



US00D689030S

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

(10) **Patent No.:** **US D689,030 S**
(45) **Date of Patent:** **** Sep. 3, 2013**

(54) **PORTION OF SUBSTRATE FOR LED PACKAGE**

(75) Inventors: **Bong Kul Min**, Seoul (KR); **Gyu Hyeong Bak**, Seoul (KR)

(73) Assignee: **LG Innotek Co., Ltd.**, Seoul (KR)

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

(21) Appl. No.: **29/407,190**

(22) Filed: **Nov. 23, 2011**

(30) **Foreign Application Priority Data**

May 24, 2011 (KR) 30-2011-0020938

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

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

(58) **Field of Classification Search**
USPC D13/180; D26/1, 2; 257/79, 80,
257/81, 88, 89, 95, 98, 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

D454,535	S	*	3/2002	Kemp, Jr.	.....	D12/583
D622,211	S	*	8/2010	Maus et al.	.....	D12/579
D622,680	S	*	8/2010	Lin et al.	.....	D13/180
D627,310	S	*	11/2010	Lin et al.	.....	D13/180
D634,284	S	*	3/2011	Ko et al.	.....	D13/180
D634,285	S	*	3/2011	Ko et al.	.....	D13/180
D638,353	S	*	5/2011	Yonetsu	.....	D12/583
D638,378	S	*	5/2011	Ko et al.	.....	D13/180
D640,994	S	*	7/2011	Lin et al.	.....	D13/180
D640,995	S	*	7/2011	Lin et al.	.....	D13/180
D640,996	S	*	7/2011	Lee et al.	.....	D13/180
D644,617	S	*	9/2011	Nishino et al.	.....	D13/180
D645,425	S	*	9/2011	Lin et al.	.....	D13/180
D656,106	S	*	3/2012	Hsu	.....	D13/180

D656,468	S	*	3/2012	Park et al.	.....	D13/180
D664,105	S	*	7/2012	Hsu	.....	D13/180
D664,108	S	*	7/2012	Wang	.....	D13/180
D664,109	S	*	7/2012	Wang	.....	D13/180
D664,110	S	*	7/2012	Min et al.	.....	D13/180
2007/0096114	A1	*	5/2007	Aoki et al.	.....	257/79
2009/0151092	A1	*	6/2009	Bender	.....	8/487
2010/0102348	A1	*	4/2010	Lin	.....	257/98
2010/0200276	A1	*	8/2010	Karikalan	.....	174/250
2011/0127566	A1	*	6/2011	Yoon	.....	257/99
2011/0186873	A1	*	8/2011	Emerson	.....	257/88
2011/0211348	A1	*	9/2011	Kim	.....	362/235
2011/0241030	A1	*	10/2011	Kim	.....	257/88
2011/0284900	A1	*	11/2011	Kim	.....	257/98
2012/0007111	A1	*	1/2012	Lee et al.	.....	257/88
2012/0074451	A1	*	3/2012	Lin	.....	257/99
2012/0153327	A1	*	6/2012	Kim et al.	.....	257/98

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

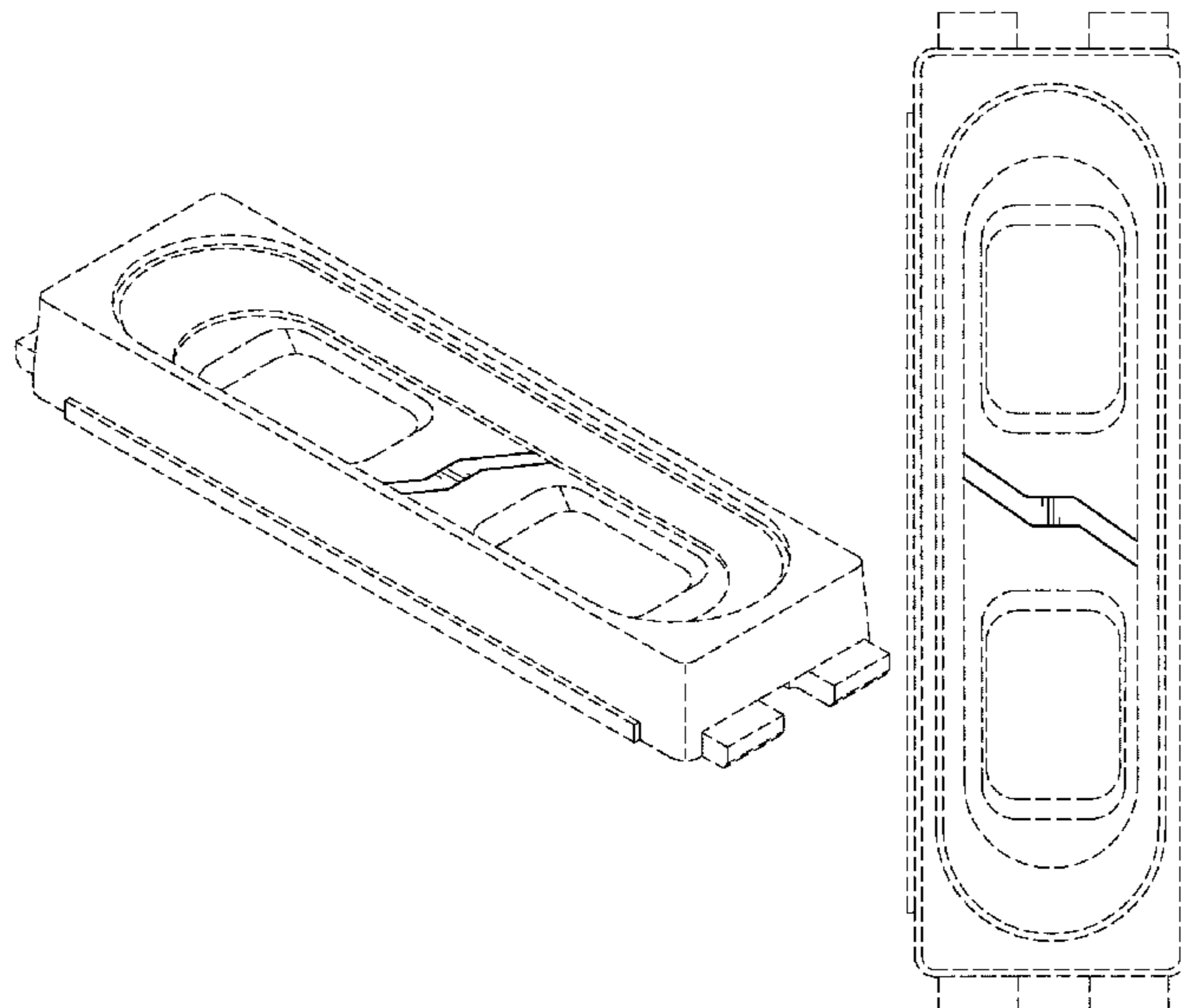
(57) **CLAIM**

The ornamental design for a portion of substrate for LED package, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the portion of substrate for LED package showing our new design; FIG. 2 is a front view thereof, the rear view being a mirror image thereof; FIG. 3 is a left side view thereof, the right side view being a mirror image thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; and, FIG. 6 is a cross-sectional reference view thereof through VI-VI of FIG. 2. The broken lines shown are included for the purpose of illustrating the unclaimed portions of the article and form no part of the claim.

1 Claim, 3 Drawing Sheets



US D689,030 S

Page 2

(56)

References Cited

				2012/0211789	A1*	8/2012	Lee et al.	.....	257/98
				2012/0223343	A1*	9/2012	Kang et al.	.....	257/88
				2012/0305976	A1*	12/2012	Bak et al.	.....	257/99
	U.S. PATENT DOCUMENTS								
	2012/0161180	A1*	6/2012	Komatsu et al.	.....				257/98
	2012/0168810	A1*	7/2012	Kobayashi et al.	.....				257/99

* cited by examiner

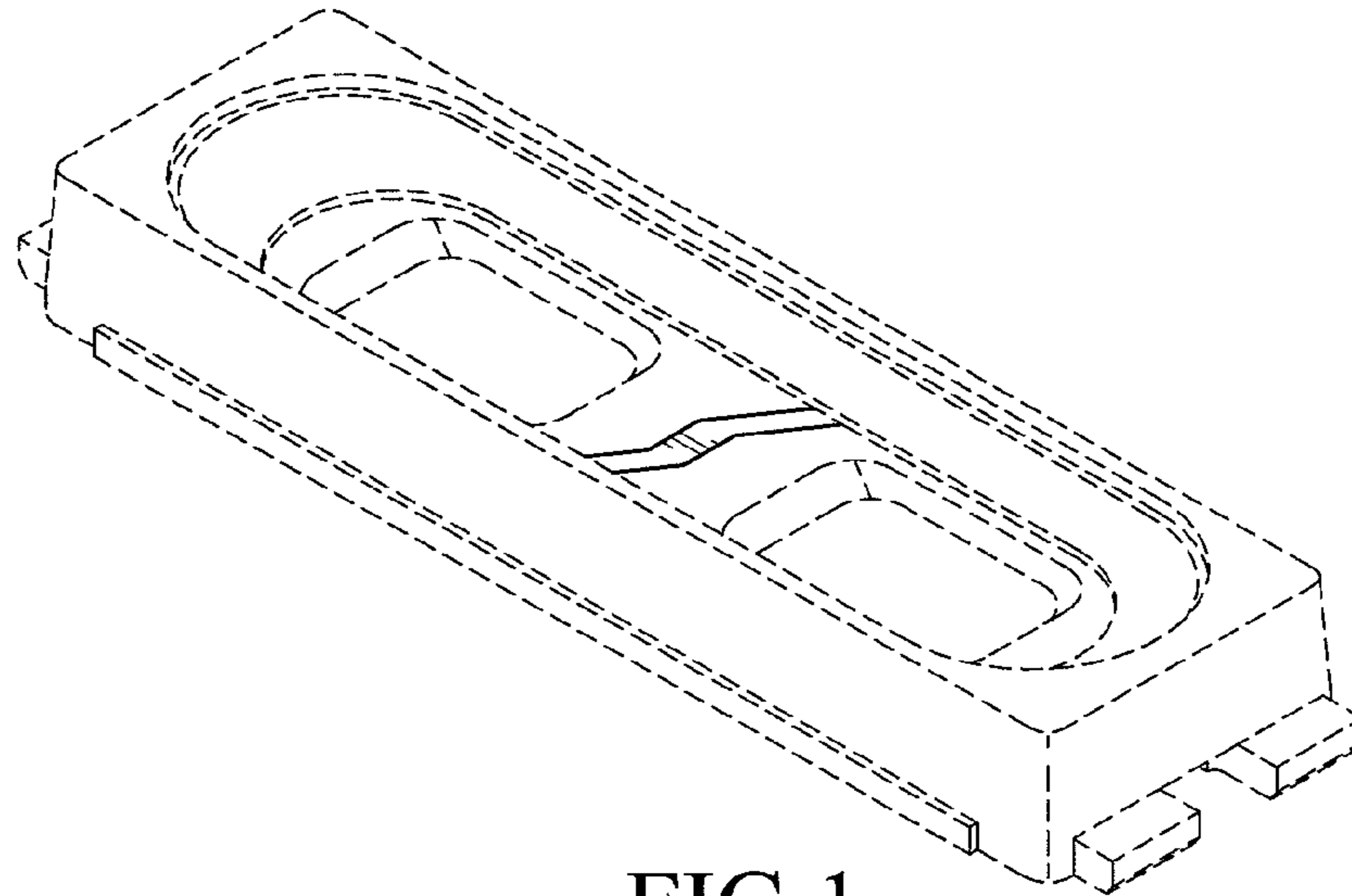


FIG. 1

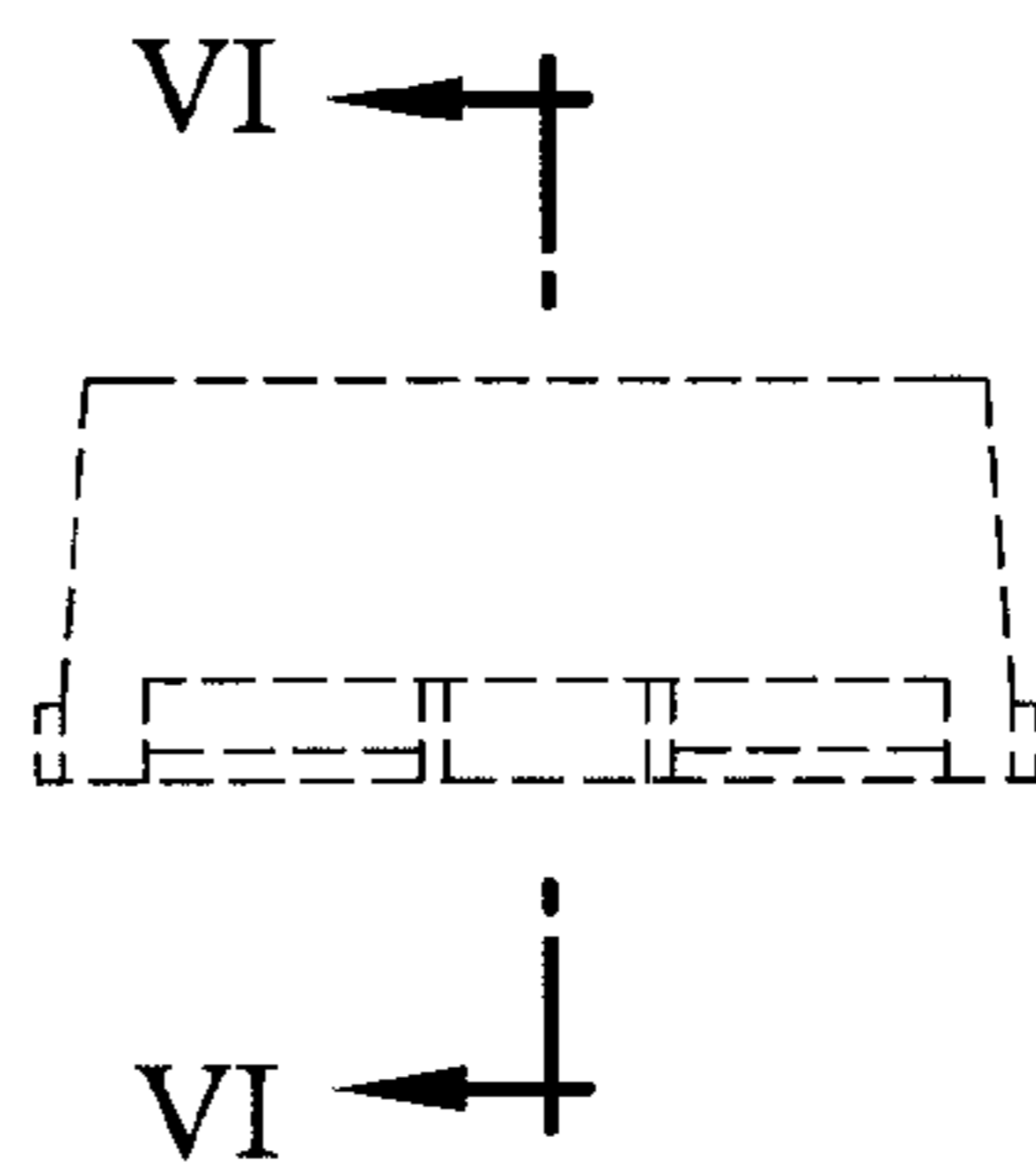


FIG. 2



FIG. 3

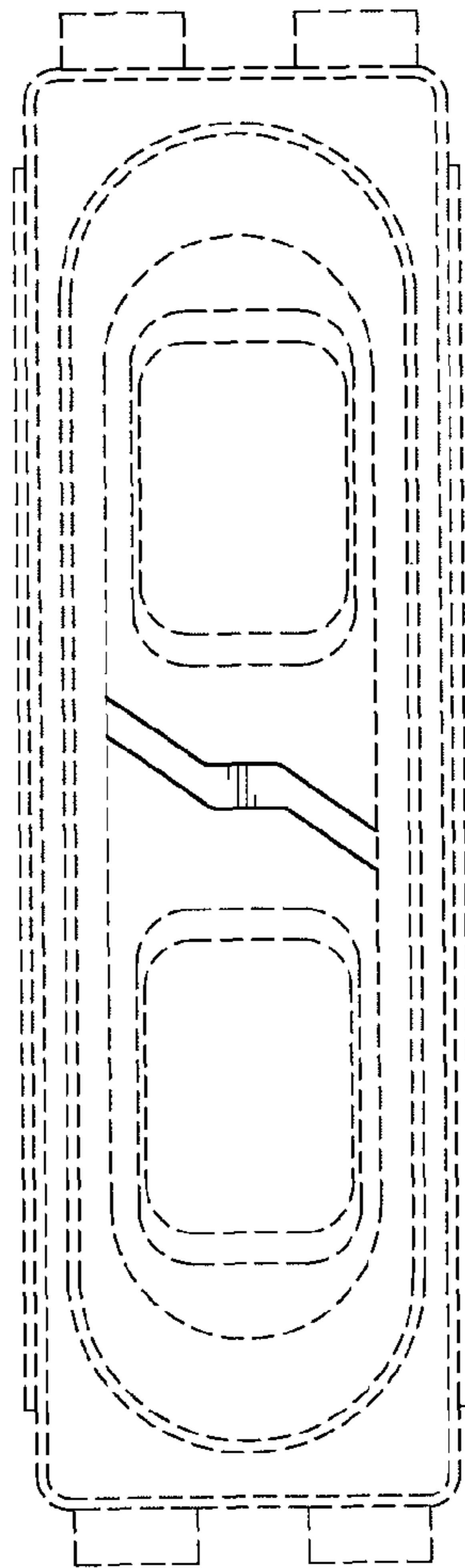


FIG.4

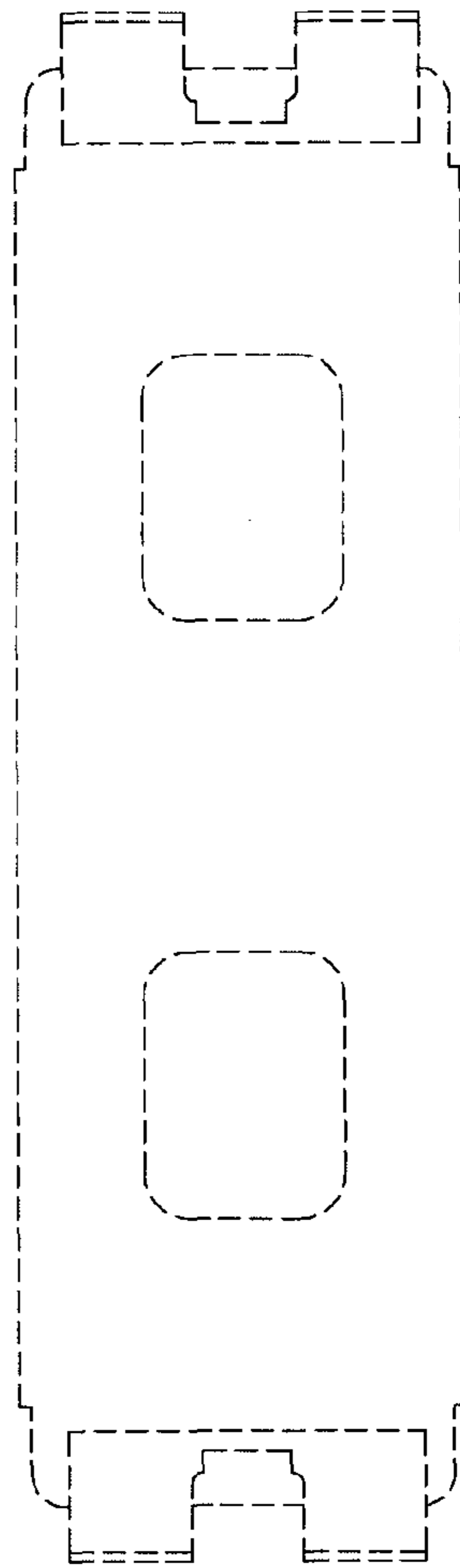


FIG.5

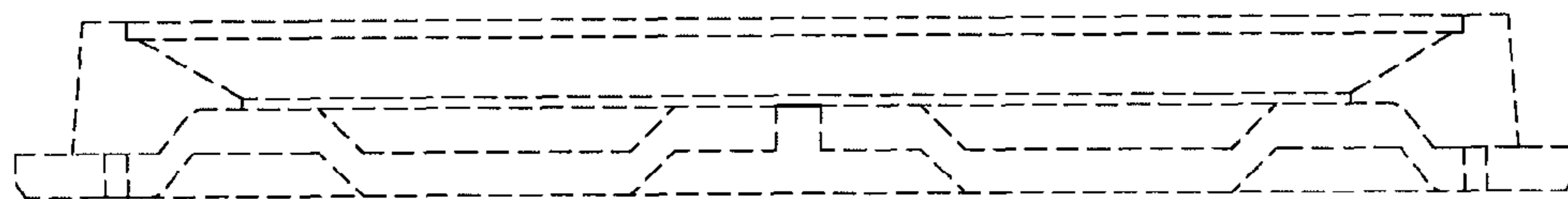


FIG.6