



US00D648687S

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

(10) **Patent No.:** **US D648,687 S**  
(45) **Date of Patent:** **\*\* Nov. 15, 2011**

(54) **LIGHT EMITTING DEVICE PACKAGE**  
(75) Inventors: **Sung Chul Joo**, Raleigh, NC (US);  
**Christopher P. Hussell**, Cary, NC (US)

7,462,870 B2 12/2008 Nakashima  
D584,699 S 1/2009 Bando  
D594,827 S 6/2009 Loh et al.  
D595,675 S 7/2009 Wang et al.  
(Continued)

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

**FOREIGN PATENT DOCUMENTS**

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

CN 200930286397.5 10/2010  
(Continued)

(21) Appl. No.: **29/380,549**

**OTHER PUBLICATIONS**

(22) Filed: **Dec. 7, 2010**

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

**Related U.S. Application Data**

(Continued)

(63) Continuation-in-part of application No. 29/338,186, filed on Jun. 5, 2009, now Pat. No. Des. 641,719.

*Primary Examiner* — Selina Sikder

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

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

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

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

(57) **CLAIM**

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

(56) **References Cited**

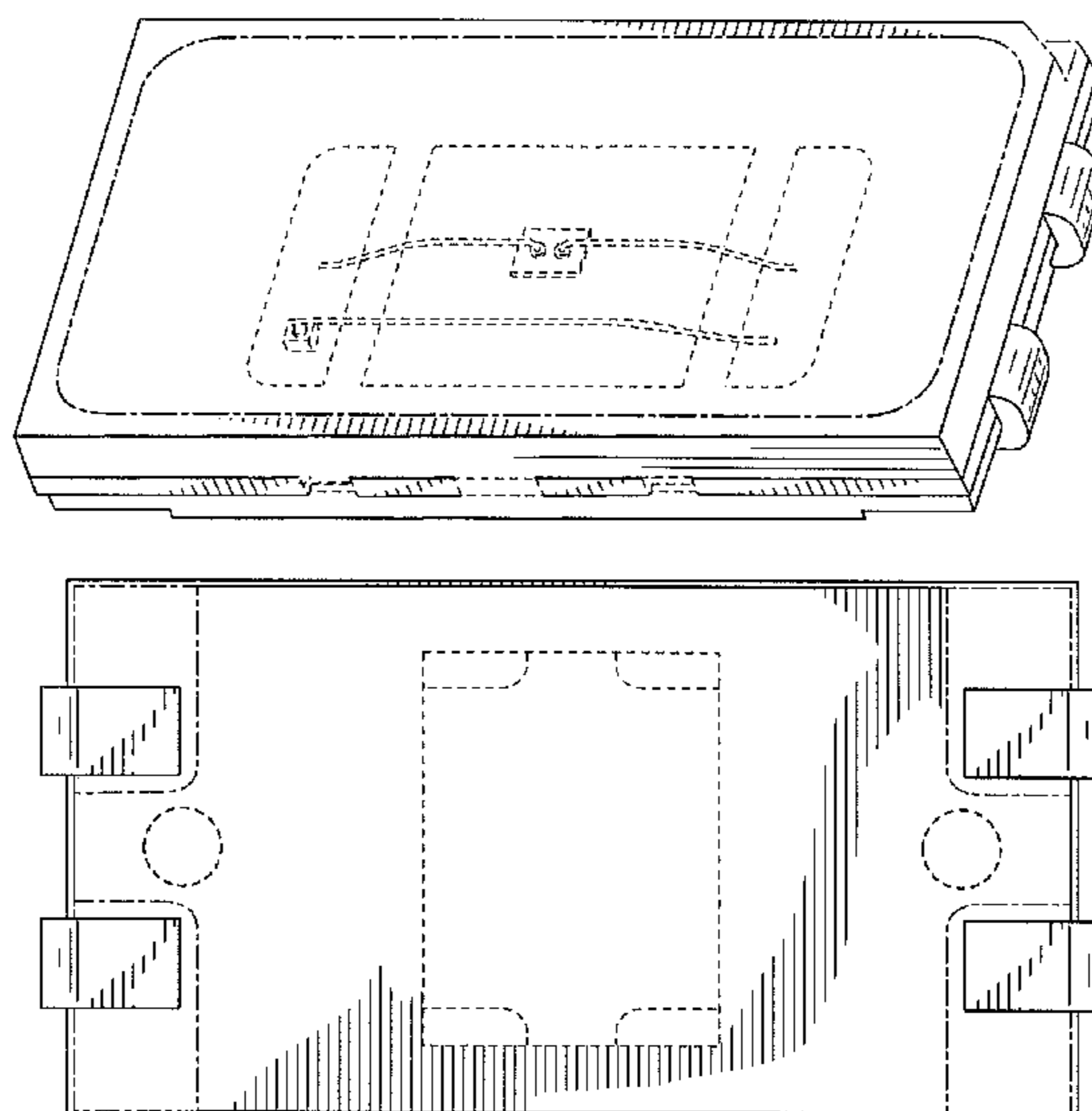
**DESCRIPTION**

**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
7,081,661	B2	7/2006	Takehara et al.
7,224,047	B2	5/2007	Carberry et al.
7,244,965	B2	7/2007	Andrews et al.
7,249,790	B2	7/2007	Potts et al.
D566,055	S	4/2008	Kim
D573,113	S	7/2008	Bando
D573,114	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.
7,456,499	B2	11/2008	Loh

FIG. 1 is a perspective view of a light emitting device package showing our design;  
FIG. 2 is a top view thereof;  
FIG. 3 is a front side view thereof;  
FIG. 4 is a rear side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a left side view thereof;  
FIG. 7 is a bottom view thereof; and,  
FIG. 8 is a bottom perspective view thereof.  
The dash-dot broken lines define the bounds of the claimed design and form no part thereof. The dot-dot broken line showing of the light emitting device package is for the purpose of illustrating environmental structure and forms no part of the claimed design.

**1 Claim, 2 Drawing Sheets**



U.S. PATENT DOCUMENTS

7,564,180	B2	7/2009	Brandes	
D597,971	S	8/2009	Kobayakawa et al.	
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.	
D621,799	S	8/2010	Hussell et al.	
D622,680	S	* 8/2010	Lin et al.	D13/180
D626,095	S	* 10/2010	Hsieh	D13/180
D627,310	S	* 11/2010	Lin et al.	D13/180
D628,541	S	* 12/2010	Lin	D13/180
D632,267	S	* 2/2011	Chen et al.	D13/180
D632,659	S	* 2/2011	Hsieh	D13/180
D634,284	S	* 3/2011	Ko et al.	D13/180
D634,285	S	* 3/2011	Ko et al.	D13/180
D634,286	S	* 3/2011	Ko et al.	D13/180
D635,527	S	4/2011	Hussell et al.	
7,923,739	B2	4/2011	Hussell	
2002/0004251	A1	1/2002	Roberts et al.	
2004/0126913	A1	7/2004	Loh	
2006/0175716	A1	8/2006	Nakashima	
2006/0220050	A1	10/2006	Higaki et al.	
2007/0075325	A1	4/2007	Baek et al.	
2008/0006837	A1	1/2008	Park et al.	
2008/0185605	A1	8/2008	Wada et al.	
2008/0258162	A1	10/2008	Koung et al.	
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

EM	001242234	1/2001
JP	D1102760	3/2001
JP	2008-091792	4/2008
JP	2008-103480	5/2008
KR	1020070000130	A 1/2007
KR	1020090003378	A 1/2009
WO	WO 2007/126720	11/2007

OTHER PUBLICATIONS

Description Model No. NS6G083 issued by Nichia Corporation—at least as early as Aug. 31, 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.  
 Related U.S. Appl. No. 29/365,939, filed Jul. 16, 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 Nonpublication Request).  
 Notice of Allowance for U.S. Appl. No. 29/360,791 dated Dec. 22, 2010.  
 Notice of Allowance for U.S. Appl. No. 29/365,939 dated Dec. 27, 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.  
 Supplemental Notice of Allowability for U.S. Appl. No. 12/479,318 dated Apr. 5, 2011.  
 Japanese Office Action for JP2010-026185 dated Apr. 5, 2011.  
 Notice of Allowance for U.S. Appl. No. 29/360,791 dated Apr. 12, 2011.  
 Notice of Allowance for U.S. Appl. No. 29/365,939 dated Apr. 12, 2011.  
 \* cited by examiner

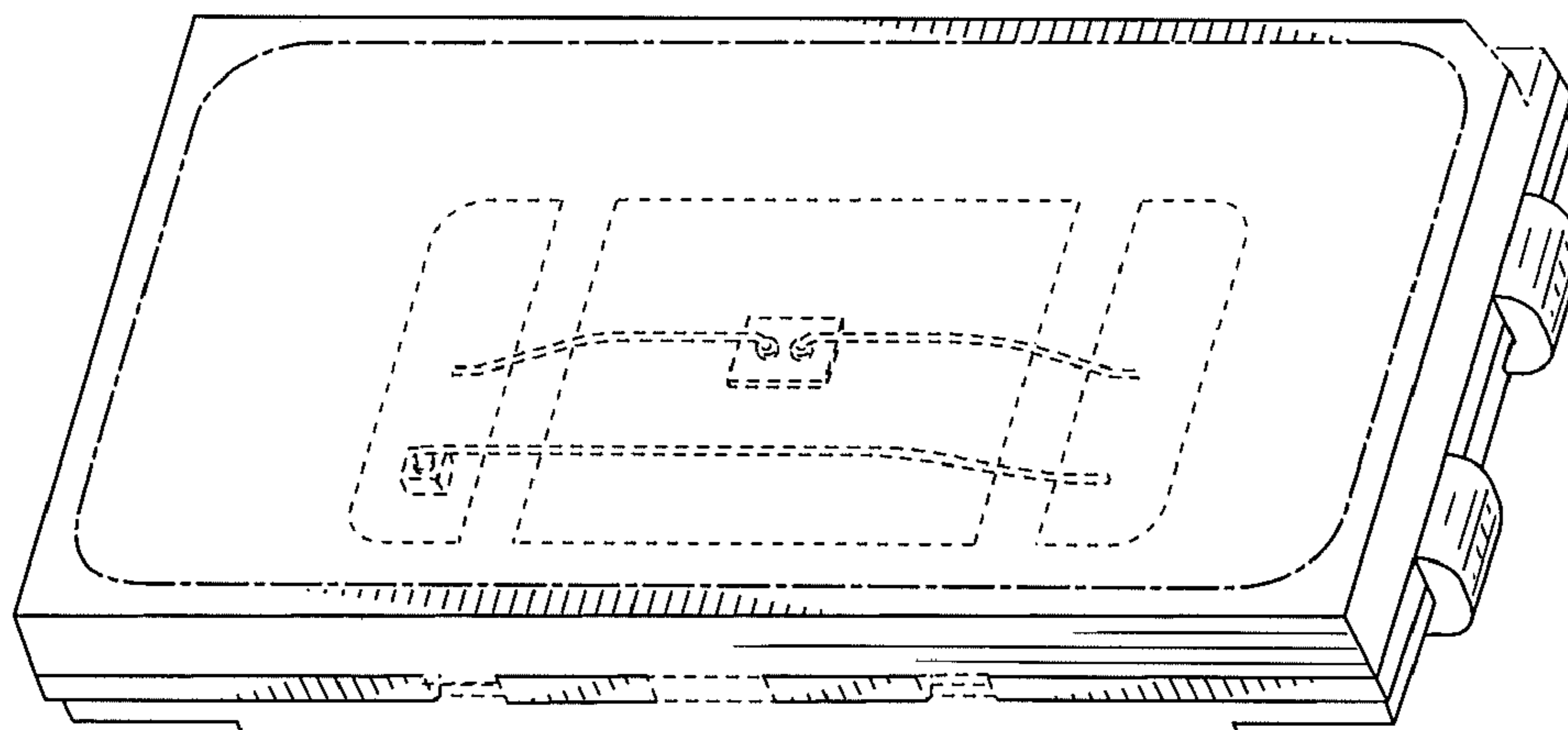


FIG. 1

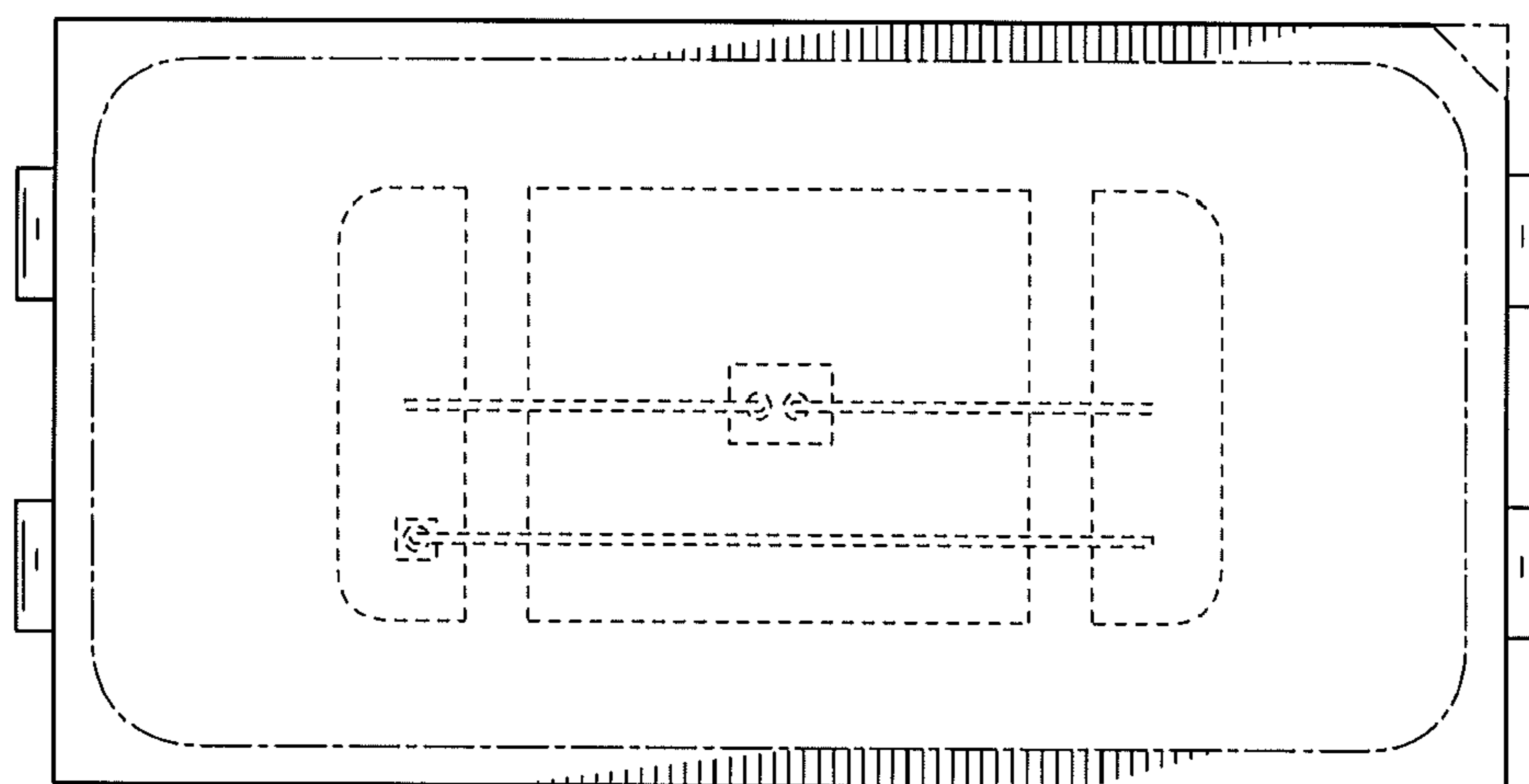


FIG. 2

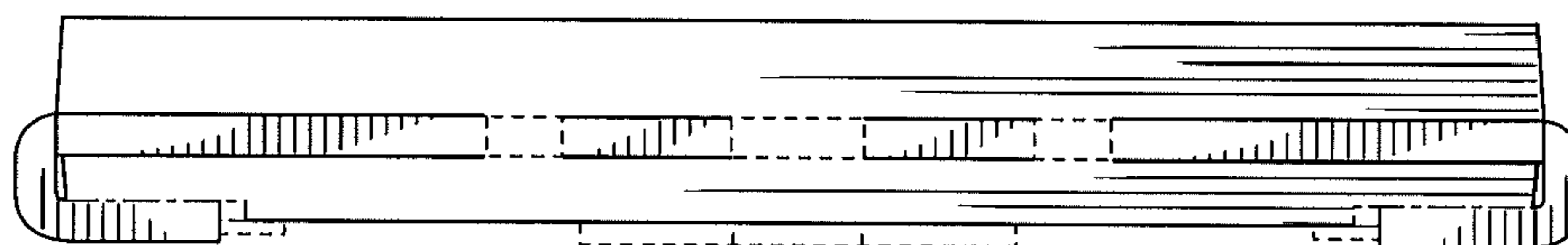


FIG. 3

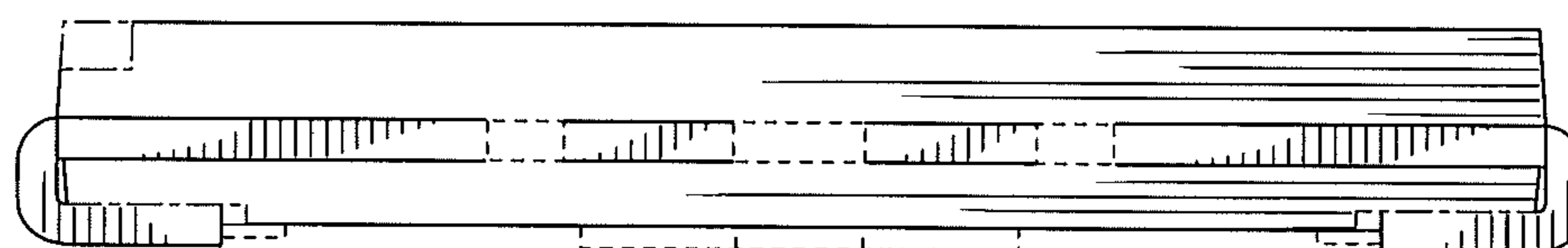


FIG. 4





FIG. 5

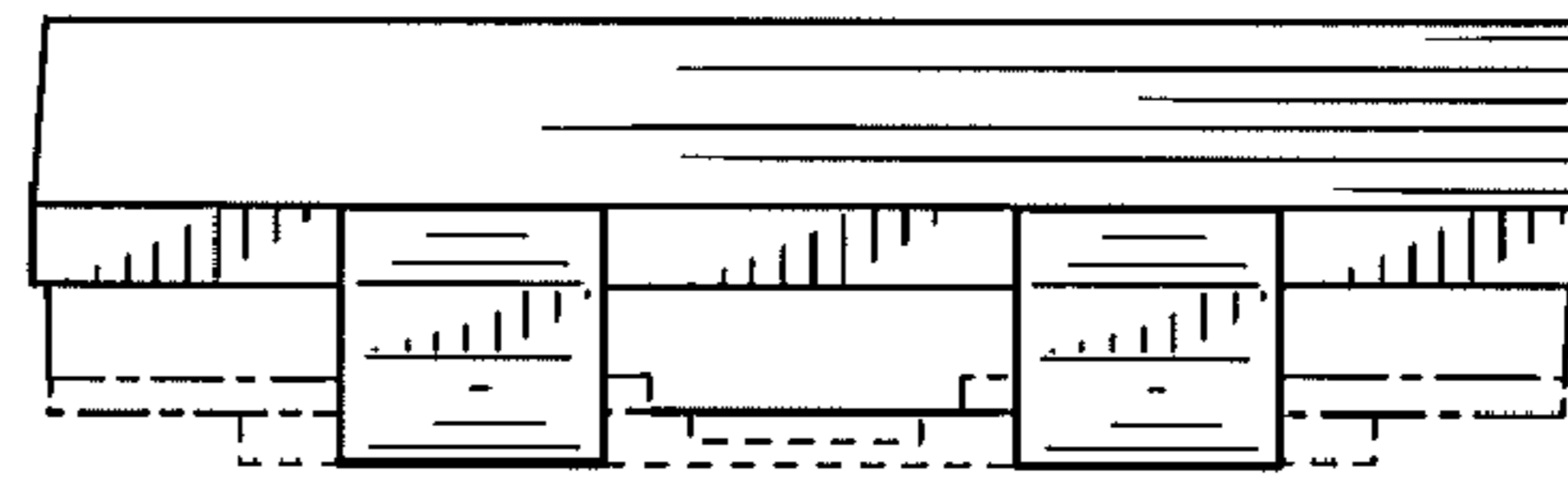


FIG. 6

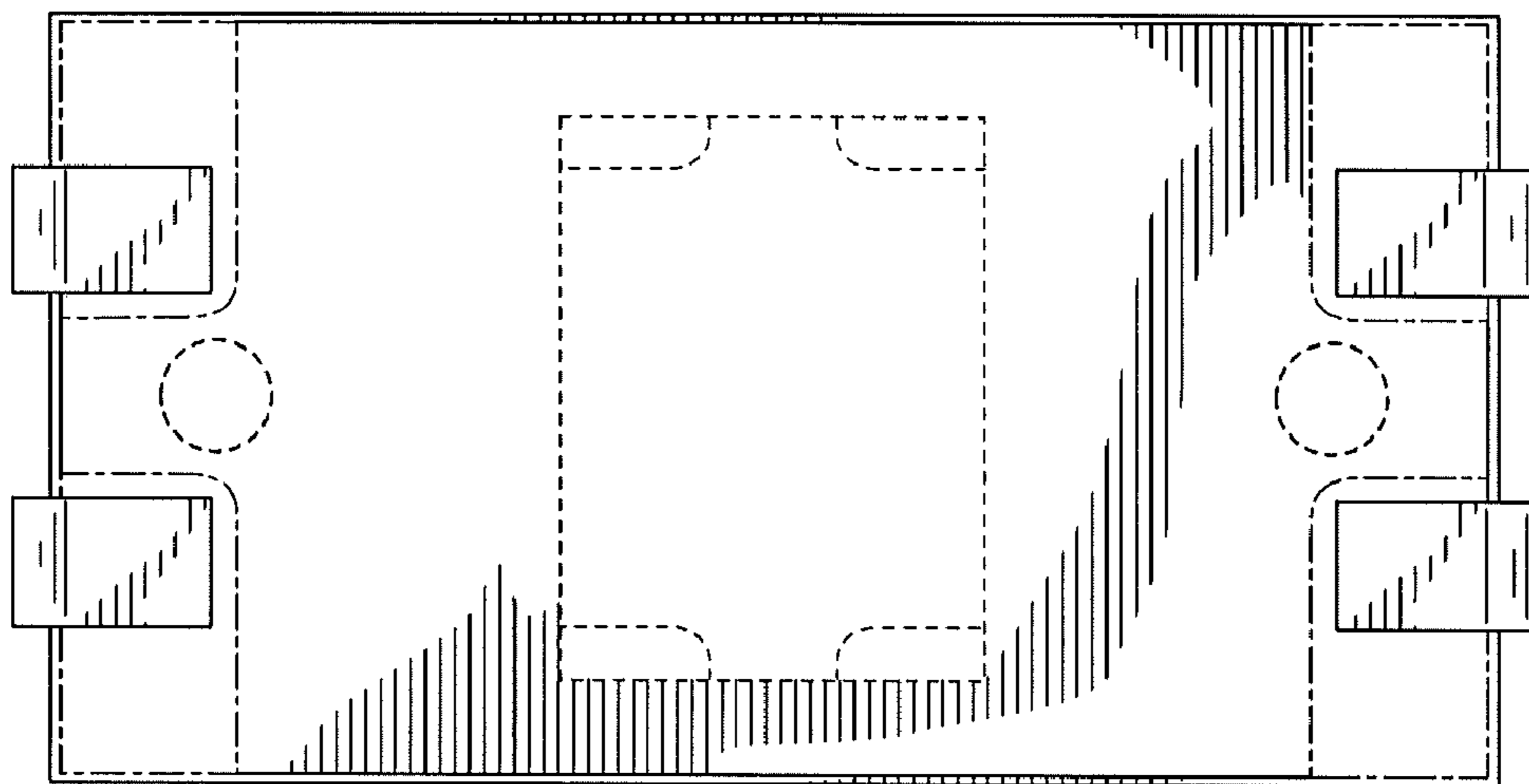


FIG. 7

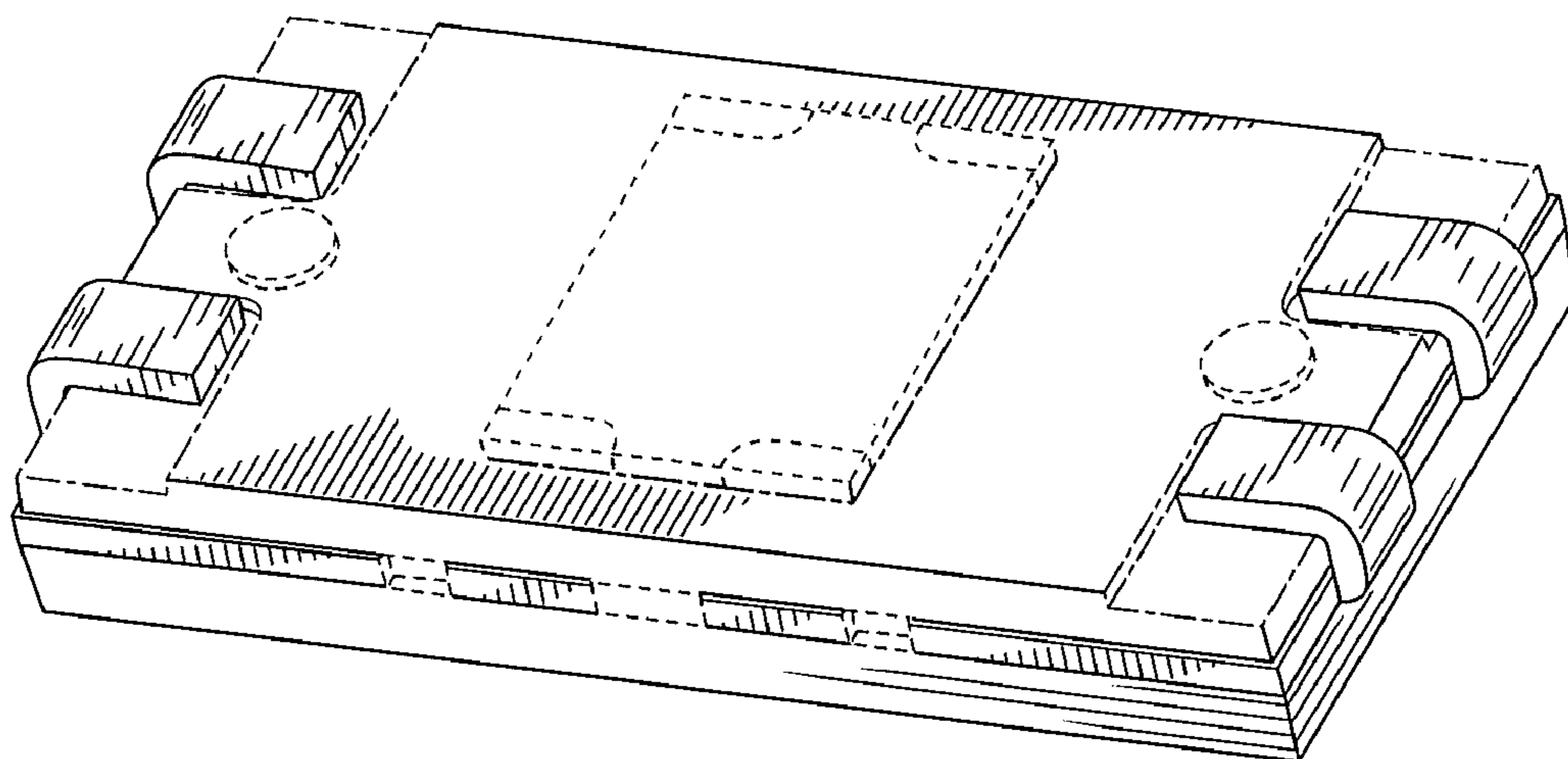


FIG. 8