

US00D730216S

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

(10) **Patent No.:** **US D730,216 S**

(45) **Date of Patent:** **\*\* May 26, 2015**

(54) **PORTABLE ANALYTICAL INSTRUMENT**

(71) Applicant: **Thermo Scientific Portable Analytical Instruments Inc.**, Tewksbury, MA (US)

(72) Inventors: **Stephen McLaughlin**, Andover, MA (US); **Neil Hagerty**, Westford, MA (US); **Aaron Abroff**, Acton, MA (US)

(73) Assignee: **Thermo Scientific Portable Analytical Instruments Inc.**, Tewksbury, MA (US)

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

(21) Appl. No.: **29/489,754**

(22) Filed: **May 2, 2014**

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

(52) **U.S. Cl.**  
USPC ..... **D10/81; D10/78; D24/216**

(58) **Field of Classification Search**  
CPC ..... **G01N 29/04**  
USPC ..... **D10/78, 81; D24/107, 186, 232; 324/72.5, 110, 114, 115, 149, 151 A, 324/158 F, 156; 340/653, 660; 439/482; 422/63-83, 99, 100, 58, 61, 82.05; 423/43; 436/164, 166, 169, 605; 356/246**

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|           |   |   |         |                 |       |           |
|-----------|---|---|---------|-----------------|-------|-----------|
| D298,110  | S | * | 10/1988 | Kawano          | ..... | D10/46    |
| 5,281,395 | A | * | 1/1994  | Markart et al.  | ..... | 422/82.05 |
| D510,711  | S | * | 10/2005 | Syme et al.     | ..... | D10/81    |
| D651,925  | S | * | 1/2012  | Faulkner et al. | ..... | D10/81    |
| D669,375  | S | * | 10/2012 | Kao et al.      | ..... | D10/81    |
| D682,718  | S | * | 5/2013  | Azuma           | ..... | D10/70    |
| D684,490  | S | * | 6/2013  | Nelson et al.   | ..... | D10/81    |
| D684,491  | S | * | 6/2013  | Confield et al. | ..... | D10/81    |
| D698,673  | S | * | 2/2014  | Igelmund        | ..... | D10/78    |

|              |    |   |         |                   |       |            |
|--------------|----|---|---------|-------------------|-------|------------|
| 2002/0001539 | A1 | * | 1/2002  | DiCesare et al.   | ..... | 422/52     |
| 2004/0025604 | A1 | * | 2/2004  | Call et al.       | ..... | 73/863.22  |
| 2005/0187444 | A1 | * | 8/2005  | Hubner et al.     | ..... | 600/322    |
| 2007/0100365 | A1 | * | 5/2007  | Deck              | ..... | 606/181    |
| 2008/0241933 | A1 | * | 10/2008 | Barker et al.     | ..... | 436/8      |
| 2008/0257040 | A1 | * | 10/2008 | Meinecke et al.   | ..... | 73/431     |
| 2009/0084678 | A1 | * | 4/2009  | Joshi et al.      | ..... | 204/403.14 |
| 2012/0004852 | A1 | * | 1/2012  | Miltner et al.    | ..... | 702/19     |
| 2012/0272713 | A1 | * | 11/2012 | Kountotsis et al. | ..... | 73/23.3    |
| 2013/0016337 | A1 | * | 1/2013  | Gardner et al.    | ..... | 356/51     |
| 2014/0335527 | A1 | * | 11/2014 | Goel              | ..... | 435/6.12   |

\* cited by examiner

*Primary Examiner* — Antoine D Davis

(74) *Attorney, Agent, or Firm* — Ion C. Abraham

(57) **CLAIM**

The ornamental design for a portable analytical instrument, substantially as shown.

**DESCRIPTION**

This invention was made with government support under Contract Number N00174-13-C-0032, Contract Name: Naval Explosive Ordnance Disposal Technology Division (NAVEODTECHDIV), task Order TI 69. The government has certain rights in this invention.

FIG. 1 is a front perspective view of the portable analytical instrument;

FIG. 2 is a rear perspective view of the portable analytical instrument;

FIG. 3 is a front view of the portable analytical instrument;

FIG. 4 is a rear view of the portable analytical instrument;

FIG. 5 is a side view of the portable analytical instrument;

FIG. 6 is a side view of the portable analytical instrument;

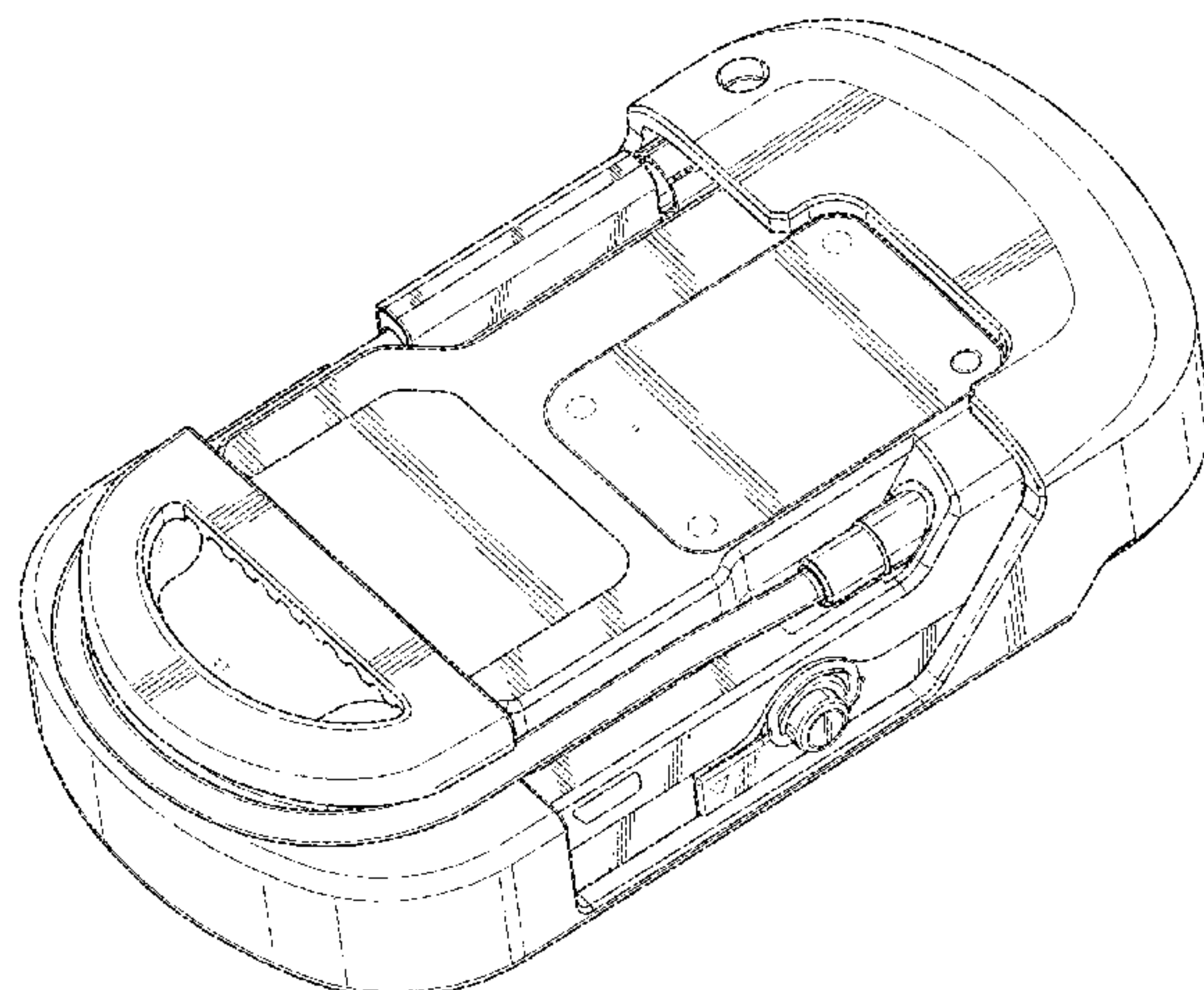
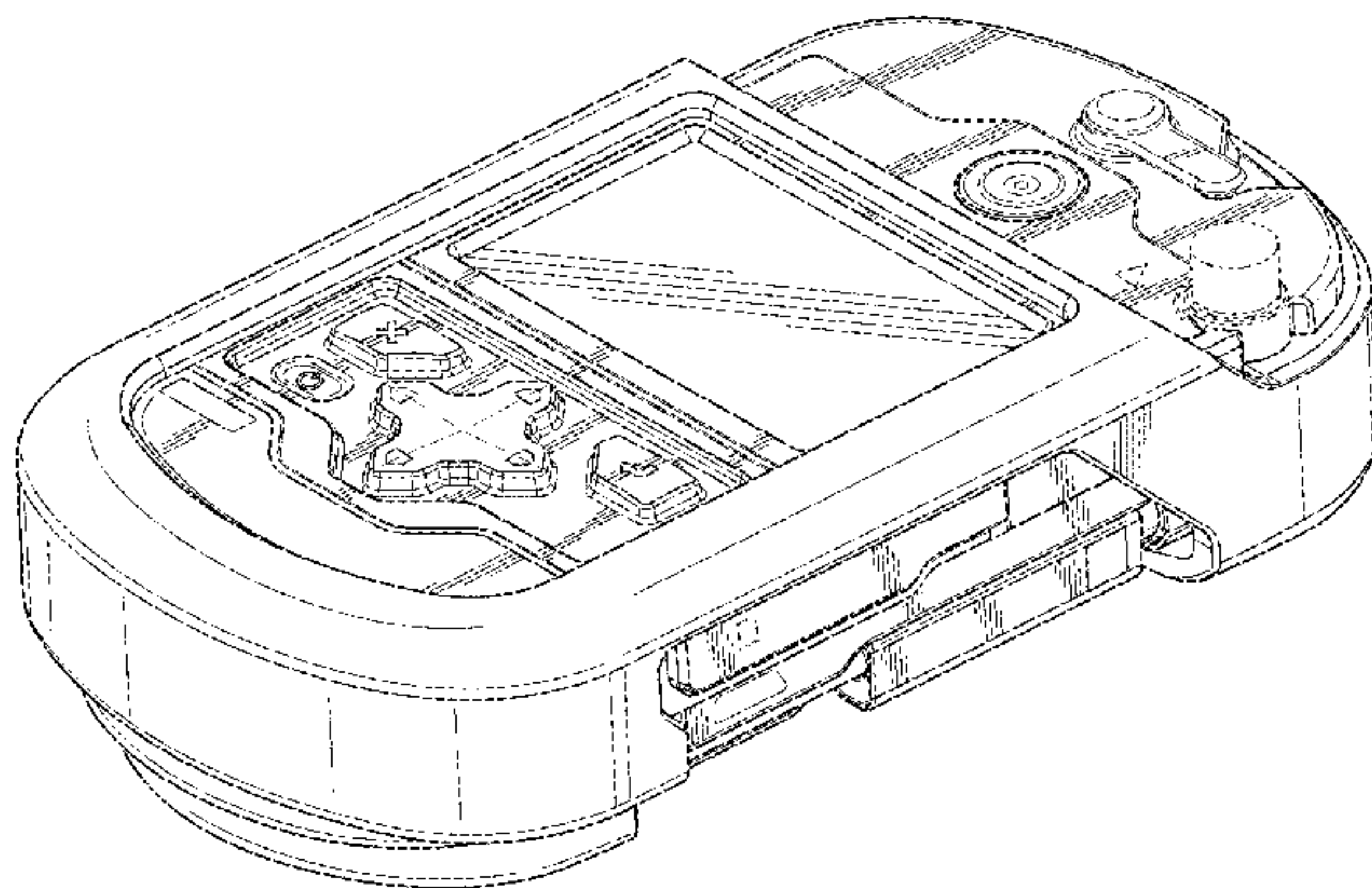
FIG. 7 is a top view of the portable analytical instrument;

FIG. 8 is a bottom view of a portable analytical instrument;

FIG. 9 is a front view of the portable analytical instrument showing a movable anvil in a first alternative position; and,

FIG. 10 is a front view of the portable analytical instrument showing a movable anvil in a second alternative position.

**1 Claim, 8 Drawing Sheets**





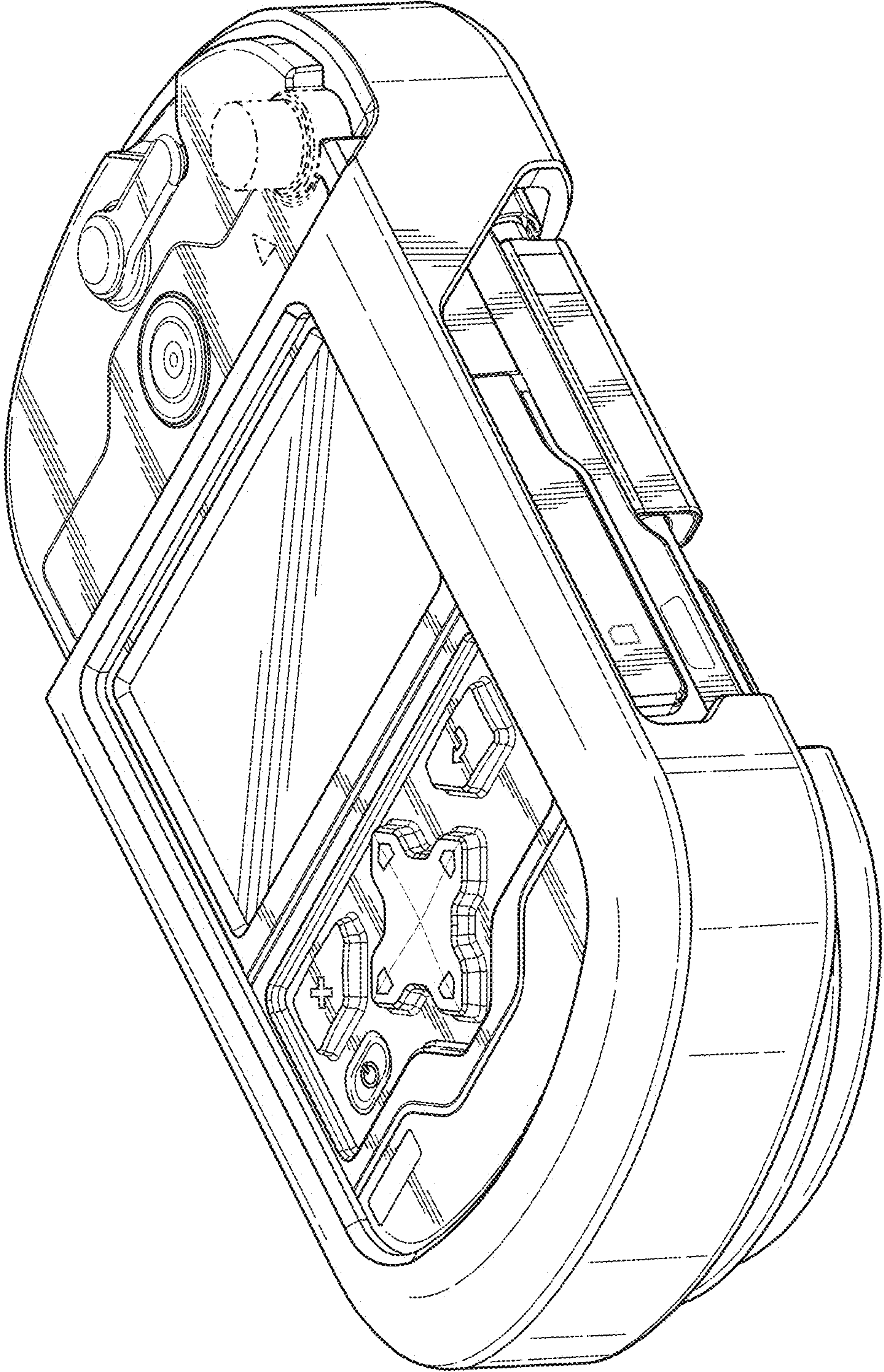


FIG. 1

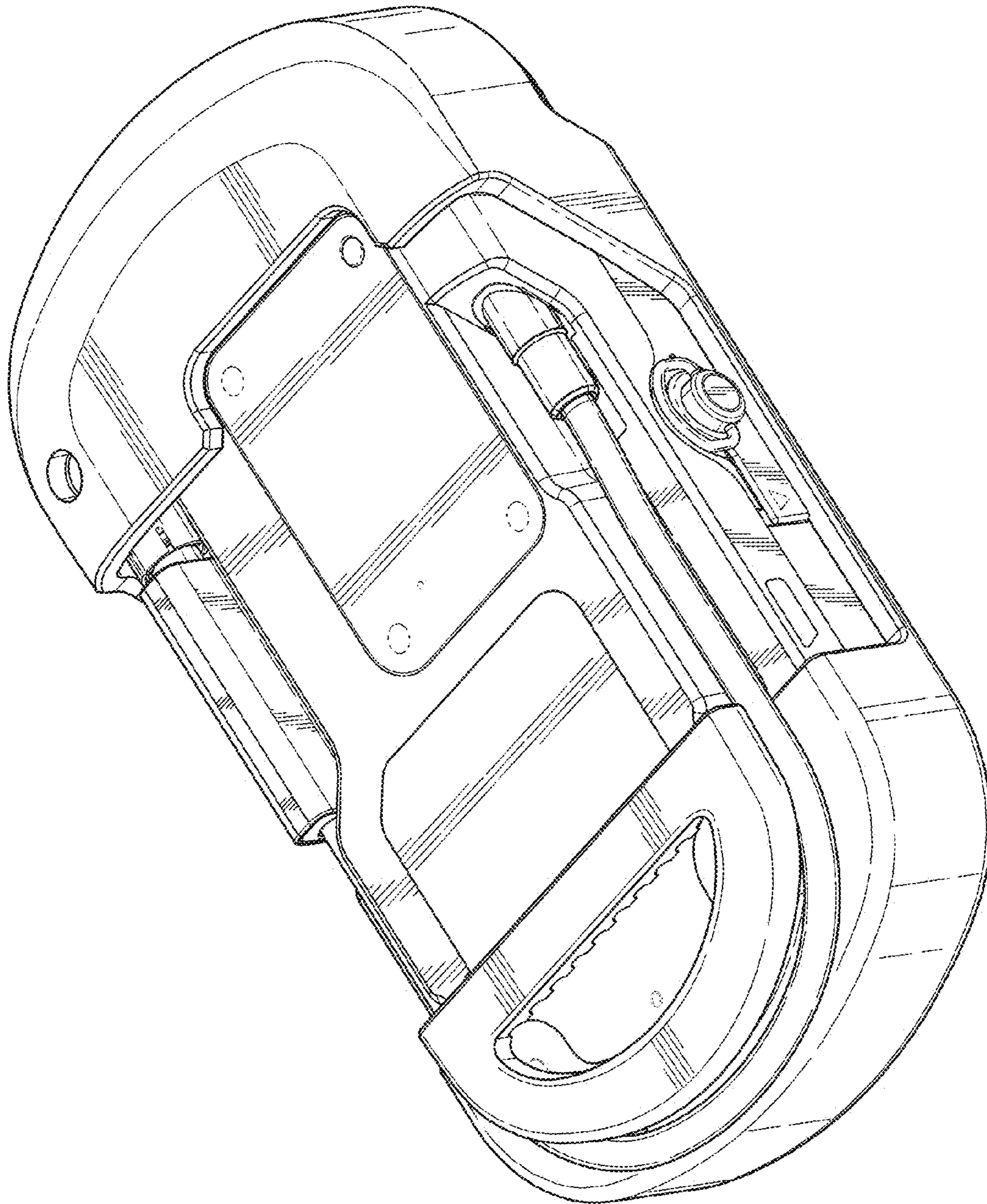


FIG. 2



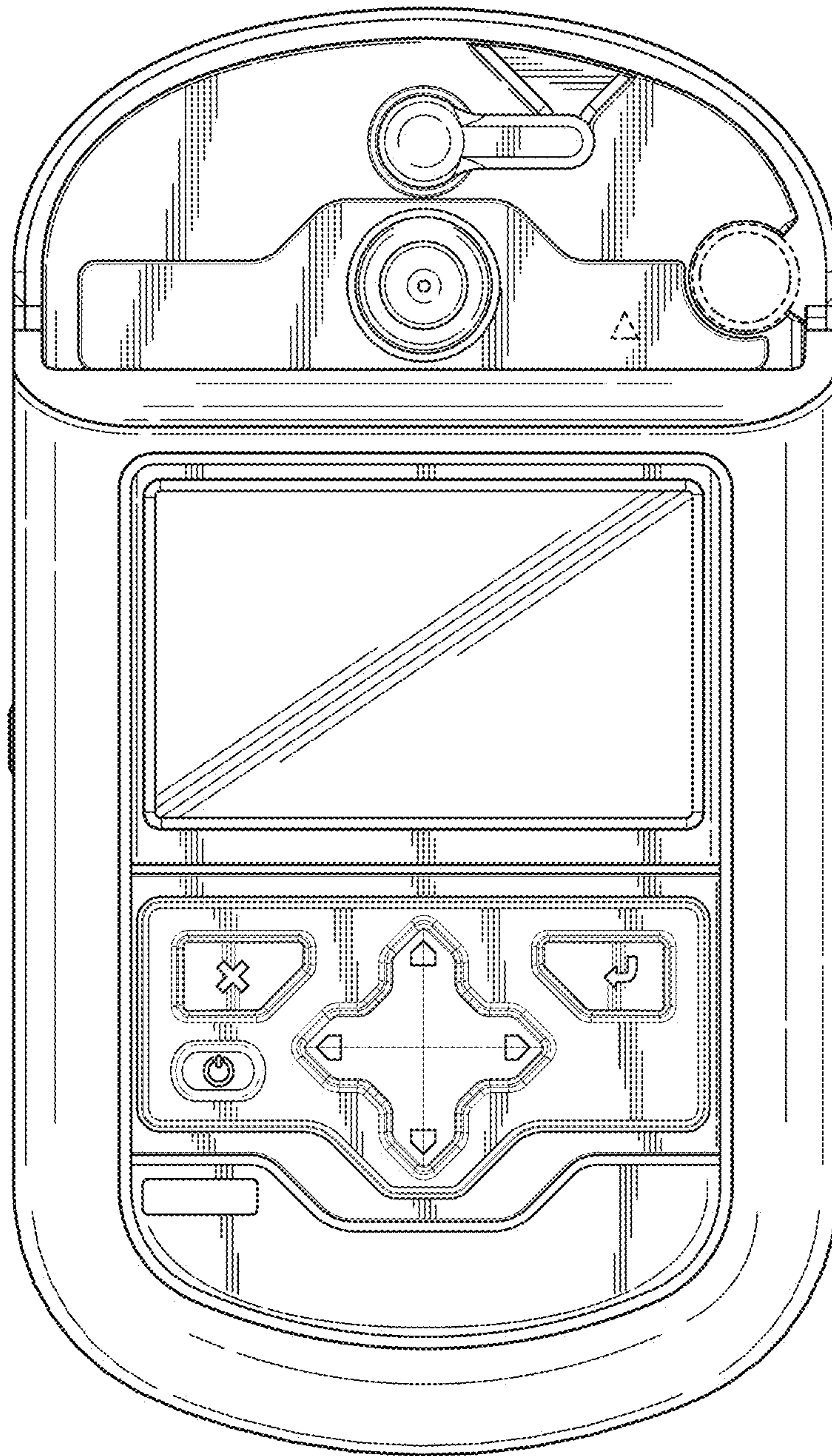


FIG. 3

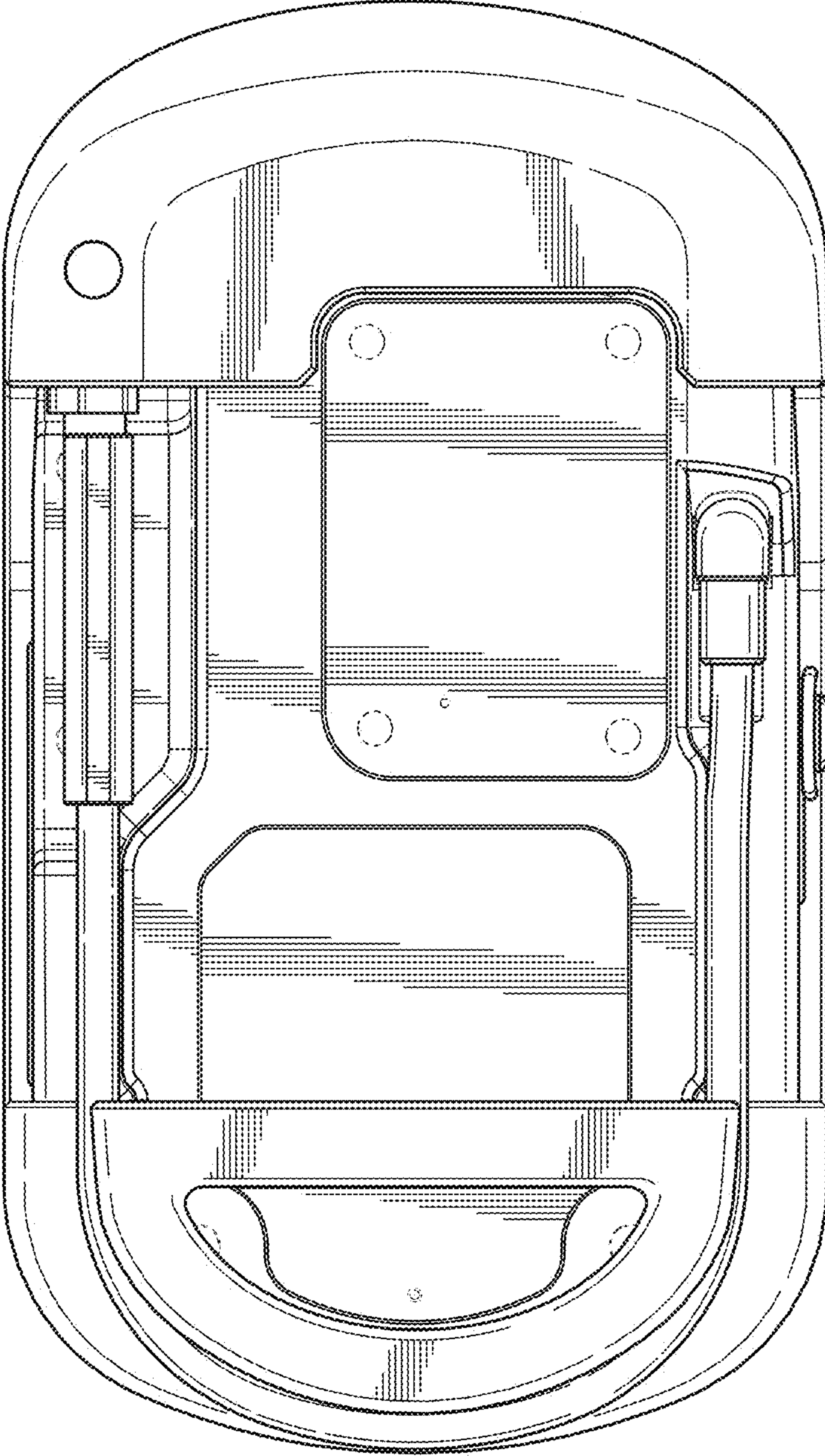


FIG. 4

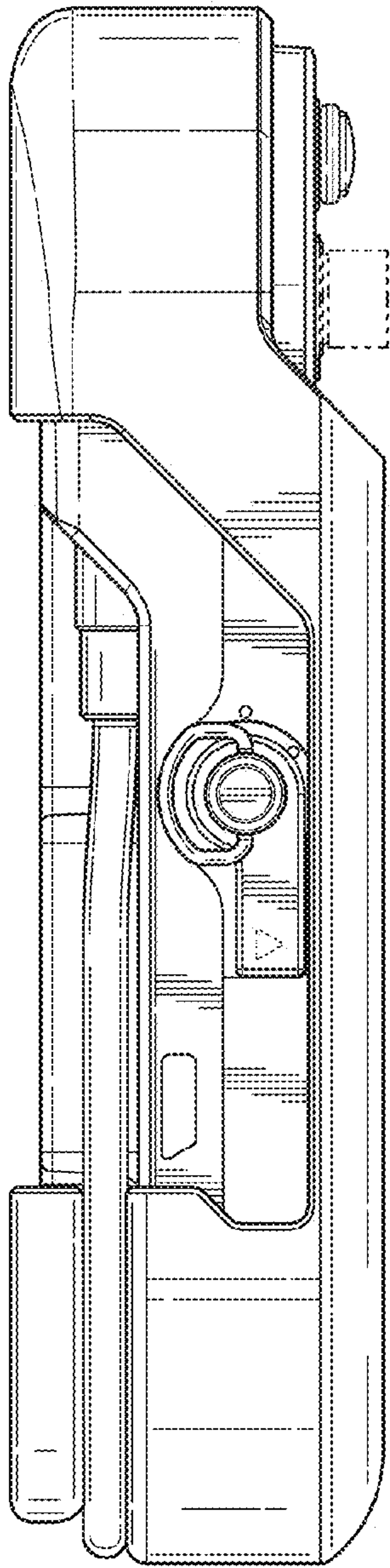


FIG. 5

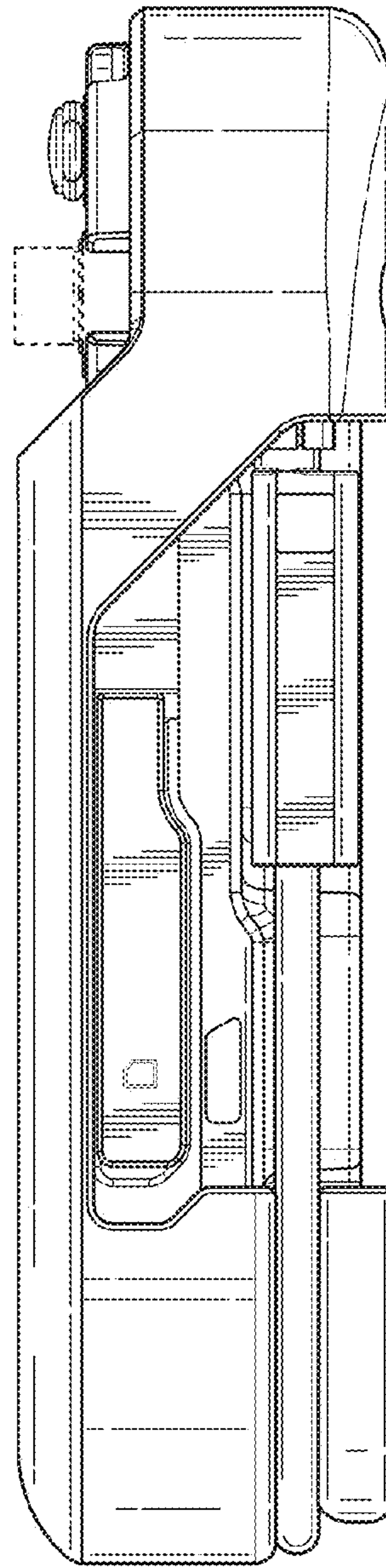


FIG. 6



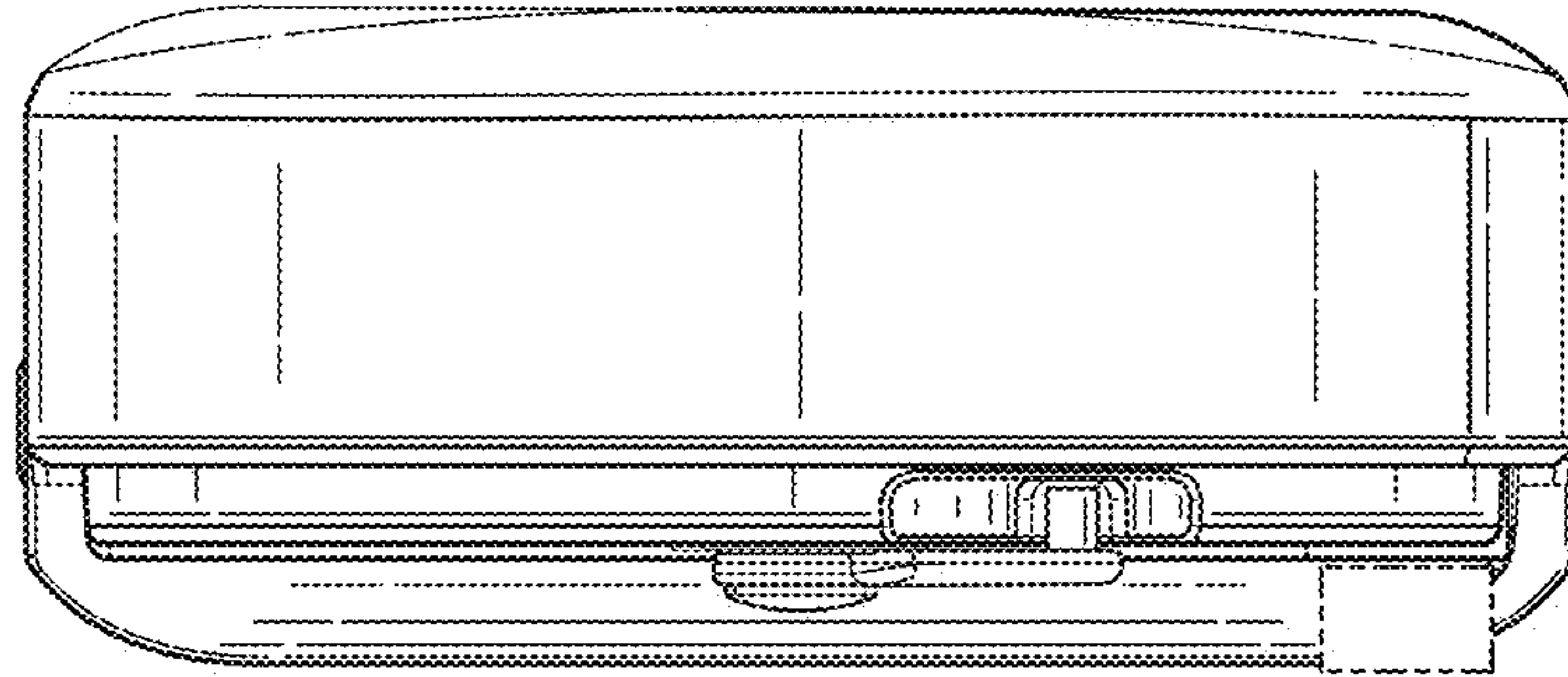


FIG. 7

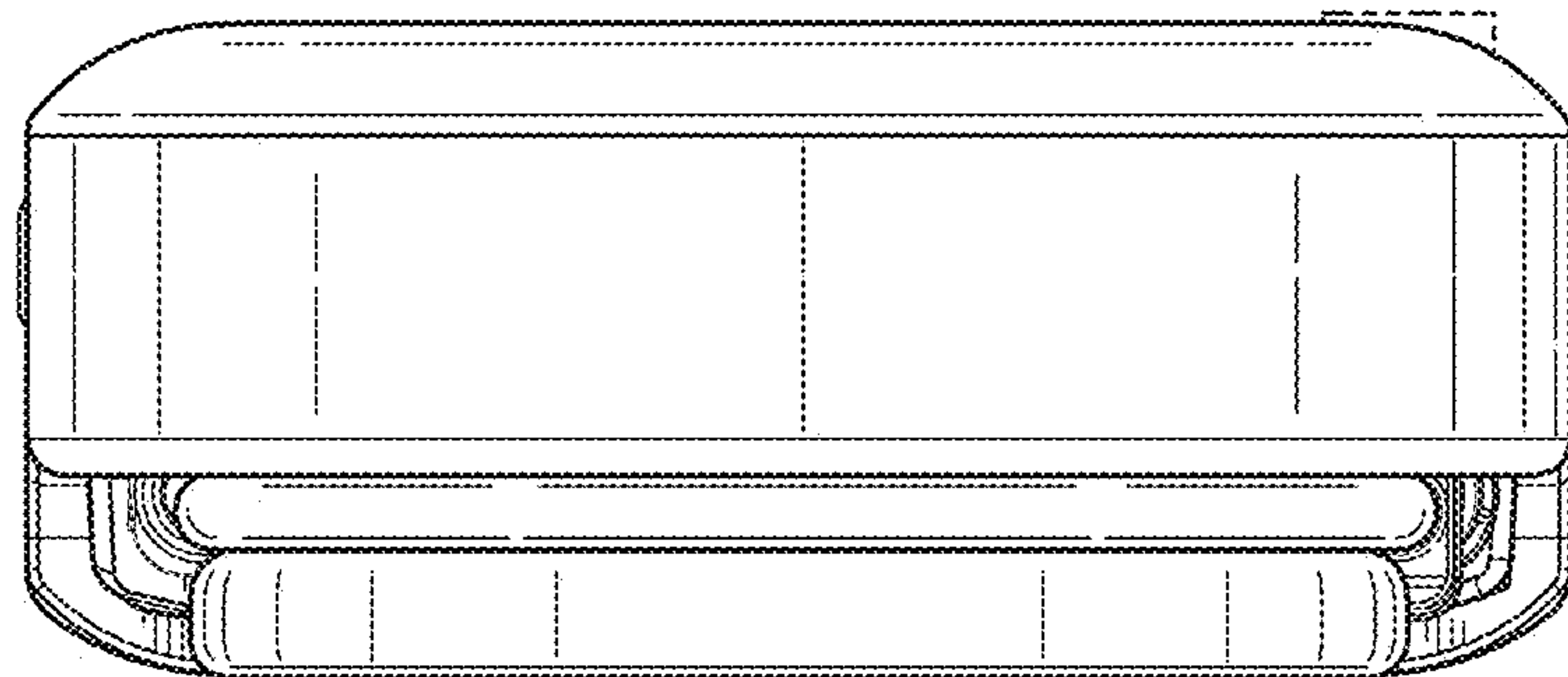


FIG. 8

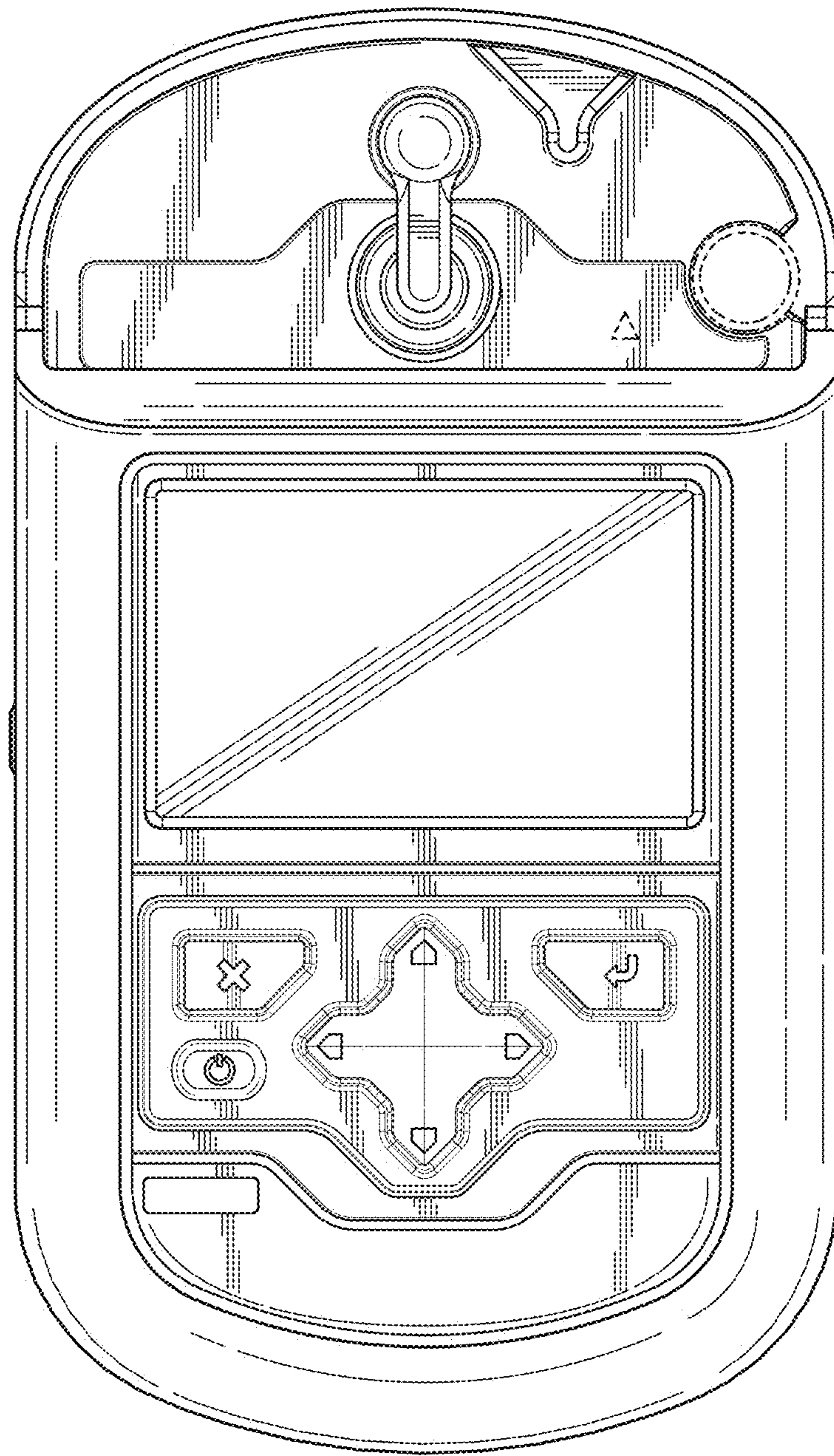


FIG. 9



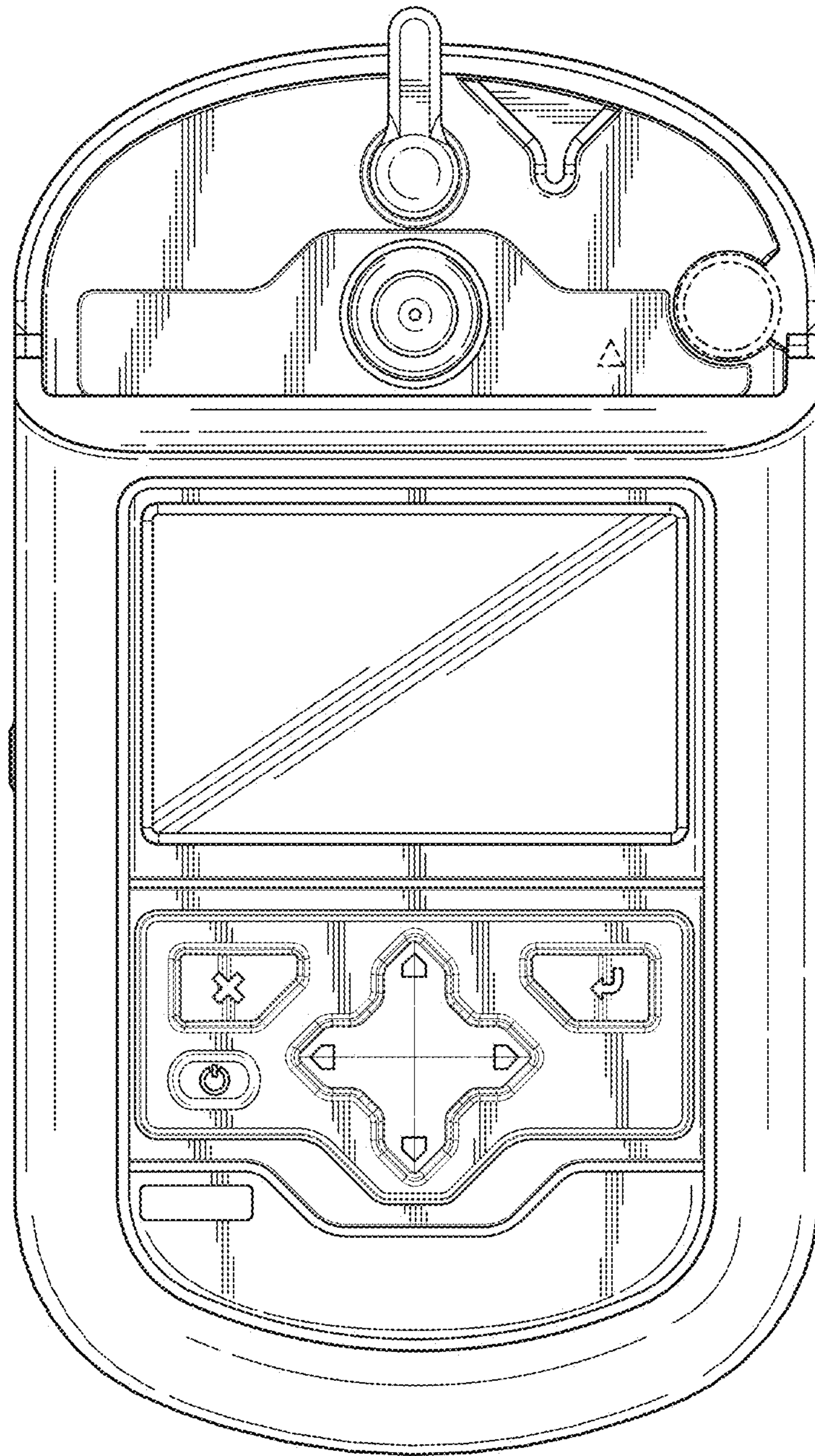


FIG. 10