



US00D693254S

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

(10) **Patent No.:** **US D693,254 S**  
(45) **Date of Patent:** **\*\* Nov. 12, 2013**

(54) **PORTABLE GAS DETECTOR**

435/287.2, 297.3, 288.3, 288.4, 288.5, 806;  
205/159; 977/748, 750, 847

(71) Applicant: **Harbin East Alarm Equipment Development Co., Ltd.**, Heilongjiang (CN)

See application file for complete search history.

(72) Inventors: **Jilong Liu**, Heilongjiang (CN); **Xuannan Li**, Heilongjiang (CN); **Fei Mao**, Heilongjiang (CN)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D638,550 S \* 5/2011 Bedingham et al. .... D24/216  
D667,561 S \* 9/2012 Bedingham et al. .... D24/216  
2012/0080319 A1\* 4/2012 Myung et al. .... 205/159

(73) Assignee: **Harbin East Alarm Equipment Co., Ltd.**, Harbin (CN)

\* cited by examiner

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

*Primary Examiner* — Antoine D Davis

(21) Appl. No.: **29/434,548**

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(22) Filed: **Oct. 15, 2012**

(57) **CLAIM**

We claim the ornamental design for a portable gas detector, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Sep. 7, 2012 (CN) ..... 2012 3 0428416

(51) **LOC (9) Cl.** ..... **10-04**

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

(58) **Field of Classification Search**  
USPC ..... D10/78, 81; D24/216; 422/431, 63,  
422/68.1–82.13, 99, 102, 104, 82.5;  
600/551, 549, 345, 361, 366, 573, 587,  
600/591; 436/514, 805, 808, 806, 809, 810,  
436/164, 168, 169, 170; 204/400, 406–408,  
204/416, 433, 412; 435/810, 675, 970, 969,

FIG. 1 is a front view of a portable gas detector of the present invention;

FIG. 2 is a back view of the portable gas detector of FIG. 1;

FIG. 3 is a left view of the portable gas detector of FIG. 1;

FIG. 4 is a right view of the portable gas detector of FIG. 1;

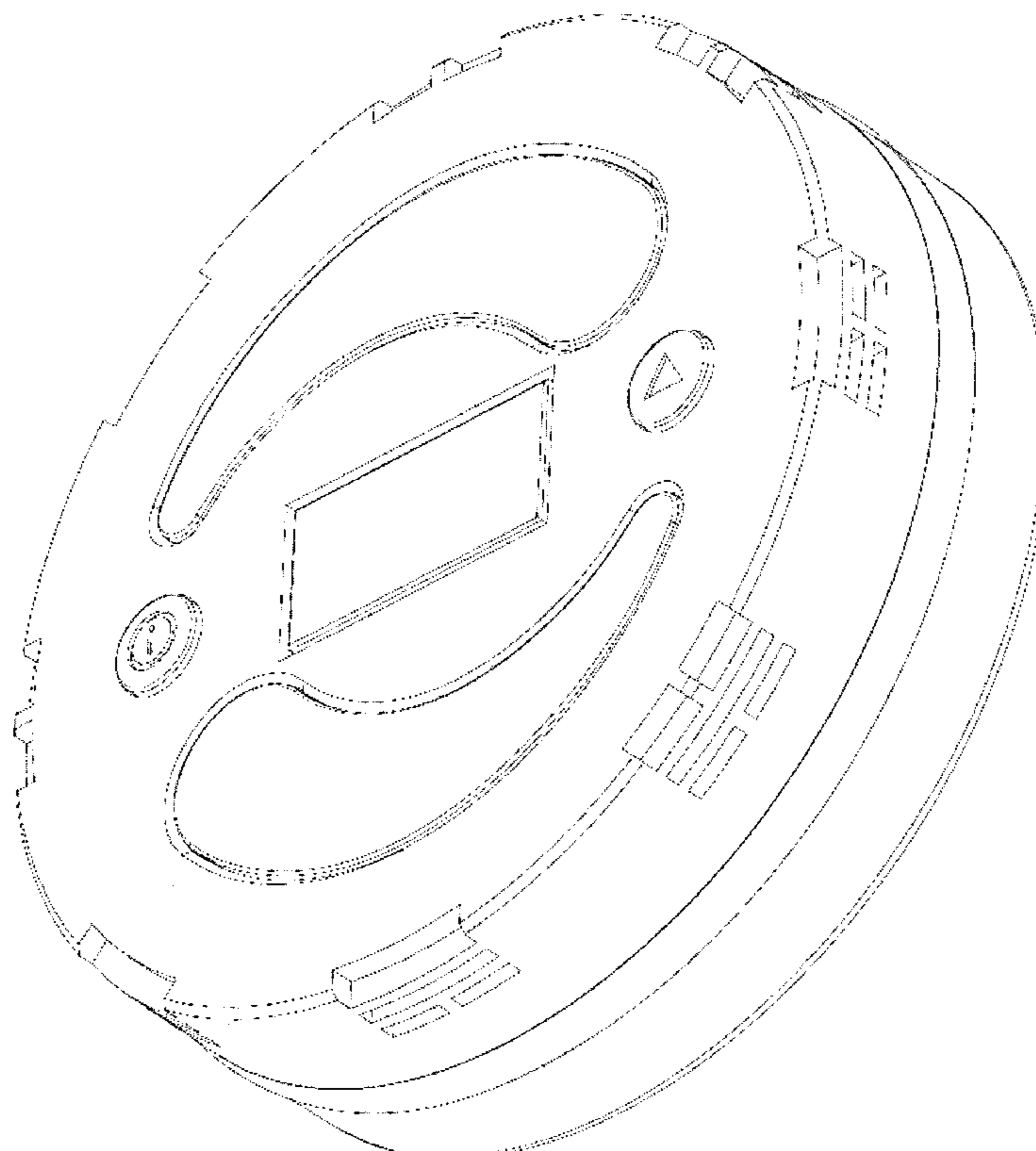
FIG. 5 is a top view of the portable gas detector of FIG. 1;

FIG. 6 is a bottom view of the portable gas detector of FIG. 1;

and,

FIG. 7 is a perspective view of the portable gas detector of FIG. 1.

**1 Claim, 7 Drawing Sheets**



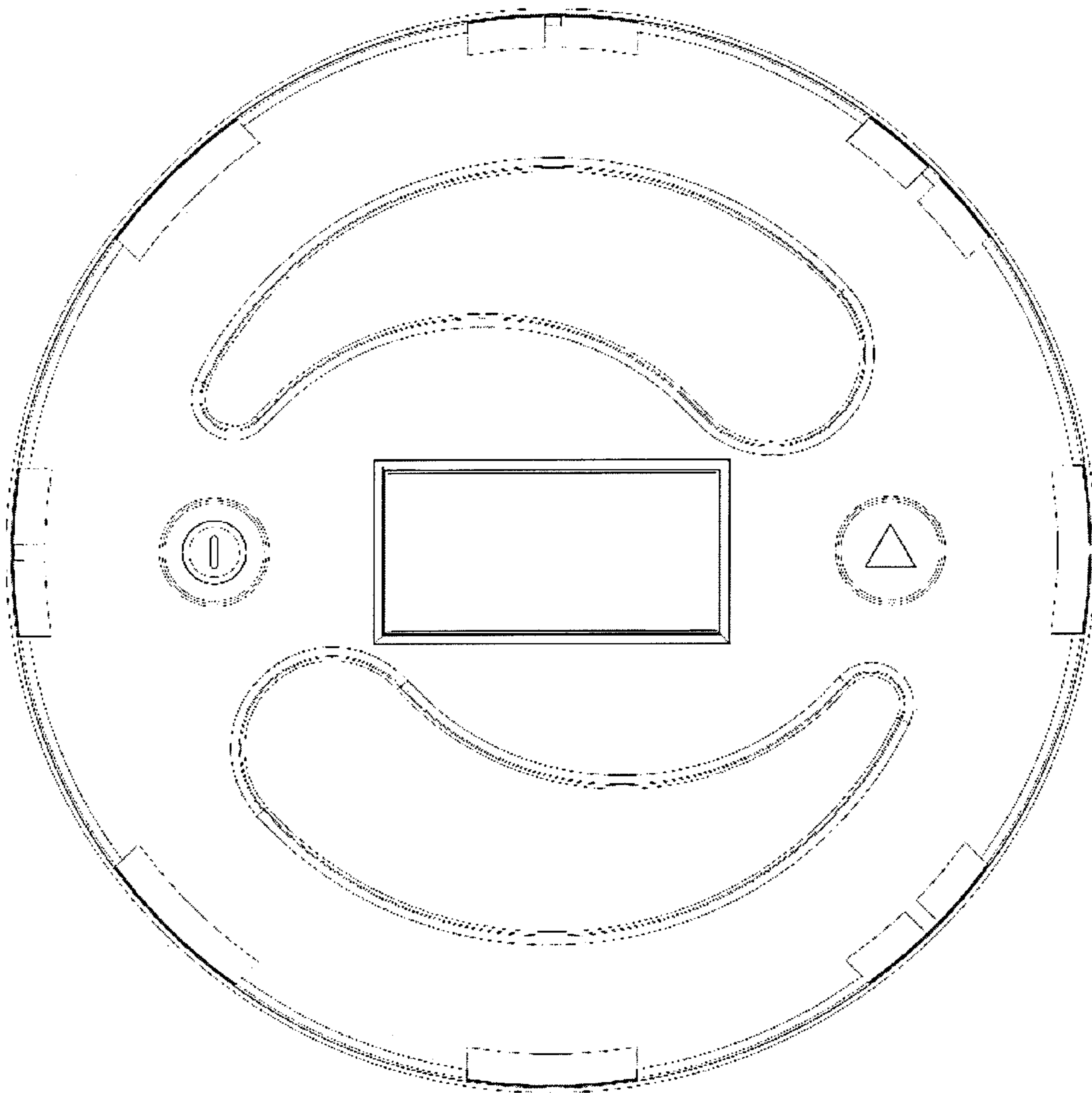


Fig. 1

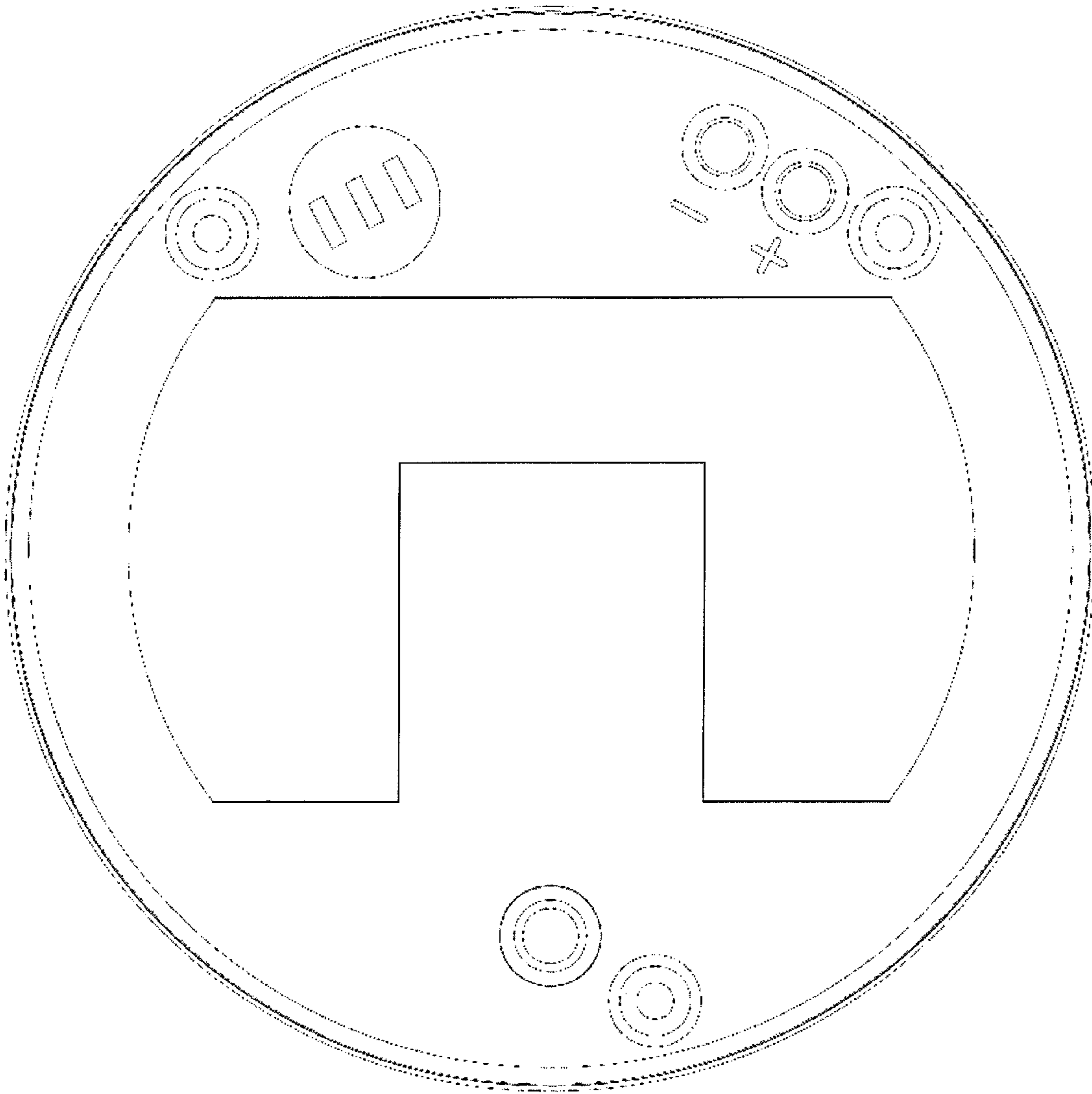


Fig. 2

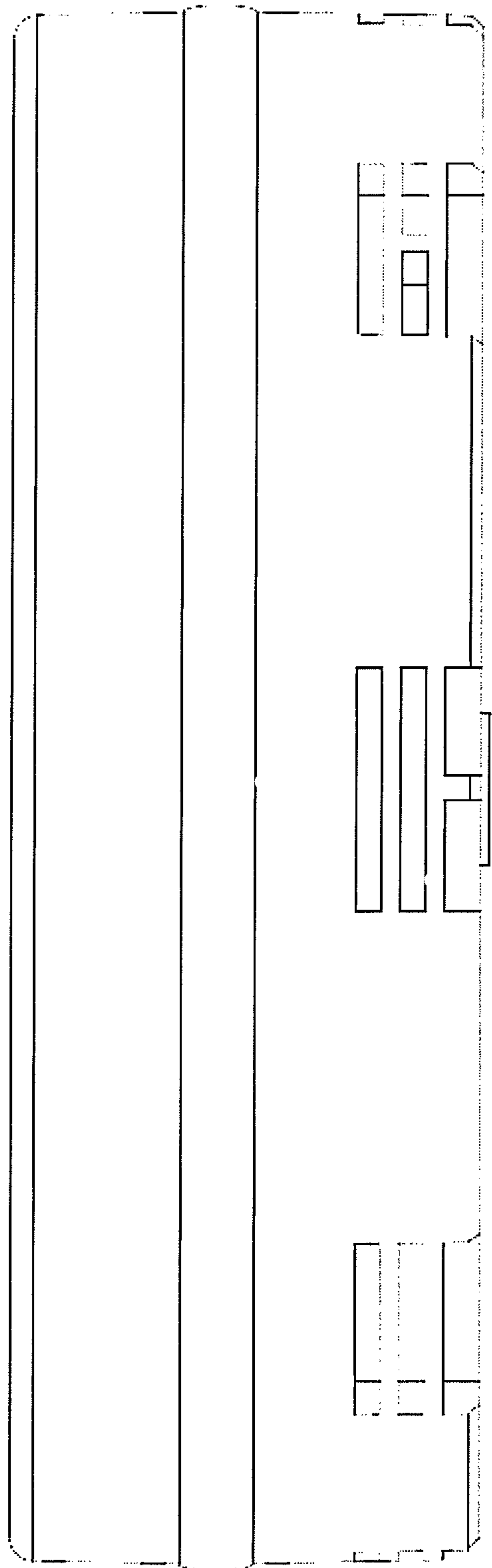


Fig. 3

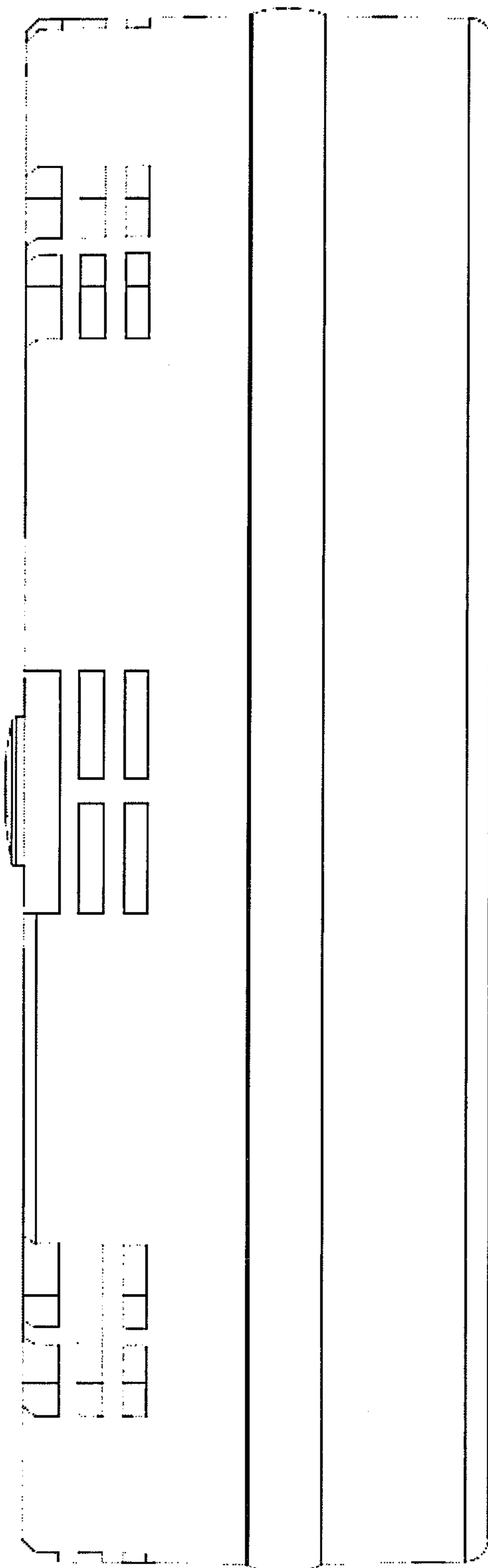


Fig. 4

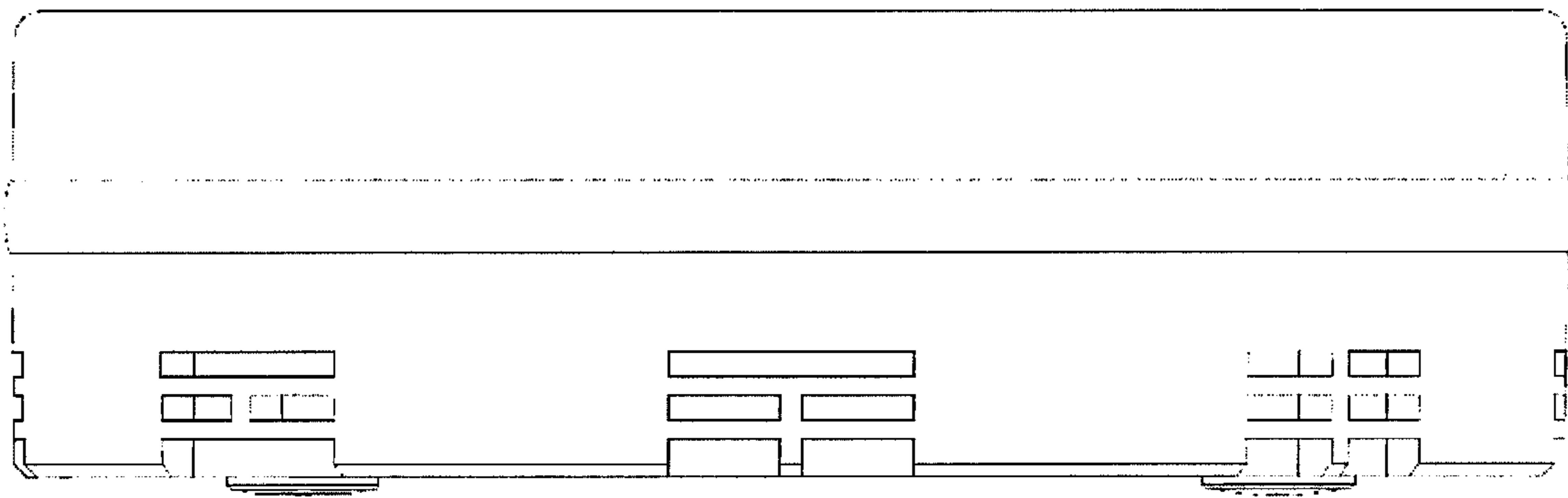


Fig. 5

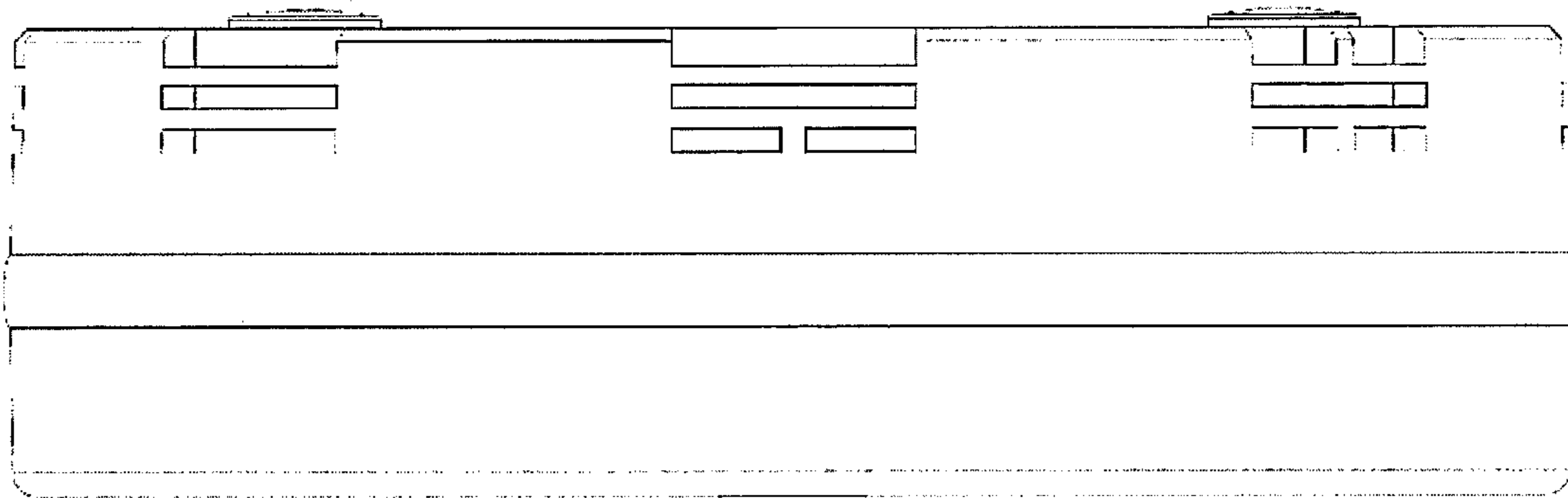


Fig. 6

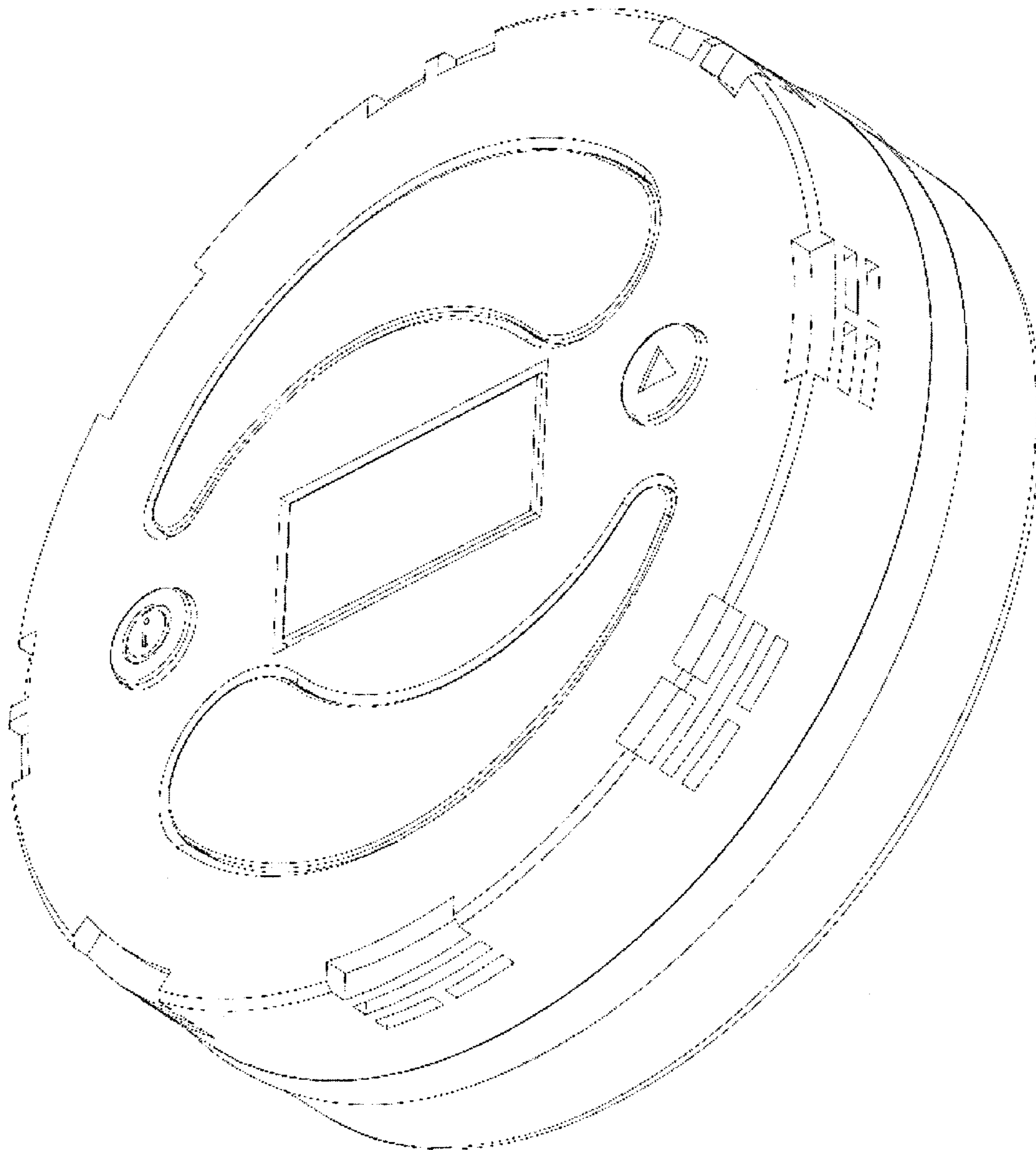


Fig. 7



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D693,254 S  
APPLICATION NO. : 29/434548  
DATED : November 12, 2013  
INVENTOR(S) : Jilong Liu et al.

Page 1 of 9


It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page should be deleted and substitute therefor the attached title page.

Drawings:

Delete Drawing Sheets 1-7, and substitute therefor the drawing Sheets, consisting of Figs. 1-7,  
as shown on the attached pages.

Signed and Sealed this  
Twentieth Day of May, 2014



Michelle K. Lee  
*Deputy Director of the United States Patent and Trademark Office*

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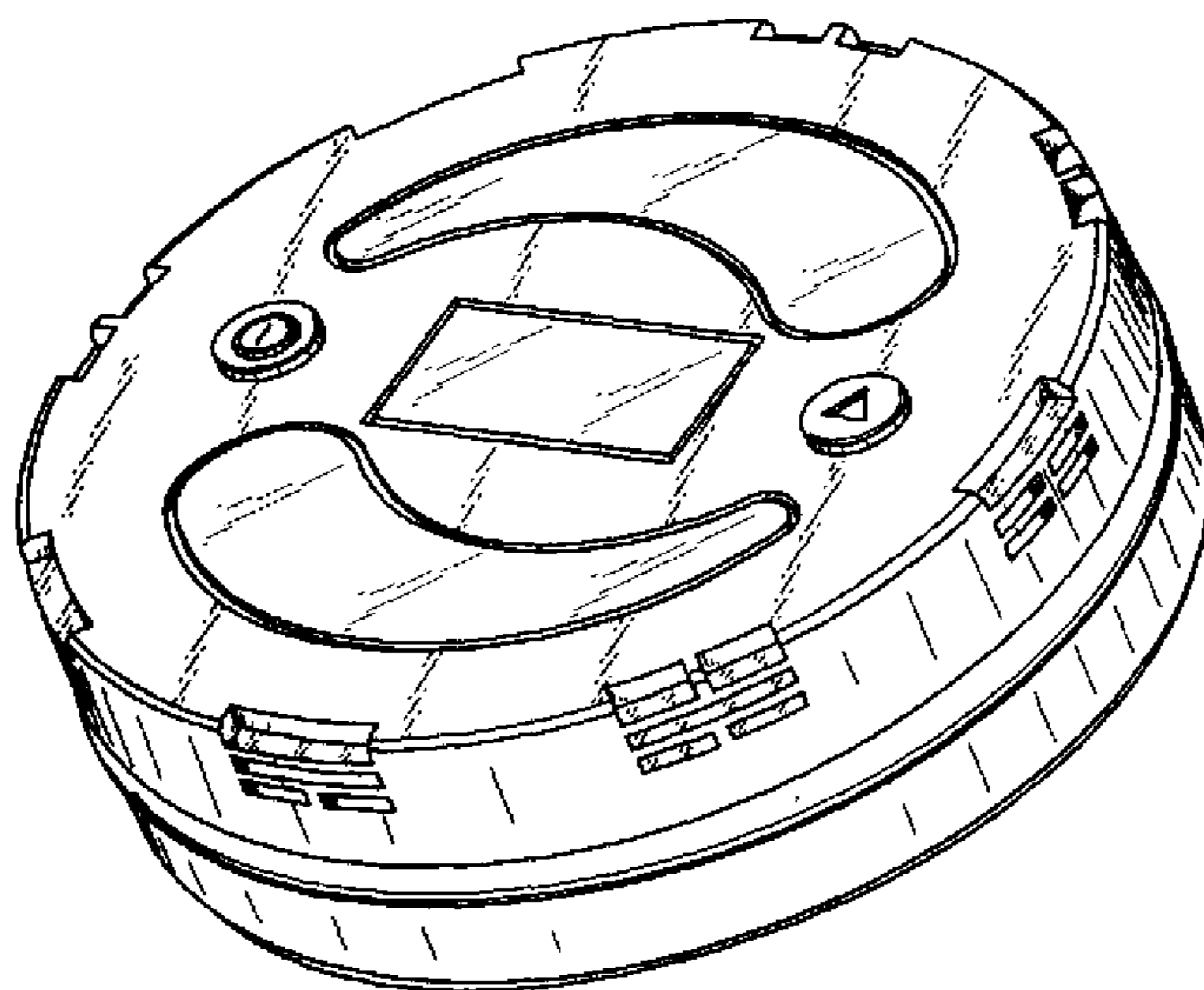
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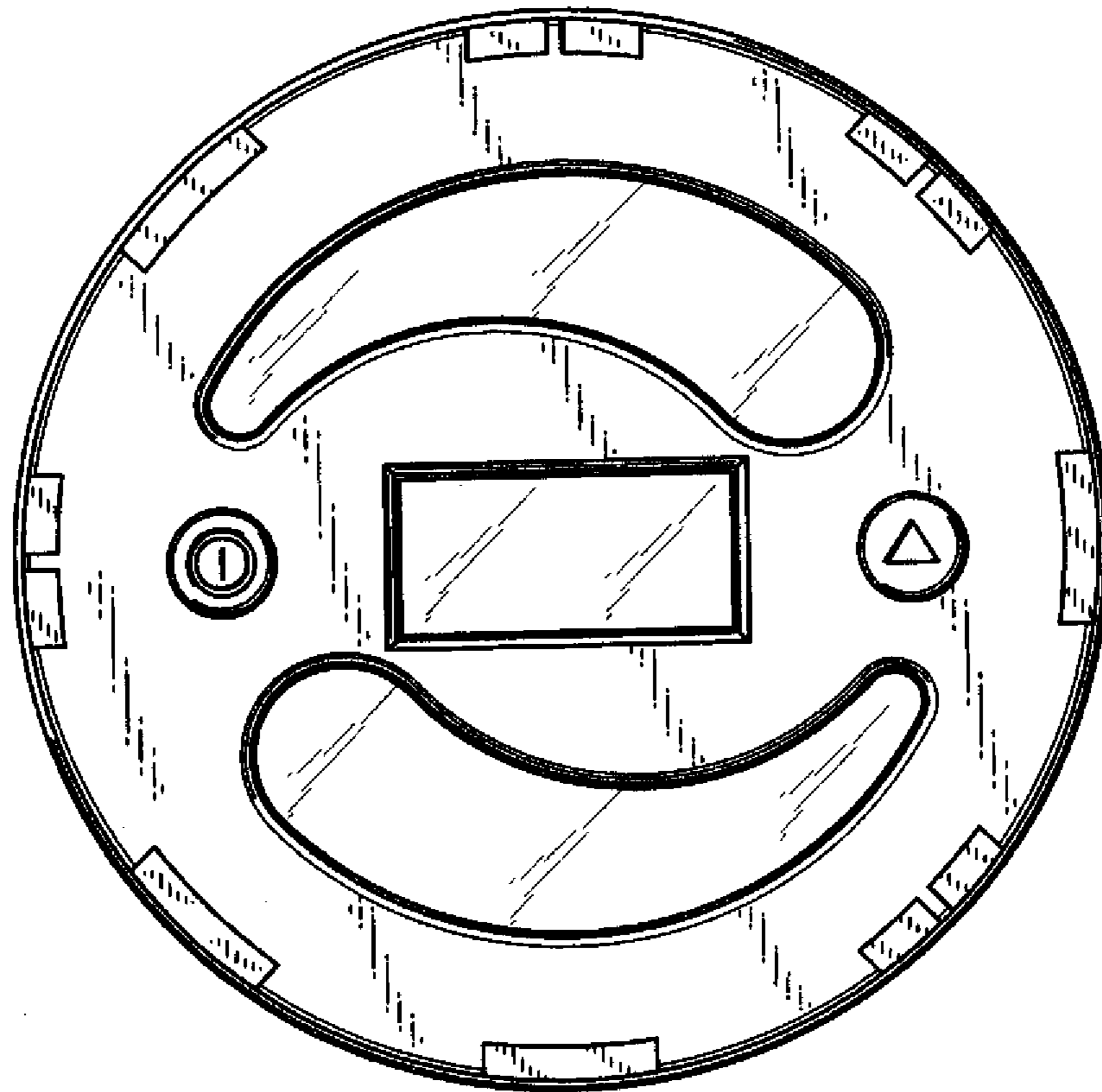


Fig. 1

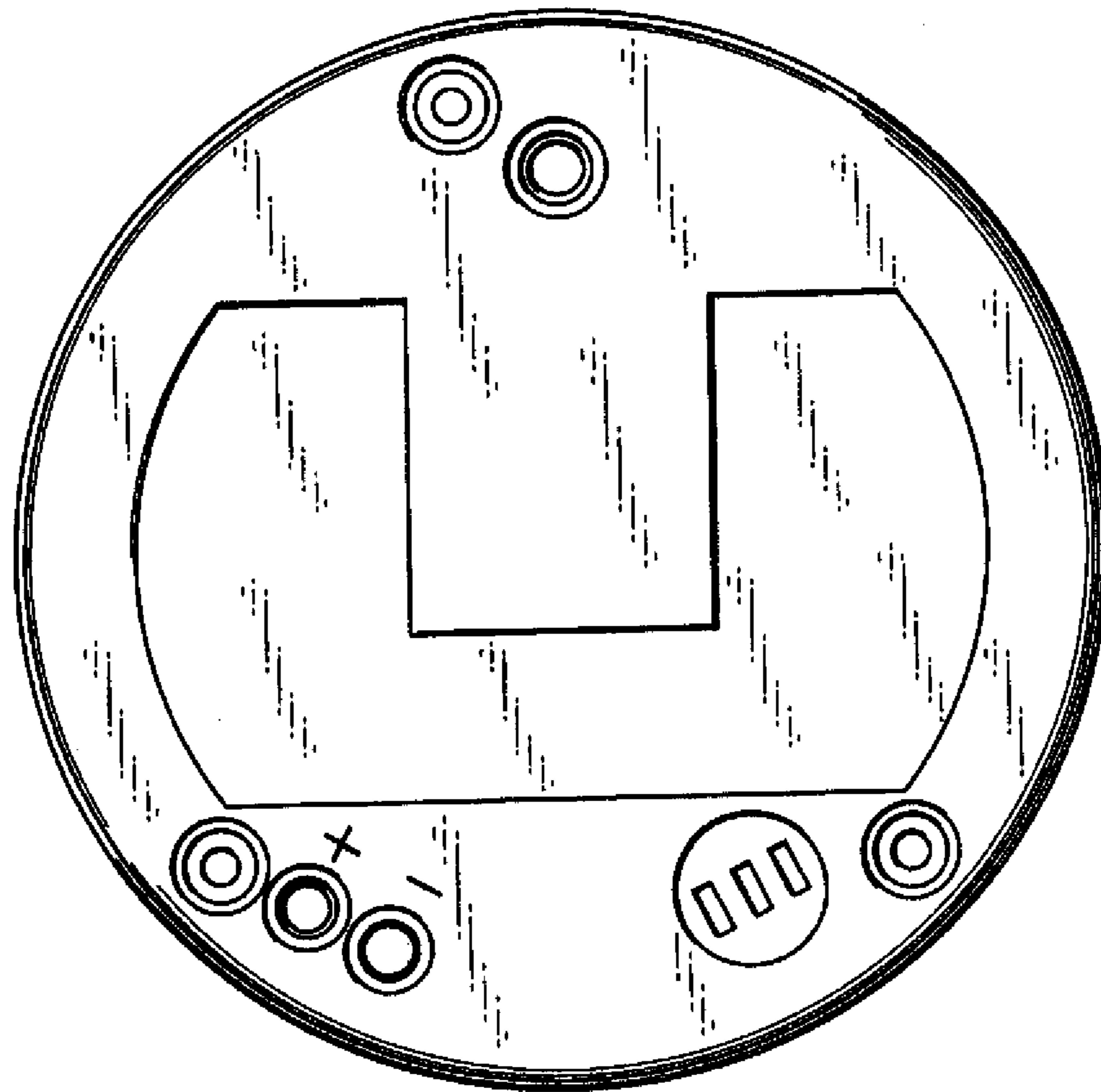


Fig. 2

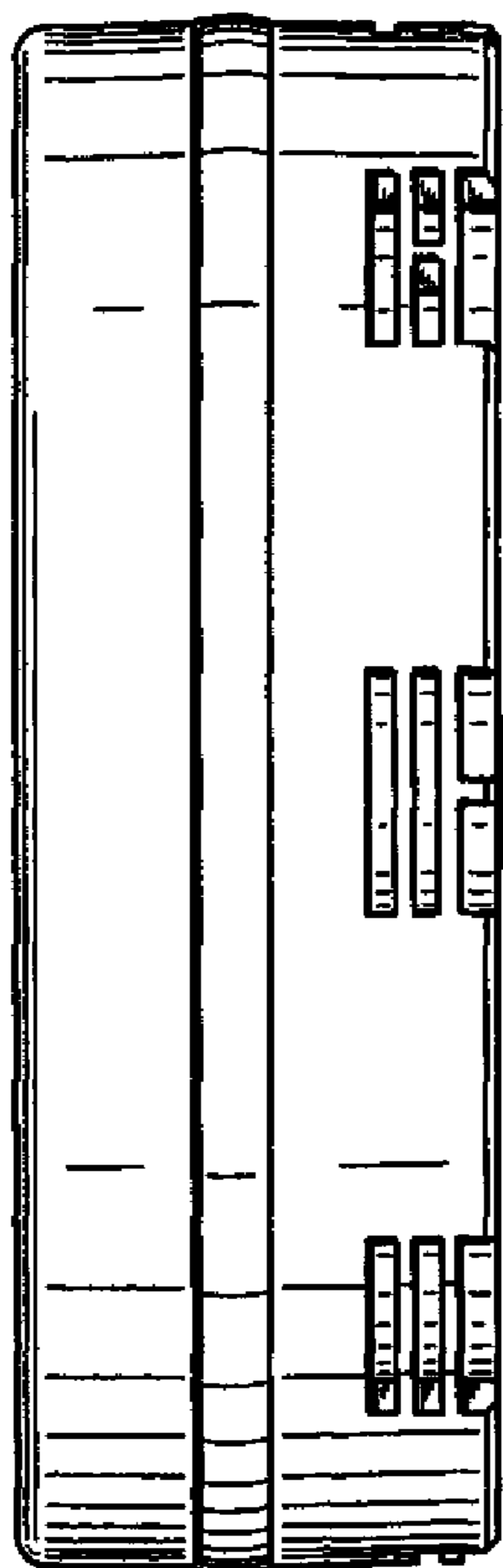


Fig. 3



Fig. 4

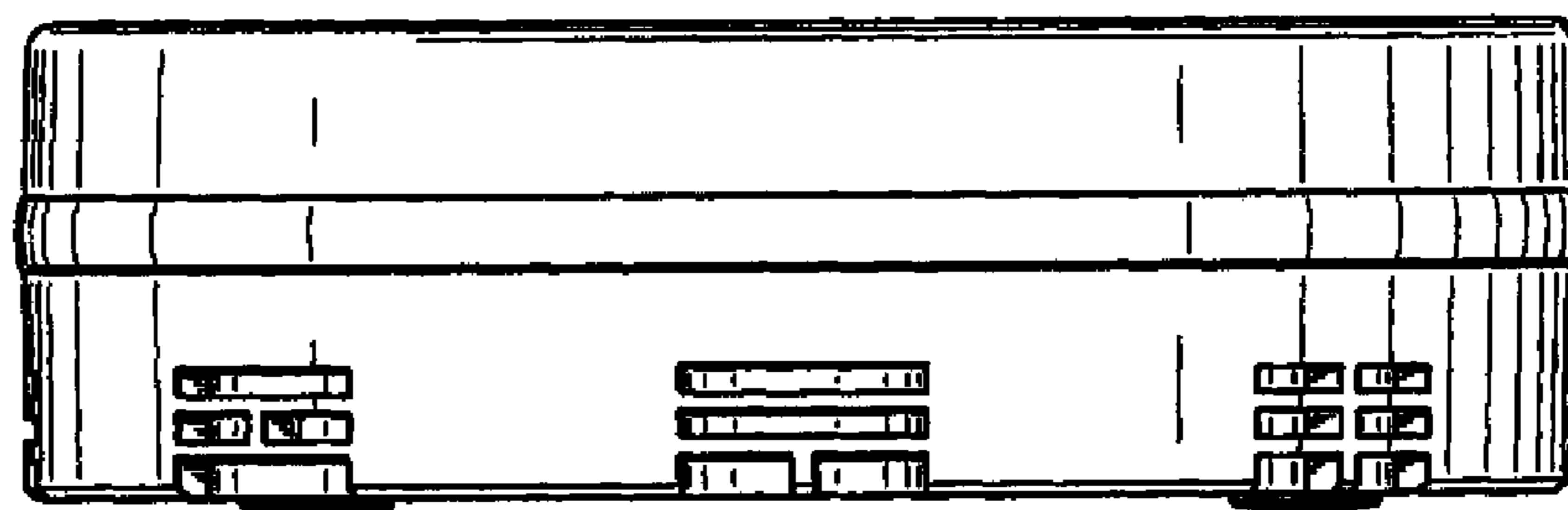


Fig. 5

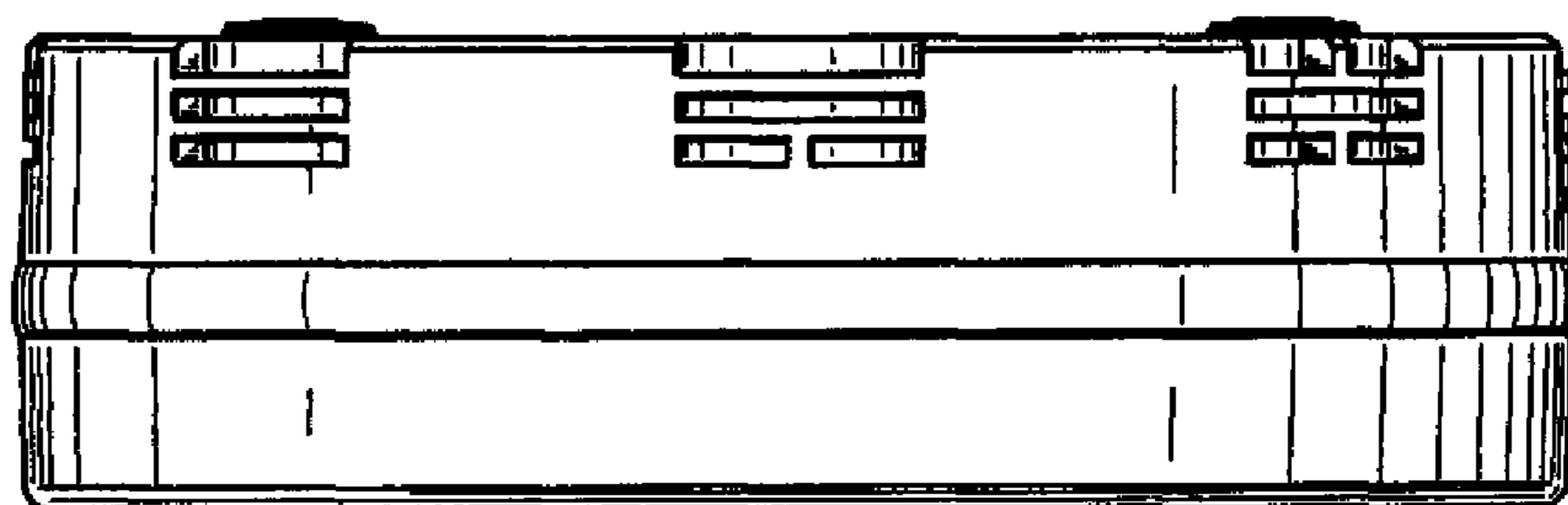


Fig. 6



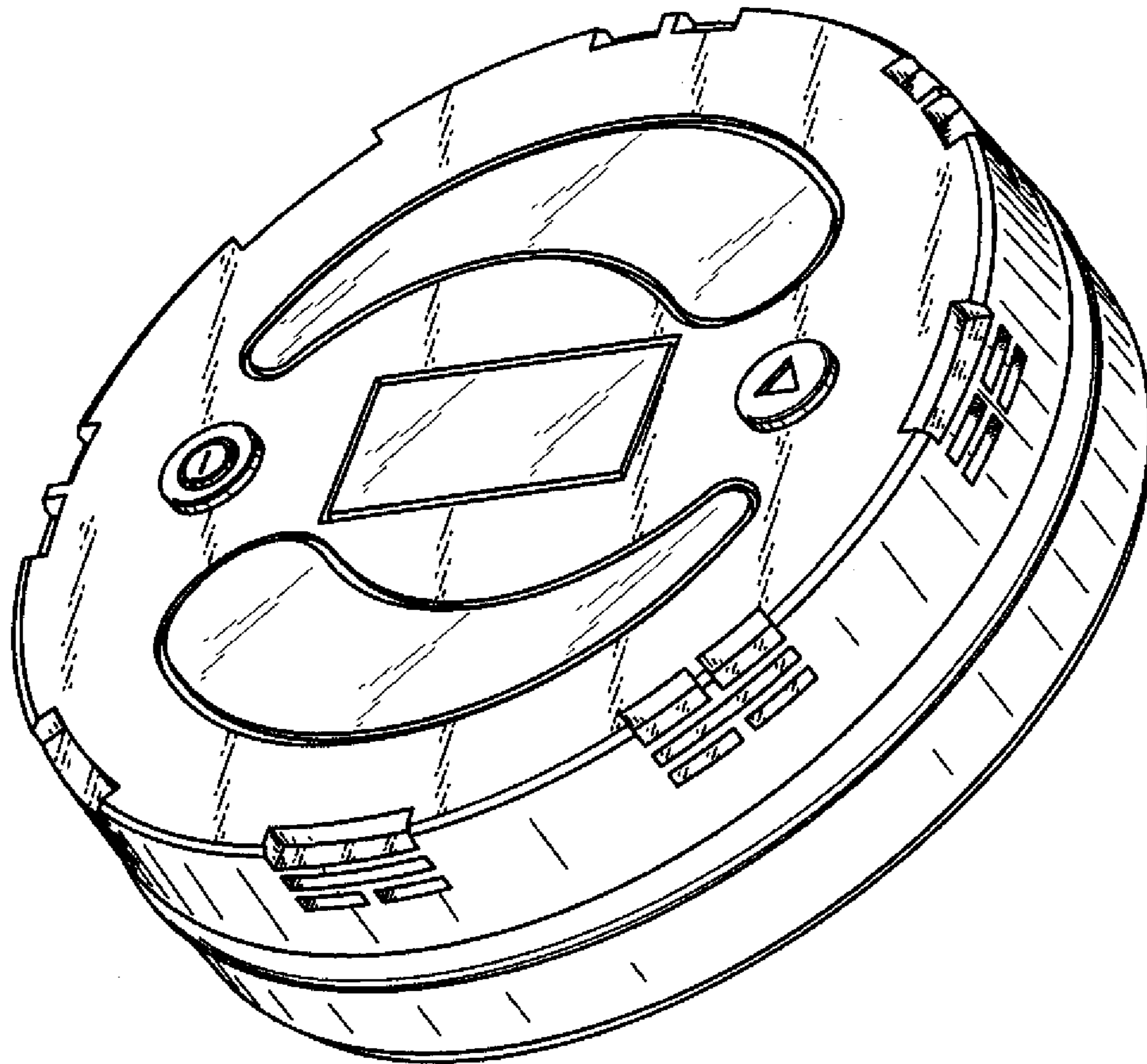


Fig. 7