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(12) **United States Design Patent** (10) **Patent No.:** **US D838,271 S**
Kaneko et al. (45) **Date of Patent:** **** Jan. 15, 2019**

(54) **FINGER VEIN AUTHENTICATION DEVICE**
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(73) Assignee: **Hitachi, Ltd.**, Tokyo (JP)
(**) Term: **15 Years**

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(22) Filed: **Dec. 1, 2016**

Primary Examiner — Austin Murphy

(74) *Attorney, Agent, or Firm* — Crowell & Moring LLP

(30) **Foreign Application Priority Data**

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(51) **LOC (11) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/384**; D14/383

(58) **Field of Classification Search**
USPC D14/300–302, 313, 314, 341, 348–370,
D14/383, 385, 432, 436, 496, 125, 135,
D14/134, 155, 167, 168, 230, 231, 233,
D14/235, 237, 240–242, 299; D10/65,
D10/75, 78; D13/103, 149, 162, 184,
D13/199; D18/4.4–4.6, 12.1, 56;
361/679.31–679.45, 752; 711/100, 115;
382/115, 124; 356/71; 235/380, 461,
235/382, 472.01, 472.02; D3/201, 273
CPC G06K 9/00006; G06K 7/0013; G06K
9/00026; G06F 21/00; G06Q 30/00
See application file for complete search history.

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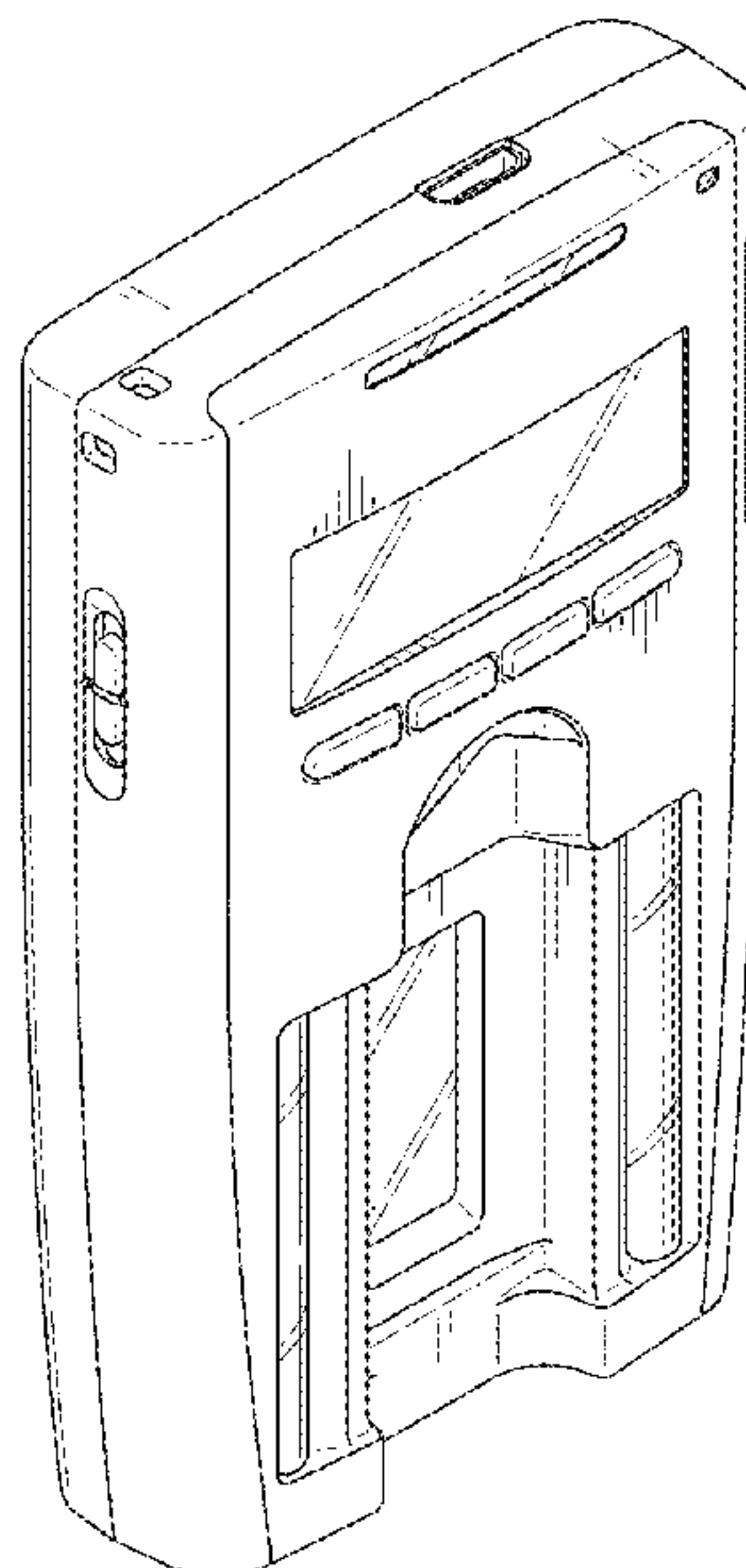
(57) **CLAIM**

The ornamental design for a finger vein authentication device, as shown and described.

DESCRIPTION

FIG. 1 is a front and top perspective view of a finger vein authentication device according to the design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a rear elevational view thereof;
FIG. 8 is a cross-sectional view taken along line 8-8 of FIG. 2; and,
FIG. 9 is a cross-sectional view taken along line 9-9 of FIG. 2.

1 Claim, 3 Drawing Sheets



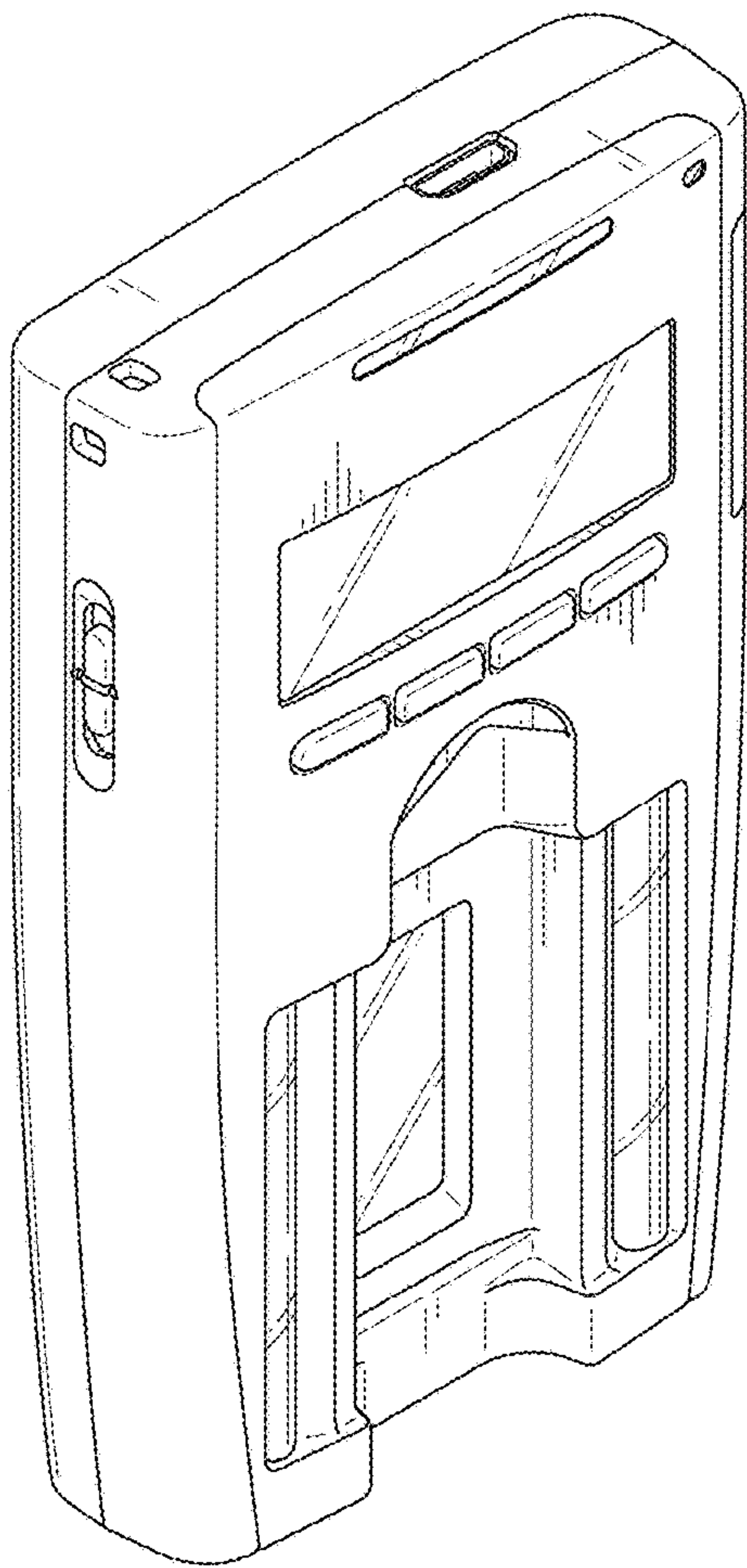


FIG. 1

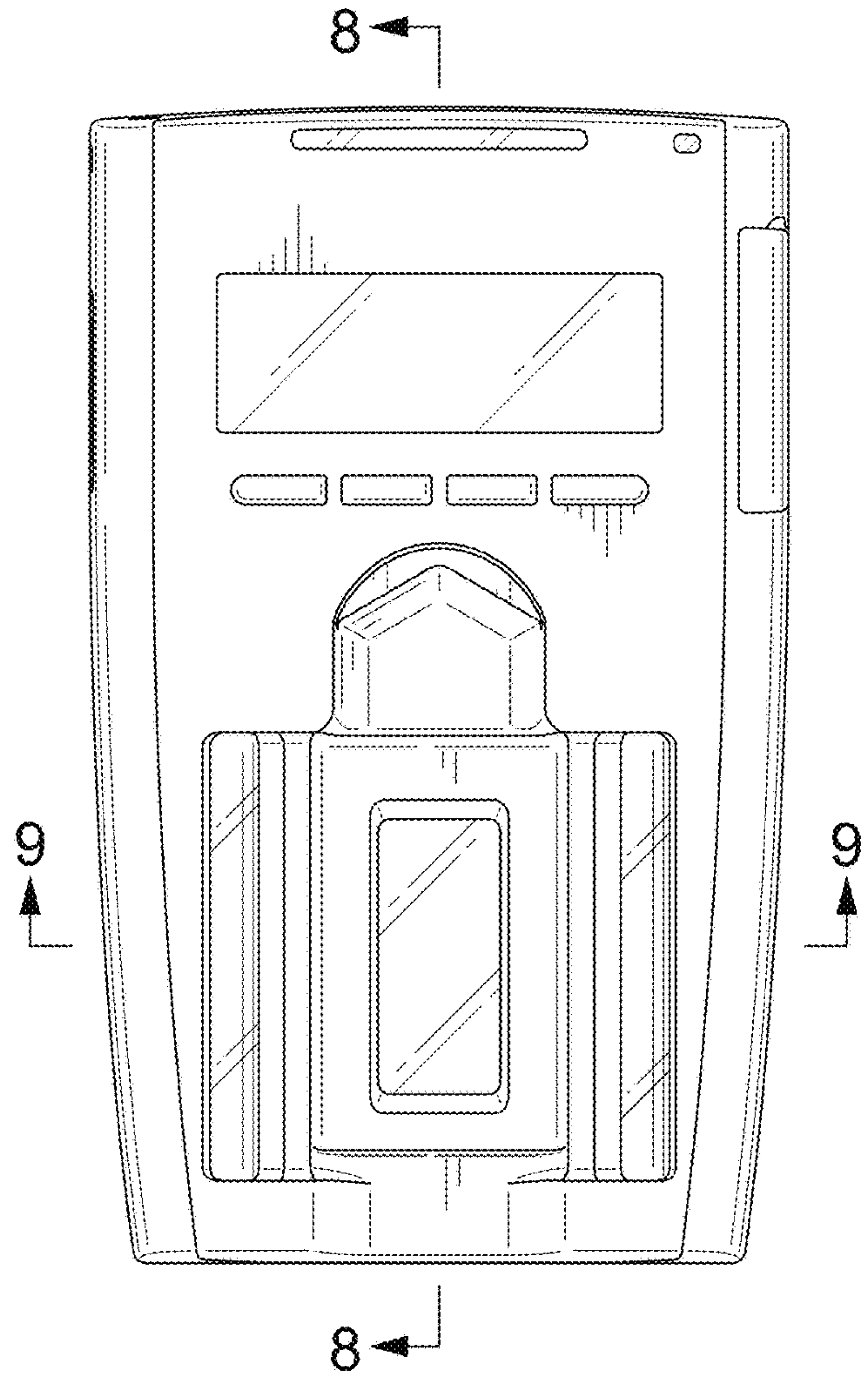


FIG. 2

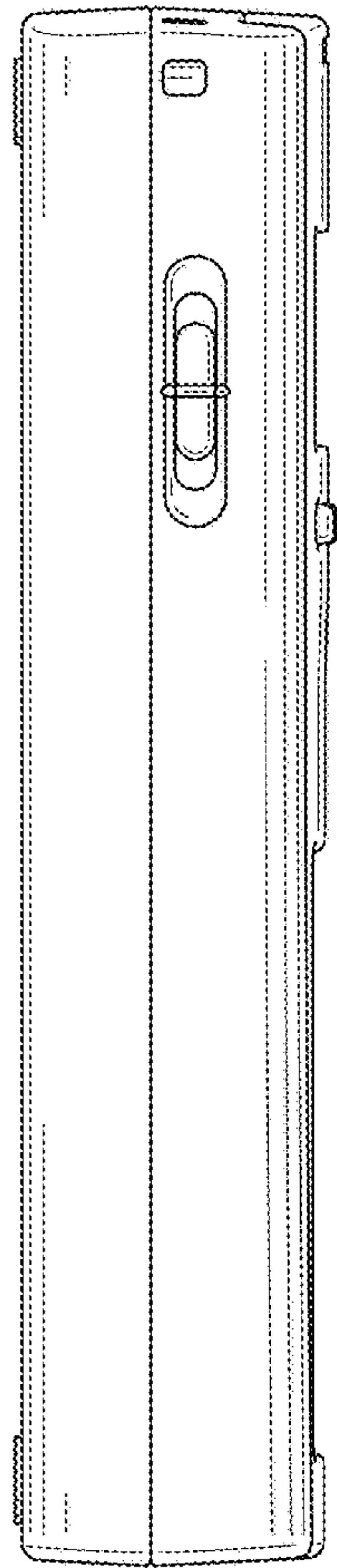


FIG. 3

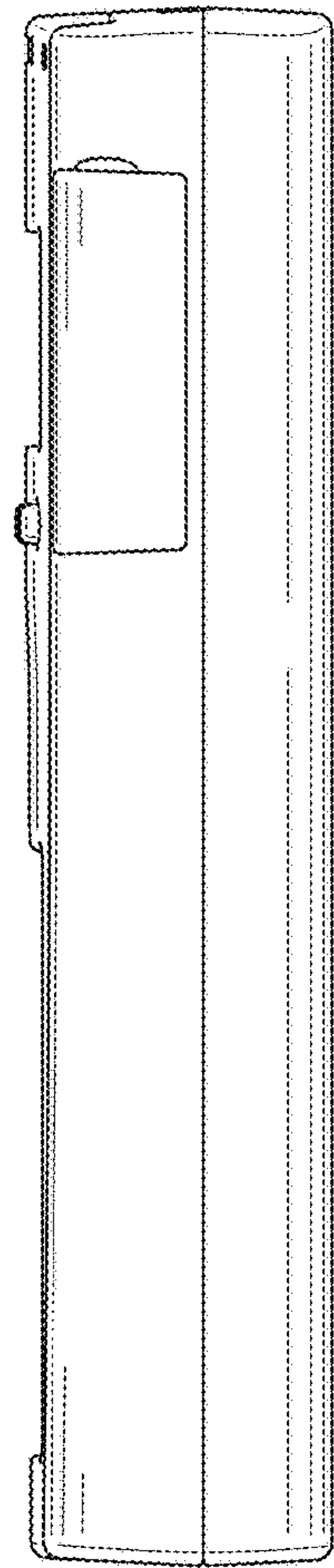


FIG. 4

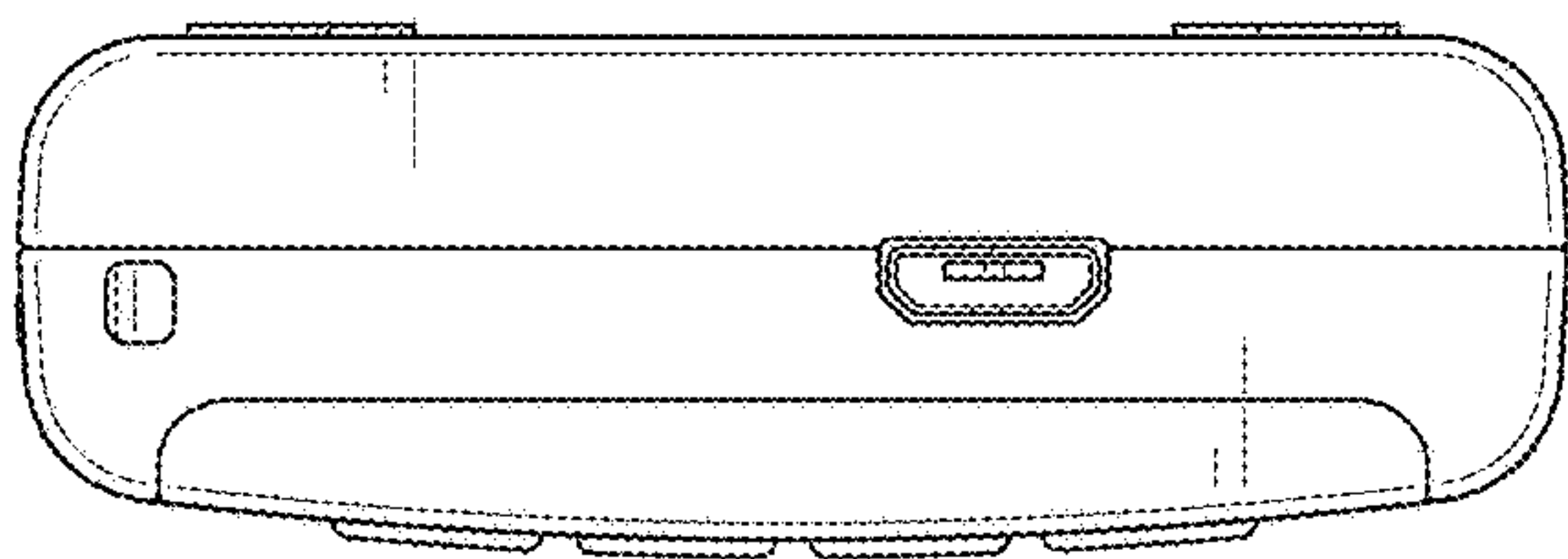


FIG. 5

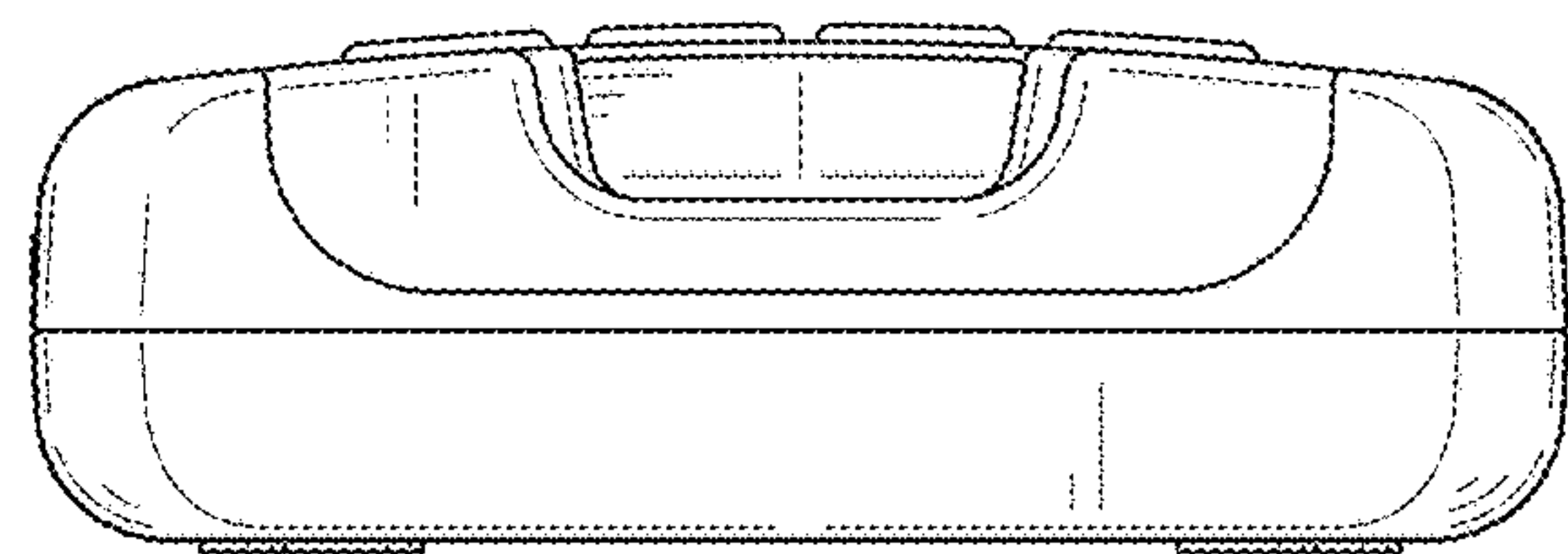


FIG. 6

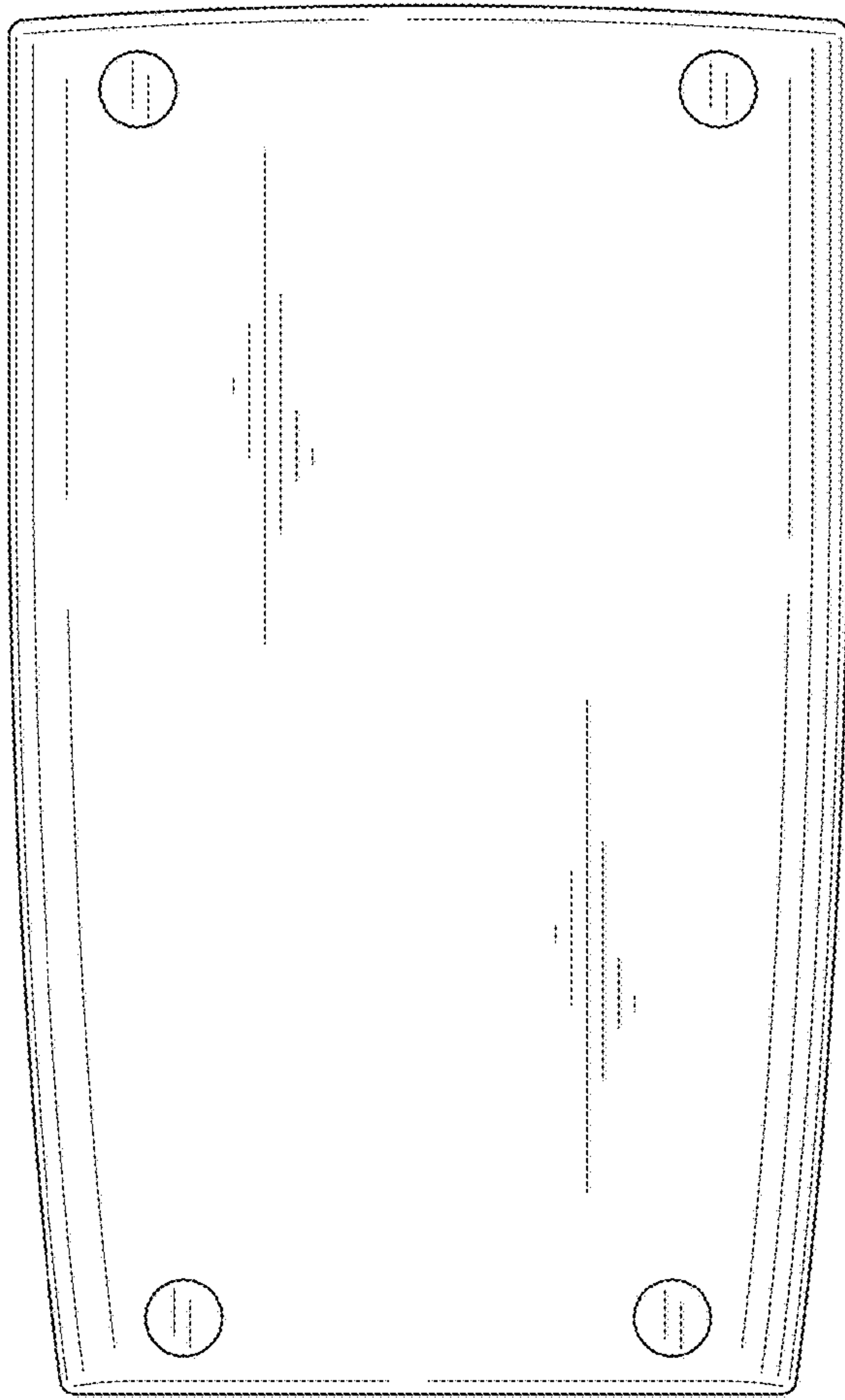


FIG. 7

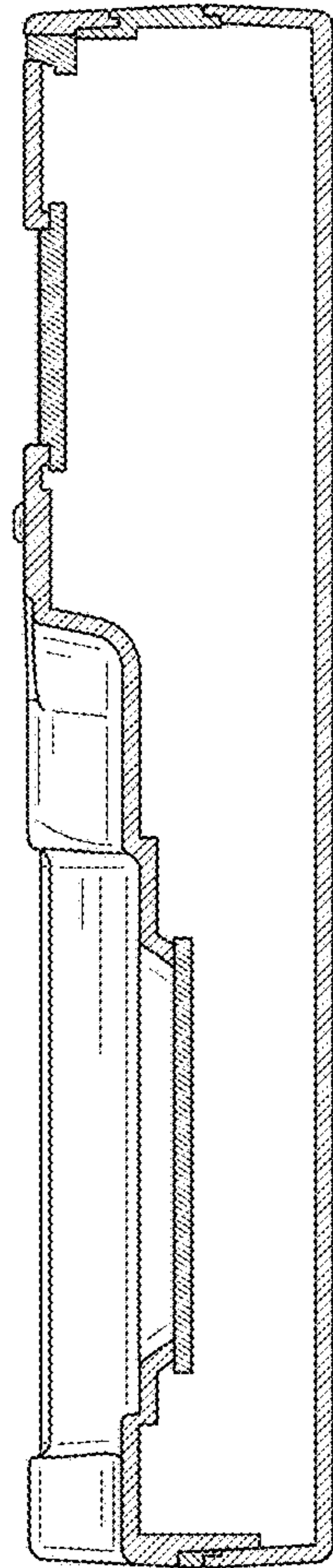


FIG. 8

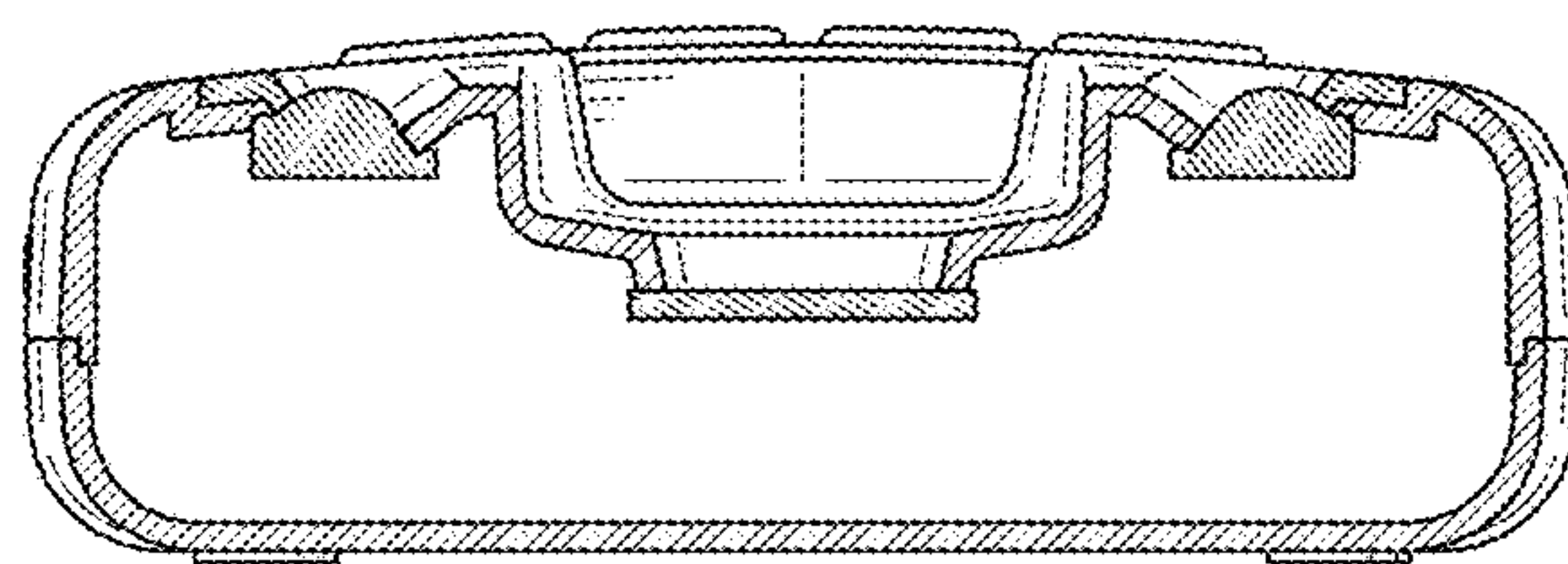


FIG. 9