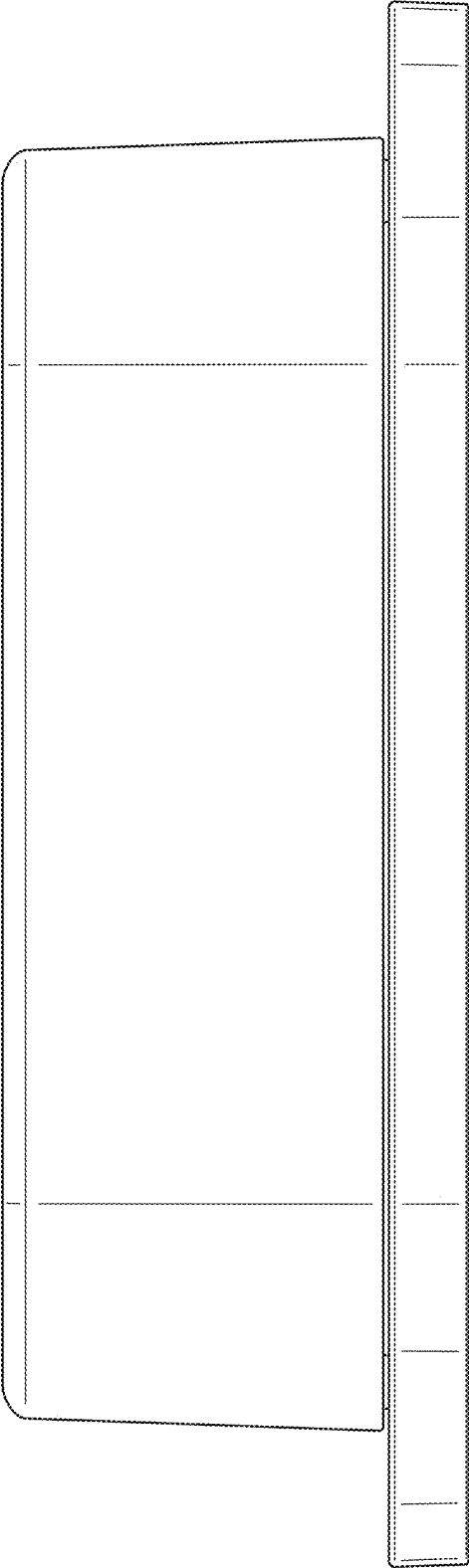


FIG. 11

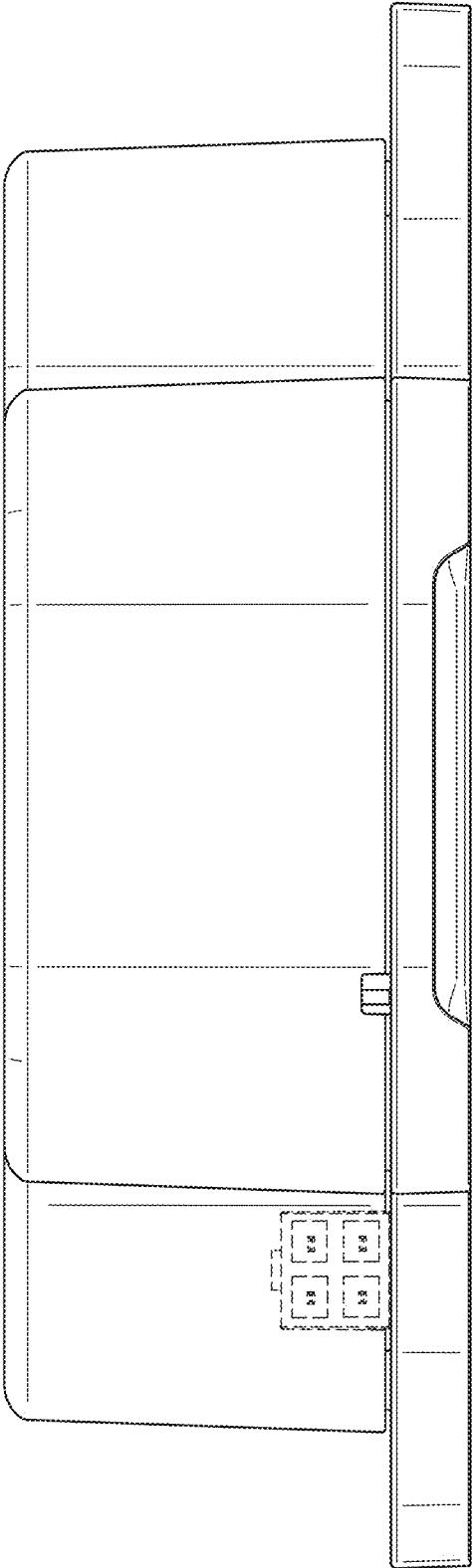


FIG. 12

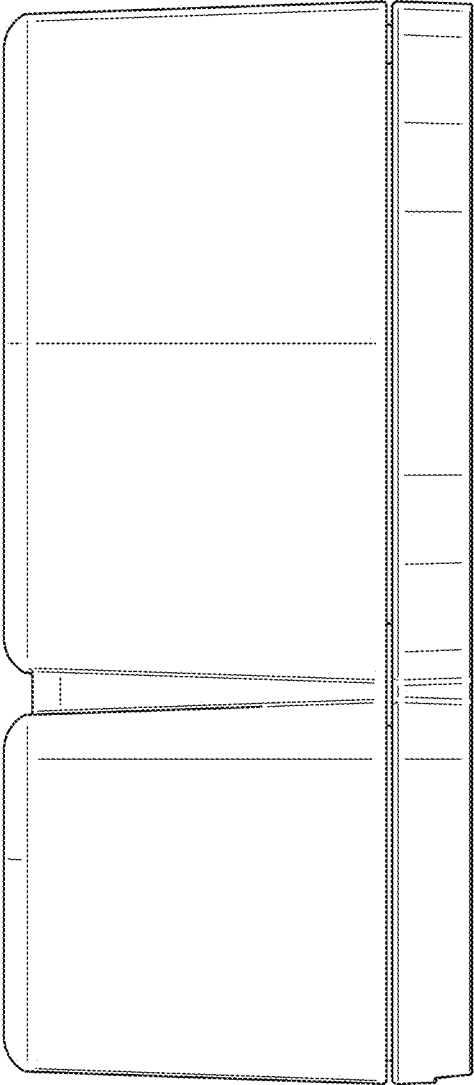


FIG. 13

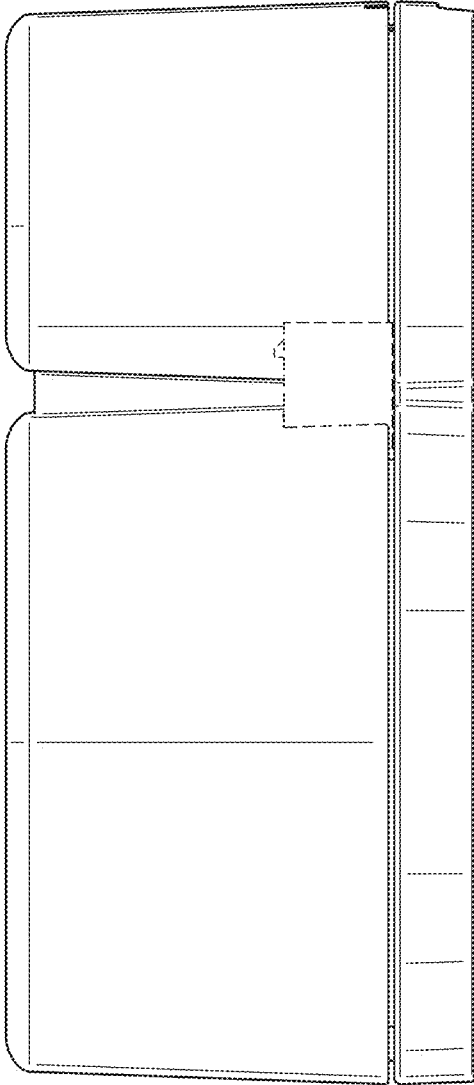


FIG. 14

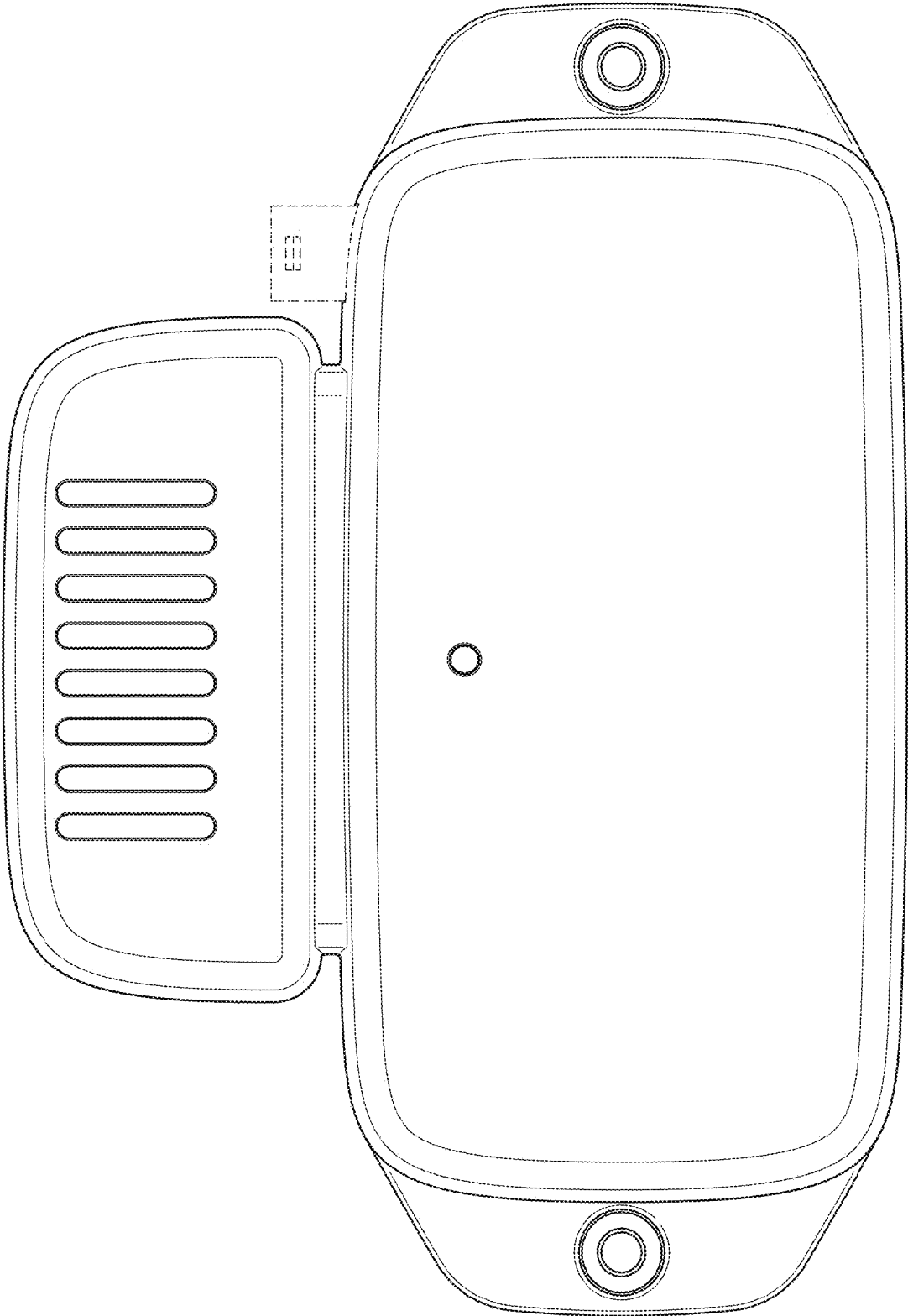


FIG. 15

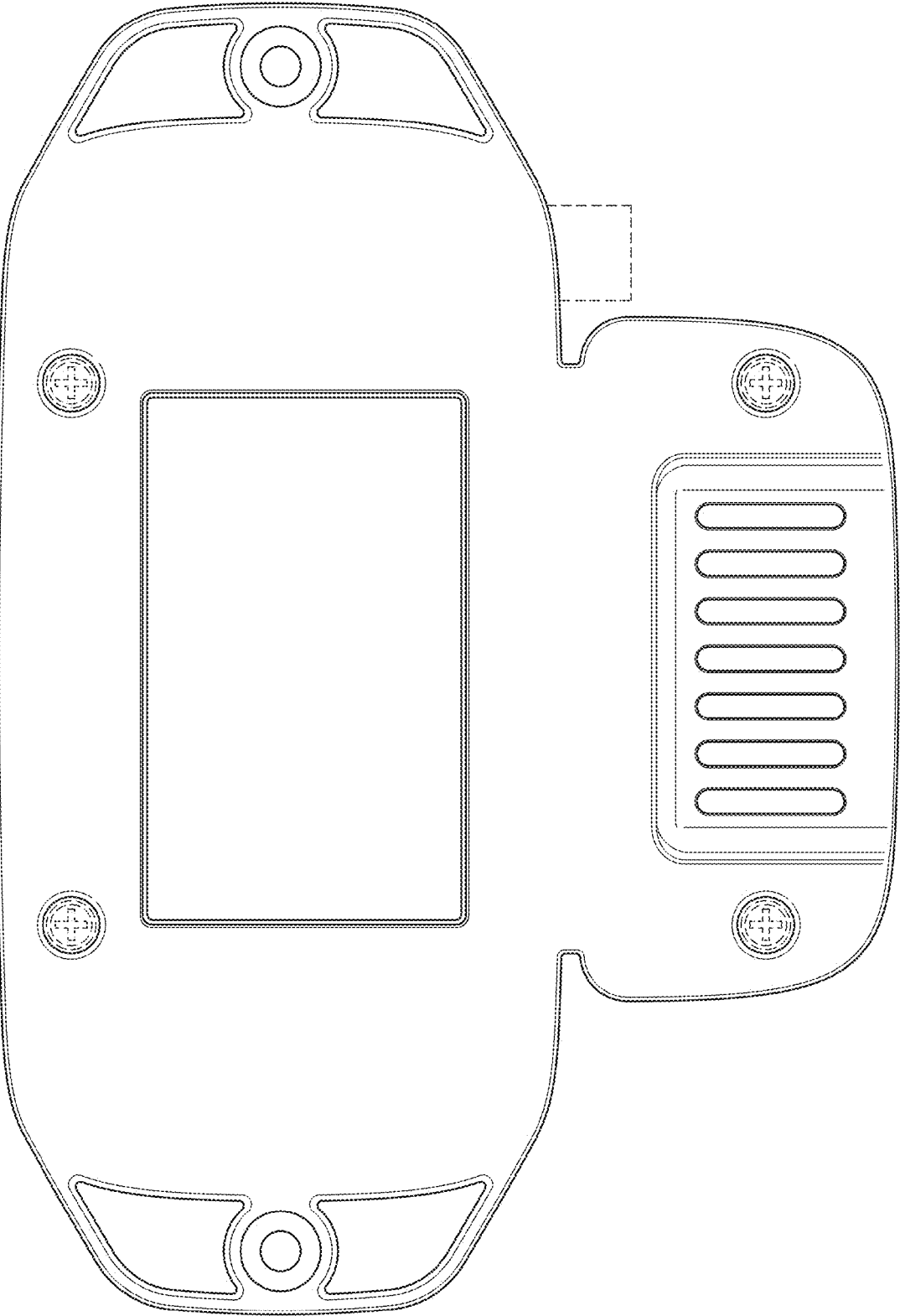


FIG. 16