



US00D389814S

United States Patent [19]

Iwamoto et al.

[11] Patent Number: **Des. 389,814**

[45] Date of Patent: ****Jan. 27, 1998**

[54] **IC CARD READER/WRITER**

4,341,951 7/1982 Benton 235/379
5,221,838 6/1993 Gutman et al. 235/379

[75] Inventors: **Masaaki Iwamoto; Hiroharu Hirata; Kazunari Sugita**, all of Tokyo, Japan

FOREIGN PATENT DOCUMENTS

[73] Assignee: **Oki Electric Industry Co., Ltd.**, Tokyo, Japan

887975 10/1993 Japan .
888404 10/1993 Japan .
1042938 12/1986 United Kingdom .

[**] Term: **14 Years**

OTHER PUBLICATIONS

[21] Appl. No.: **67,528**

Advertisement for "NT-200 Card Terminal" by Oki Electric Industry Co., Ltd. (prior art—publication date unknown).

[22] Filed: **Mar. 10, 1997**

Advertisement for "CATS-50 Multicard Terminal" by OMRON Corporation, (prior art—publication date unknown).

[30] Foreign Application Priority Data

Oct. 28, 1996 [JP] Japan 8-32013

Advertisement for "N6836CT Card Terminal" by NEC Corporation, (prior art—publication date unknown).

[51] **LOC (6) Cl.** **14-02**

Advertisement for "DT-100 IC Card Terminal" by Tamura Electric Works Ltd., (prior art—publication date unknown).

[52] **U.S. Cl.** **D14/105; D14/138; D18/7**

Advertisement for "CATS-100A G-CATS Terminal", by OMRON Corporation, (prior art—publication date unknown).

[58] **Field of Search** D14/100, 105, D14/107, 115, 137, 138, 218; D18/7; 235/380, 382, 382.5, 379, 441, 483, 493, 462, 472

Primary Examiner—Freda Nunn

Attorney, Agent, or Firm—Wenderoth, Lind & Ponack

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[57] CLAIM

The ornamental design for an IC card reader/writer, as shown and described.

DESCRIPTION

FIG. 1 is a bottom, front, right side perspective view of an IC card reader/writer according to our new design with its cover in an open position;
 FIG. 2 is a perspective view thereof similar to that shown in FIG. 1 and shown in the closed position;
 FIG. 3 is a front elevational view with the cover in an open position;
 FIG. 4 is a rear elevational view thereof;
 FIG. 5 is a top plan view thereof;
 FIG. 6 is a bottom plan view thereof; and,
 FIG. 7 is a right side elevational view thereof, the left side elevational view being a mirror image.

1 Claim, 4 Drawing Sheets

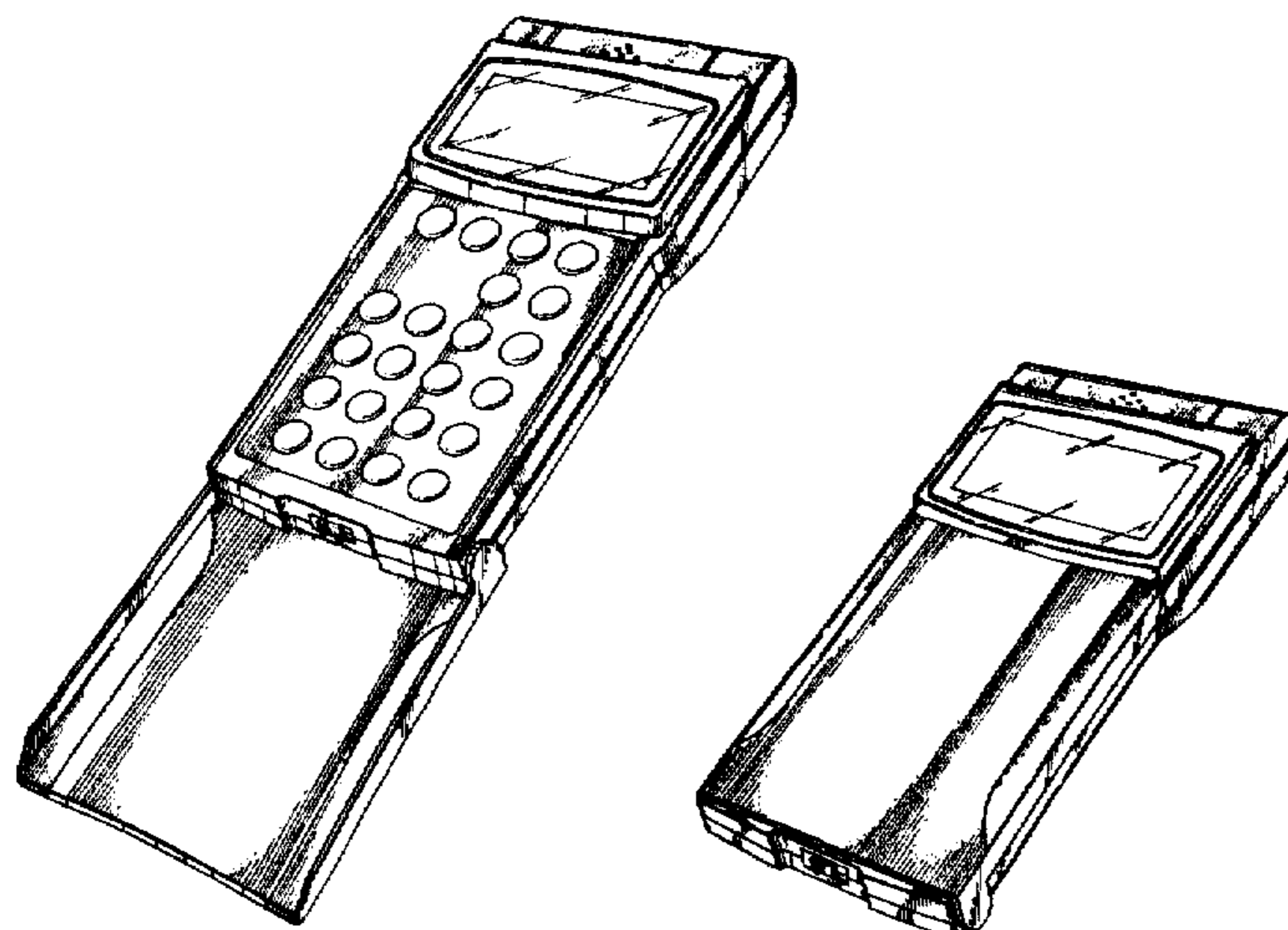


Fig. 1

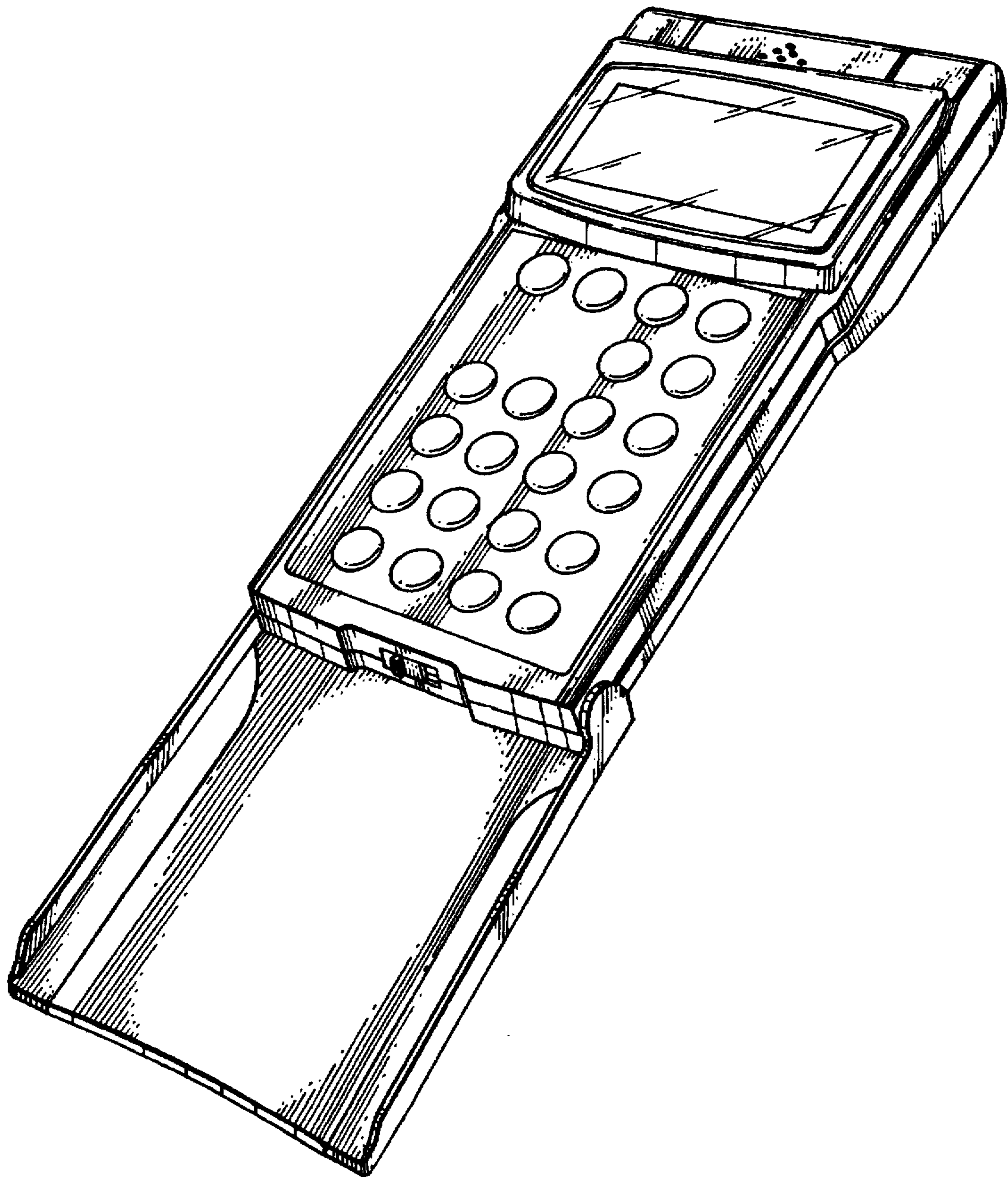


Fig. 2

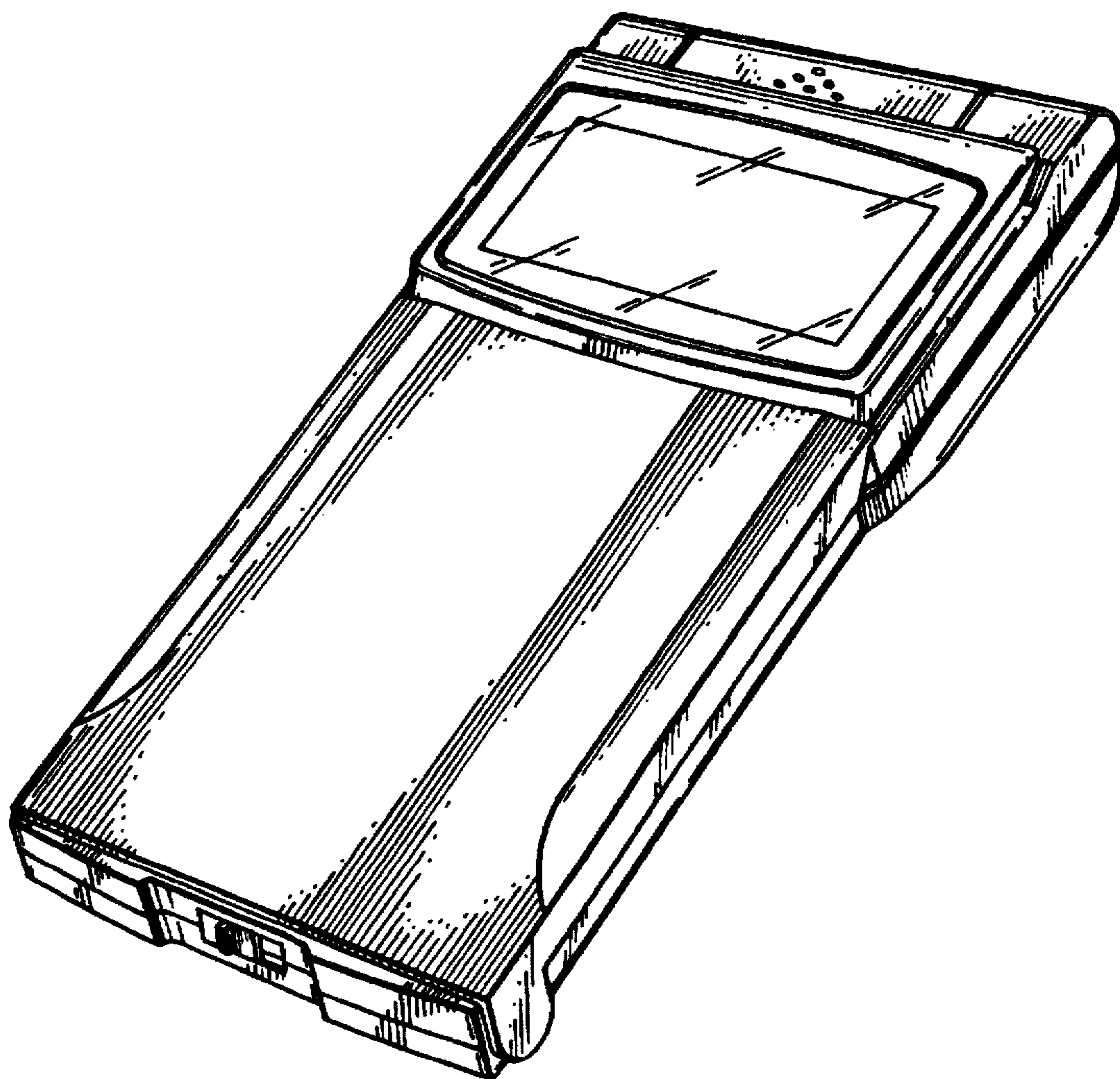


Fig. 3

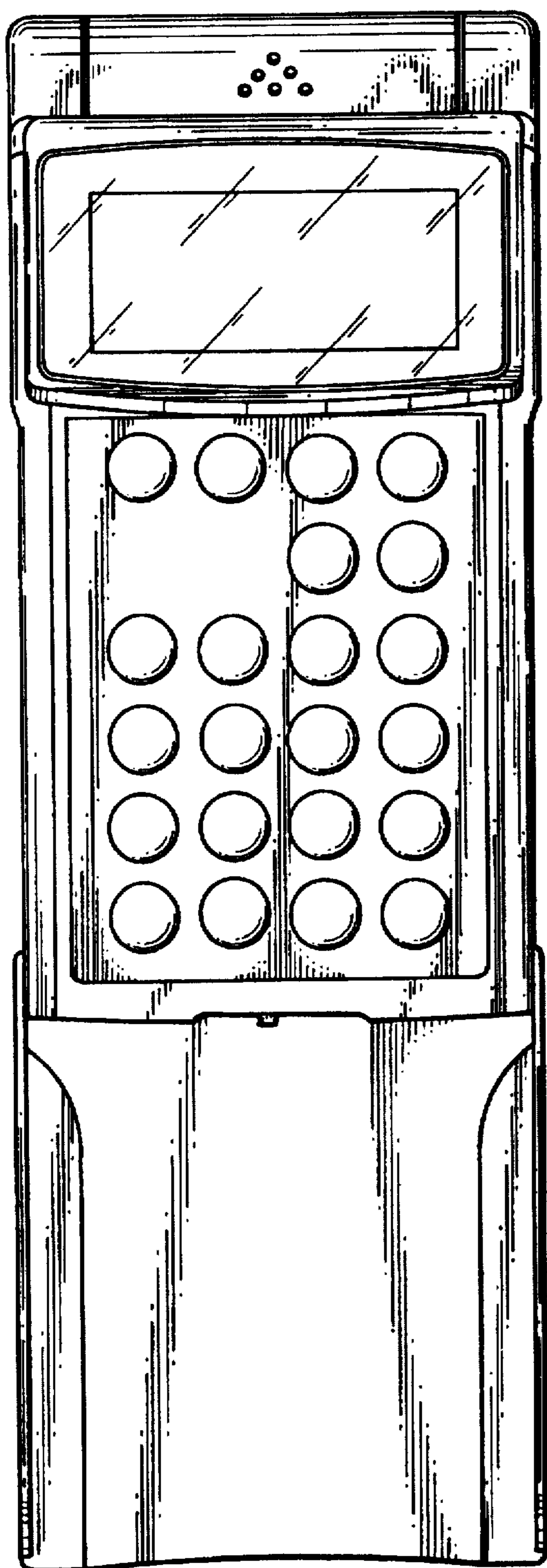


Fig. 4

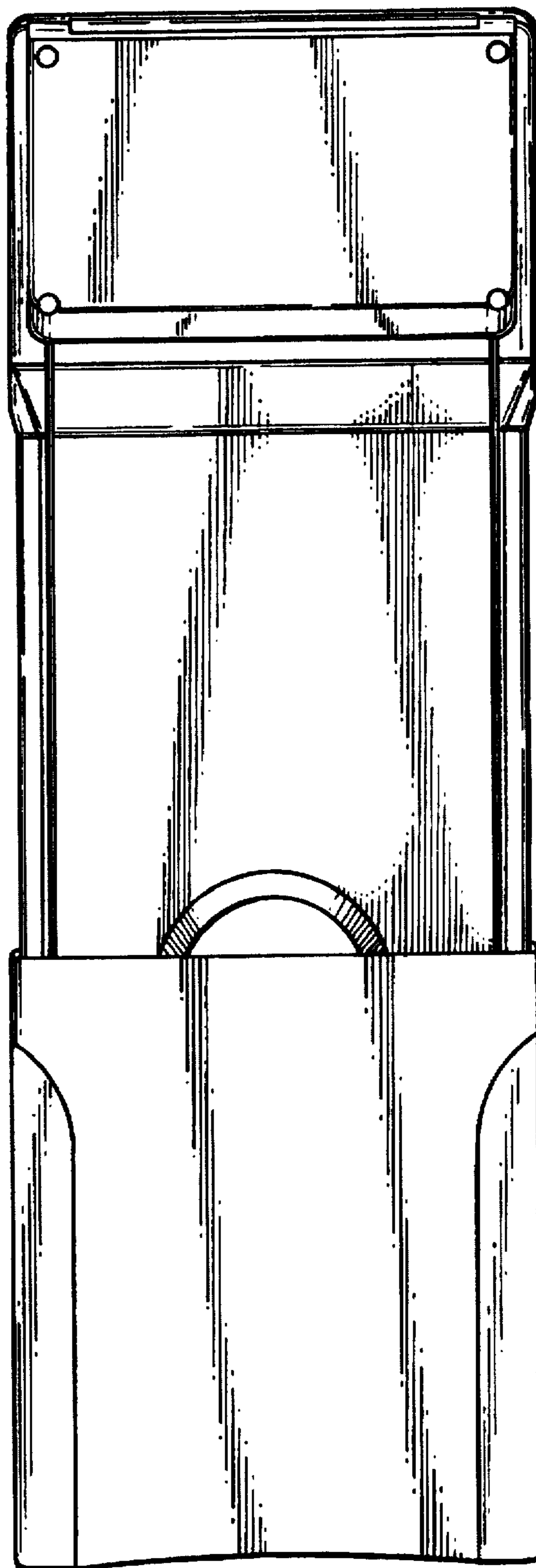


Fig. 7

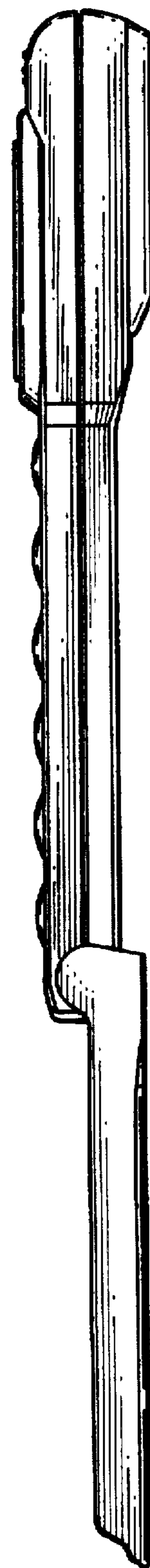


Fig. 5

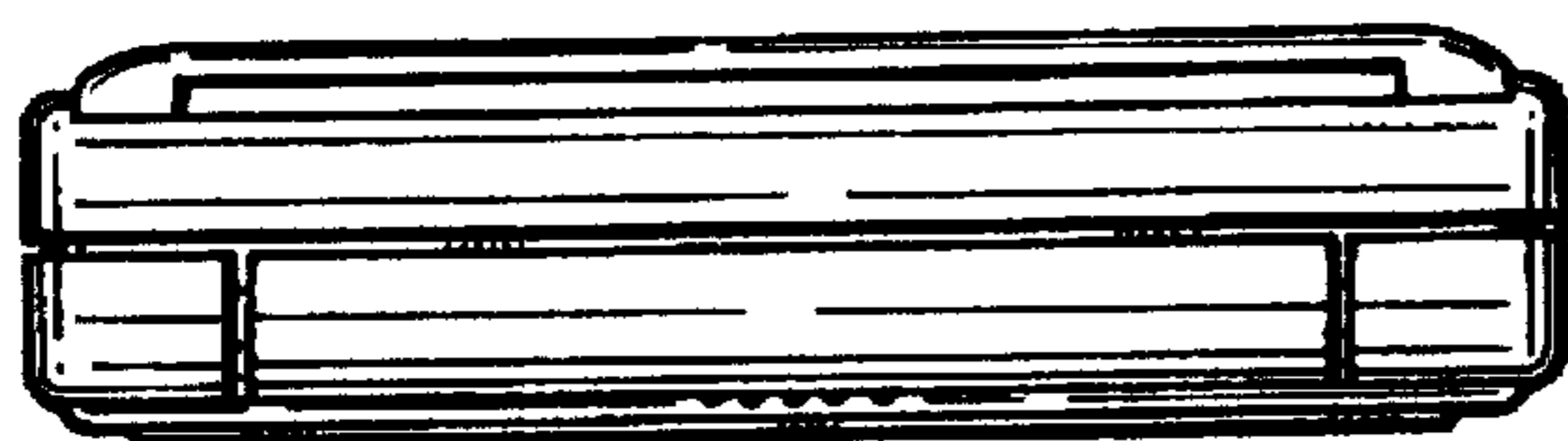


Fig. 6

