US00D661262S

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

(10) **Patent No.: US D661,262 S**
(45) **Date of Patent: ** Jun. 5, 2012**

(54) **LIGHT EMITTING DIODE**

(75) Inventors: **Takayuki Igarashi**, Yokohama (JP); **Ryo Oishi**, Hamamatsu (JP); **Toshimasa Takao**, Tokushima (JP); **Tetsuya Yagi**, Anan (JP)

(73) Assignee: **Nichia Corporation** (JP)

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

(21) Appl. No.: **29/360,431**

(22) Filed: **Apr. 26, 2010**

(30) **Foreign Application Priority Data**

Oct. 26, 2009	(JP)	2009-024957
Oct. 26, 2009	(JP)	2009-024958
Oct. 26, 2009	(JP)	2009-024959
Oct. 26, 2009	(JP)	2009-024960
Oct. 26, 2009	(JP)	2009-024961

(51) **LOC (9) Cl.** **13-03**

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

(58) **Field of Classification Search** D13/180; D26/1, 2; 257/79, 80, 81, 88, 89, 95, 98, 257/99, 100, E33.058; 313/483, 498, 500; 362/555, 800
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D439,351 S *	3/2001	Kiba et al.	D26/37
6,483,623 B1 *	11/2002	Maruyama	398/182

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2000-183405	6/2000

(Continued)

OTHER PUBLICATIONS

2009 Nichia LED Catalogue, Mar. 2009, pp. 56, 57, 98, 99 (http://www.nichia.co.jp).

Primary Examiner — Selina Sikder
(74) *Attorney, Agent, or Firm* — SAIDMAN DesignLaw Group

(57) **CLAIM**

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

DESCRIPTION

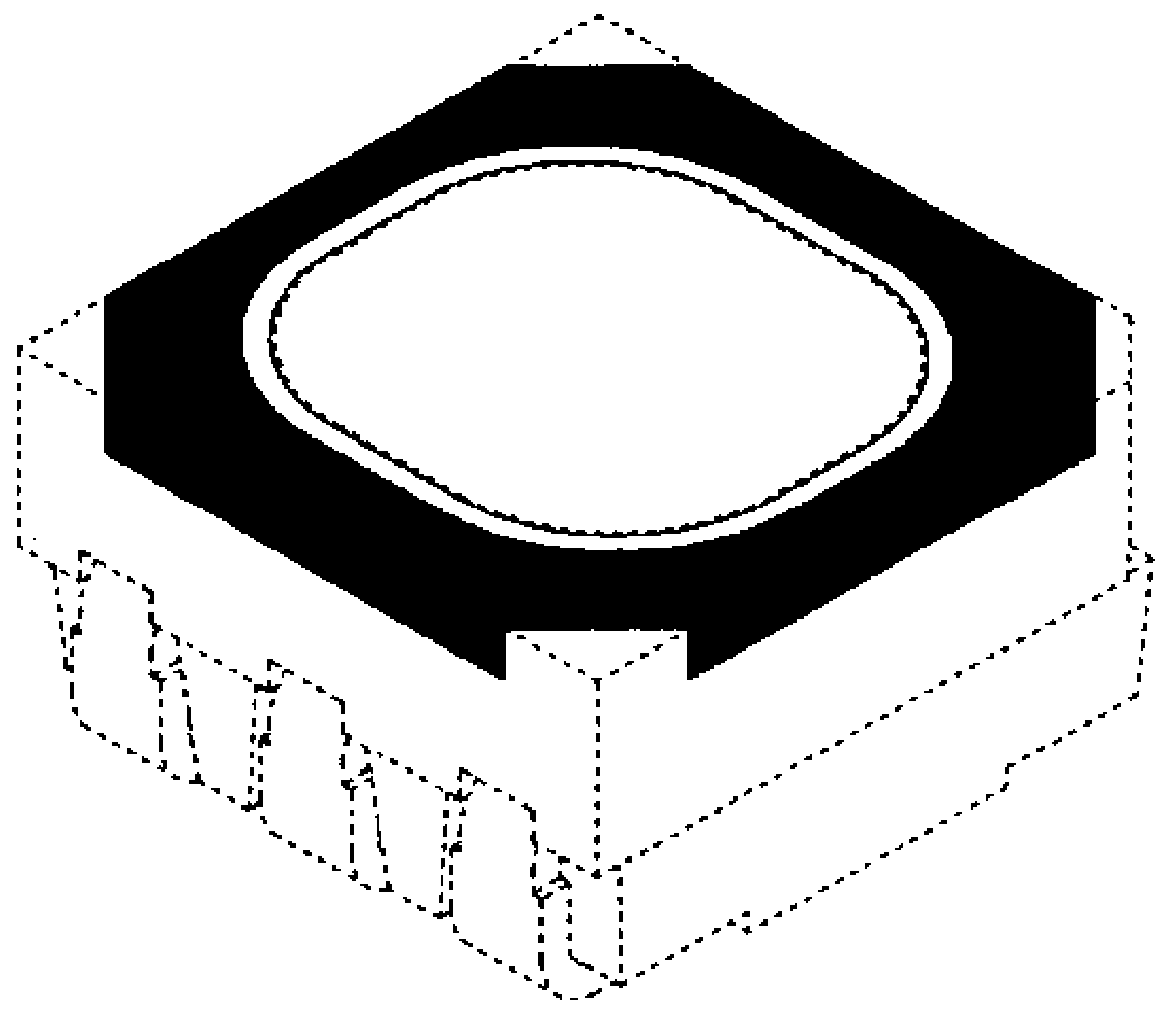
FIG. **1** is a front, top, right side perspective view of a first embodiment of a light emitting diode showing our new design;
FIG. **2** is a front elevational view thereof;
FIG. **3** is a rear elevational view thereof;
FIG. **4** is a top plan view thereof;
FIG. **5** a bottom plan view thereof;
FIG. **6** is a right side elevational view thereof;
FIG. **7** a left side elevational view thereof;
FIG. **8** is a front, top, right side perspective view of a second embodiment thereof;
FIG. **9** is a front elevational view thereof;
FIG. **10** is a rear elevational view thereof;
FIG. **11** is a top plan view thereof;
FIG. **12** is a bottom plan view thereof;
FIG. **13** is a right side elevational view thereof;
FIG. **14** is a left side elevational view thereof;
FIG. **15** is a front, top, right side perspective view of a third embodiment thereof;
FIG. **16** is a front elevational view thereof;
FIG. **17** is a rear elevational view thereof;
FIG. **18** is a top plan view thereof;
FIG. **19** is a bottom plan view thereof;
FIG. **20** is a right side elevational view thereof; and,
FIG. **21** is a left side elevational view thereof.

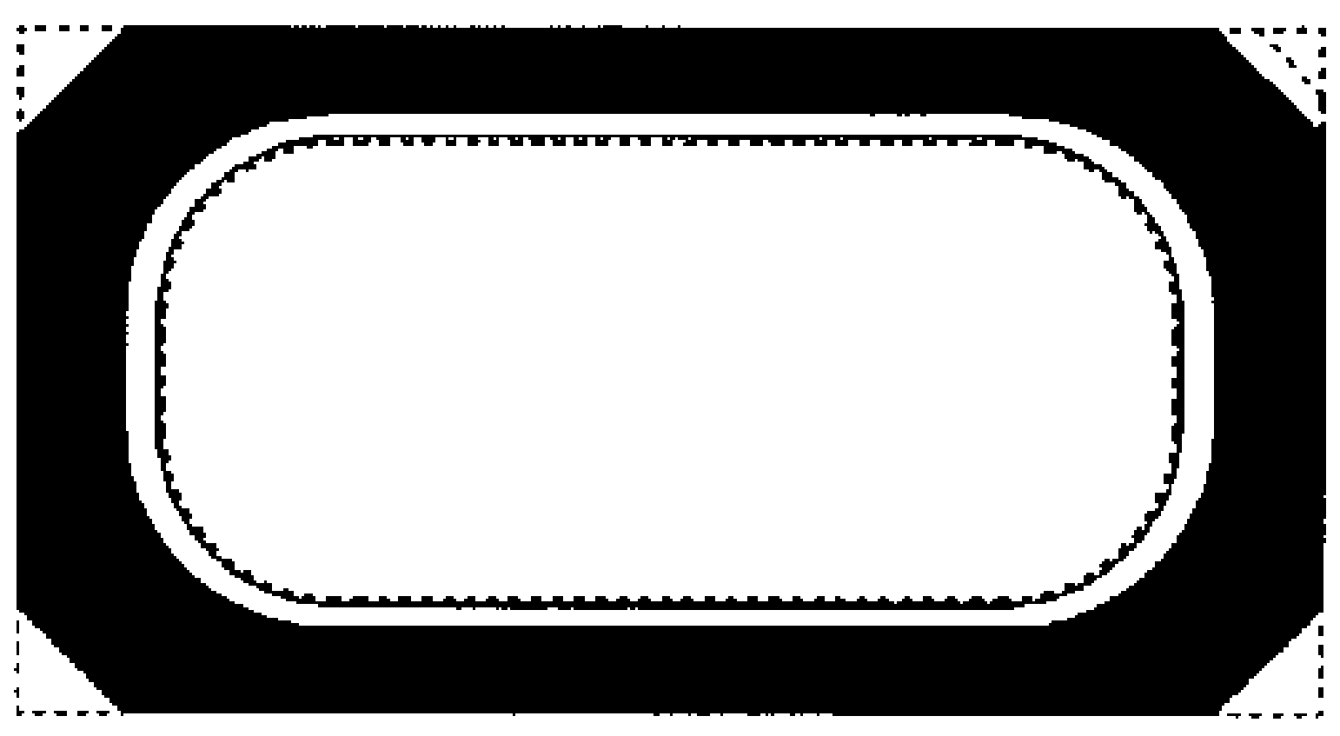
The portions shown in black indicate the color black. The thin rectangular, square and oval portions surrounding the center top unclaimed windows in FIGS. **1**, **4**, **8**, **11**, **15** and **18**, indicate the color white.

The thin white portions of all embodiments are substantially planar and flush with the surrounding black body portions.

The broken lines are for the purpose of illustrating portions of the light emitting diode and form no part of the claimed design. The unshaded window portions inside the broken lines that are adjacent the thin, white rectangular, square and oval portions in FIGS. **1**, **4**, **8**, **11**, **15** and **18** are not part of the claimed design.

1 Claim, 3 Drawing Sheets





U.S. PATENT DOCUMENTS

D471,166	S	*	3/2003	Oshio et al.	D13/182
6,707,069	B2	*	3/2004	Song et al.	257/79
D491,899	S	*	6/2004	Yagi	D13/180
D494,550	S		8/2004	Hoshiba	
D495,304	S	*	8/2004	Kim et al.	D13/180
D505,396	S	*	5/2005	Hoshiba	D13/180
D511,329	S	*	11/2005	Suenaga	D13/180
D522,468	S	*	6/2006	Song	D13/180
D535,263	S	*	1/2007	Sumitani	D13/180
D578,083	S	*	10/2008	Shimonishi et al.	D13/180
D584,246	S	*	1/2009	Low et al.	D13/180
D586,302	S	*	2/2009	Kim et al.	D13/180
D608,309	S	*	1/2010	Kim	D13/180
D608,740	S	*	1/2010	Lu et al.	D13/180
D611,012	S	*	3/2010	Hsieh	D13/180
D621,800	S	*	8/2010	Hsieh	D13/180
D621,801	S	*	8/2010	Hsieh	D13/180
D622,682	S	*	8/2010	Park et al.	D13/180
7,815,343	B2	*	10/2010	Nii et al.	362/311.03
D627,312	S	*	11/2010	Lai et al.	D13/180

FOREIGN PATENT DOCUMENTS

JP	2006-130714	5/2006

* cited by examiner

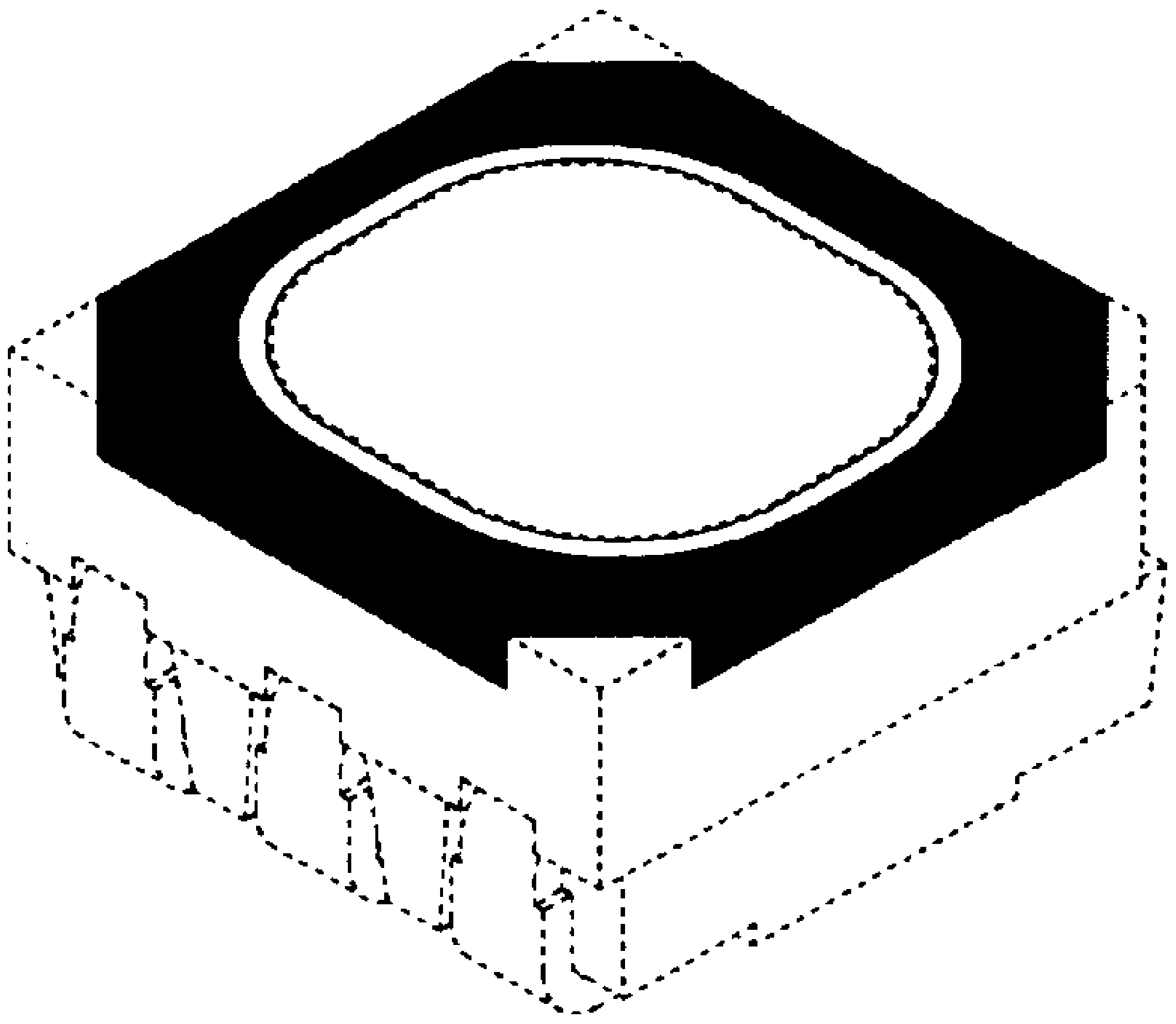


FIG. 1

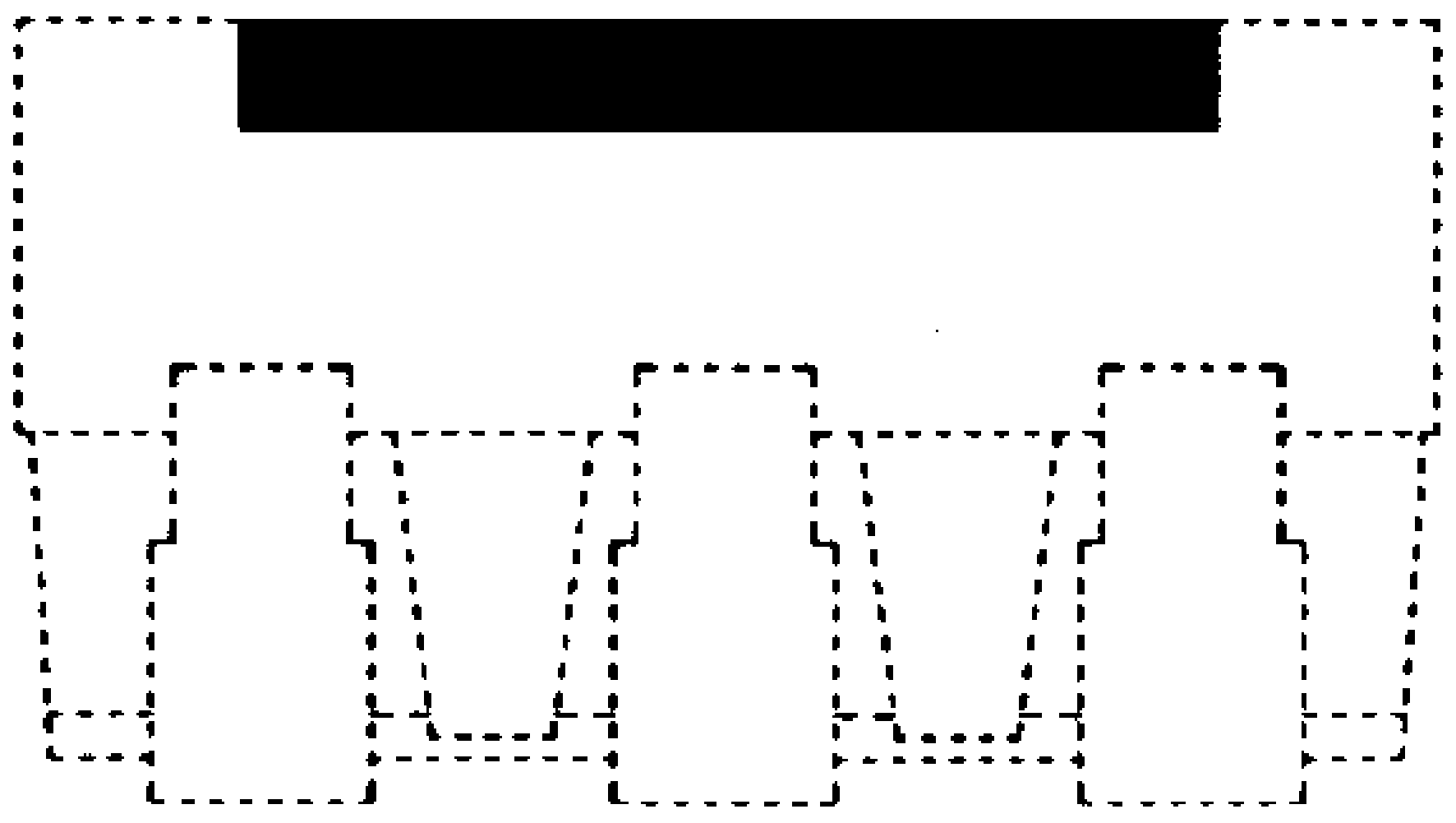


FIG. 2

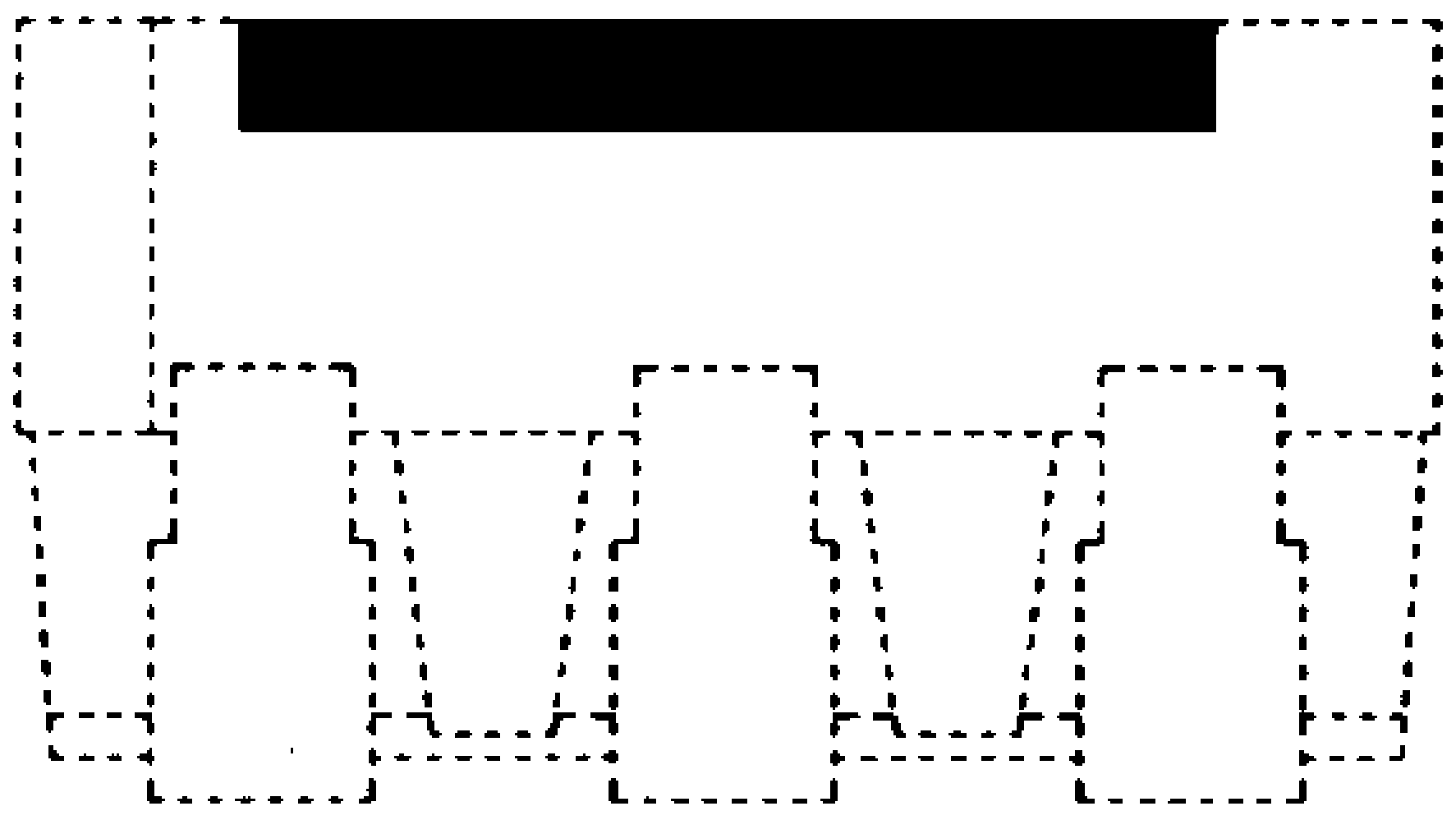


FIG. 3

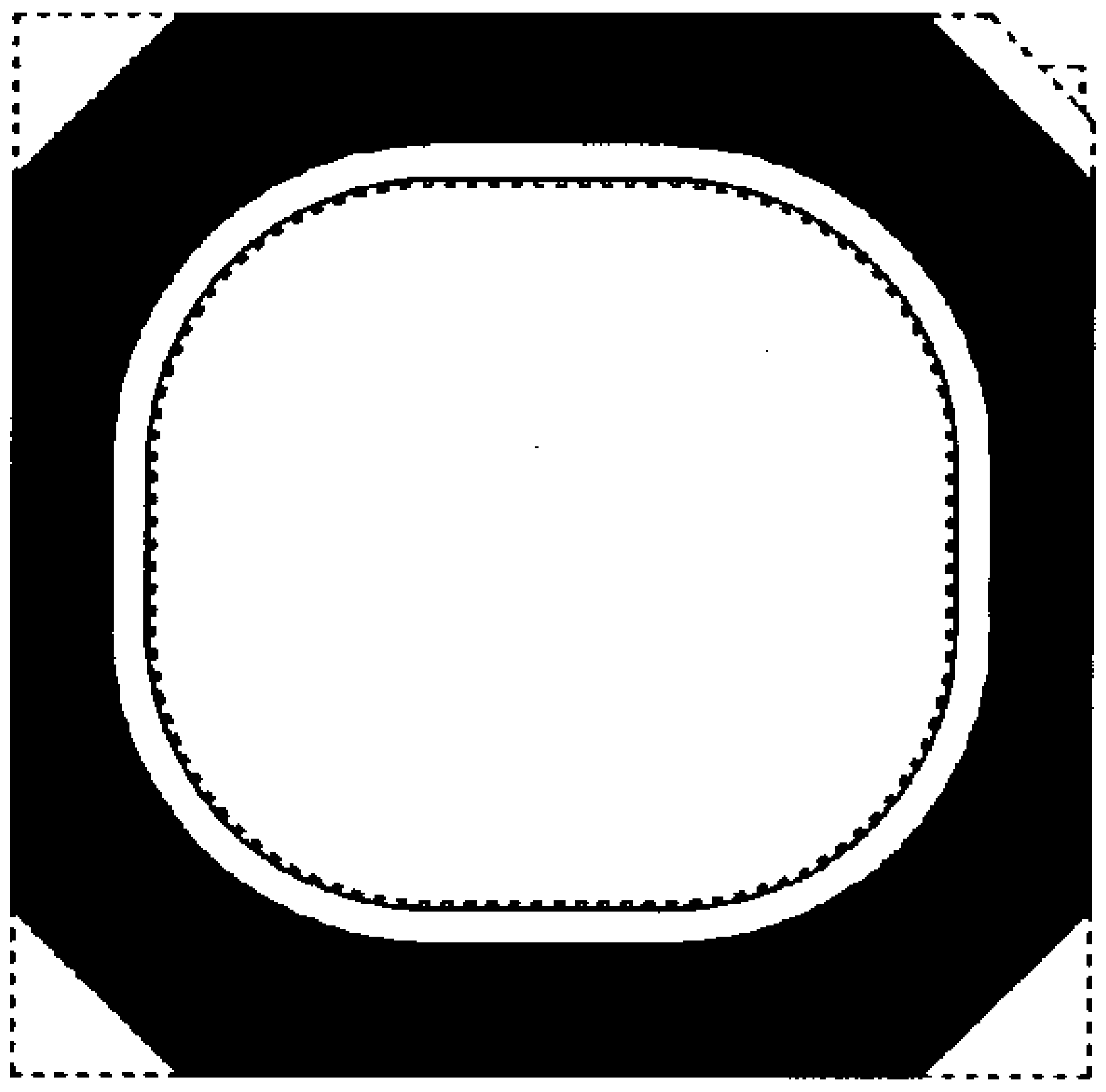


FIG. 4

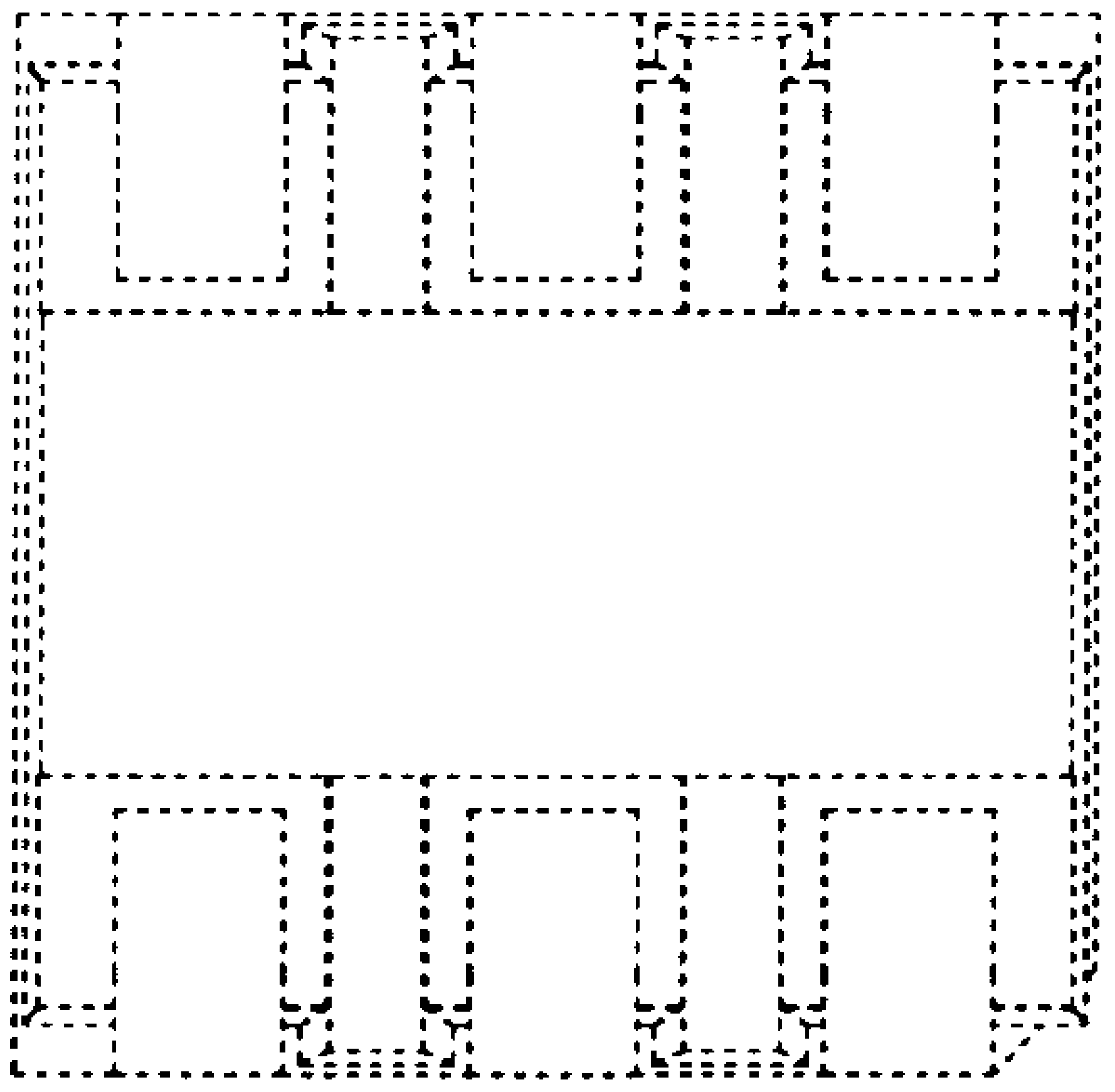


FIG. 5

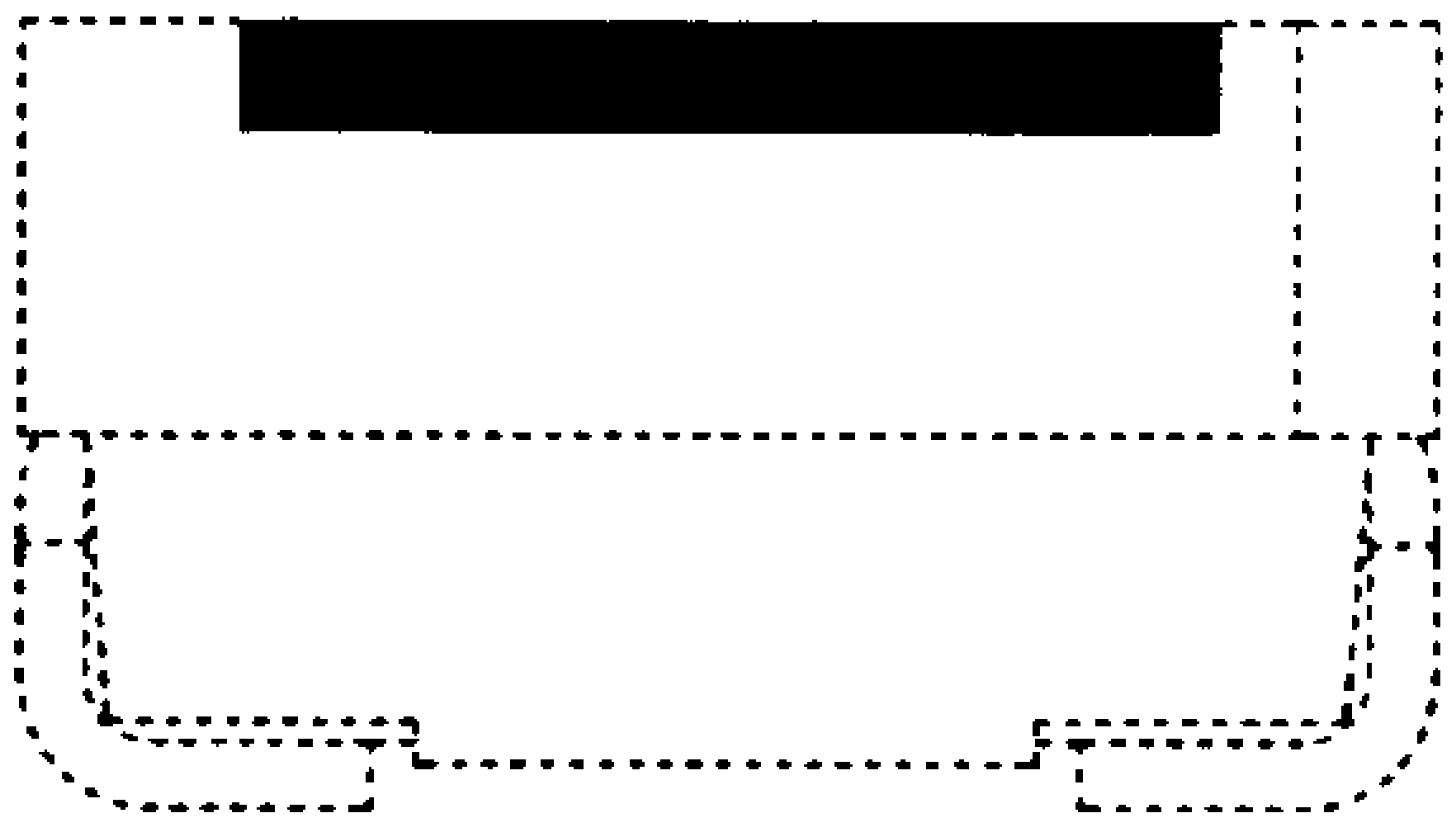


FIG. 6

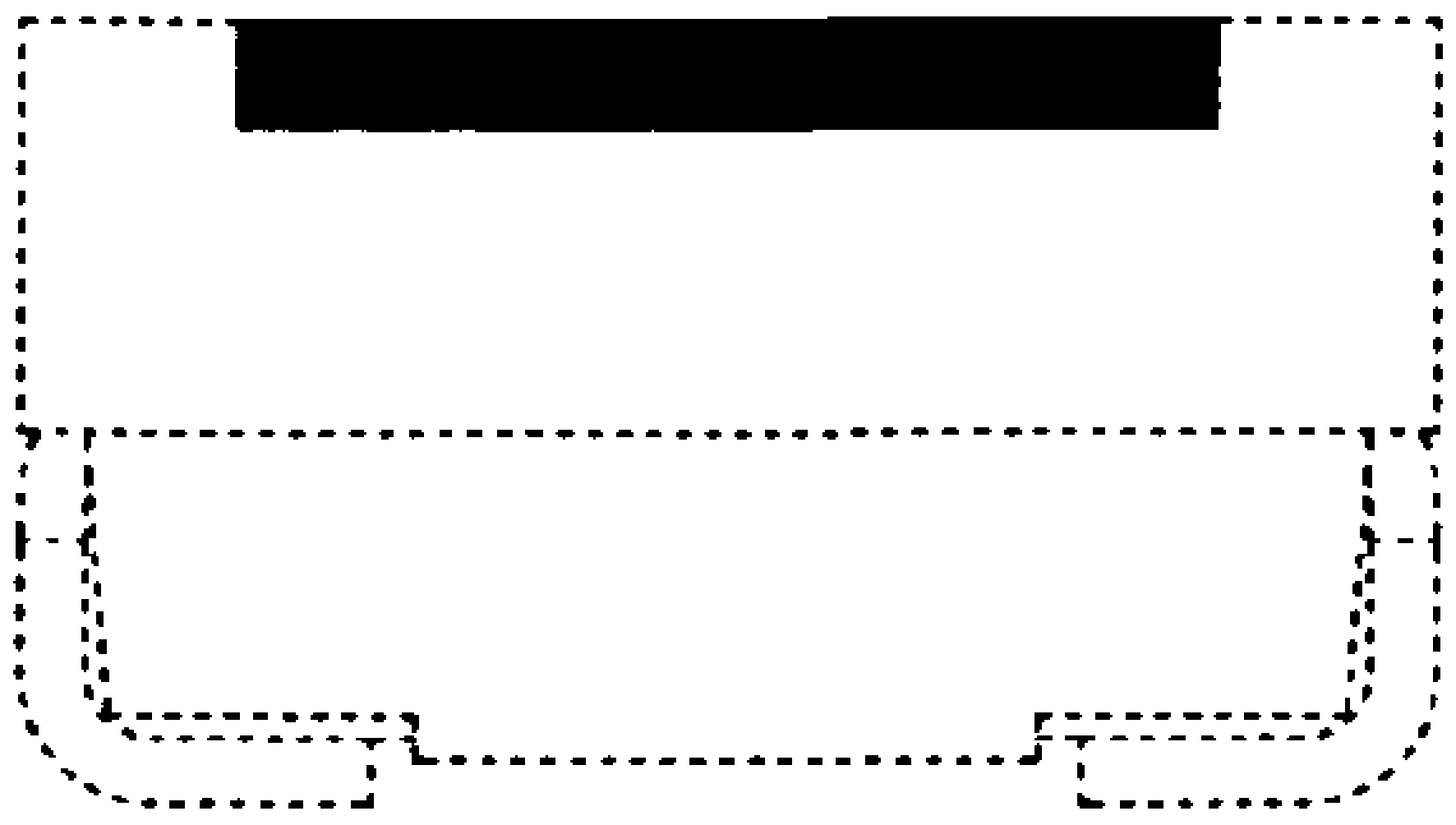


FIG. 7

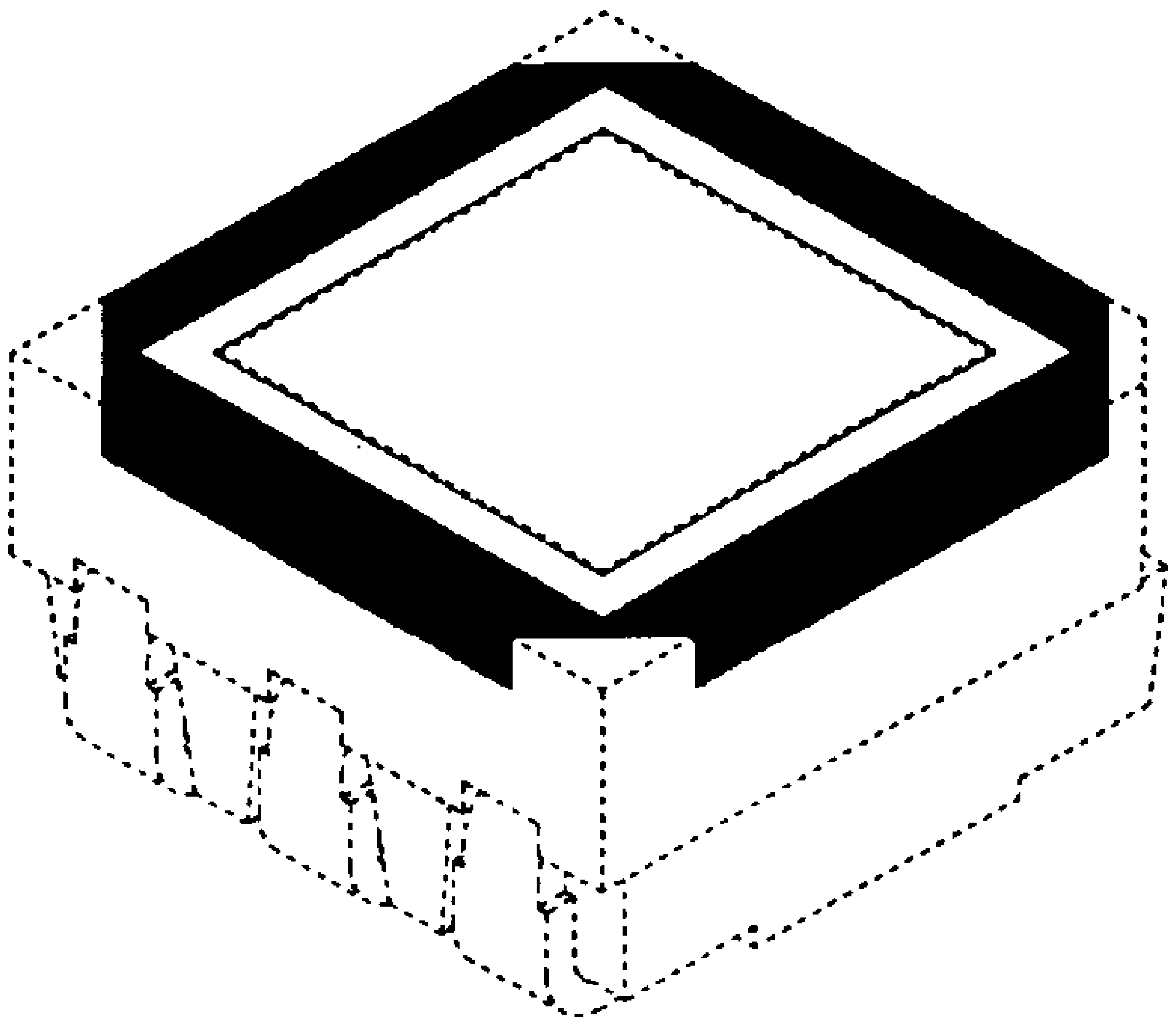


FIG. 8

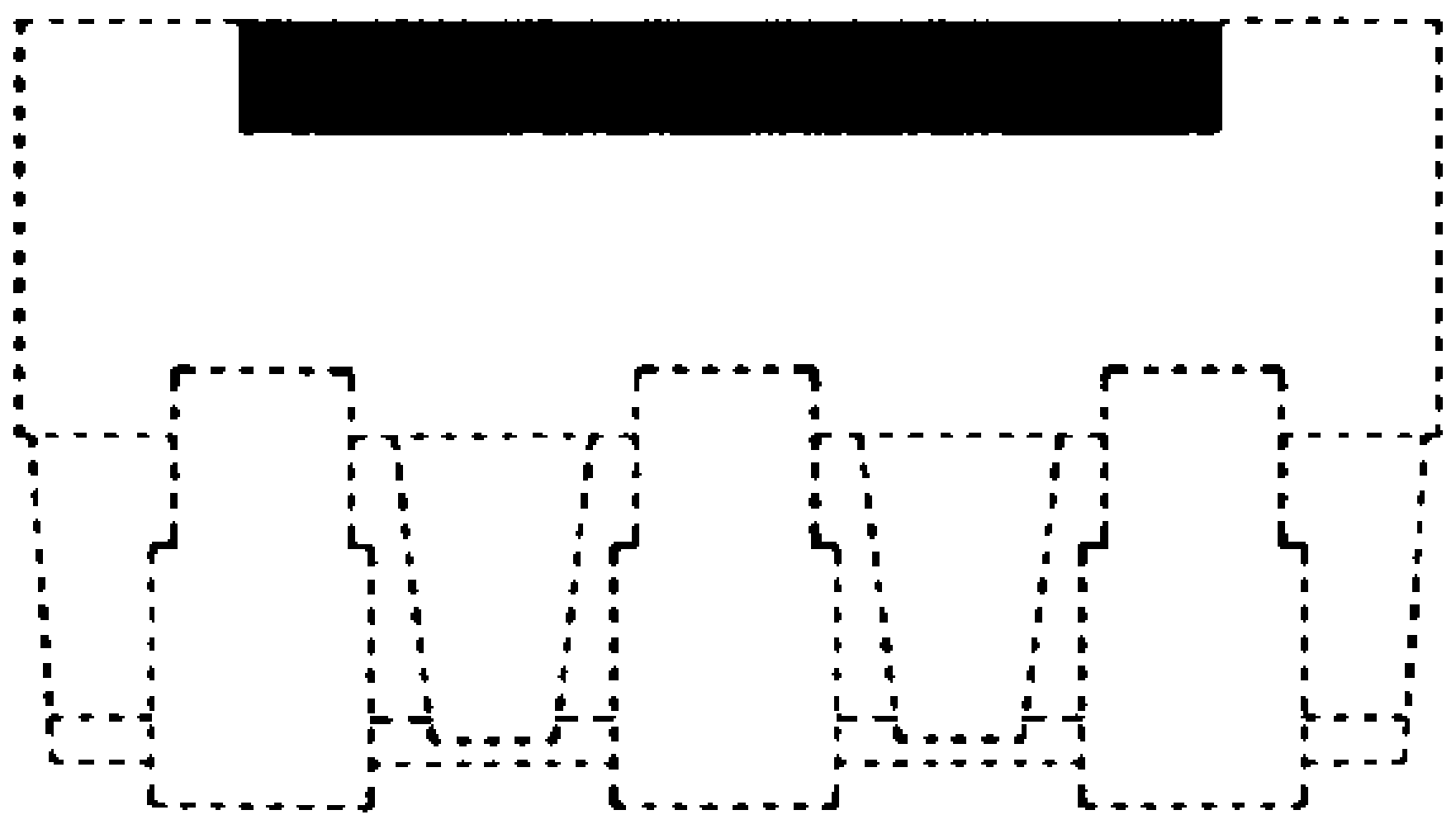


FIG. 9

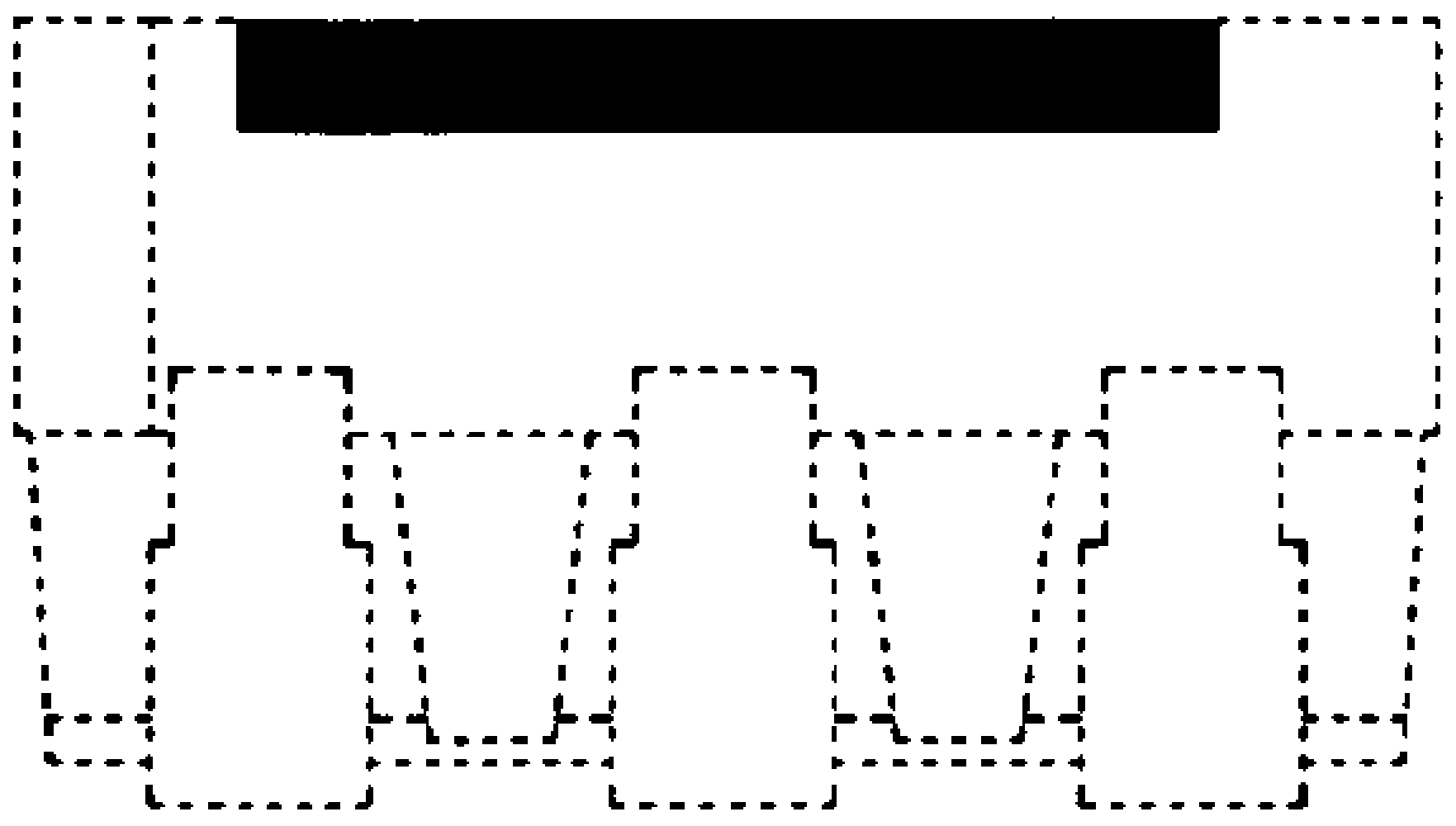


FIG. 10

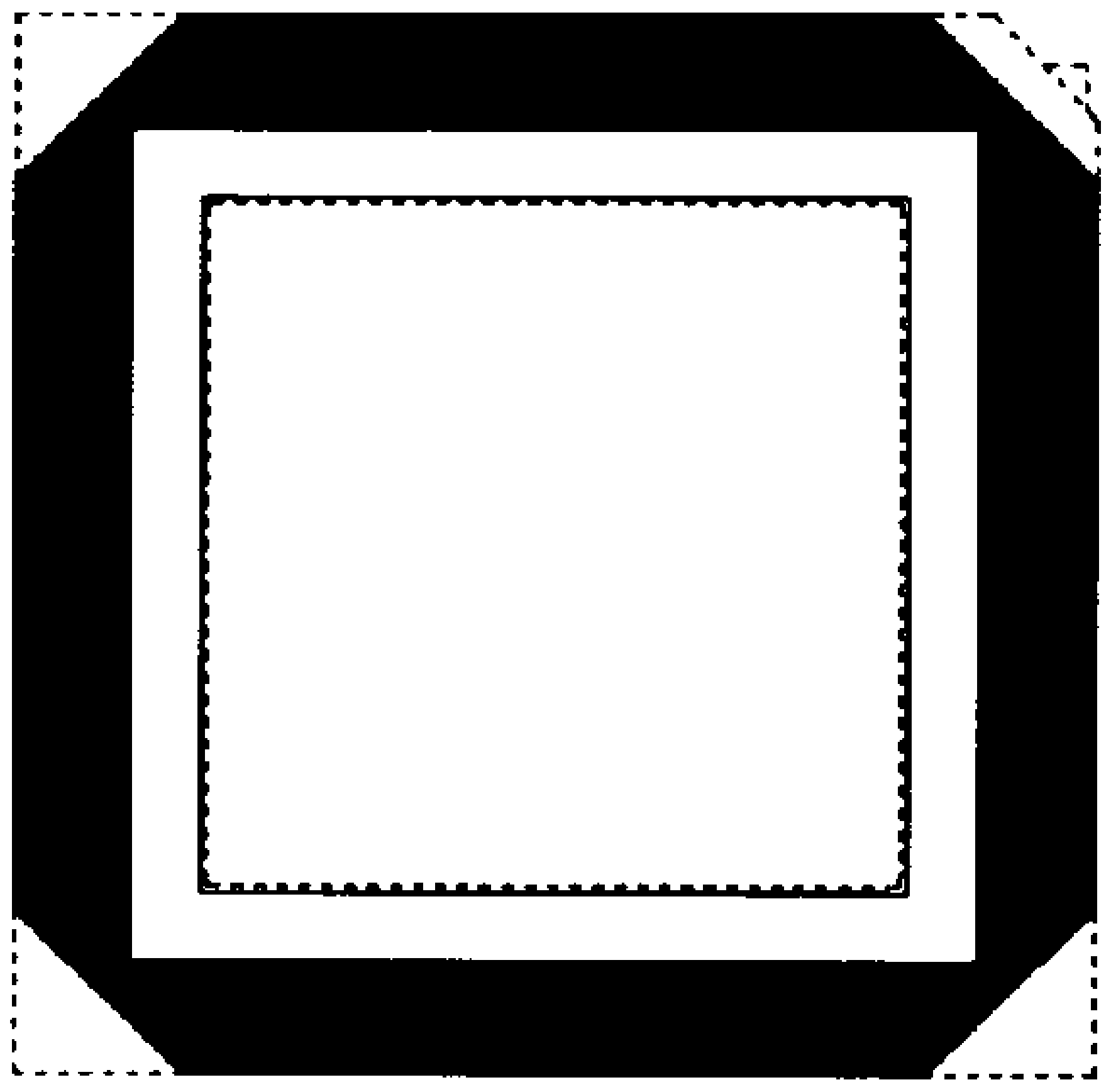


FIG. 11

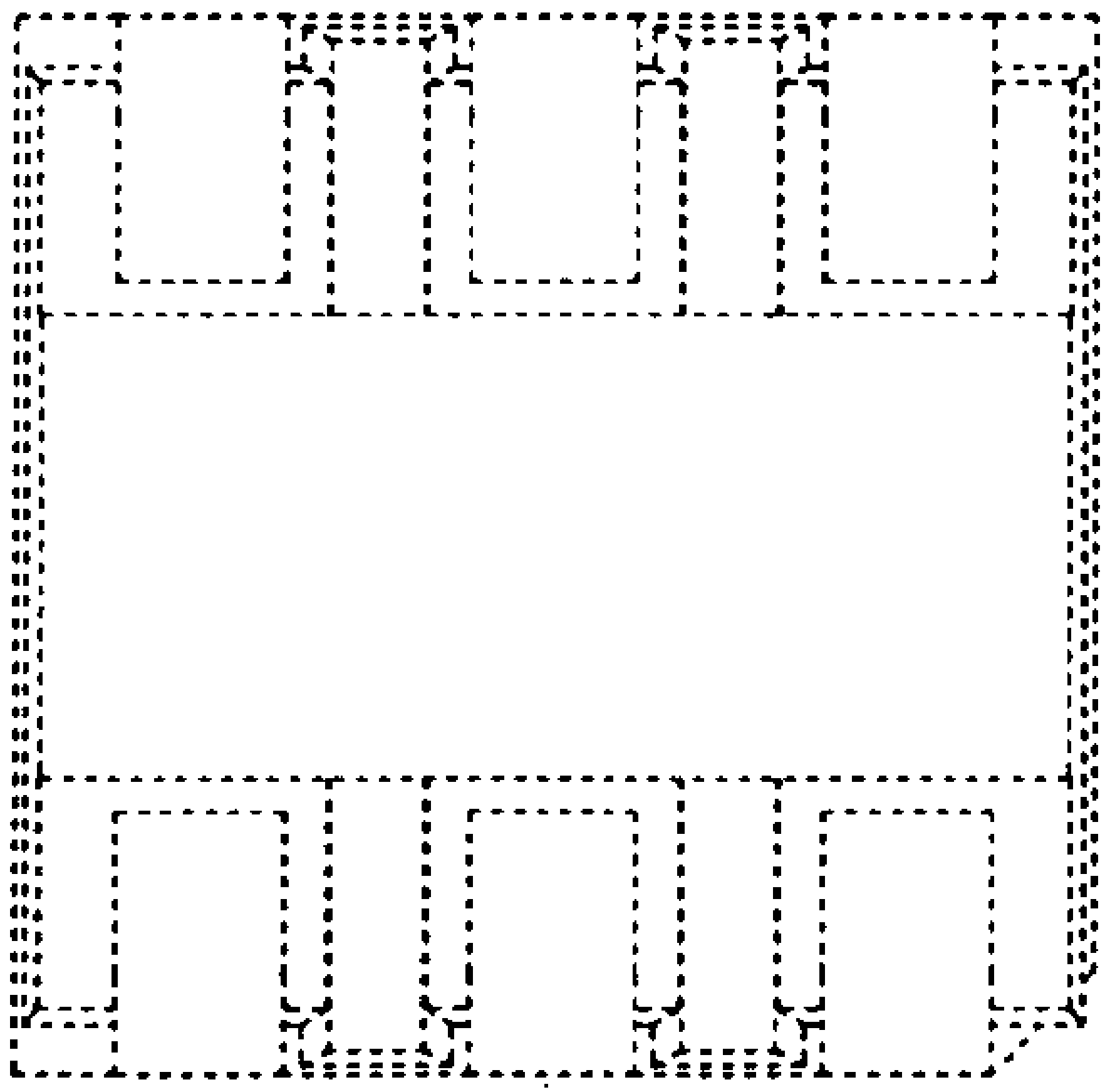


FIG. 12

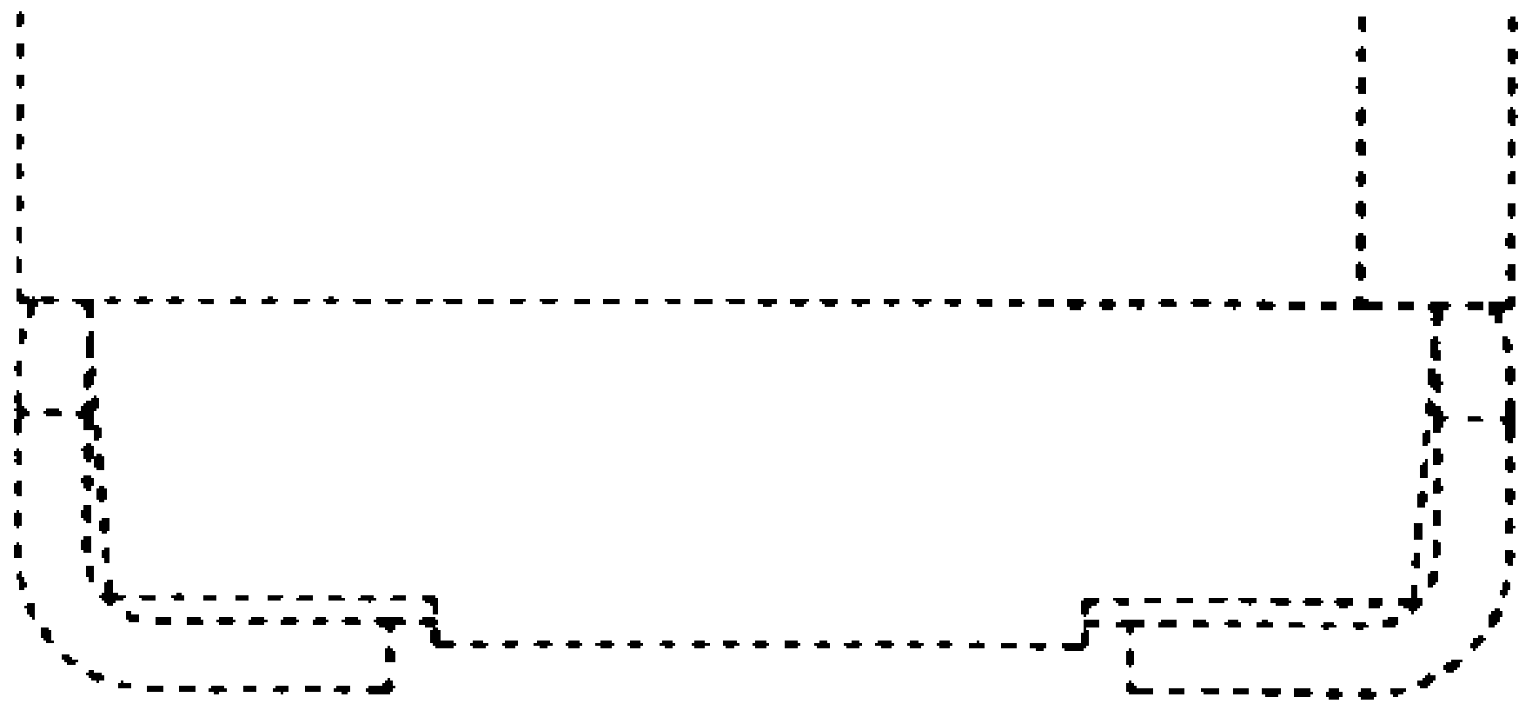


FIG. 13

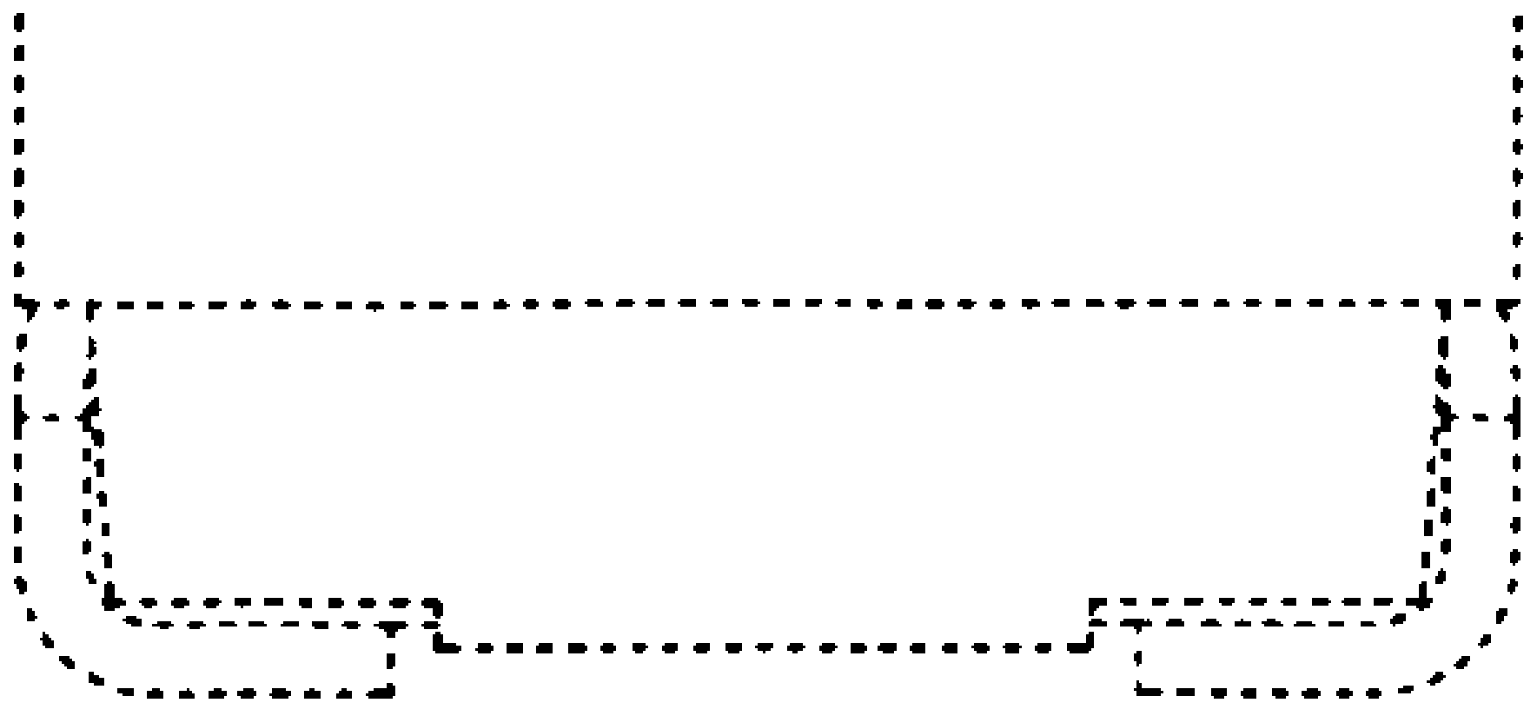


FIG. 14

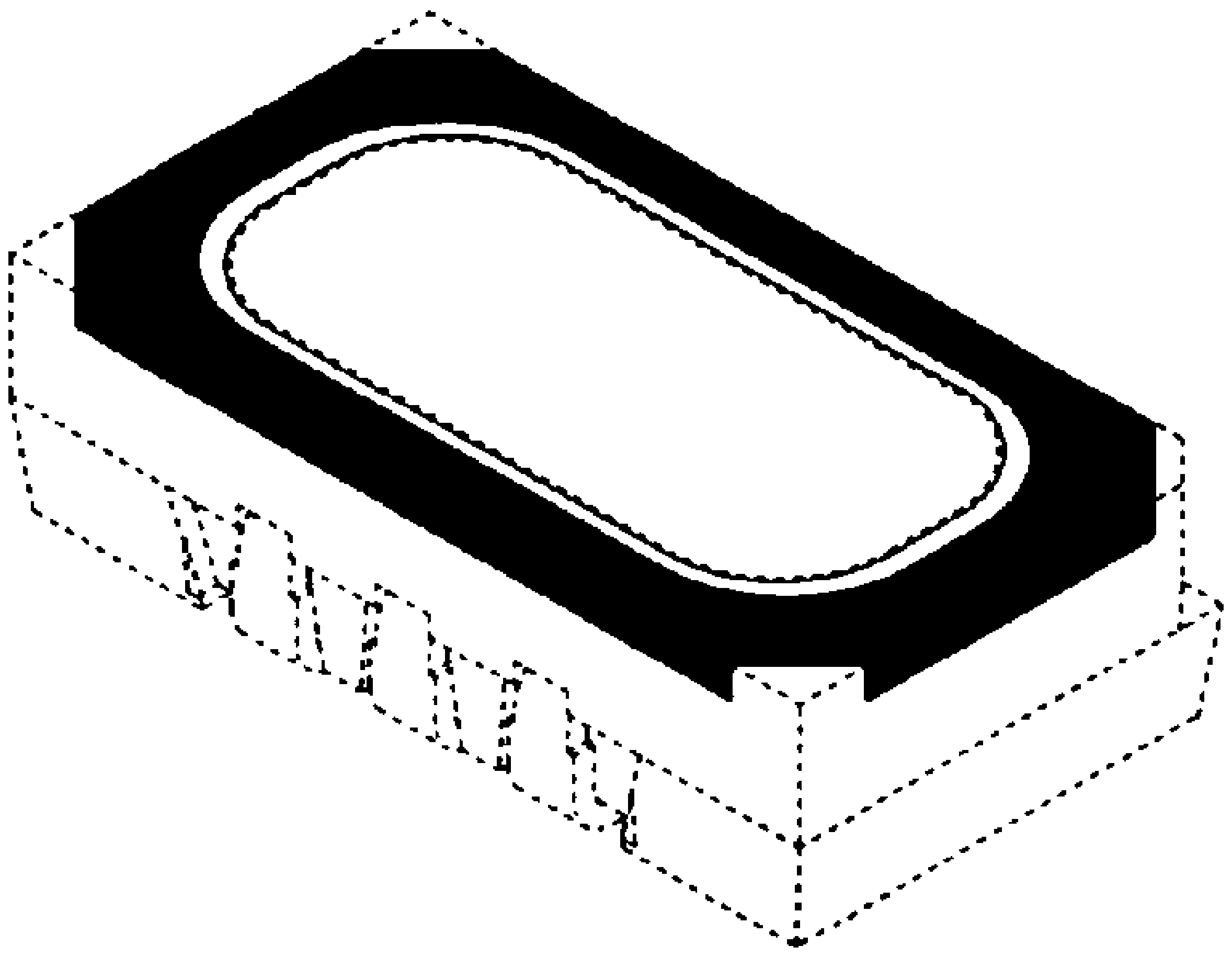


FIG. 15

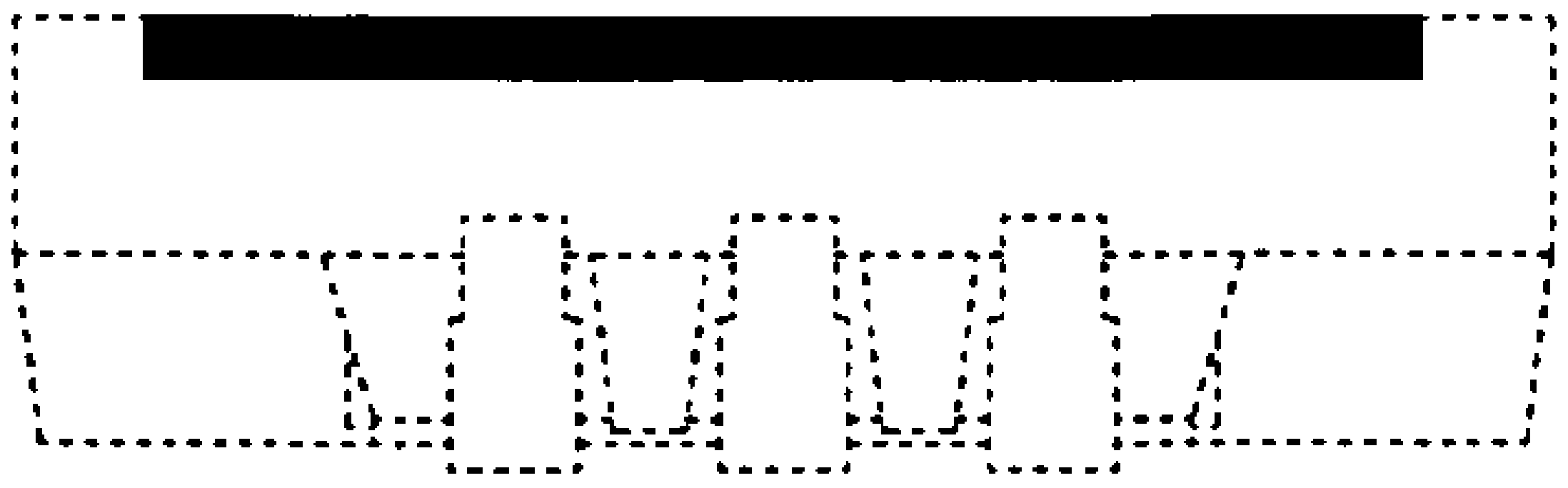


FIG. 16

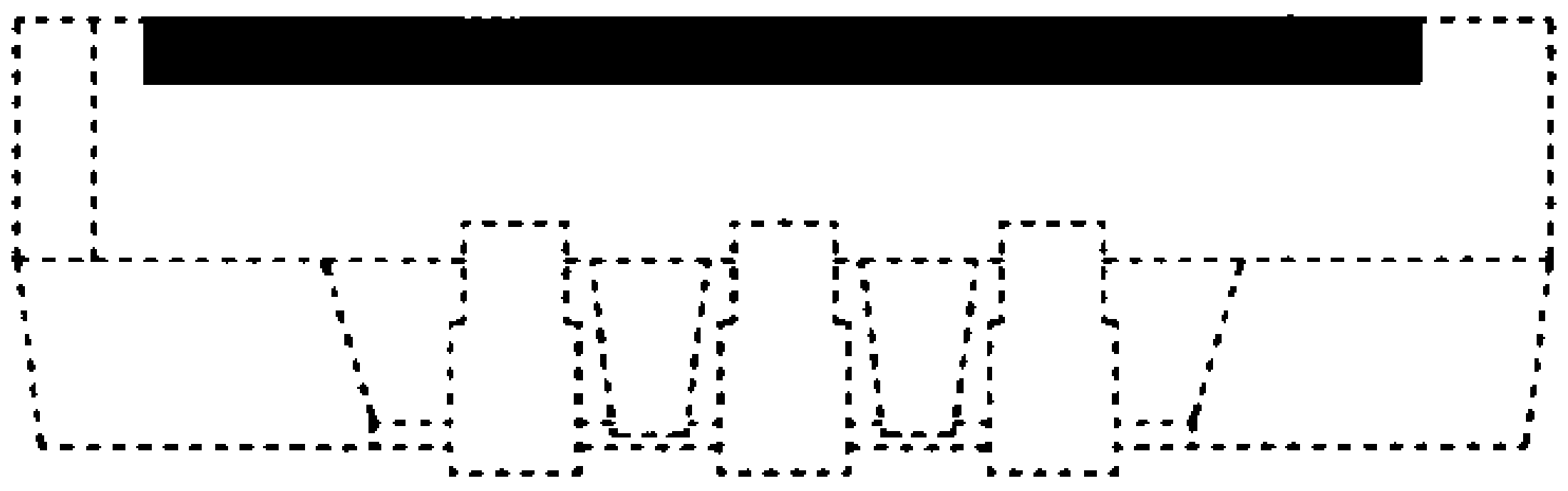


FIG. 17

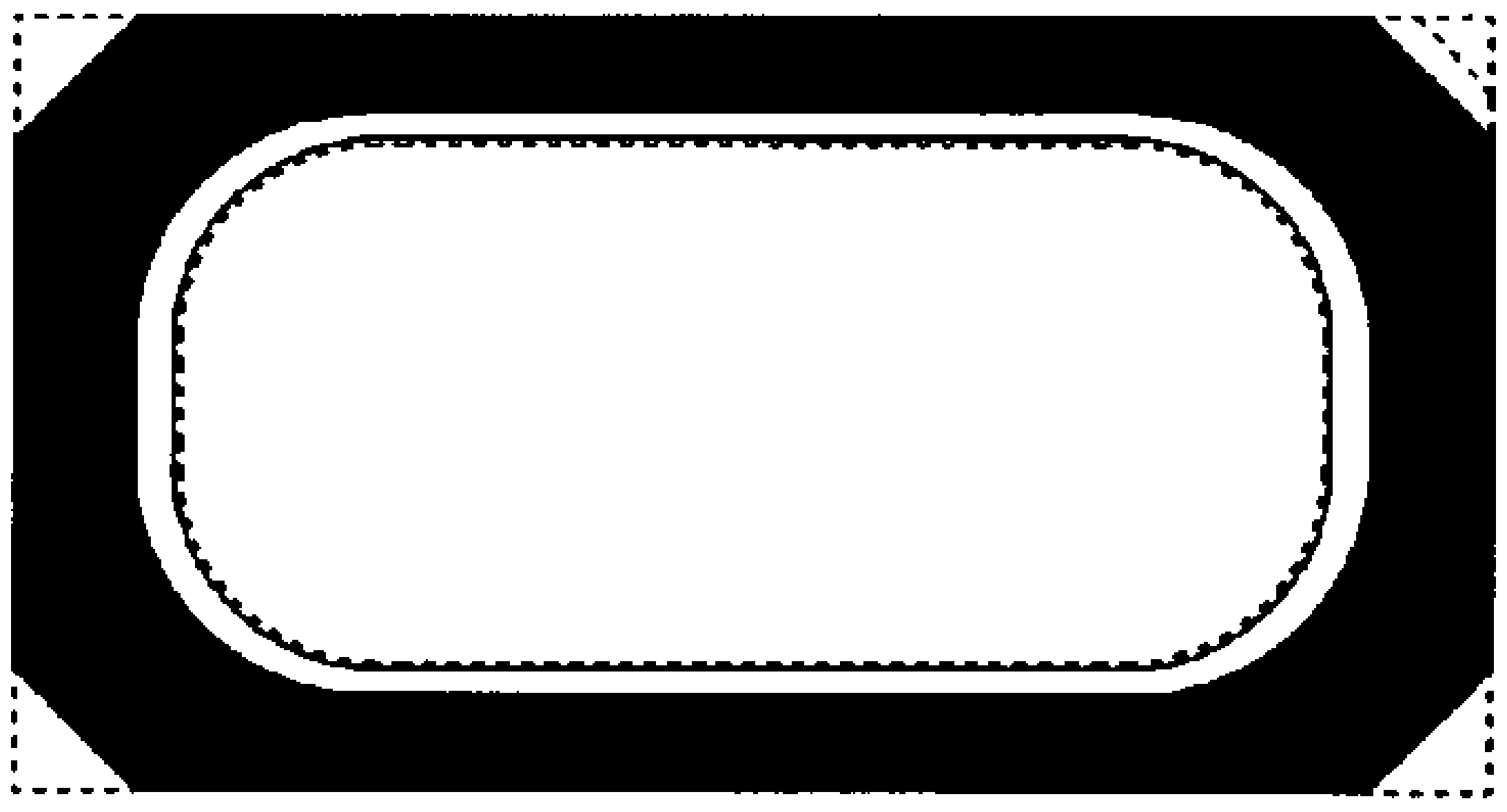


FIG. 18

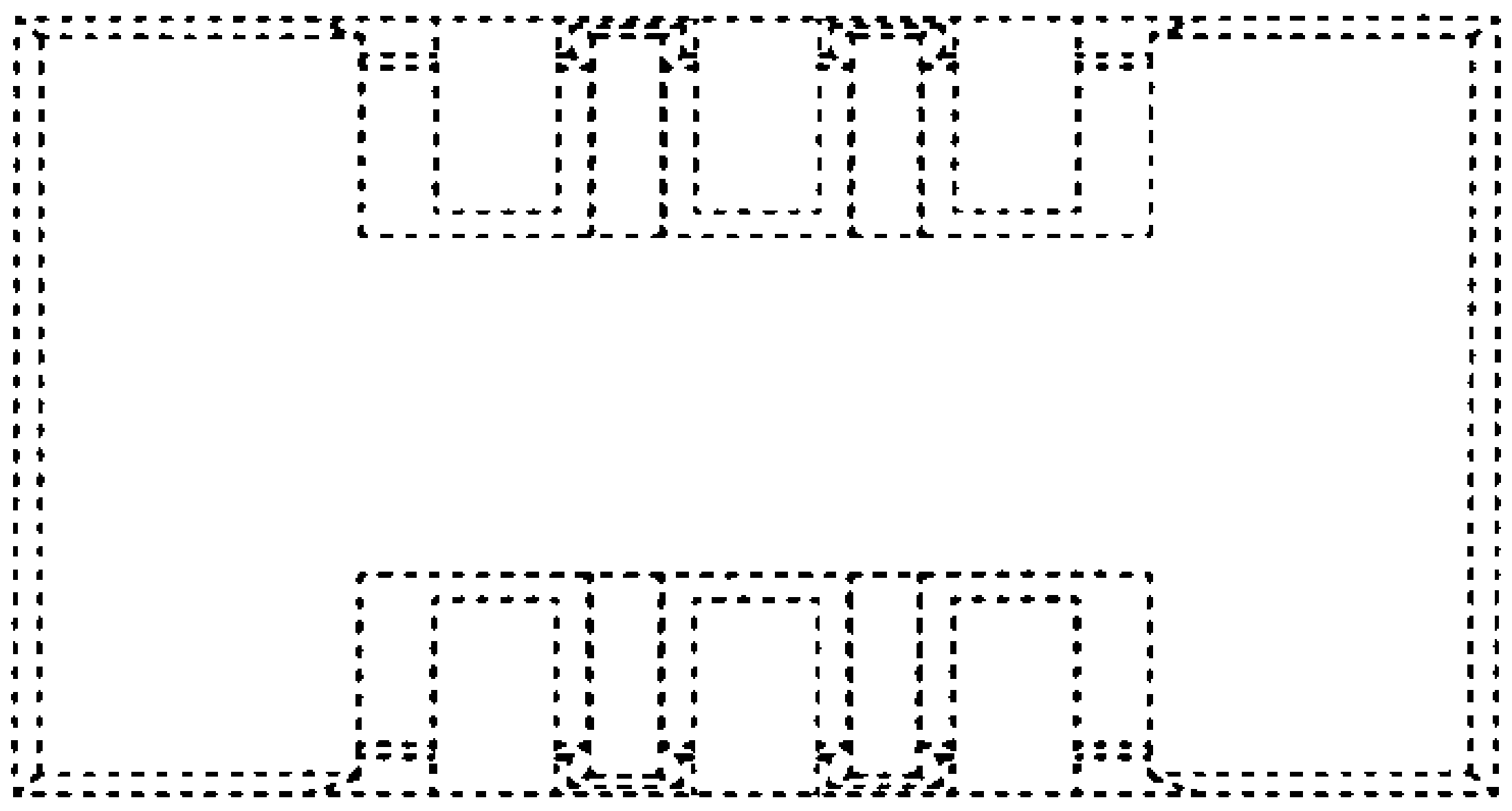


FIG. 19

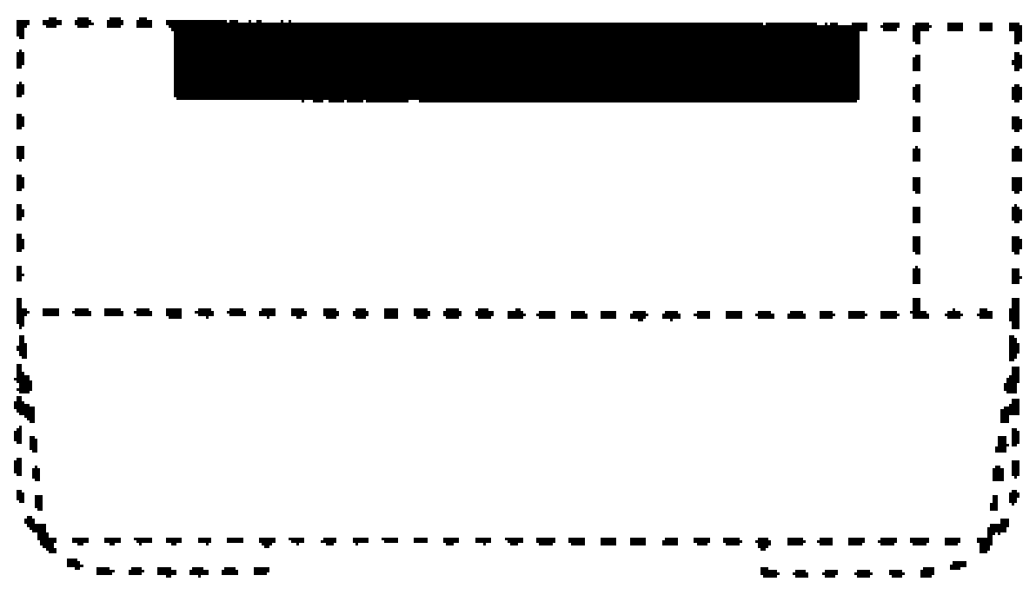


FIG. 20

FIG. 21