



US00D628965S

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

(10) **Patent No.:** **US D628,965 S**  
(45) **Date of Patent:** **\*\* Dec. 14, 2010**

(54) **LIGHT-EMITTING DIODE**

D598,871 S 8/2009 Eberle et al.

(75) Inventors: **Takashi Kuwaharada**, Kagoshima (JP);  
**Tooru Aoyagi**, Kagoshima (JP);  
**Tomoyuki Kusano**, Kagoshima (JP)

FOREIGN PATENT DOCUMENTS

JP	D1298732	4/2007
JP	D1298733	4/2007
JP	D1298938	4/2007
JP	D1308765	8/2007
JP	D1349724	1/2009
JP	D1349725	1/2009
JP	D1355076	4/2009
JP	D1363307	6/2009
JP	D1363679	6/2009
JP	D1363680	6/2009

(73) Assignee: **Panasonic Corporation**, Osaka (JP)

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

(21) Appl. No.: **29/363,947**

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

\* cited by examiner

(30) **Foreign Application Priority Data**

Dec. 22, 2009 (JP) ..... 2009-029829

*Primary Examiner*—Marcus A Jackson

(74) *Attorney, Agent, or Firm*—Brinks Hofer Gilson & Lione

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

(52) **U.S. Cl.** ..... **D13/180; D26/1**

(58) **Field of Classification Search** ..... D26/1-4;  
D13/180; 257/79, 80, 81, 88, 89, 95, 98,  
257/99, 100; 313/483, 498, 500; 362/555,  
362/800

(57) **CLAIM**

We claim the ornamental design for a light-emitting diode, as shown and described.

See application file for complete search history.

**DESCRIPTION**

FIG. 1 is a top perspective view of a light-emitting diode of the present invention;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a first side view thereof;

FIG. 5 is a second side view thereof;

FIG. 6 is a top view thereof; and,

FIG. 7 is a bottom view thereof.

The broken line showing of light-emitting diode is included for the purpose of illustrating environment and forms no part of the claimed design.

The transparent dome is formed with a substantially conical recess at its top portion.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D571,316 S	6/2008	Lee et al.	
D572,210 S	7/2008	Lee	
D573,550 S	7/2008	Lee	
D573,551 S	7/2008	Lee	
D575,244 S	8/2008	Lee	
D576,574 S *	9/2008	Kobayakawa	..... D13/180
D578,671 S *	10/2008	Kanayama et al.	..... D26/1
D581,884 S	12/2008	Yen	
D591,696 S	5/2009	Okada et al.	
D591,697 S *	5/2009	Andrews et al.	..... D13/182
D593,224 S *	5/2009	Hanley	..... D26/2
D594,827 S	6/2009	Loh et al.	

**1 Claim, 7 Drawing Sheets**

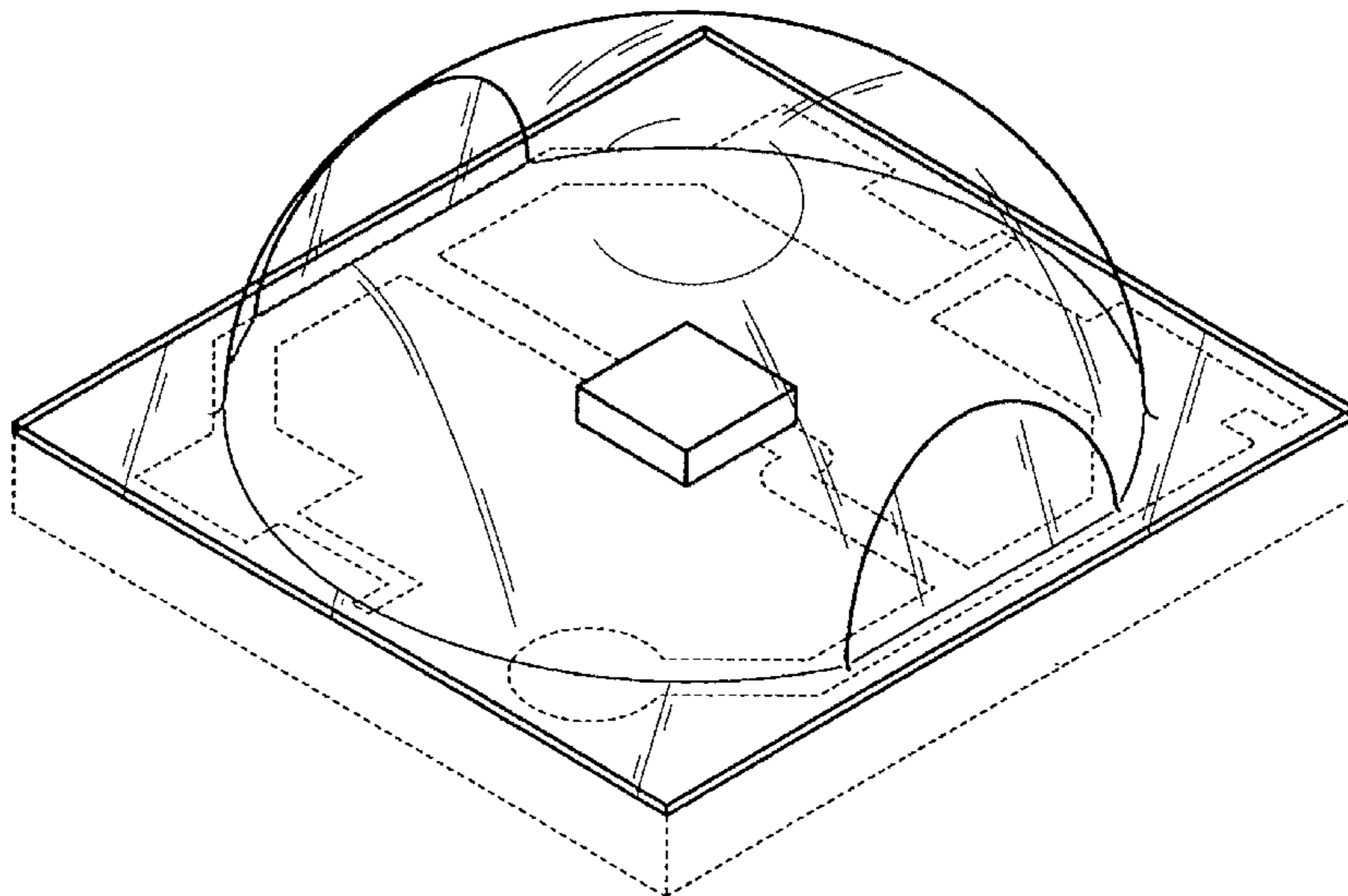


FIG.1

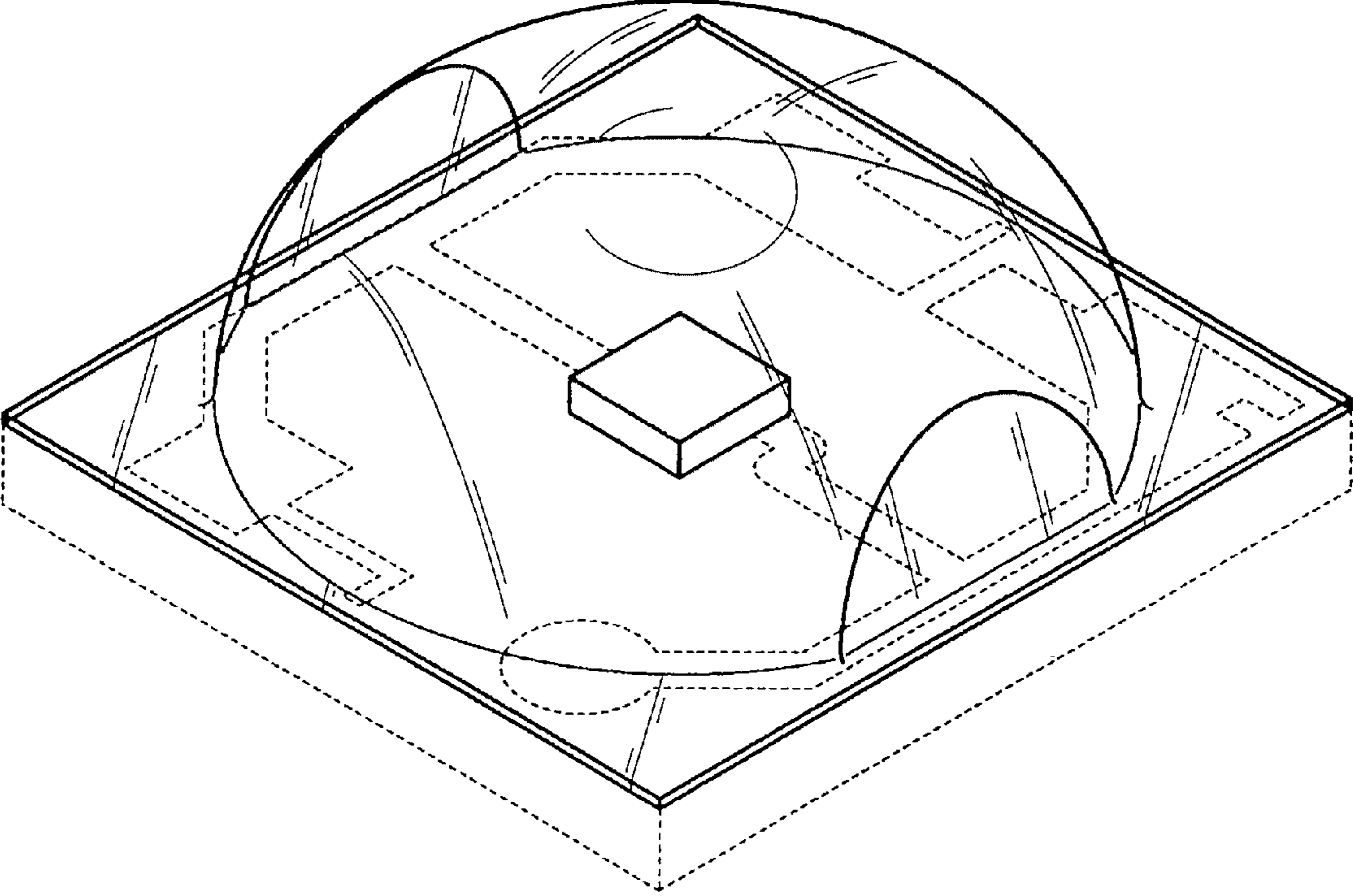


FIG.2

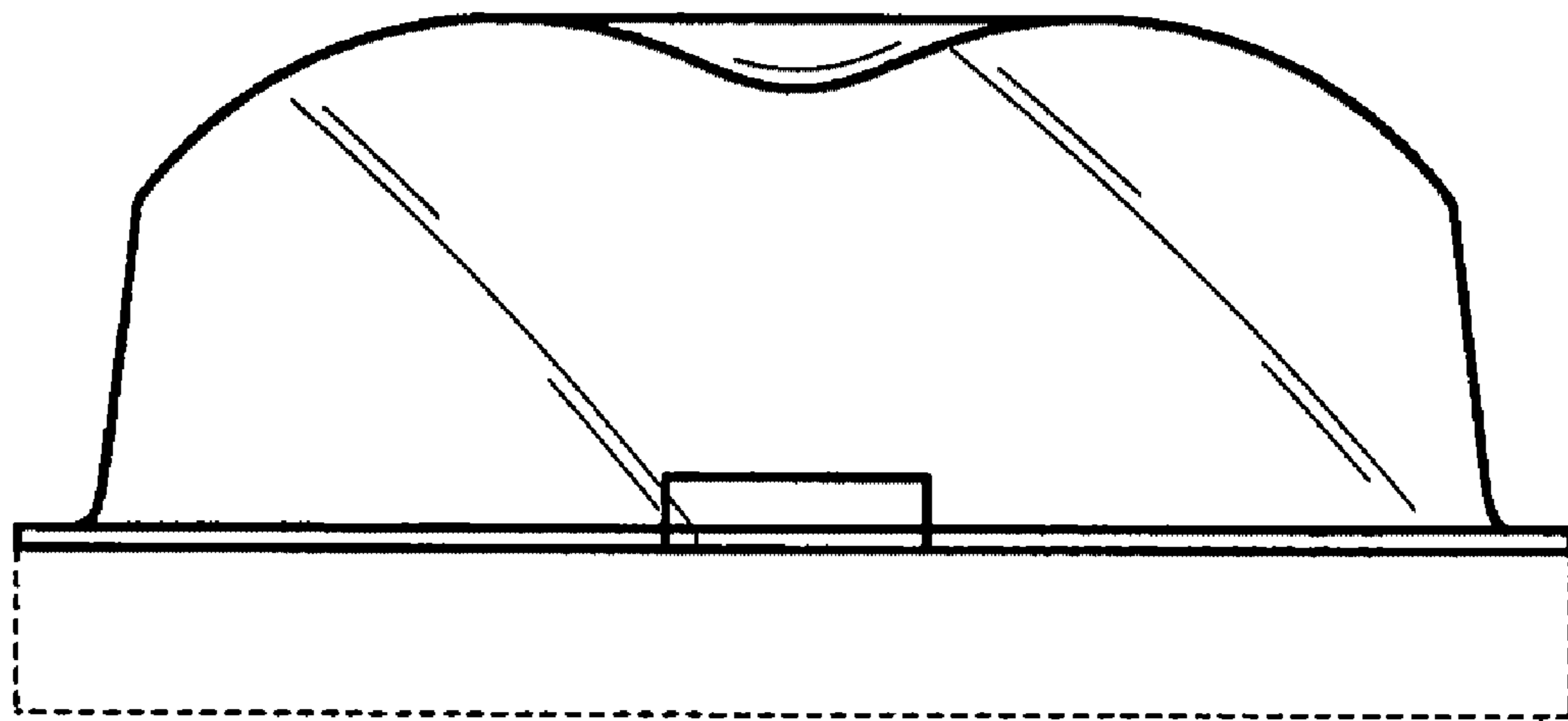


FIG.3

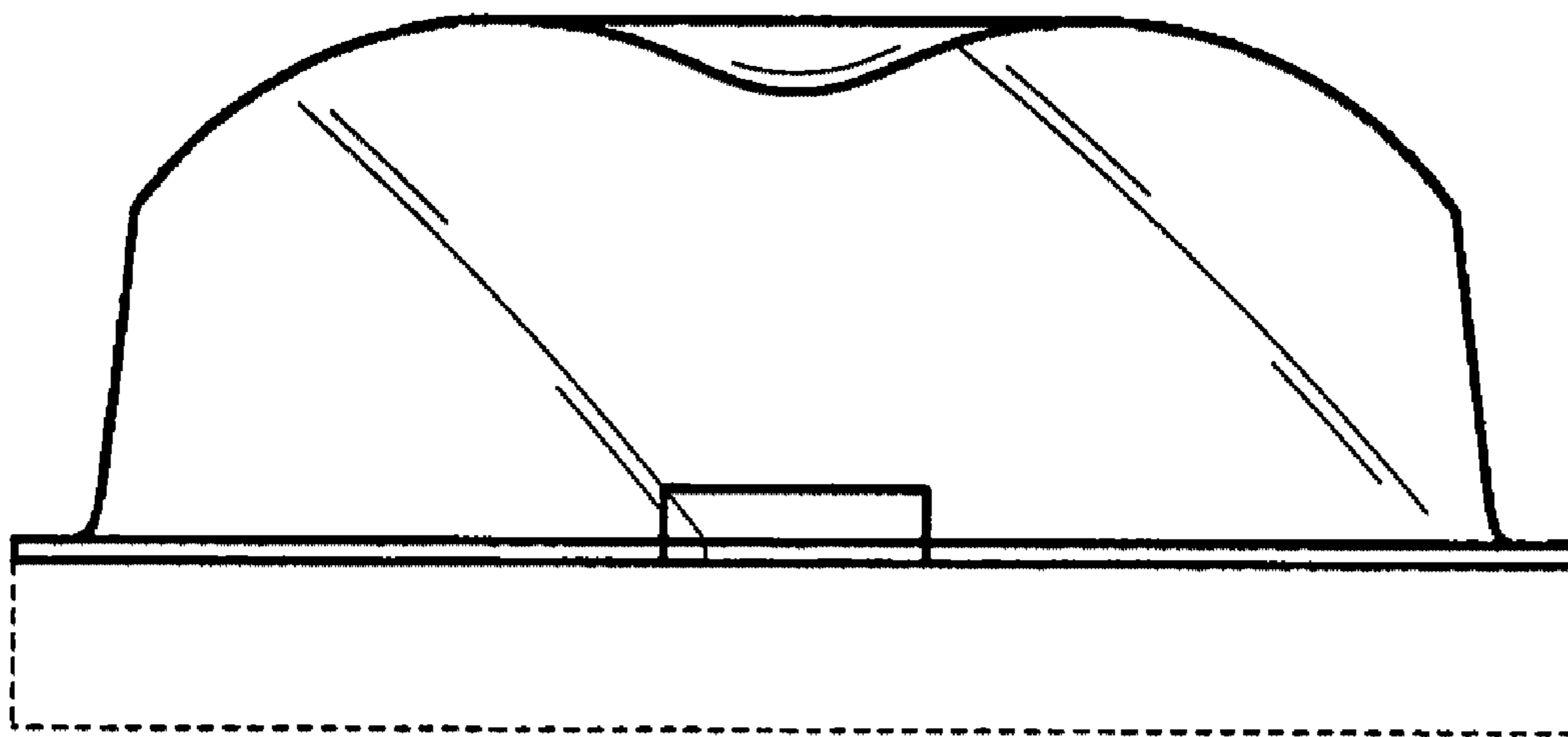


FIG.4

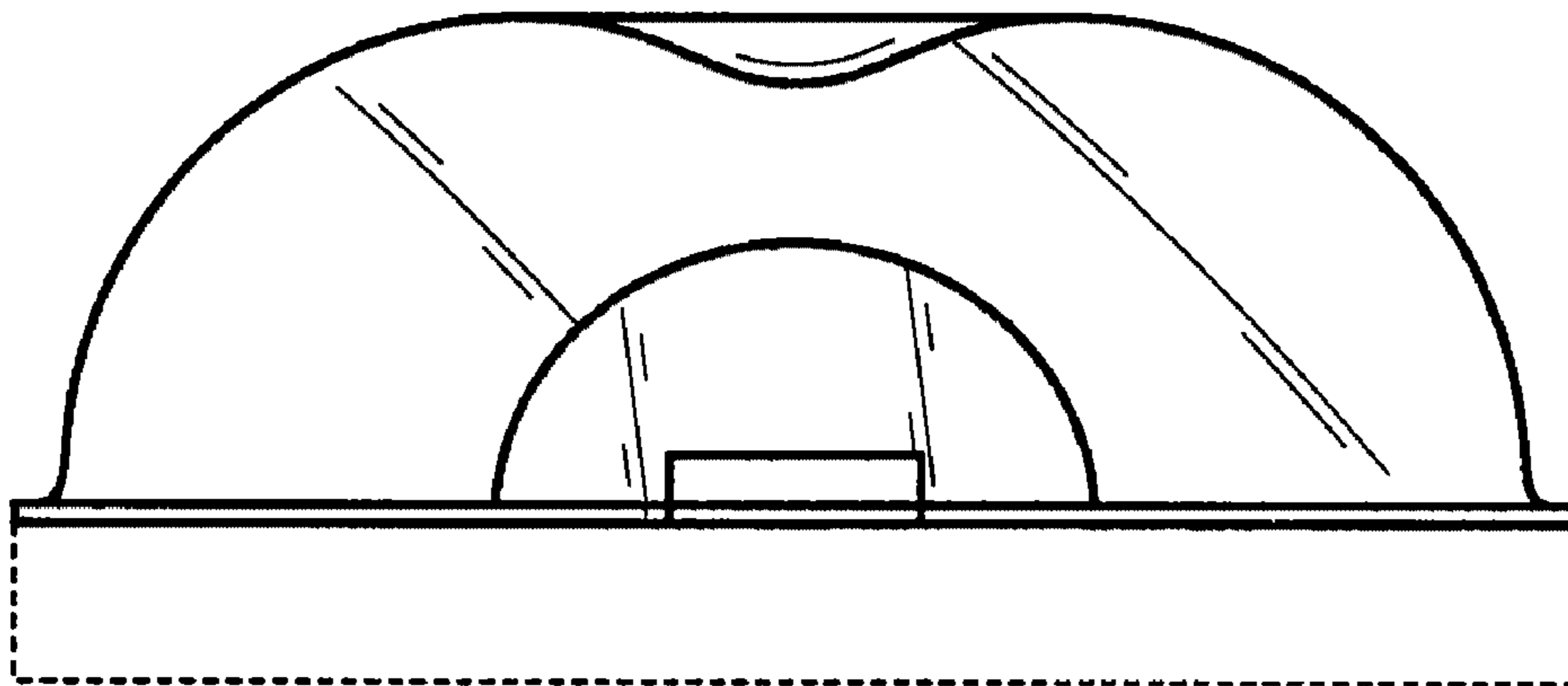


FIG.5

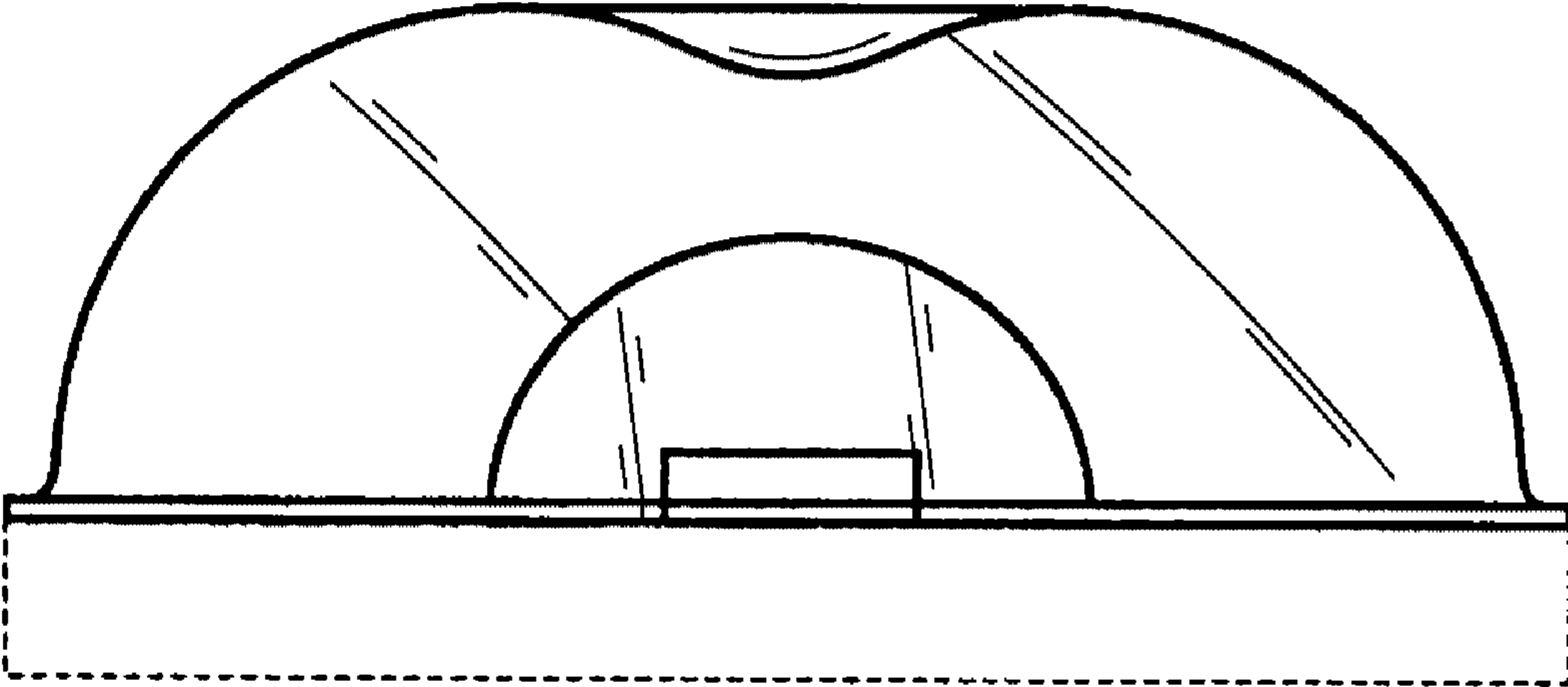


FIG.6

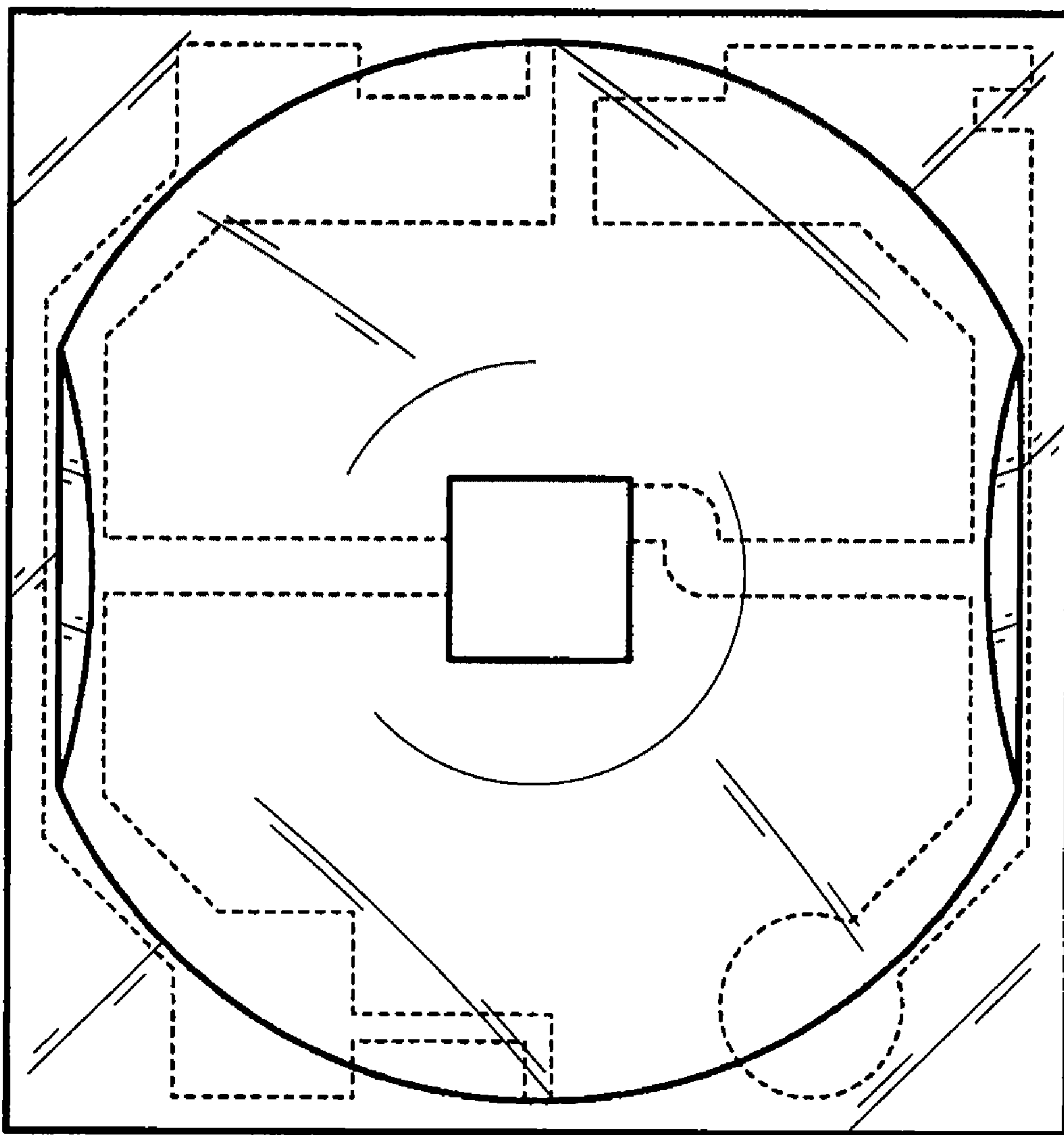


FIG.7

