



US00D978222S

(12) **United States Design Patent** (10) **Patent No.:** **US D978,222 S**  
**Li** (45) **Date of Patent:** **\*\* Feb. 14, 2023**

(54) **PROJECTOR**

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(72) Inventor: **Ling Li**, Kowloon (CN)

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

(21) Appl. No.: **29/747,714**

(22) Filed: **Aug. 25, 2020**

(51) **LOC (14) Cl.** ..... **16-02**

(52) **U.S. Cl.**  
USPC ..... **D16/225; D16/230**

(58) **Field of Classification Search**  
USPC ..... D16/221, 225, 230–231, 234, 208;  
D21/514; D14/138 AA, 138 R, 474  
CPC .... G03B 21/001; G03B 21/003; G03B 21/00;  
G03B 21/14; G03B 21/145; G03B 21/16  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D600,735 S \* 9/2009 Chigira ..... D16/230  
D645,491 S \* 9/2011 Lee ..... D16/225

D666,661 S \* 9/2012 Hong ..... D16/230  
D691,189 S \* 10/2013 Zhao ..... D16/230  
D808,455 S \* 1/2018 Lee ..... D16/202  
D860,290 S \* 9/2019 Lee ..... D16/208  
2014/0016295 A1\* 1/2014 Huang ..... G03B 21/145  
361/827

\* cited by examiner

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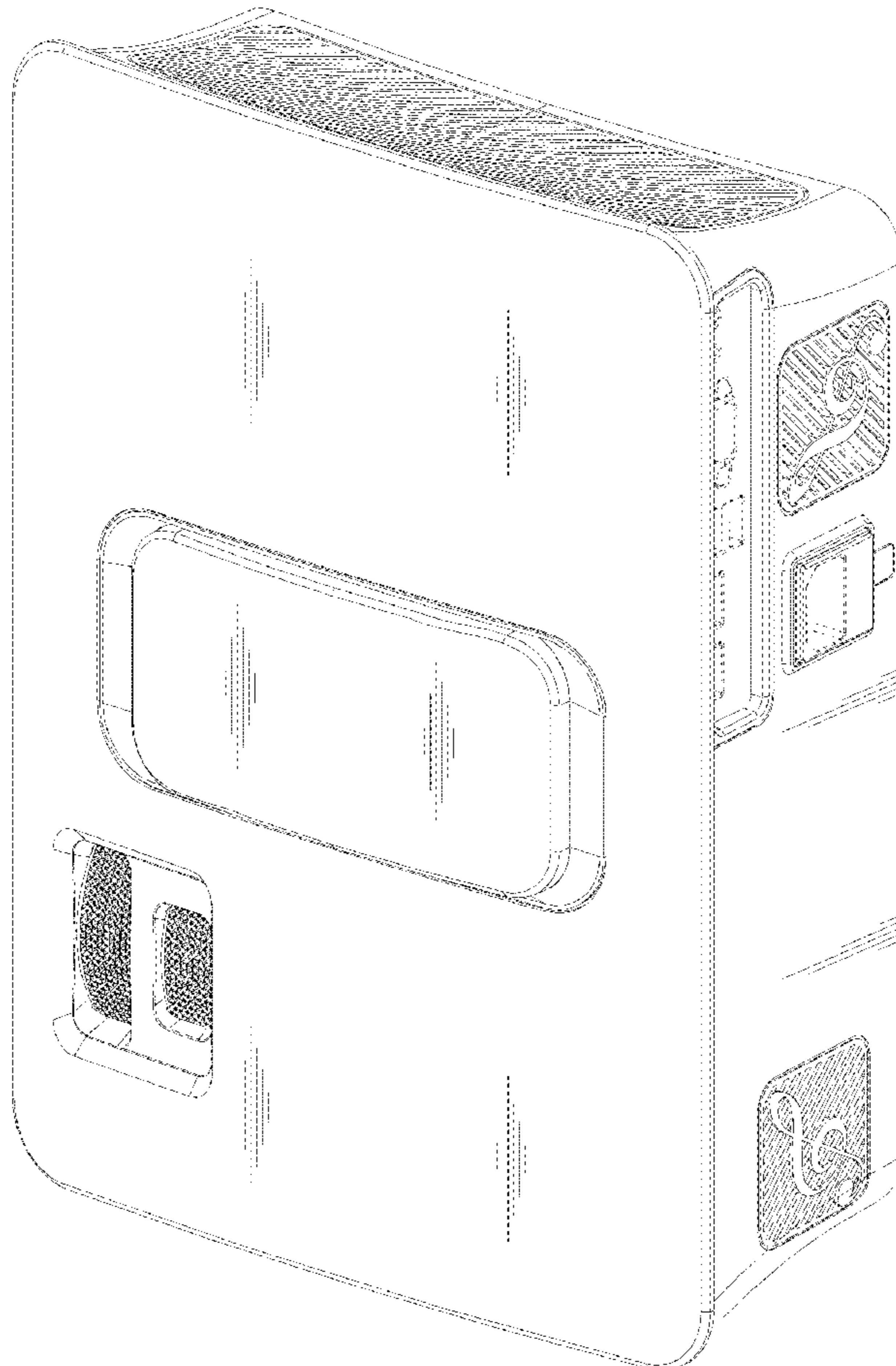
(57) **CLAIM**

The ornamental design for a projector, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a projector showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back view thereof;  
FIG. 4 is a right-side view thereof;  
FIG. 5 is a left-side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken lines are for the purpose of illustrating portions of the article that form no part of the claim.

**1 Claim, 7 Drawing Sheets**



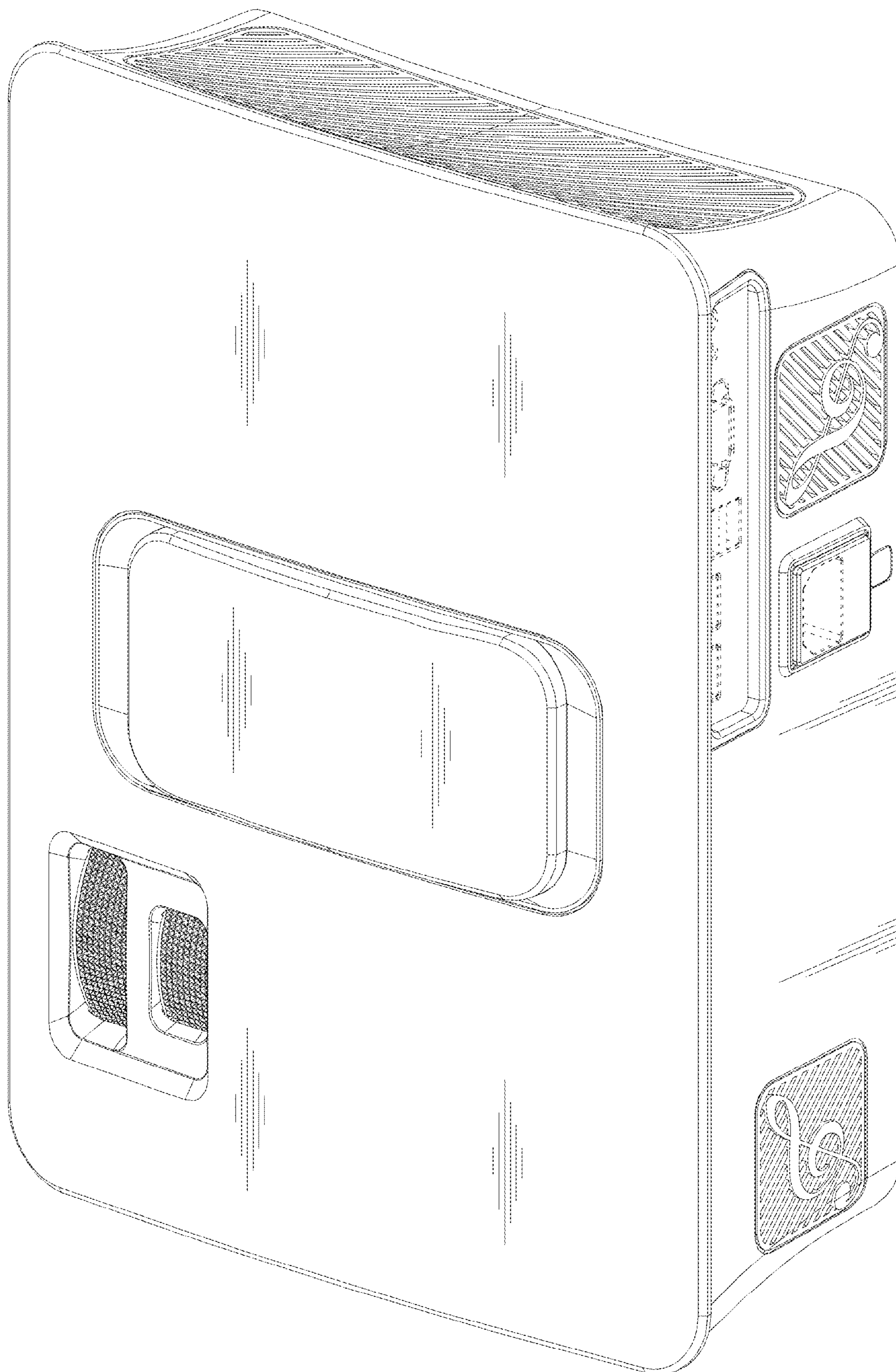


FIG. 1



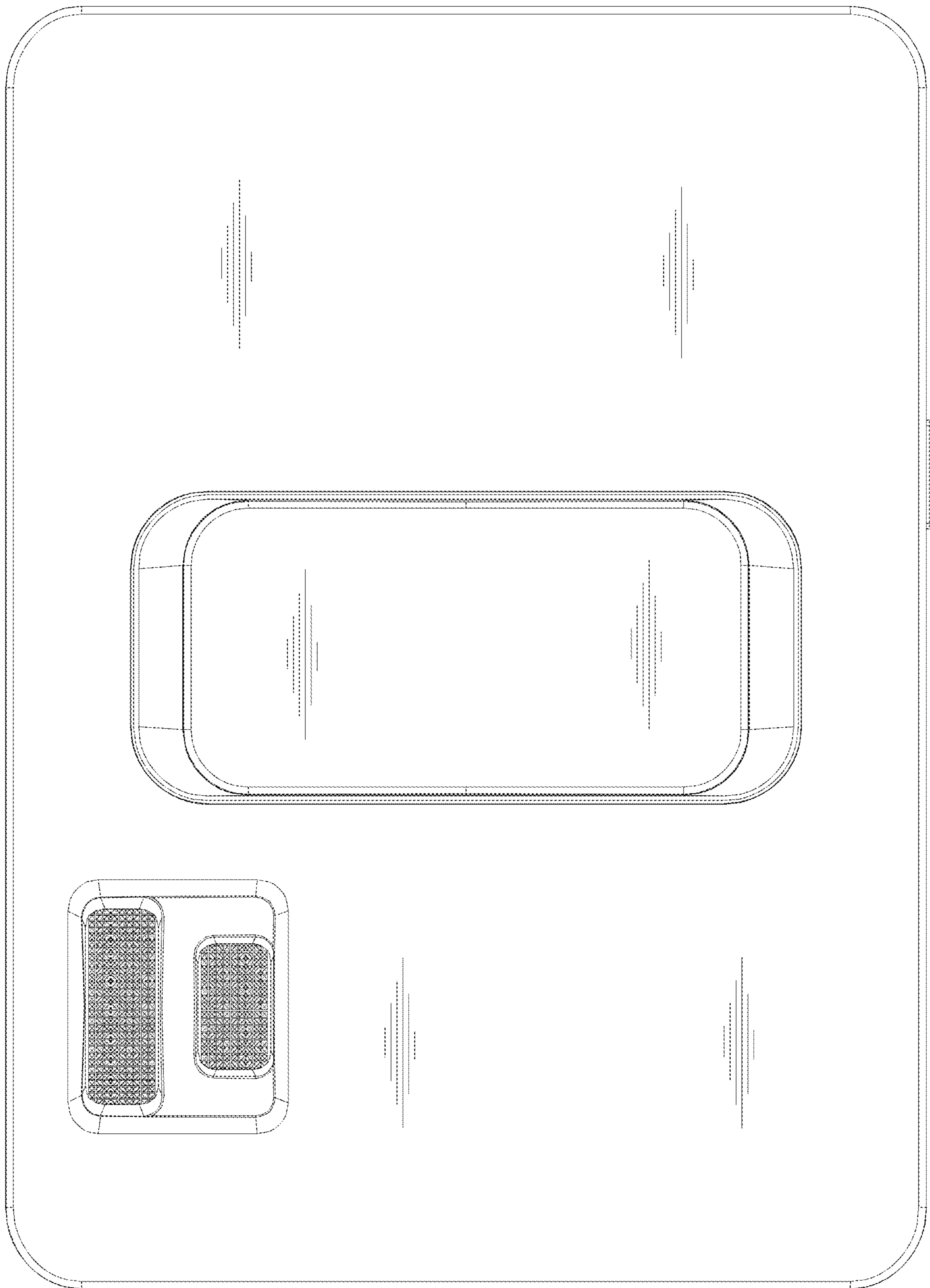


FIG. 2

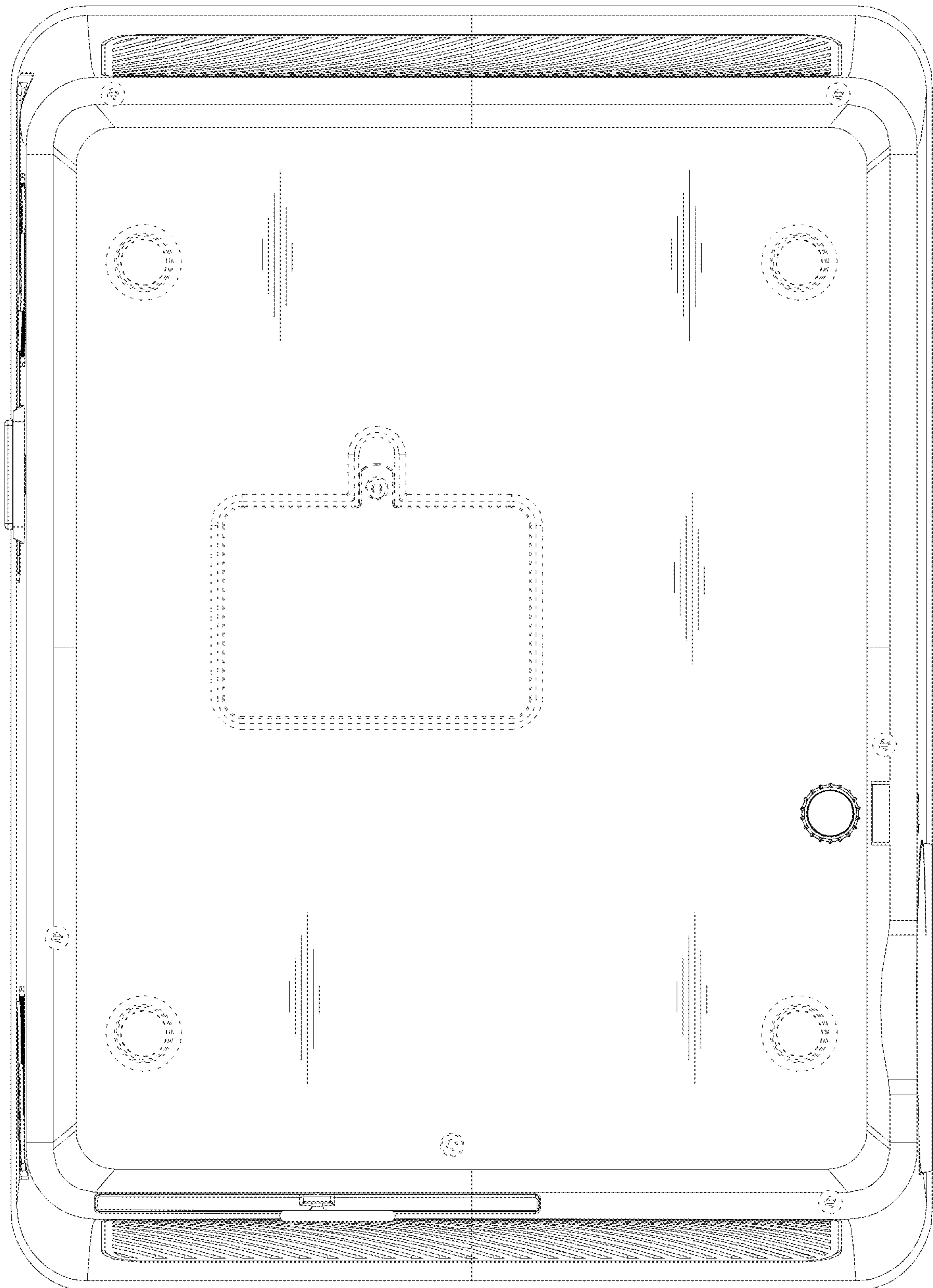


FIG. 3

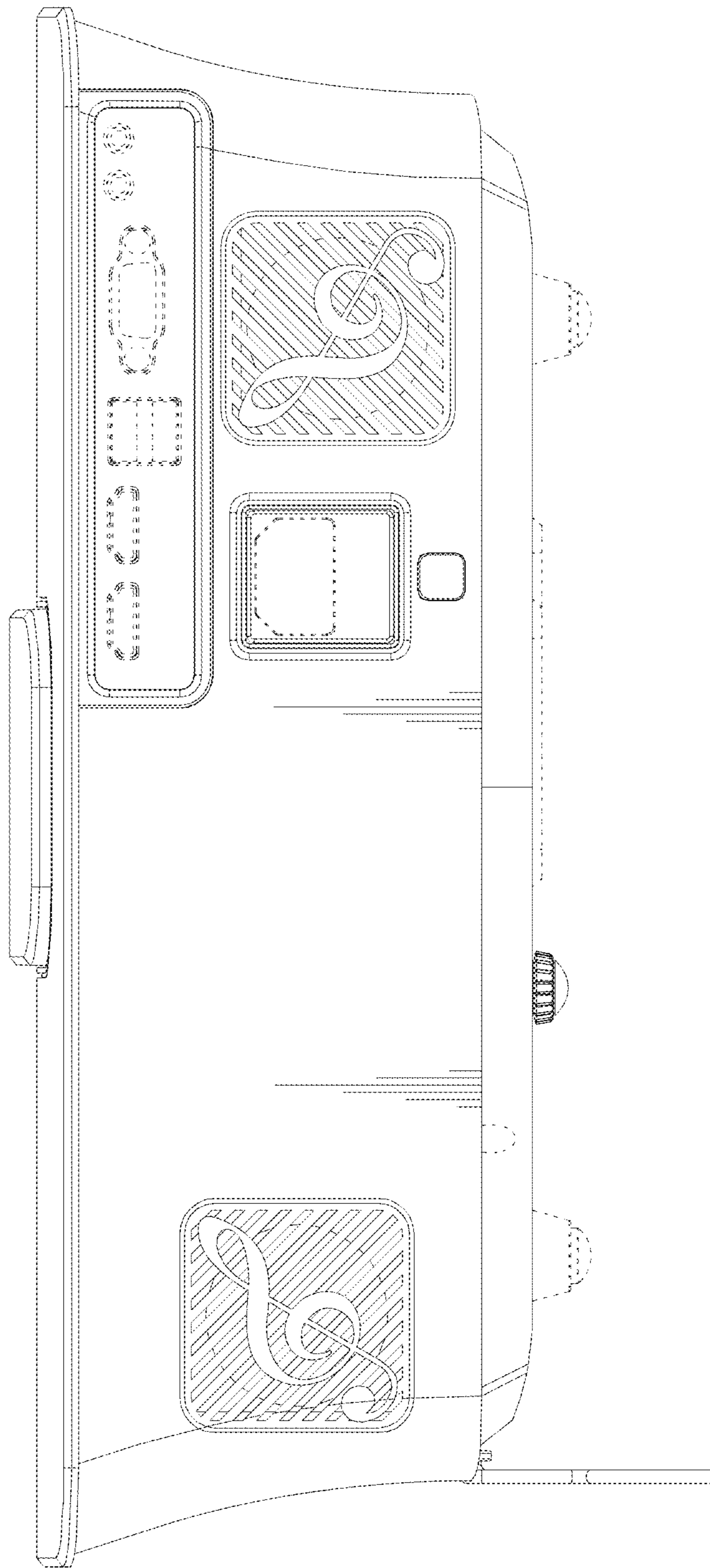


FIG. 4

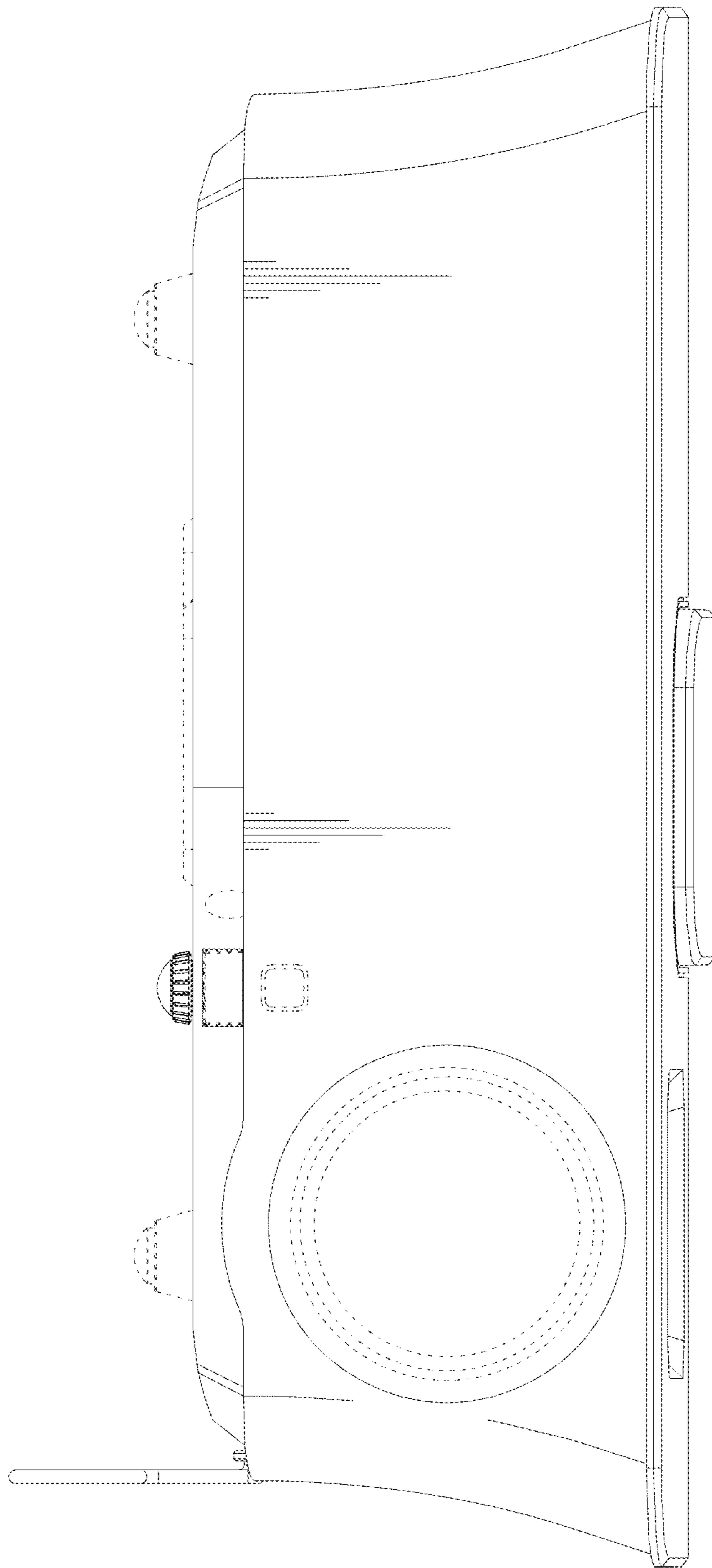


FIG. 5



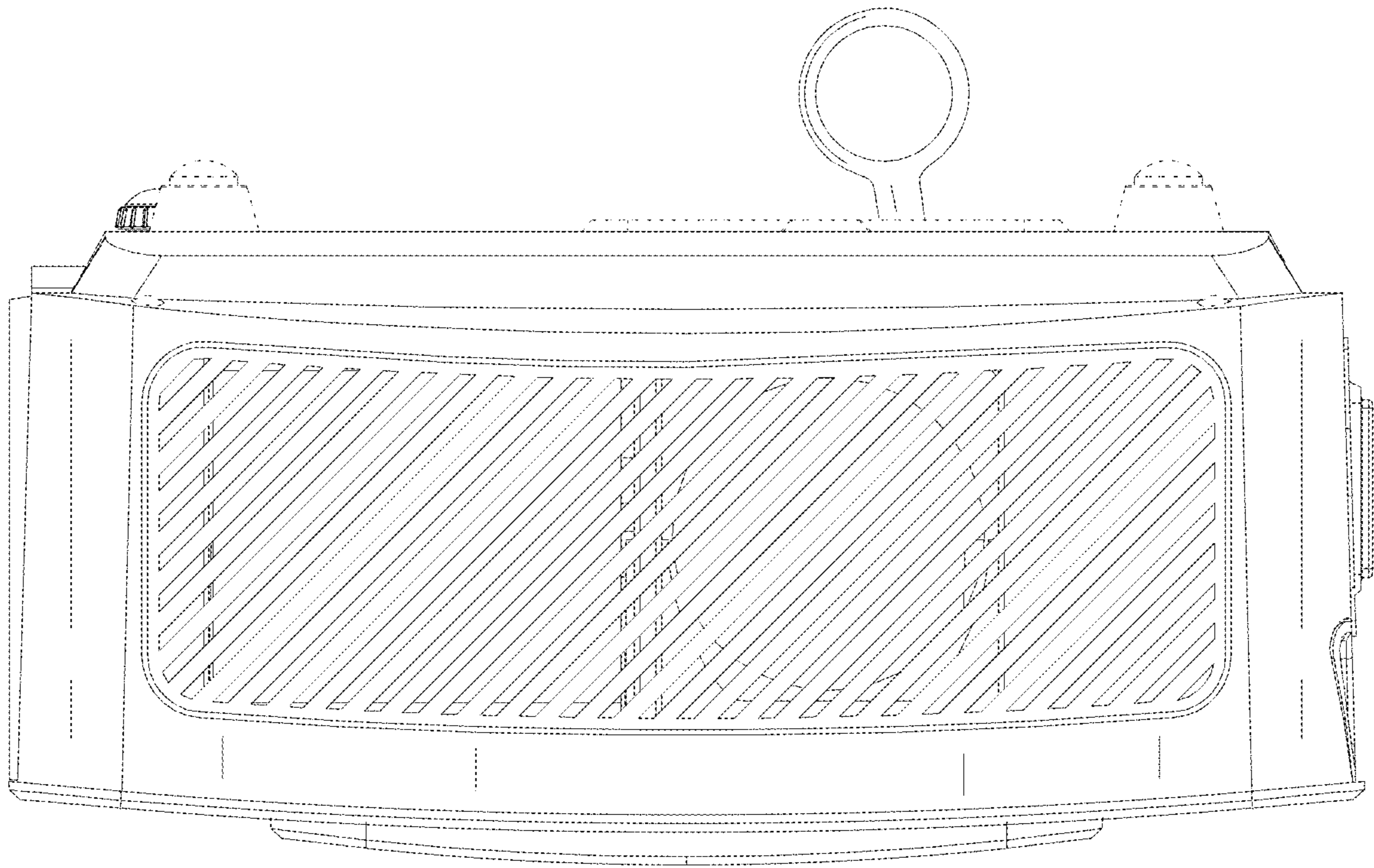


FIG. 6

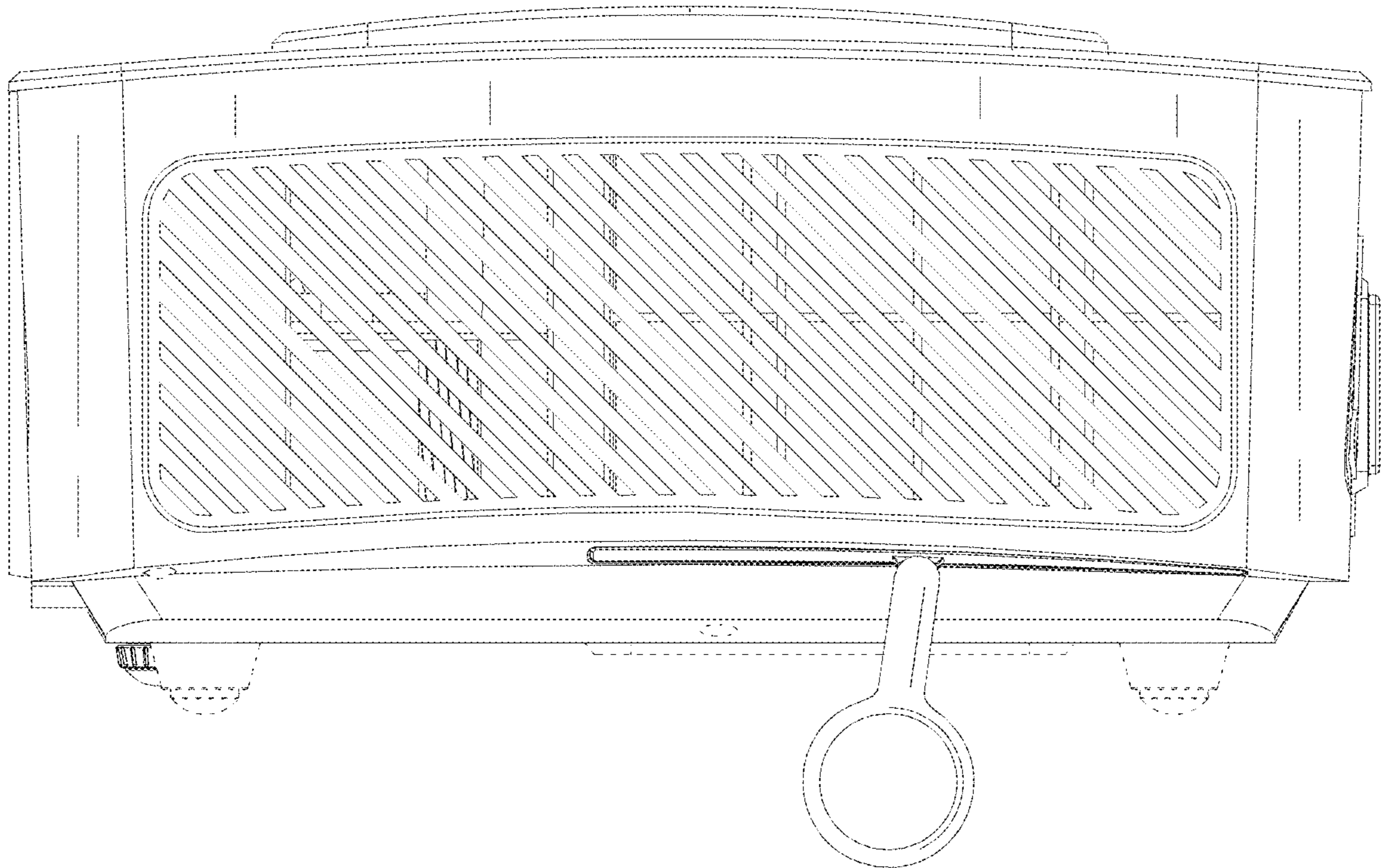


FIG. 7