



US00D972102S

(12) **United States Design Patent** (10) **Patent No.:** **US D972,102 S**  
**Zhan** (45) **Date of Patent:** **\*\* Dec. 6, 2022**

- (54) **AIR PURIFIER**
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- (73) Assignee: **Shenzhen Hanlin International Trade Co., Ltd.**, Shenzhen (CN)

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

\* cited by examiner

(21) Appl. No.: **29/823,099**

*Primary Examiner* — David G Muller

(22) Filed: **Jan. 14, 2022**

(74) *Attorney, Agent, or Firm* — Georgi Korobanov

(51) **LOC (13) Cl.** ..... **23-04**

(57) **CLAIM**

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

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

(58) **Field of Classification Search**  
USPC ..... D23/355–366, 352, 369, 332, 333, 335, D23/336, 342, 351  
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 13/20; F24F 13/28  
See application file for complete search history.

**DESCRIPTION**

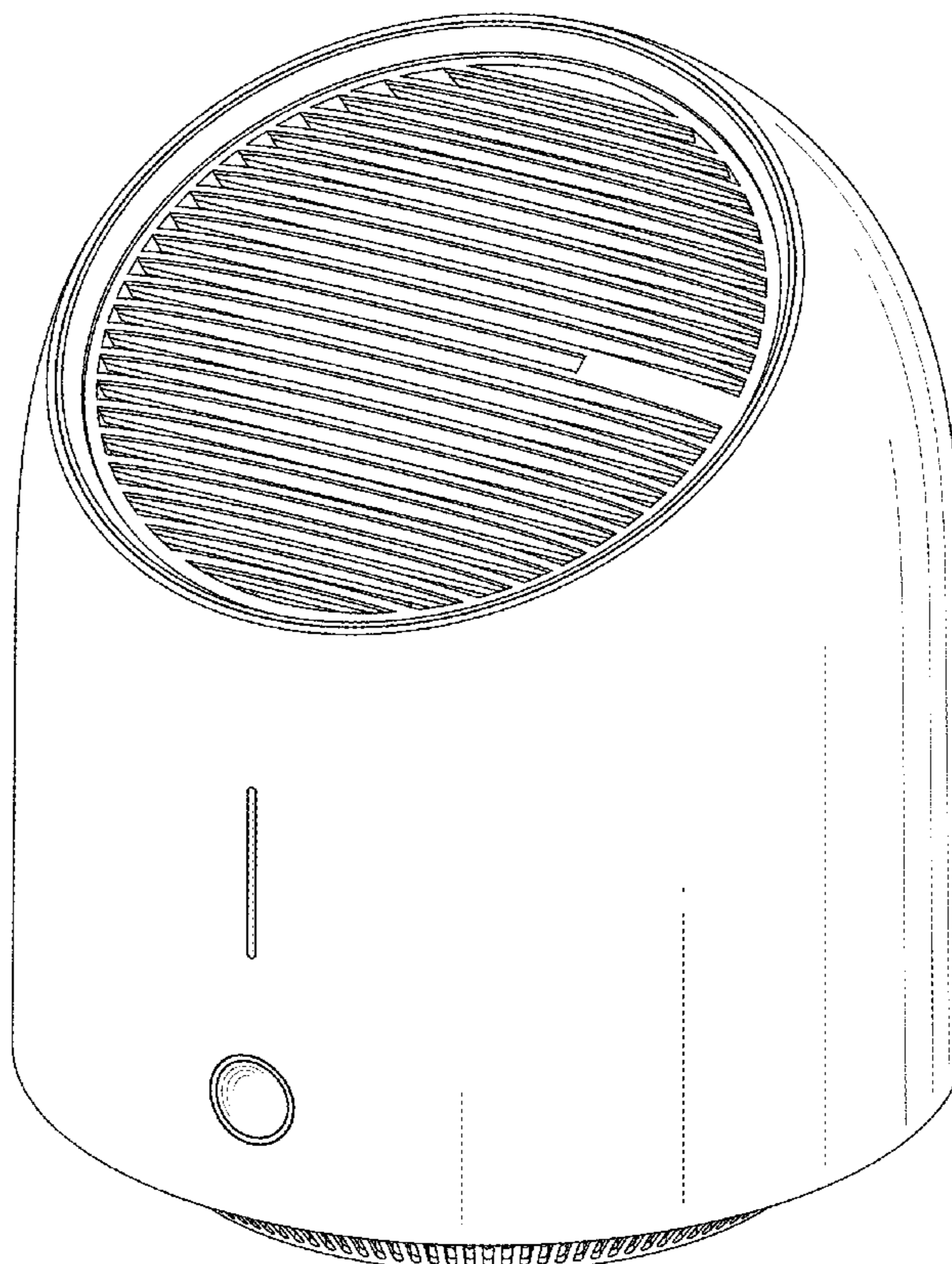
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FIG. 1 is a perspective view of an air purifier showing my new design;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view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

**U.S. PATENT DOCUMENTS**

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**1 Claim, 8 Drawing Sheets**



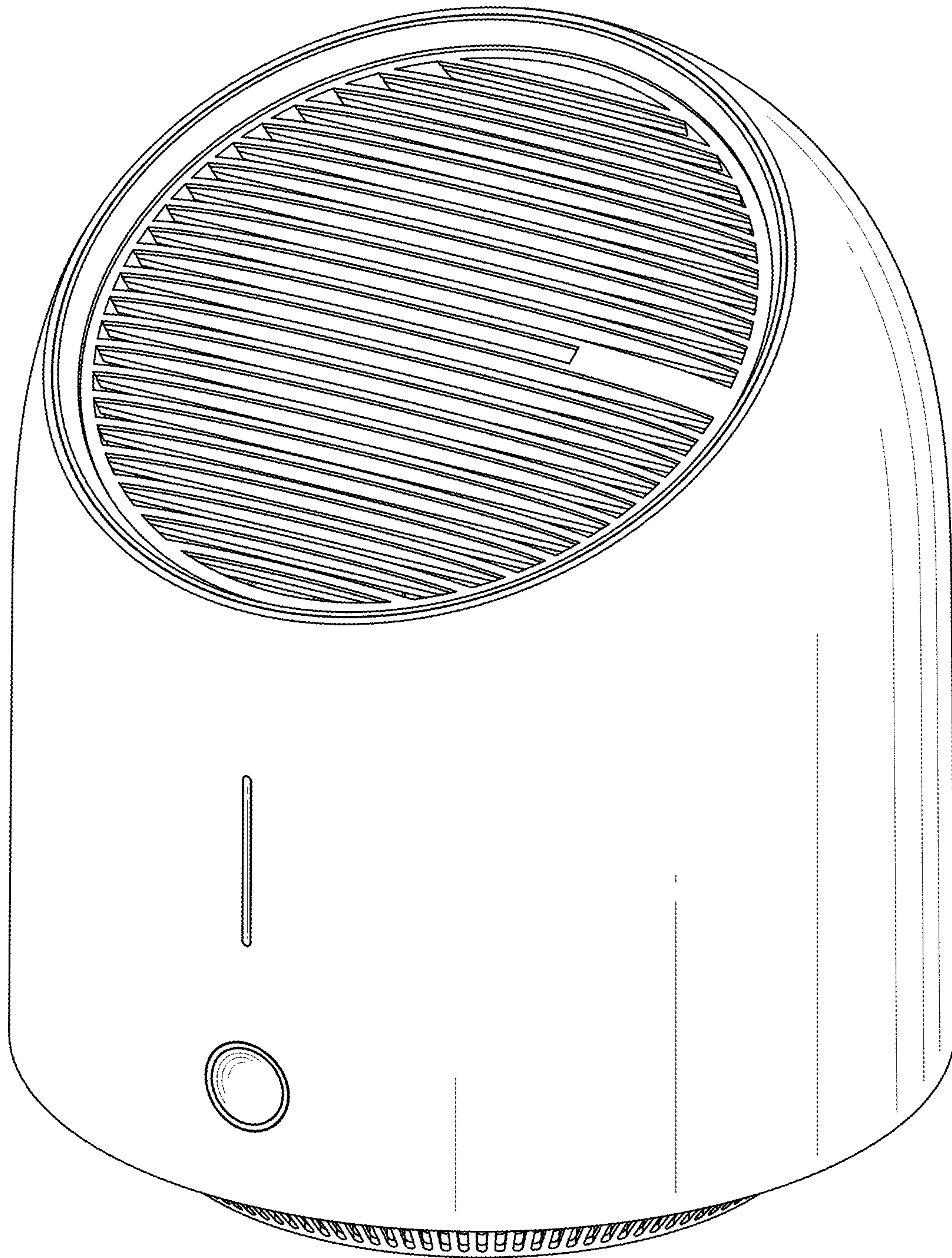


FIG. 1

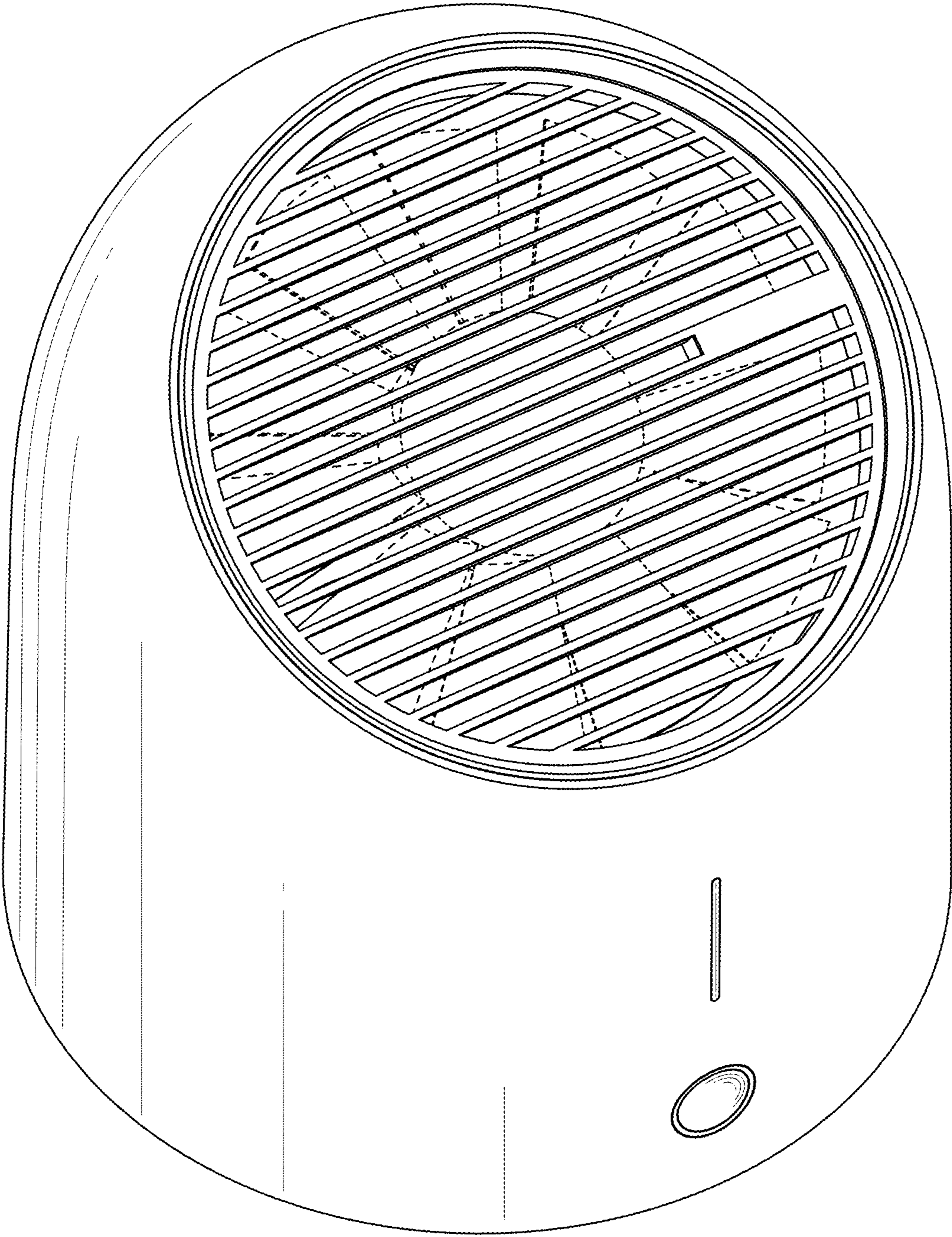


FIG. 2



FIG. 3

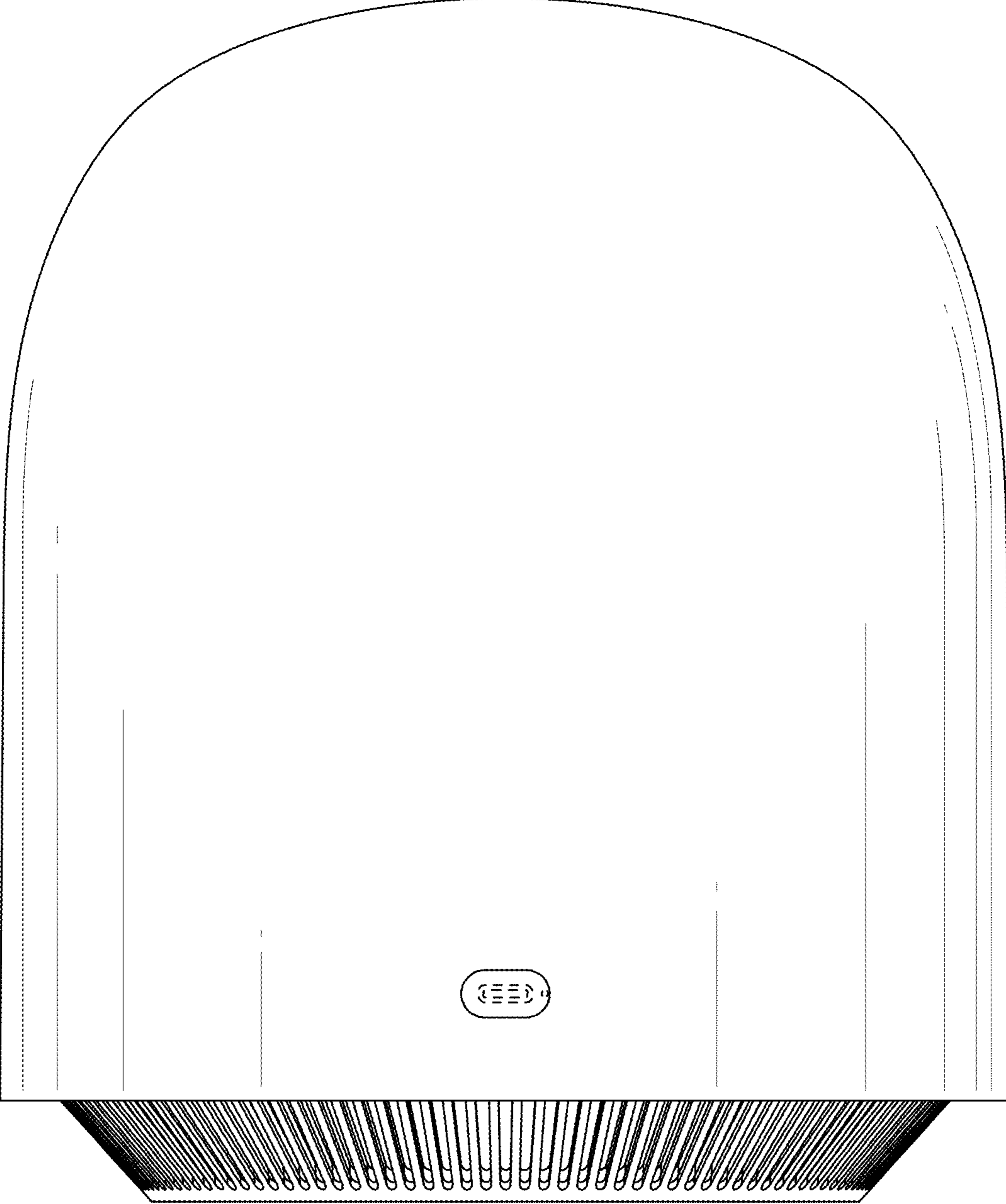


FIG. 4

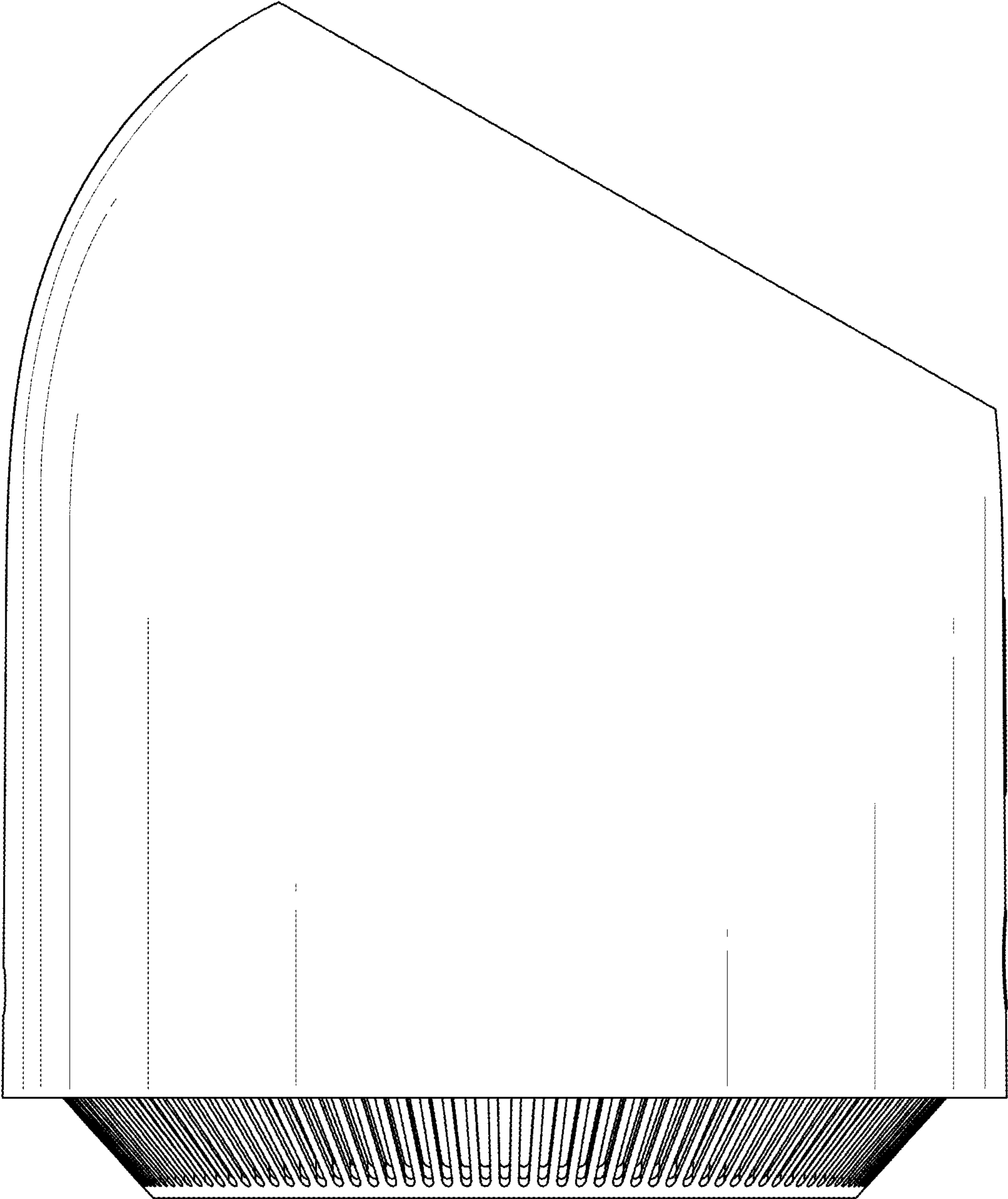


FIG. 5

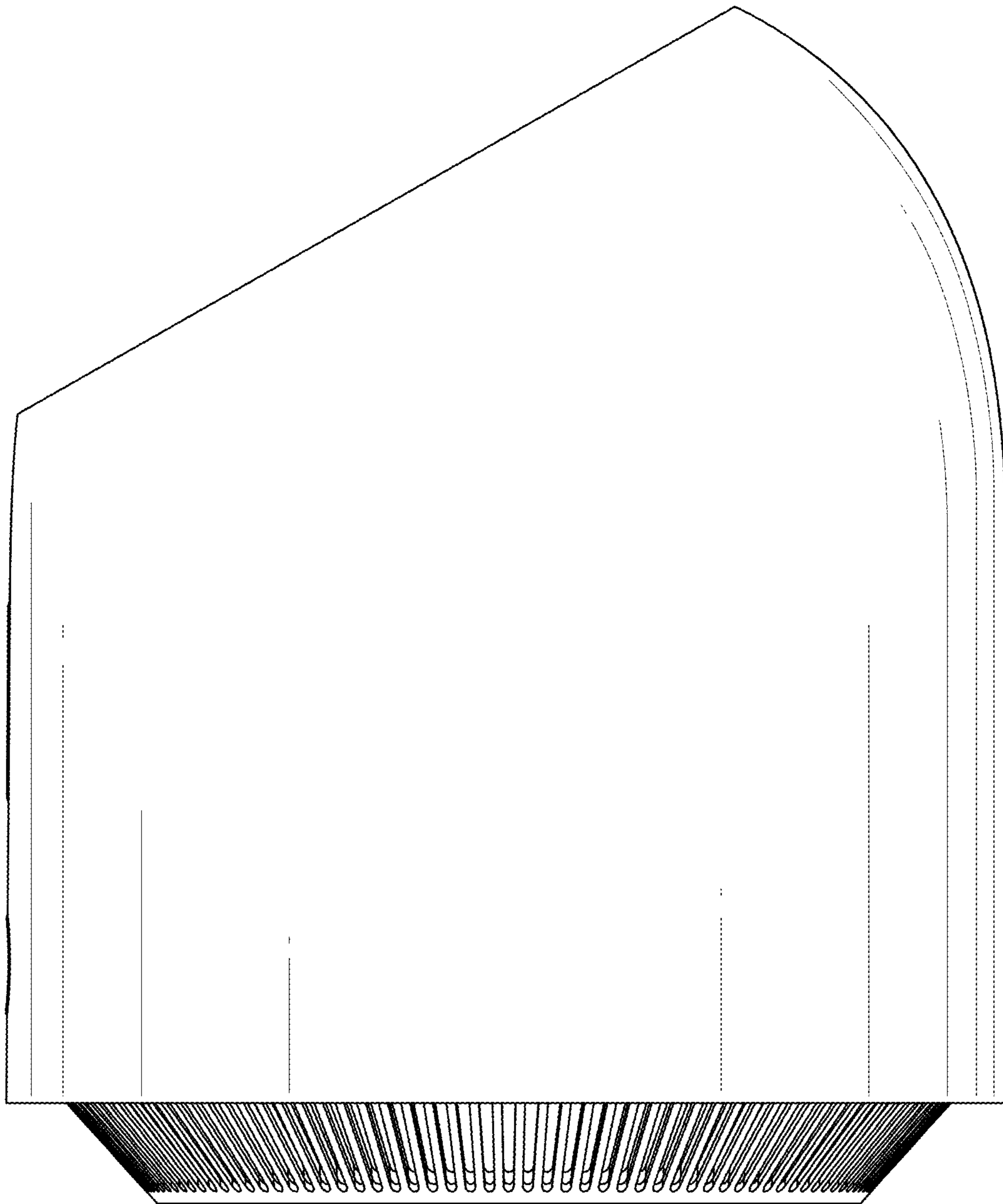


FIG. 6

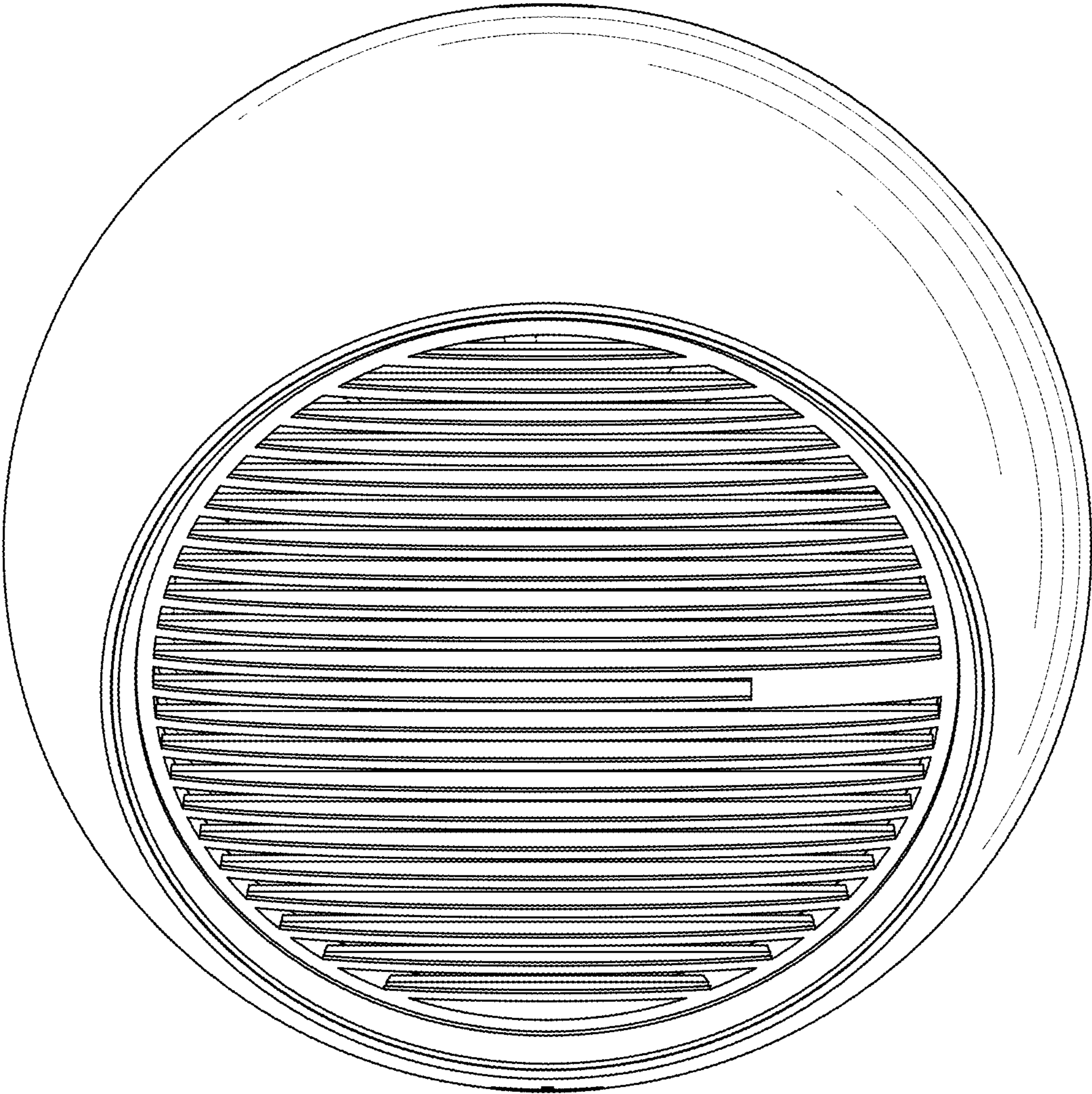


FIG. 7



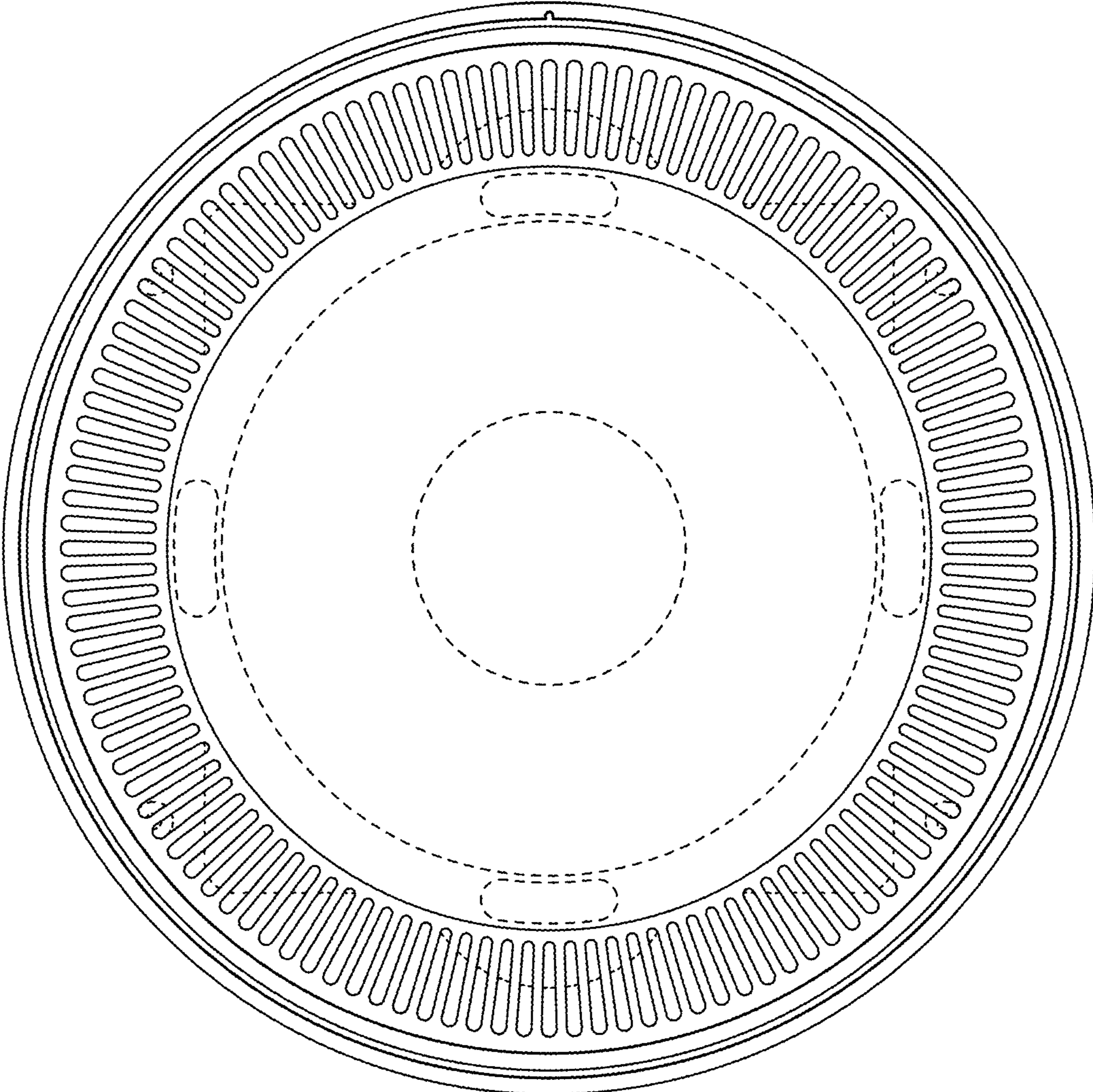


FIG. 8