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

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(54) **REPEATER FOR COMMUNICATIONS APPARATUS**

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

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(52) **U.S. Cl.**  
USPC ..... **D14/240**

(58) **Field of Classification Search**  
USPC .... D14/240, 242, 357, 358, 140-140.9, 155,  
D14/125, 348, 349, 351, 354, 355  
CPC ..... H04L 12/00; H03K 17/00; H04W 88/00;  
H04W 88/005; H04W 88/02; H04W  
88/08; H04W 88/085; H04W 88/10;  
H04W 88/12; H04W 88/14; H04B 1/38  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D339,349 S \* 9/1993 Hayasaka ..... D14/188  
D599,754 S \* 9/2009 Xie ..... D14/125  
D664,130 S \* 7/2012 Lee ..... D14/240  
D670,277 S \* 11/2012 Huang ..... D14/240

8,412,265 B2 \* 4/2013 Wu ..... H04M 1/0264  
396/326  
D712,901 S \* 9/2014 Daniel ..... D14/240  
D782,476 S \* 3/2017 Yamazaki ..... D14/240  
D815,077 S \* 4/2018 Sibley ..... D14/242

**FOREIGN PATENT DOCUMENTS**

CN 307107868 \* 2/2022

\* cited by examiner

*Primary Examiner* — Bridget L Eland

(57) **CLAIM**

The ornamental design for a repeater for communications apparatus, as shown and described.

**DESCRIPTION**

FIG. 1 is a bottom, front and right side perspective view of a repeater for communications apparatus showing my new design;

FIG. 2 is a top, rear and left side perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a left side elevational view thereof;

FIG. 6 is a right side elevational view thereof;

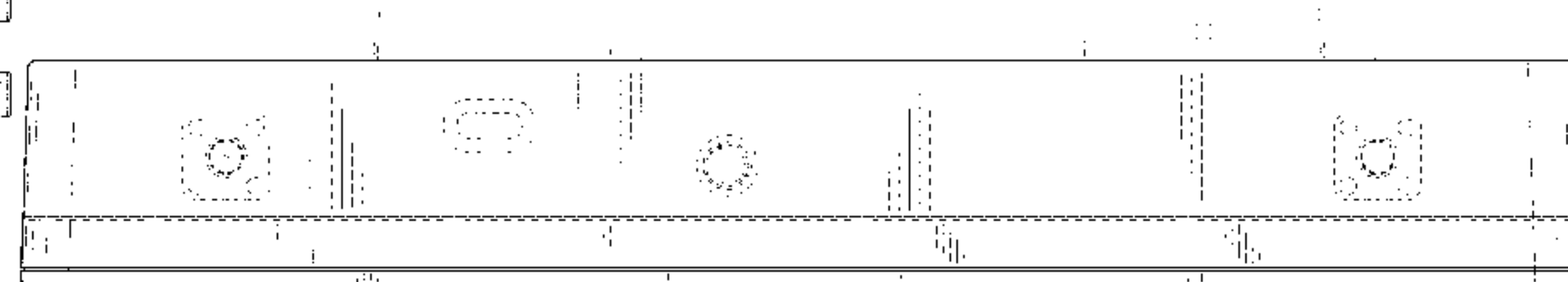
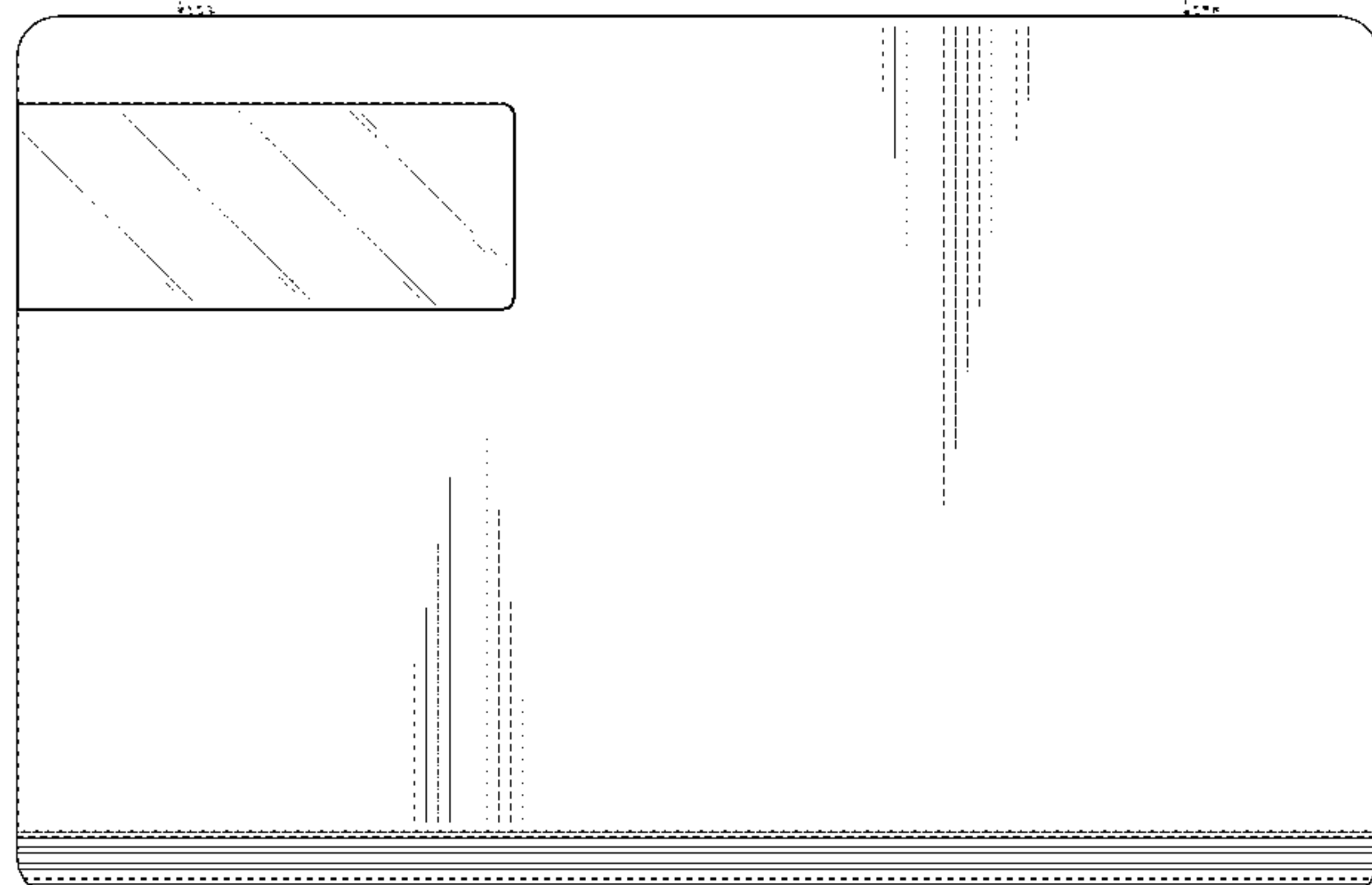
FIG. 7 is a top plan view thereof;

FIG. 8 is a bottom plan view thereof; and,

FIG. 9 is an enlarged view of the repeater for communications apparatus shown within the area designated as 9 in FIG. 1.

The broken lines in the drawings are for the purpose of illustrating portions of the repeater for communications apparatus that form no part of the claimed design. The dot-dashed broken line in FIG. 9 shows the boundary of the enlarged view and forms no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



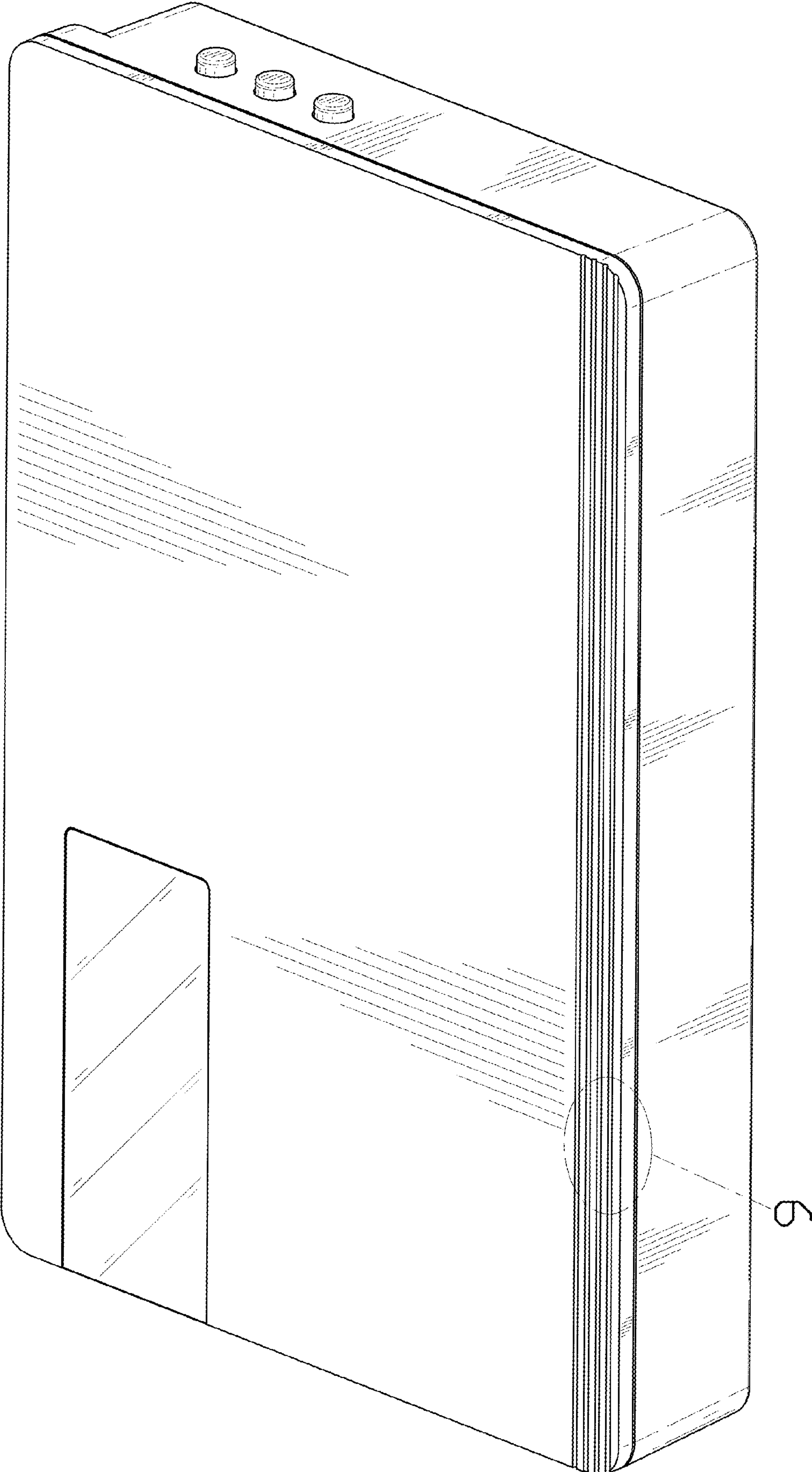


FIG. 1

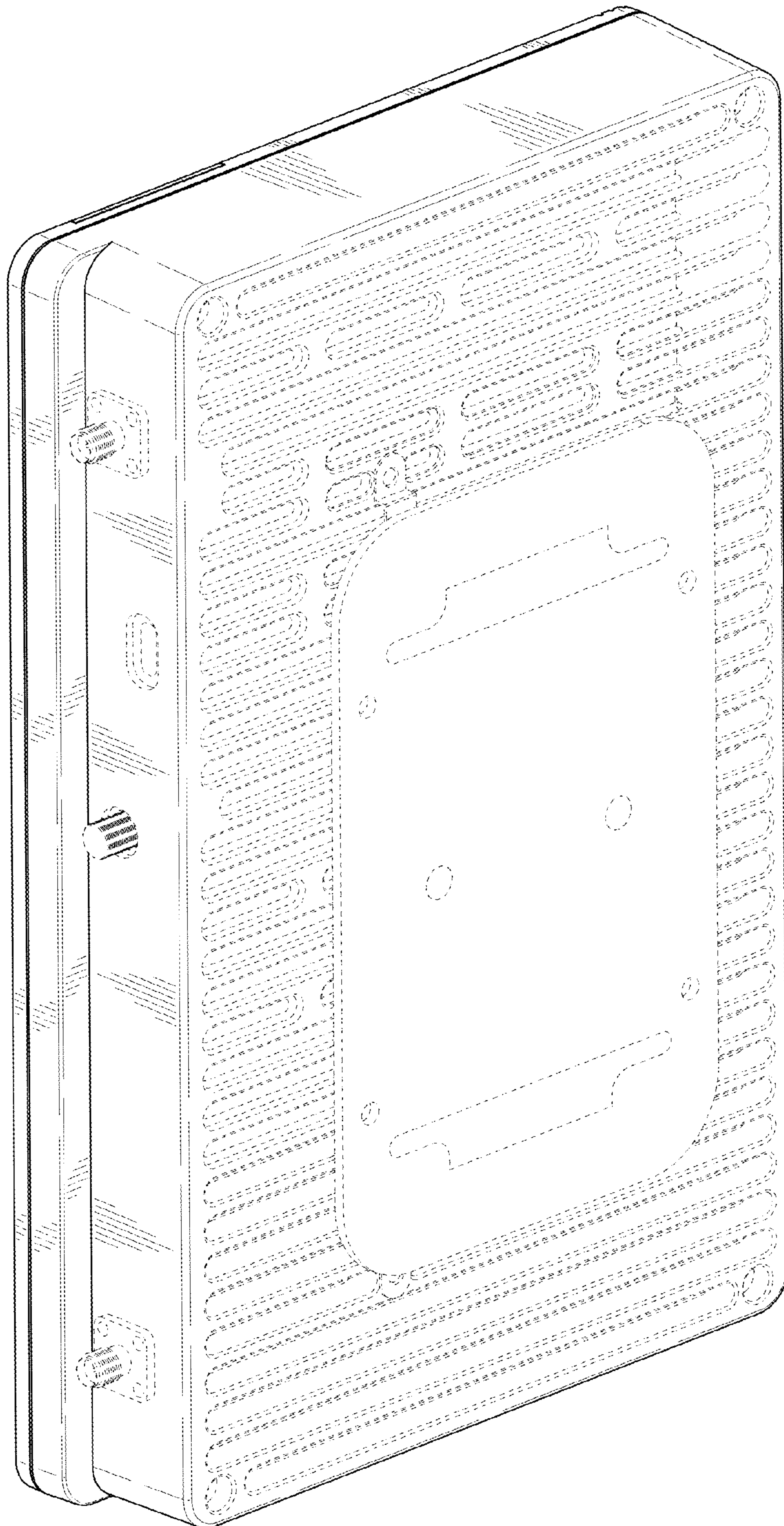


FIG. 2



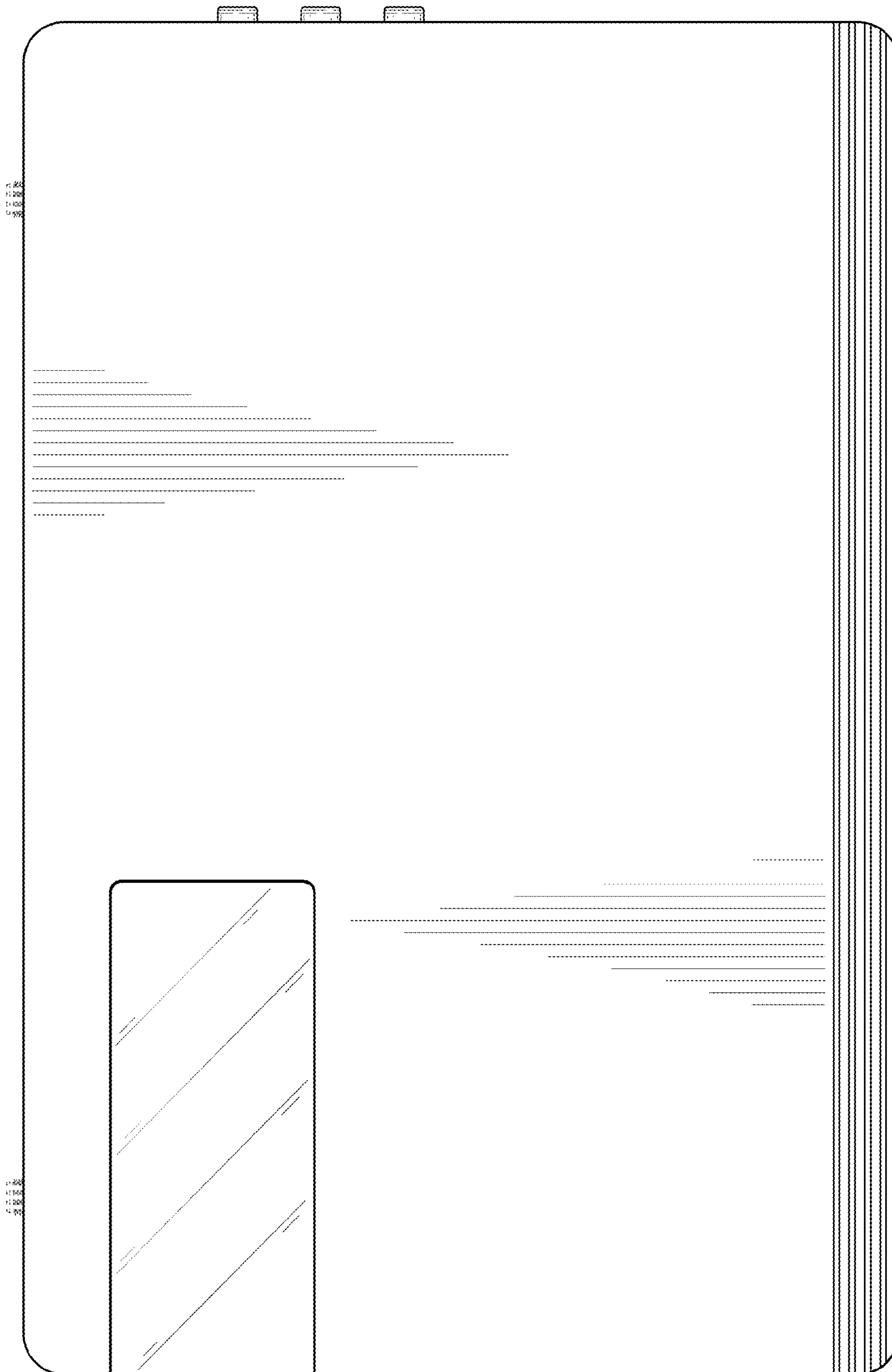


FIG. 3

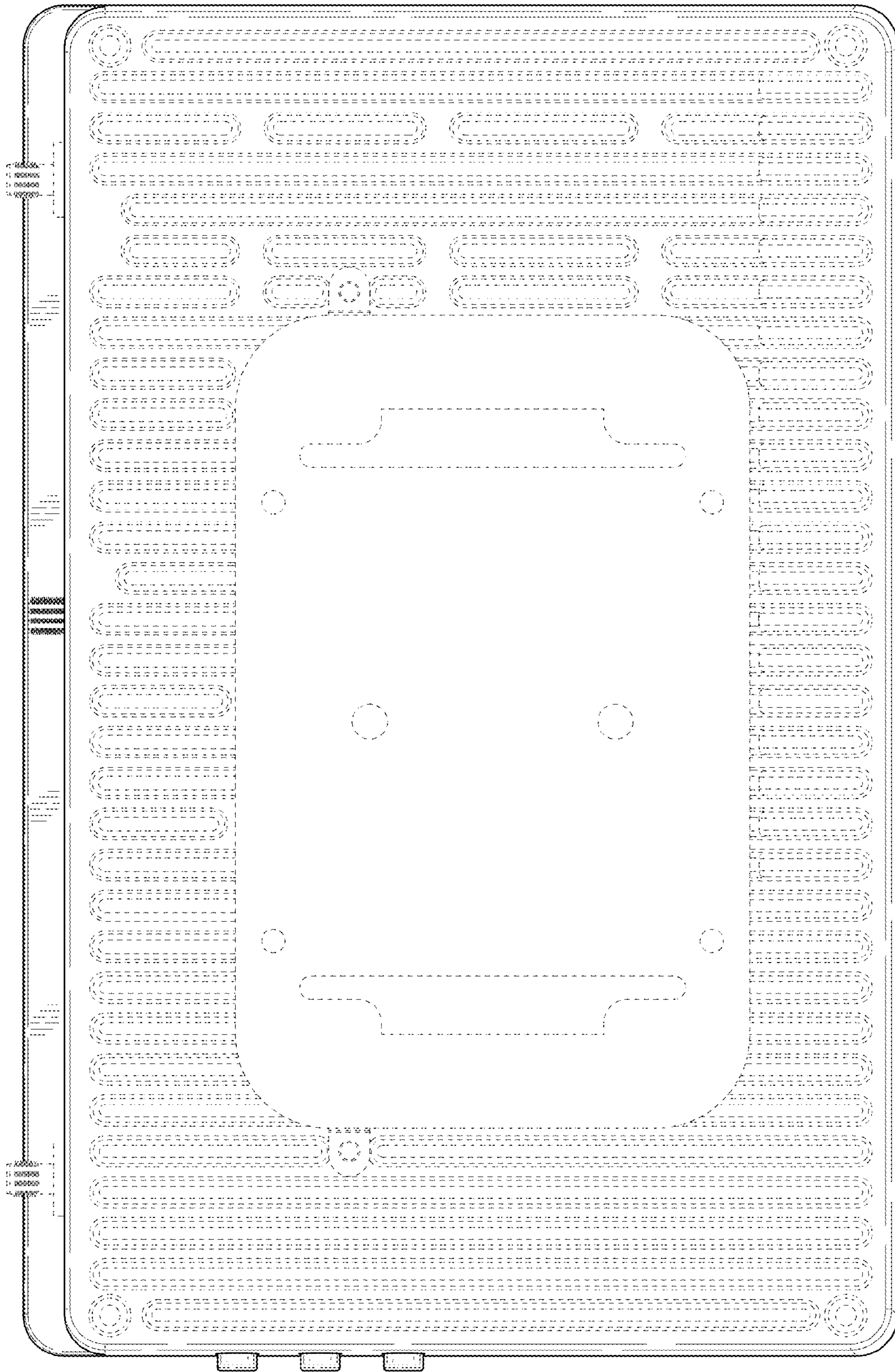


FIG. 4

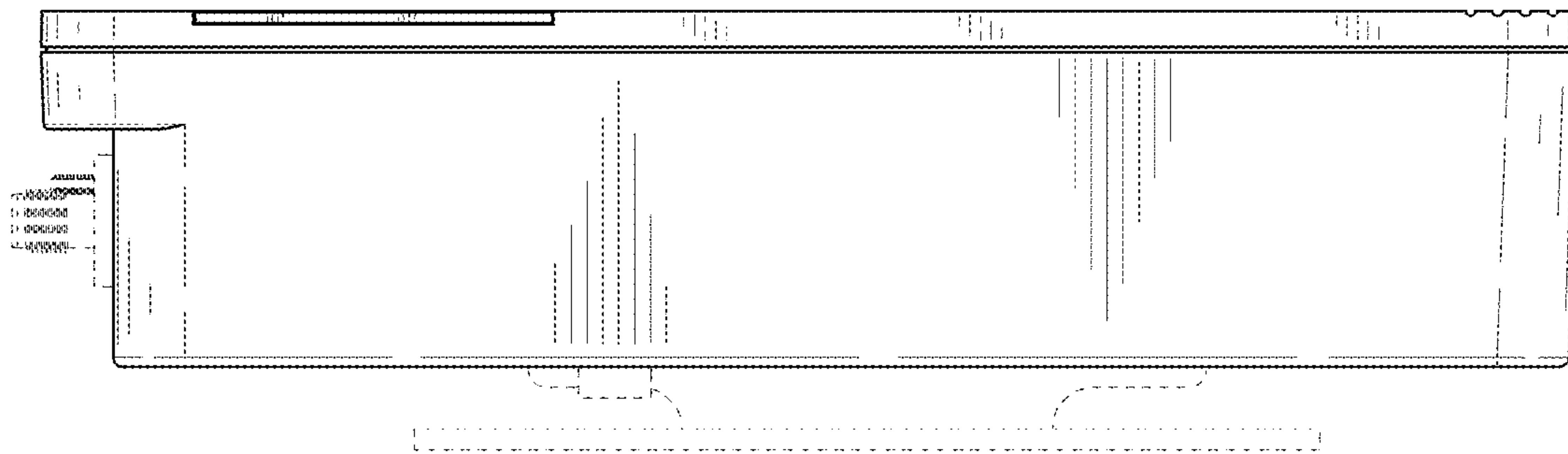


FIG. 5

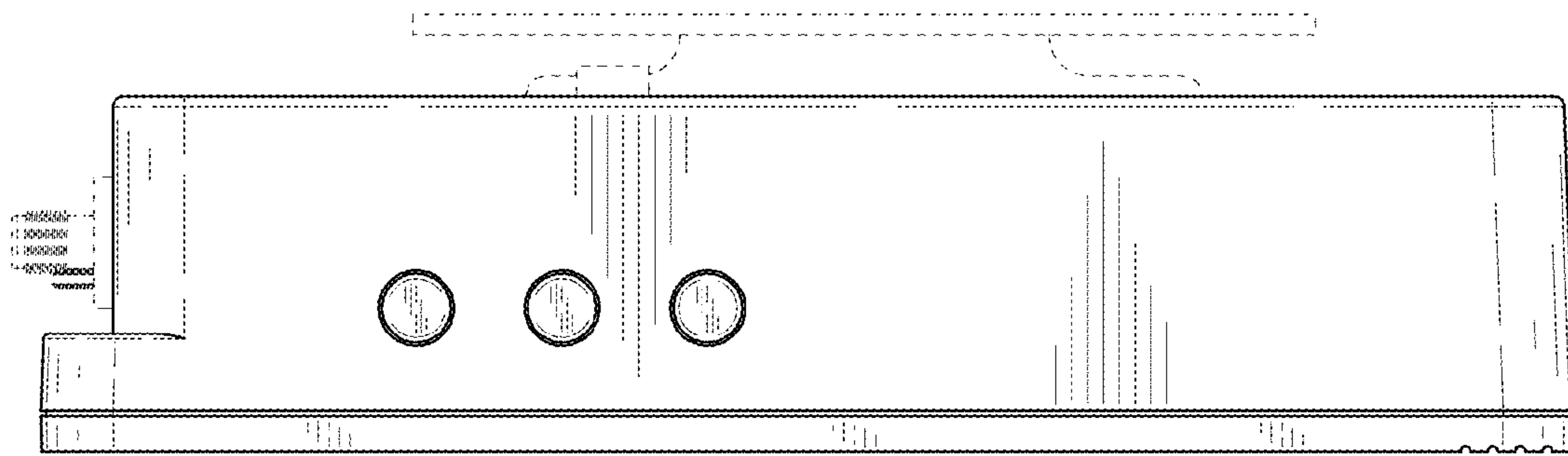


FIG. 6

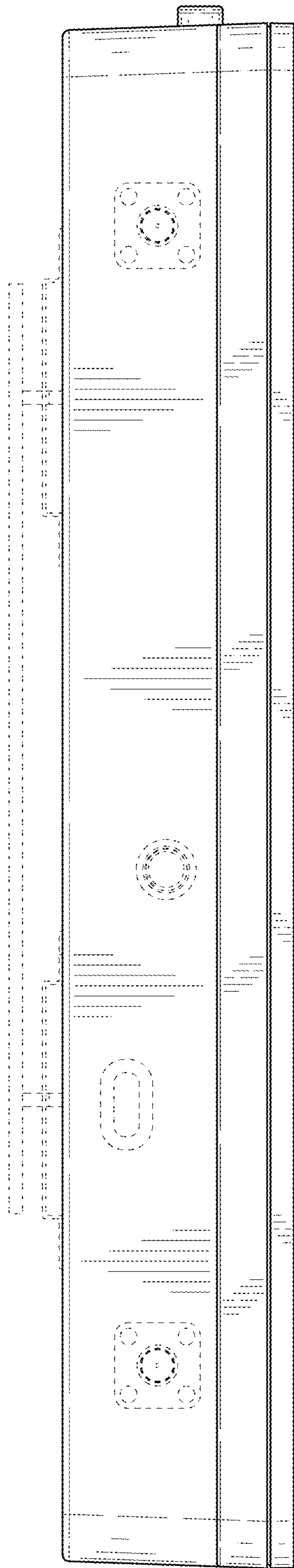


FIG. 7



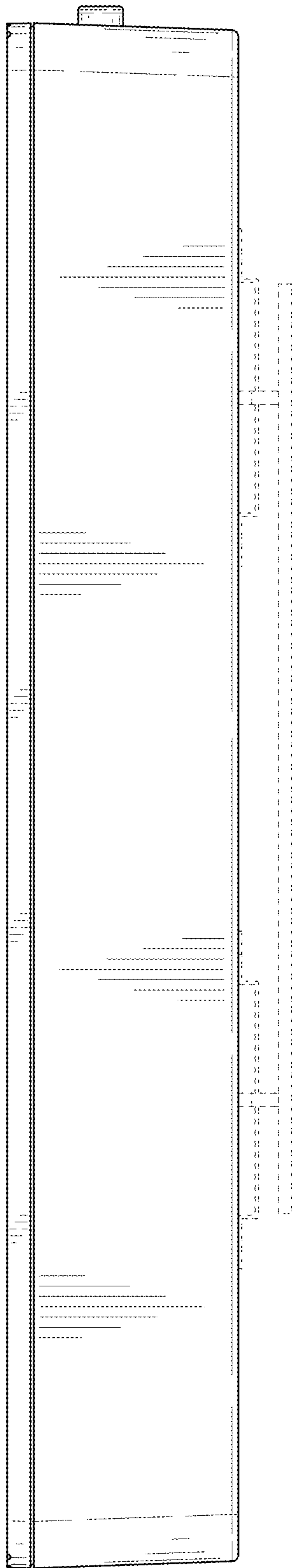


FIG. 8

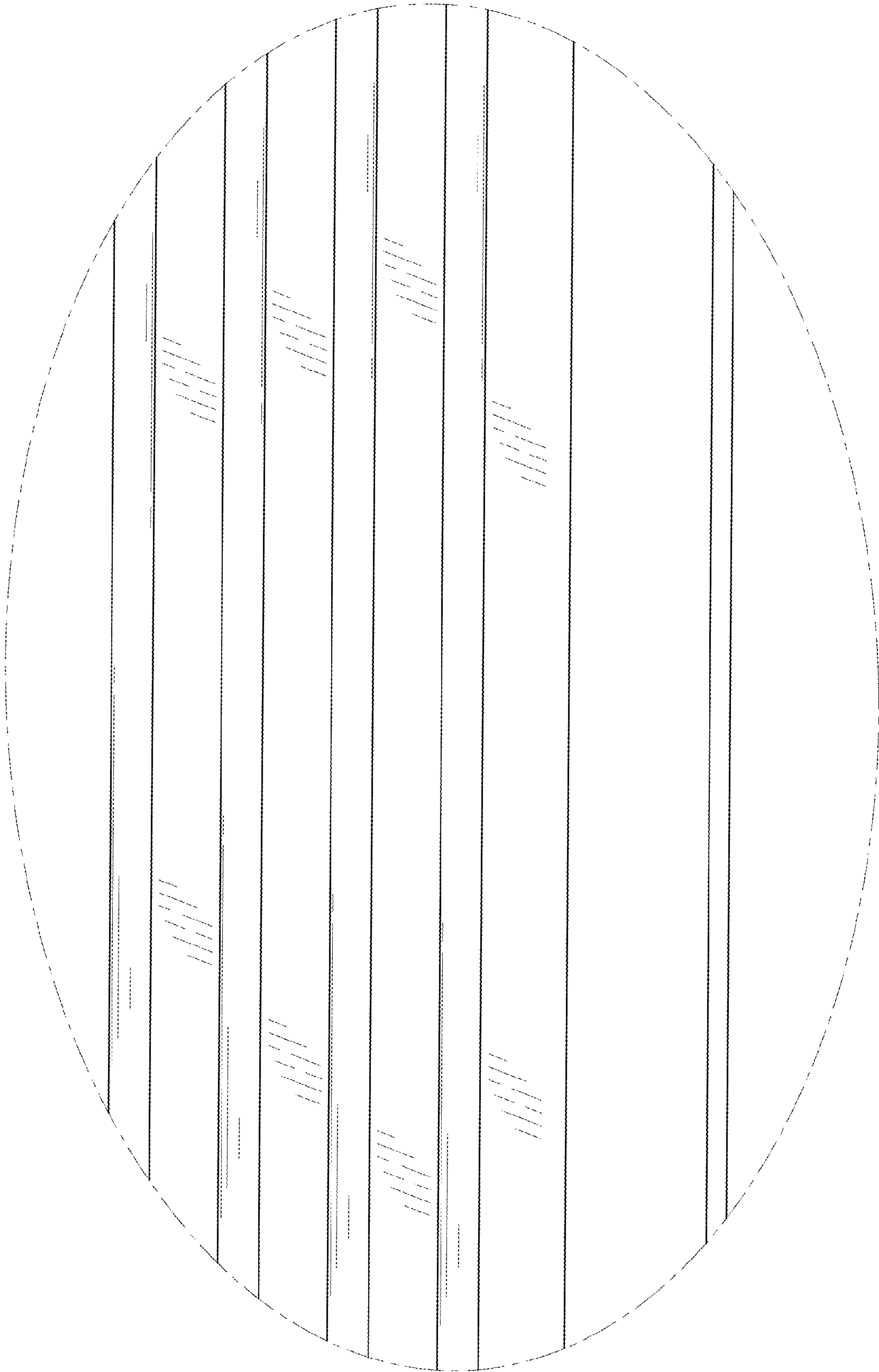


FIG. 9