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(12) United States Design Patent

Lai et al.

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(54) **LED LENS**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** **26-99**
(52) **U.S. Cl.** **D26/124**
(58) **Field of Classification Search** D13/179, D13/180; D16/101, 135; D25/122, 124; D26/9, 11, 22, 25, 56, 67, 71, 72, 74, 76, D26/79, 84, 85, 88, 89, 113, 118, 119, 120, D26/121, 122, 123, 124, 128, 129, 130, 134, D26/137, 138, 139, 140, 141, 142, 152; 52/844; 359/811, 819; 362/145, 152, 219, 240, 241, 362/249.01, 249.02, 249.03, 249.04, 249.05, 362/249.06, 249.07, 249.08, 249.09, 249.1, 362/547, 555
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D126,993	S *	5/1941	Trautner	D26/36
D137,085	S *	1/1944	Cressaty	D26/124
D171,632	S *	3/1954	AAtwood et al.	D26/128
D283,555	S *	4/1986	Levi	D26/85
4,760,499	A *	7/1988	Il	362/512
D367,331	S *	2/1996	Reniger et al.	D26/28
D393,095	S *	3/1998	Fiorato	D26/85
D460,204	S *	7/2002	Giese	D26/26
6,474,831	B1 *	11/2002	Ruuttu et al.	362/148
6,561,677	B1 *	5/2003	Leen	362/276
D484,272	S *	12/2003	Lay et al.	D26/113
6,724,543	B1 *	4/2004	Chinniah et al.	359/718
6,972,439	B1 *	12/2005	Kim et al.	257/98
7,153,000	B2 *	12/2006	Park et al.	362/268
7,217,004	B2 *	5/2007	Park et al.	362/240
D545,478	S *	6/2007	Morgan et al.	D26/85

(Continued)

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(57) **CLAIM**

The ornamental design for an LED lens, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an LED lens of the present invention.

FIG. **2** is a front elevational view of the LED lens of FIG. **1**.

FIG. **3** is a rear elevational view of the LED lens of FIG. **1**.

FIG. **4** is a left-side, elevational view of the LED lens of FIG. **1**.

FIG. **5** is a right-side, elevational view of the LED lens of FIG. **1**.

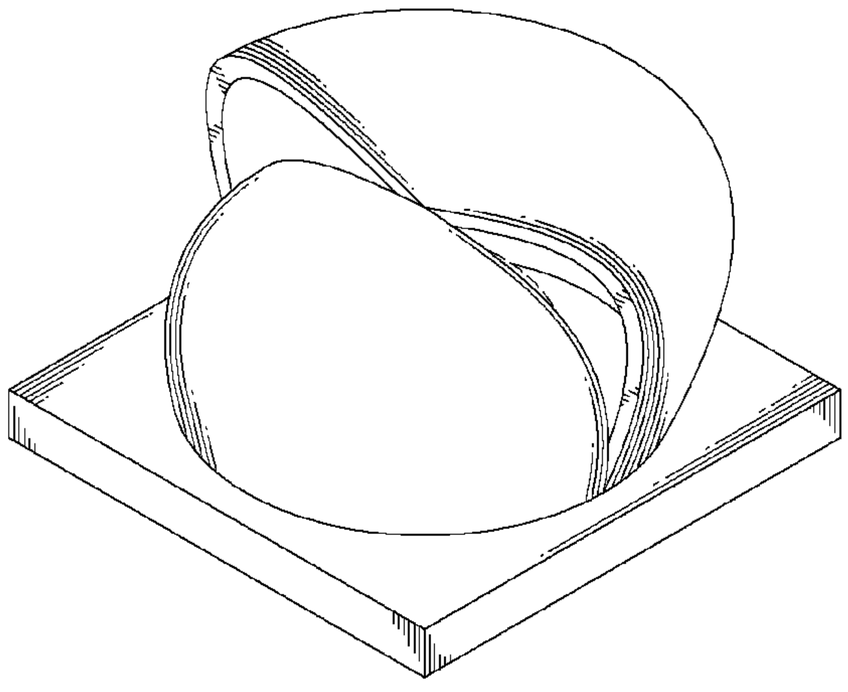
FIG. **6** is a top plan view of the LED lens of FIG. **1**.

FIG. **7** is a bottom plan view of the LED lens of FIG. **1**; and,

FIG. **8** is a cross-sectional view of the LED lens of FIG. **6**, taken along line VIII—VIII thereof.

The broken lines showing of the environment are for illustrative purpose only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



U.S. PATENT DOCUMENTS

D555,111	S *	11/2007	Yen	D13/180
D563,588	S *	3/2008	Mullen	D26/85
D567,773	S *	4/2008	Kamada	D13/180
D569,030	S *	5/2008	Lee	D26/85
D573,554	S *	7/2008	Kobayakawa	D13/180
D574,551	S *	8/2008	Park	D26/120
7,473,013	B2 *	1/2009	Shimada	362/327
D588,735	S *	3/2009	Woodard	D26/61
D596,592	S *	7/2009	Yong et al.	D13/180
7,566,148	B2 *	7/2009	Noh et al.	362/305
7,594,740	B2 *	9/2009	Popovich et al.	362/373
7,618,163	B2 *	11/2009	Wilcox	362/336
2003/0063474	A1 *	4/2003	Coushaine	362/517
2003/0123255	A1 *	7/2003	Marchetti	362/296
2005/0023538	A1 *	2/2005	Ishii et al.	257/79
2005/0024744	A1 *	2/2005	Falicoff et al.	359/737
2006/0284305	A1 *	12/2006	Yen et al.	257/708
2007/0045823	A1 *	3/2007	Miller	257/706
2007/0109791	A1 *	5/2007	Chinniah et al.	362/334
2007/0114559	A1 *	5/2007	Sayers et al.	257/100
2008/0203412	A1 *	8/2008	Shyu et al.	257/98
2009/0129097	A1 *	5/2009	Ewert et al.	362/328

* cited by examiner

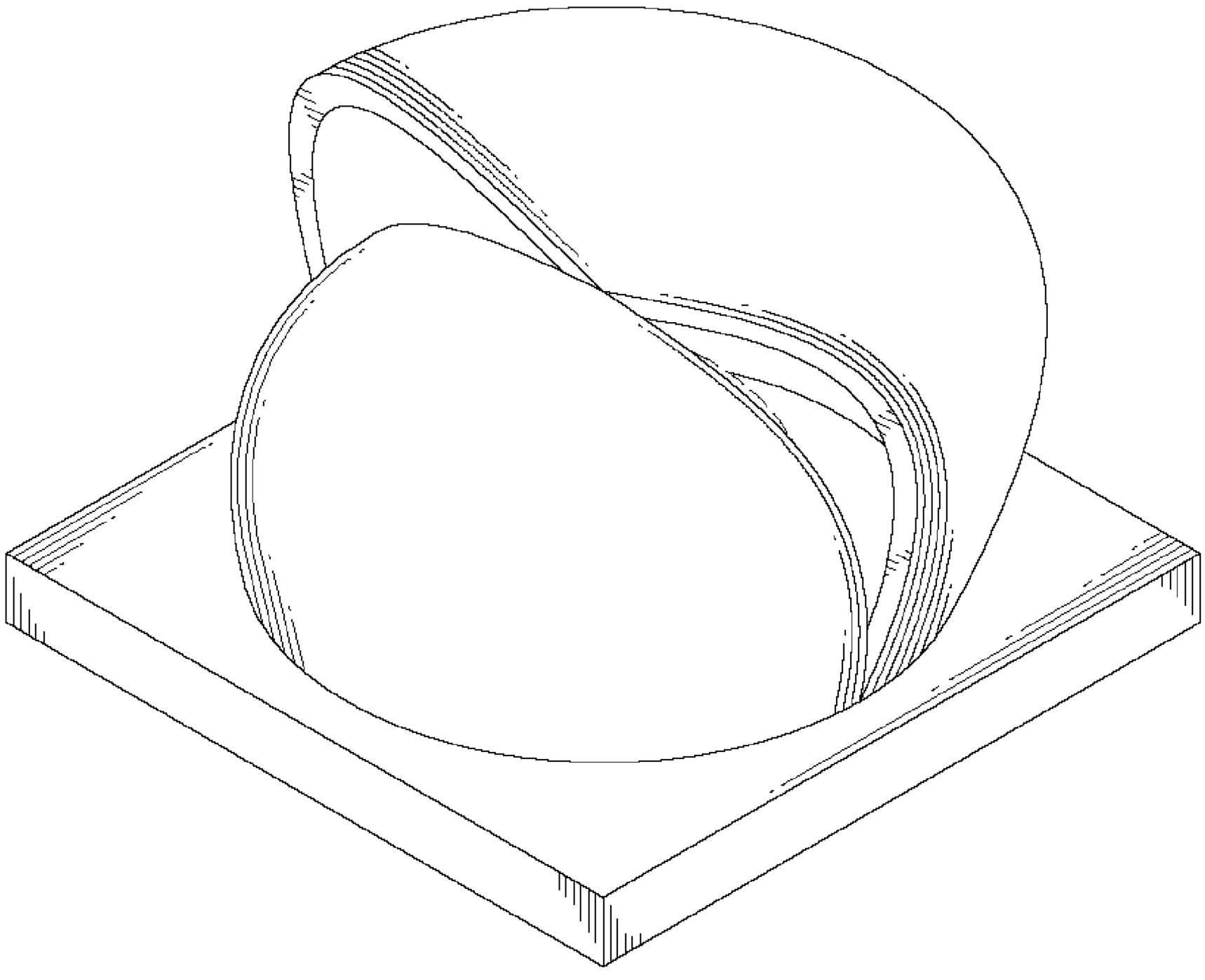


FIG. 1

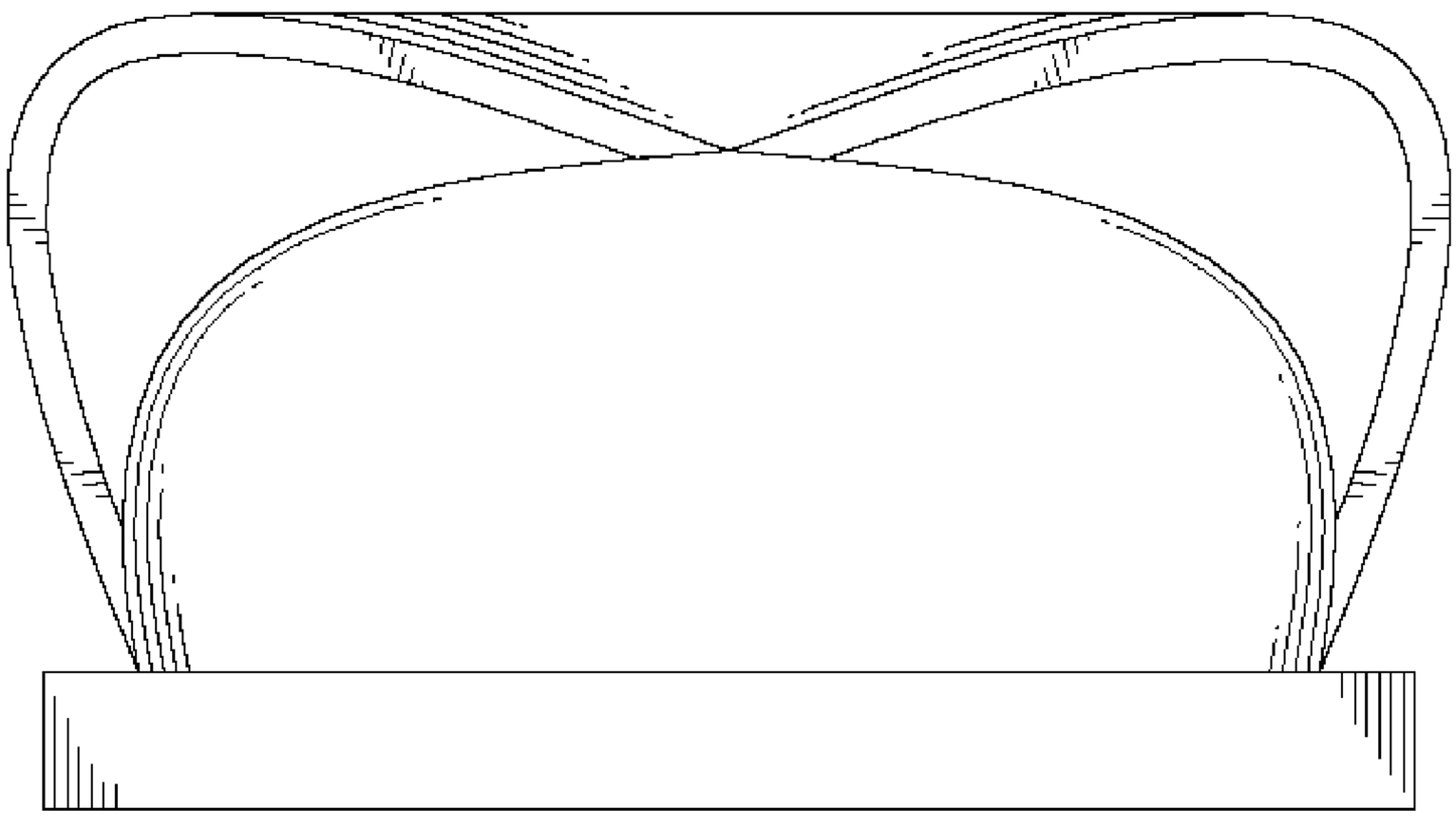


FIG. 2

FIG. 3

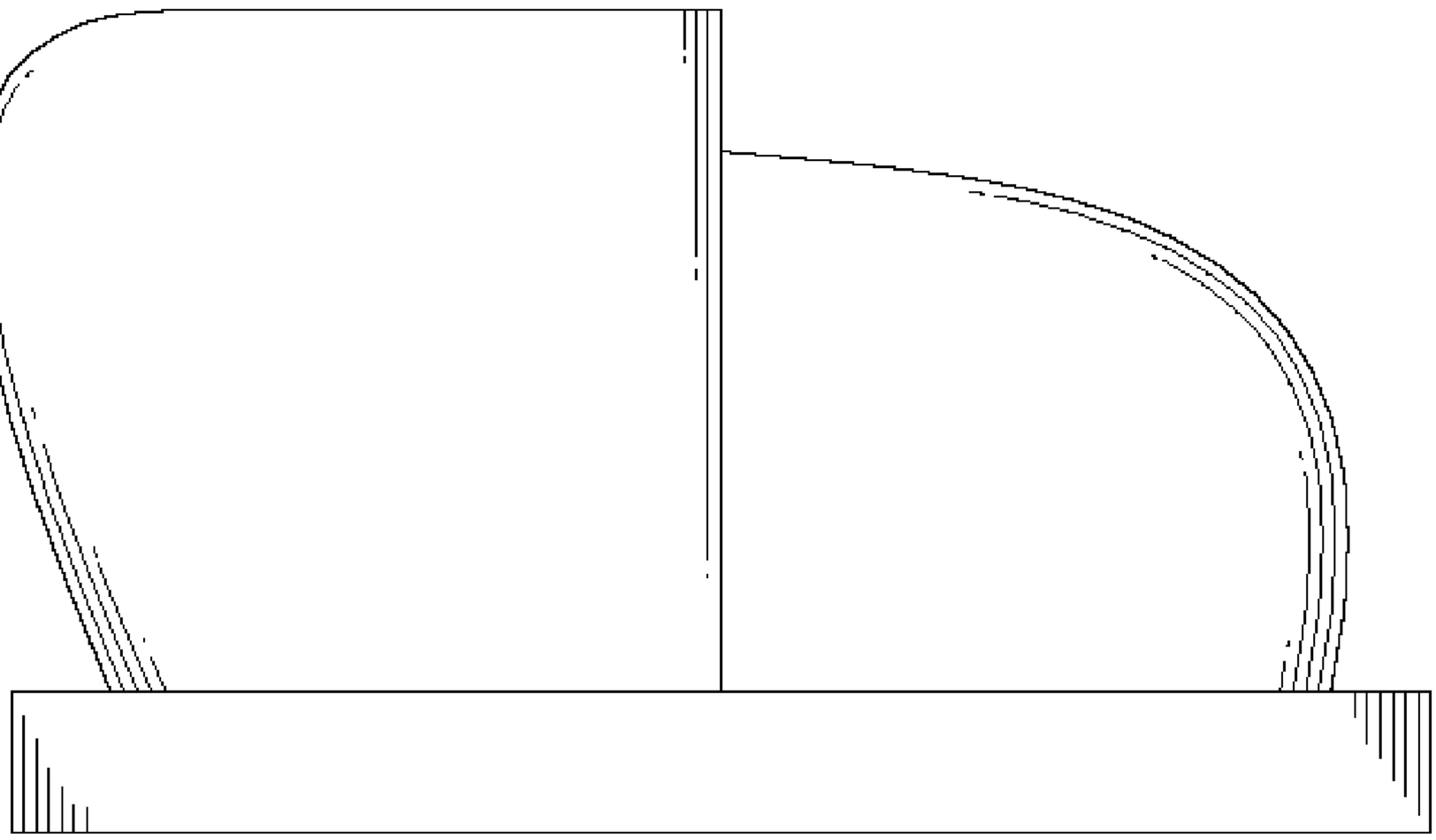


FIG. 4

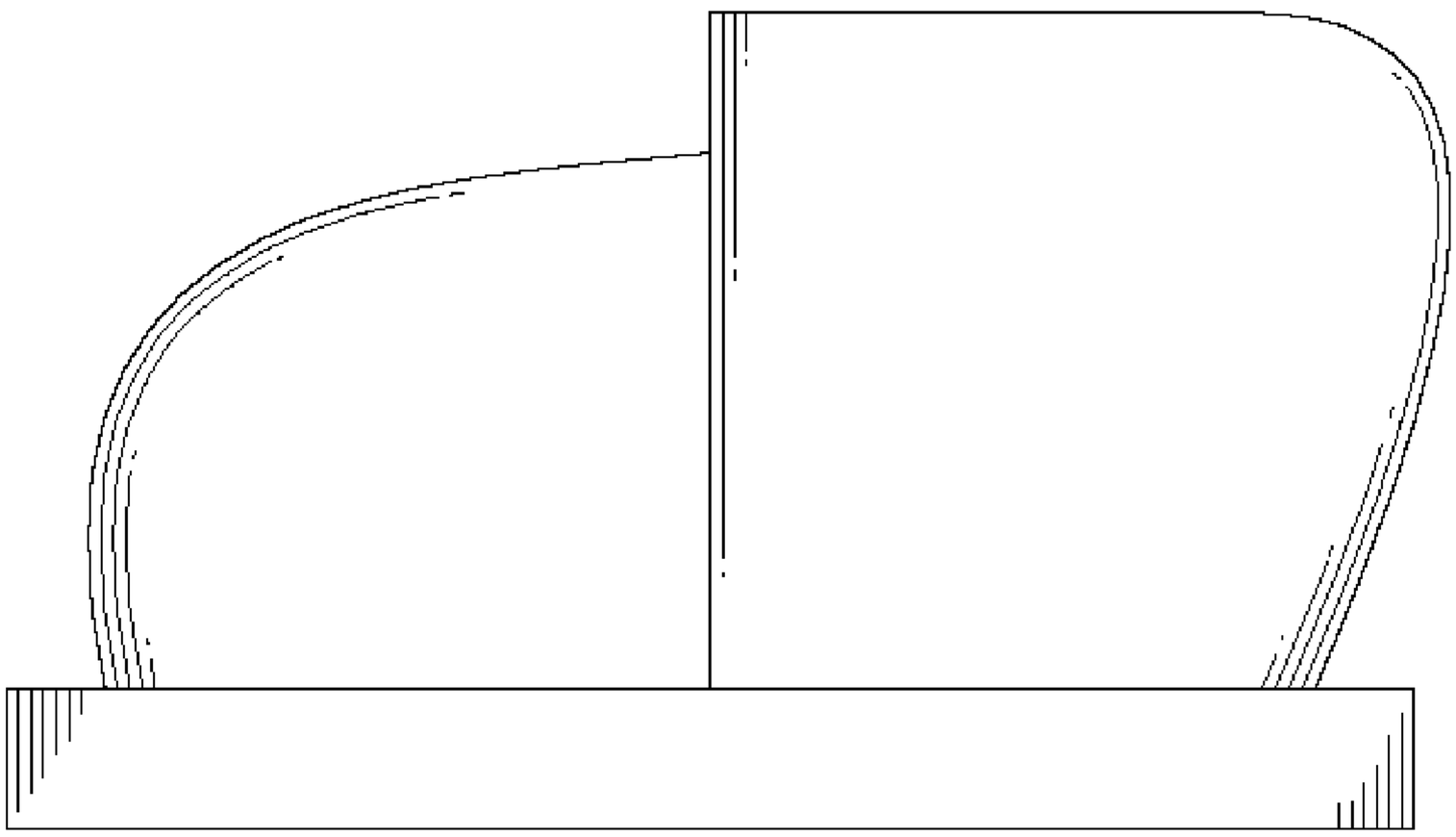


FIG. 5

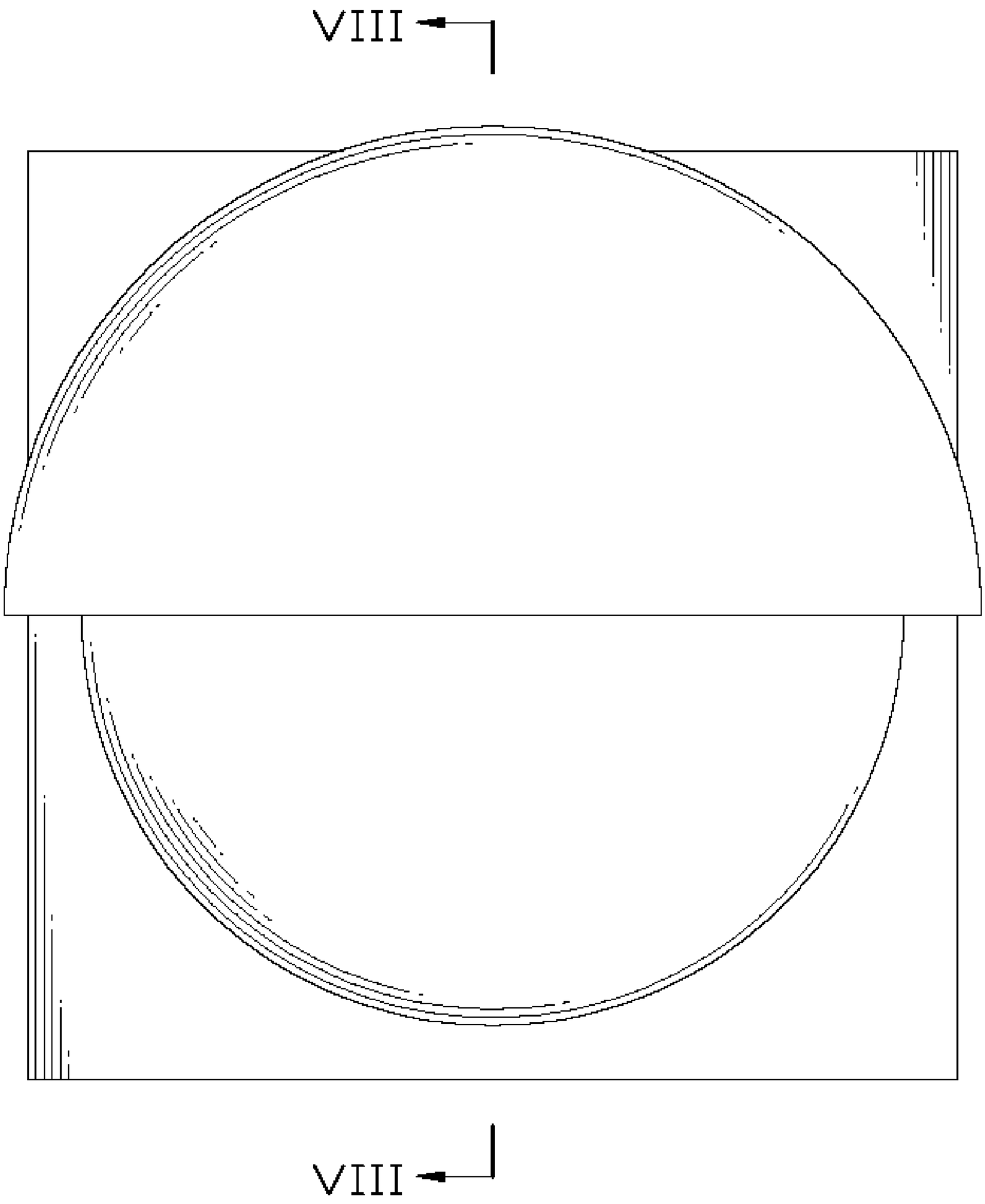


FIG. 6

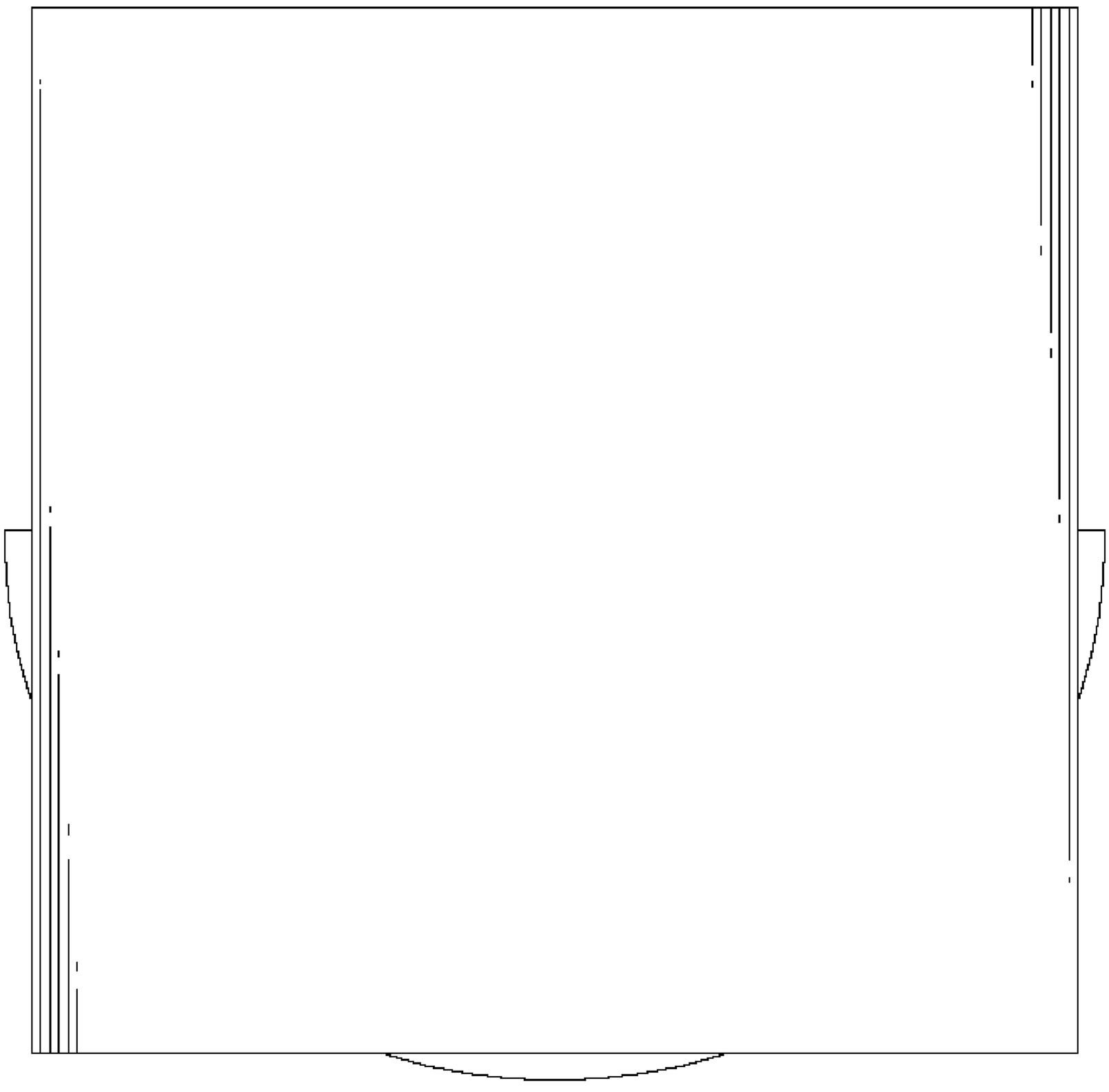


FIG. 7

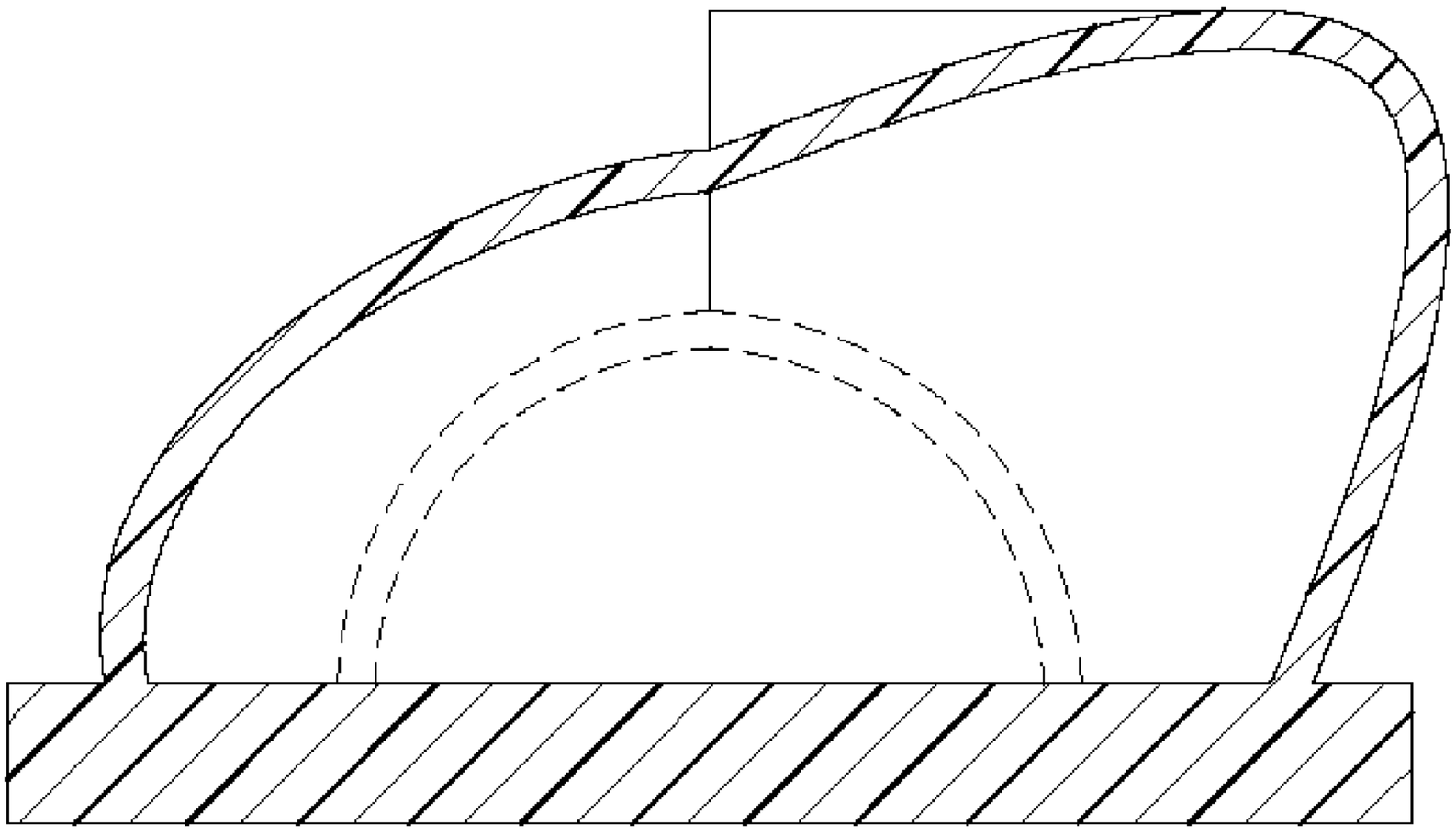


FIG. 8