



US00D712849S

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

(10) **Patent No.:** **US D712,849 S**
(45) **Date of Patent:** **** Sep. 9, 2014**

(54) **LIGHT EMITTING DIODE (LED) PACKAGE
WITH MULTIPLE ANODES AND CATHODES**

(75) Inventors: **Jeffrey Carl Britt**, Cary, NC (US);
Michael P. Laughner, Cary, NC (US);
Brandon Stanton, Raleigh, NC (US)

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

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

(21) Appl. No.: **29/420,874**

(22) Filed: **May 14, 2012**
(Under 37 CFR 1.47)

(51) **LOC (10) Cl.** **13-03**

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

(58) **Field of Classification Search**
USPC D13/180; D26/1; 257/79, 80, 81, 88,
257/89, 95, 98, 99, 100, E33.058; 313/483,
313/498, 500; 362/555, 800
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D615,504	S	*	5/2010	Keller et al.	.....	D13/180
D628,965	S	*	12/2010	Kuwaharada et al.	.....	D13/180
D628,966	S	*	12/2010	Kuwaharada et al.	.....	D13/180
D631,020	S	*	1/2011	Chuang et al.	.....	D13/180
D636,741	S	*	4/2011	Kuwaharada et al.	.....	D13/180
D642,141	S	*	7/2011	Kuwaharada et al.	.....	D13/180
D642,142	S	*	7/2011	Kuwaharada et al.	.....	D13/180
D642,143	S	*	7/2011	Kuwaharada et al.	.....	D13/180
D643,381	S		8/2011	Hsieh		
D645,416	S	*	9/2011	Kuwaharada et al.	.....	D13/180
D645,419	S	*	9/2011	Kuwaharada et al.	.....	D13/180
D645,420	S	*	9/2011	Kuwaharada et al.	.....	D13/180
D646,645	S	*	10/2011	Chen et al.	.....	D13/180
D649,943	S	*	12/2011	Kuwaharada et al.	.....	D13/180
D649,944	S	*	12/2011	Kuwaharada et al.	.....	D13/180
D650,341	S	*	12/2011	Kuwaharada et al.	.....	D13/180
D650,342	S	*	12/2011	Kuwaharada et al.	.....	D13/180

D650,343	S		12/2011	Andrews et al.		
D658,139	S	*	4/2012	Andrews et al.	.....	D13/180
D660,257	S	*	5/2012	Andrews et al.	.....	D13/180
D674,758	S	*	1/2013	Wu et al.	.....	D13/180
D675,169	S	*	1/2013	Chou	.....	D13/180
8,378,375	B2	*	2/2013	Lee	.....	257/99
2009/0050907	A1	*	2/2009	Yuan et al.	.....	257/88
2009/0108281	A1	*	4/2009	Keller et al.	.....	257/98

(Continued)

OTHER PUBLICATIONS

Notice of Allowance for U.S. Appl. No. 29/420,876 mailed May 7, 2014, 8 pages.

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Withrow & Terranova,
P.L.L.C.; Vincent K. Gustafson

(57) **CLAIM**

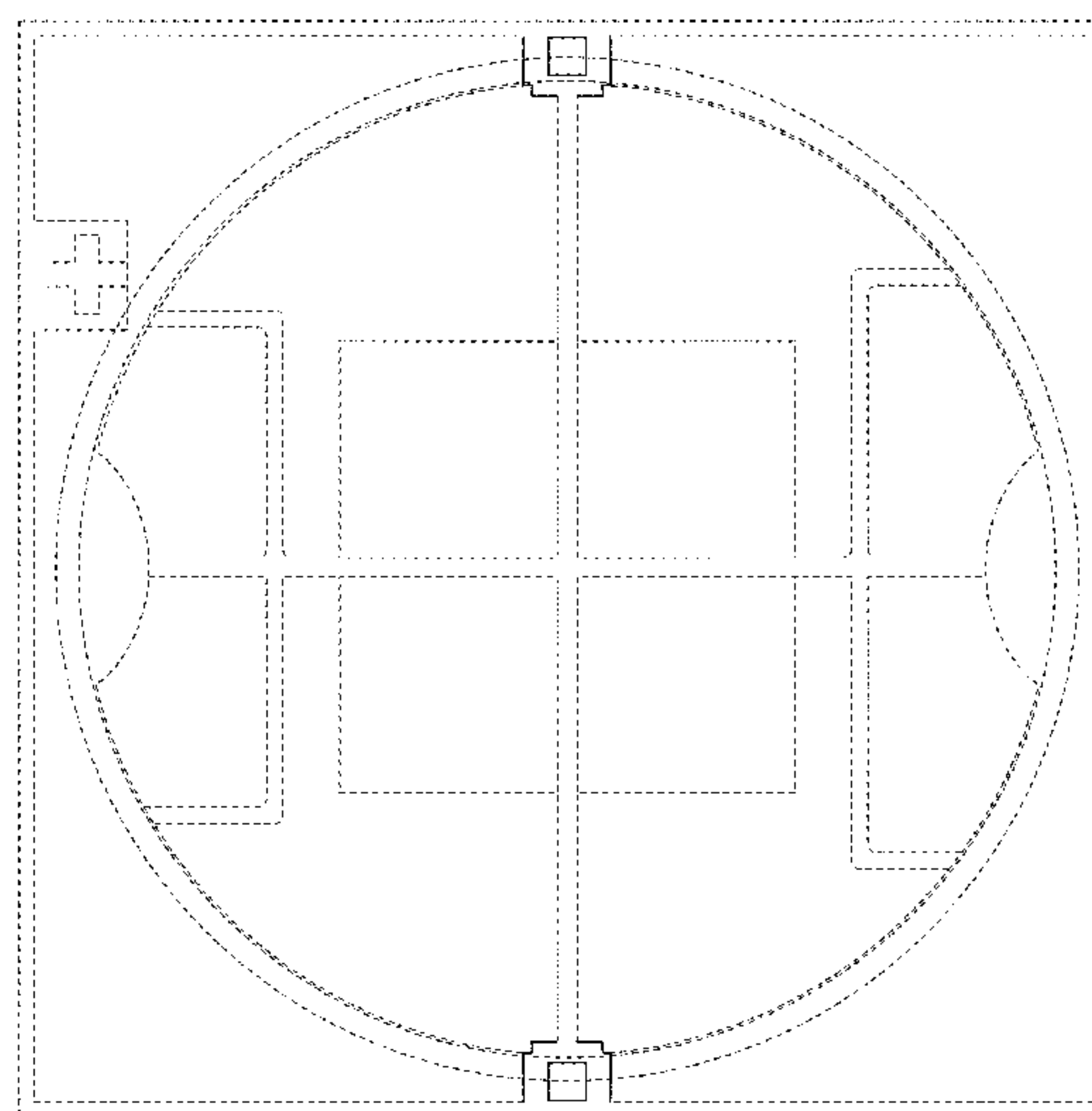
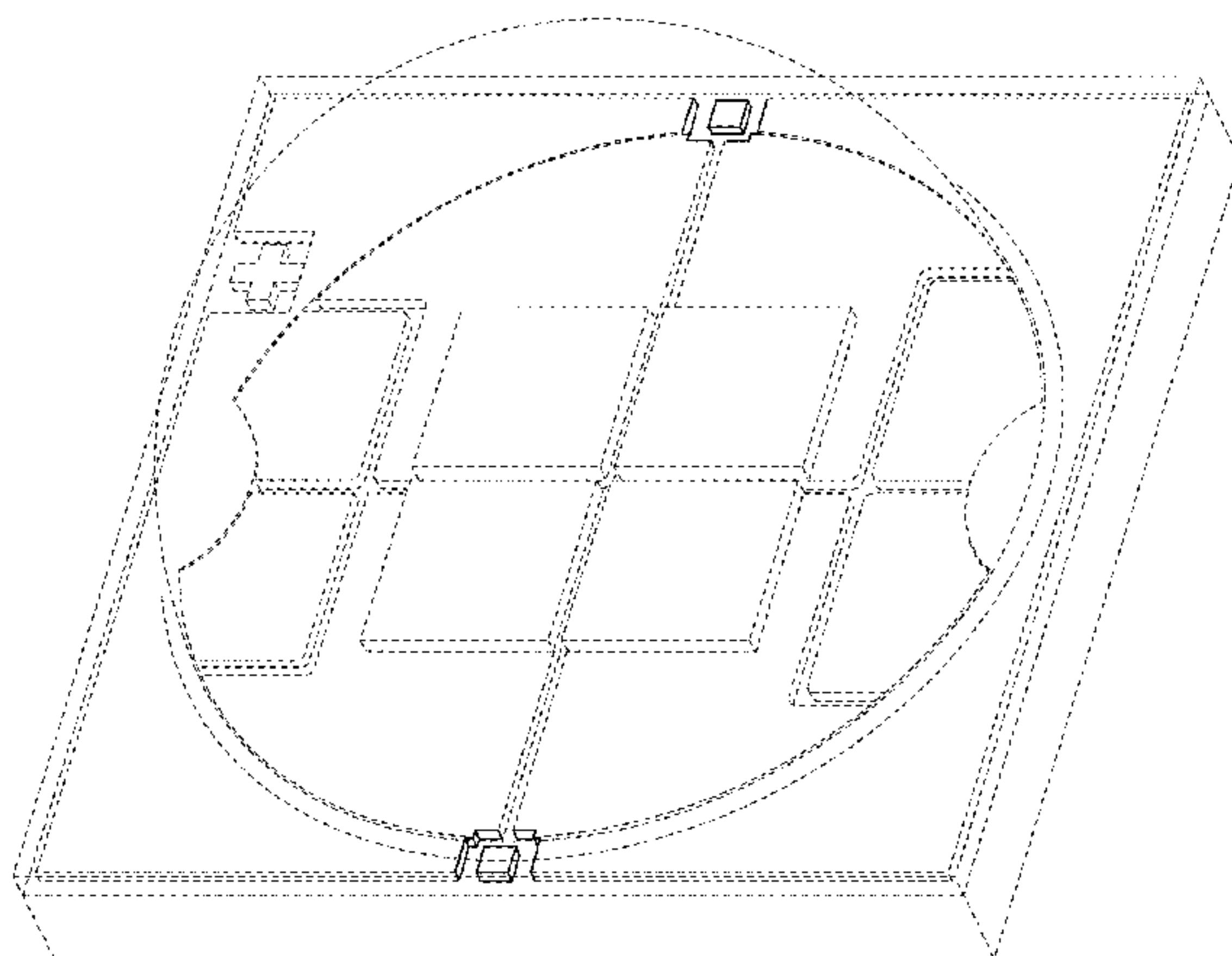
The ornamental design for a light emitting diode (LED) package with multiple anodes and cathodes, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the LED package.
FIG. 2 is a top plan view of the LED package of FIG. 1;
FIG. 3 is a bottom plan view of the LED package of FIGS. 1-2;
FIG. 4 is a front elevation view of the LED package of FIGS. 1-3;
FIG. 5 is a rear elevation view of the LED package of FIGS. 1-4;
FIG. 6 is a left side elevation view of the LED package of FIGS. 1-5; and,
FIG. 7 is a right side elevation view of the LED package of FIGS. 1-6.

The dashed broken lines are included for the purpose of illustrating environment of the design and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2010/0140633	A1 *	6/2010	Emerson	257/88
2010/0140634	A1 *	6/2010	van de Ven et al.	257/88
2010/0176751	A1 *	7/2010	Oshio et al.	315/362
2010/0252851	A1 *	10/2010	Emerson et al.	257/98
2011/0062482	A1 *	3/2011	Solomensky et al.	257/99
2011/0121323	A1 *	5/2011	Wu et al.	257/88
2011/0127912	A1 *	6/2011	Lee et al.	315/32
2011/0220920	A1	9/2011	Collins	
2011/0248289	A1 *	10/2011	Hsieh et al.	257/88
2012/0069564	A1	3/2012	Andrews	
2012/0086024	A1	4/2012	Andrews	
2012/0199852	A1 *	8/2012	Lowes et al.	257/88

* cited by examiner

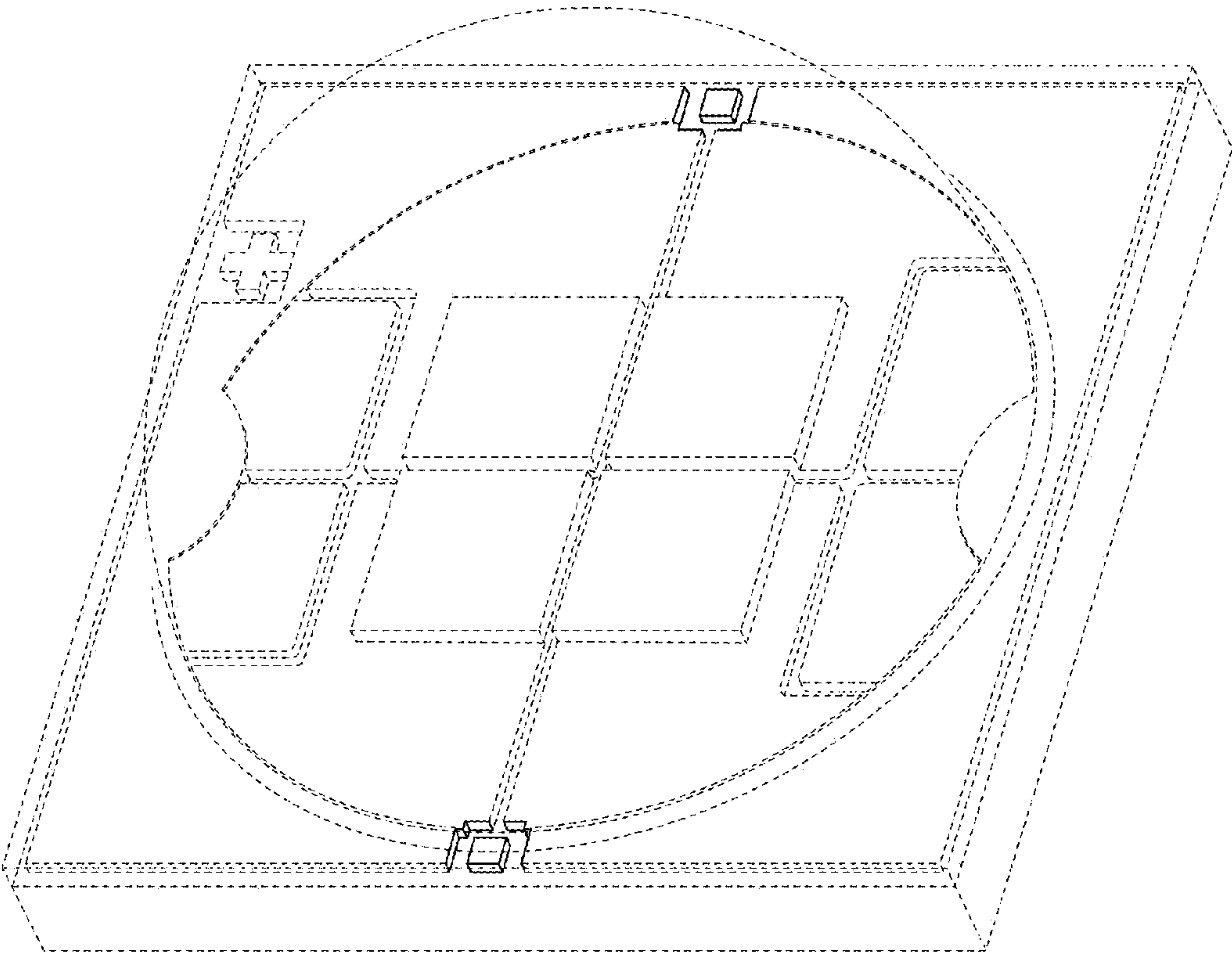


FIG. 1

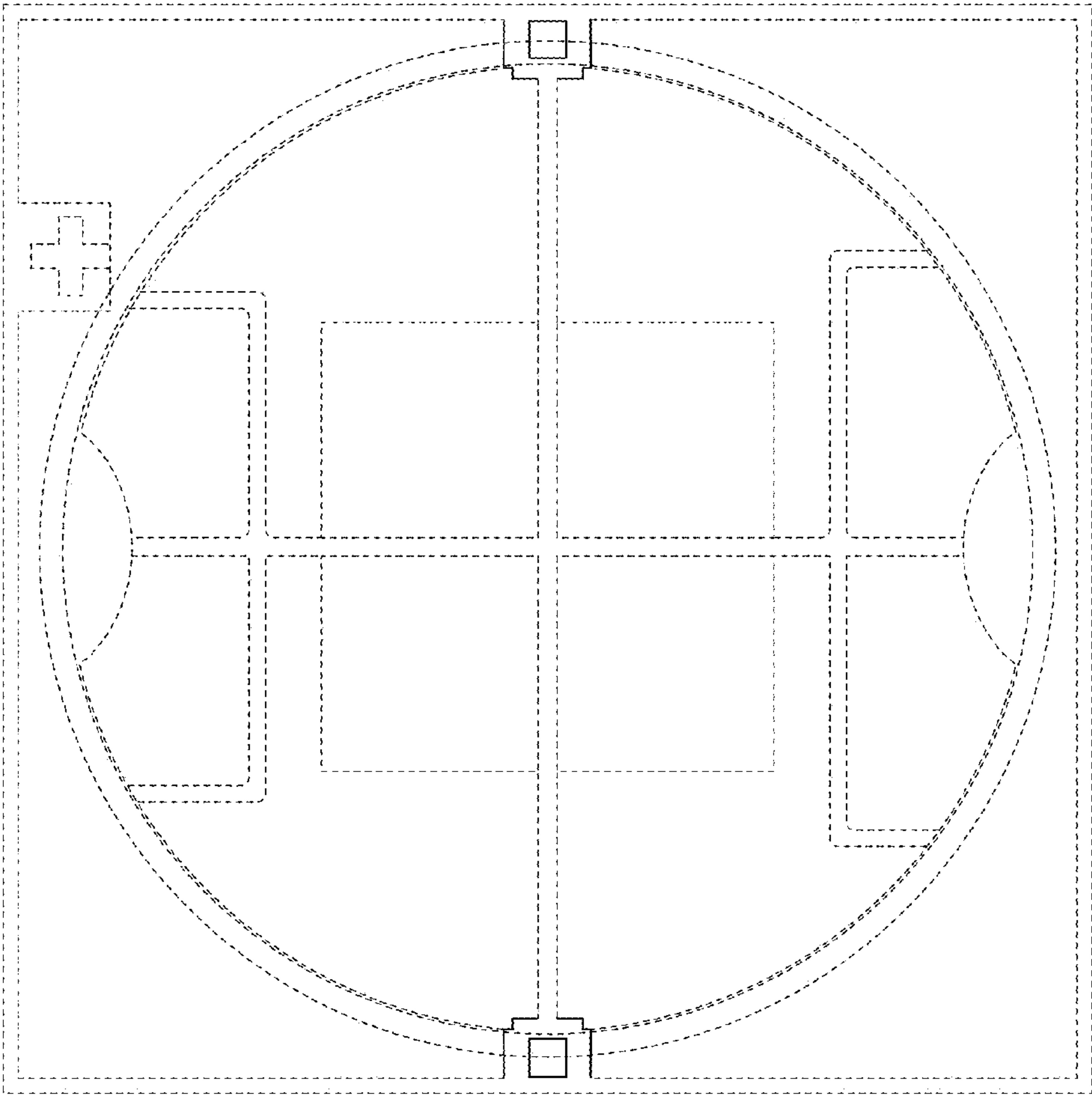


FIG. 2

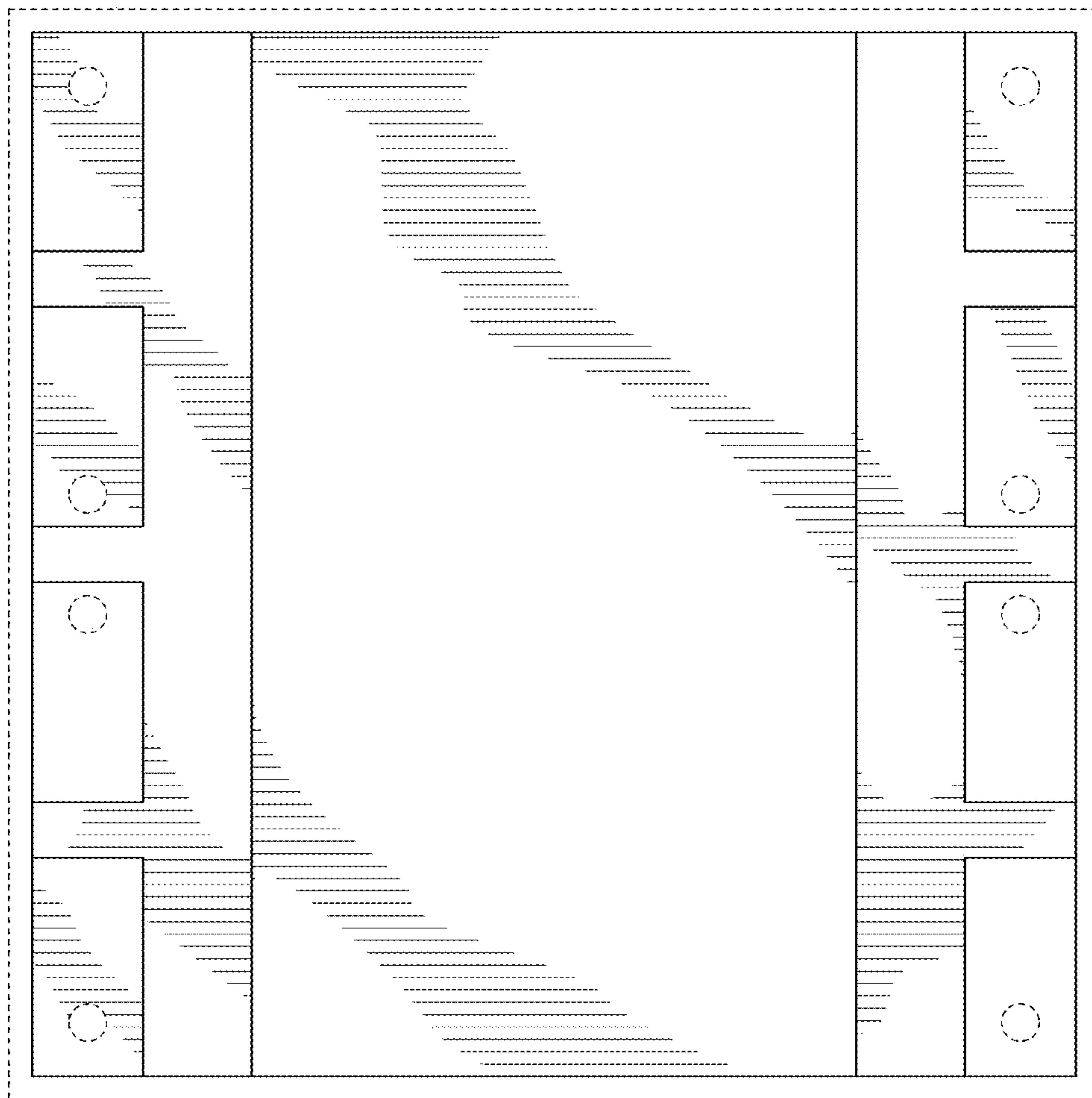


FIG. 3

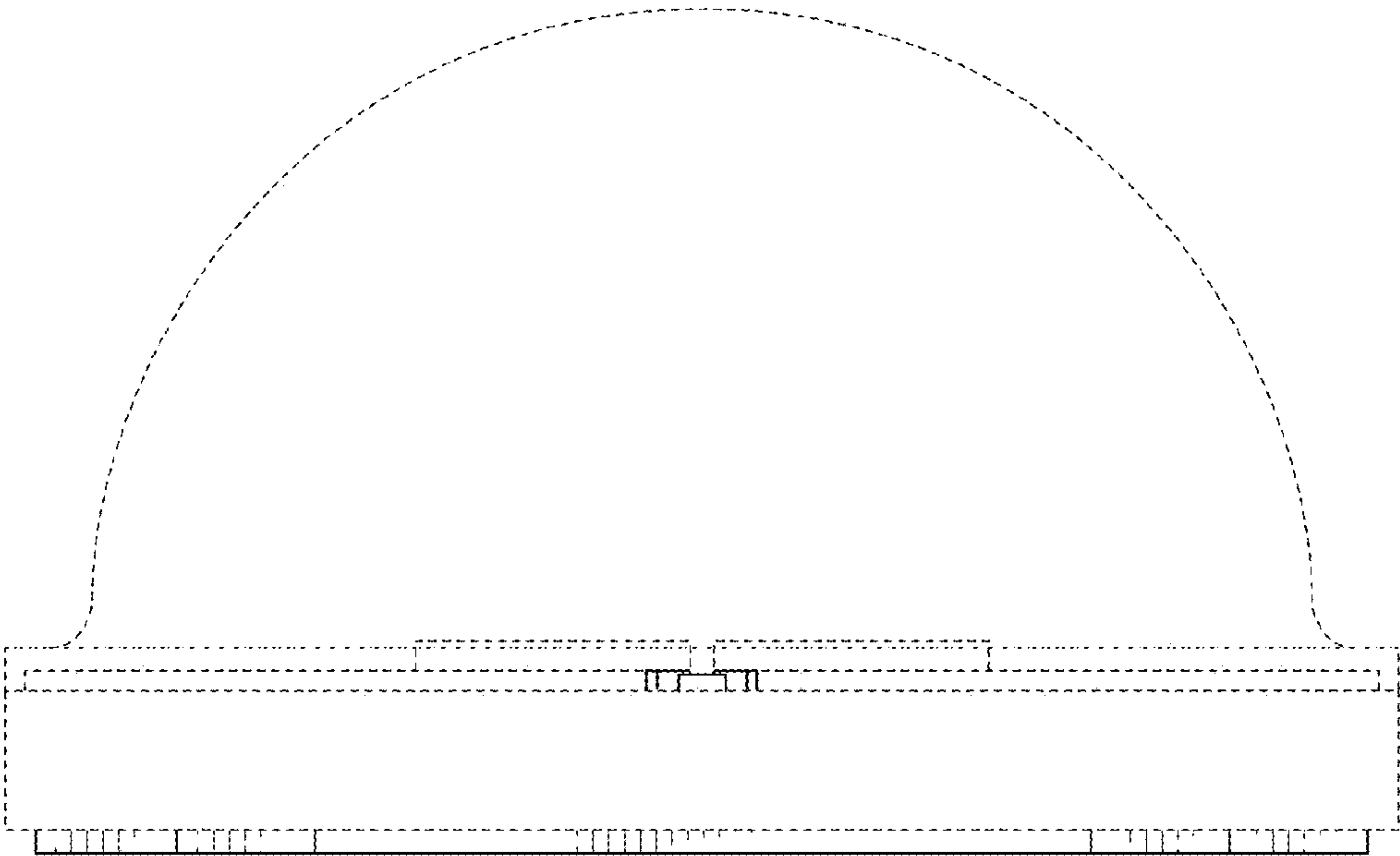


FIG. 4

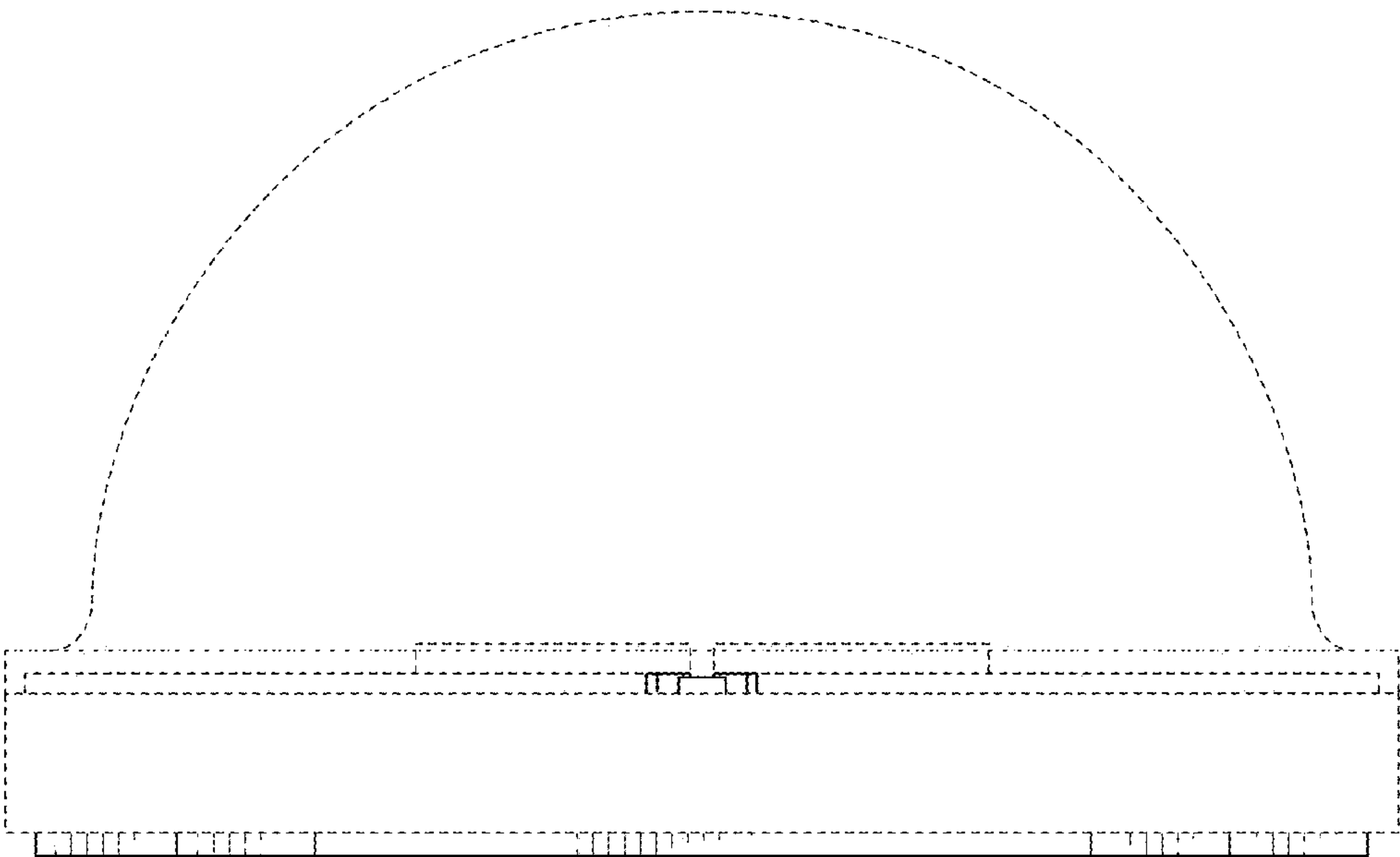


FIG. 5

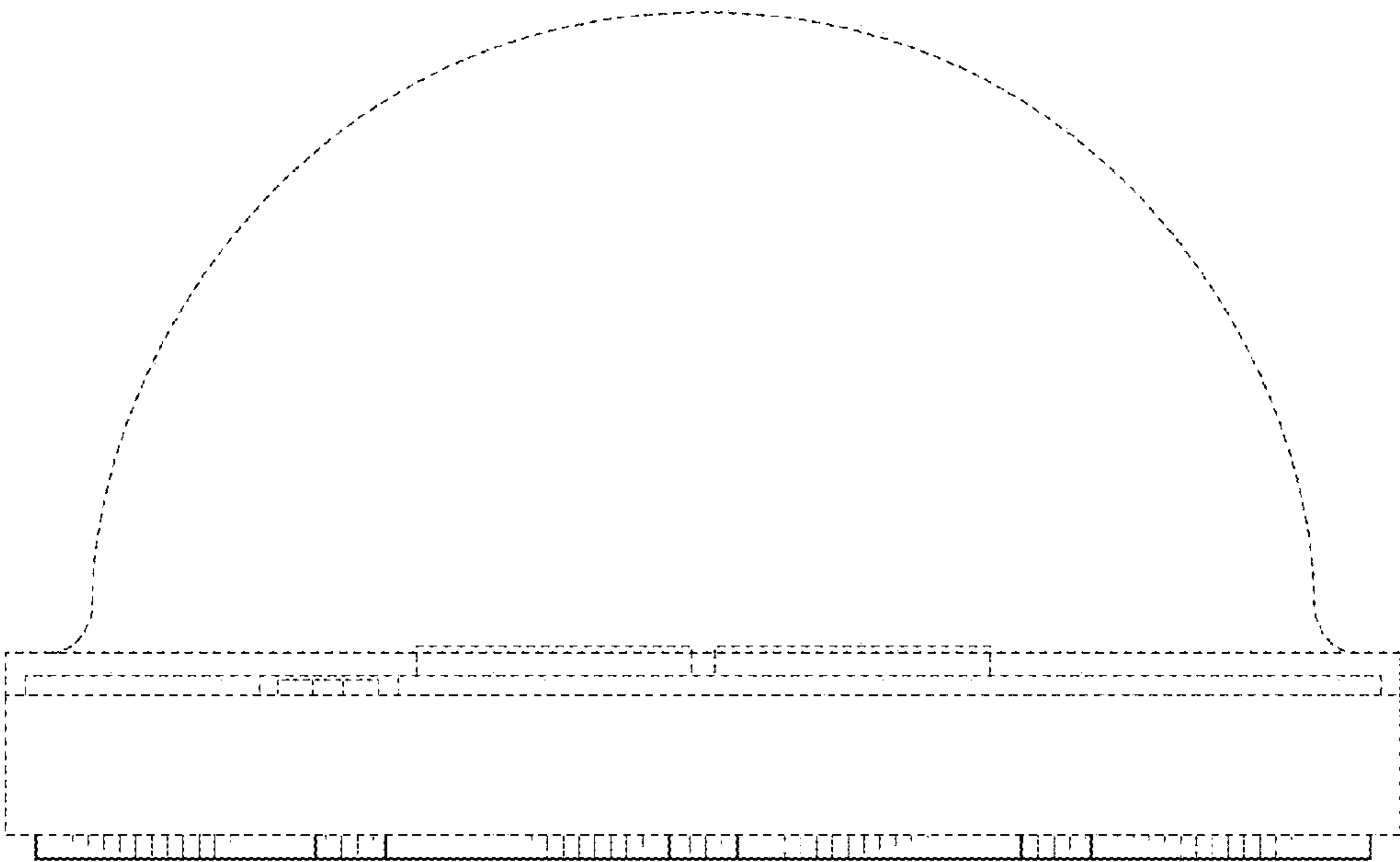


FIG. 6

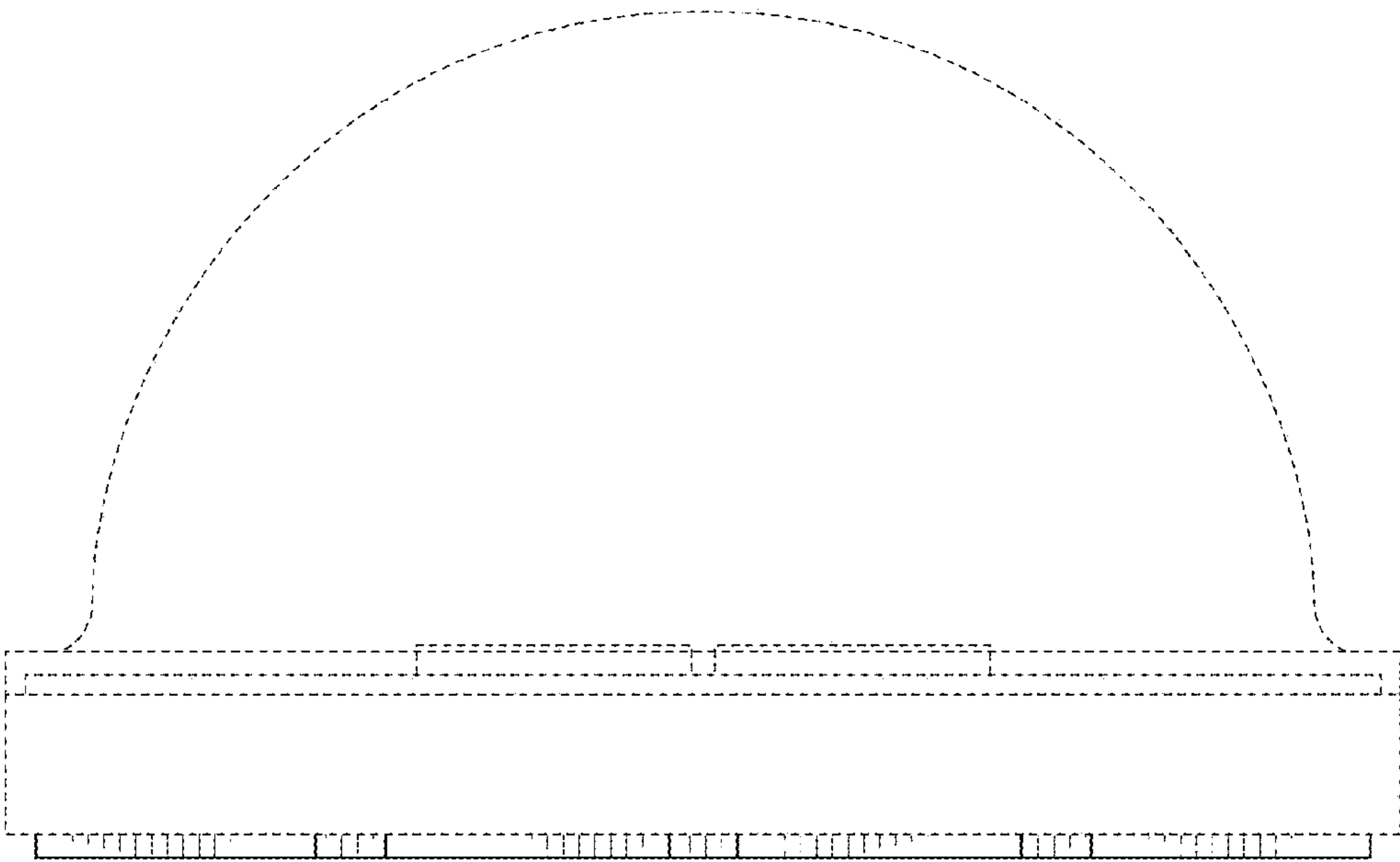


FIG. 7