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(12) **United States Design Patent**  
**Chen**

(10) **Patent No.:** **US D977,122 S**  
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(54) **TENS UNIT MUSCLE STIMULATOR**

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

(21) Appl. No.: **29/804,710**

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(30) **Foreign Application Priority Data**

Aug. 18, 2021 (CN) ..... 202130537752.2

(51) **LOC (14) Cl.** ..... **24-01**

(52) **U.S. Cl.**  
USPC ..... **D24/200**

(58) **Field of Classification Search**  
USPC ..... D24/112–113, 127, 130, 133, 140,  
D24/144–147, 170, 200, 206, 209,  
D24/185–186, 165, 215; D14/344;  
D13/110, 162, 164; D28/56–59, 7;  
D8/61–62, 68–69, 71  
CPC ..... A61M 37/0076; A61M 37/0084; A61M  
37/00; A61M 5/46; A61M 5/48; A61M  
37/0092; A61M 5/482; A61M 5/2466;  
Y10T 29/49826; A61H 19/30; A61H  
19/32;

(Continued)

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(57) **CLAIM**

The ornamental design for a TENS unit muscle stimulator, as shown and described.

**DESCRIPTION**

FIG. 1 is a front and right side perspective view of an ornamental design for a TENS unit muscle stimulator showing our new design;

FIG. 2 is a rear and left side perspective view of the TENS unit muscle stimulator;

FIG. 3 is a front view of the TENS unit muscle stimulator; FIG. 4 is a rear view of the TENS unit muscle stimulator; FIG. 5 is a left side view of the TENS unit muscle stimulator;

FIG. 6 is a right side view of the TENS unit muscle stimulator;

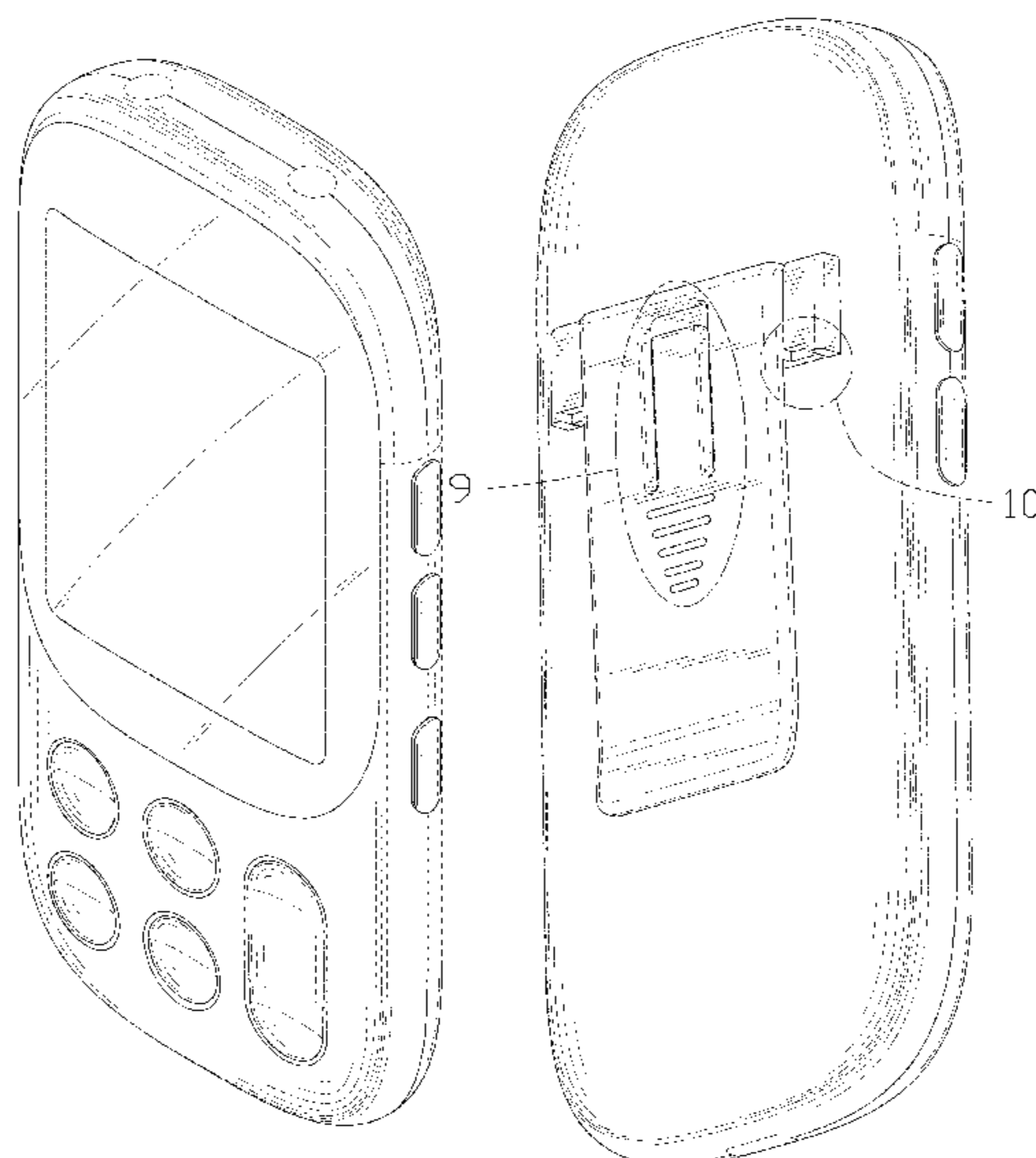
FIG. 7 is a top view of the TENS unit muscle stimulator; FIG. 8 is a bottom view of the TENS unit muscle stimulator; FIG. 9 is an enlarged view of the portion surrounded by the dash-dot line in FIG. 2; and,

FIG. 10 is an enlarged view of the portion surrounded by the dash-dot line in FIG. 2.

The broken lines in the drawings depict portions of the TENS unit muscle stimulator that form no part of the claimed design.

The oblique shading lines show a transparent or semi-transparent surface, and not surface ornamentation.

**1 Claim, 10 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... A61H 19/34; A61H 19/40; A61H 19/44;  
A61H 19/50; A61H 19/00; A61H  
2201/0153; A61H 2201/0207; A61H  
2201/0263; A61H 2201/0111; A61H  
2201/1253; A61H 2205/082; A61H  
2205/085; A61H 15/0085; A61N 1/36003;  
A61N 1/36014; A61N 1/36017; A61N  
1/36021; A61N 1/36; A61N 1/0456;  
A61N 1/36071

See application file for complete search history.

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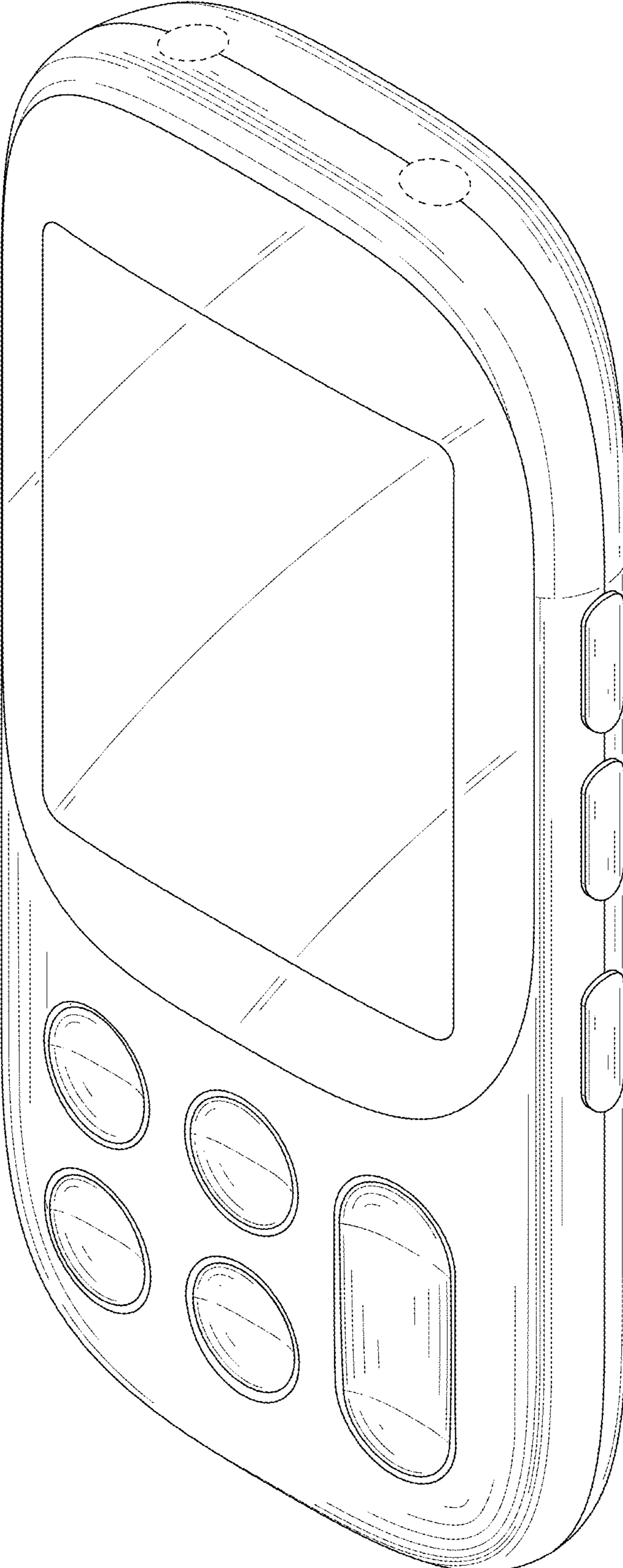


FIG. 1

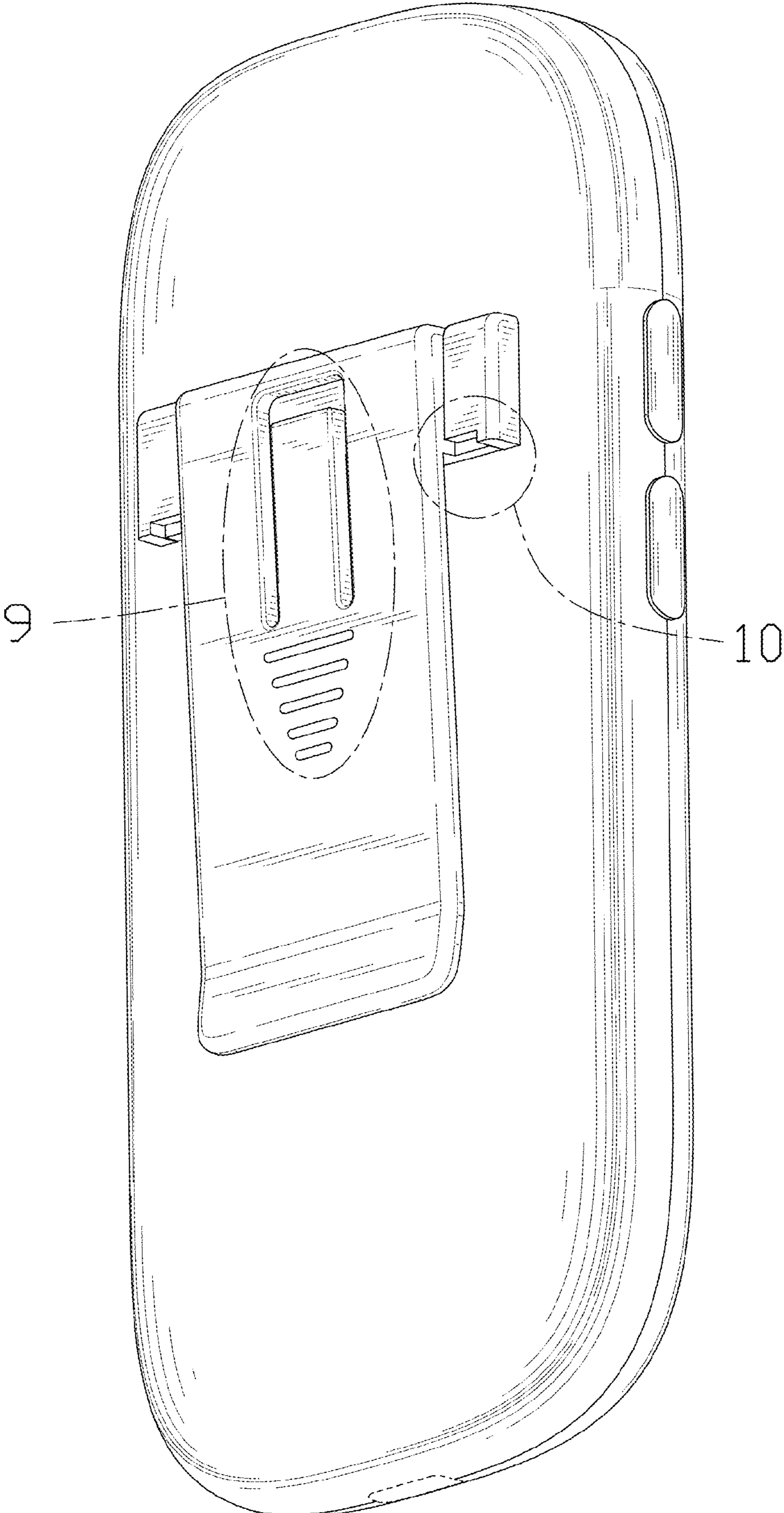


FIG. 2

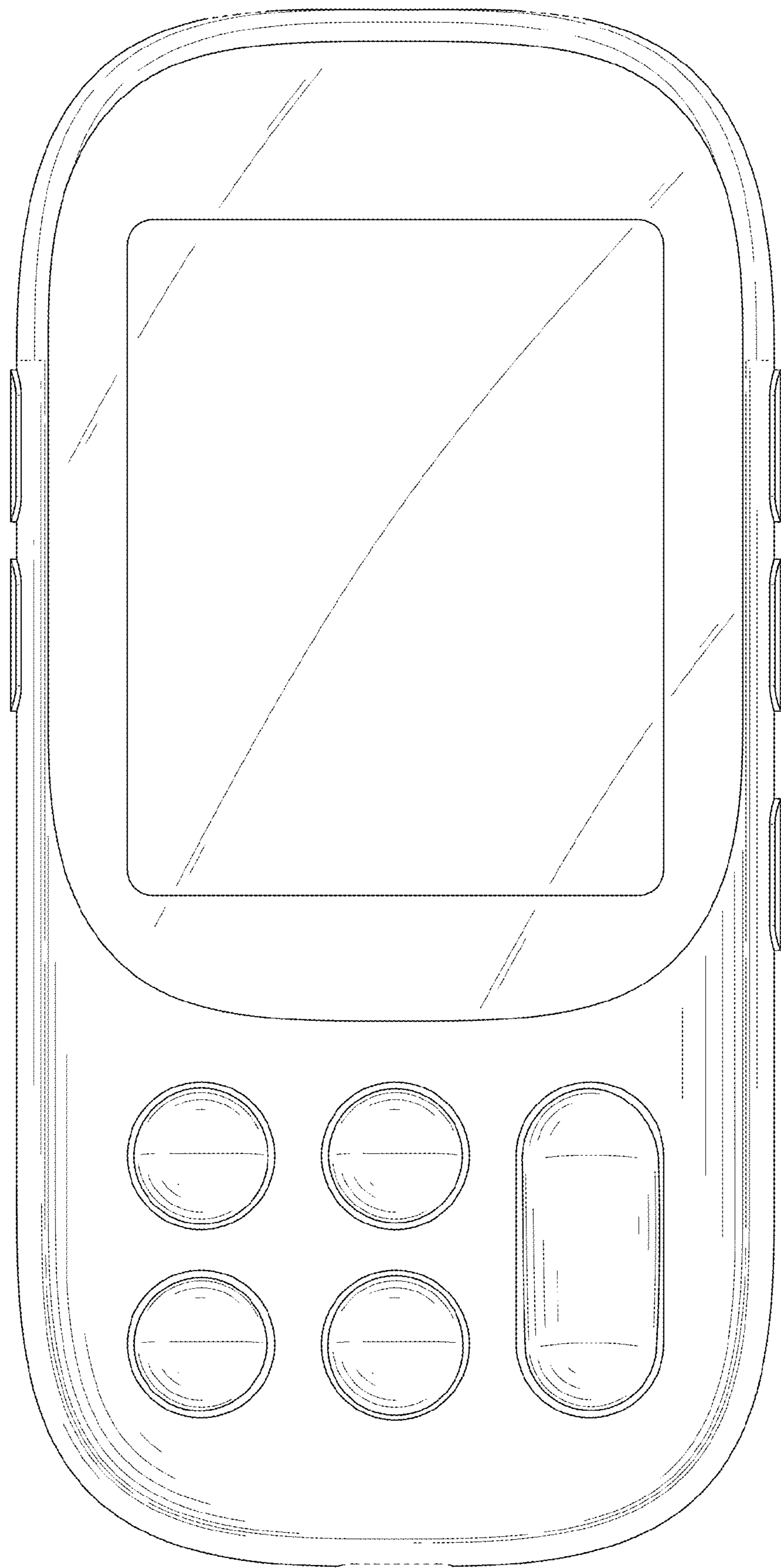


FIG. 3

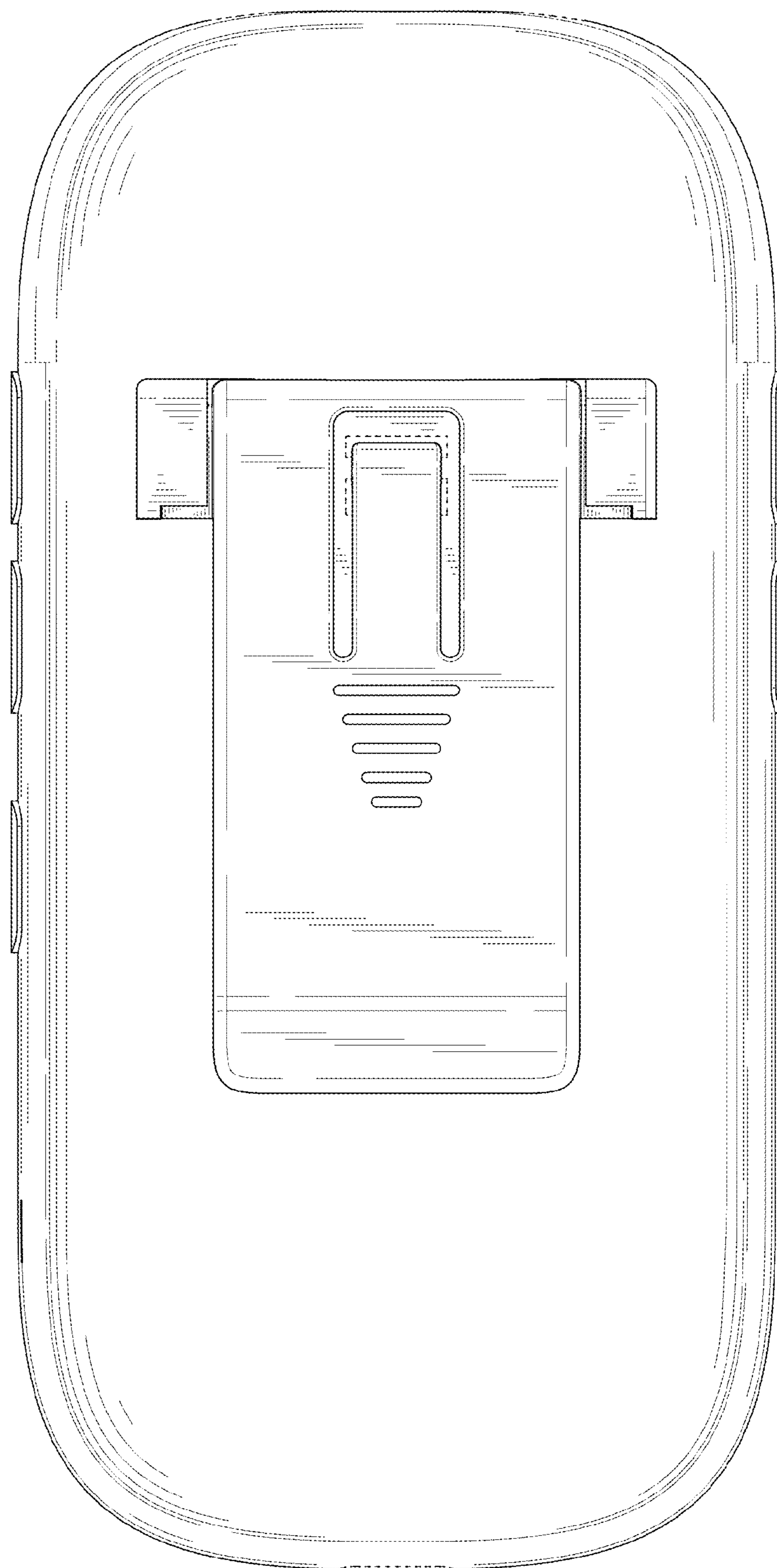


FIG. 4

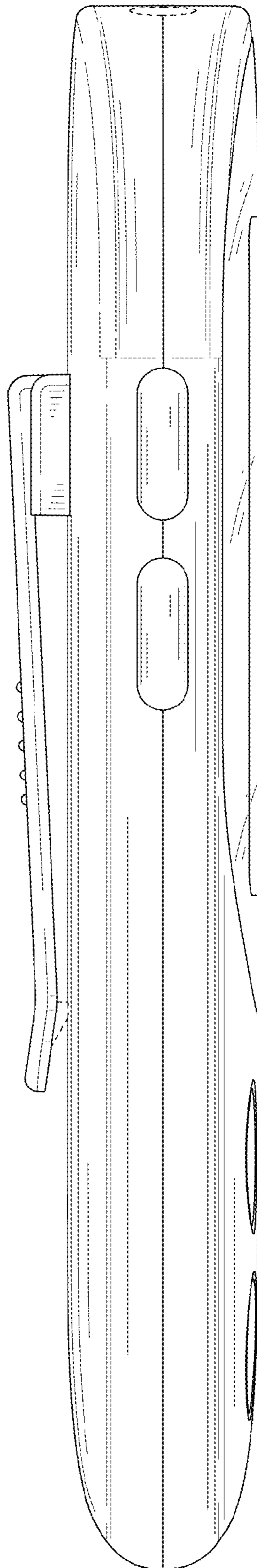


FIG. 5

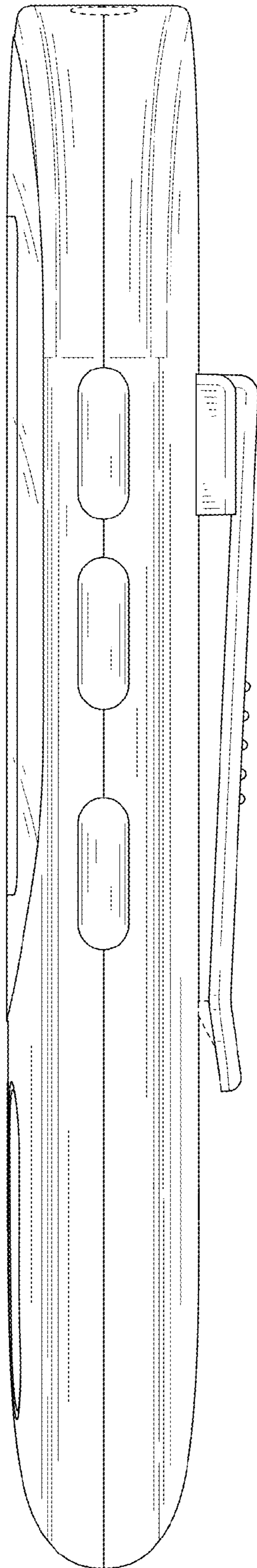


FIG. 6



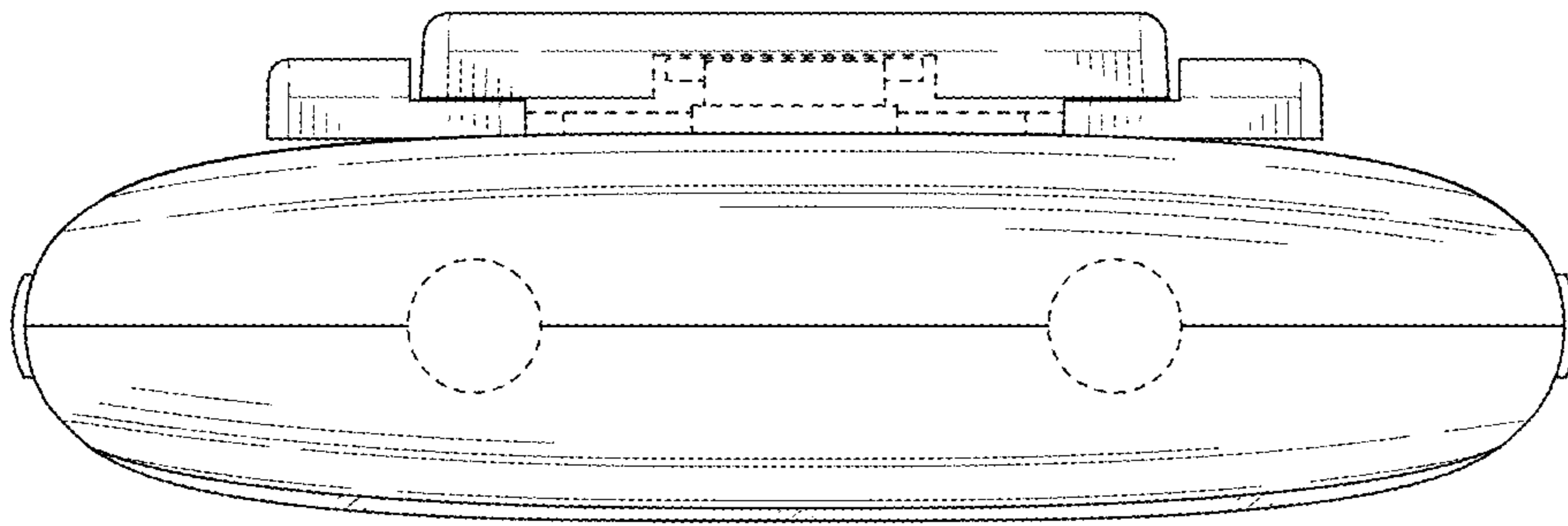


FIG. 7

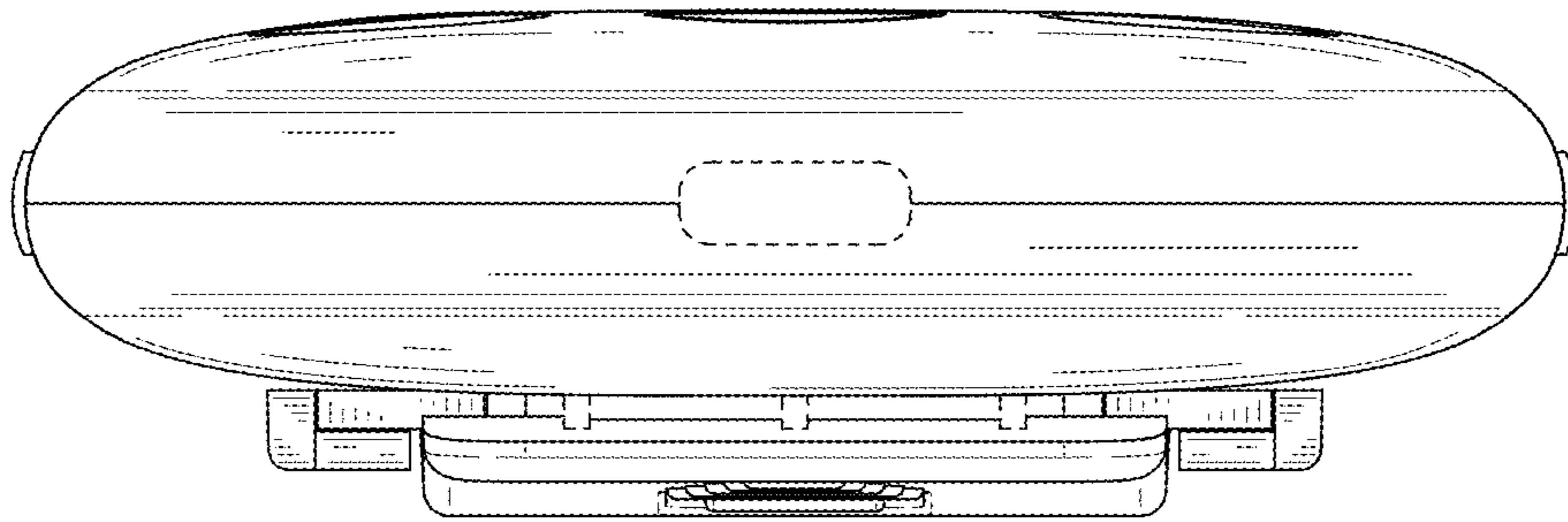


FIG. 8

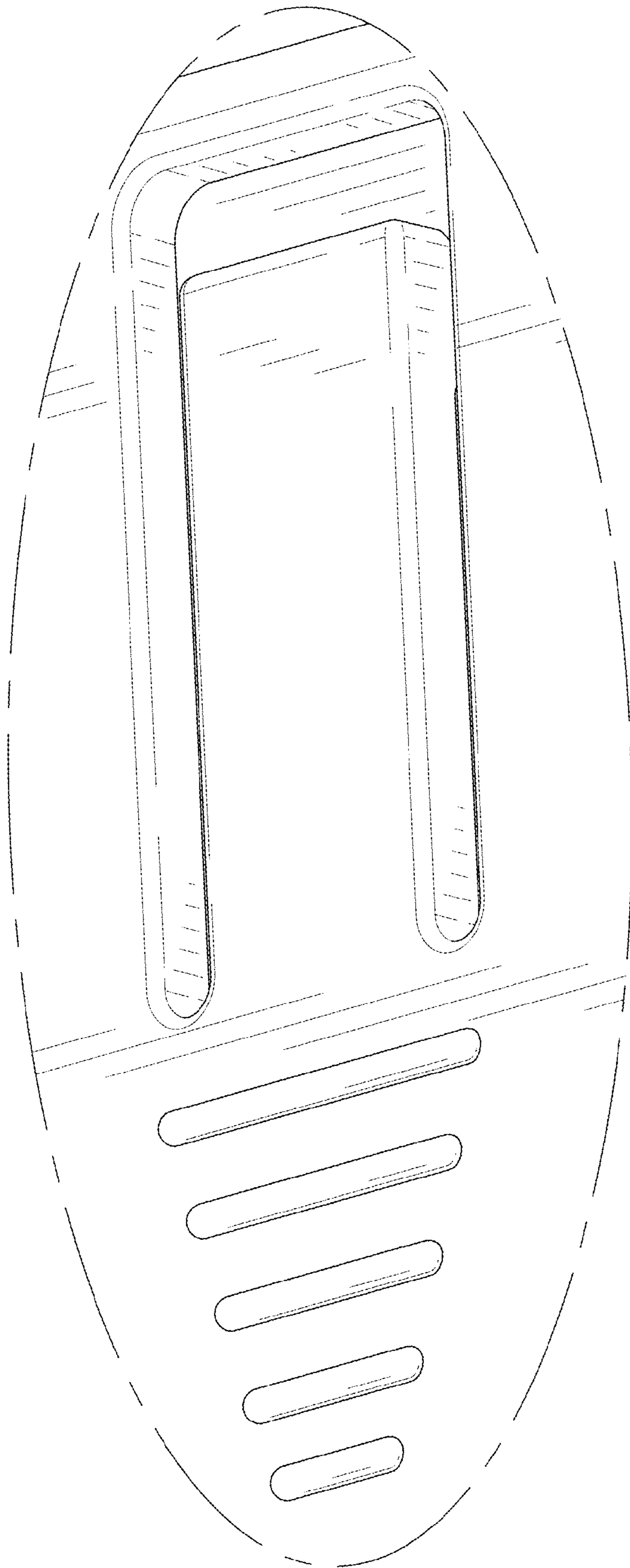


FIG. 9

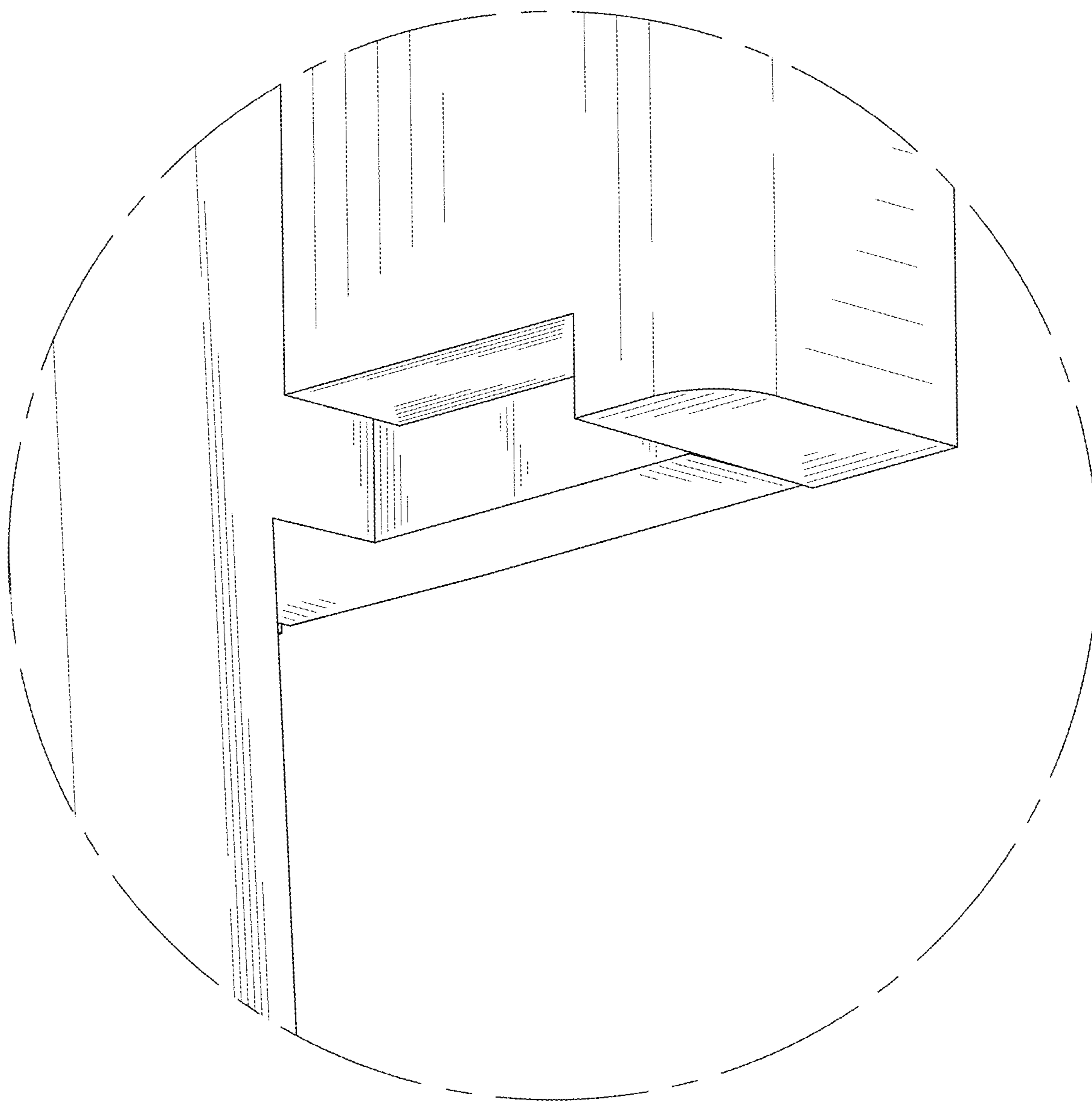


FIG. 10