



US00D643819S

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

(10) **Patent No.:** **US D643,819 S**
(45) **Date of Patent:** **** *Aug. 23, 2011**

(54) **PACKAGE FOR LIGHT EMITTING DIODE (LED) LIGHTING**

7,564,180 B2 6/2009 Brandes
D595,675 S * 7/2009 Wang et al. D13/180
D597,971 S * 8/2009 Kobayakawa et al. D13/180

(Continued)

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FOREIGN PATENT DOCUMENTS

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CN 200930286397 10/2010

(Continued)

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

OTHER PUBLICATIONS

(21) Appl. No.: **29/365,939**

Description Model No. NS6G083 issued by Nichia Corporation—at least as early as Aug. 31, 2007.

(22) Filed: **Jul. 16, 2010**

(Continued)

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

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

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

See application file for complete search history.

Primary Examiner — Selina Sikder

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(57) **CLAIM**

The ornamental design for a package for light emitting diode (LED) lighting, as shown and described.

(56) **References Cited**

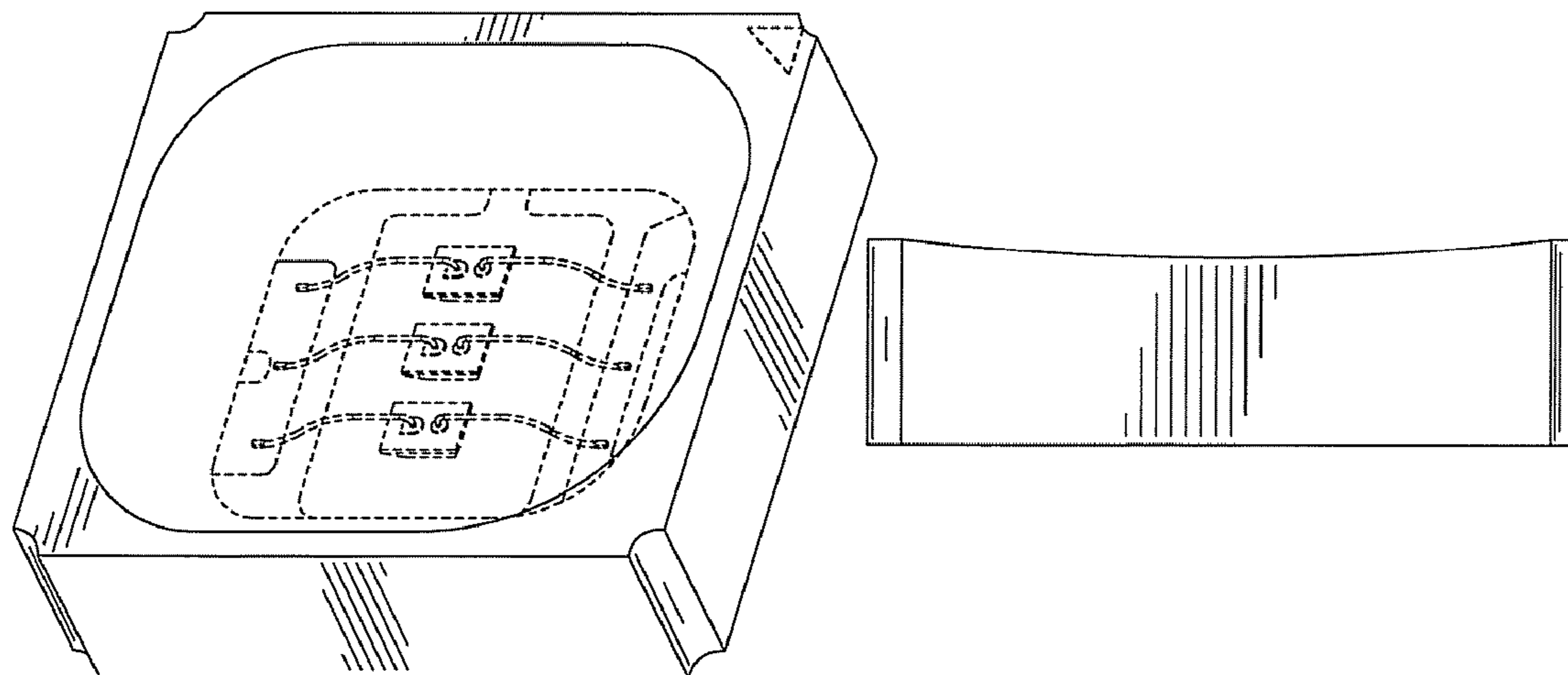
DESCRIPTION

U.S. PATENT DOCUMENTS

4,679,118	A	7/1987	Johnson et al.	
6,610,563	B1	8/2003	Waitl	
6,943,433	B2	9/2005	Kamada	
D514,073	S *	1/2006	Suenaga D13/180
7,081,661	B2 *	7/2006	Takehara et al. 257/433
7,224,047	B2	5/2007	Carberry et al.	
7,244,965	B2	7/2007	Andrews et al.	
7,249,790	B2	7/2007	Condie et al.	
D566,055	S *	4/2008	Kim D13/180
D573,113	S	7/2008	Bando	
D573,144	S	7/2008	Min et al.	
7,400,049	B2	7/2008	Shim	
7,432,589	B2	10/2008	Yamamoto et al.	
D580,375	S	11/2008	Yen	
D580,381	S	11/2008	Bando	
D580,891	S *	11/2008	Sung et al. D13/180
7,456,499	B2	11/2008	Loh	
7,462,870	B2	12/2008	Nakashima	
D584,699	S	1/2009	Bando	
D594,827	S	6/2009	Loh et al.	

FIG. 1 is a top perspective view of a package for light emitting diode (LED) lighting showing our design;
FIG. 2 is a top plan view thereof;
FIG. 3 is a first side view thereof, the opposing side being a mirror image of that shown;
FIG. 4 is a second side view thereof, the opposing side being a mirror image of that shown;
FIG. 5 is a bottom plan view thereof opposite the view of FIG. 2;
FIG. 6 is a first side view thereof, the opposing side being a mirror image of that shown;
FIG. 7 is a second side view thereof, the opposing side being a mirror image of that shown; and,
FIG. 8 is a bottom perspective view thereof.
The broken lines are for illustrative purposes only and form no part of the claimed design.

1 Claim, 2 Drawing Sheets



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U.S. PATENT DOCUMENTS

D598,400	S	8/2009	Bando	
D614,592	S	4/2010	Hussell et al.	
D615,504	S	5/2010	Keller et al.	
7,719,024	B2	5/2010	Bando	
D621,798	S *	8/2010	Lu et al.	D13/180
D621,799	S *	8/2010	Hussell et al.	D13/180
2002/0004251	A1	1/2002	Roberts et al.	
2004/0126913	A1	7/2004	Loh	
2006/0220050	A1 *	10/2006	Higaki et al.	257/99
2007/0075325	A1 *	4/2007	Baek et al.	257/99
2008/0006837	A1	1/2008	Park et al.	
2008/0185605	A1 *	8/2008	Wada et al.	257/98
2008/0258162	A1 *	10/2008	Koung et al.	257/98
2008/0290353	A1	11/2008	Medendorp et al.	
2009/0189178	A1	7/2009	Kim et al.	
2010/0133554	A1	6/2010	Hussell	
2010/0133578	A1	6/2010	Pickard et al.	
2011/0031865	A1	2/2011	Hussell et al.	

FOREIGN PATENT DOCUMENTS

EP	001242234	1/2011
JP	2008-091792	4/2008
JP	2008-103480	5/2008
KR	1020070000130	1/2007
KR	1020090003378 A	1/2009
WO	WO 2007/126720	11/2007

OTHER PUBLICATIONS

Description Model No. NS6x083x issued by Nichia Corporation—at least as early as Feb. 17, 2007.

U.S. Appl. No. 29/338,186, filed Jun. 5, 2009.

Co-pending U.S. Appl. No. 12/498,856, filed Jul. 7, 2009.

Notice of Allowance from U.S. Appl. No. 29/330,657 dated Sep. 25, 2009.

U.S. Appl. No. 29/353,652, filed Jan. 12, 2010.

Notice of Allowance from U.S. Appl. No. 29/338,186 dated Apr. 16, 2010.

U.S. Appl. No. 29/360,791, filed Apr. 30, 2010.

Non-Final Office Action for U.S. Appl. No. 12/479,318 dated Jun. 2, 2010.

U.S. Appl. No. 12/853,812, filed Aug. 10, 2010.

Notice of Allowance for U.S. Appl. No. 29/353,652 dated Aug. 24, 2010.

U.S. Appl. No. 61/404,985, filed Oct. 13, 2010.

Non-final Office Action for U.S. Appl. No. 12/479,318 dated Nov. 10, 2010.

Notice of Allowance for U.S. Appl. No. 29/353,652 dated Nov. 26, 2010.

Supplemental Notice of Allowance for U.S. Appl. No. 29/353,652 dated Dec. 8, 2010.

Related CIP U.S. Appl. No. 12/969,267, filed Dec. 15, 2010 (Filed With Non-Publication Request).

Notice of Allowance for U.S. Appl. No. 29/360,791 dated Dec. 22, 2010.

Related U.S. Appl. No. 29/382,394, filed Jan. 3, 2011.

International Search Report/Written Opinion dated Jan. 5, 2011 for PCT/US2010/035379.

U.S. Appl. No. 13/011,609, filed Jan. 21, 2011.

Supplemental Notice of Allowance for U.S. Appl. No. 29/360,791 dated Jan. 24, 2011.

Notice of Allowance for U.S. Appl. No. 12/479,318 dated Feb. 17, 2011.

Notice of Allowance for U.S. Appl. No. 29/338,186 dated Mar. 10, 2011.

Notice of Allowance for Japanese Design Appl. No. 2010-026186 dated Mar. 29, 2011.

* cited by examiner

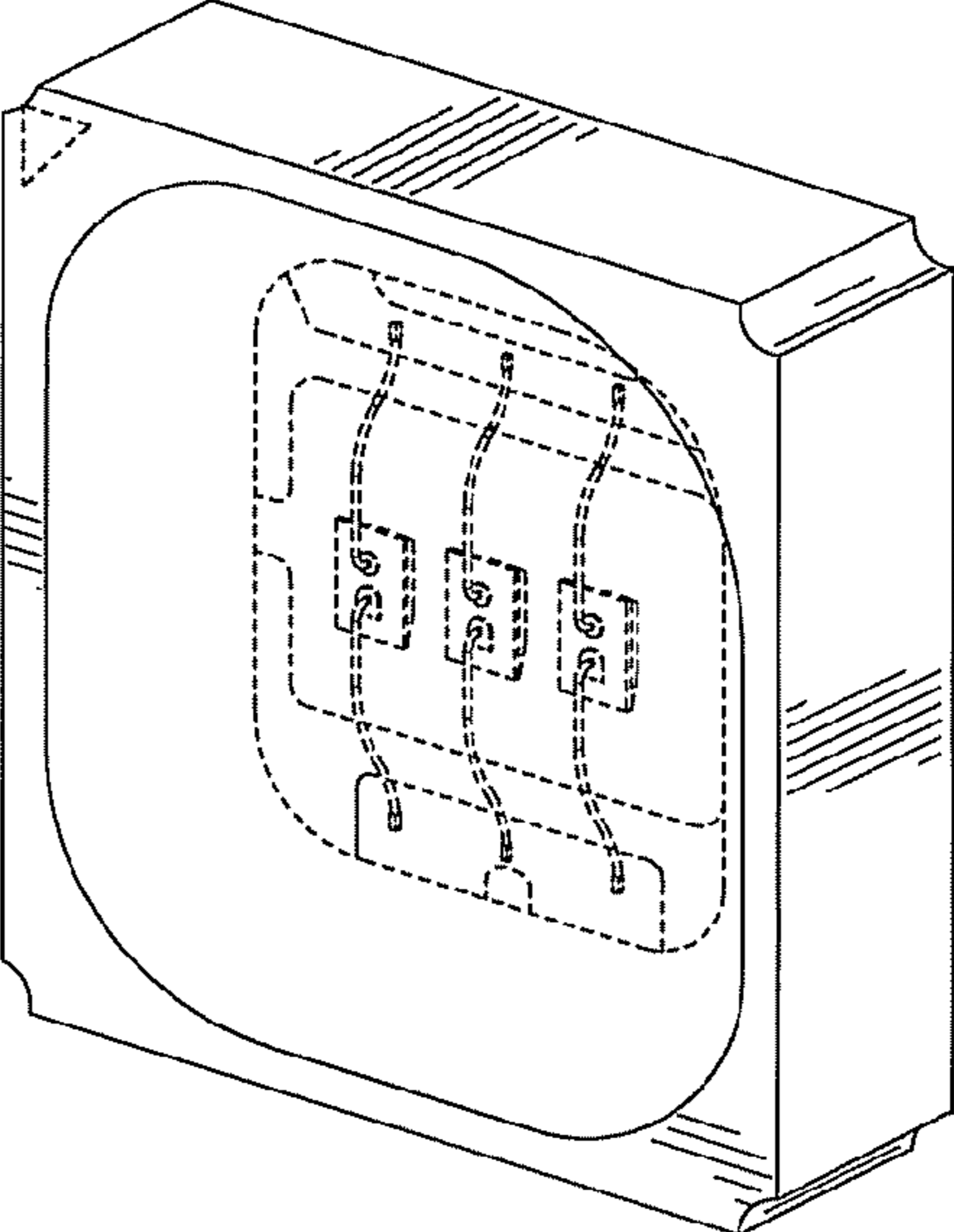


FIG. 1

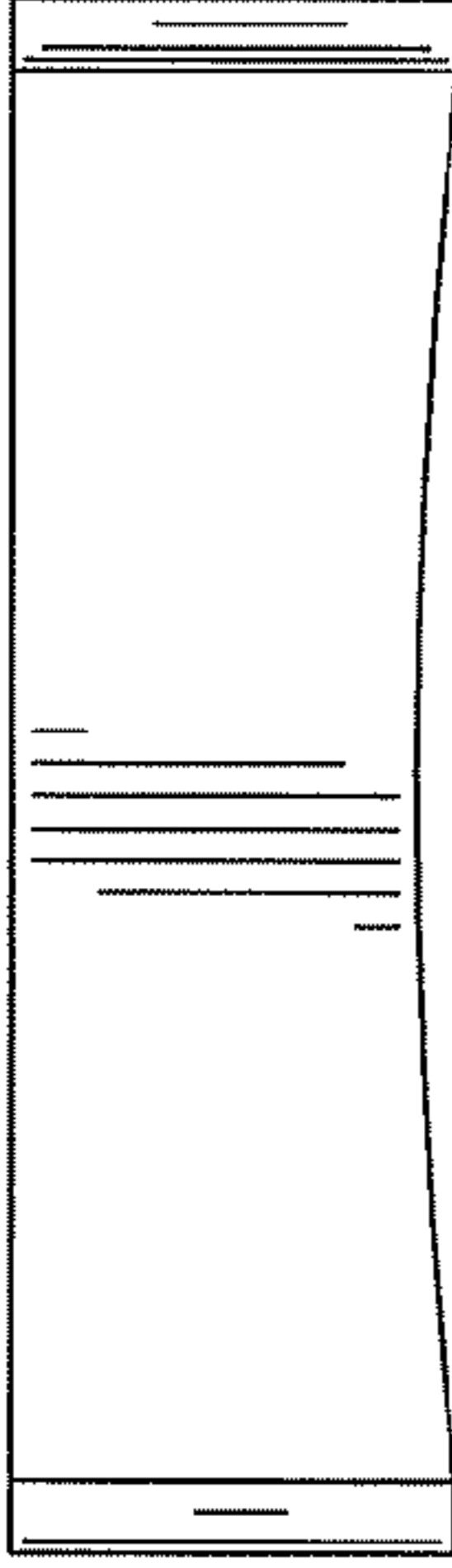


FIG. 3

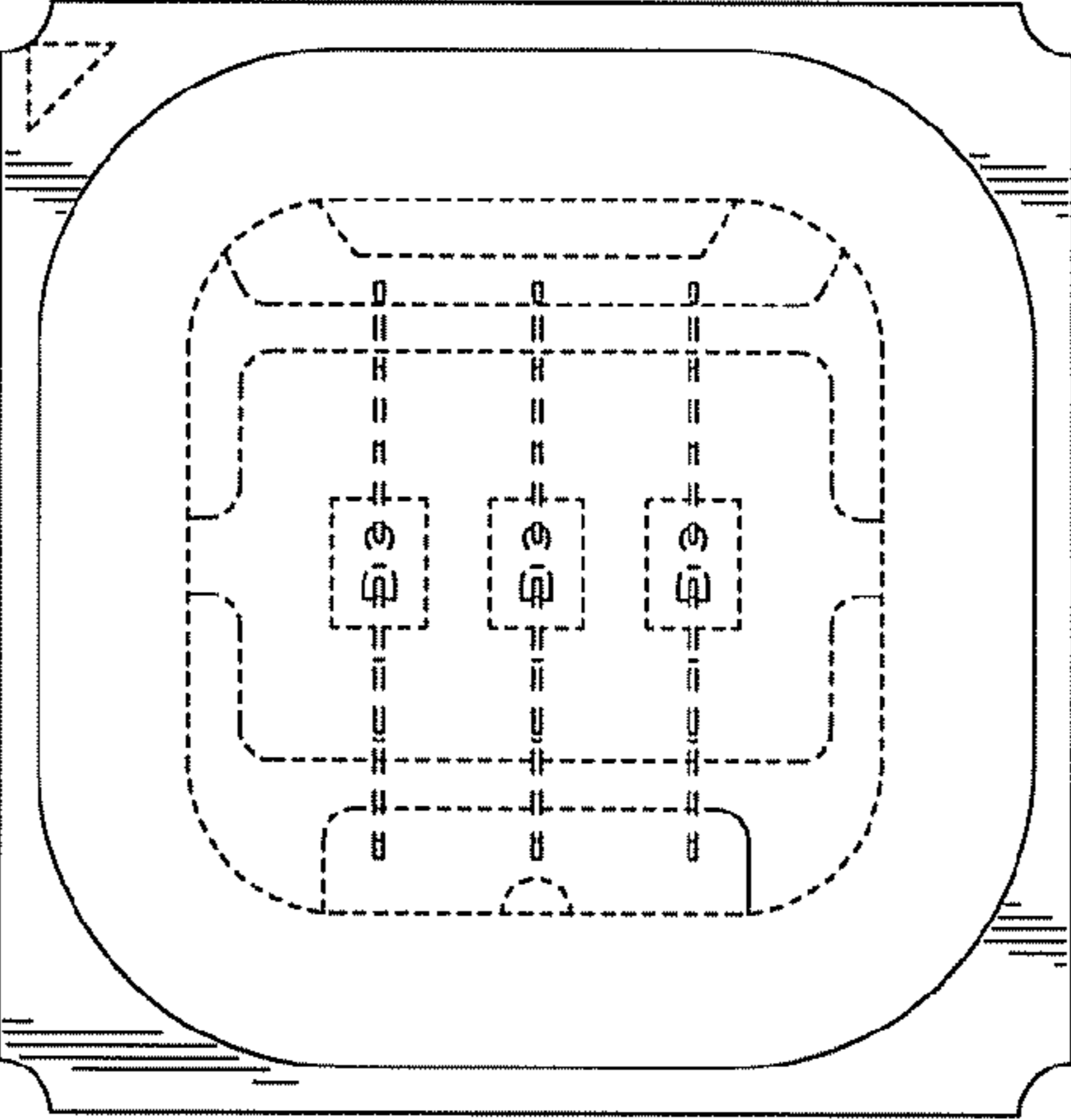


FIG. 2

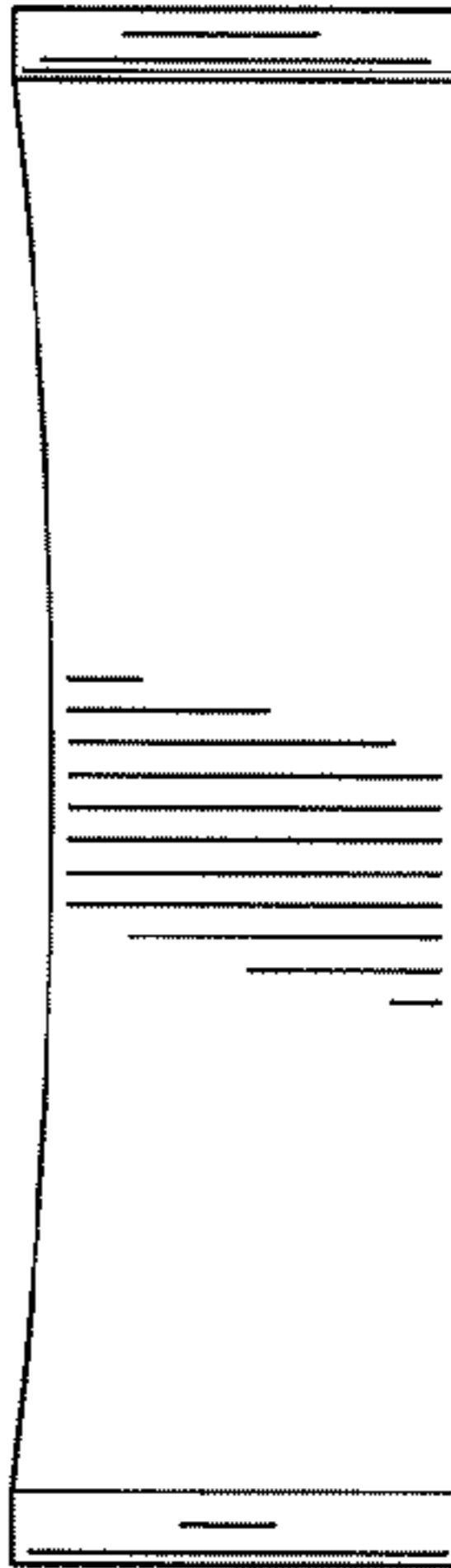


FIG. 4

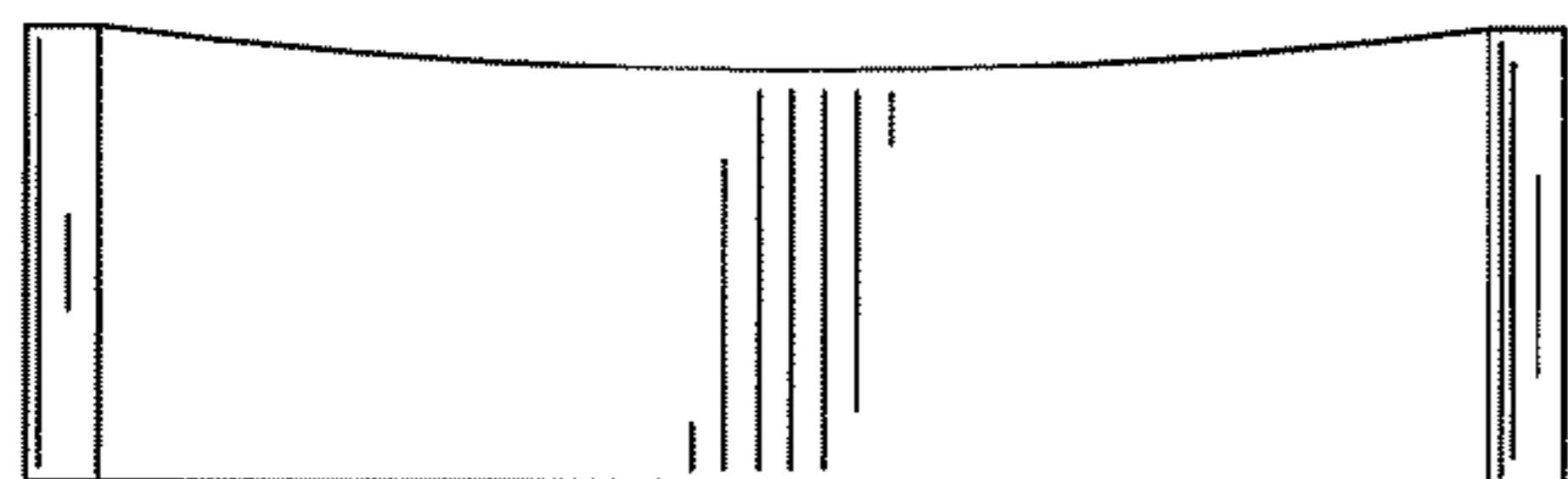


FIG. 7

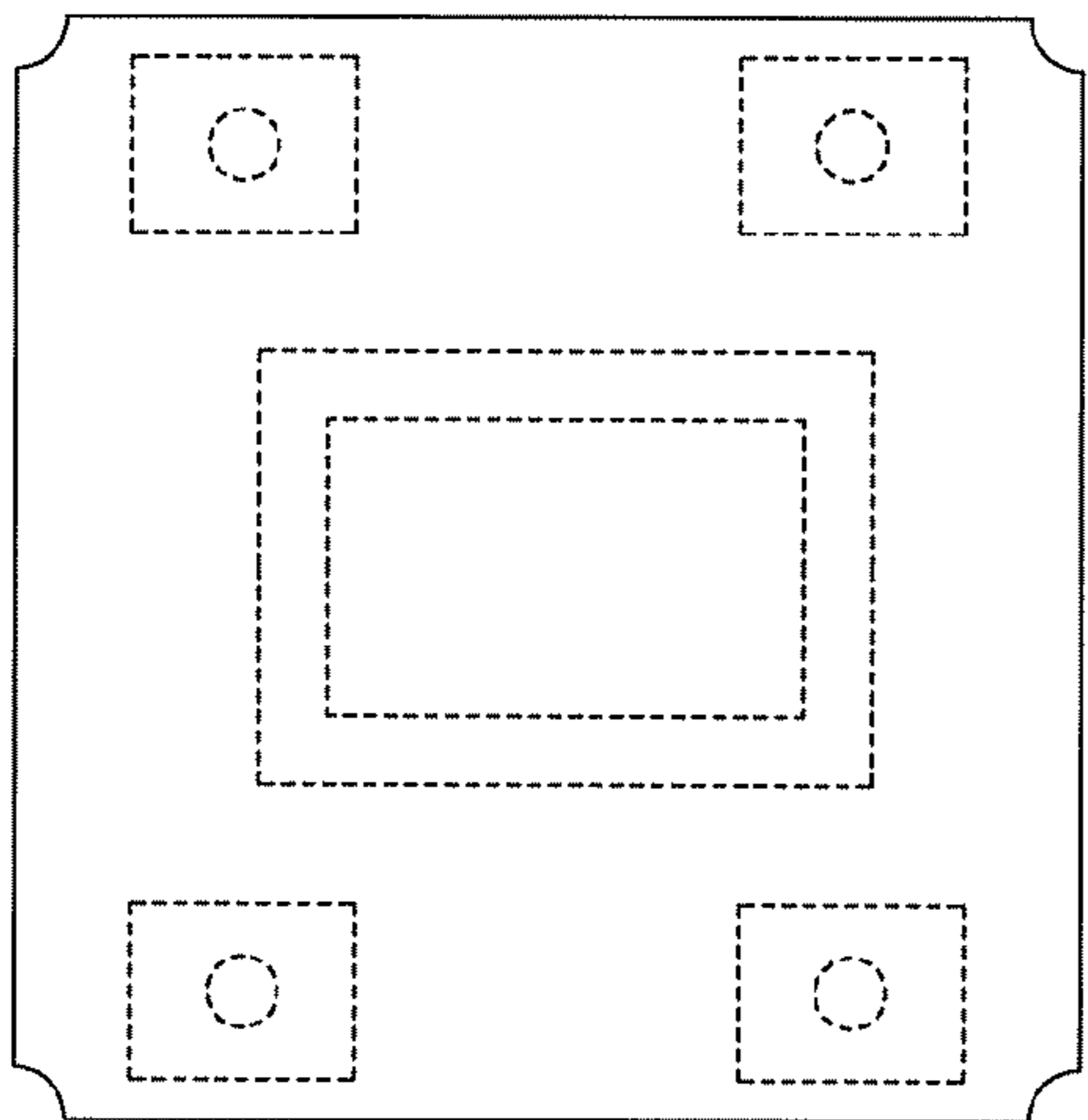


FIG. 5

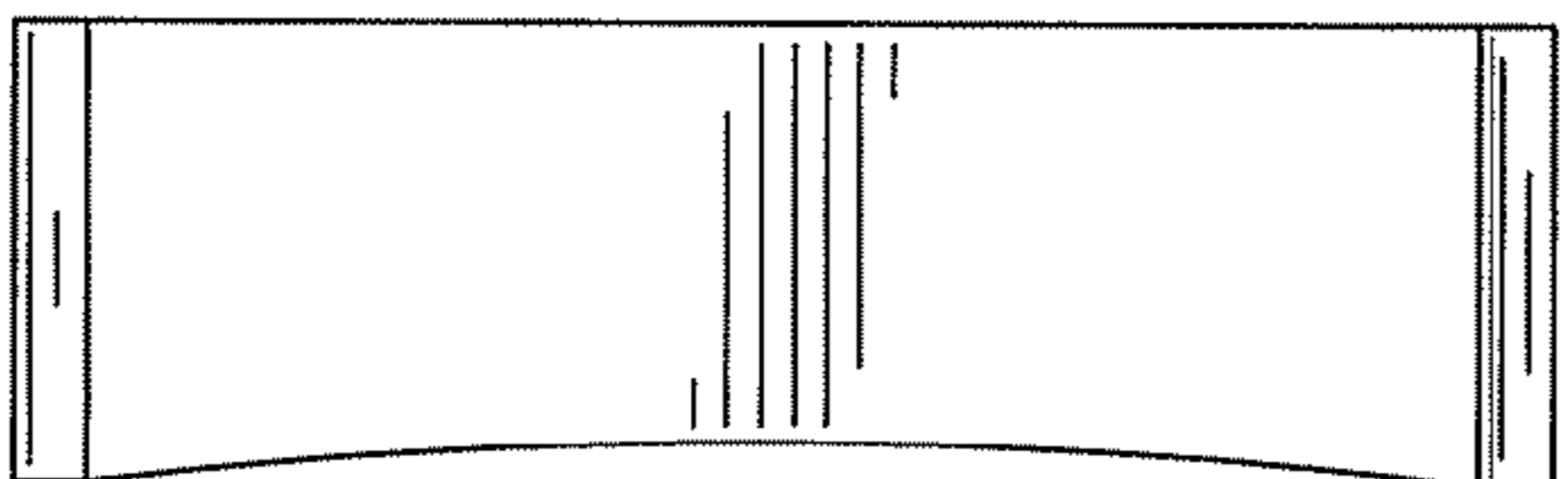


FIG. 6

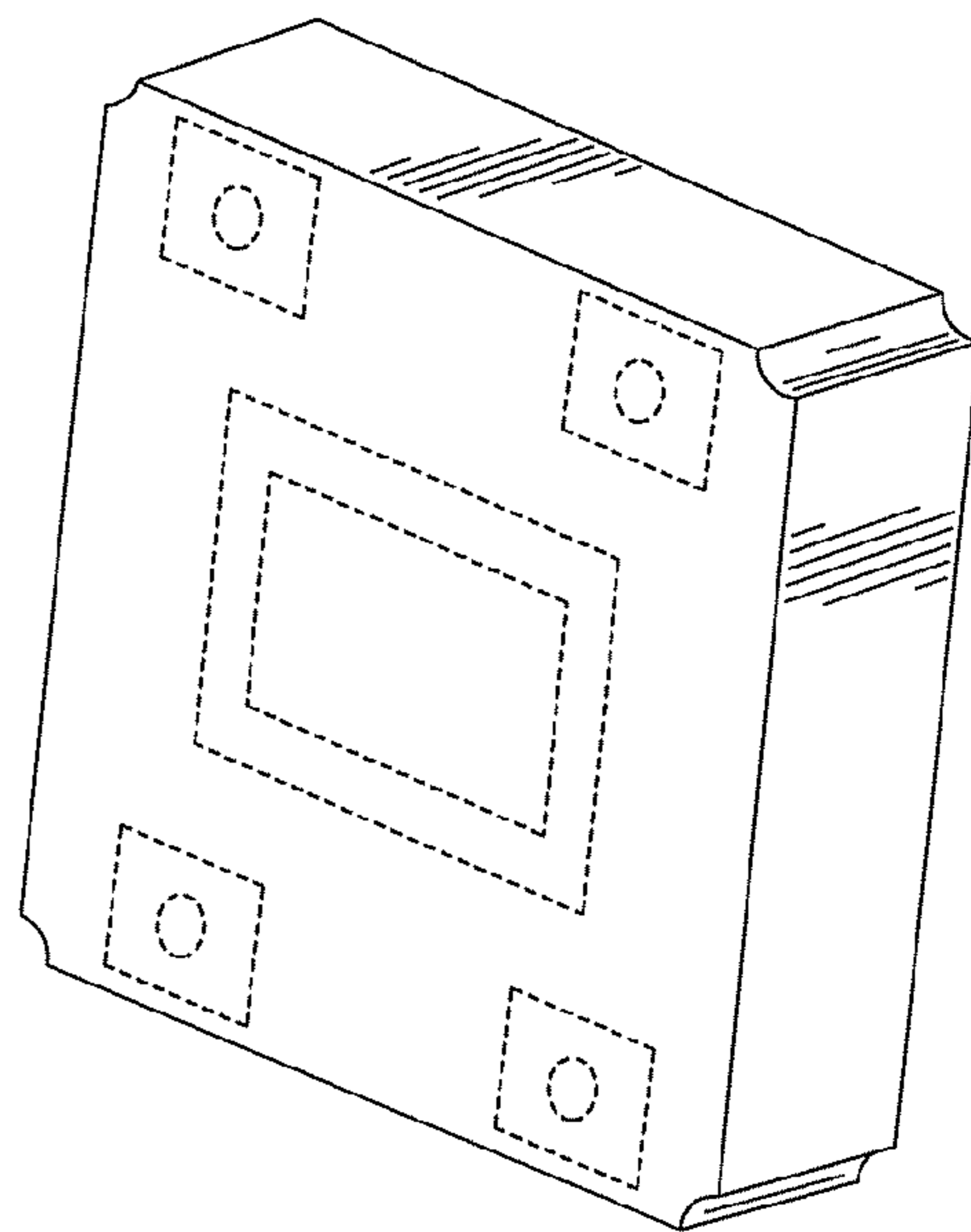


FIG. 8