



US00D877875S

(12) **United States Design Patent** (10) **Patent No.:** **US D877,875 S**  
**Shin et al.** (45) **Date of Patent:** **\*\* Mar. 10, 2020**

(54) **AIR PURIFIER**

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(73) Assignee: **Samsung Electronics Co., Ltd.**,  
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Youtube.com, Introducing Samsung Cube: Modular Air Purifier with IoT(KR), Feb. 2, 2018, <https://www.youtube.com/watch?v=KXYWjGoLzo4> (Year: 2018).\*

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

*Primary Examiner* — Nathan M Johnston  
(74) *Attorney, Agent, or Firm* — NSIP Law

(21) Appl. No.: **29/654,435**

(57) **CLAIM**

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

We claim the ornamental design for an air purifier, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Jan. 4, 2018 (KR) ..... 30-2018-0000757

(51) **LOC (12) Cl.** ..... **23-04**

(52) **U.S. Cl.**  
USPC ..... **D23/364**

(58) **Field of Classification Search**  
USPC ..... D23/355-366, 352, 369, 332, 333, 335,  
D23/336, 342, 351; 422/120, 122;  
55/356, 473, 504; 96/97; D14/188, 170,  
D14/172; 261/DIG. 17, DIG. 65,  
261/DIG. 88, DIG. 31; D18/34.6  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D  
47/027; B01D 2221/02; B01D 2259/4508;  
B03C 3/155; B03C 3/368; F24F 3/16;  
F24F

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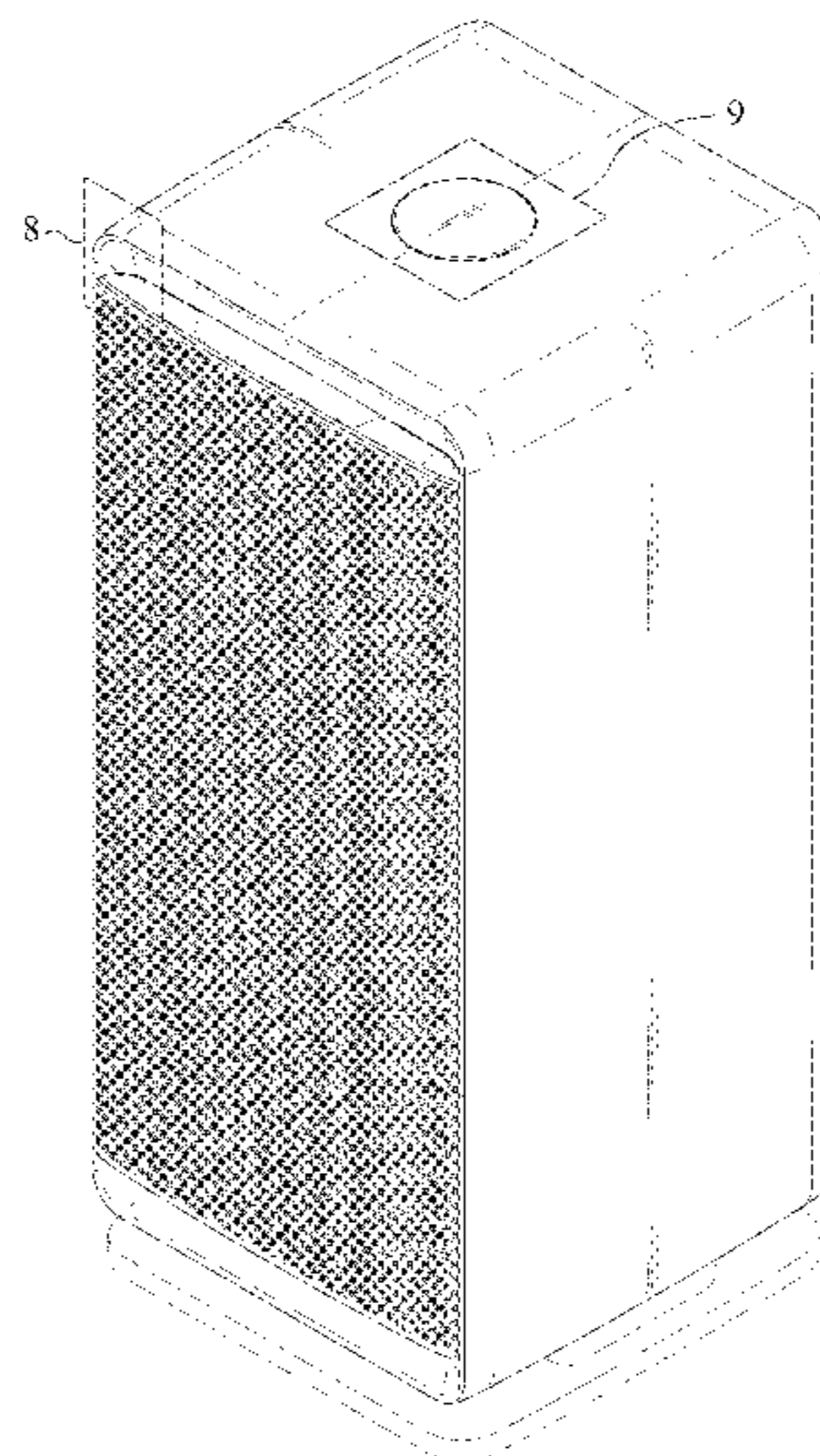
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FIG. 1 is a front perspective view of an air purifier showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left-side view thereof;  
FIG. 5 is a right-side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is an enlarged view of the encircled portion in FIG. 1;  
FIG. 9 is an enlarged view of the encircled portion in FIG. 1;  
FIG. 10 is an enlarged view of the encircled portion in FIG. 4; and,  
FIG. 11 is an enlarged view of the encircled portion in FIG. 4.

The evenly spaced broken lines in the figures depict portions of the air purifier which form no part of the claimed design. The uneven dot-dash broken lines encircling portions of the claimed design that are illustrated in enlargements form no part of the claimed design.

**1 Claim, 11 Drawing Sheets**



(58) **Field of Classification Search**  
 CPC ..... 13/20; F24F 13/28; F24F 3/1405; F24F  
 3/1603; F24F 13/222  
 See application file for complete search history.

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FIG. 1

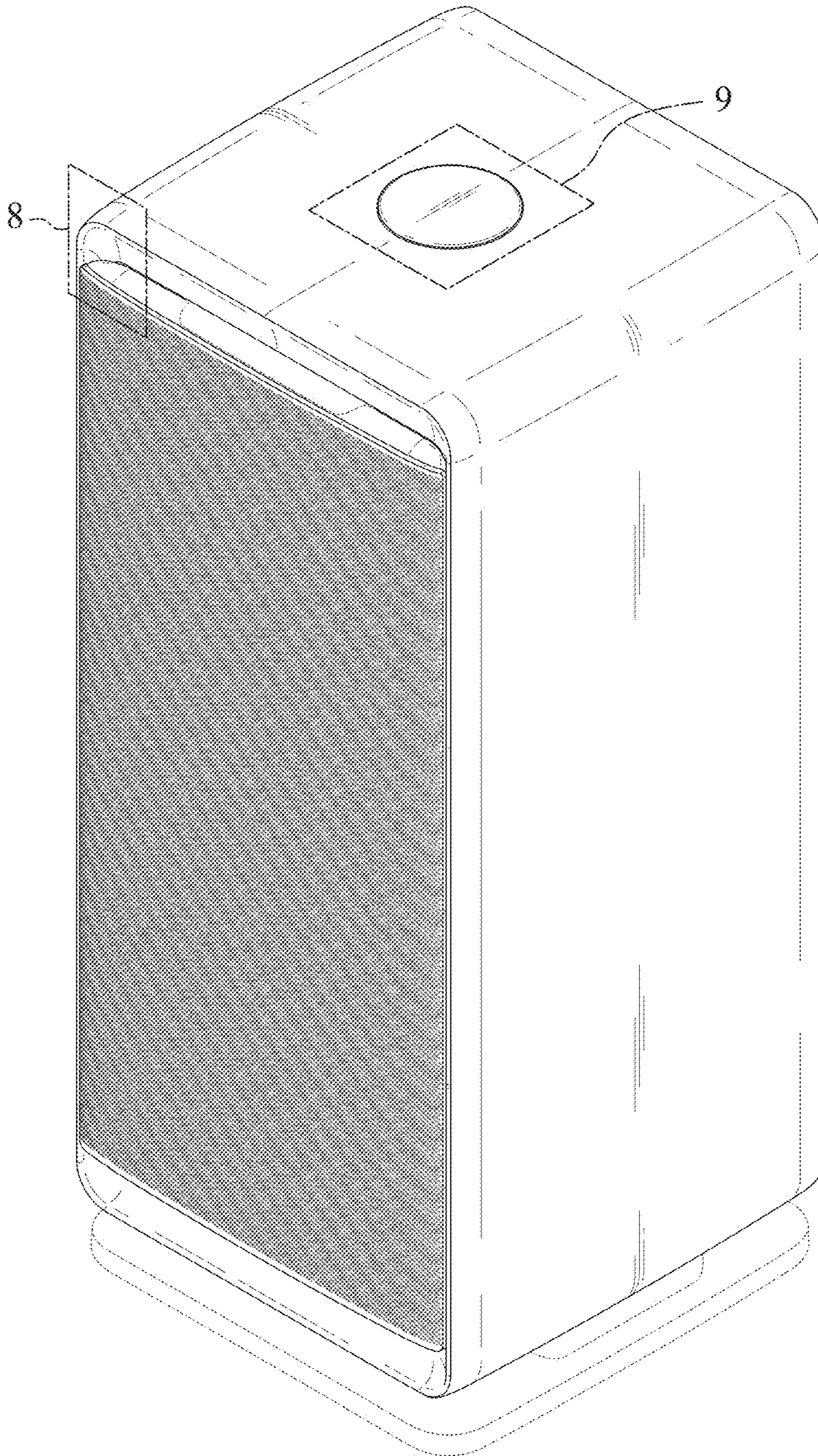


FIG. 2

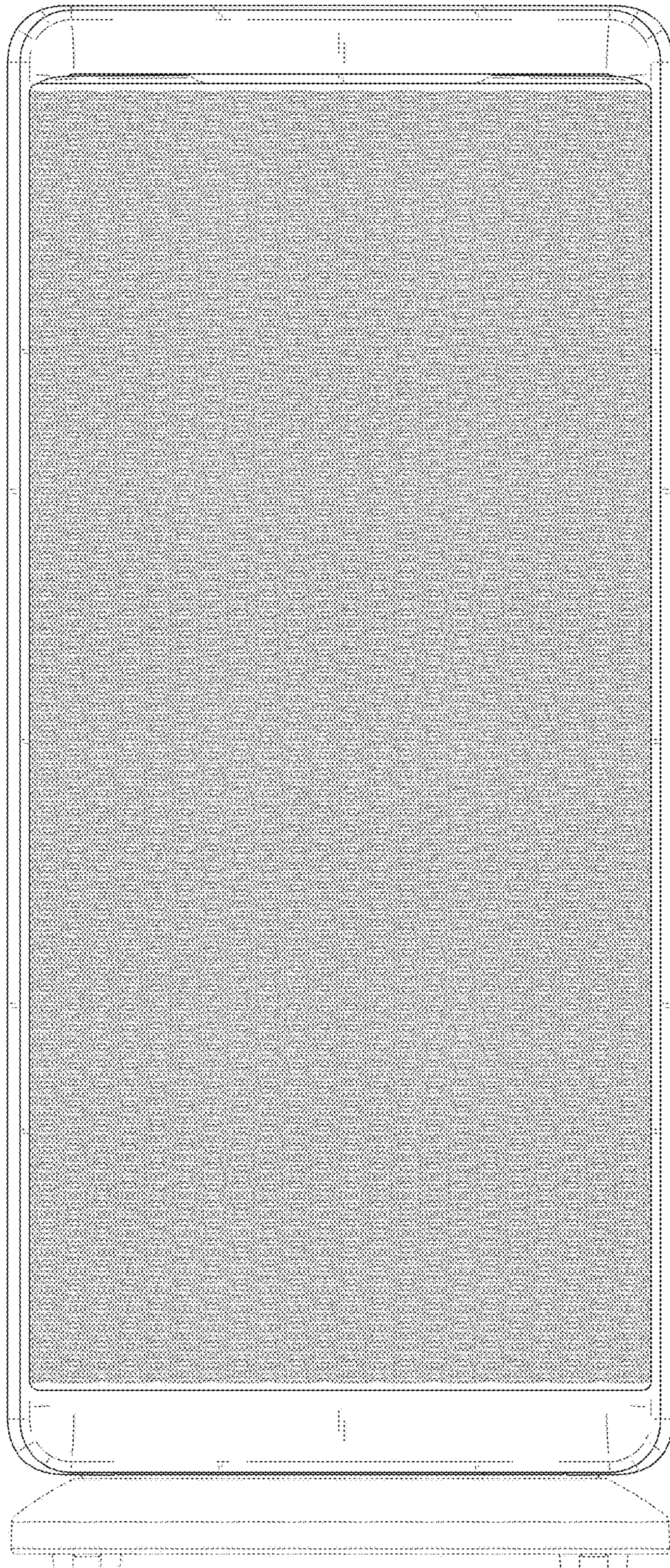


FIG. 3

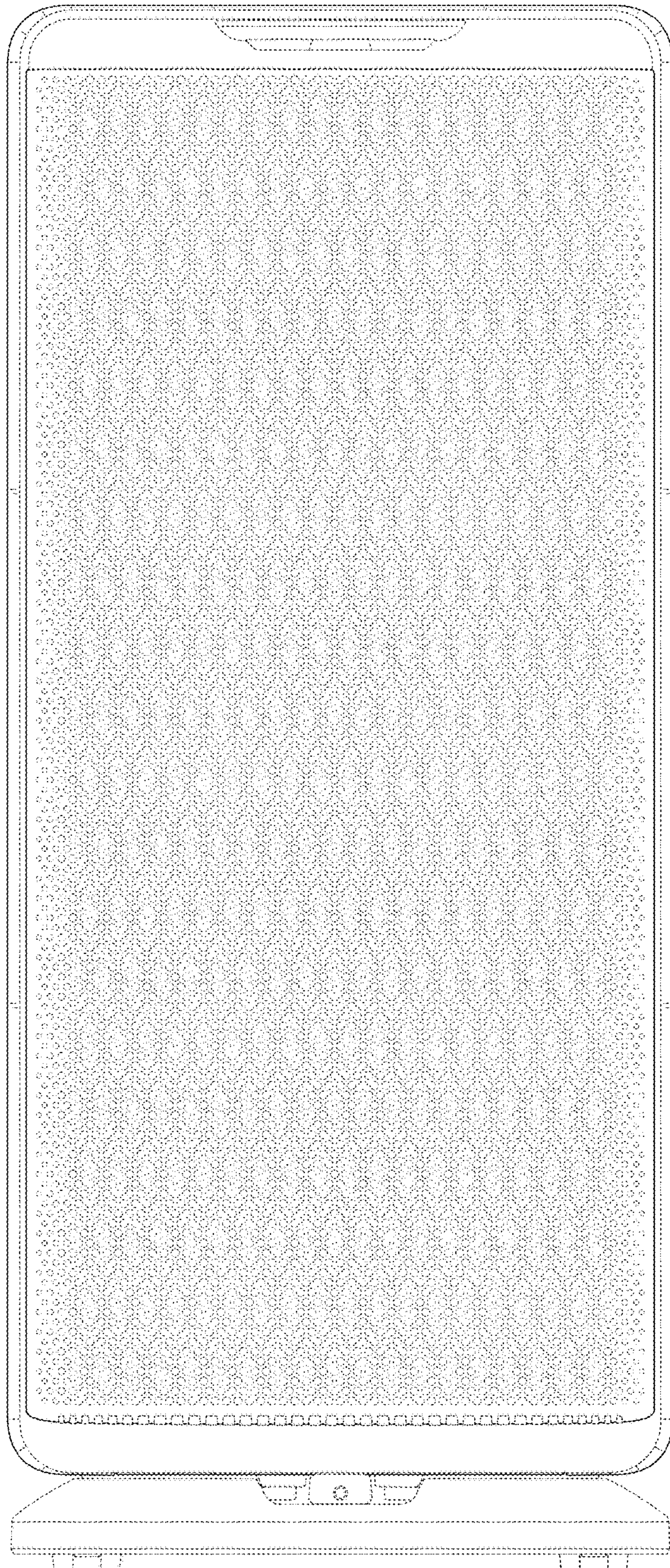


FIG. 4

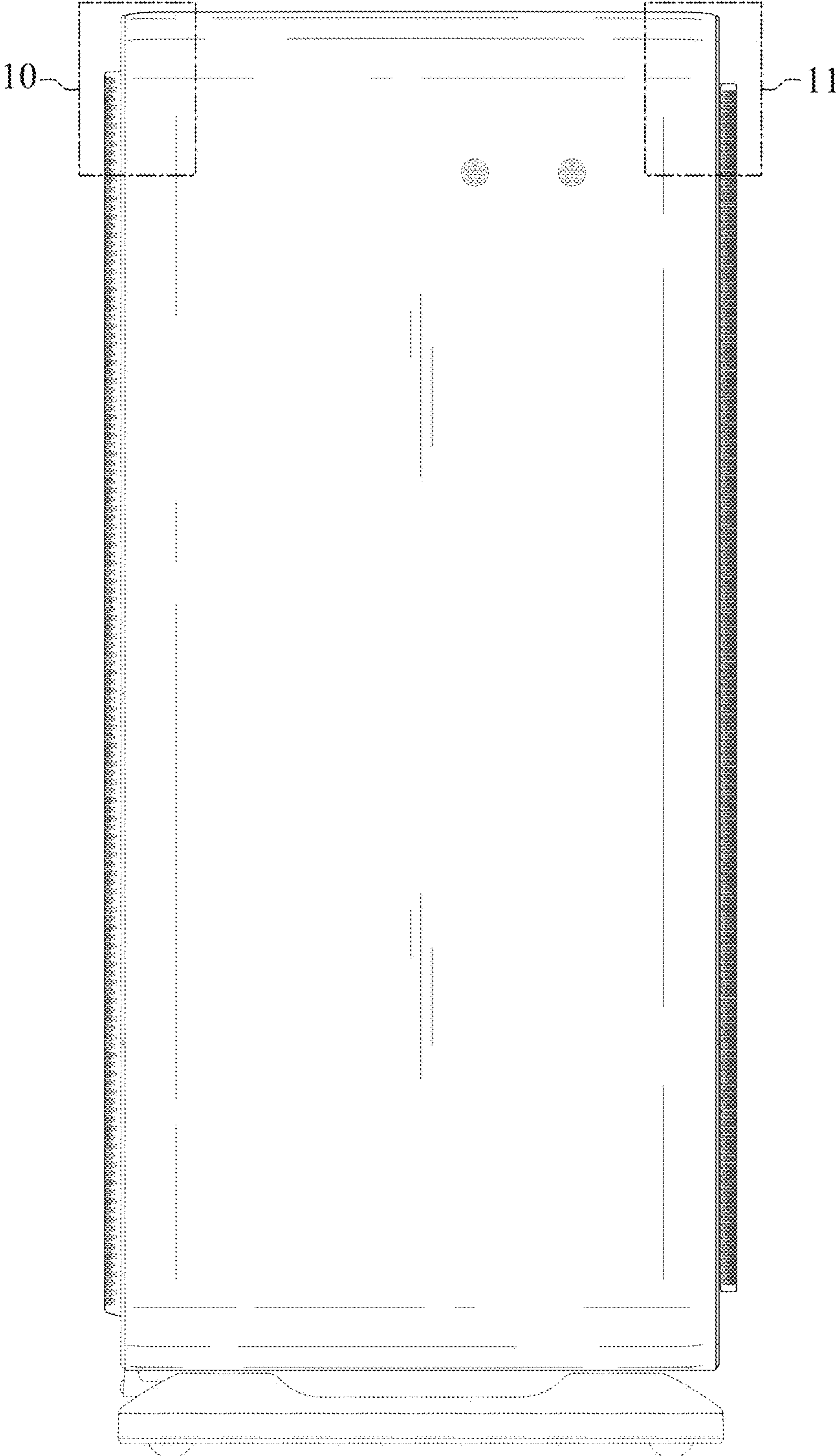


FIG. 5

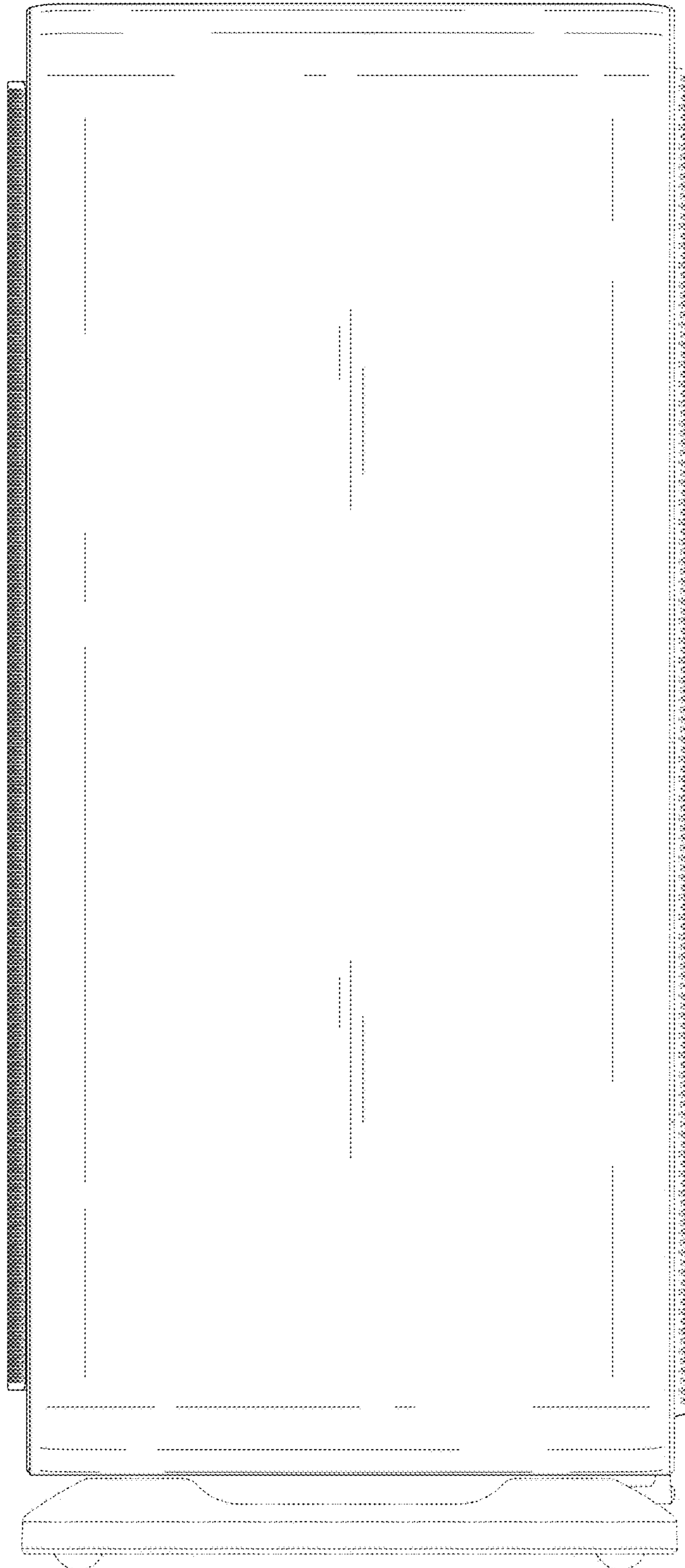


FIG. 6

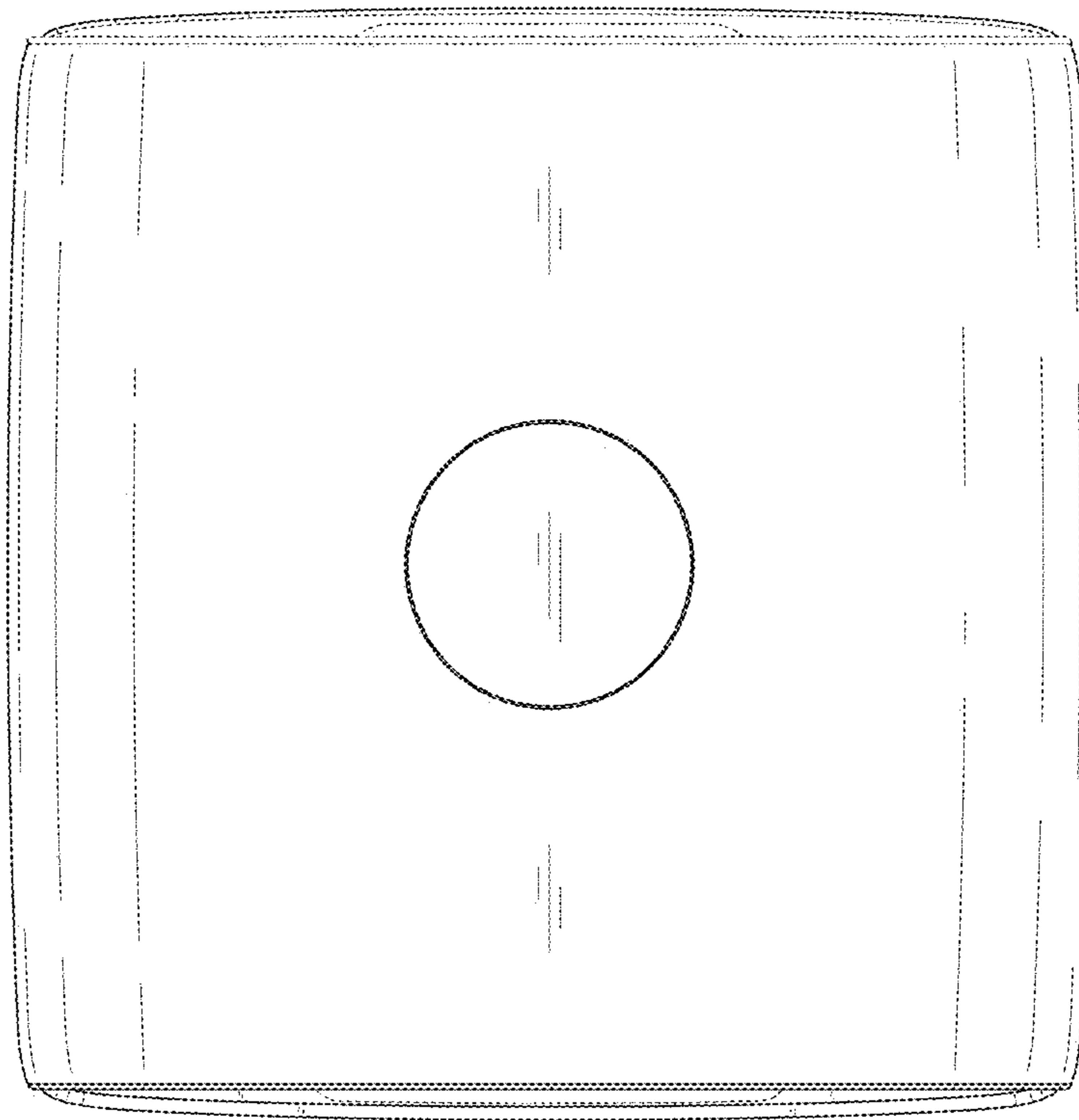




FIG. 7

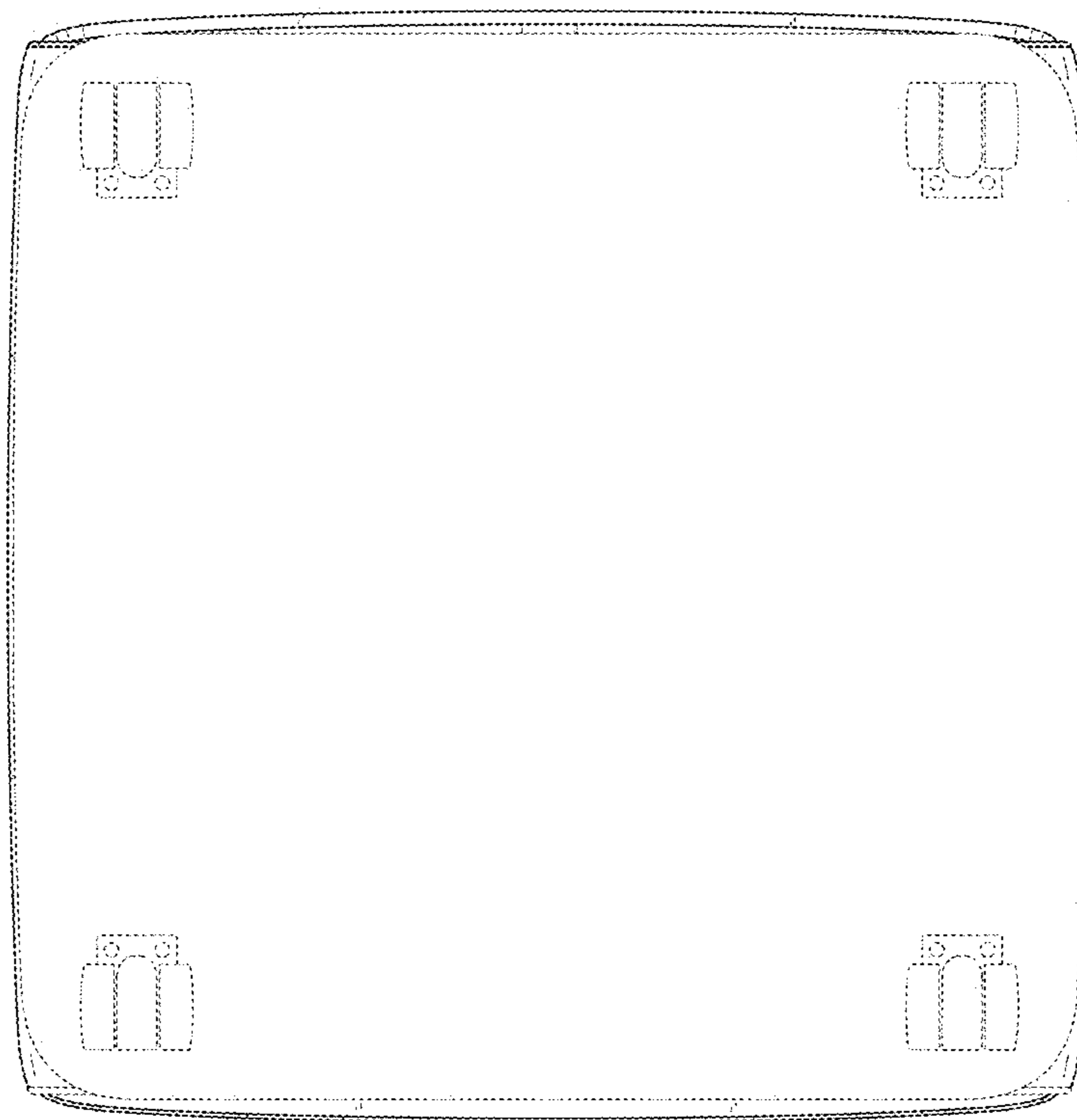


FIG. 8

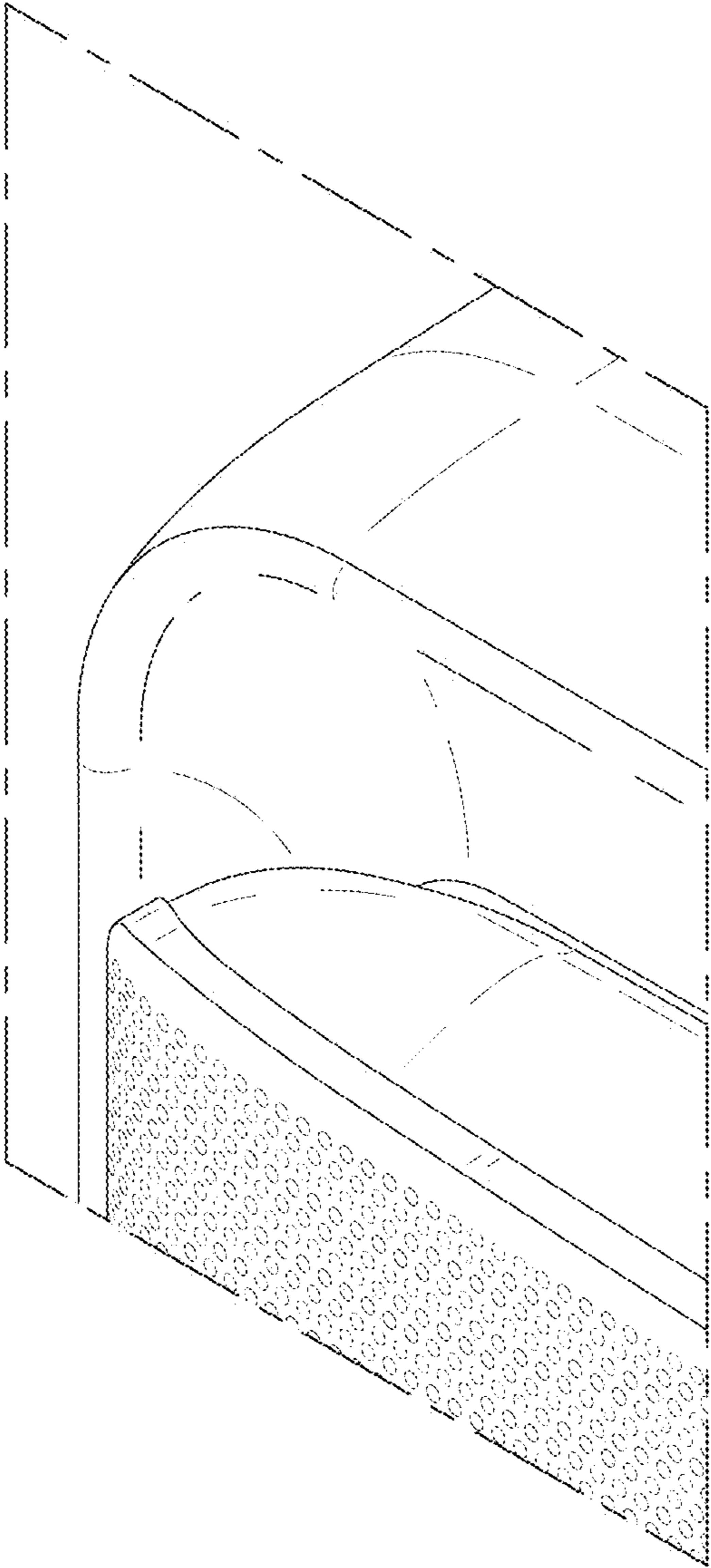


FIG. 9

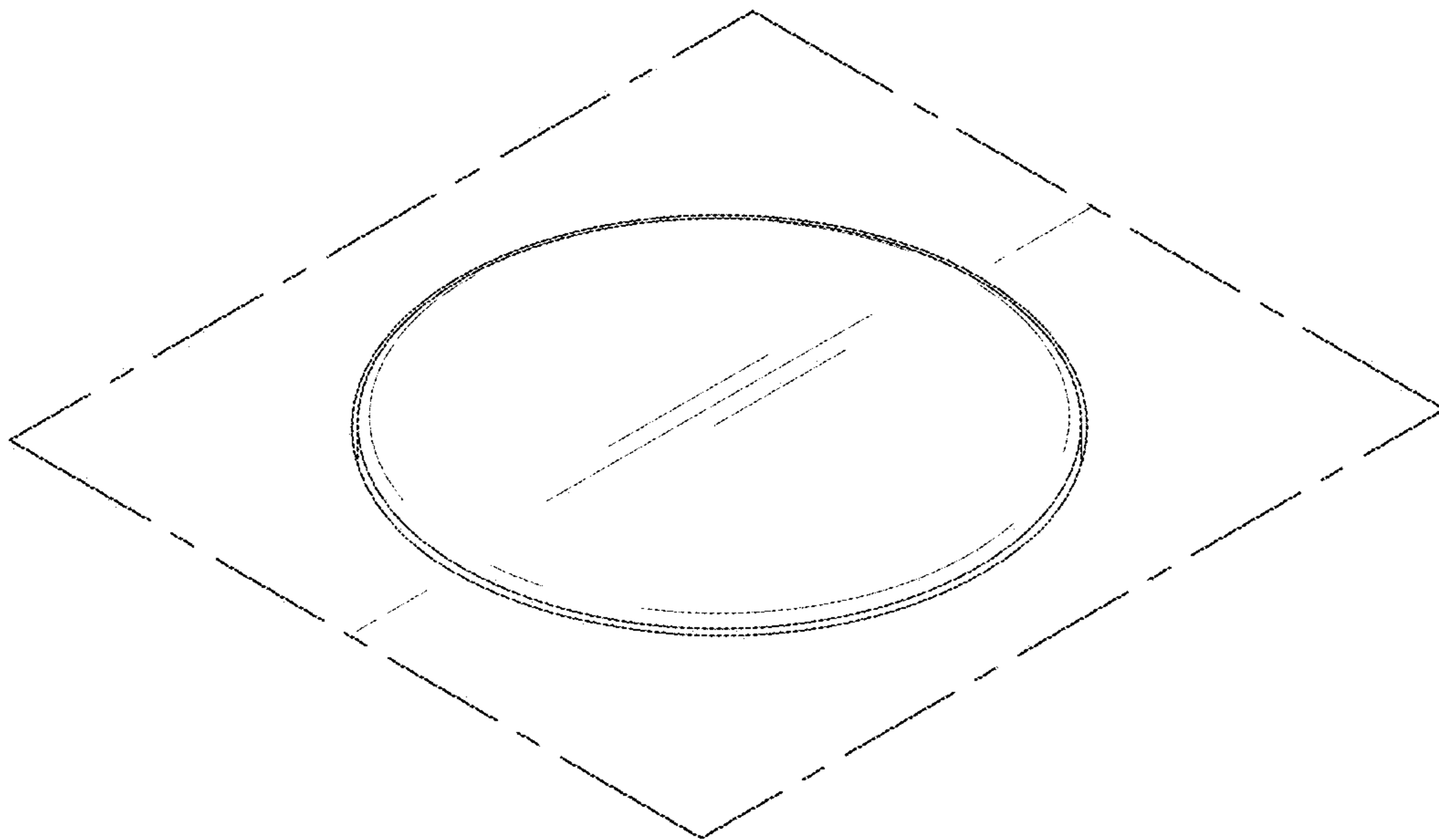


FIG. 10

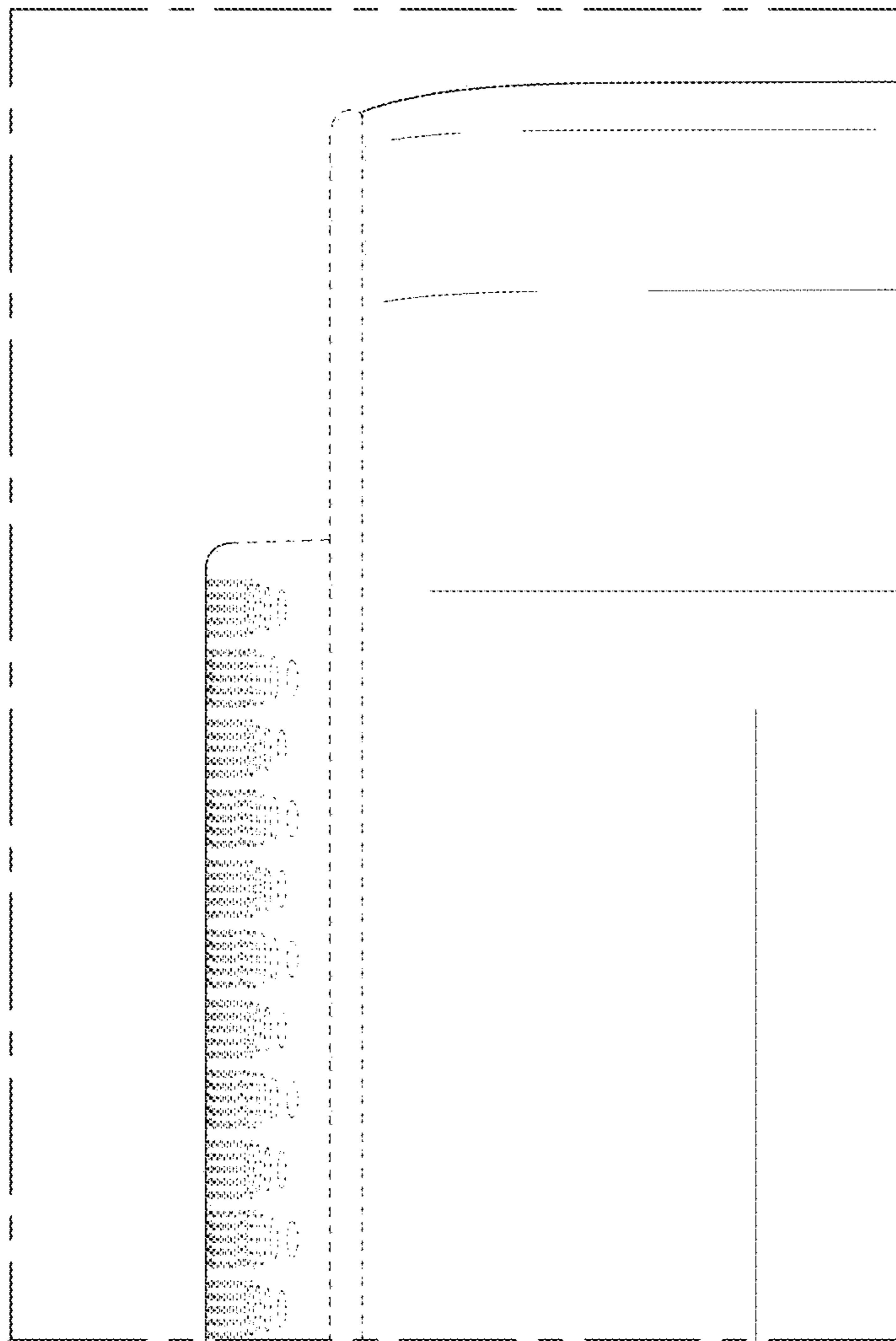


FIG. 11

