

US00D947337S

(12) **United States Design Patent** (10) **Patent No.:** **US D947,337 S**
Jang et al. (45) **Date of Patent:** **** Mar. 29, 2022**

(54) **FAN WITH AIR PURIFICATION FUNCTION**

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(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

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

(21) Appl. No.: **29/726,614**

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Classification Search**
USPC D23/332, 333, 335–337, 342, 351, 352, D23/355–362, 364–366, 370, 378, 381, D23/383
CPC F04D 25/08; F04D 29/38; F04D 29/384; F04D 29/386; F04D 29/48; F04D 17/04; F04D 25/10; F24H 3/0417; A61L 9/16; A61L 9/22; B01D 47/00; B01D 47/027; B01D 2221/02; B03C 3/155; B03C 3/368; F24F 3/16; F24F 13/20
See application file for complete search history.

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(57) **CLAIM**

We claim the ornamental design for a fan with air purification function, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a fan with air purification function showing the new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a left-side elevation view thereof;
FIG. 5 is a right-side elevation view thereof;
FIG. 6 is a top plan view thereof;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is a partial enlarged view taken along the line 8-8 of FIG. 1; and,
FIG. 9 is a cross-sectional view taken along the line 9-9 of FIG. 2.

The broken lines illustrate portions of the fan with air purification function that form no part of the claimed design. The broken line rectangle surrounding the partial view of the fan with air purification function in FIG. 8 forms no part of the claimed design.

1 Claim, 9 Drawing Sheets

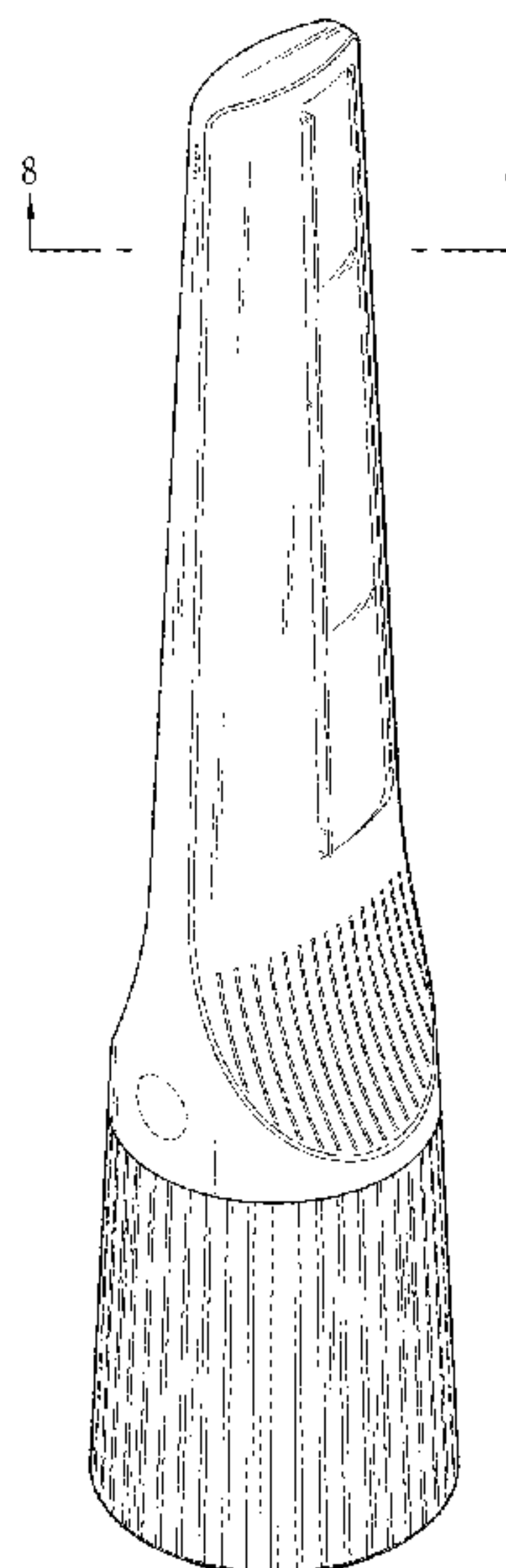


FIG. 1

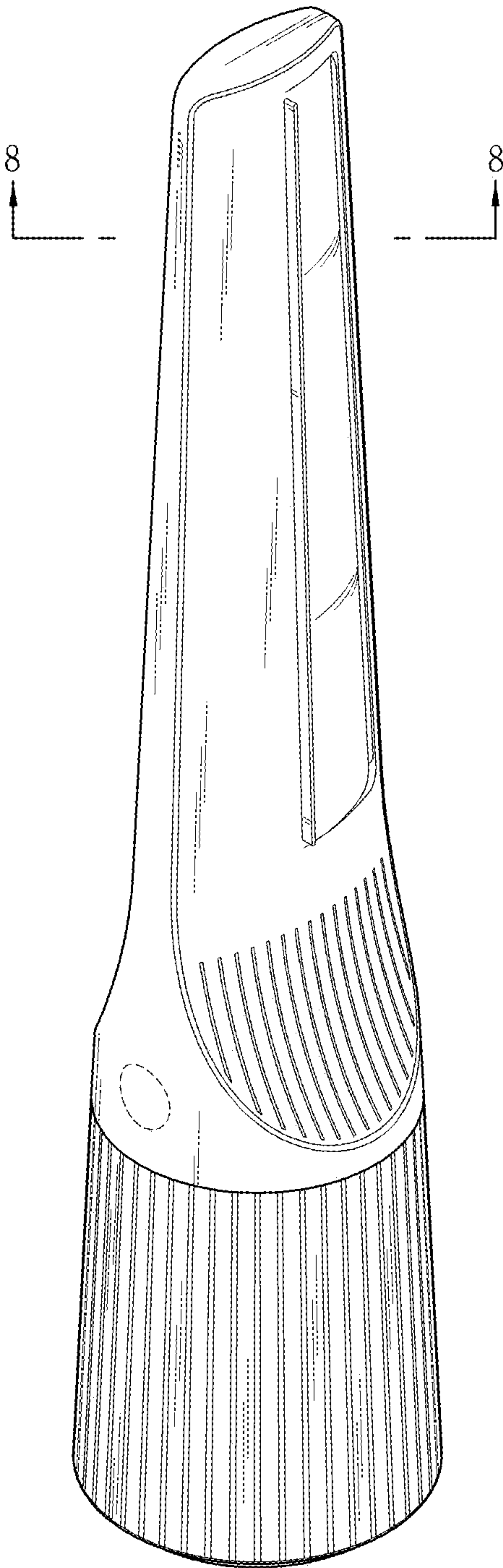


FIG. 2

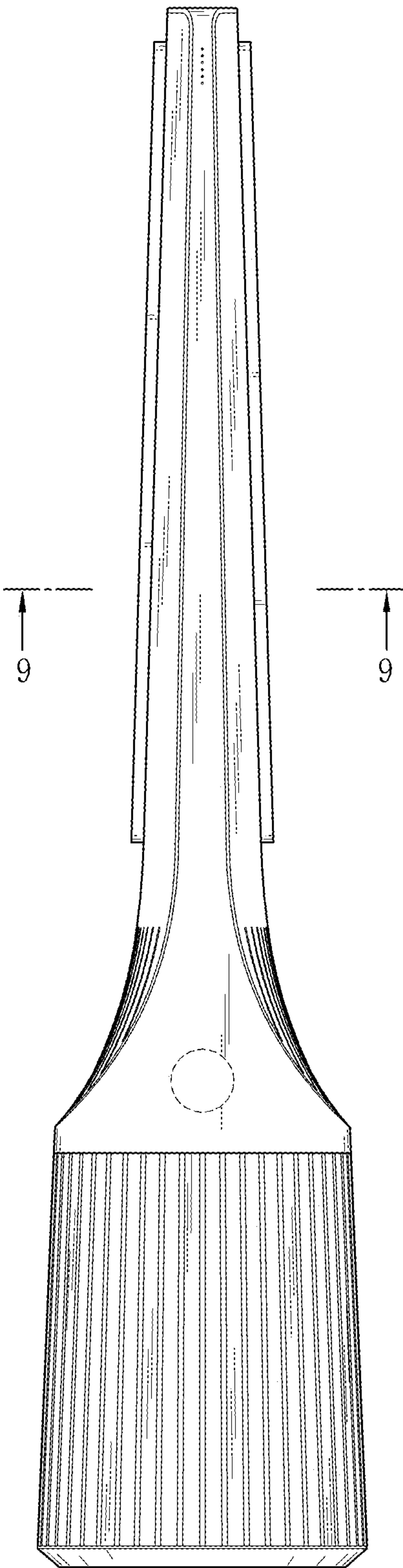


FIG. 3

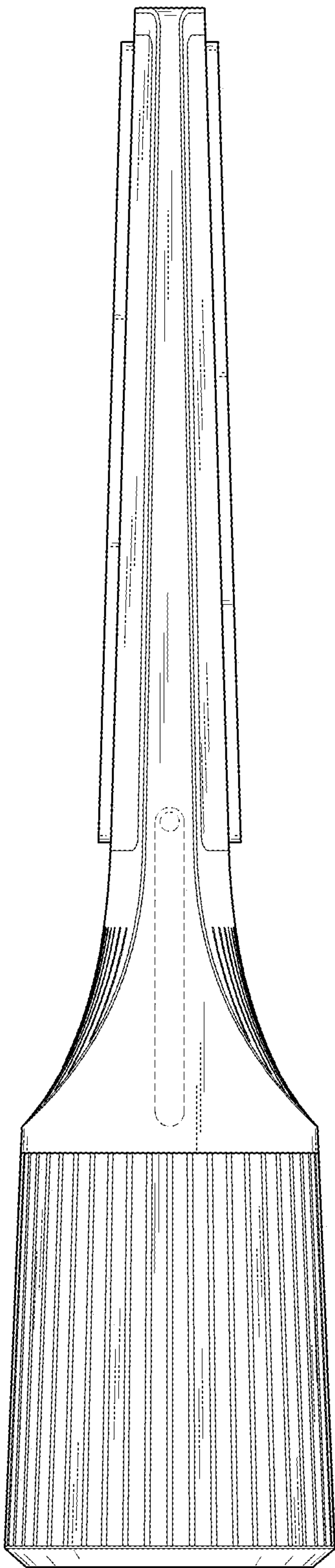


FIG. 4

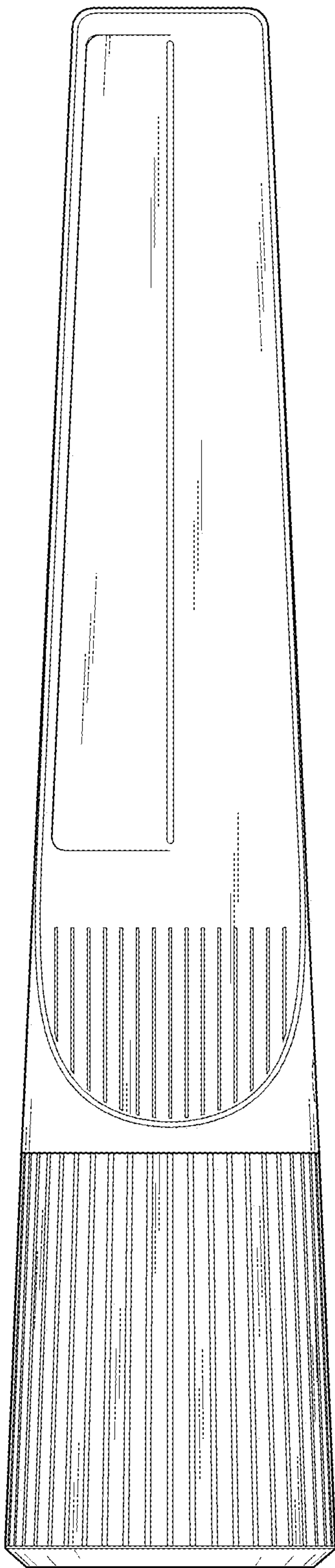


FIG. 5

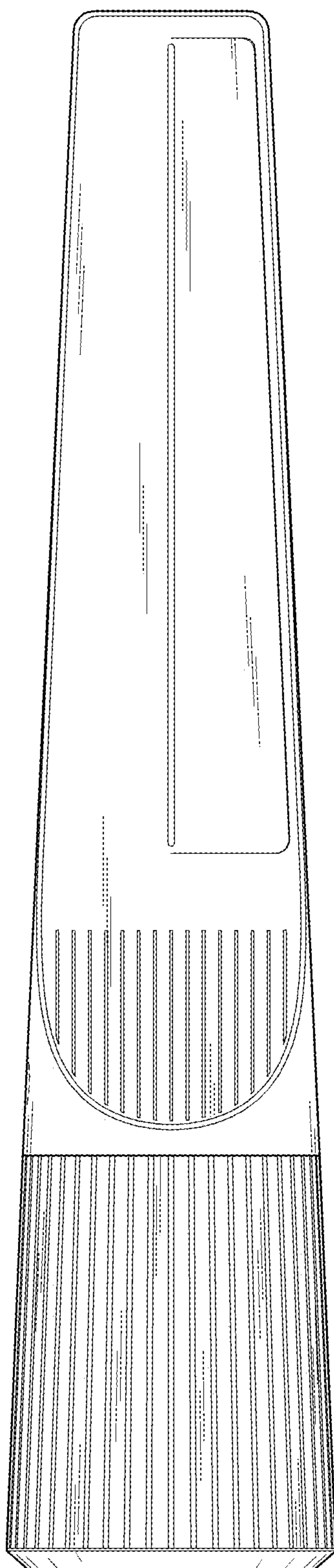


FIG. 6

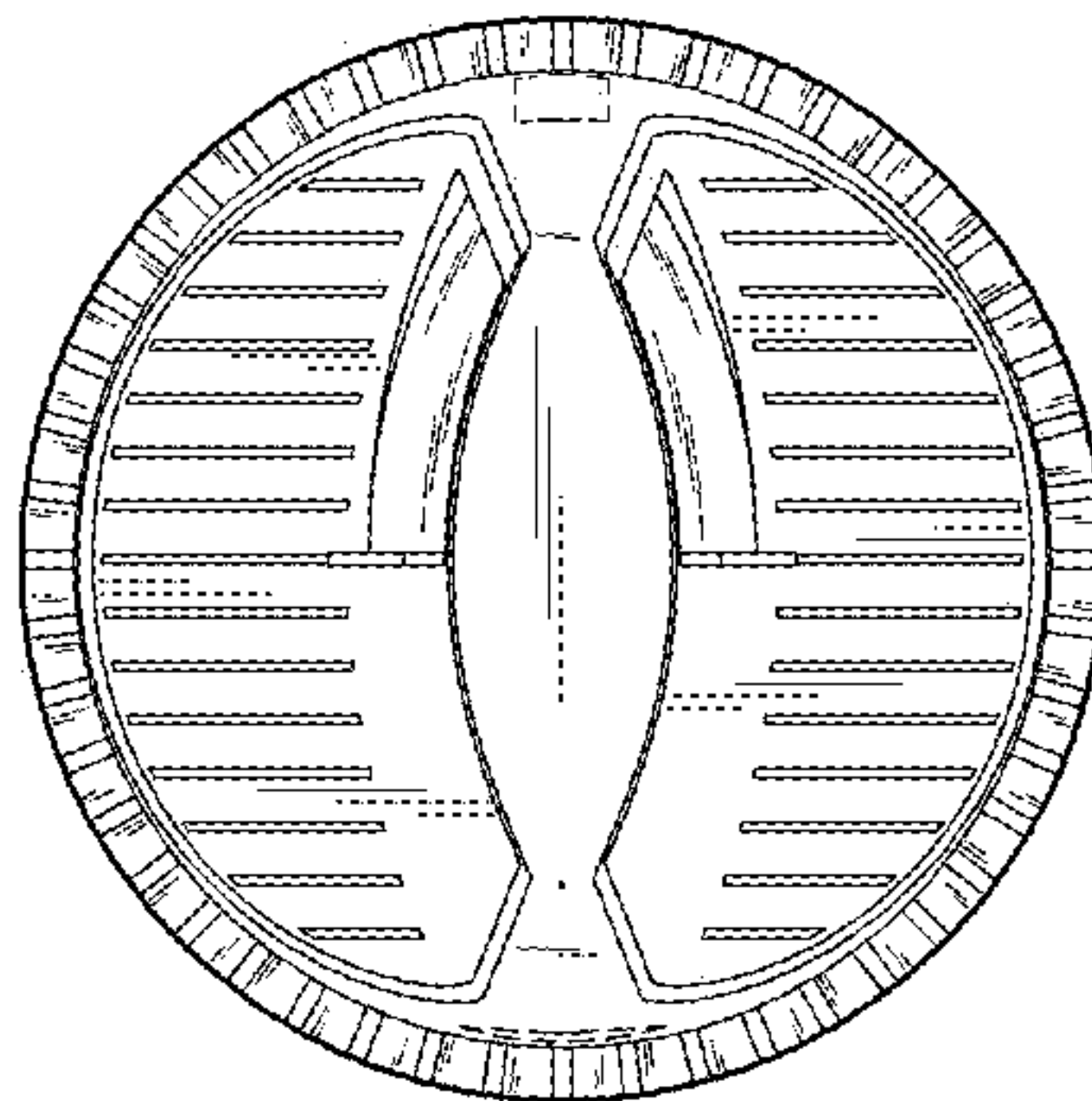


FIG. 7

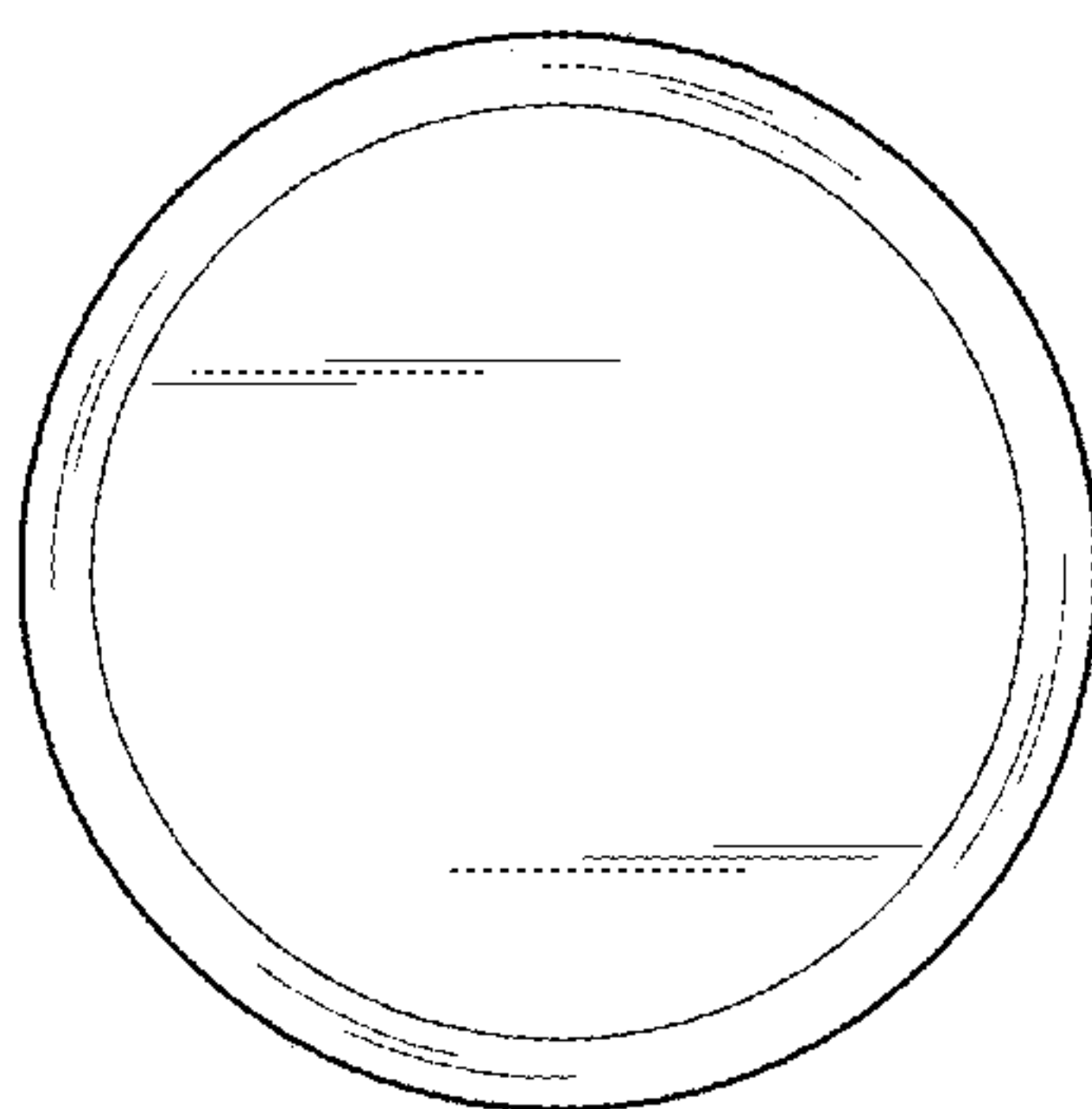


FIG. 8

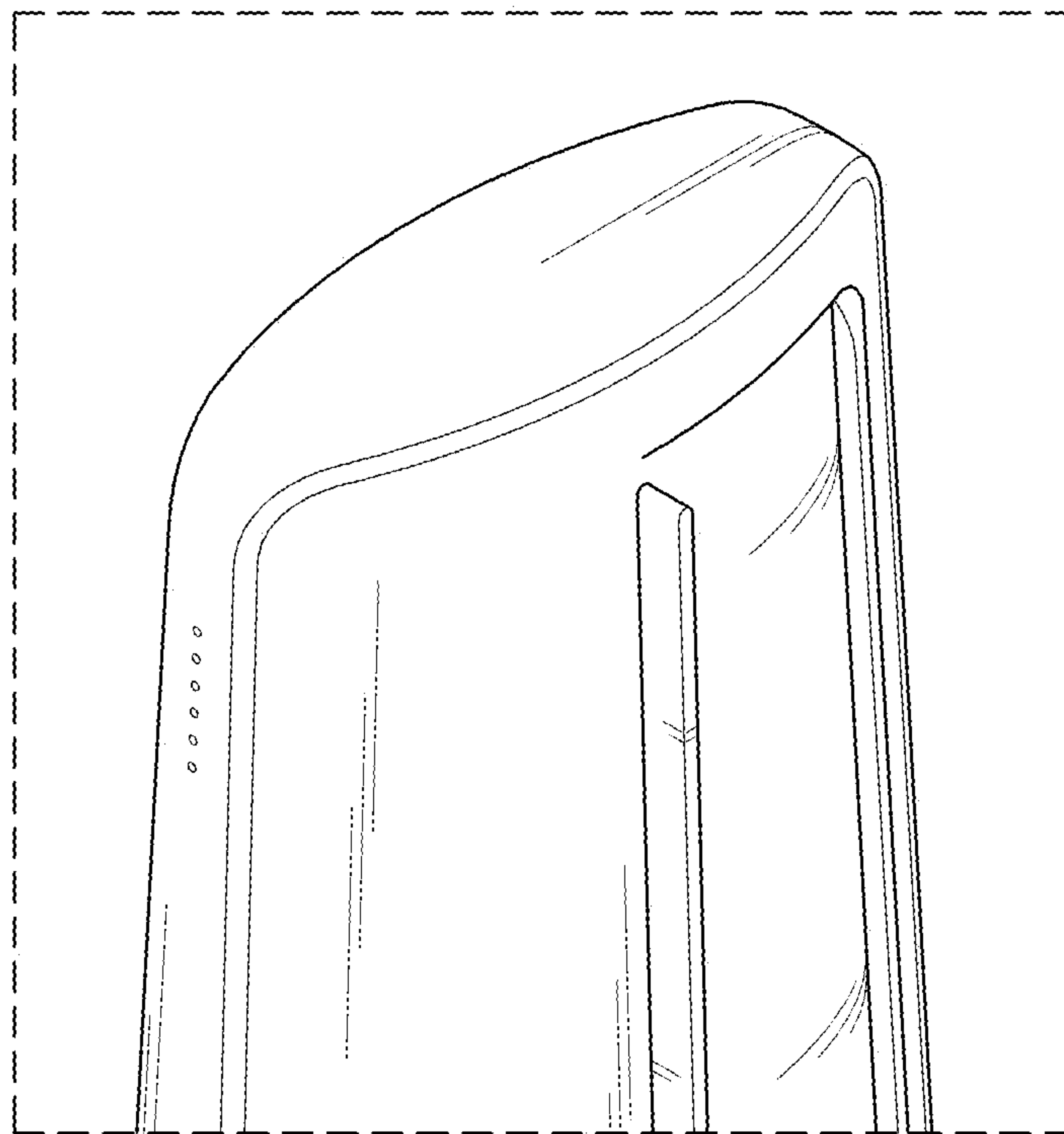


FIG. 9

