

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)

(75) Inventors: **Sung Chul Joo**, Raleigh, NC (US);
Christopher P. Hussell, Cary, NC (US)

FOREIGN PATENT DOCUMENTS

(73) Assignee: **Cree, Inc.**, Durham, NC (US)

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

(74) *Attorney, Agent, or Firm* — Jenkins, Wilson, Taylor & Hunt, P.A.

(57) **CLAIM**

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

(56) **References Cited**

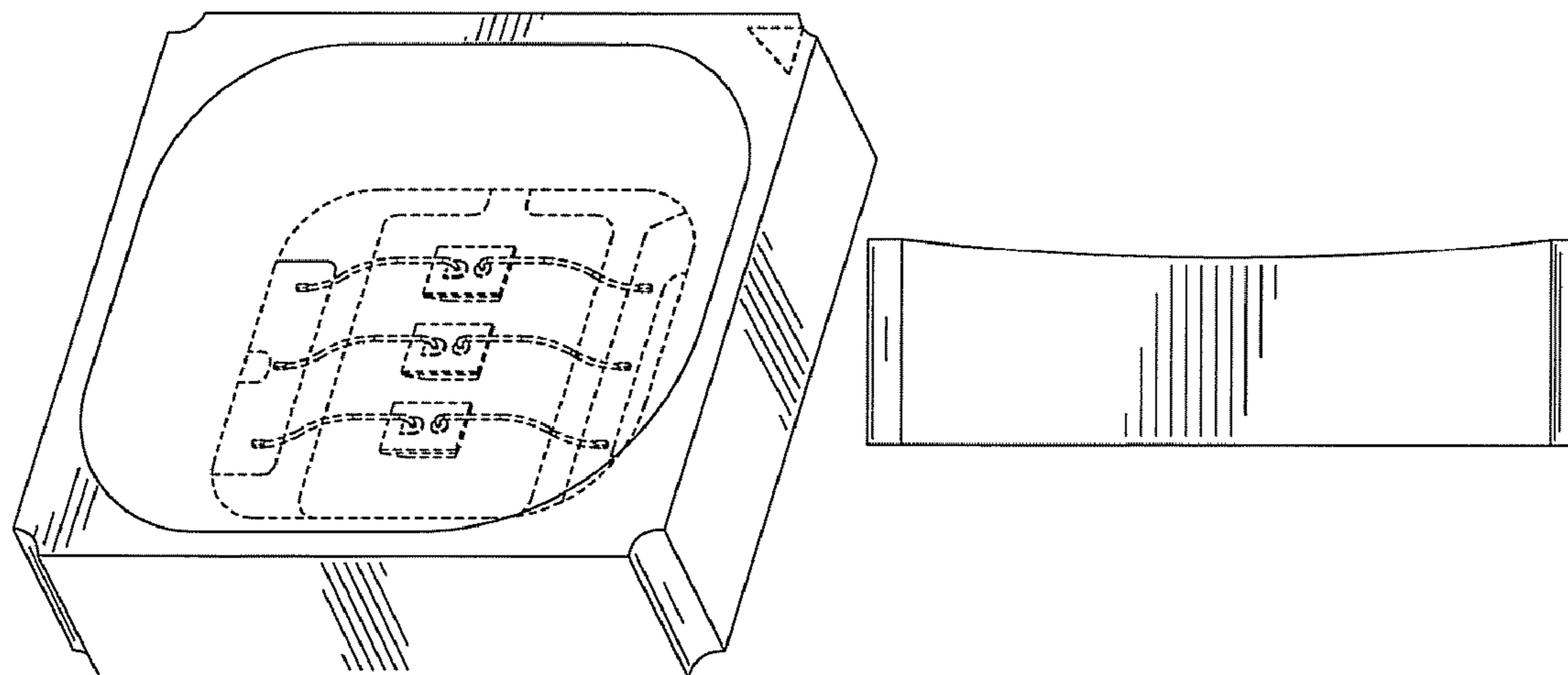
DESCRIPTION

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



US D643,819 S

Page 2

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

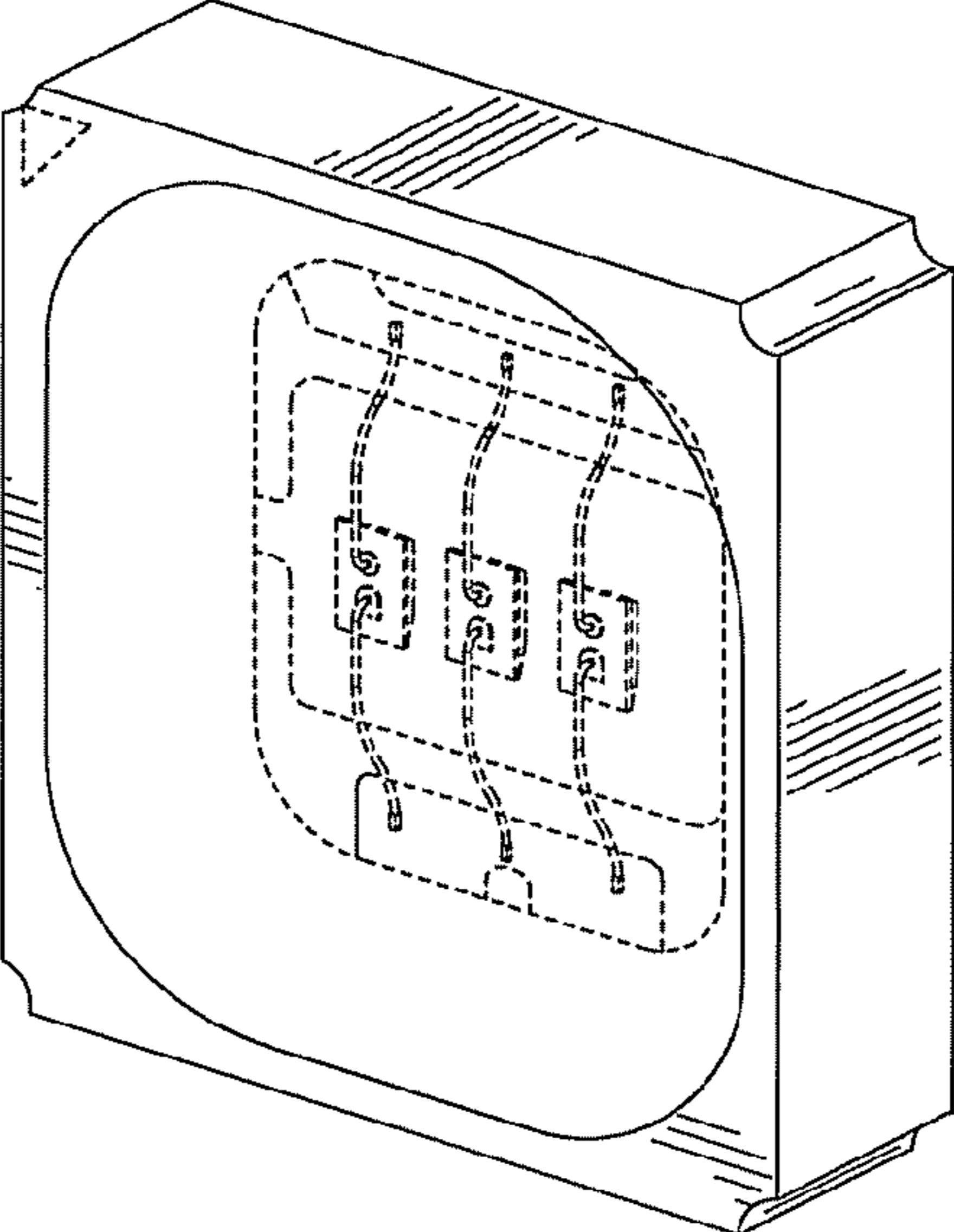


FIG. 1

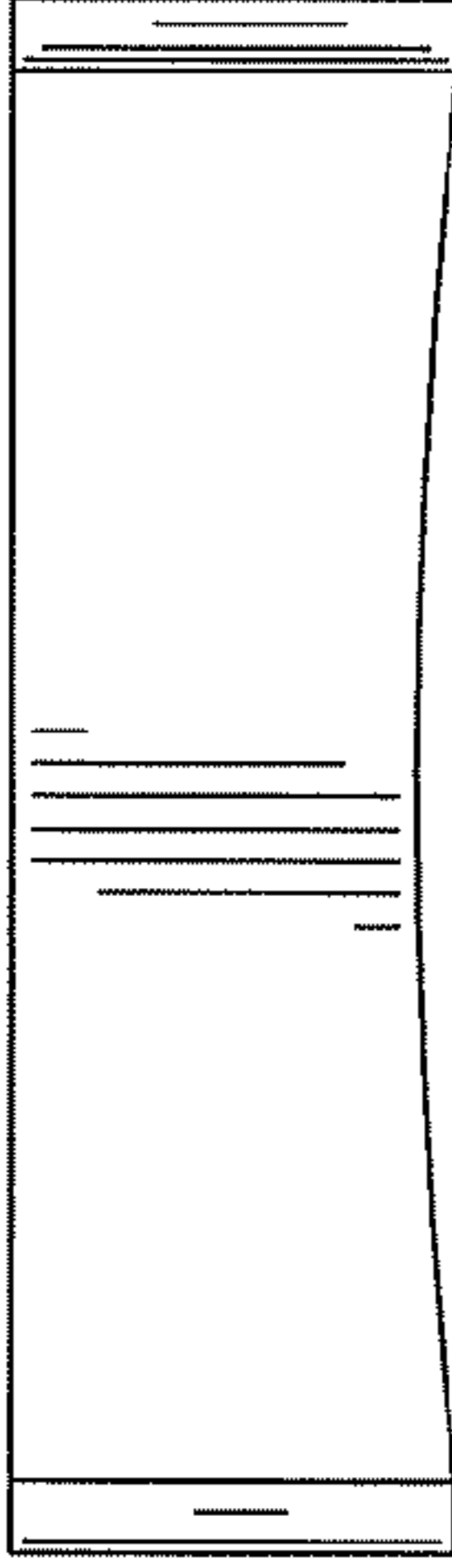


FIG. 3

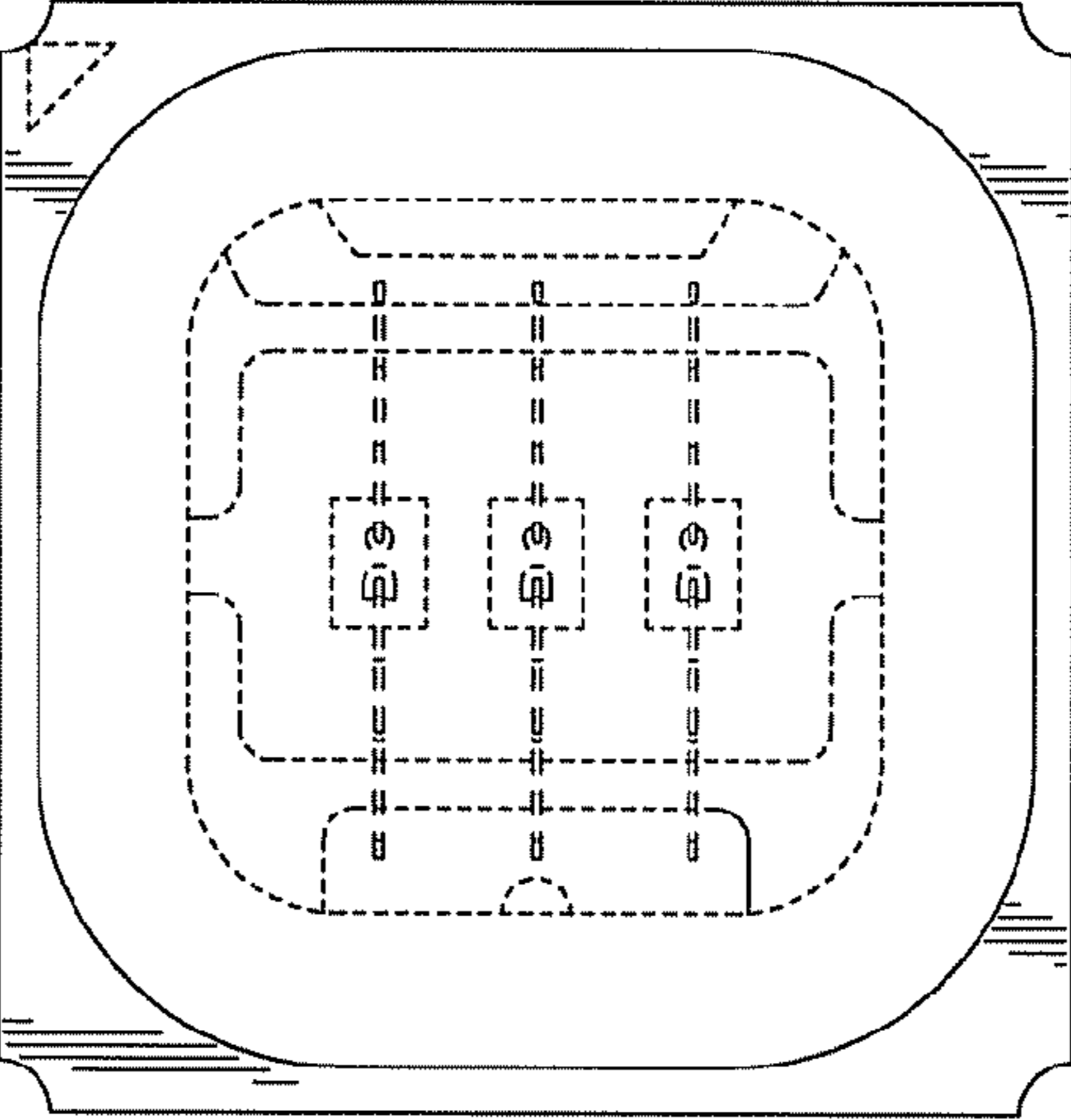


FIG. 2

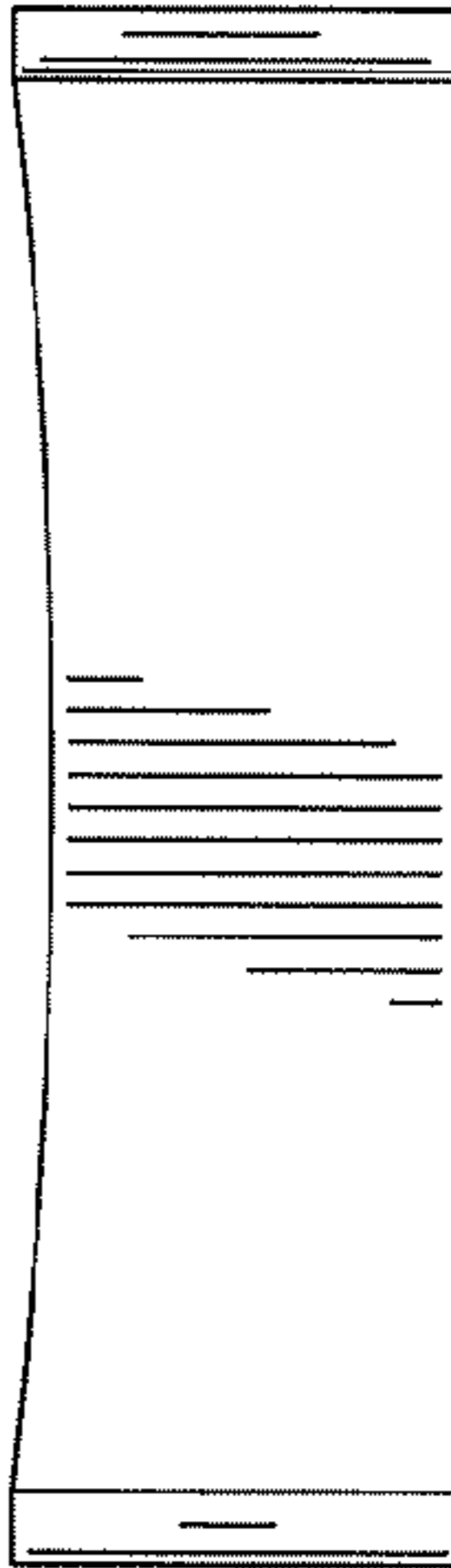


FIG. 4

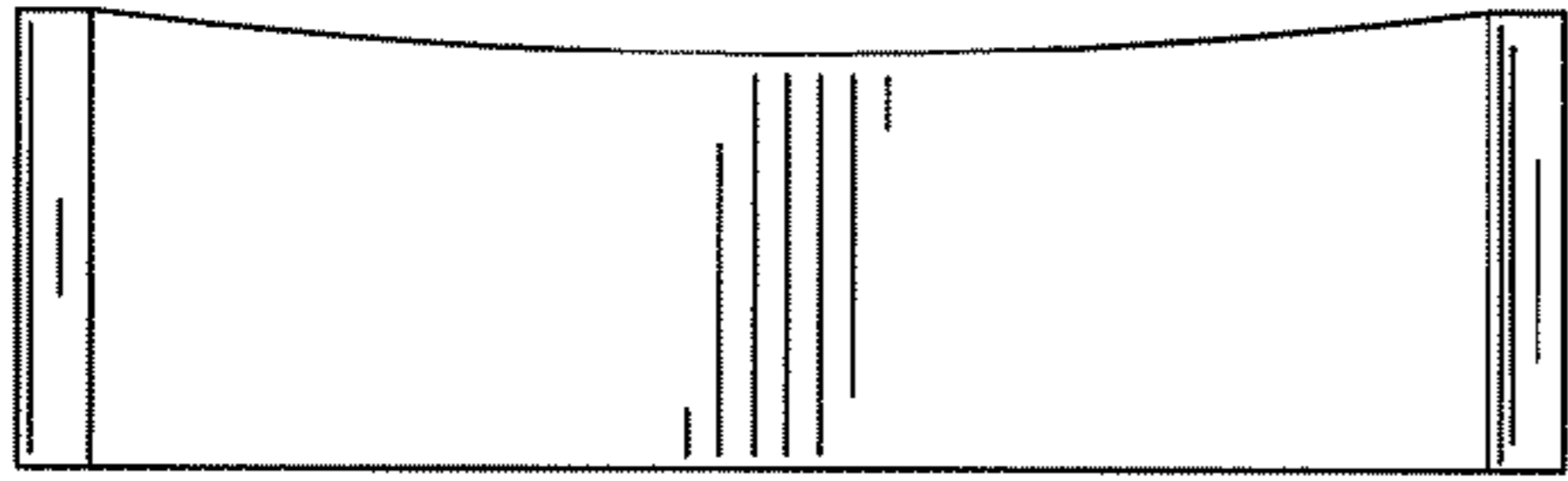


FIG. 7

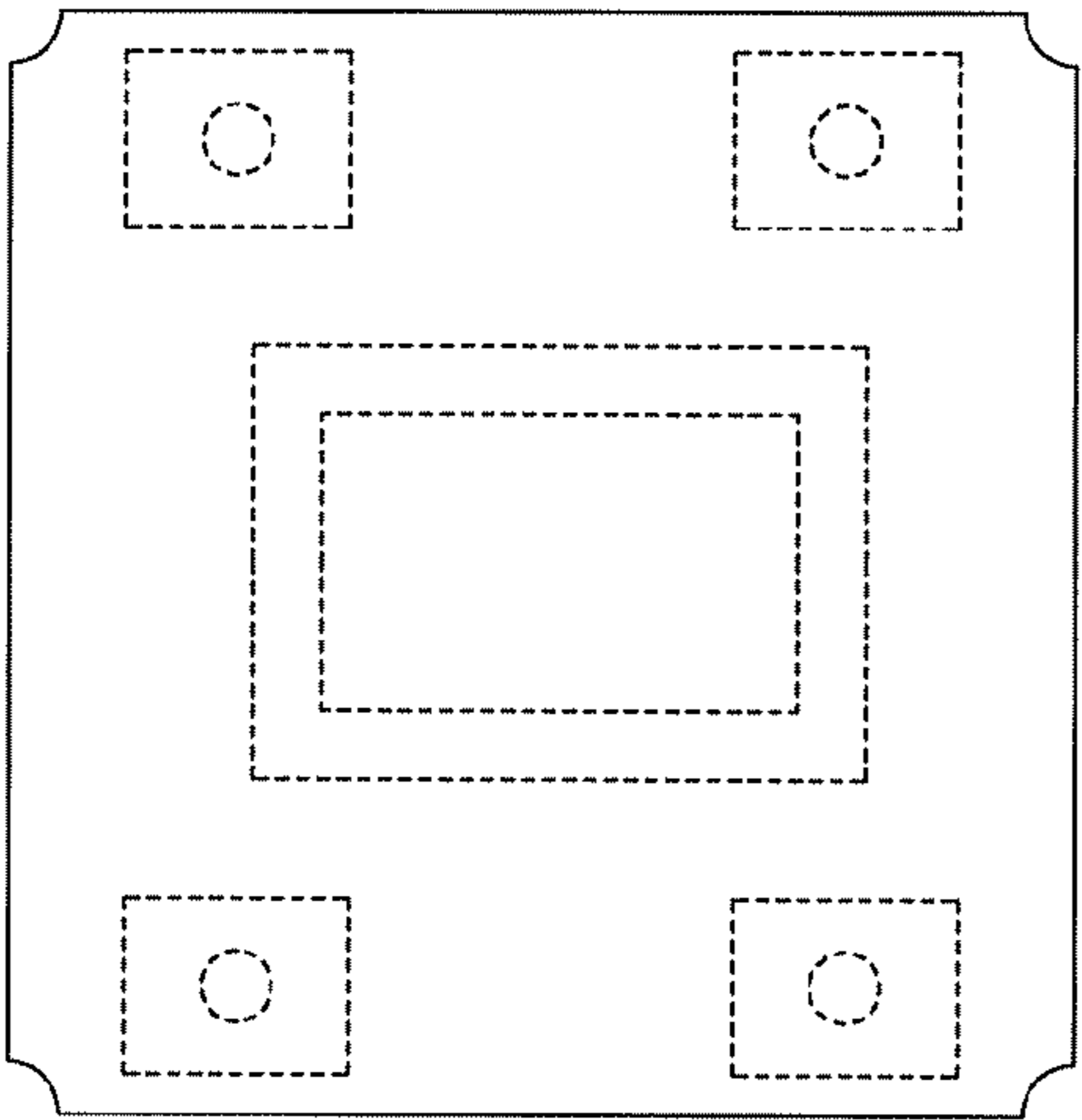


FIG. 5

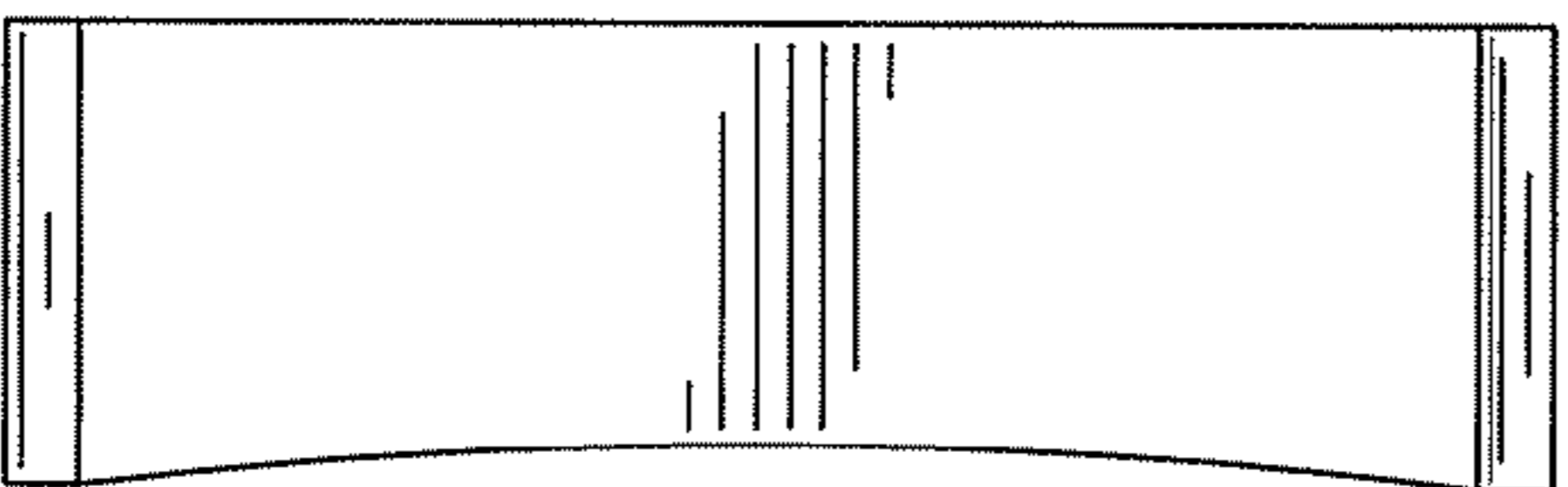


FIG. 6

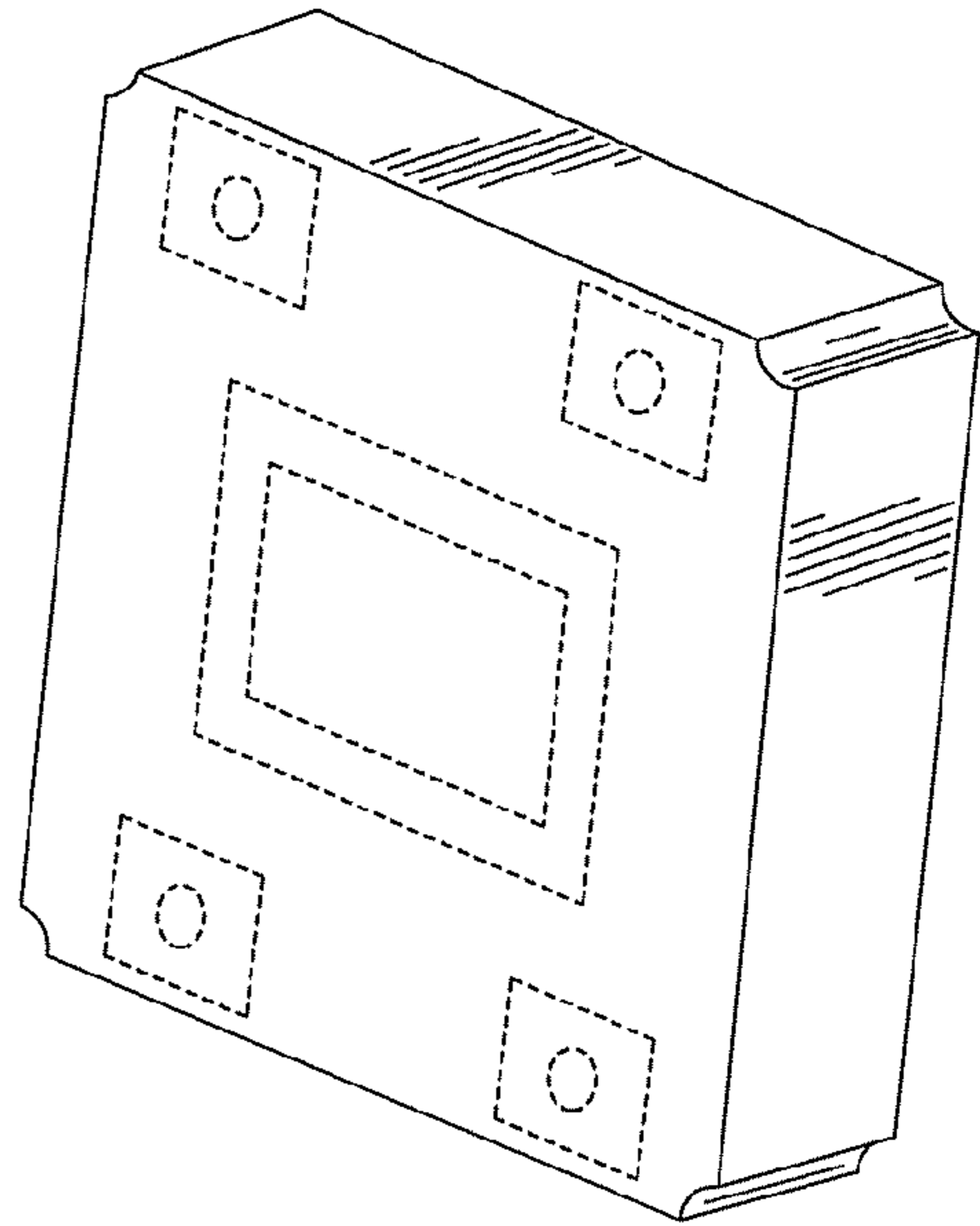


FIG. 8