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

(10) **Patent No.:** **US D539,684 S**

(45) **Date of Patent:** **\*\* Apr. 3, 2007**

(54) **ALCOHOL SENSOR**

(75) Inventors: **Hanae Kitamura**, Tokyo (JP);  
**Teruhisa Numata**, Tokyo (JP)

(73) Assignee: **Tanita Corporation**, Tokyo (JP)

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

(21) Appl. No.: **29/255,191**

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(30) **Foreign Application Priority Data**

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(51) **LOC (8) Cl.** ..... **10-04**

(52) **U.S. Cl.** ..... **D10/81**

(58) **Field of Classification Search** ..... D10/81;  
128/719, 745; 180/272; 340/576; 422/84;  
436/132, 900; 600/532

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,487,055 A \* 12/1984 Wolf ..... 73/23.3  
4,996,161 A \* 2/1991 Connors et al. .... 436/132  
D333,441 S \* 2/1993 Greene ..... D10/81

D362,642 S \* 9/1995 Howse ..... D10/81  
D381,885 S \* 8/1997 Lane ..... D10/81  
6,454,723 B1 \* 9/2002 Montagnino ..... 600/532  
6,824,520 B2 \* 11/2004 Orr et al. .... 600/529  
6,899,683 B2 \* 5/2005 Mault et al. .... 600/531  
D521,885 S \* 5/2006 Eddy et al. .... D10/81

\* cited by examiner

*Primary Examiner*—Antoine D. Davis

(74) *Attorney, Agent, or Firm*—McDermott Will & Emery  
LLP

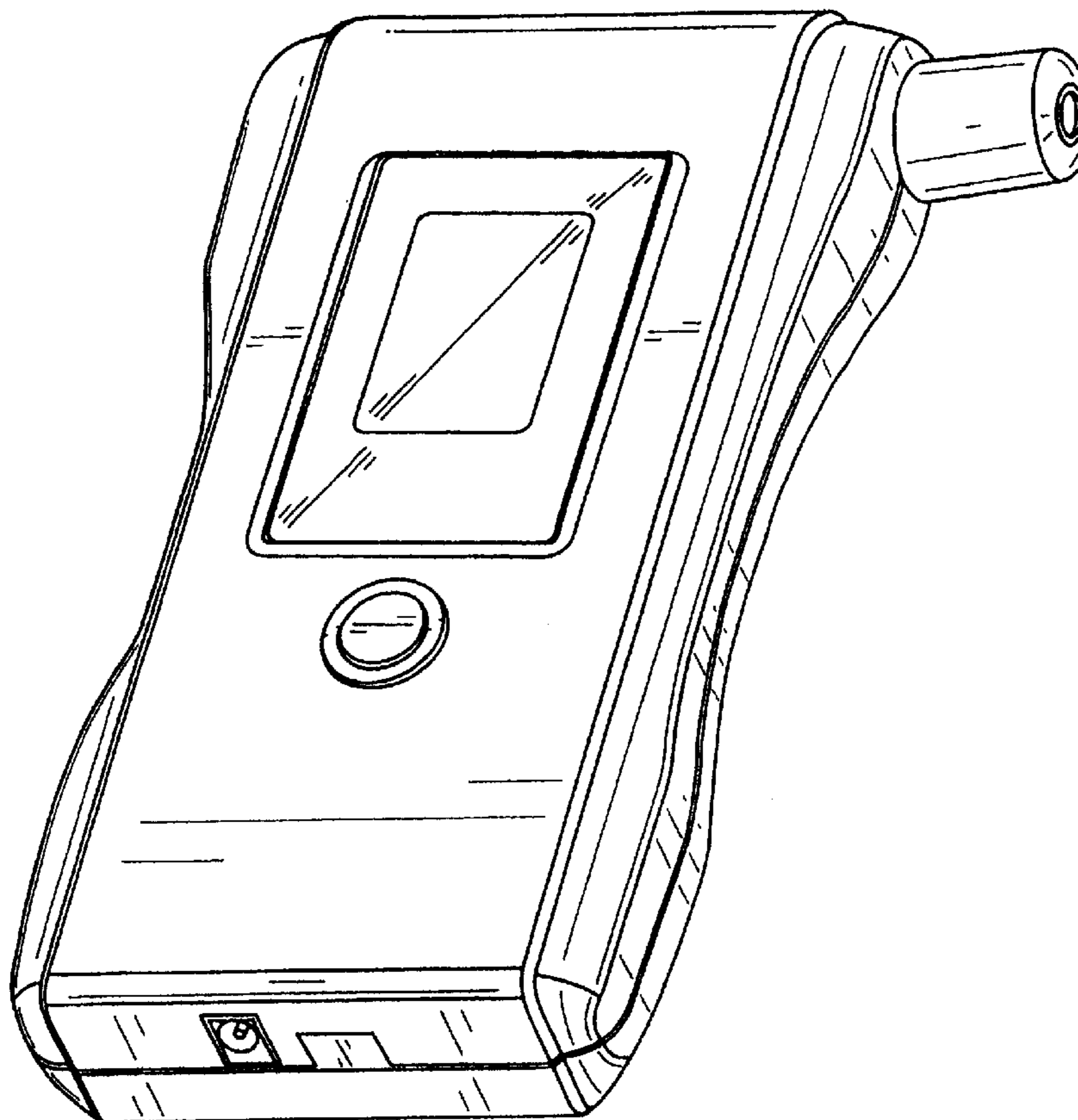
(57) **CLAIM**

The ornamental design for an alcohol sensor, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of the alcohol sensor showing the new design;  
FIG. 2 is a front view of the alcohol sensor;  
FIG. 3 is a rear view of the alcohol sensor;  
FIG. 4 is a side view of the alcohol sensor;  
FIG. 5 is another side view of the alcohol sensor;  
FIG. 6 is a top view of the alcohol sensor; and,  
FIG. 7 is a bottom view of the alcohol sensor.

**1 Claim, 5 Drawing Sheets**



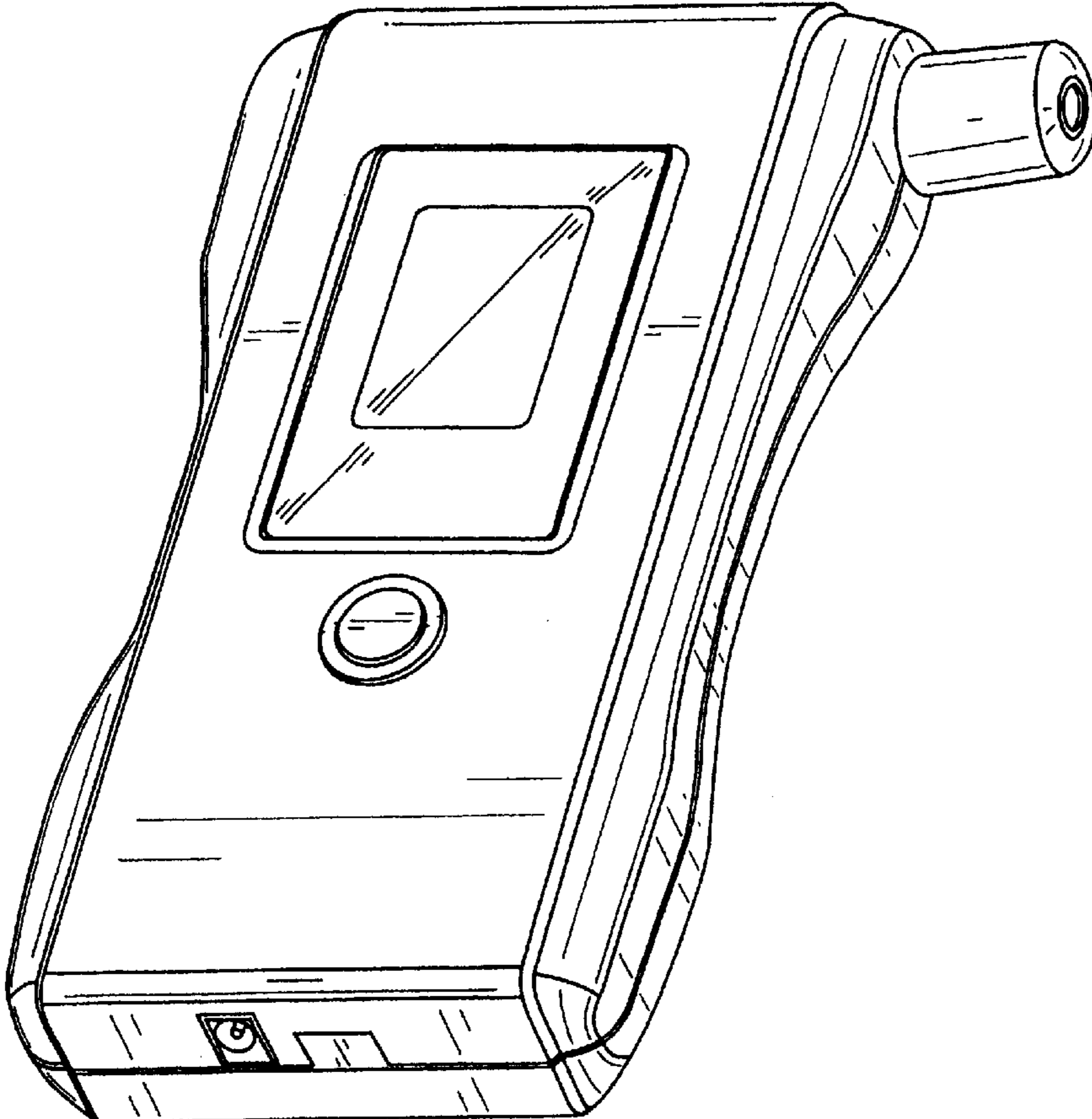


FIG. 1

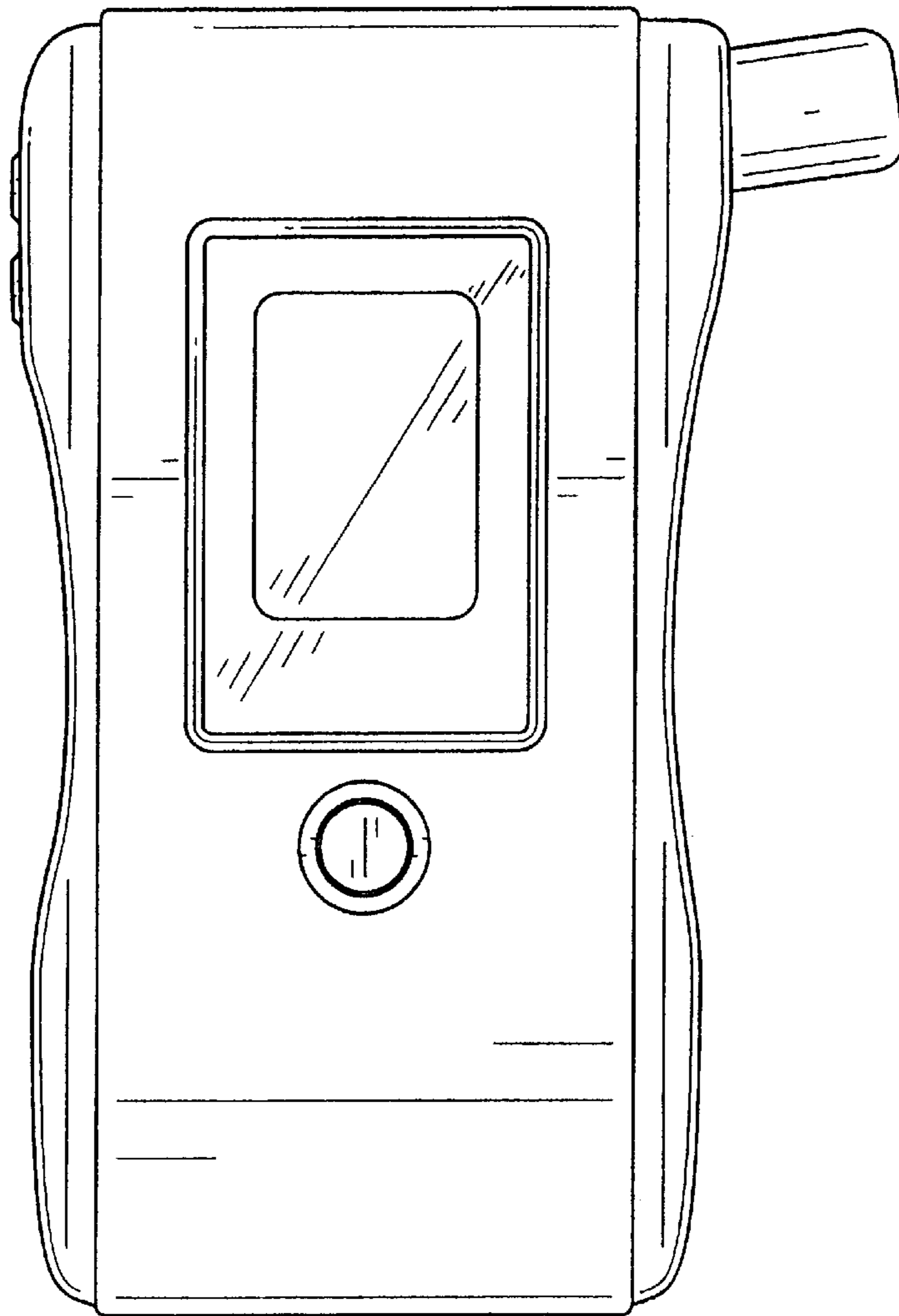


FIG. 2

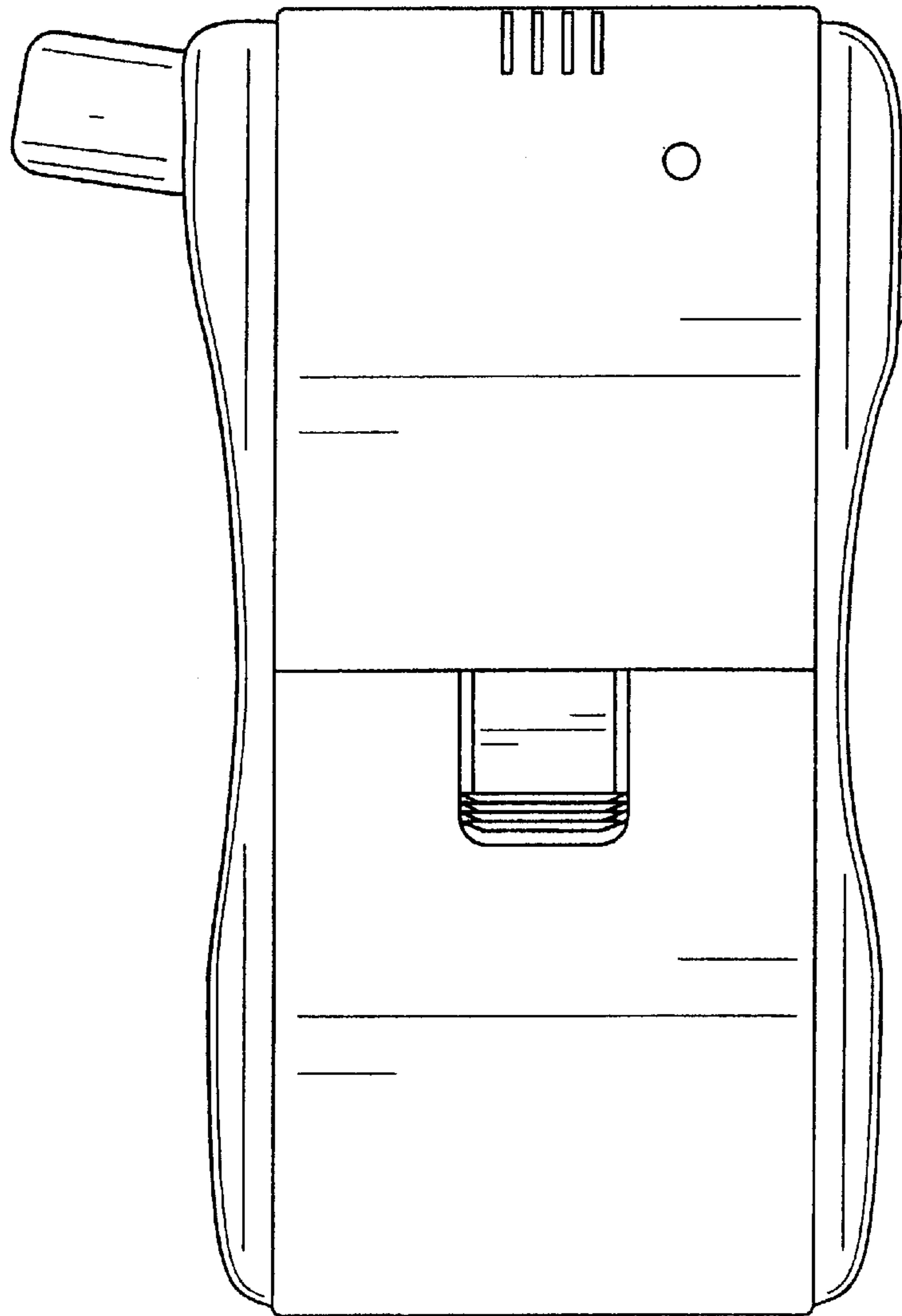


FIG. 3

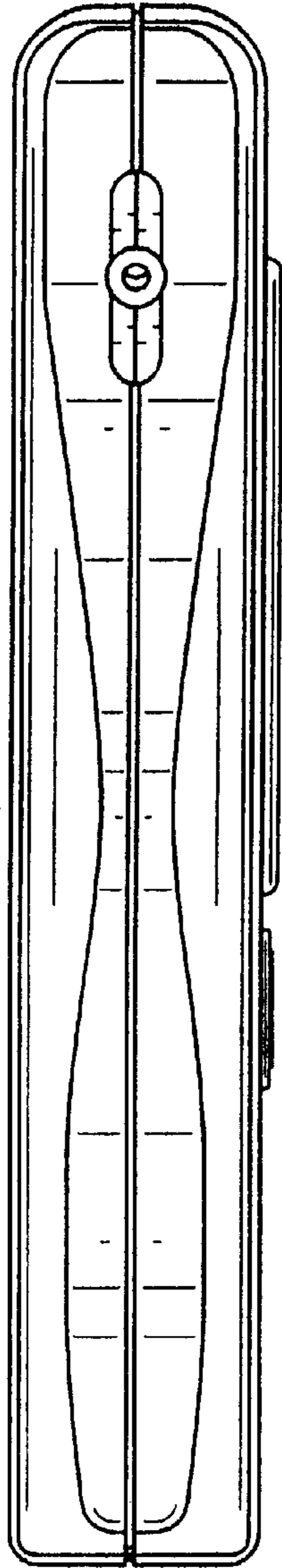


FIG. 4

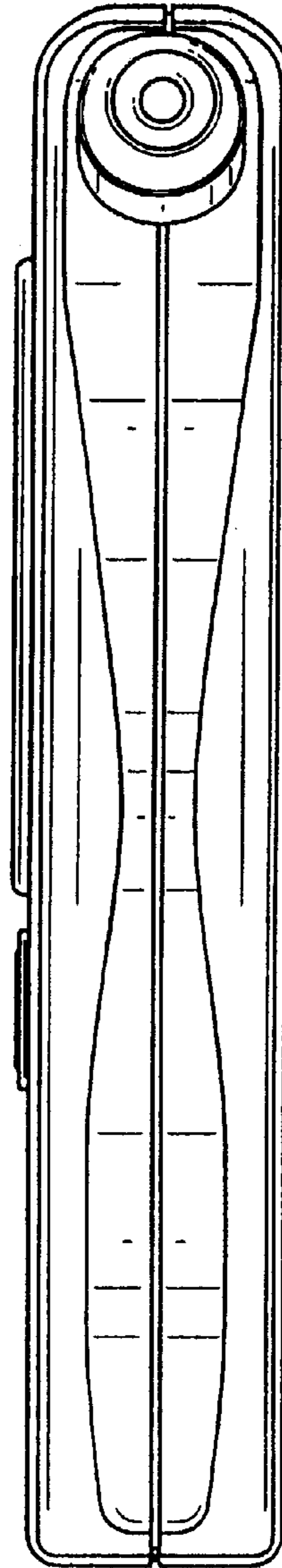


FIG. 5

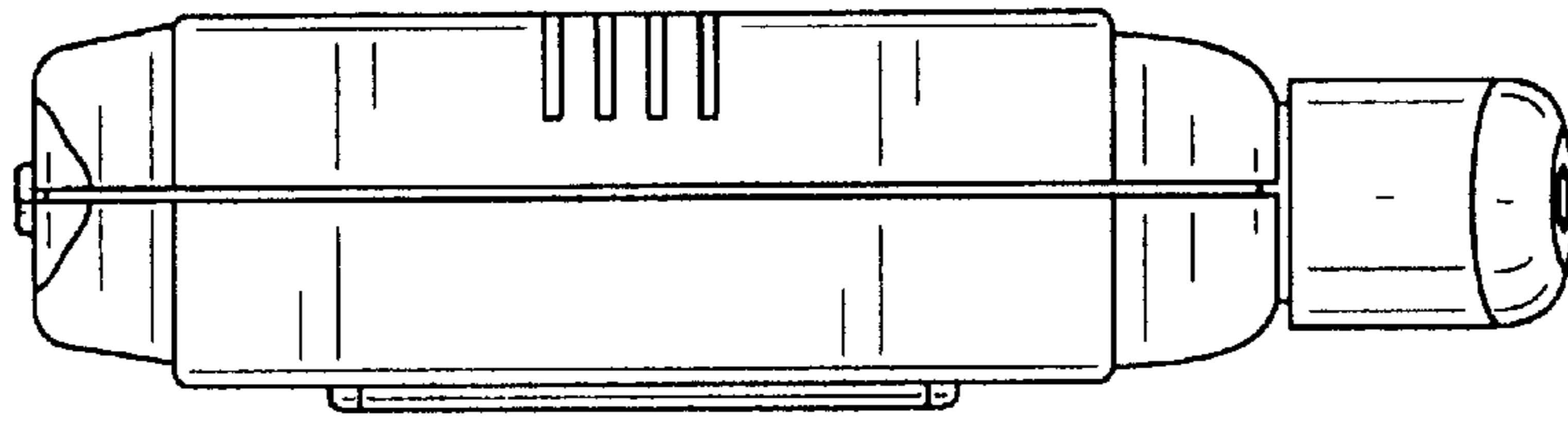


FIG. 6

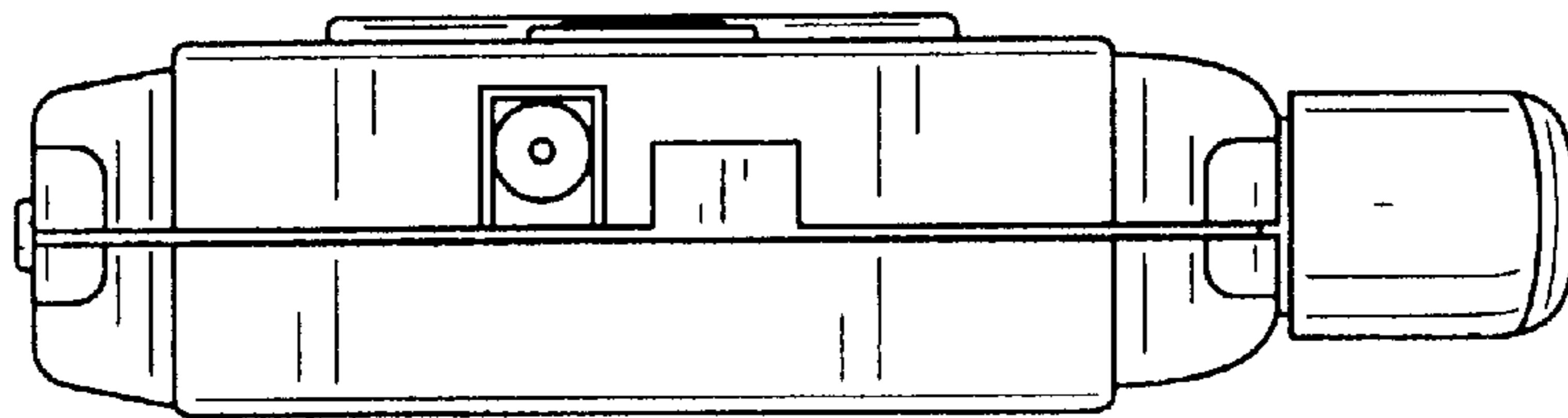


FIG. 7