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(12) **United States Design Patent** (10) **Patent No.:** **US D1,002,559 S**  
**Luo et al.** (45) **Date of Patent:** **\*\* Oct. 24, 2023**

(54) **CONTROLLER**

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

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(51) **LOC (14) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/162**

(58) **Field of Classification Search**

USPC .... D13/162, 168; D10/49, 50, 104.1, 106.1;  
D14/155, 240, 341, 358, 371, 374  
CPC ..... F24F 11/30; F24F 11/50; G05B 19/042;  
G05B 19/0426; G05B 19/05; G05B  
19/409; G05B 15/02; H05B 47/10; H05B  
47/11; H05B 47/19; H05B 45/20; G06F  
3/041; G06F 3/044; G06F 3/0482; G06F  
3/0488; G06F 3/0489; A01G 7/045;  
A01G 9/24; A01G 9/249; H05K 5/0017;  
H05K 5/0018

See application file for complete search history.

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*Primary Examiner* — Selina Sikder

(57) **CLAIM**

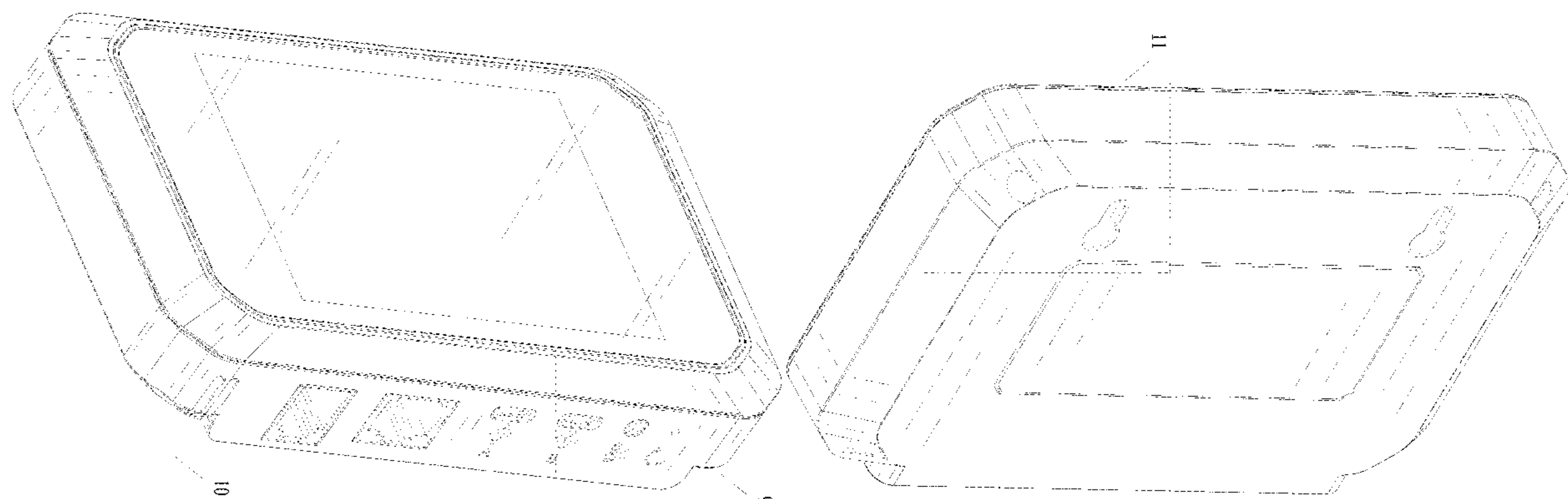
The ornamental design for a controller, as shown and  
described.

**DESCRIPTION**

FIG. 1 is a top, right side, rear perspective view of a  
controller embodying my new design;  
FIG. 2 is a bottom, left side, front perspective view thereof;  
FIG. 3 is a front elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is an enlarged left side elevation view thereof;  
FIG. 6 is an enlarged right side elevation view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is an enlarged view of the selected portion 9 in FIG.  
1;  
FIG. 10 is an enlarged view of the selected portion 10 in  
FIG. 1;  
FIG. 11 is an enlarged view of the selected portion 11 in FIG.  
2;  
FIG. 12 is an enlarged view of the selected portion 12 in  
FIG. 4; and,  
FIG. 13 is an enlarged view of the selected portion 13 in  
FIG. 7.

The broken lines shown in the figures depict portions of the  
controller that form no part of the claimed design. The  
dash-dot broken lines in the figures are demarcating  
enlarged areas and form no part of the claimed design.

**1 Claim, 13 Drawing Sheets**



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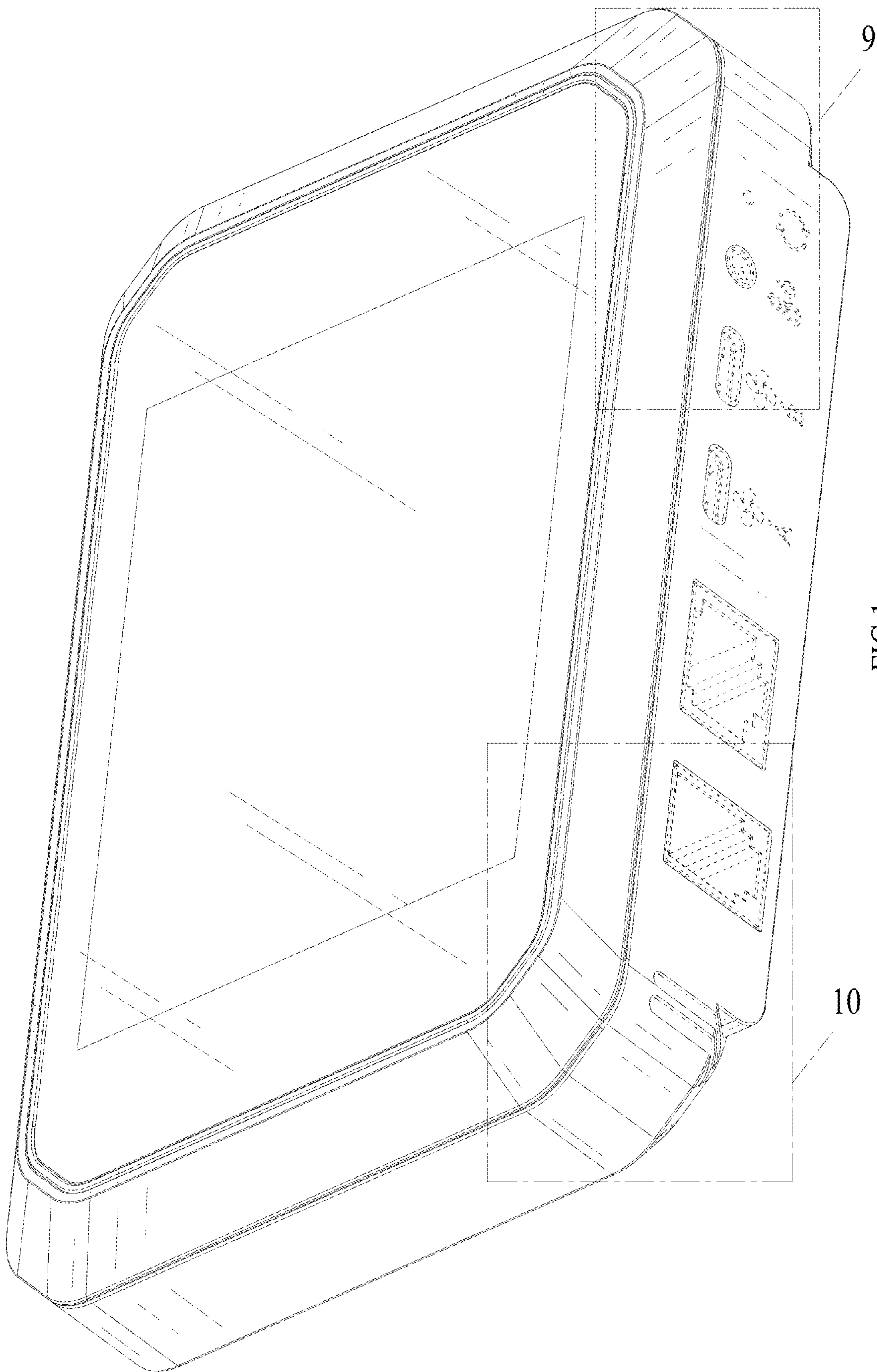


FIG. 1

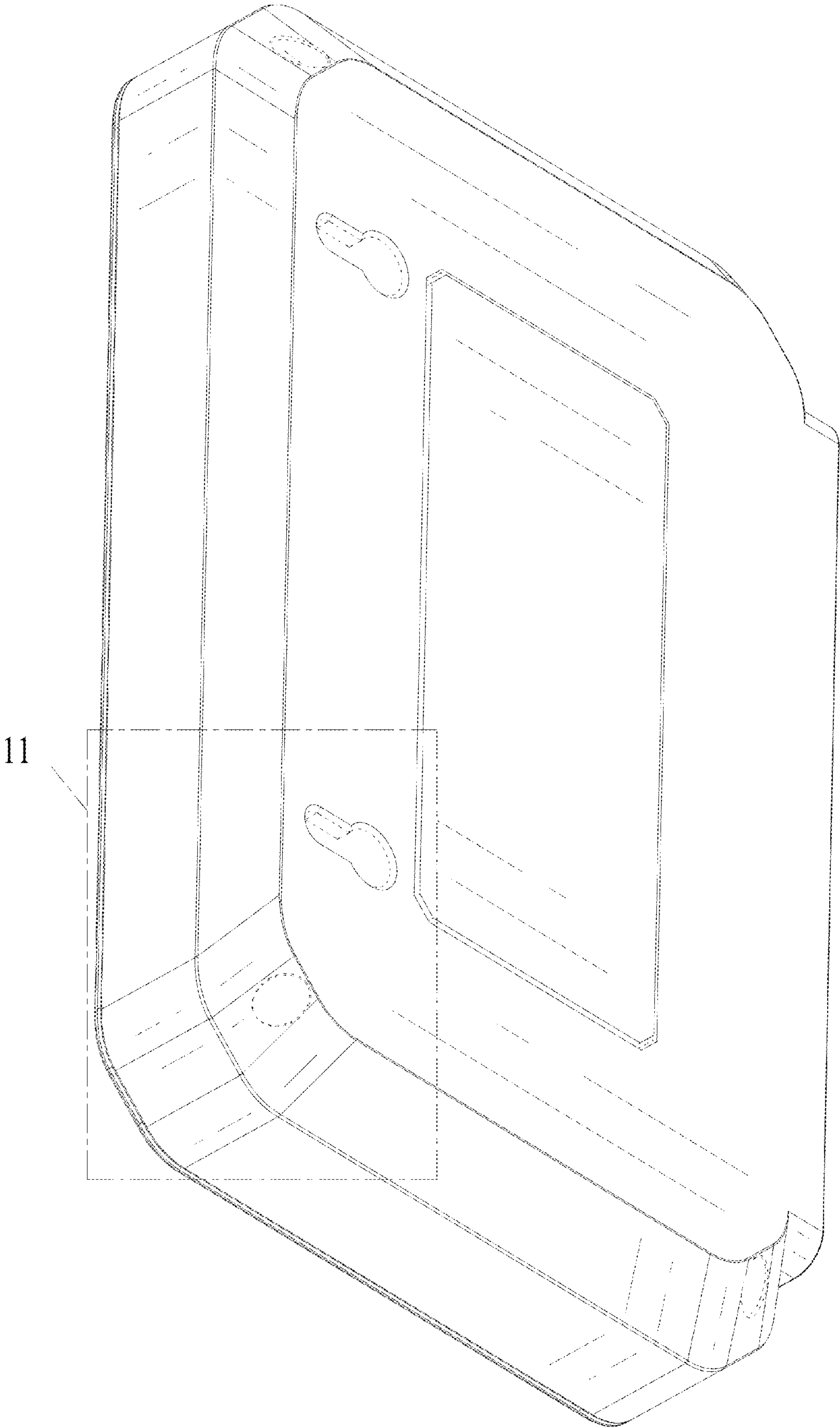


FIG.2

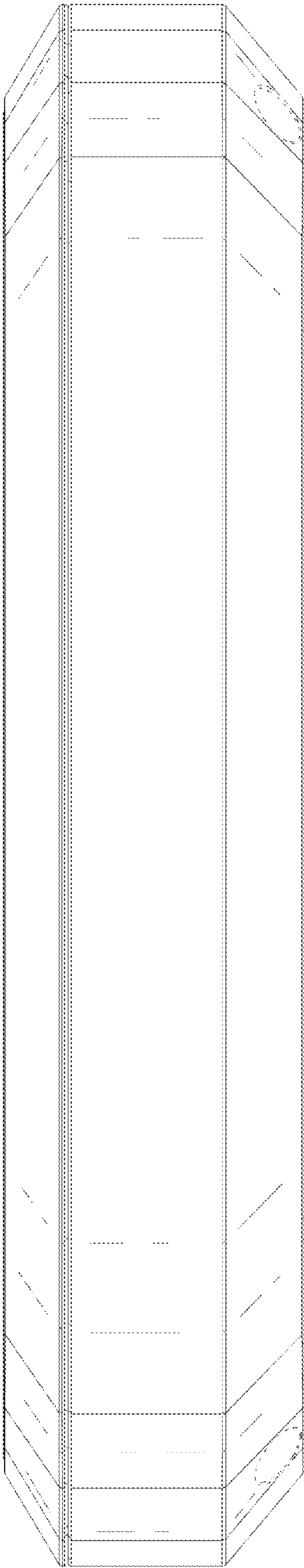


FIG.3

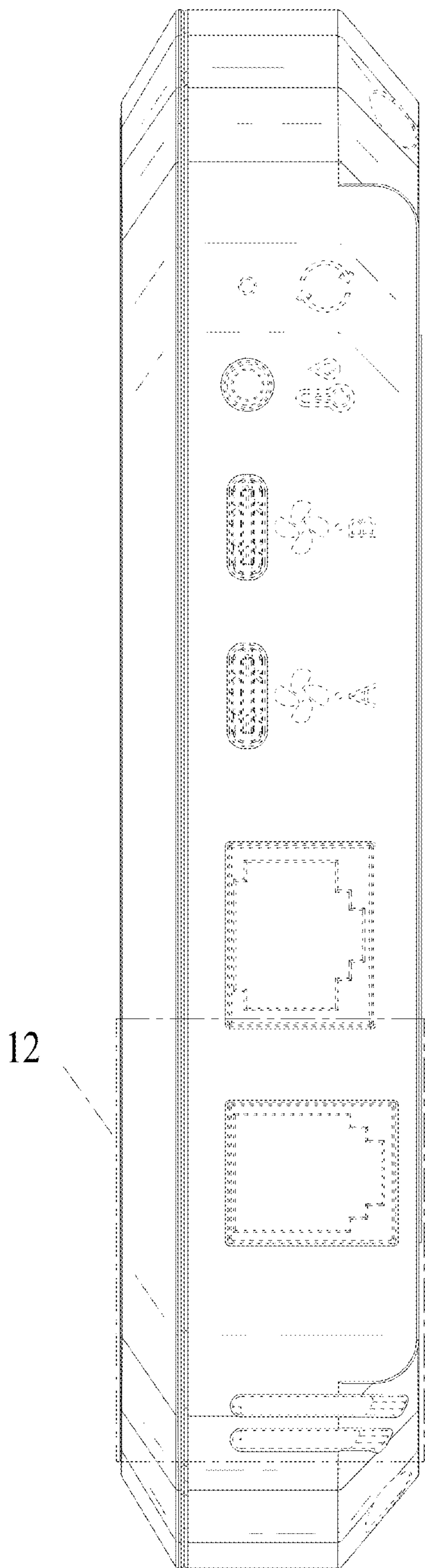


FIG.4

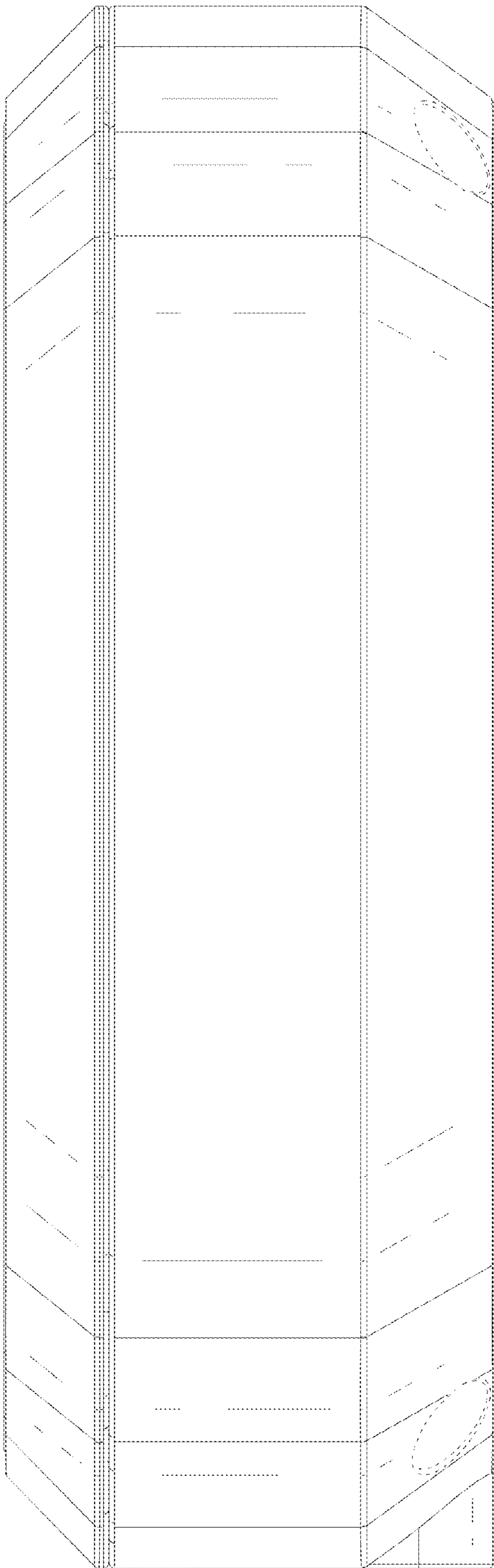


FIG.5

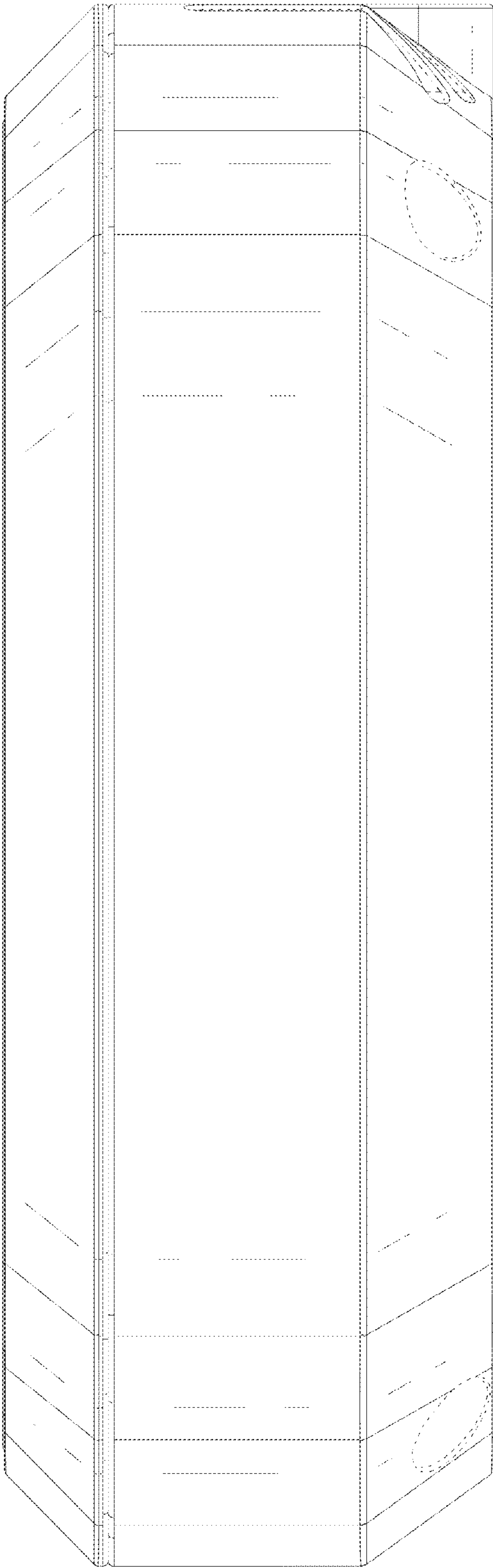


FIG.6

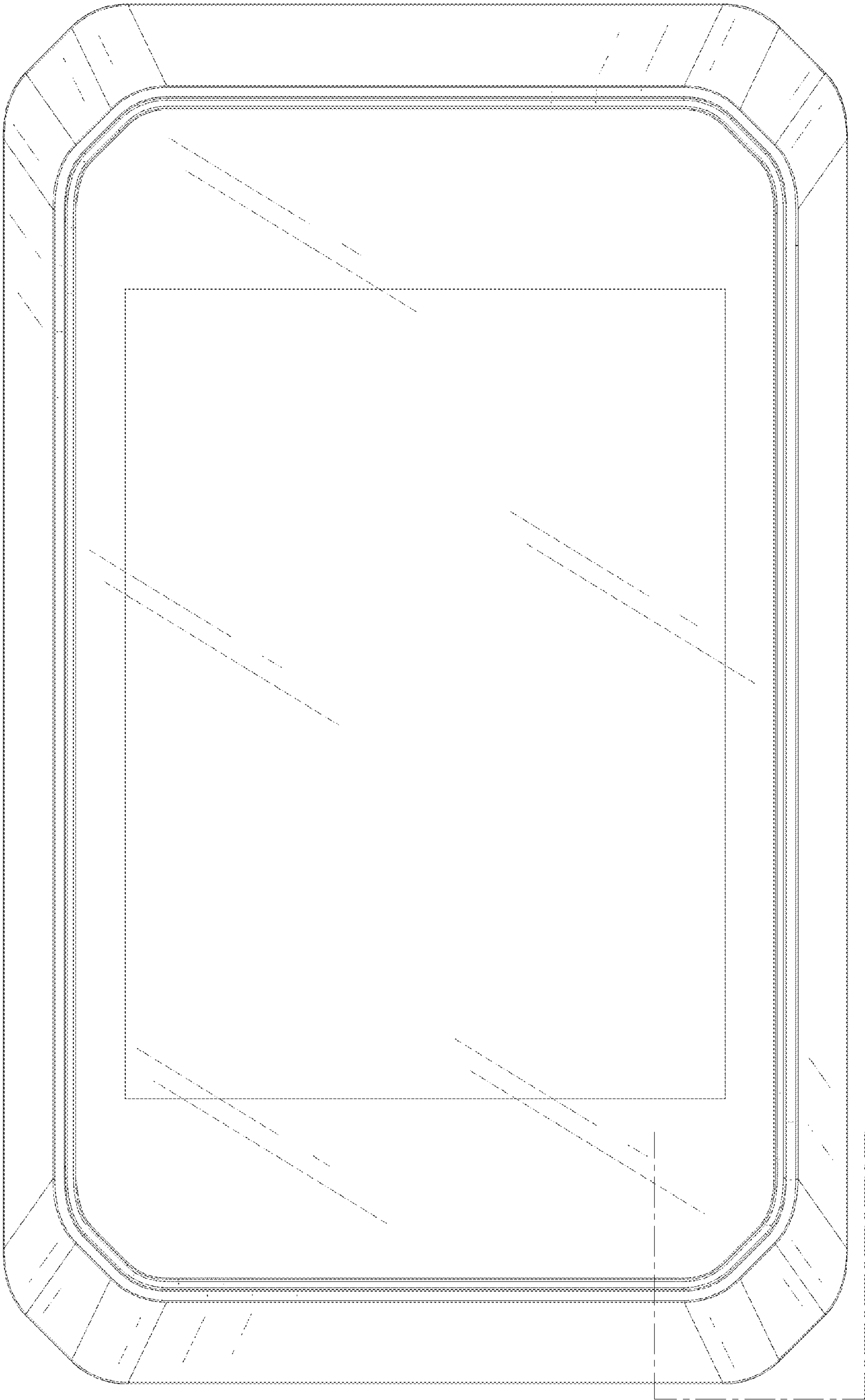


FIG. 7

13

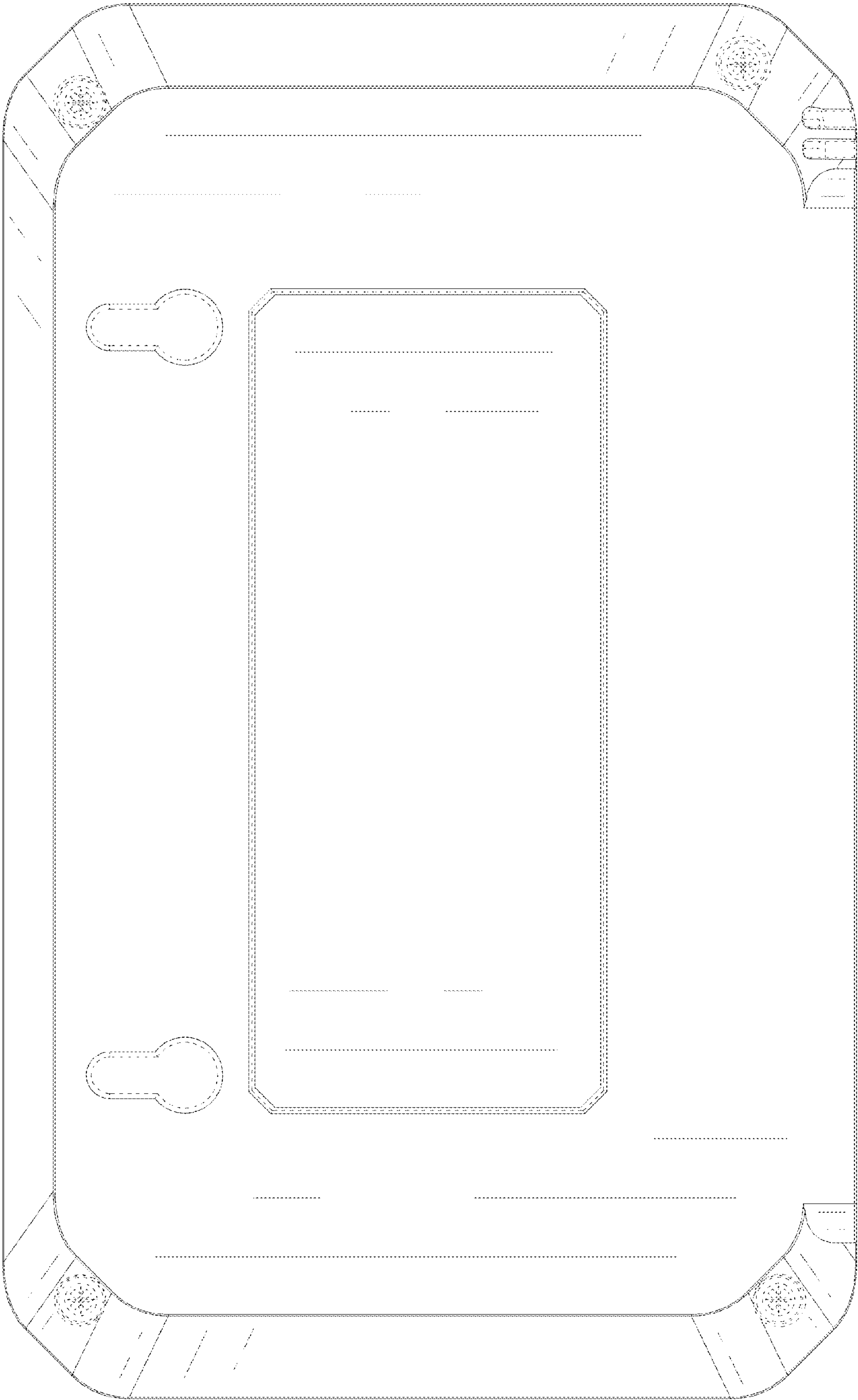


FIG. 8

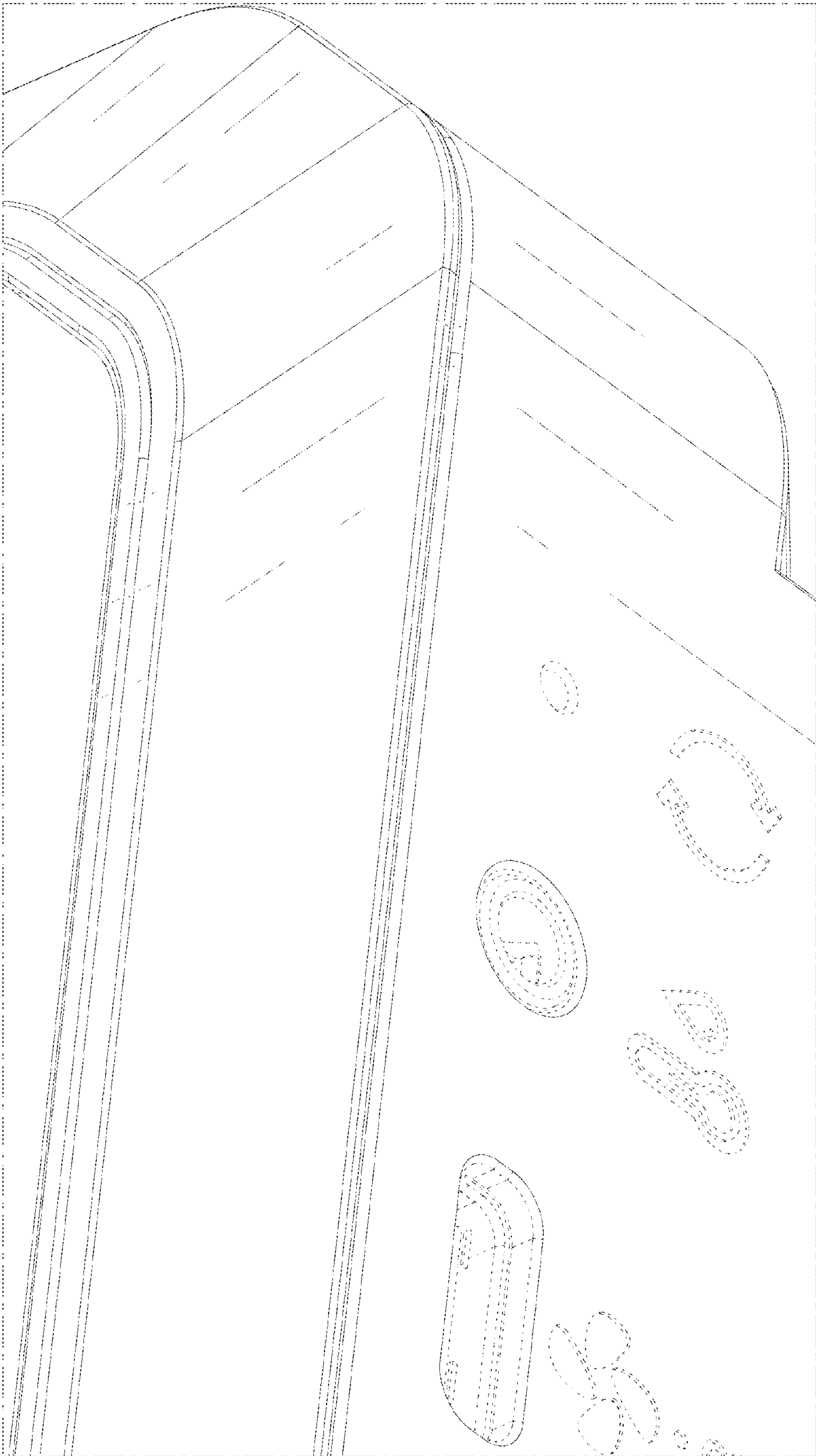


FIG. 9

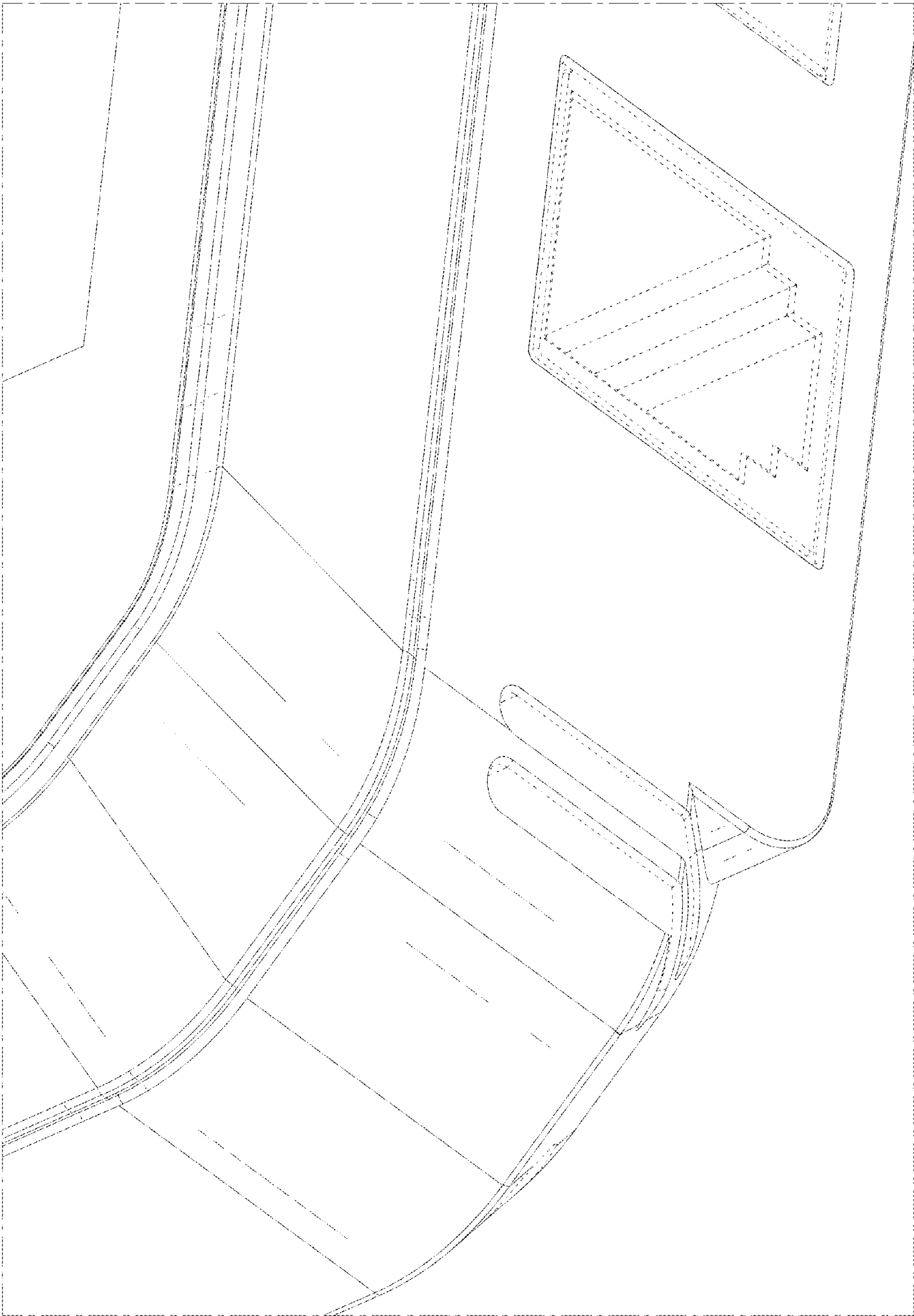


FIG.10

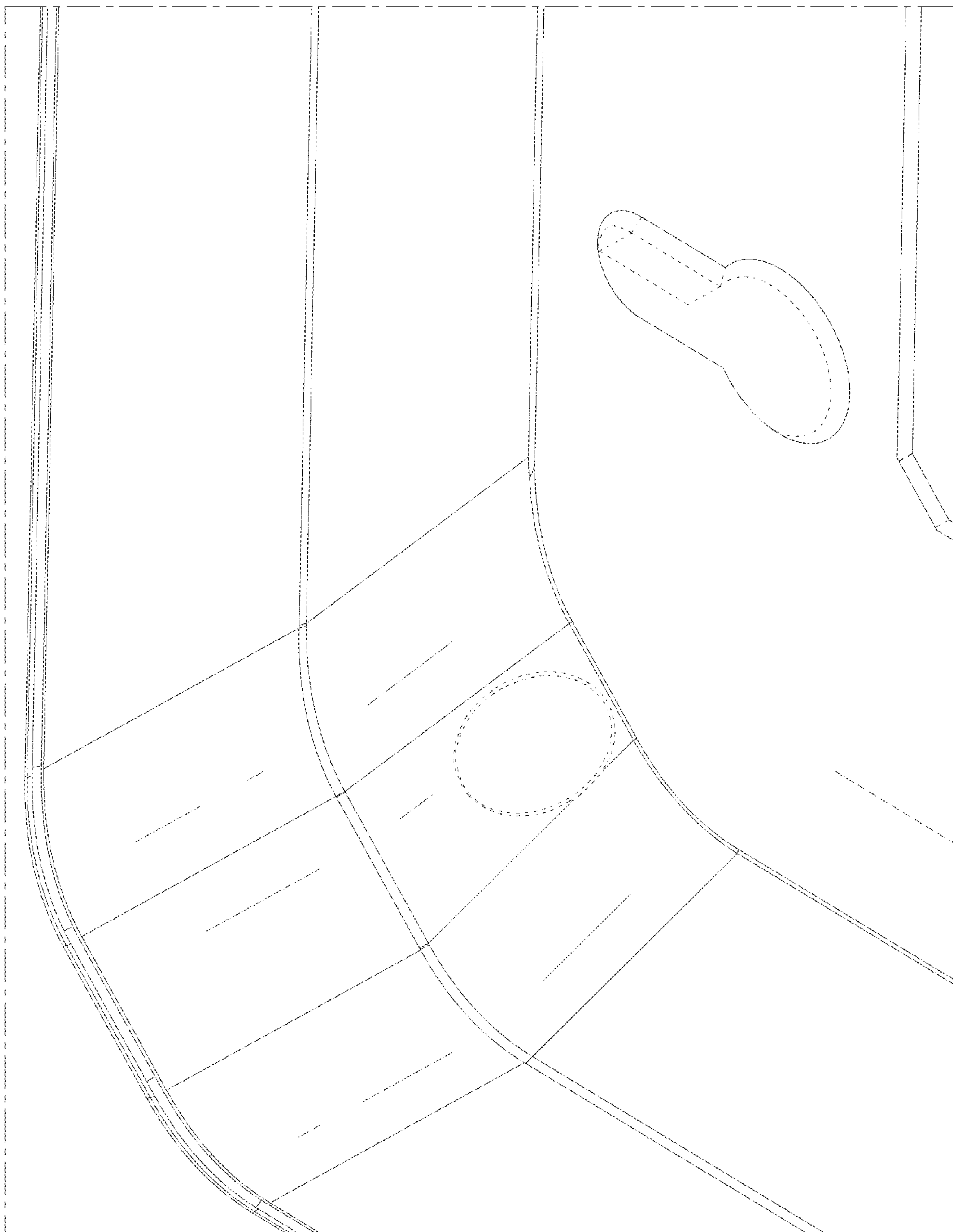


FIG. 11

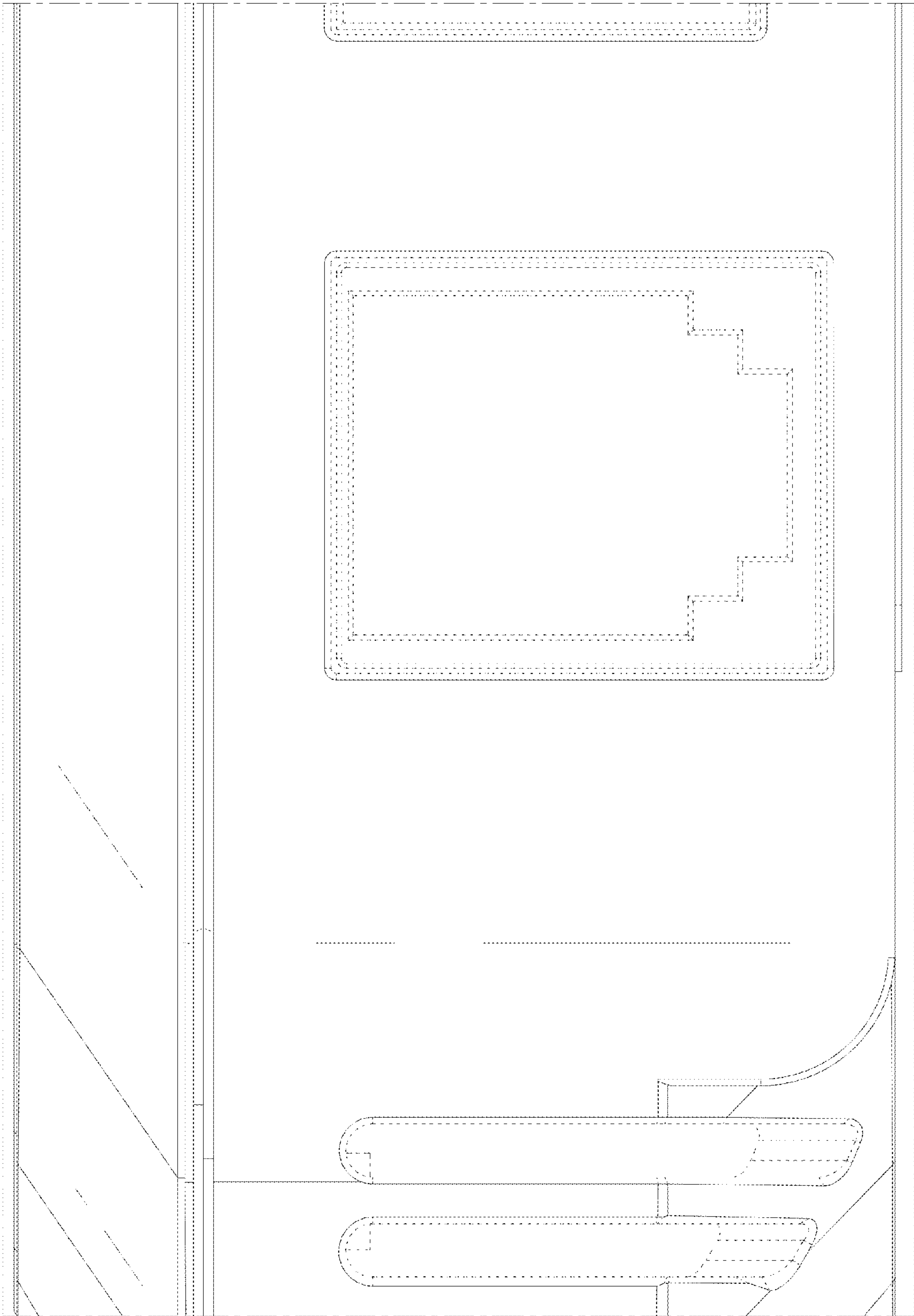


FIG.12

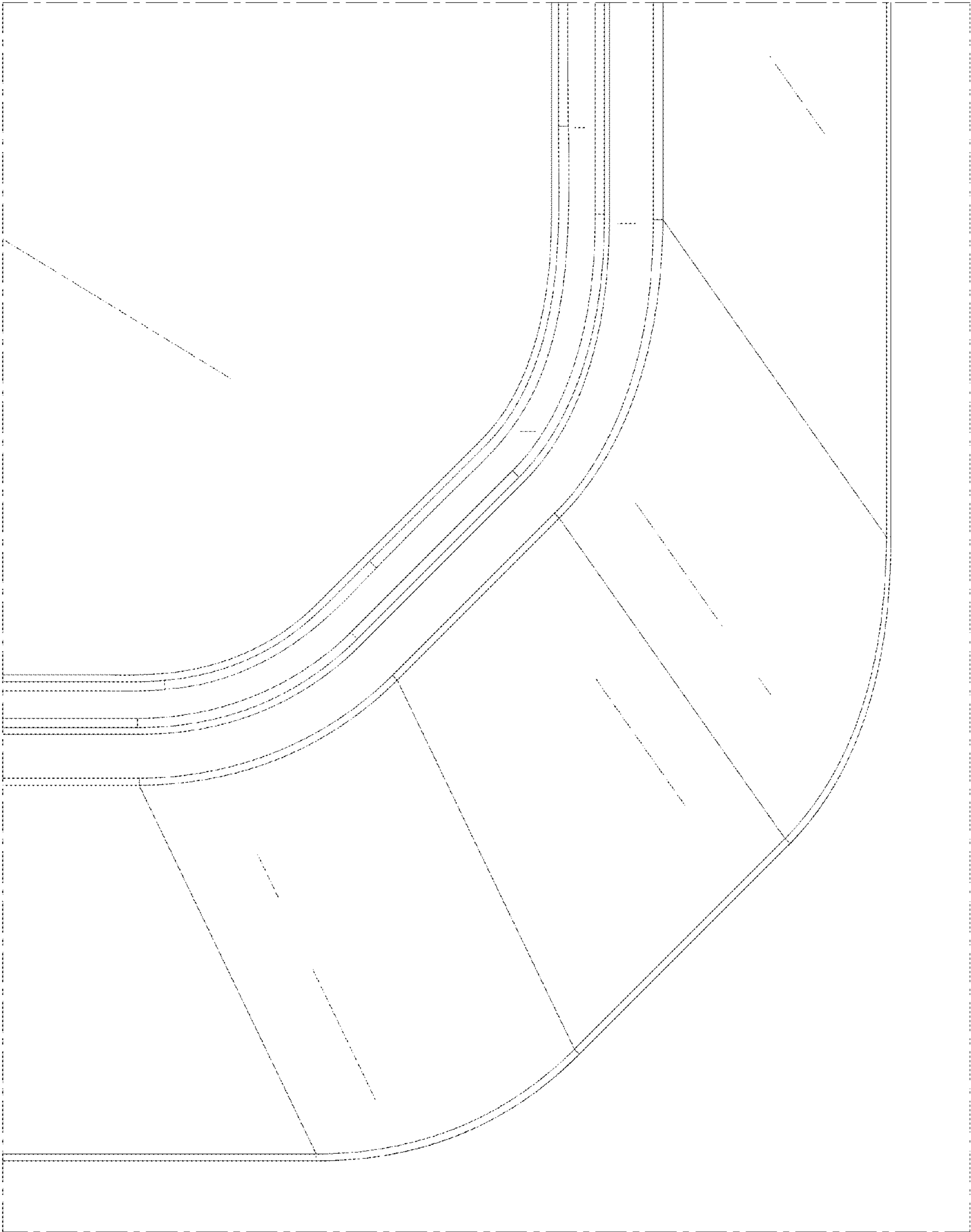


FIG.13