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

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(45) **Date of Patent:** **\*\* Apr. 12, 2022**

(54) **AIR PURIFIER**

(71) Applicant: **Shenzhen Puremate Technology Co., Ltd.**, Shenzhen (CN)

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

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(30) **Foreign Application Priority Data**

Aug. 14, 2019 (CN) ..... 201930441296.4

(51) **LOC (13) 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; 261/DIG. 17, 261/DIG. 65, DIG. 88, DIG. 31  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D 47/027; B01D 2221/02; B01D 2259/4508;

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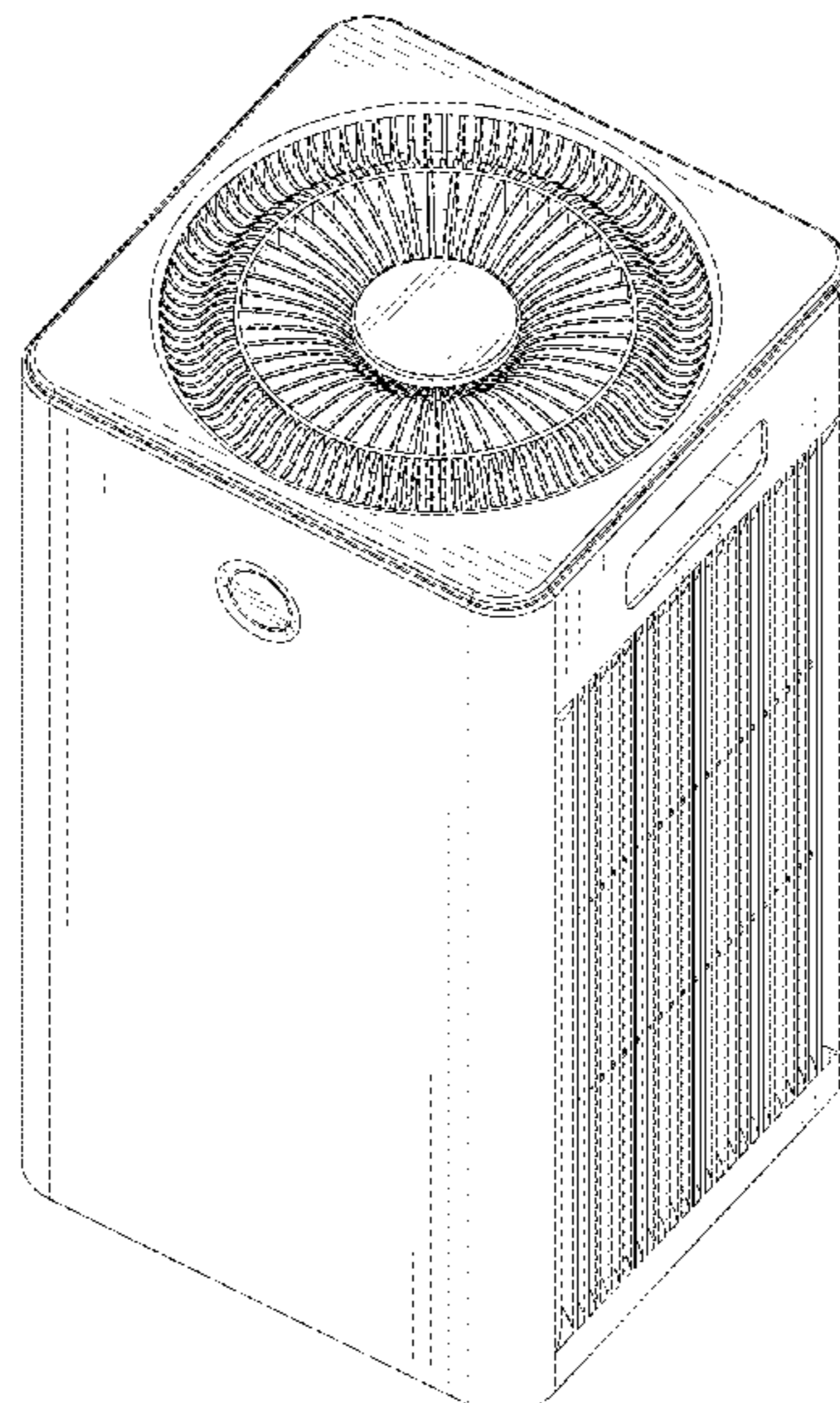
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front elevational view of a first embodiment of an air purifier showing our new design; FIG. 2 is a rear elevational view of the first embodiment thereof; FIG. 3 is a left side view of the first embodiment thereof; FIG. 4 is a right side view of the first embodiment thereof; FIG. 5 is a top plan view of the first embodiment thereof; FIG. 6 is a bottom plan view of the first embodiment thereof; FIG. 7 is a top, front and right side perspective view of the first embodiment thereof; FIG. 8 is a sectional view along the section line 8-8 of FIG. 3; FIG. 9 is a front elevational view of a second embodiment of the air purifier showing our new design; FIG. 10 is a rear elevational view of the second embodiment thereof; FIG. 11 is a left side view of the second embodiment thereof; FIG. 12 is a right side view of the second embodiment thereof; FIG. 13 is a top plan view of the second embodiment thereof; FIG. 14 is a bottom plan view of the second embodiment thereof; FIG. 15 is a top, front and right side perspective view of the second embodiment thereof; and, FIG. 16 is a sectional view along the section line 16-16 of FIG. 11. The evenly broken lines in the drawings illustrate portions of the article that form no part of the claim.

**1 Claim, 16 Drawing Sheets**



(58) **Field of Classification Search**

CPC .. B03C 3/155; B03C 3/368; F24F 3/16; F24F  
13/20; F24F 13/28; F24F 2001/0096  
See application file for complete search history.

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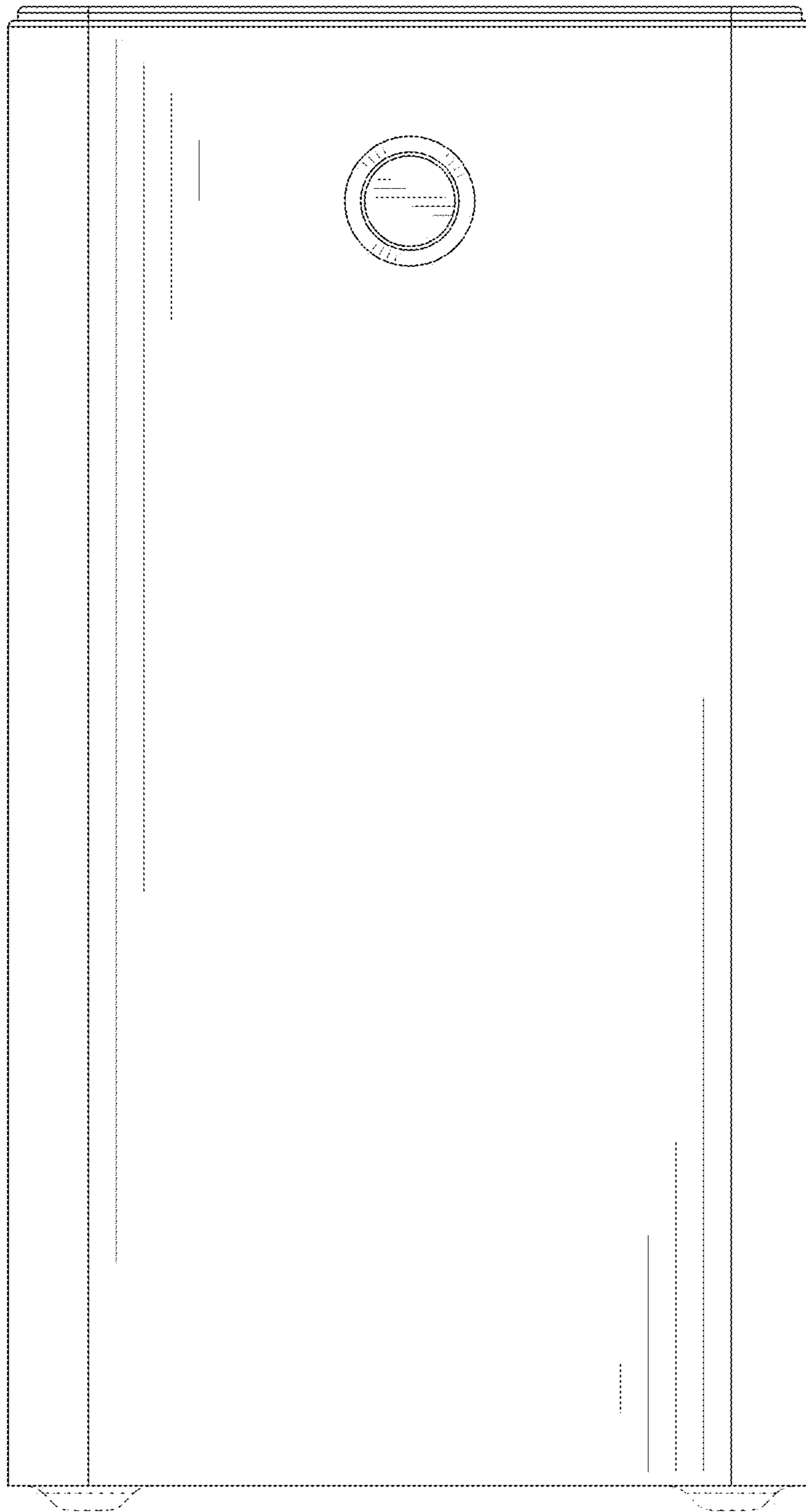


FIG. 1

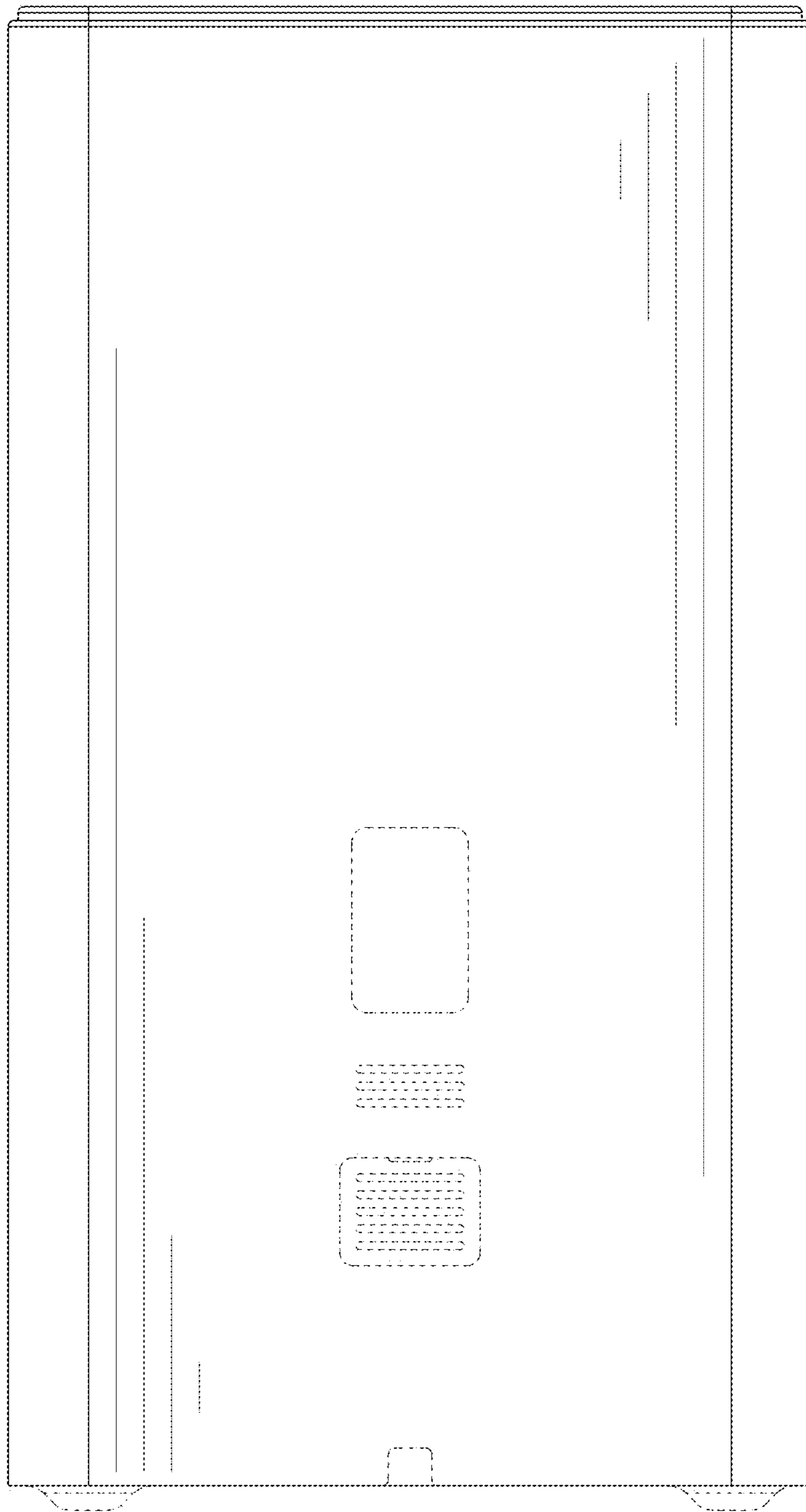


FIG. 2

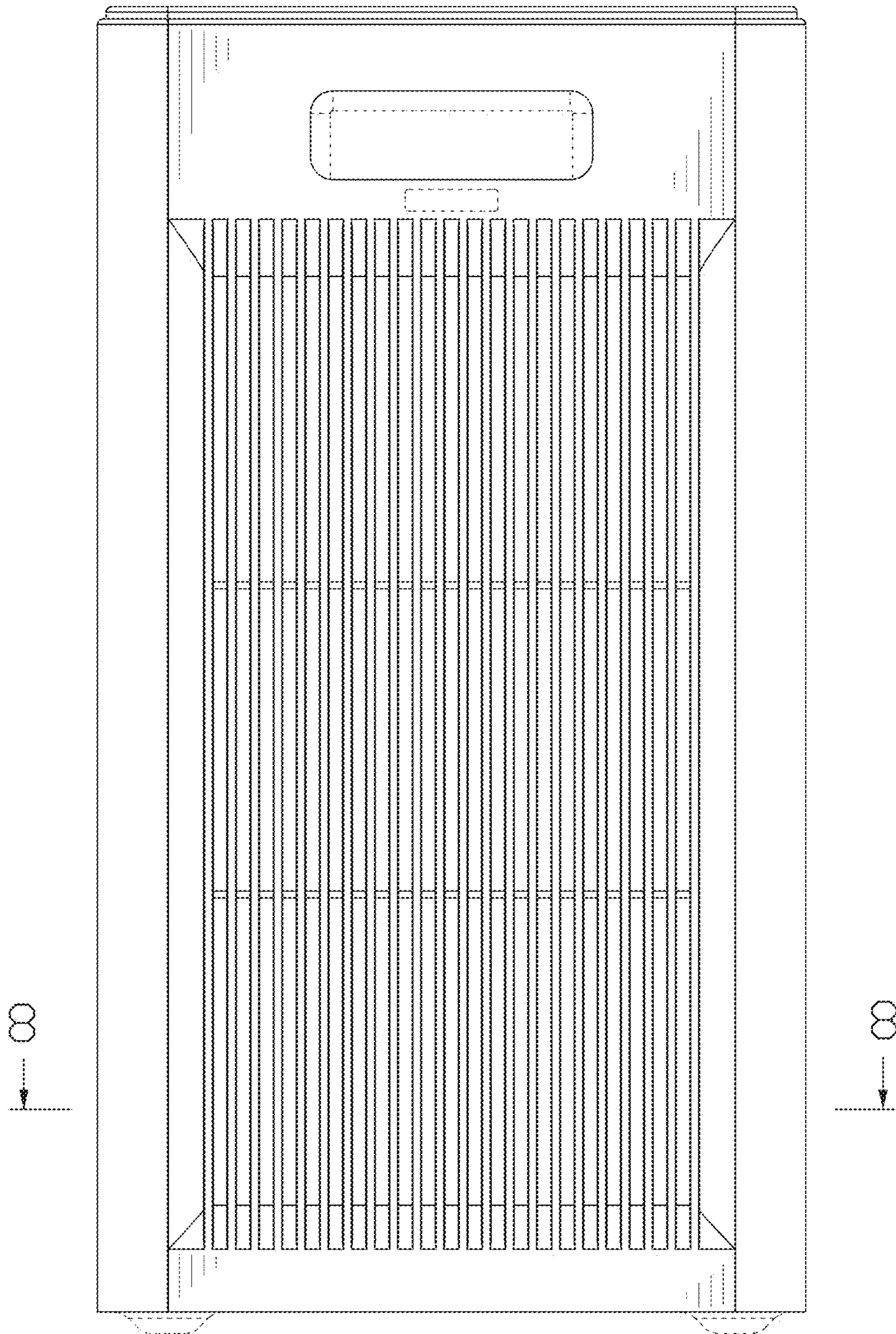


FIG. 3

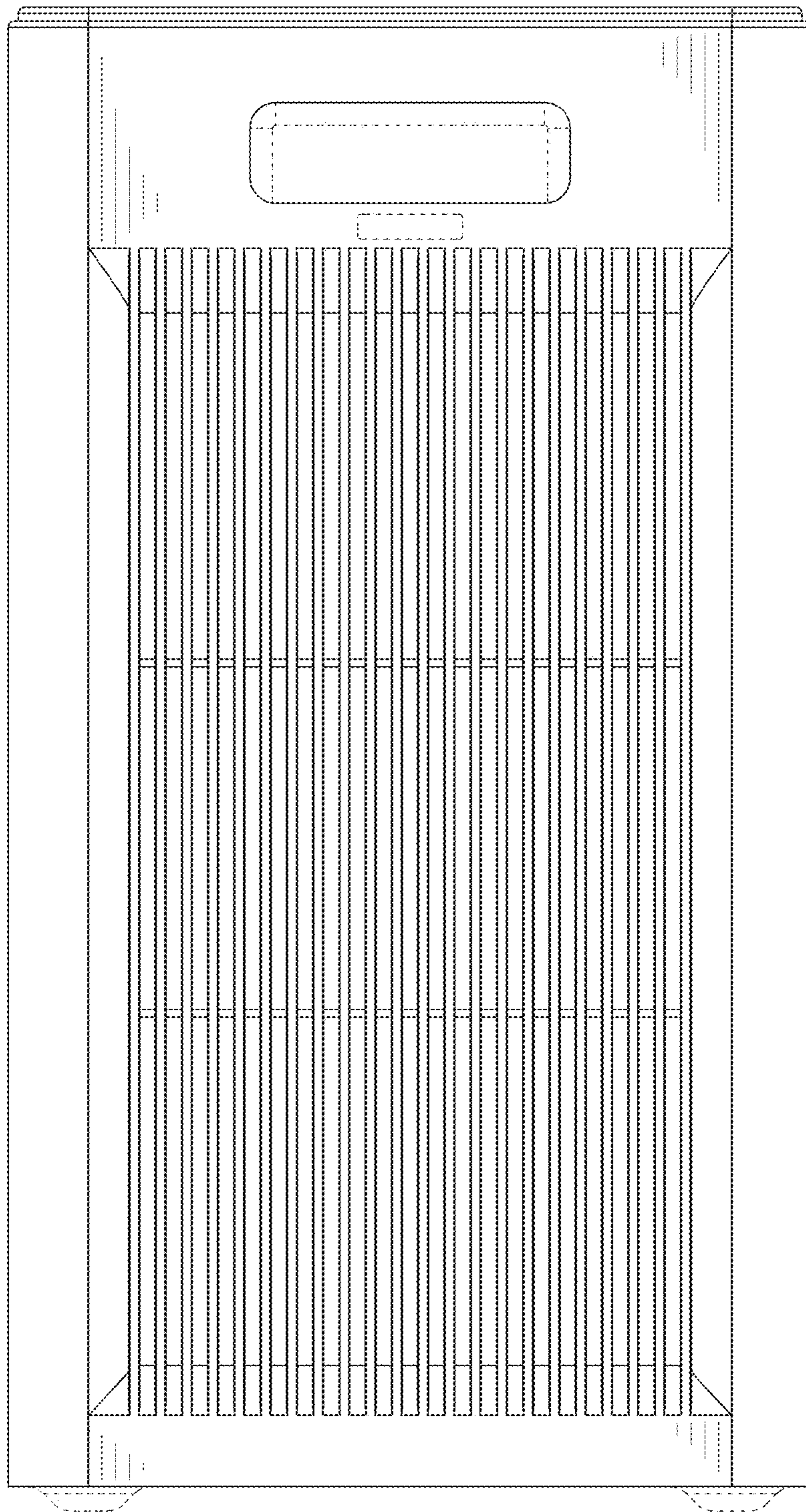


FIG. 4

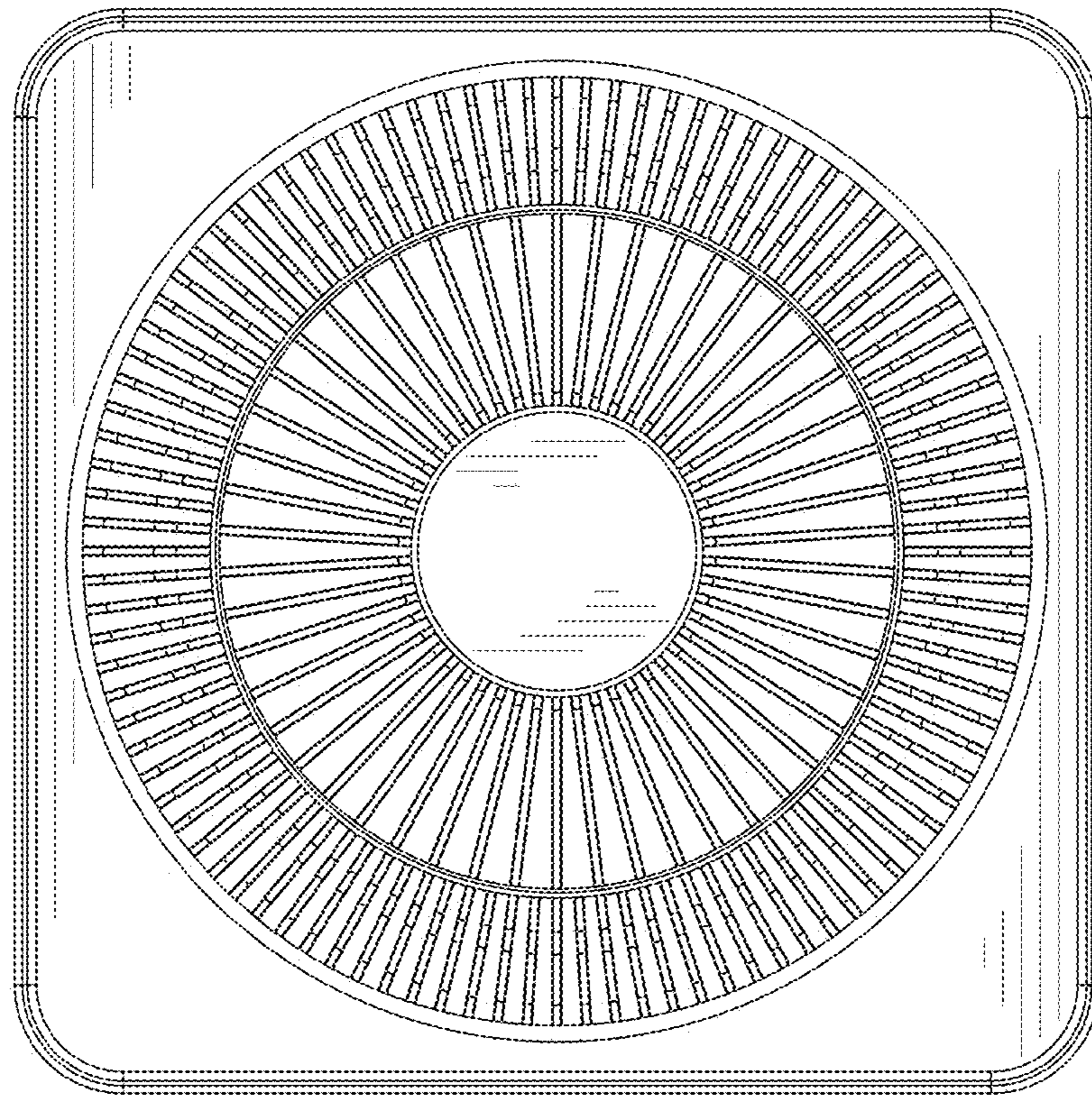


FIG. 5

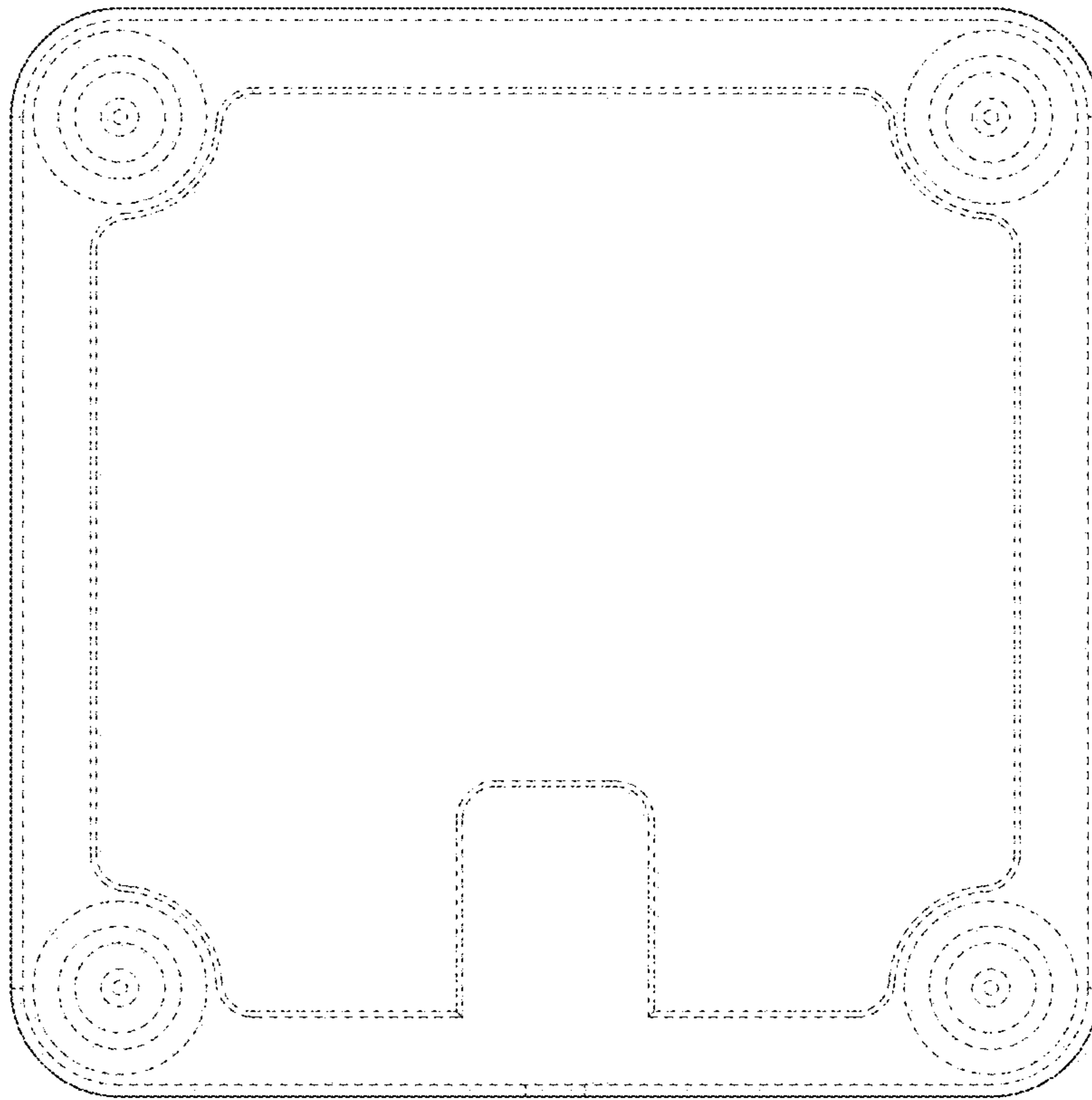


FIG. 6



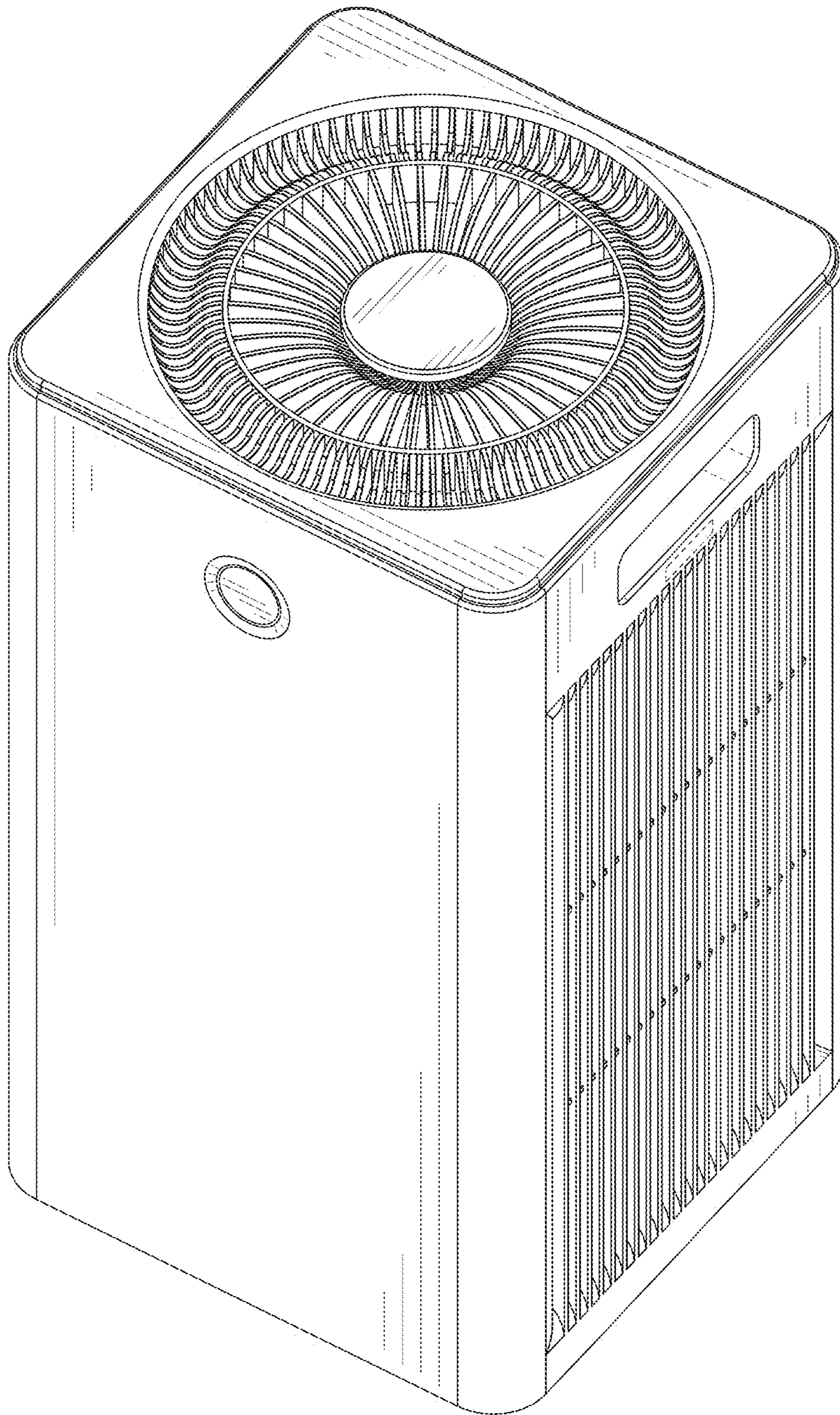


FIG. 7



FIG. 8

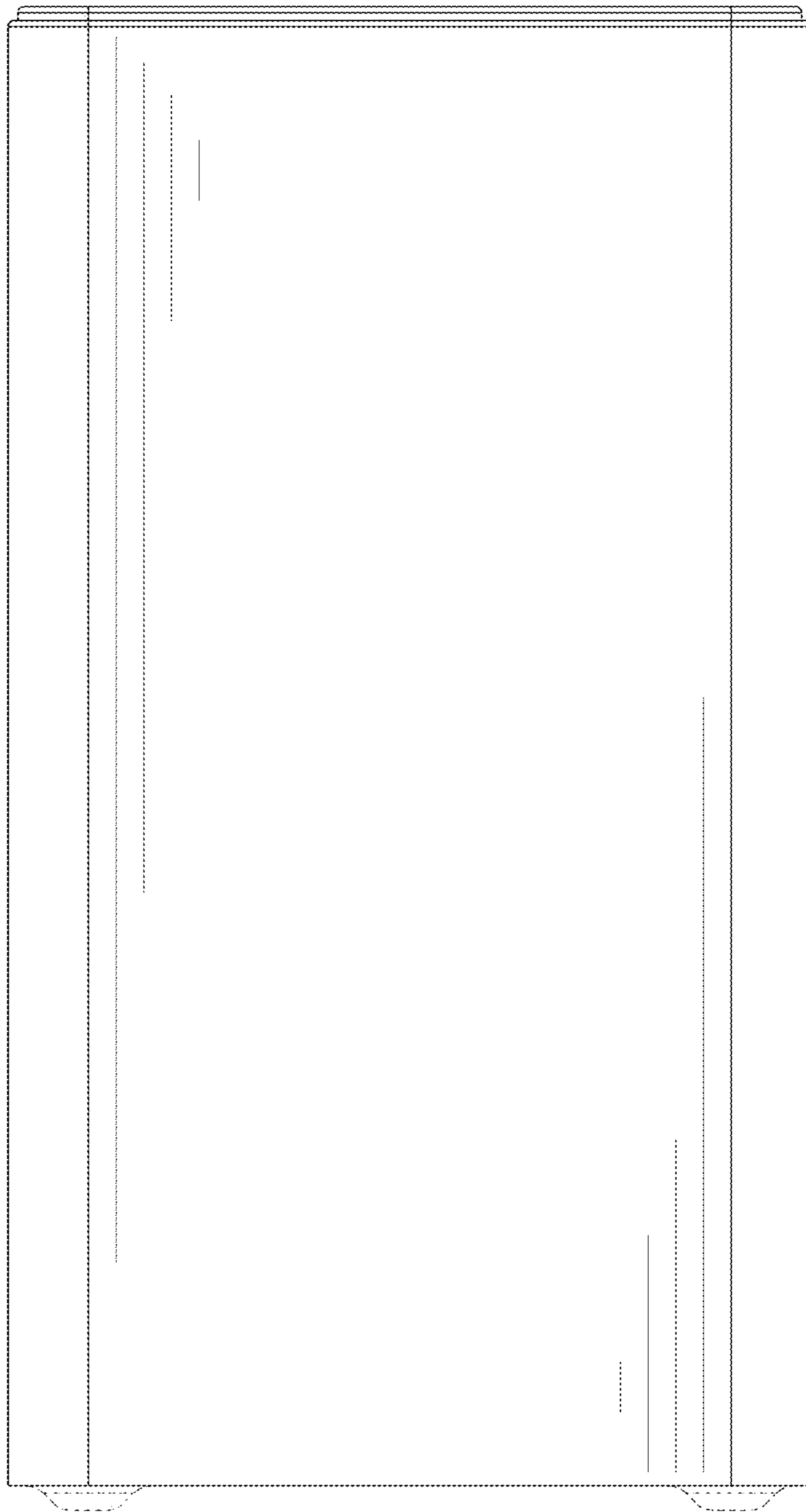


FIG. 9

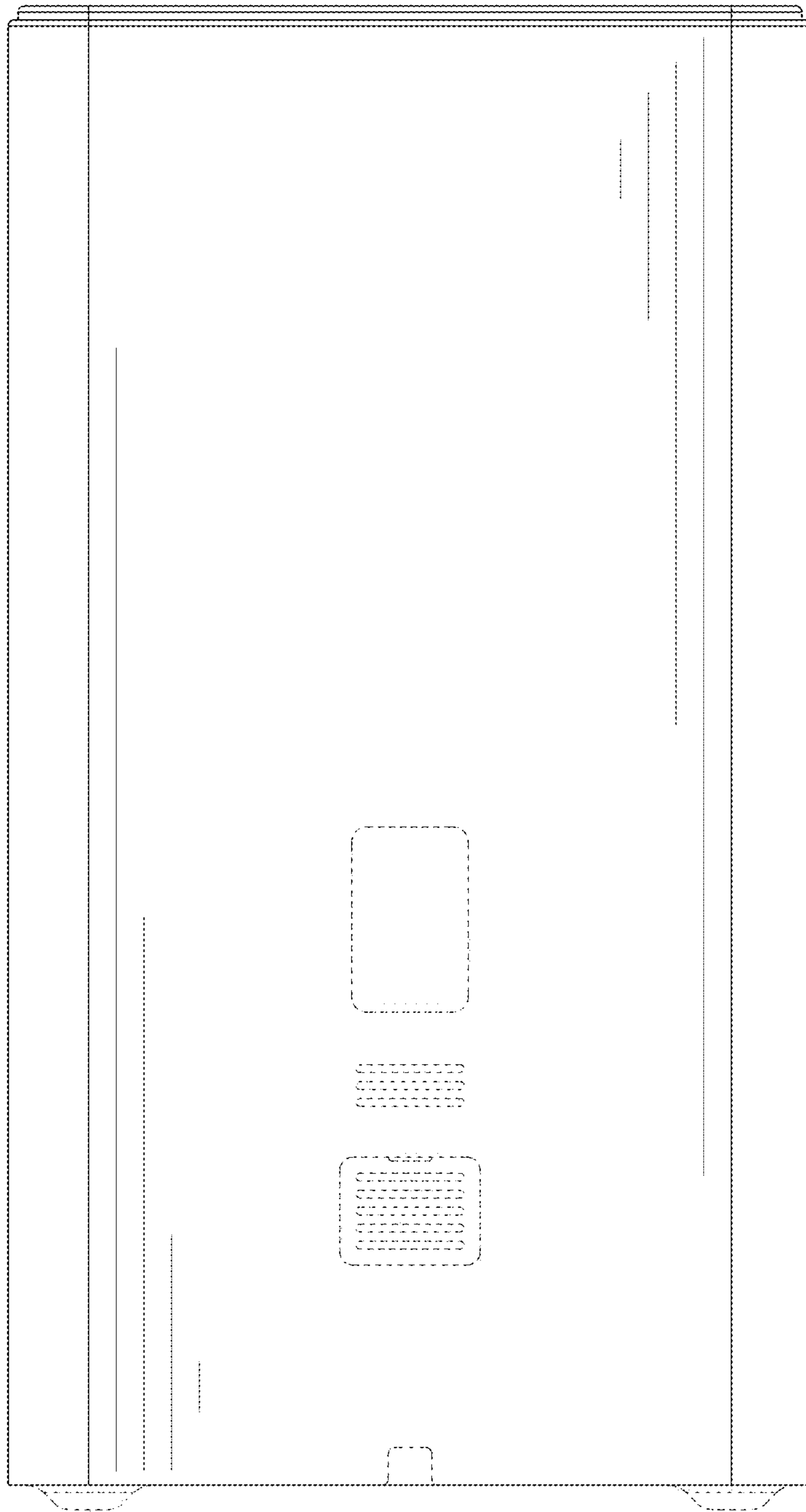


FIG. 10

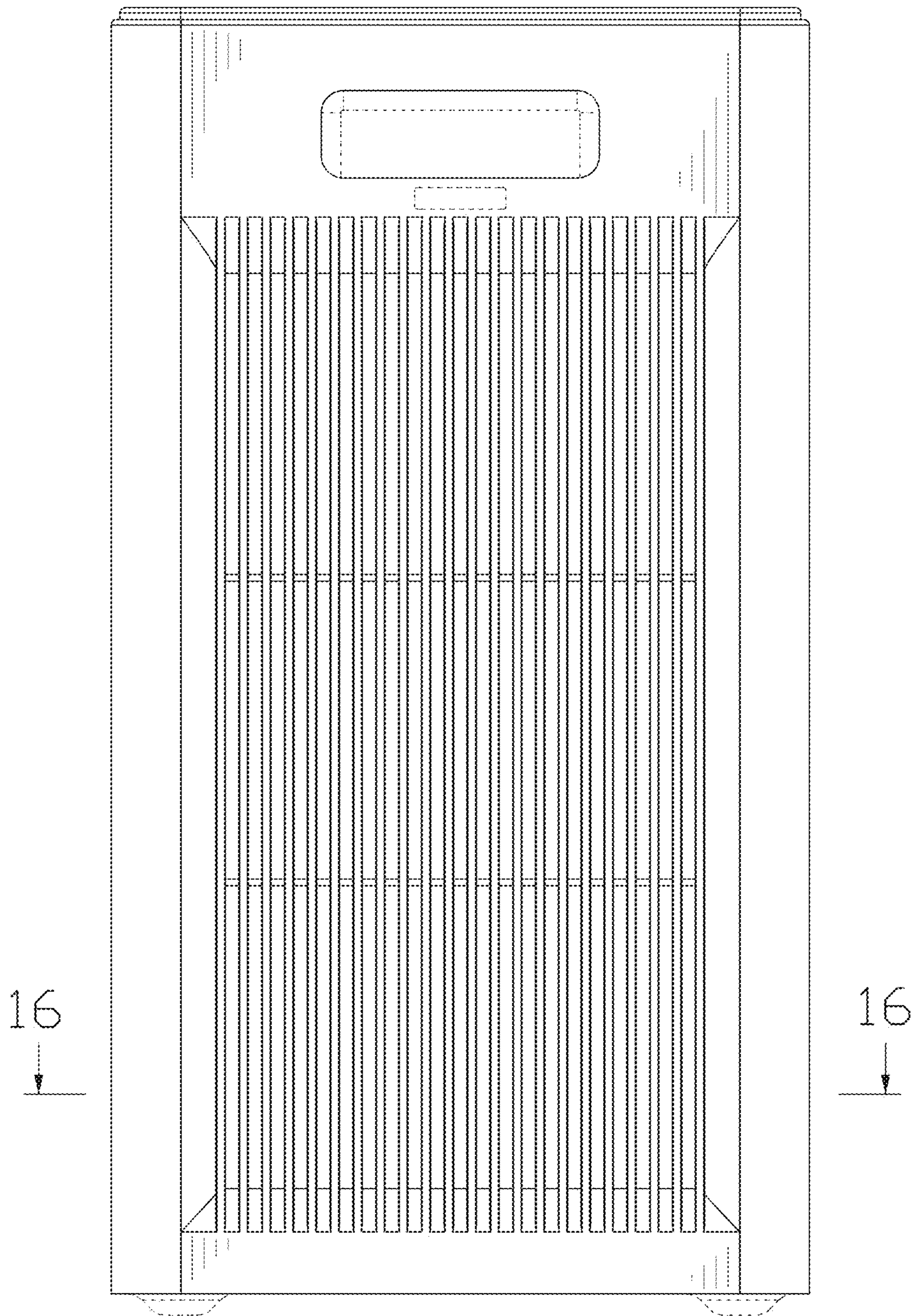


FIG. 11

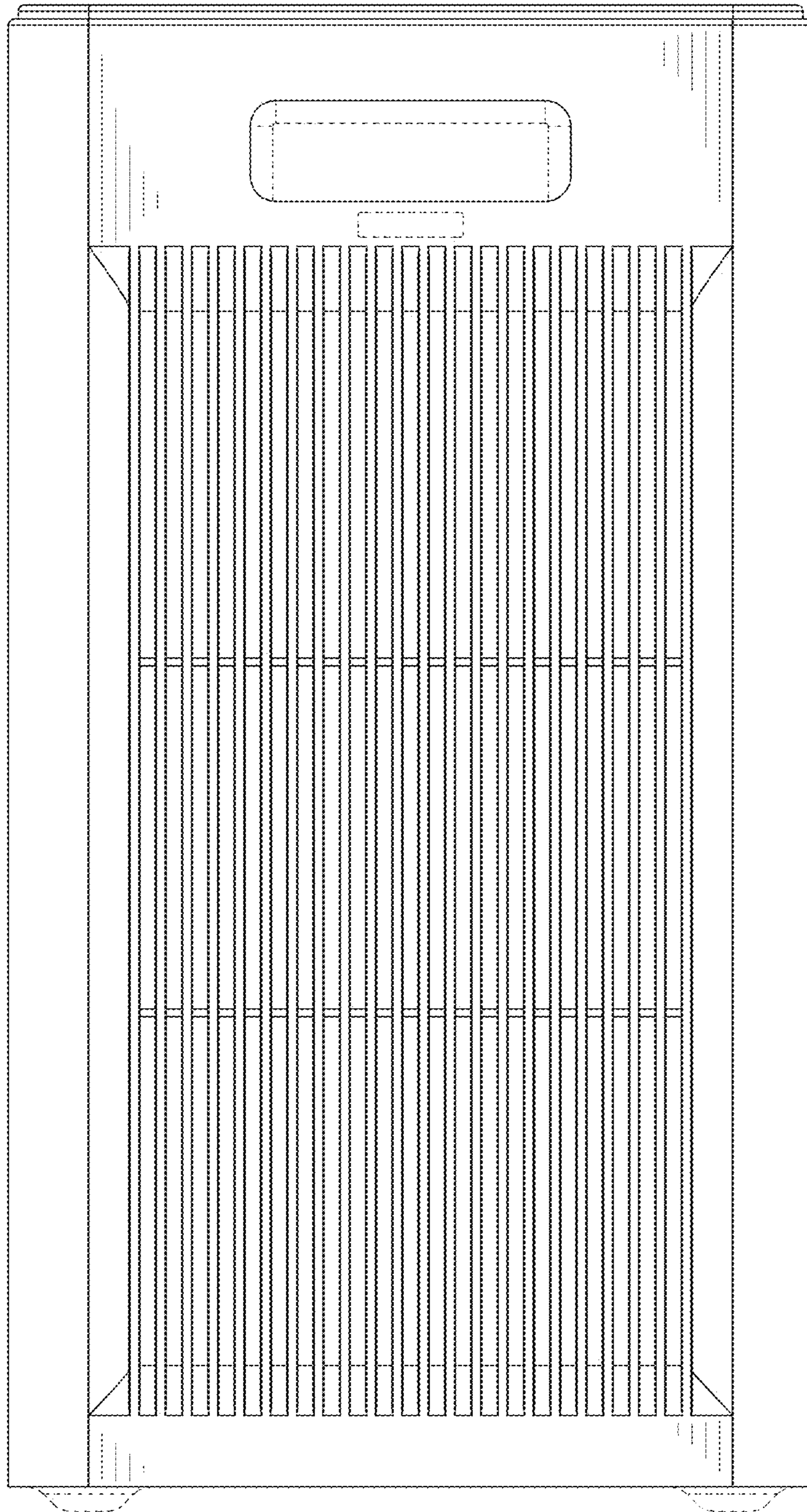


FIG. 12

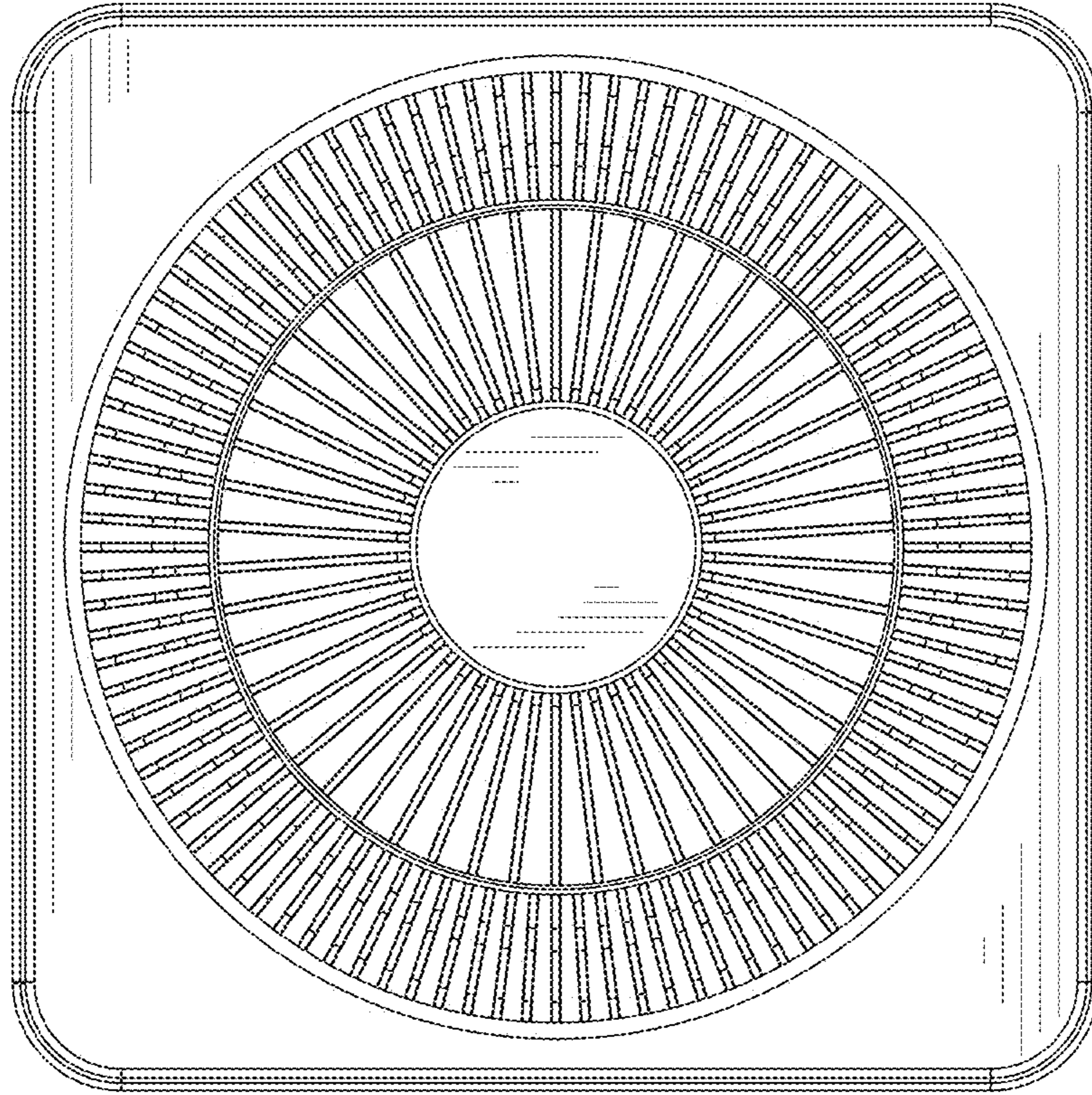


FIG. 13

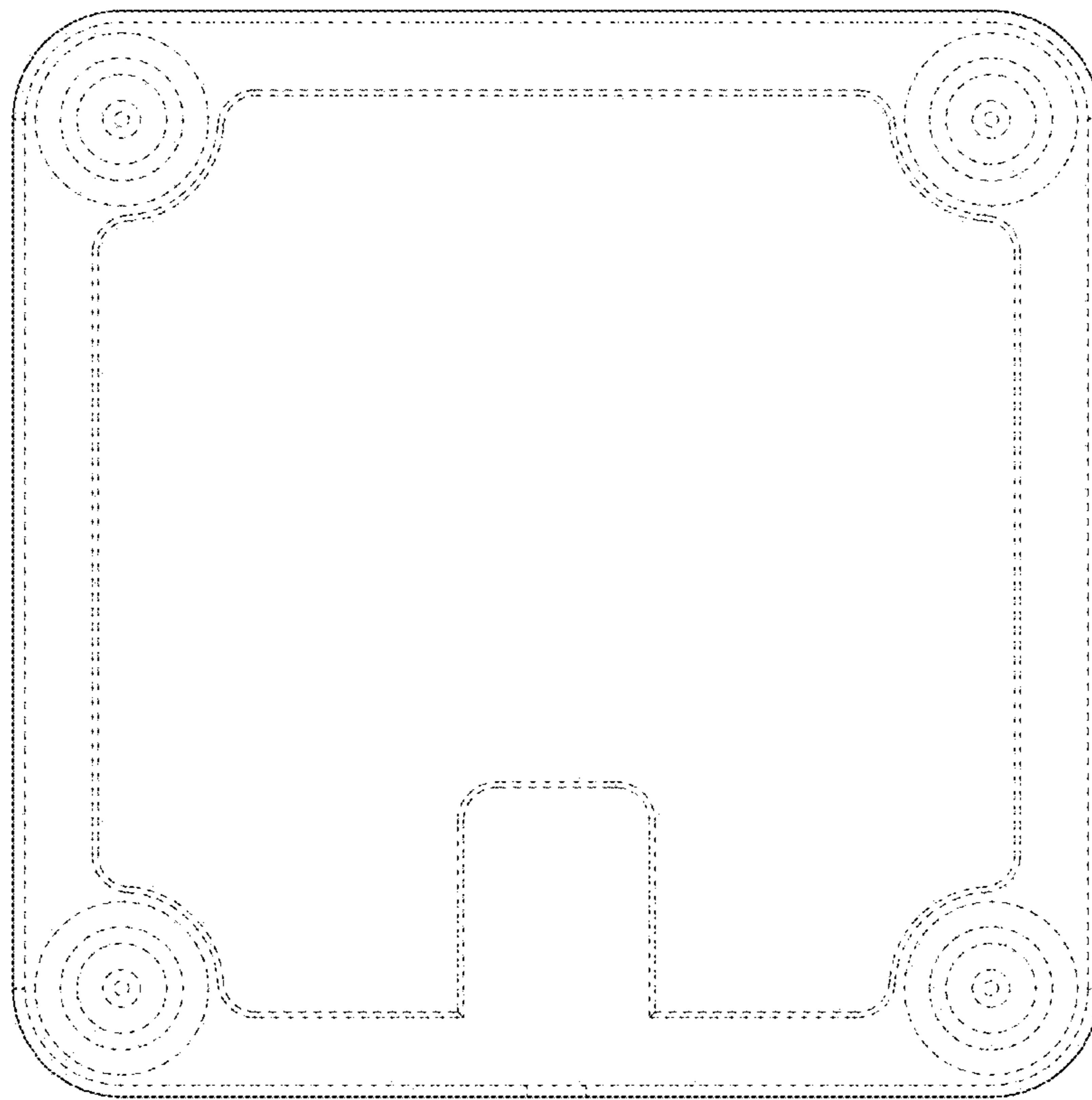


FIG. 14



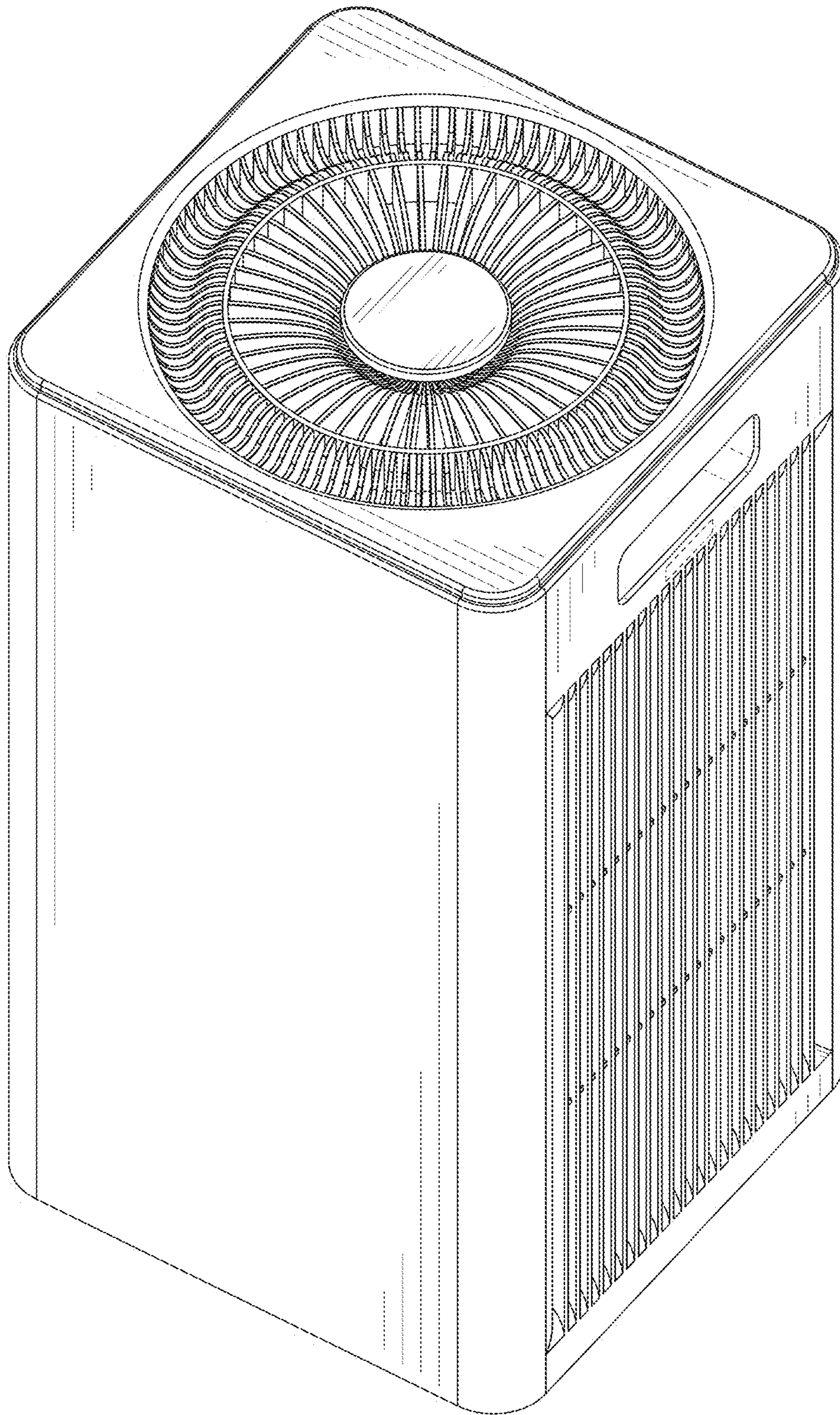


FIG. 15

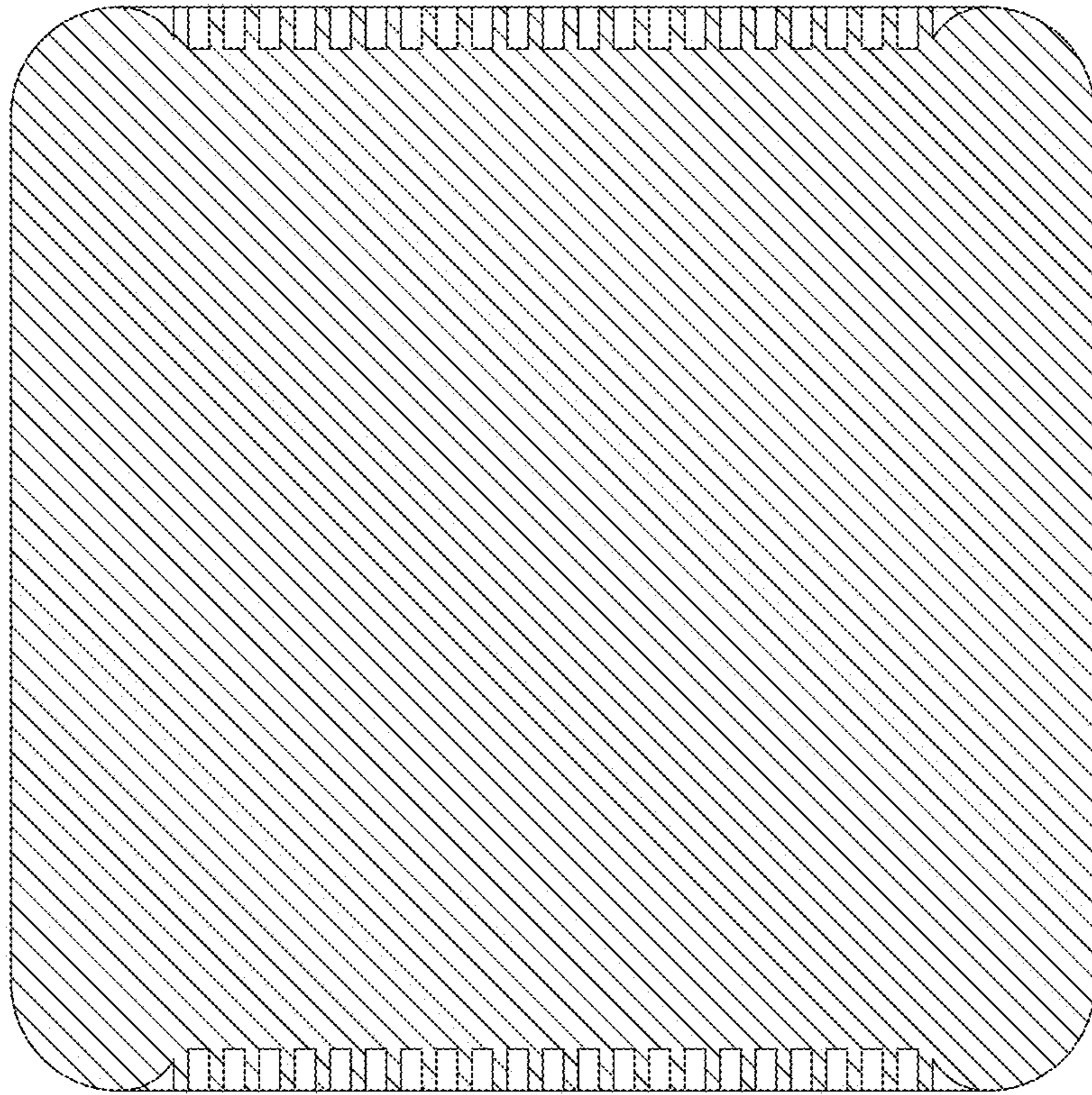


FIG. 16