



US00D674364S

(12) **United States Design Patent**
Hirano

(10) **Patent No.:** **US D674,364 S**
(45) **Date of Patent:** **** Jan. 15, 2013**

(54) **CRYSTAL UNIT**

(75) Inventor: **Nobuhiro Hirano**, Saitama (JP)

(73) Assignee: **Nihon Dempa Kogyo Co., Ltd.**, Tokyo (JP)

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

(21) Appl. No.: **29/374,145**

(22) Filed: **Jul. 8, 2011**

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

(52) **U.S. Cl.** **D13/182**

(58) **Field of Classification Search** D13/182;
29/25.35, 594; 310/344, 348, 370; 331/68,
331/158

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,841,217	A *	11/1998	Kizaki et al.	310/348
6,538,896	B2 *	3/2003	Kameda et al.	361/752
6,731,187	B2 *	5/2004	Kurihara et al.	333/189
6,898,832	B2 *	5/2005	Kawashima	29/25.35
6,972,511	B2 *	12/2005	Akane et al.	310/348
7,034,441	B2 *	4/2006	Ono et al.	310/344
7,095,161	B2 *	8/2006	Unno et al.	310/348
7,408,291	B2 *	8/2008	Koyama et al.	310/348
7,764,138	B2 *	7/2010	Harima et al.	331/158
7,791,421	B2 *	9/2010	Yamashita	331/68
D630,597	S *	1/2011	Ono	D13/182
D649,127	S *	11/2011	Ono	D13/182
8,063,542	B2 *	11/2011	Ono et al.	310/348
2002/0036546	A1 *	3/2002	Hatanaka et al.	331/68

2003/0045181	A1 *	3/2003	Okazaki	439/894
2004/0085003	A1 *	5/2004	Miura	310/348
2004/0135474	A1 *	7/2004	Koyama et al.	310/348
2004/0178858	A1 *	9/2004	Miyazaki et al.	331/158
2005/0184626	A1 *	8/2005	Chiba et al.	310/348
2010/0066210	A1 *	3/2010	Otake	310/348
2010/0314971	A1 *	12/2010	Kaida et al.	310/344
2011/0215879	A1 *	9/2011	Aratake	331/158
2011/0221537	A1 *	9/2011	Aratake	331/158
2012/0025672	A1 *	2/2012	Morita	310/344
2012/0032562	A1 *	2/2012	Mizusawa	310/344
2012/0133447	A1 *	5/2012	Mizusawa	331/68
2012/0176004	A1 *	7/2012	Mizusawa et al.	310/348

* cited by examiner

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Edwards Wildman Palmer LLP; Scott D. Wofsy

(57) **CLAIM**

The ornamental design for a crystal unit, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a crystal unit of the present invention;

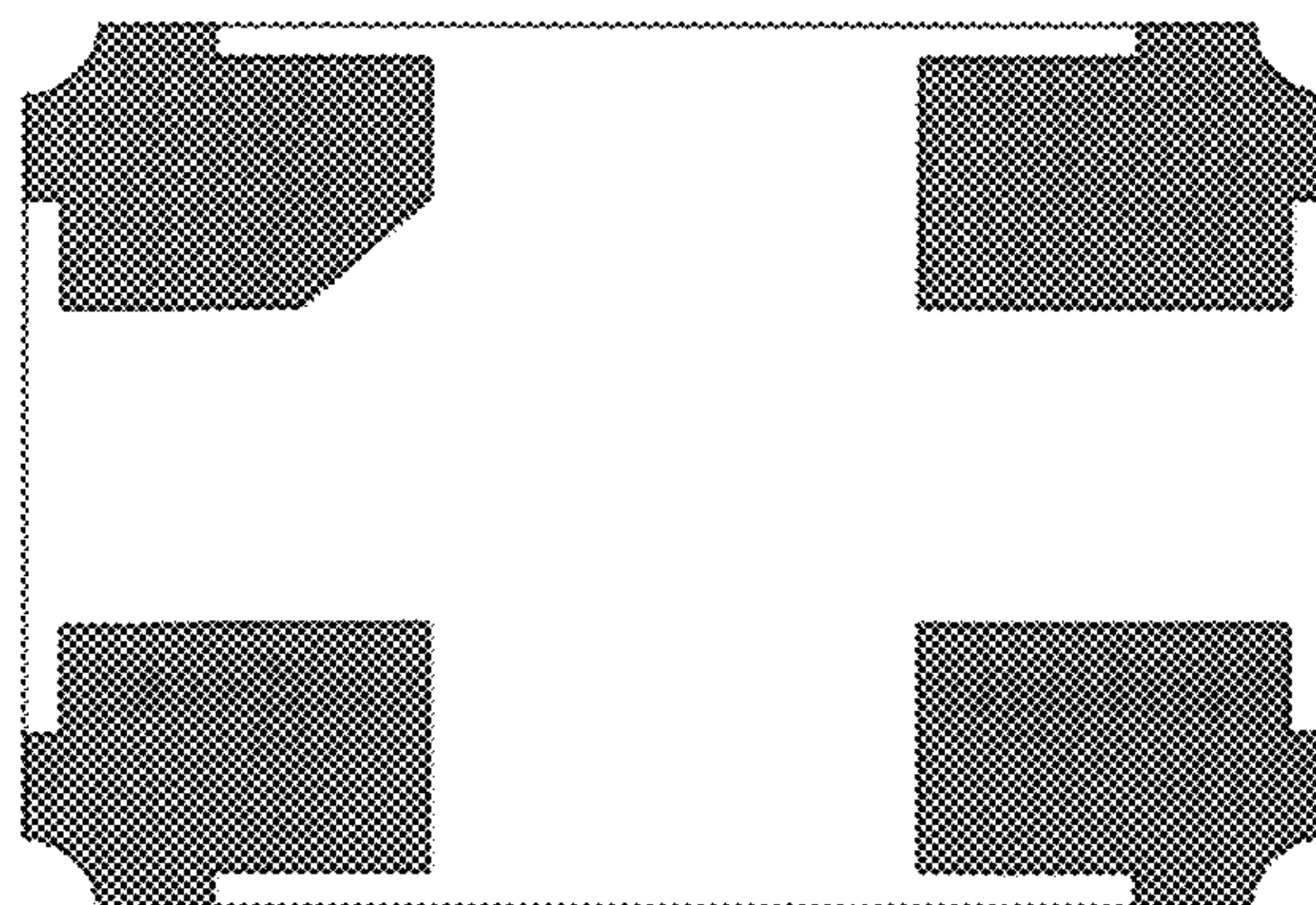
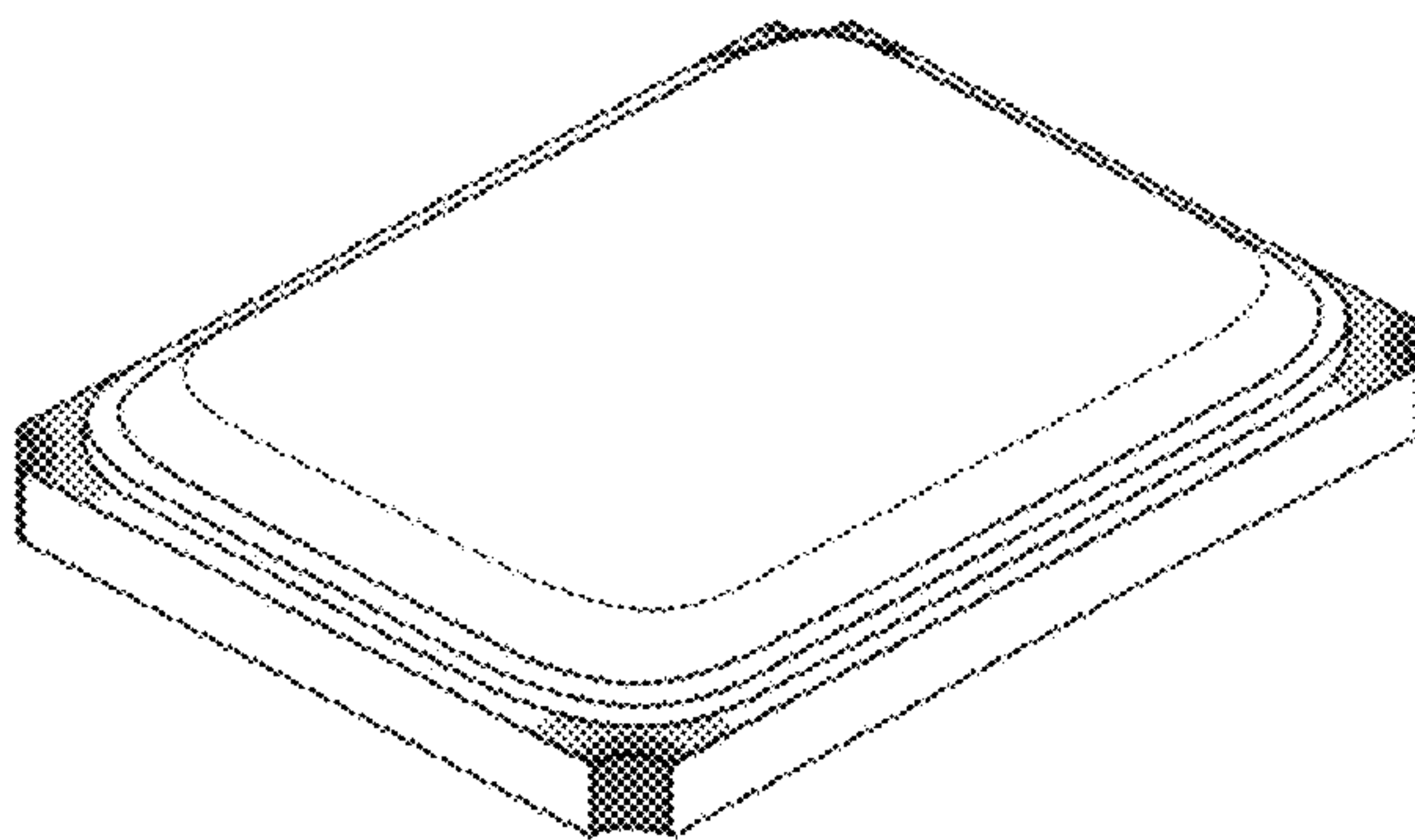
FIG. 2 is a front view of the crystal unit of the present invention;

FIG. 3 is a right side view of the crystal unit of the present invention;

FIG. 4 is a top plan view of the crystal unit of the present invention; and,

FIG. 5 is a bottom plan view of the crystal unit of the present invention.

1 Claim, 2 Drawing Sheets



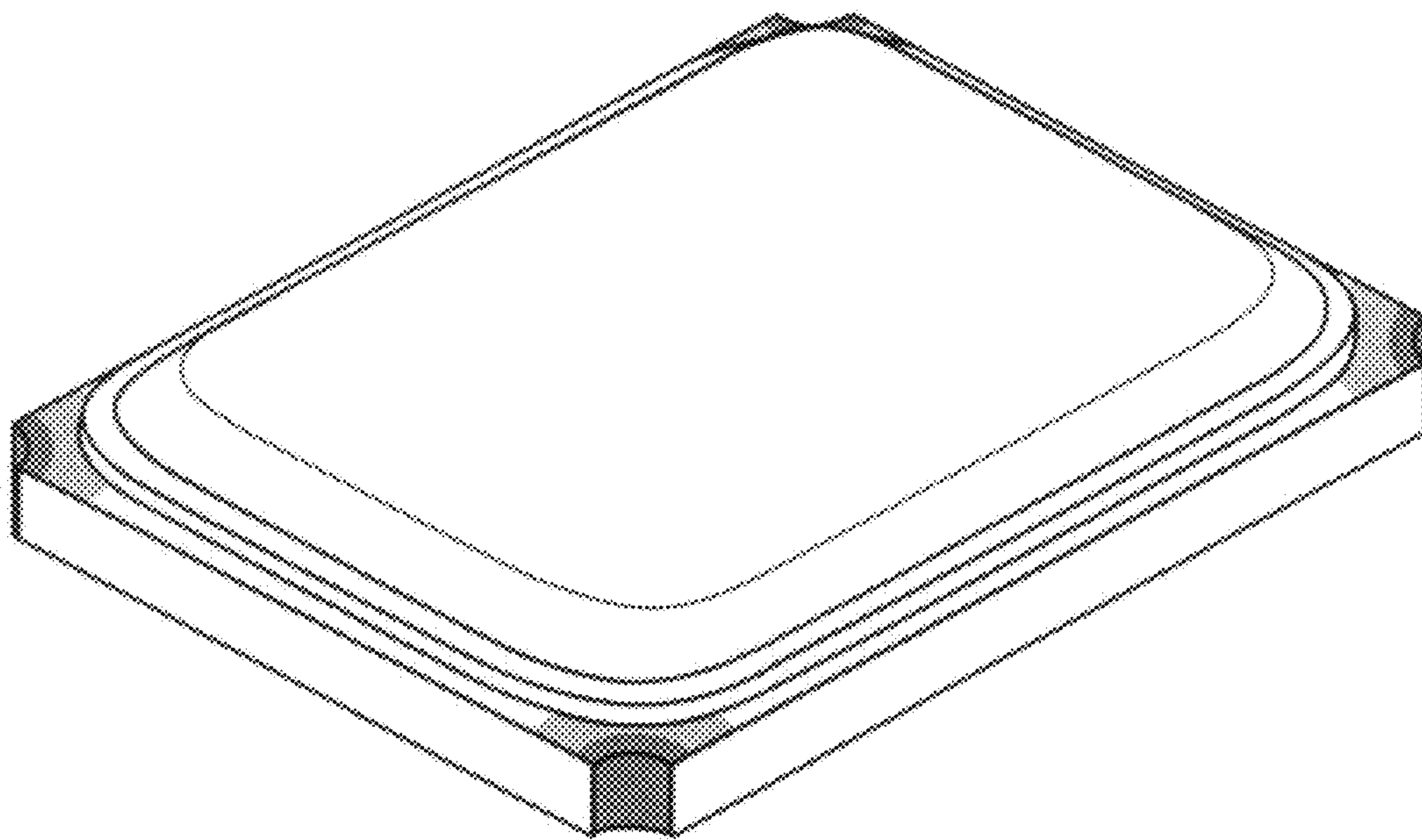


FIG. 1

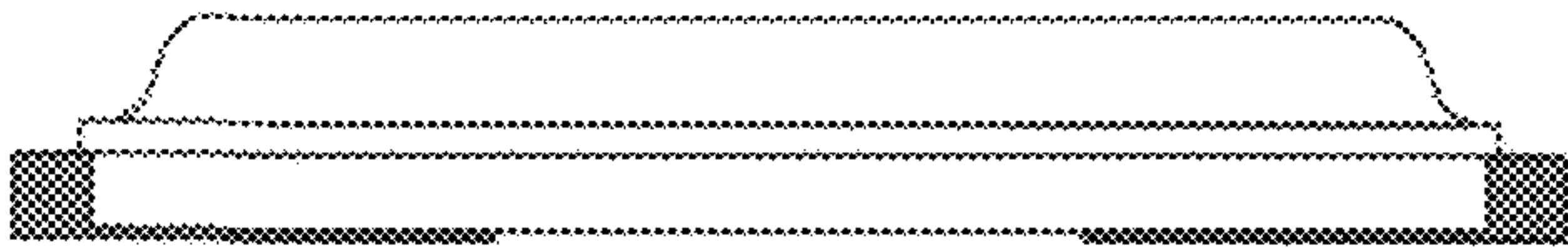


FIG. 2

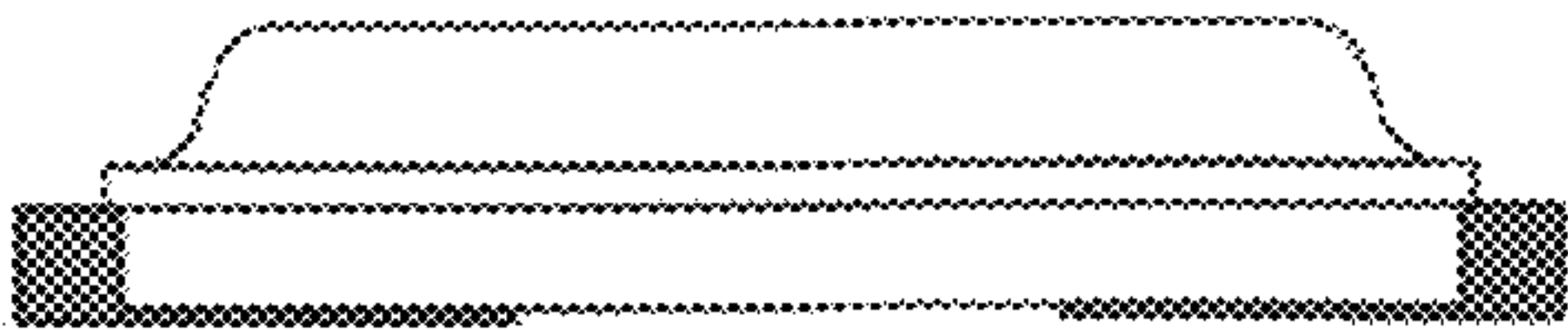


FIG. 3

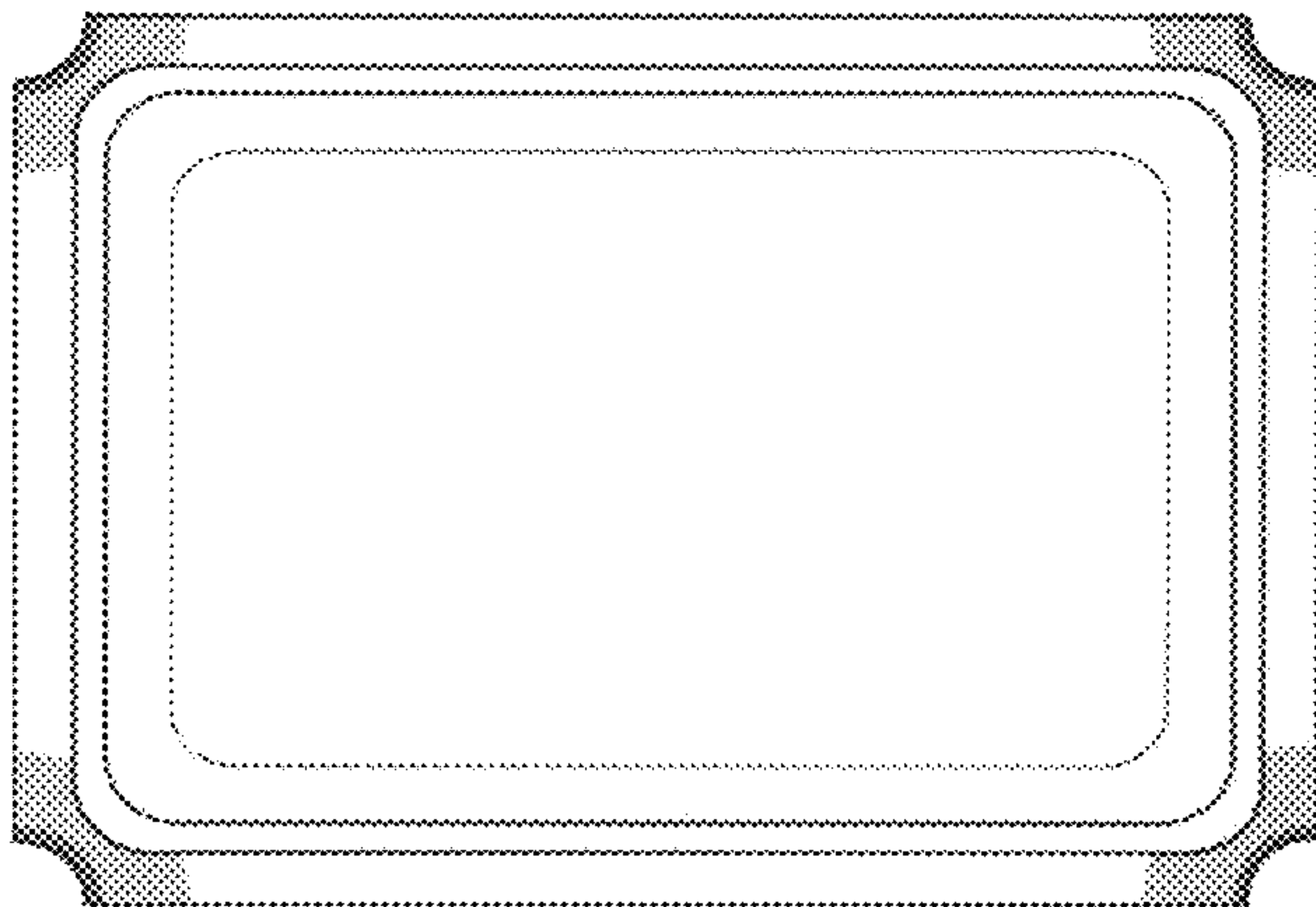


FIG. 4

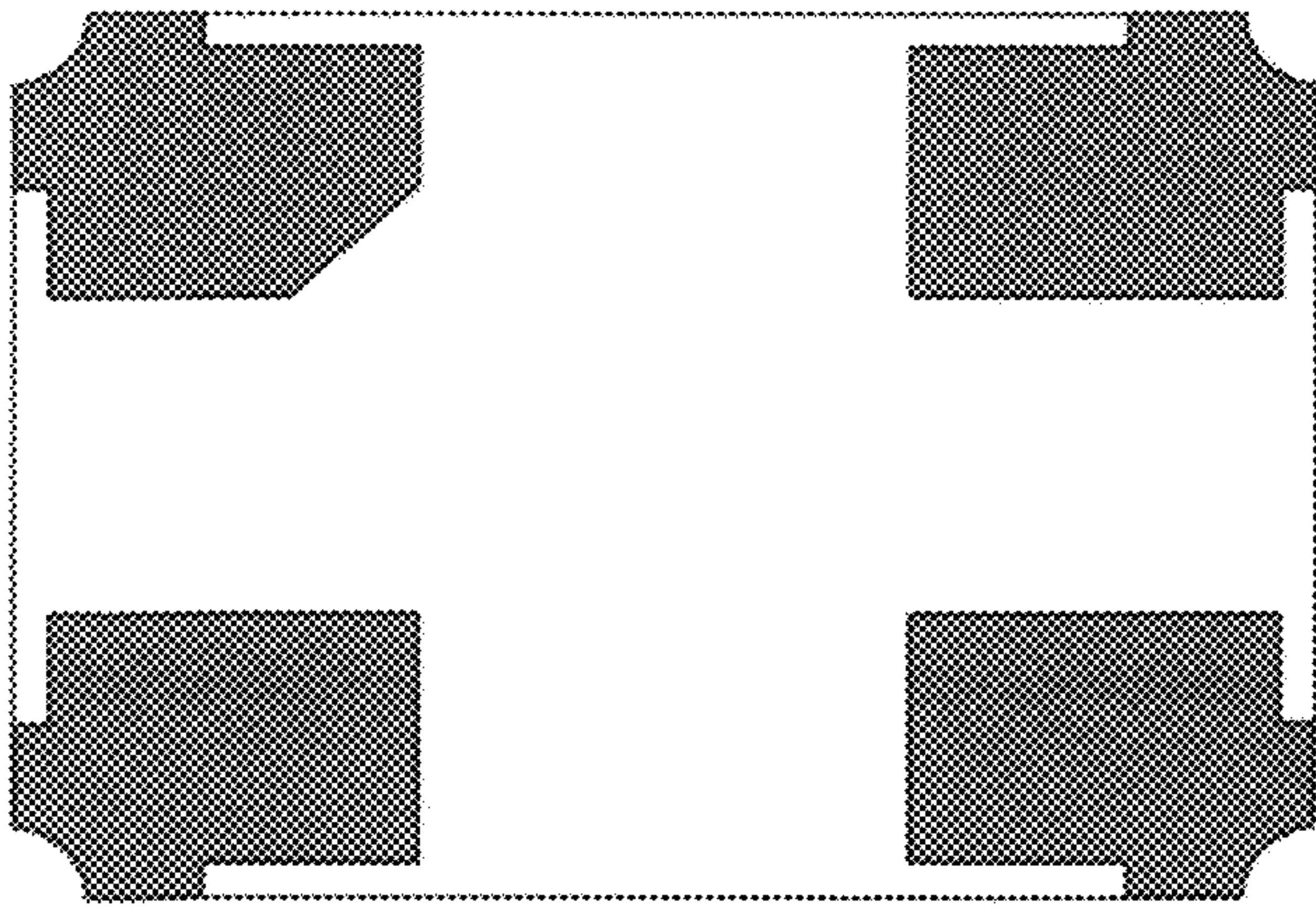


FIG. 5