



US00D791089S

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

(10) **Patent No.:** **US D791,089 S**
(45) **Date of Patent:** **** Jul. 4, 2017**

(54) **LIGHT-EMITTING DIODE**

(71) Applicants: **CITIZEN ELECTRONICS CO., LTD.**, Yamanashi-ken (JP); **CITIZEN WATCH CO., LTD.**, Tokyo (JP)

(72) Inventors: **Satoshi Goto**, Yamanashi-ken (JP); **Tatsuro Yamada**, Yamanashi-ken (JP)

(73) Assignees: **CITIZEN ELECTRONICS CO., LTD.**, Yamanashi-Ken (JP); **CITIZEN WATCH CO., LTD.**, Tokyo (JP)

(**) Term: **15 Years**

(21) Appl. No.: **29/561,827**

(22) Filed: **Apr. 20, 2016**

(30) **Foreign Application Priority Data**

Oct. 23, 2015 (JP) D2015-023531
Oct. 23, 2015 (JP) D2015-023543

(51) **LOC (10) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/180**

(58) **Field of Classification Search**
USPC D13/180; D26/1
CPC ... H01L 25/167; H01L 25/0753; H01L 27/15;
H01L 27/156; H01L 31/02; H01L 33/00;
H01L 33/04; H01L 33/08; H01L 33/10;
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Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Wenderoth, Lind & Ponack, L.L.P.

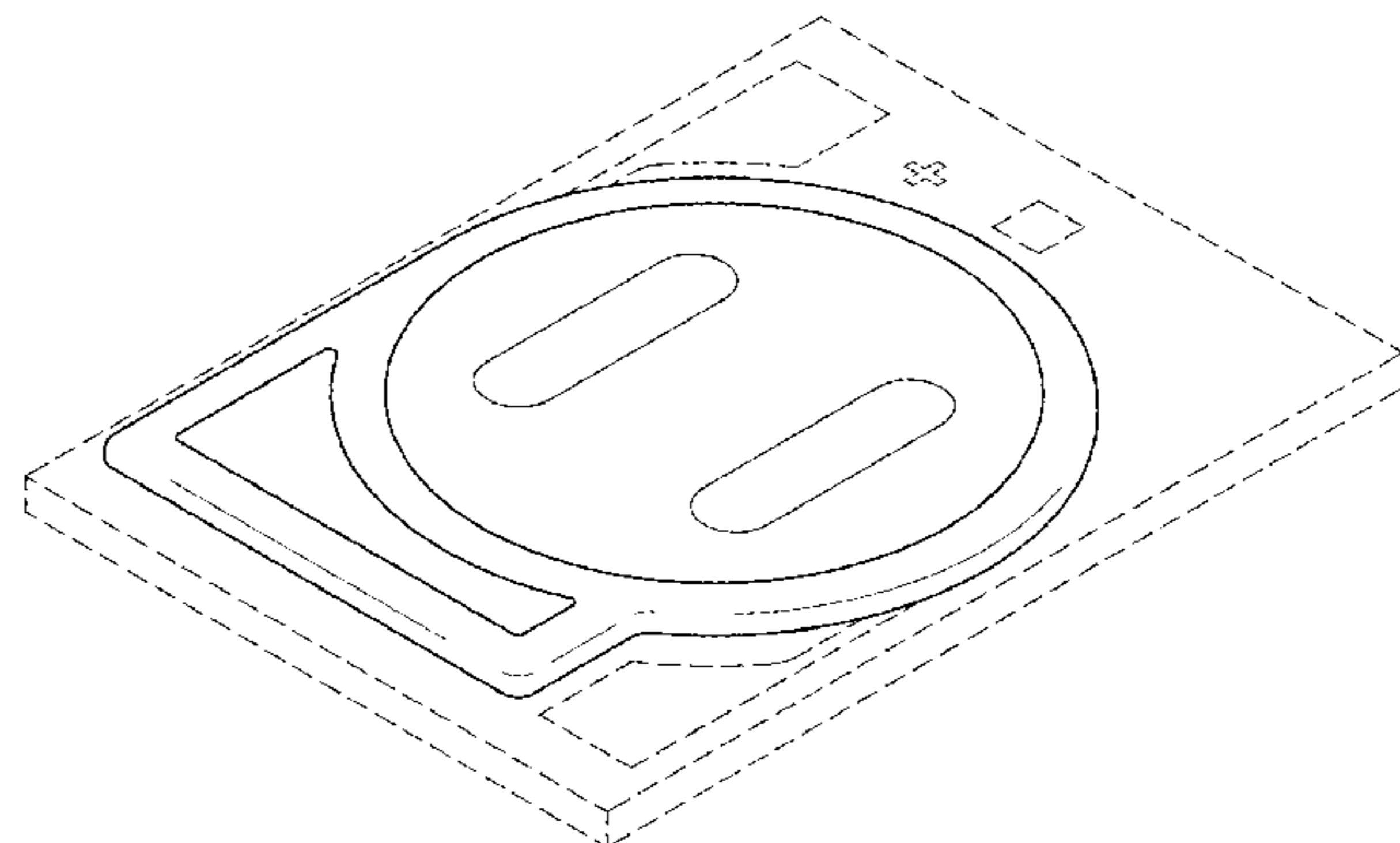
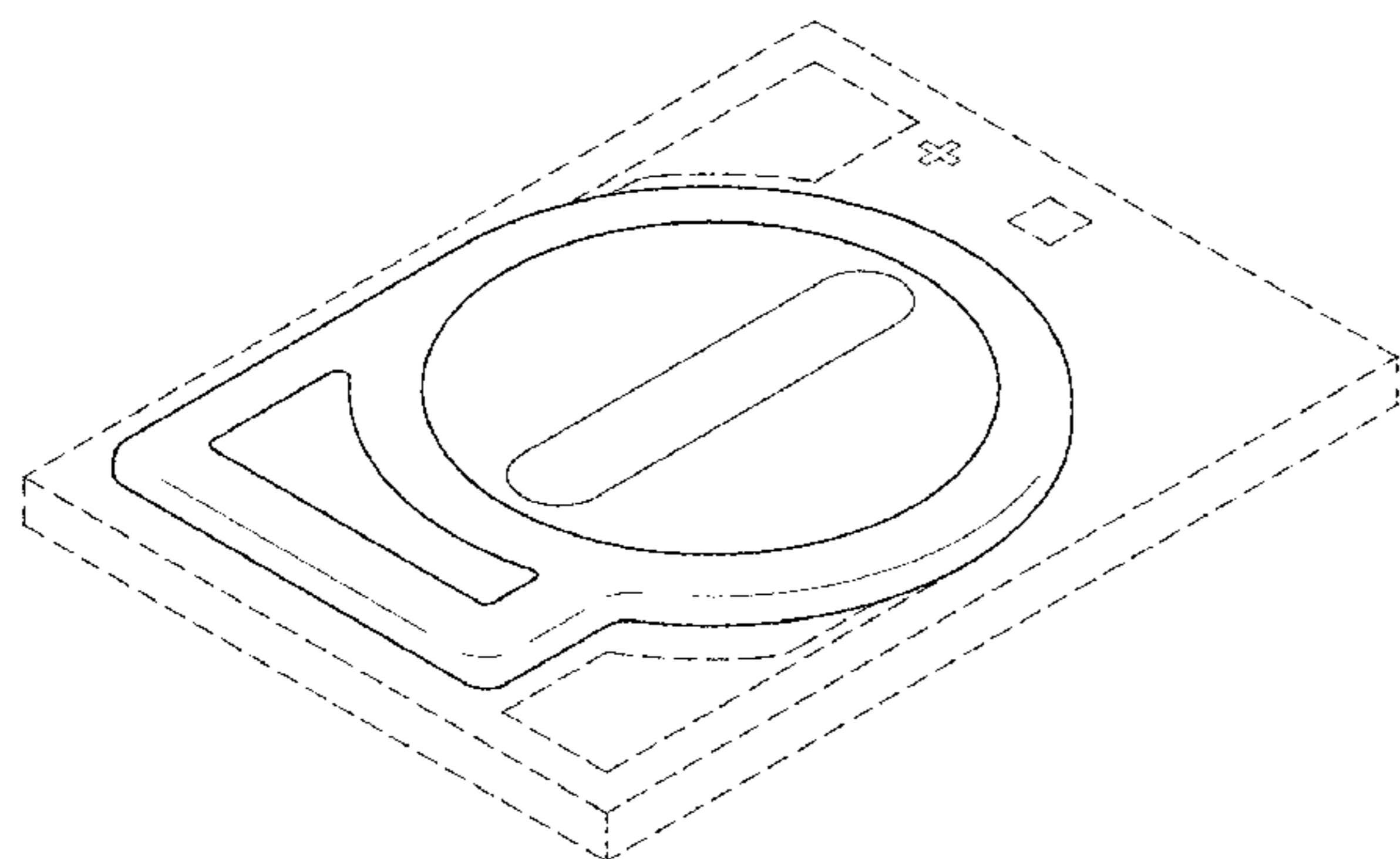
(57) **CLAIM**

The ornamental design for a light-emitting diode, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a first embodiment of a light-emitting diode showing an upper surface with front and left side surfaces;
FIG. 2 is a bottom perspective view thereof showing a bottom surface with rear and right side surfaces;
FIG. 3 is a front view thereof, a rear view being a mirror image of FIG. 3;
FIG. 4 is a top plan view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a top perspective view of a second embodiment of a light-emitting diode showing an upper surface with front and left side surfaces;
FIG. 9 is a bottom perspective view thereof showing a bottom surface with rear and right side surfaces;
FIG. 10 is a front view thereof, a rear view being a mirror image of FIG. 10;
FIG. 11 is a top plan view thereof;
FIG. 12 is a bottom plan view thereof;
FIG. 13 is a left side view thereof; and,
FIG. 14 is a right side view thereof.
The broken lines shown herein are for illustrative purposes only and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



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(58) **Field of Classification Search**

CPC H01L 33/20; H01L 33/38; H01L 33/42;
H01L 33/4862; H01L 33/483; H01L
33/486

See application file for complete search history.

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Fig. 1

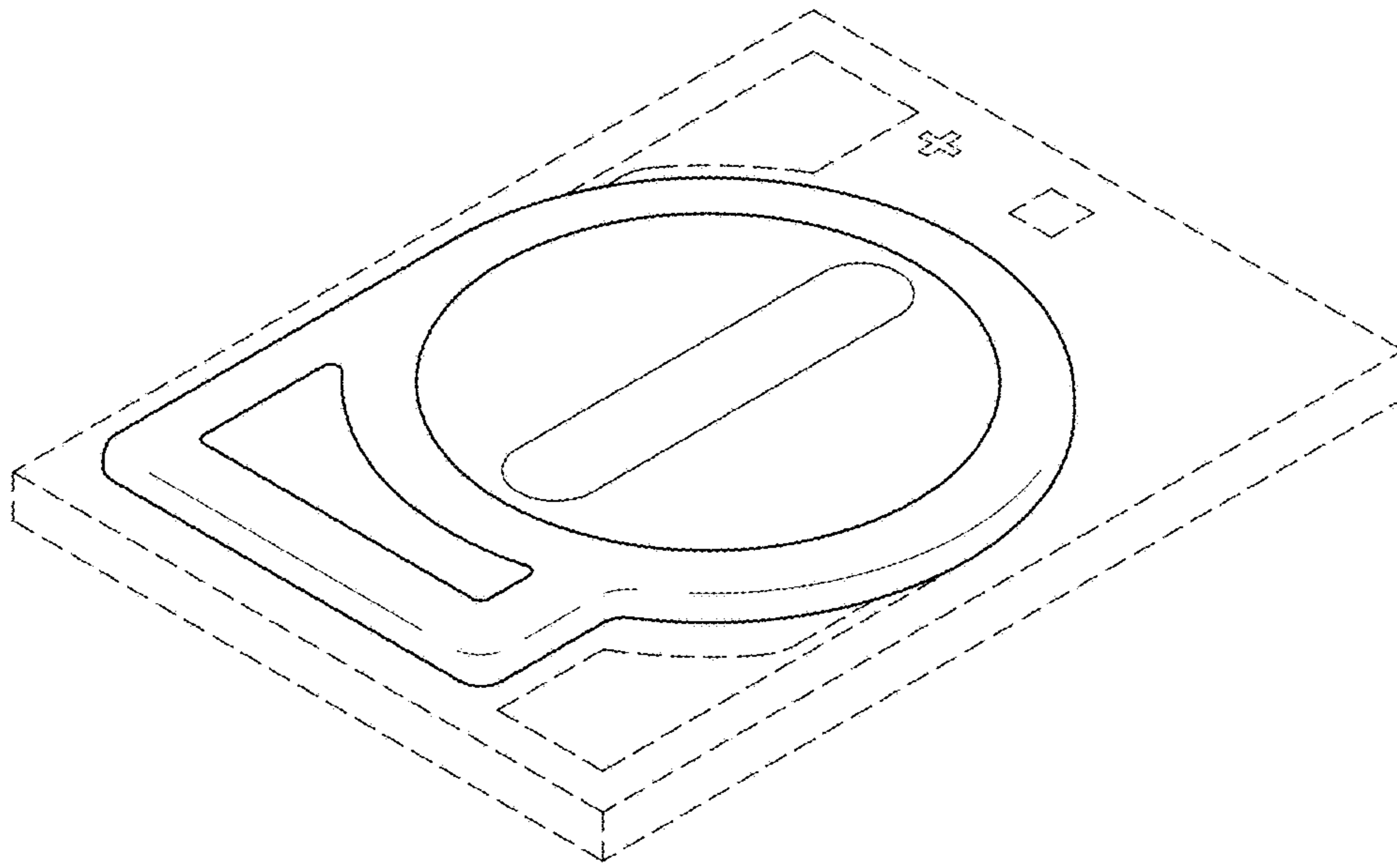


Fig. 2

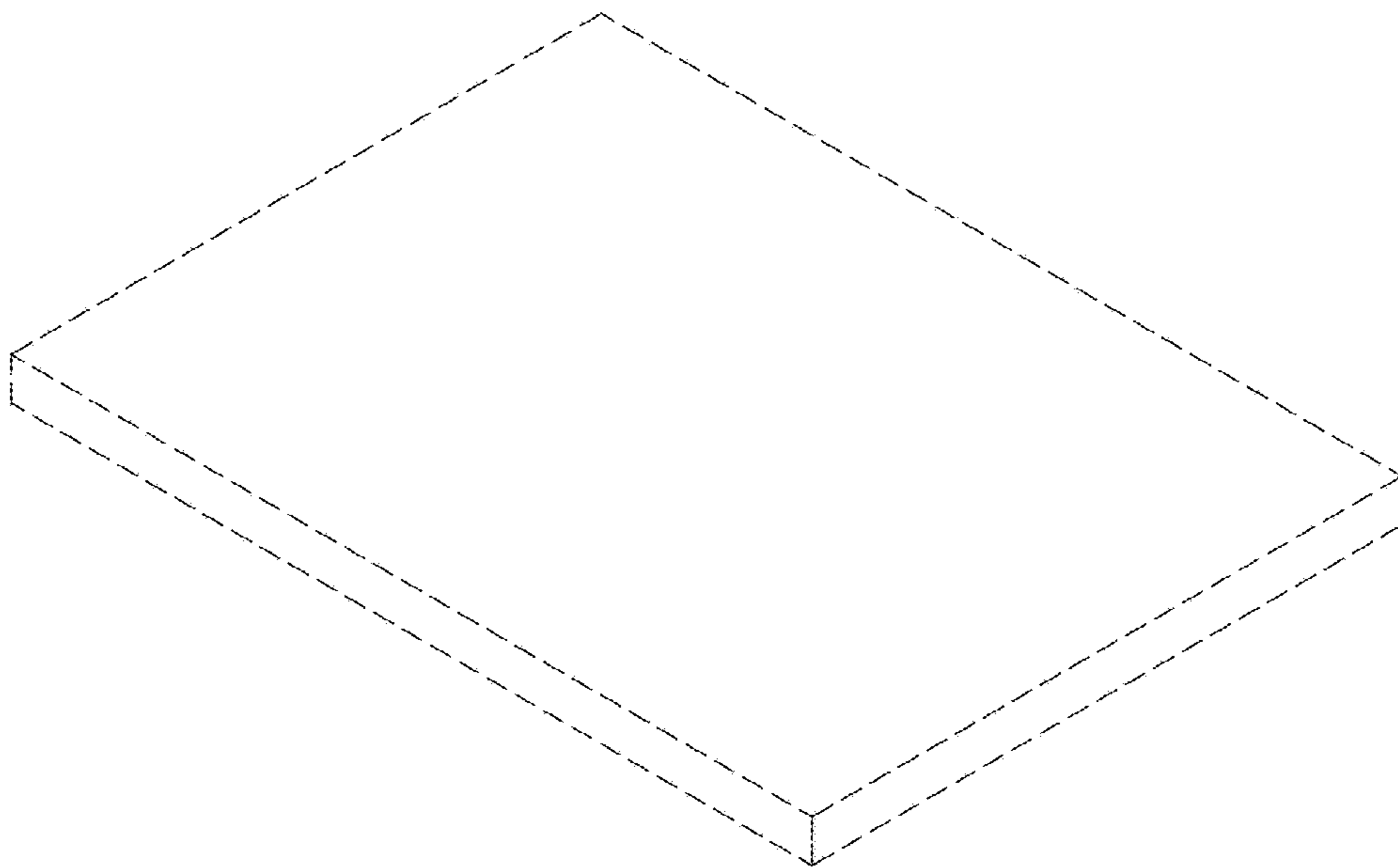


Fig. 3

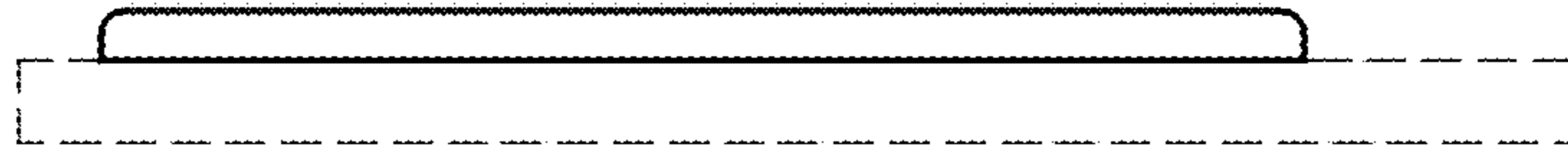


Fig. 4

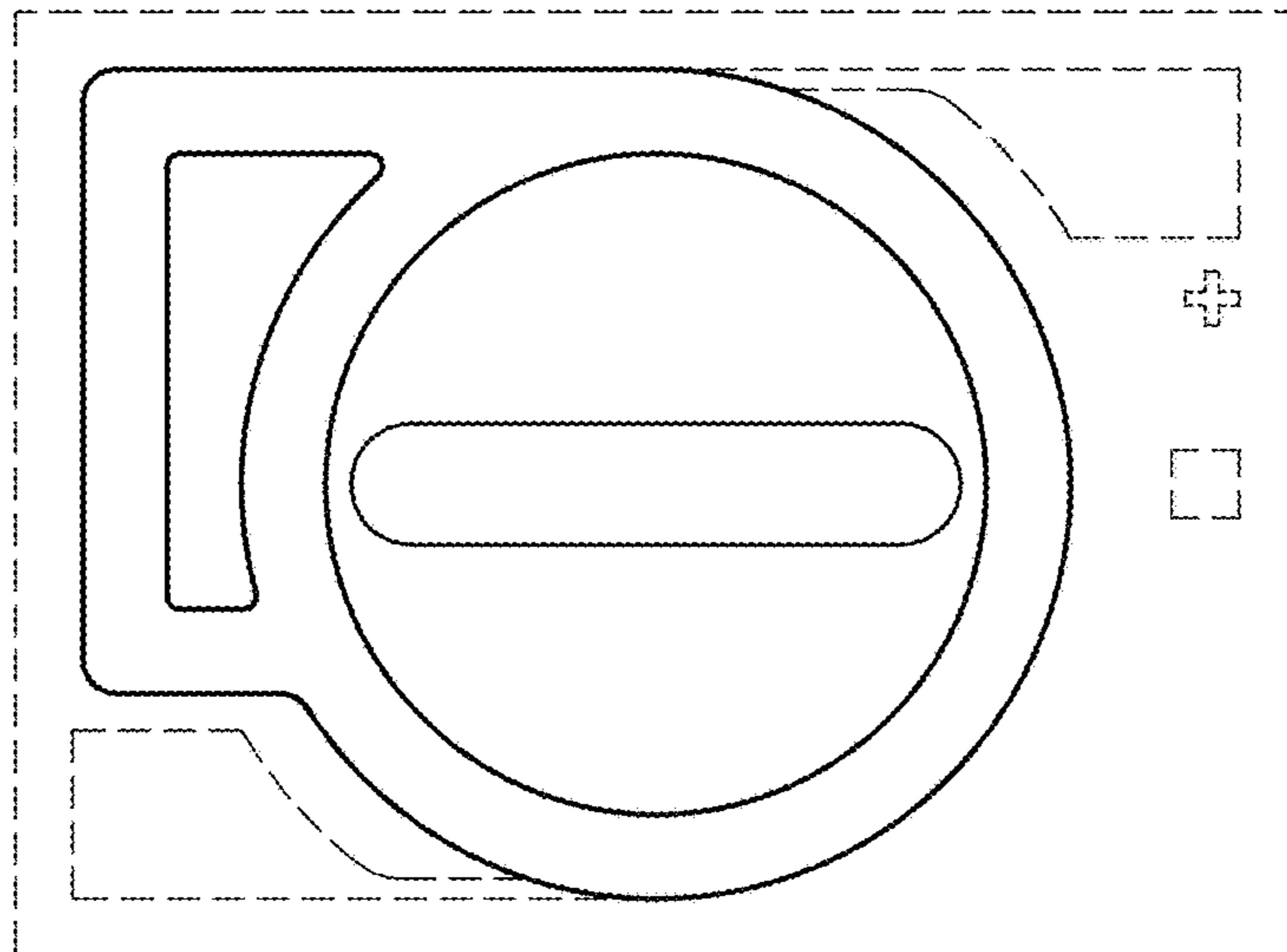


Fig. 5



Fig. 6

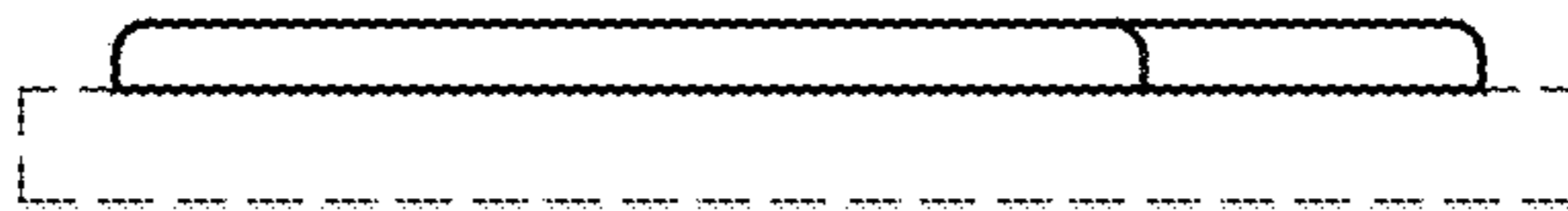


Fig. 7

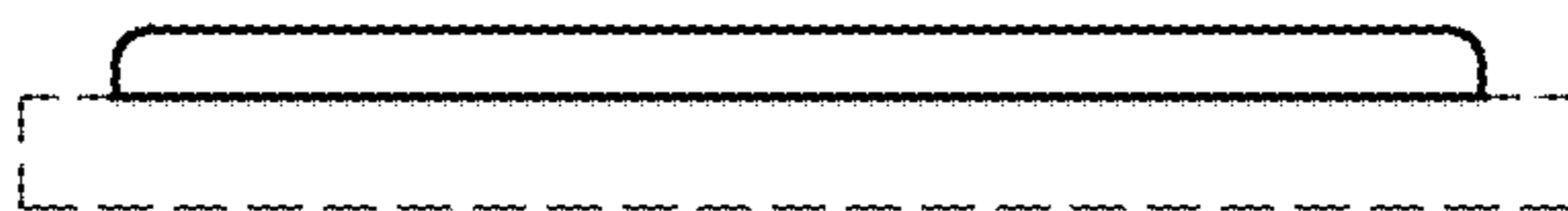


Fig. 8

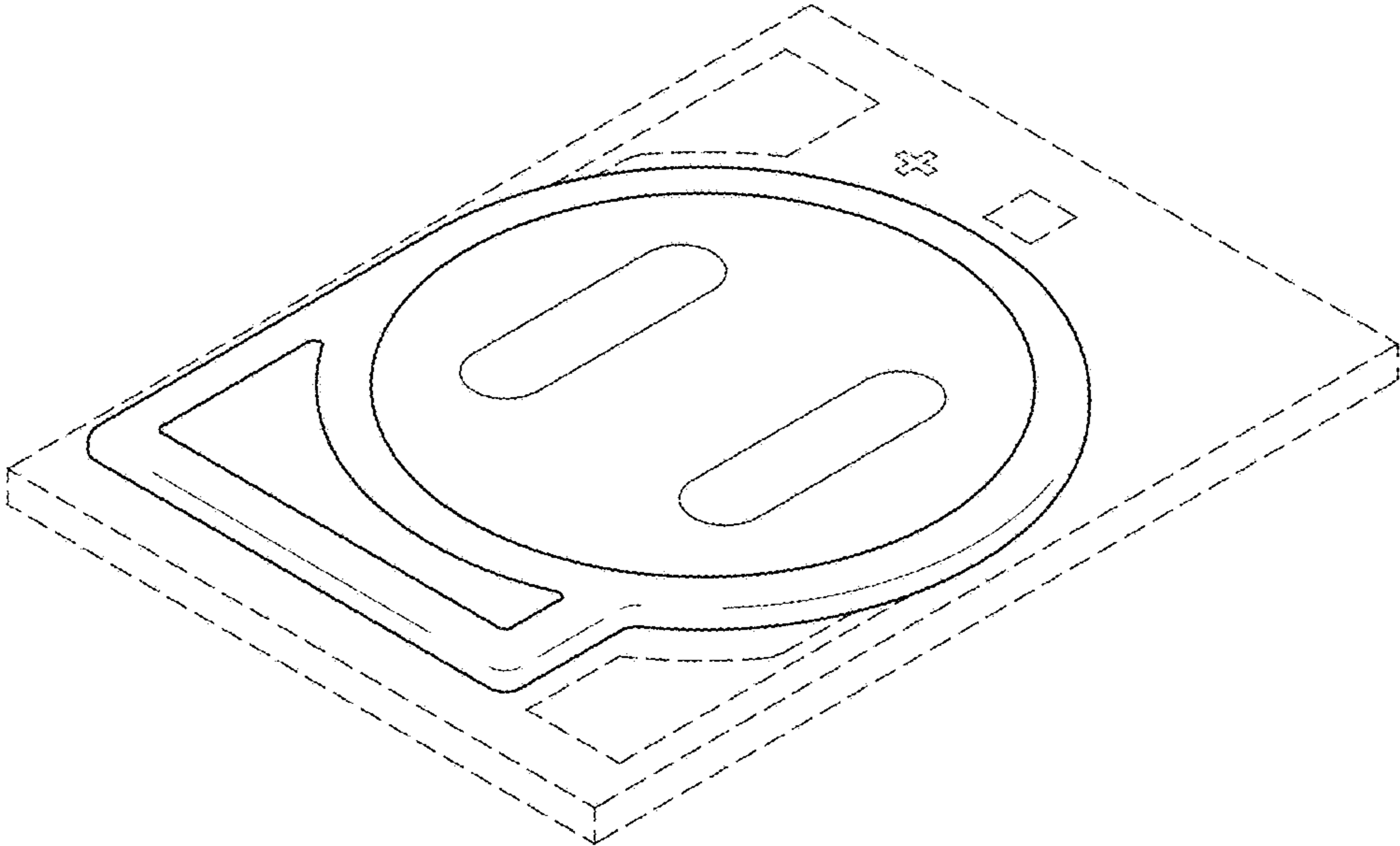


Fig. 9

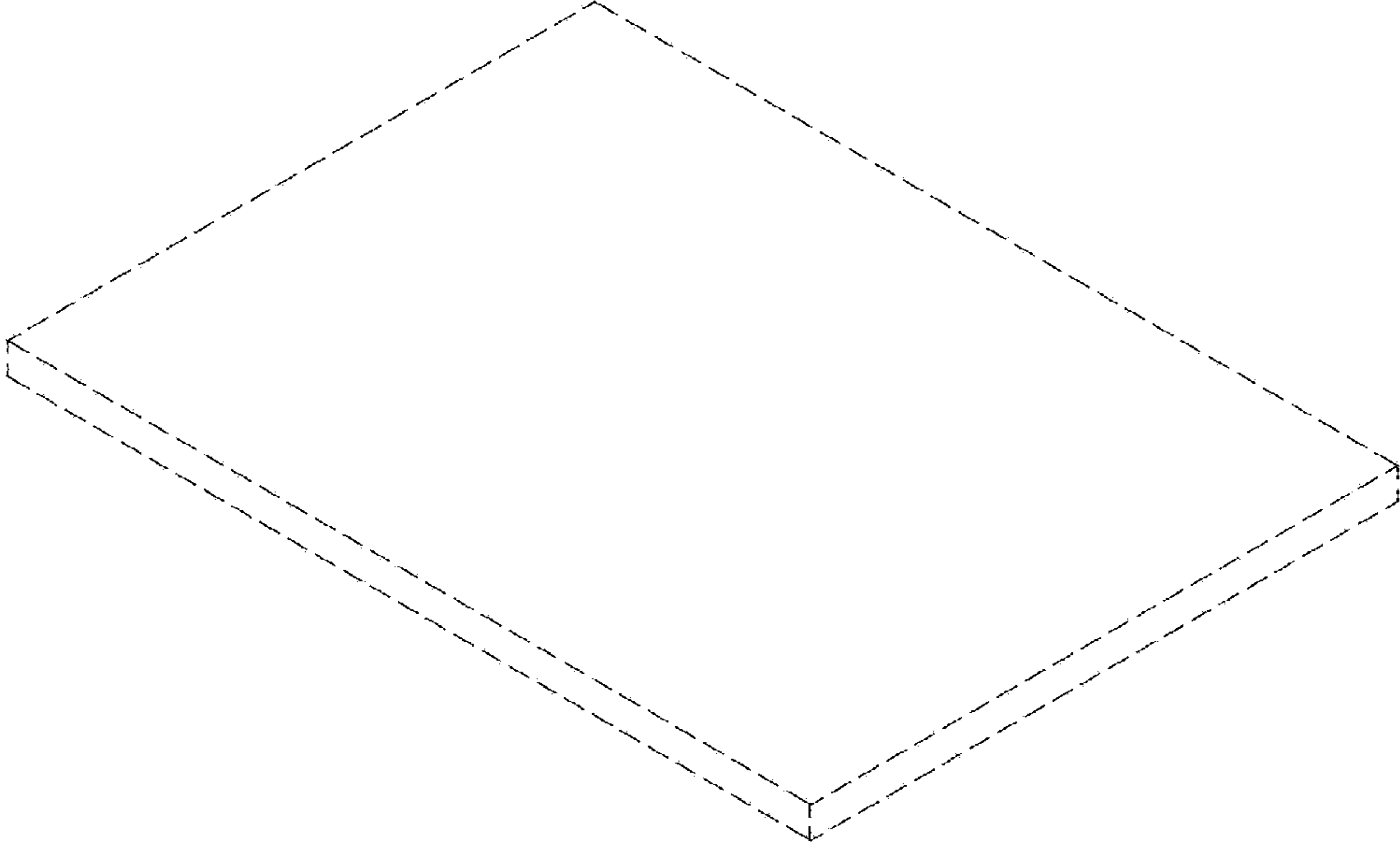


Fig. 10



Fig. 11

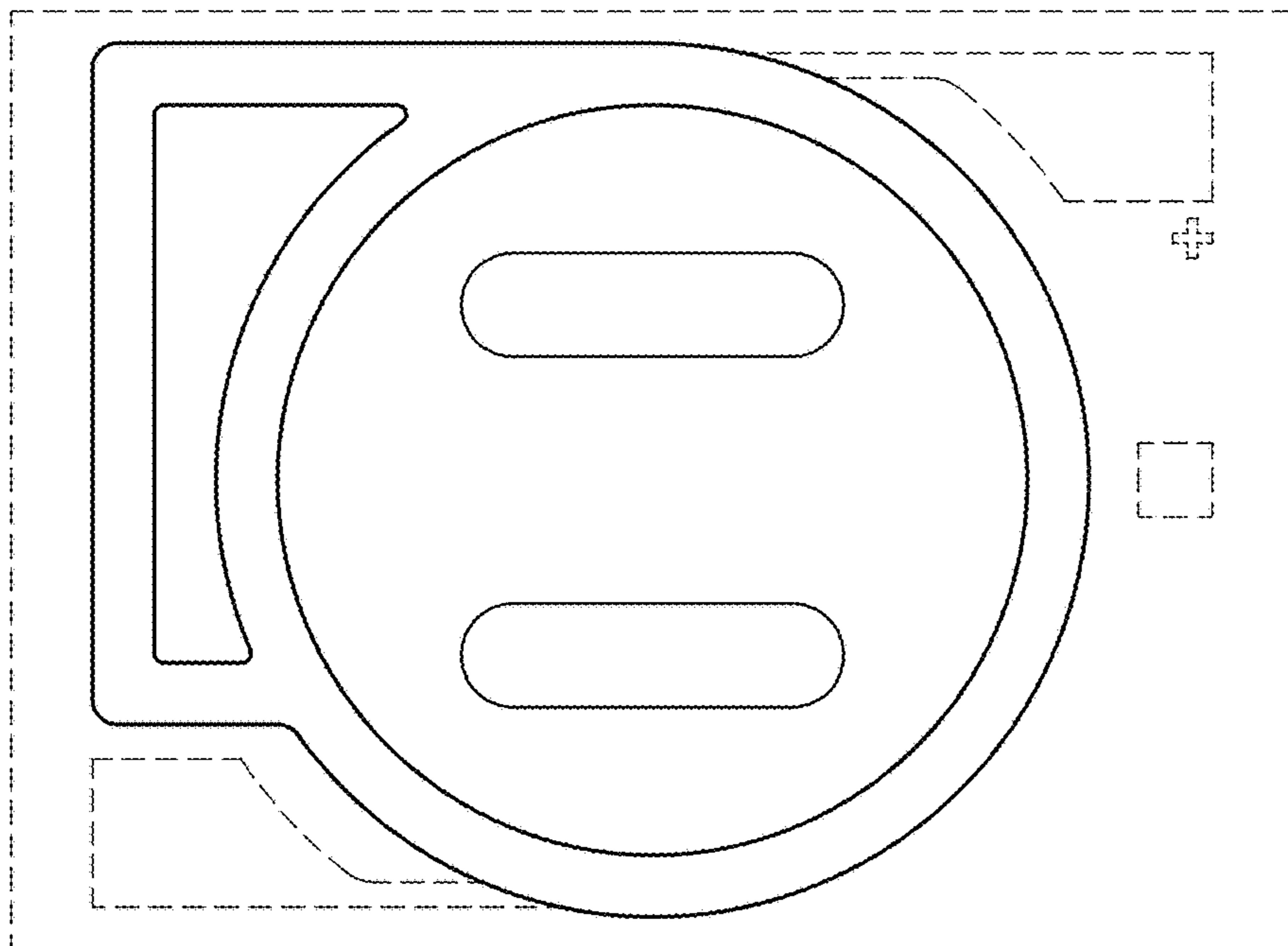


Fig. 12



Fig. 13

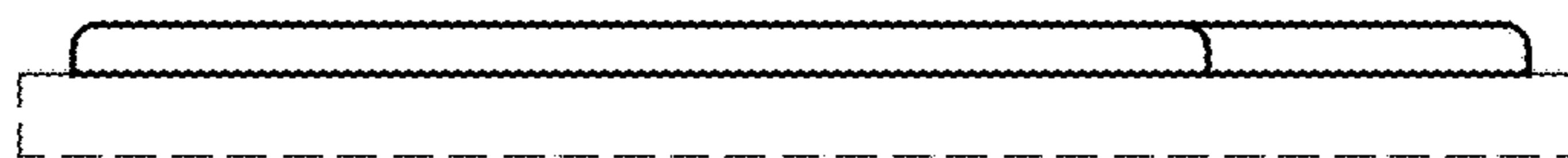


Fig. 14



UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D791,089 S
APPLICATION NO. : 29/561827
DATED : July 4, 2017
INVENTOR(S) : Satoshi Goto

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

On the Title Page

In Item (73) Assignee, please change "CITIZEN WATCH CO., LTD" to --CITIZEN WATCH CO., LTD.--.

Signed and Sealed this
Twelfth Day of December, 2017



Joseph Matal

*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office*