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(12) United States Design Patent

Nishikawa

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(54) **CONTROLLER FOR HANDPIECE**

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(73) Assignee: **Urawa Kohgyo Co., Ltd.**, Kuki-Shi (JP)

(**) Term: **14 Years**

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(22) Filed: **Nov. 15, 2007**

(51) **LOC (9) Cl.** **14-03**
(52) **U.S. Cl.** **D13/168**
(58) **Field of Classification Search** D13/168; D10/104, 106; D14/218, 247; 340/825.22, 340/825.24, 825.25, 825.31, 825.36, 825.69, 340/825.72; 341/76; 455/352
See application file for complete search history.

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1 Claim, 9 Drawing Sheets

(57) **CLAIM**

The ornamental design for the controller for handpiece, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of my new design;

FIG. **2** is a rear elevational view thereof;

FIG. **3** is a right side elevational view thereof shown at a larger scale for ease of illustration;

FIG. **4** is a left side elevational view thereof shown at a larger scale for ease of illustration; the broken lines are shown for illustrative purposes only and form no part of the claimed design;

FIG. **5** is a top plan view thereof;

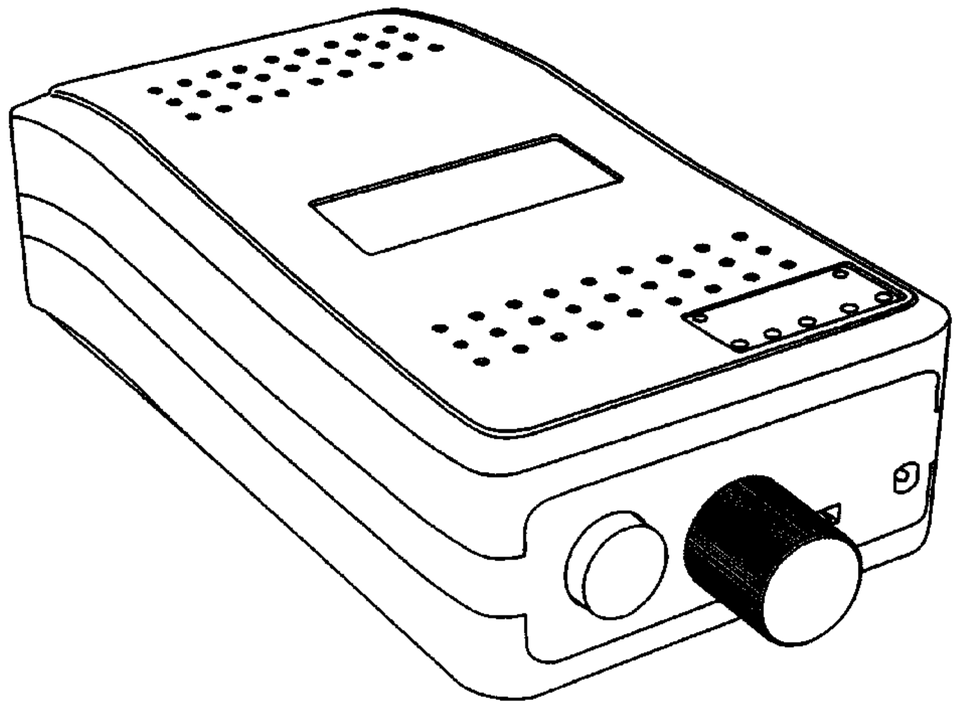
FIG. **6** is a bottom plan view thereof;

FIG. **7** is a top plan view thereof indicating cross-sectional reference lines A-C and B-B';

FIG. **8** is a front elevational view thereof of a cross section taken along line A-B-B'-C; and,

FIG. **9** is front top right side perspective view thereof.

The controller for a handpiece is a controller for controlling a handpiece that is used for nail treatment, toreutics, jewelry work, die machining, medical use, dental use and other precision machining. The controller for a handpiece is used to connect a handpiece plug to a connection terminal shown as a small circular cutout at a lower right side of the right side elevational view, and shown as a small circular cutout in a lower right of the reference perspective view. In a connected state, upon turning on a power switch shown as a circular shape at a left side of the right side elevational view, and as a circular shape outwardly protruding in the reference perspective view, a handpiece bit is caused to operate, thereby enabling cutting, grinding, piecing and other precision machining. Further, upon turning an adjustment knob cylindrically protruding and shown at a about a center of the right side elevational view and at a lower right side of the reference perspective view, a motor rotation speed is changed, thereby achieving bit operation suitable for precision machining.



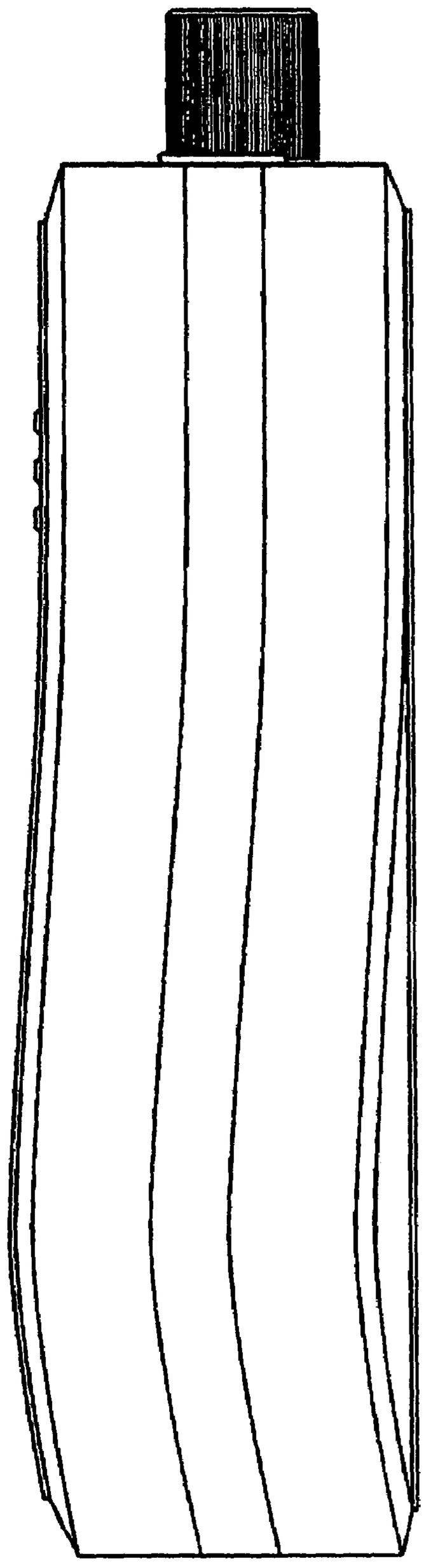


FIG. 1

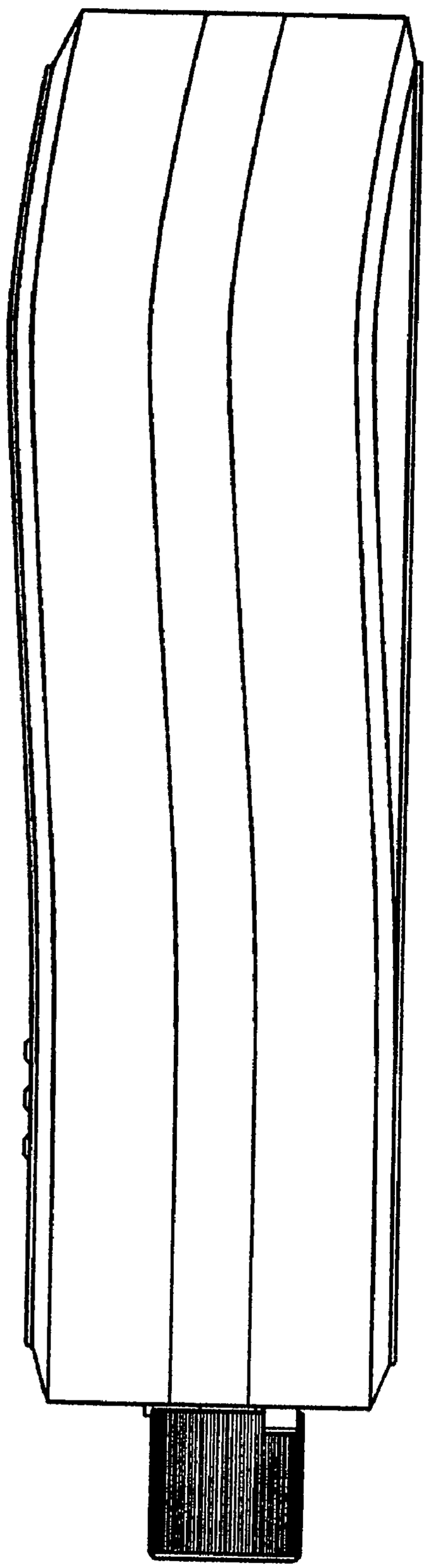


FIG. 2

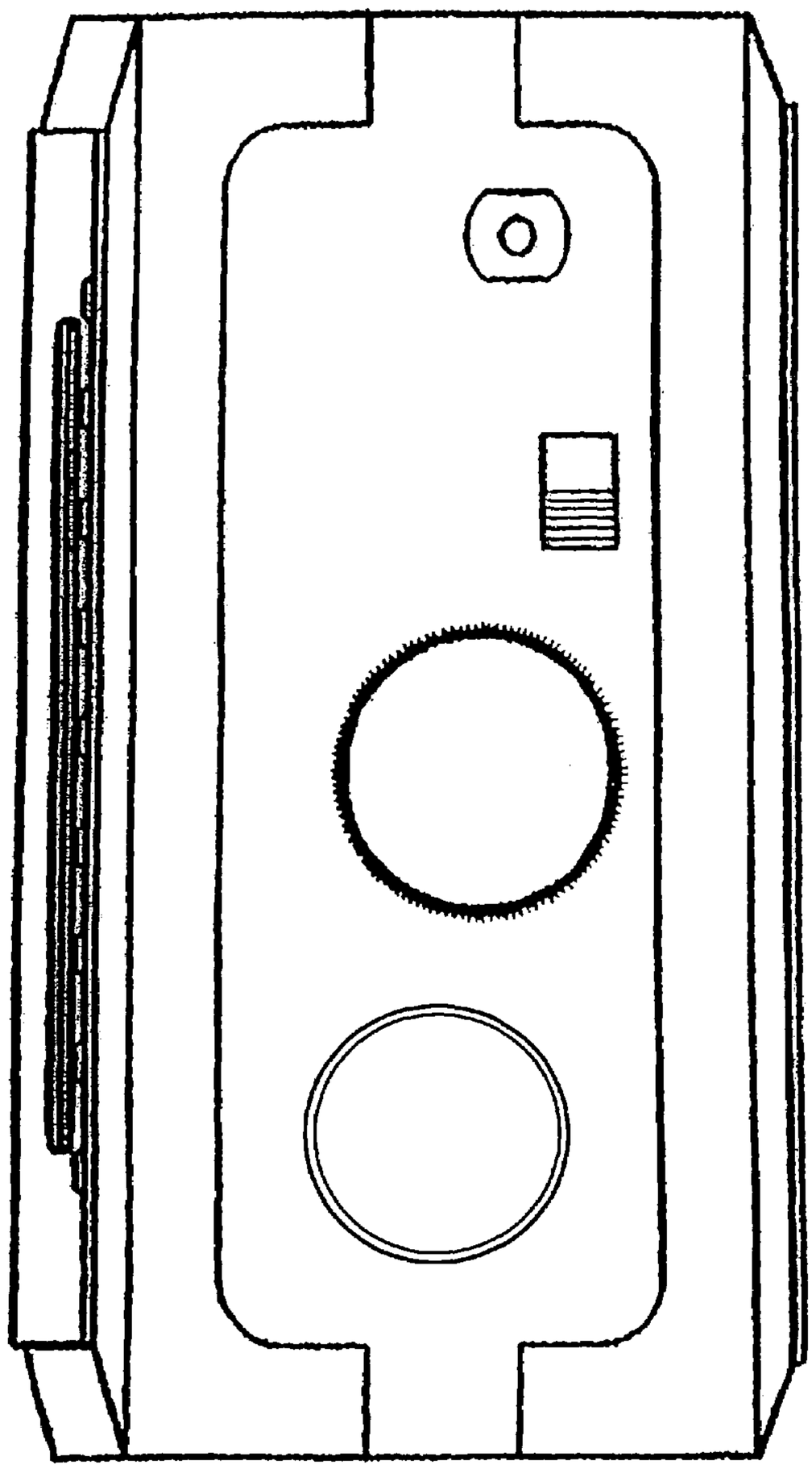


FIG. 3

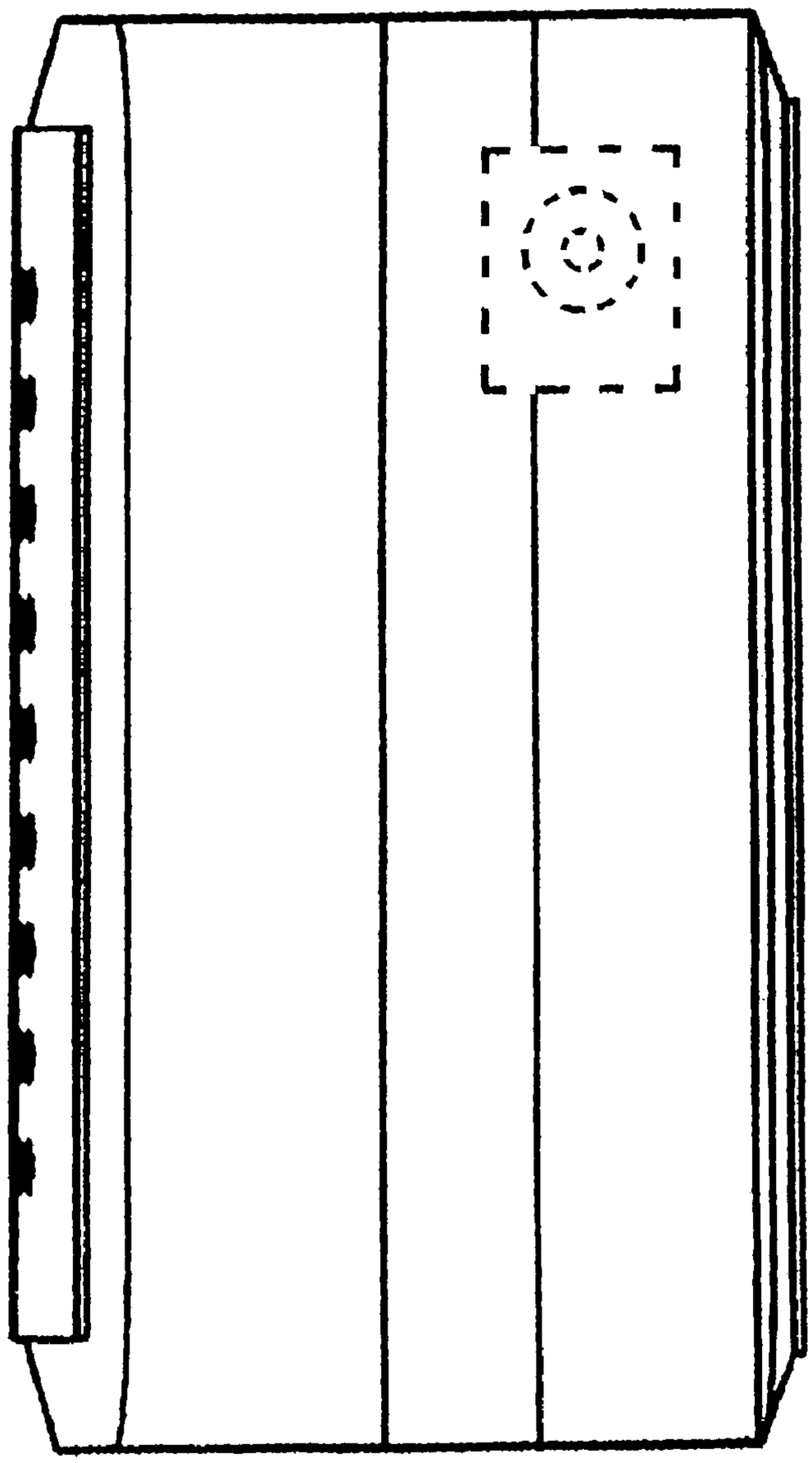


FIG. 4

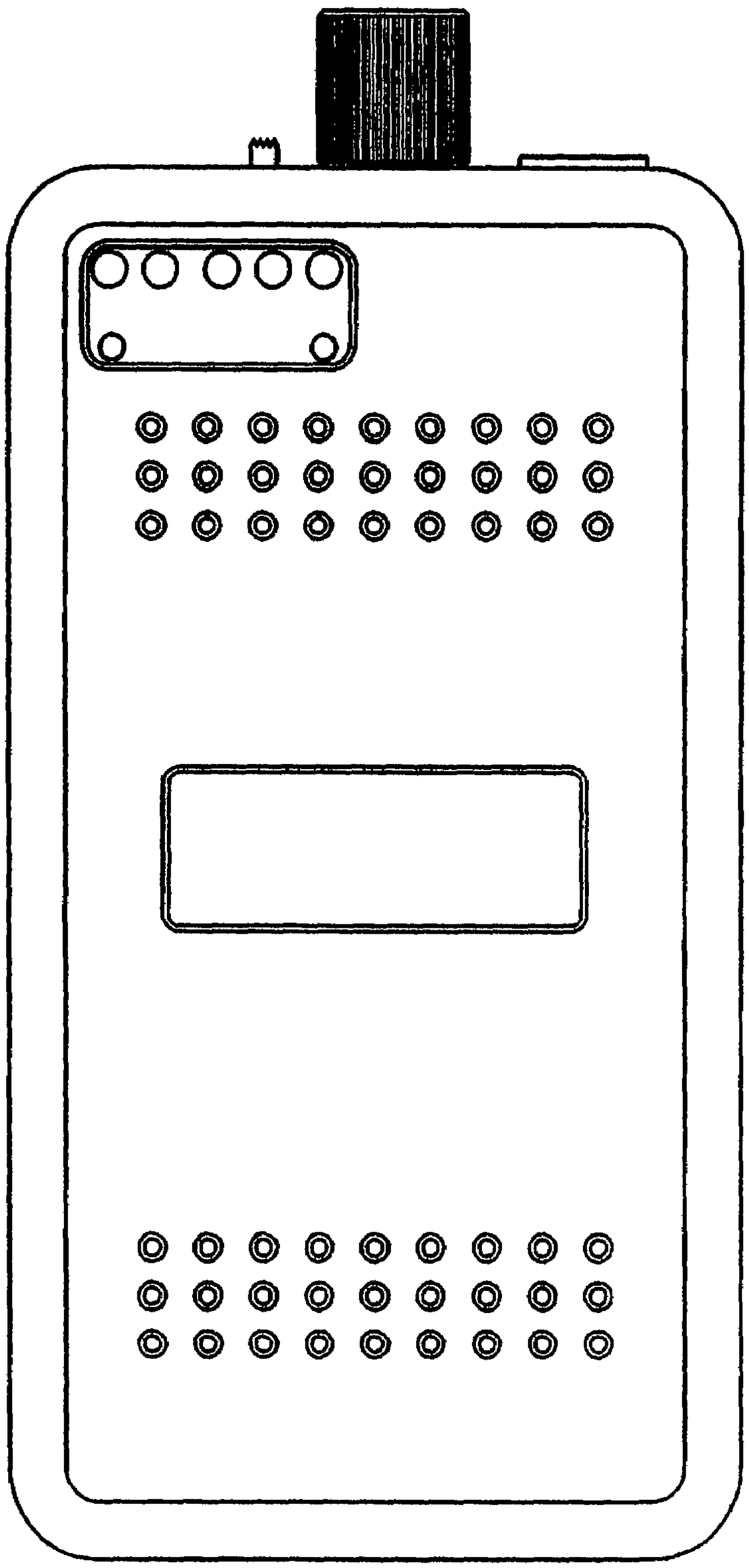


FIG. 5

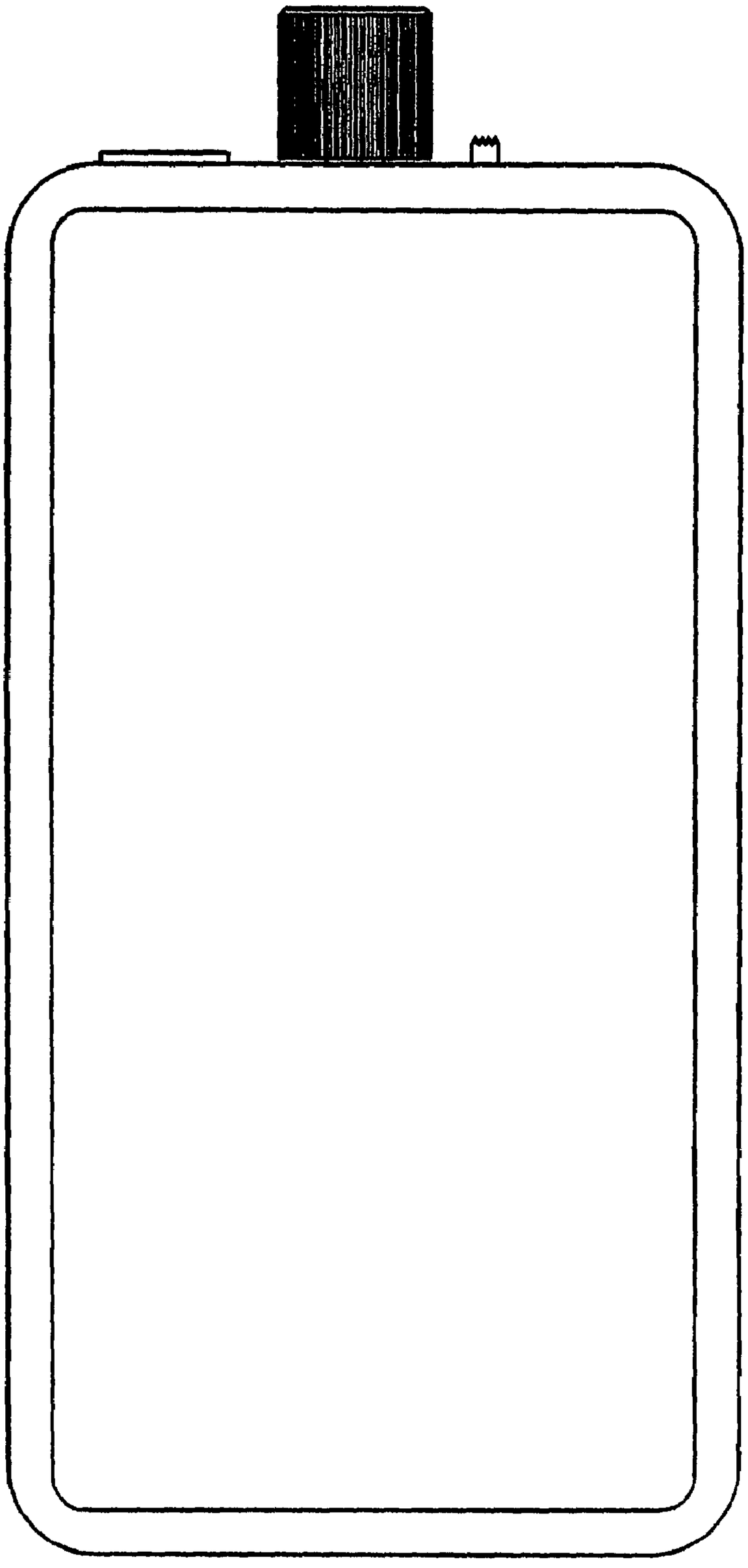


FIG. 6

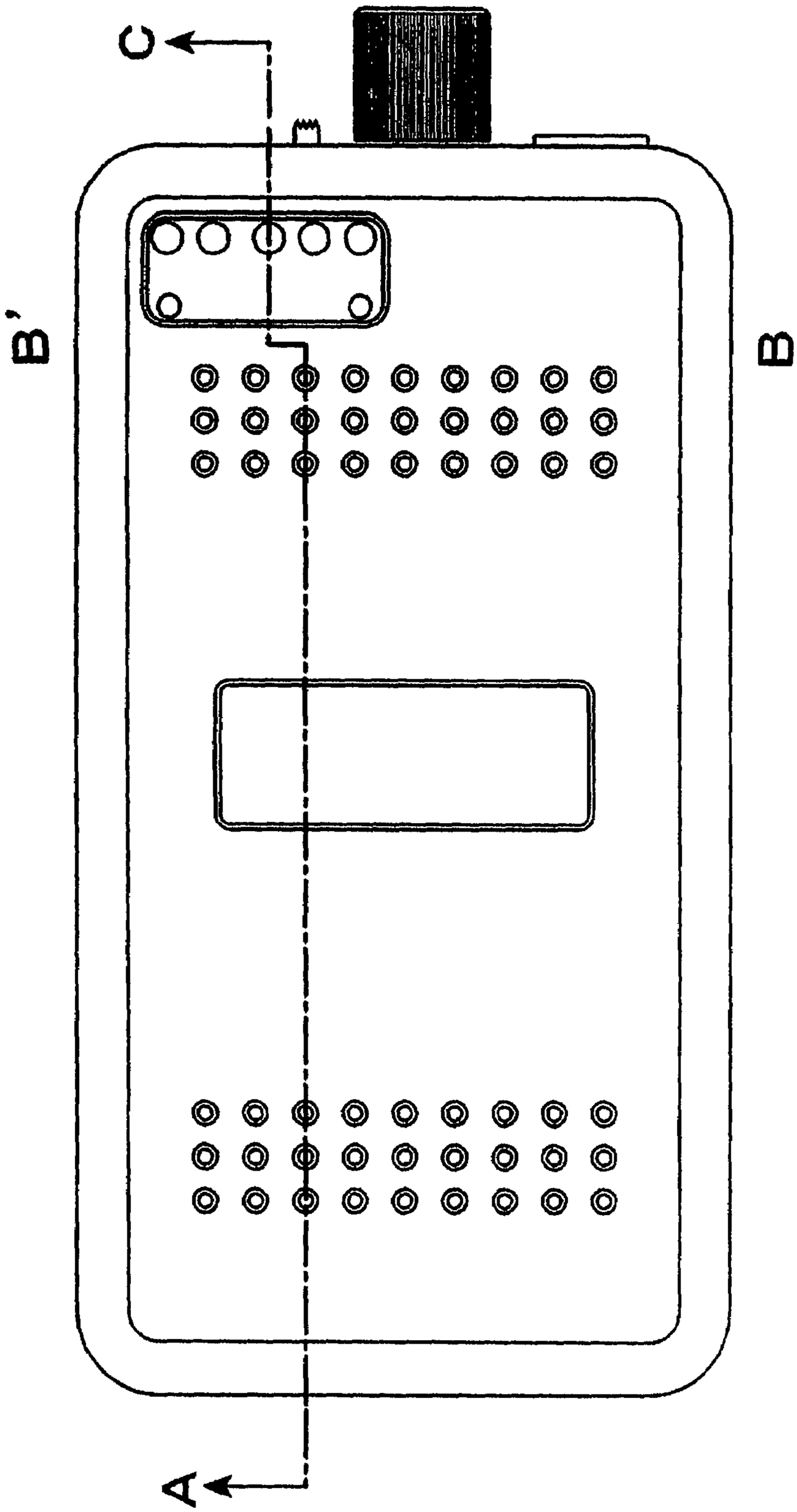


FIG. 7

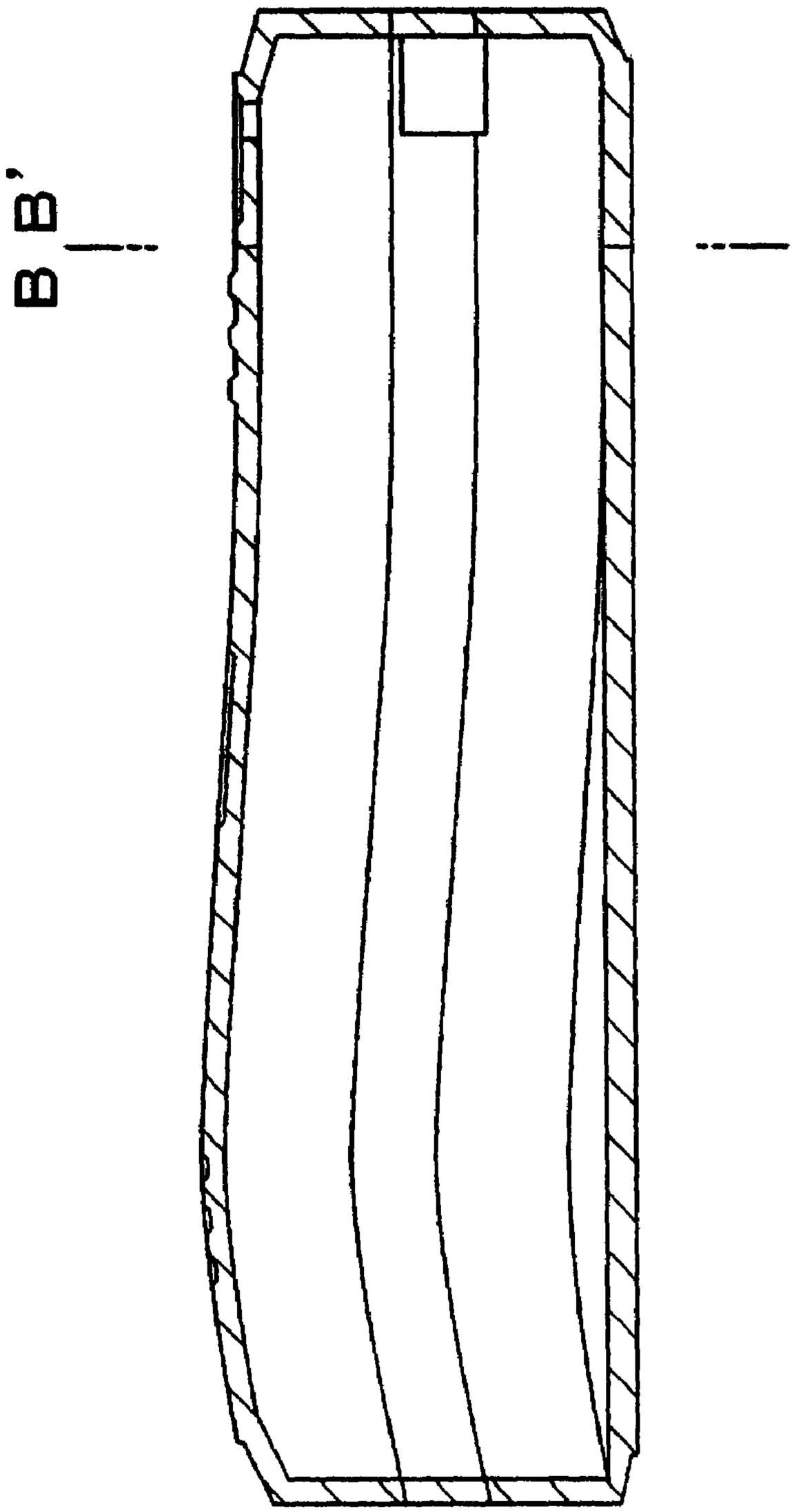


FIG. 8

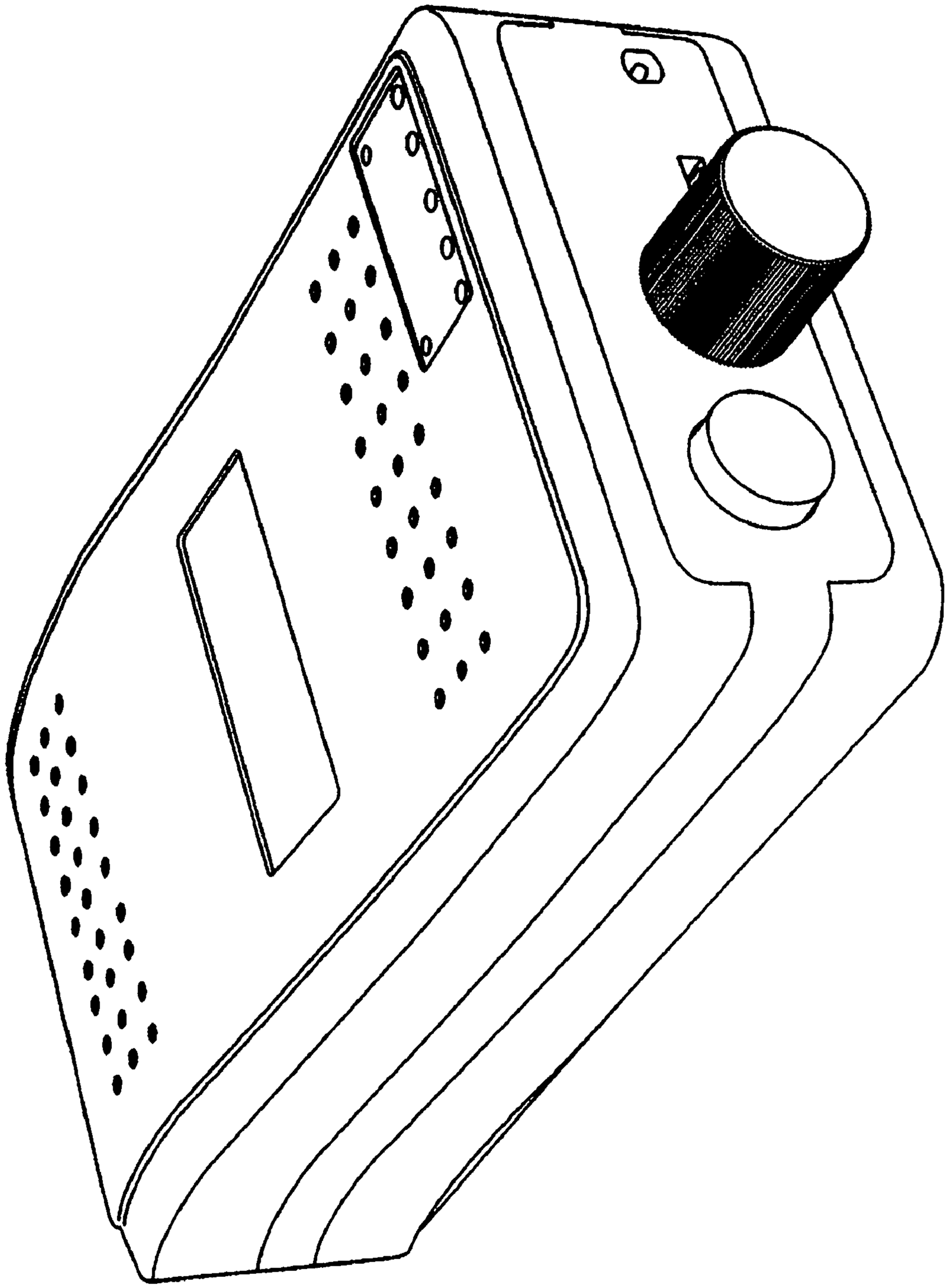


FIG. 9