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(12) United States Design Patent

Ku 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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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D137,085	S	*	1/1944	Cressaty	D26/124
D140,840	S	*	4/1945	Cressaty	D26/124
3,163,768	A	*	12/1964	Bernheim	250/238
4,698,730	A	*	10/1987	Sakai et al.	362/311.05
D297,717	S	*	9/1988	Chu	D10/121
5,704,709	A	*	1/1998	Zwick et al.	362/304
5,894,195	A	*	4/1999	McDermott	313/512
6,402,348	B1	*	6/2002	Ouellette et al.	362/296.01
6,450,667	B1	*	9/2002	Thompson	362/263
6,474,831	B1	*	11/2002	Ruuttu et al.	362/148
6,724,543	B1	*	4/2004	Chinniah et al.	359/718
D495,822	S	*	9/2004	Yoneda	D26/124
D511,787	S	*	11/2005	Galli	D16/134
6,972,439	B1	*	12/2005	Kim et al.	257/98
D520,143	S	*	5/2006	Yoneda	D24/209
D523,826	S	*	6/2006	Kamada	D13/180
D542,239	S	*	5/2007	Egawa	D13/180
7,217,004	B2	*	5/2007	Park et al.	362/240
7,347,590	B2	*	3/2008	Lee et al.	362/327
D574,551	S	*	8/2008	Park	D26/120
D576,575	S	*	9/2008	Kanayama et al.	D13/180
7,431,480	B2	*	10/2008	Godo	362/311.06
7,458,703	B2	*	12/2008	Han et al.	362/267

(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 showing our new design.

FIG. **2** is a front elevational view thereof, the rear elevational view being a mirror image of FIG. **2**.

FIG. **3** is a left-side, elevational view thereof, the right-side, elevational view being a mirror image of FIG. **3**.

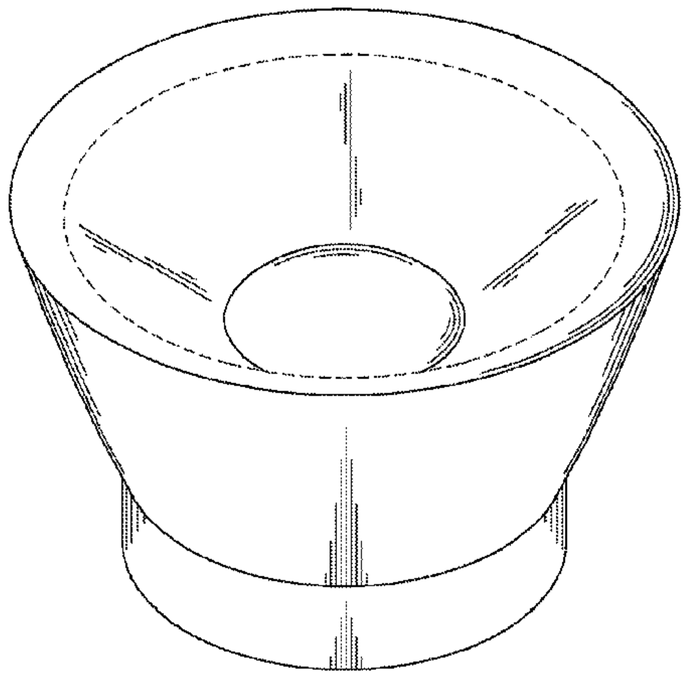
FIG. **4** is a top plan view thereof.

FIG. **5** is a bottom plan view thereof; and,

FIG. **6** is a cross-sectional view thereof, taken along line VI—VI of FIG. **5**.

The broken lines shown are included for the purpose of illustrating environmental structures and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



U.S. PATENT DOCUMENTS

7,473,013	B2 *	1/2009	Shimada	362/327
7,554,742	B2 *	6/2009	Chinniah et al.	359/641
7,566,148	B2 *	7/2009	Noh et al.	362/305
7,618,160	B2 *	11/2009	Chinniah et al.	362/326
2003/0063474	A1 *	4/2003	Coushaine	362/517
2004/0212998	A1 *	10/2004	Mohacsi	362/294
2004/0264196	A1 *	12/2004	Shu	362/294
2004/0264199	A1 *	12/2004	Shu et al.	362/327
2005/0023538	A1 *	2/2005	Ishii et al.	257/79
2005/0024744	A1 *	2/2005	Falicoff et al.	359/737
2005/0201118	A1 *	9/2005	Godo	362/555
2006/0284305	A1 *	12/2006	Yen et al.	257/708
2007/0109791	A1 *	5/2007	Chinniah et al.	362/334
2009/0129097	A1 *	5/2009	Ewert et al.	362/328

* cited by examiner

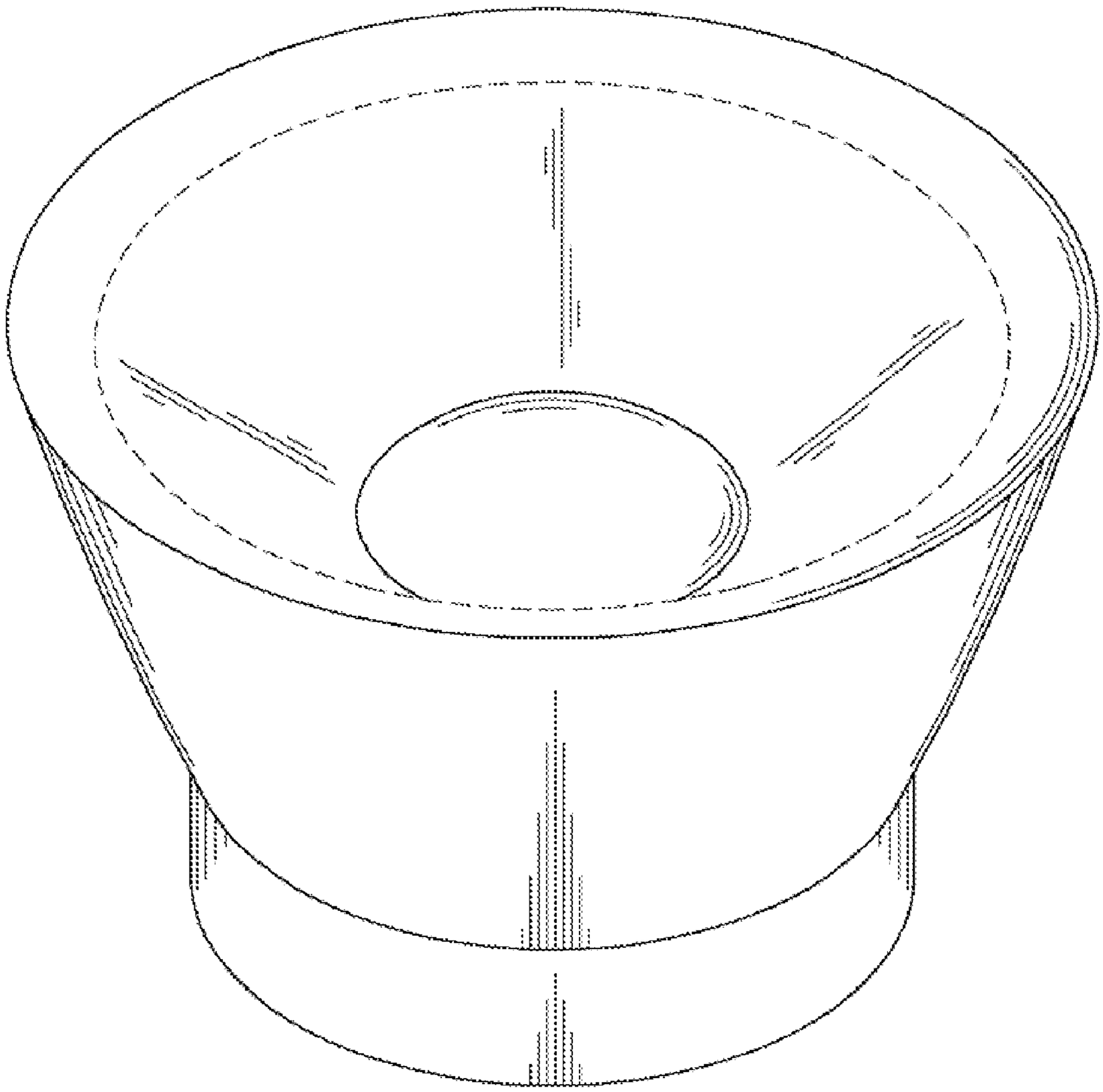


FIG. 1

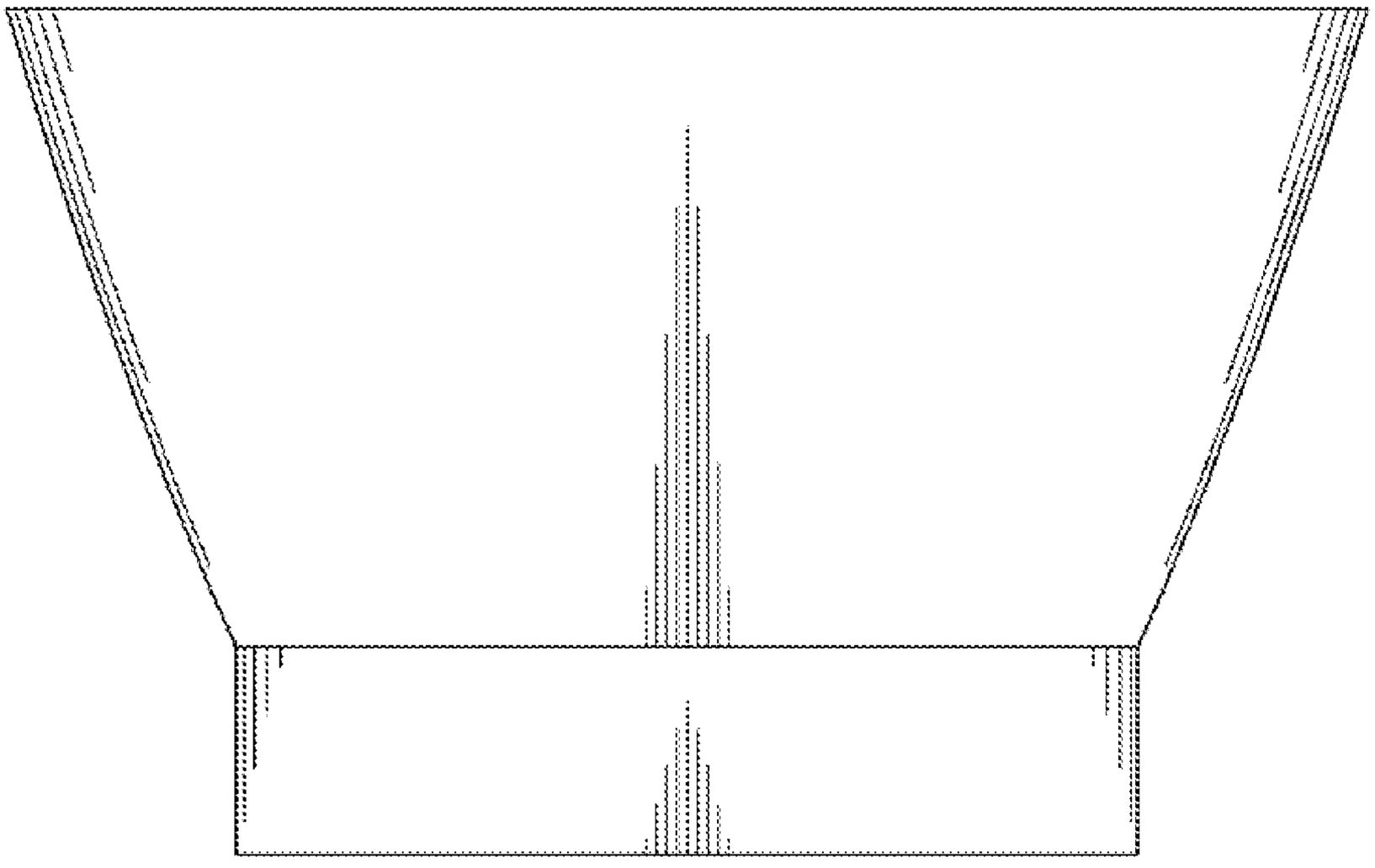


FIG. 2

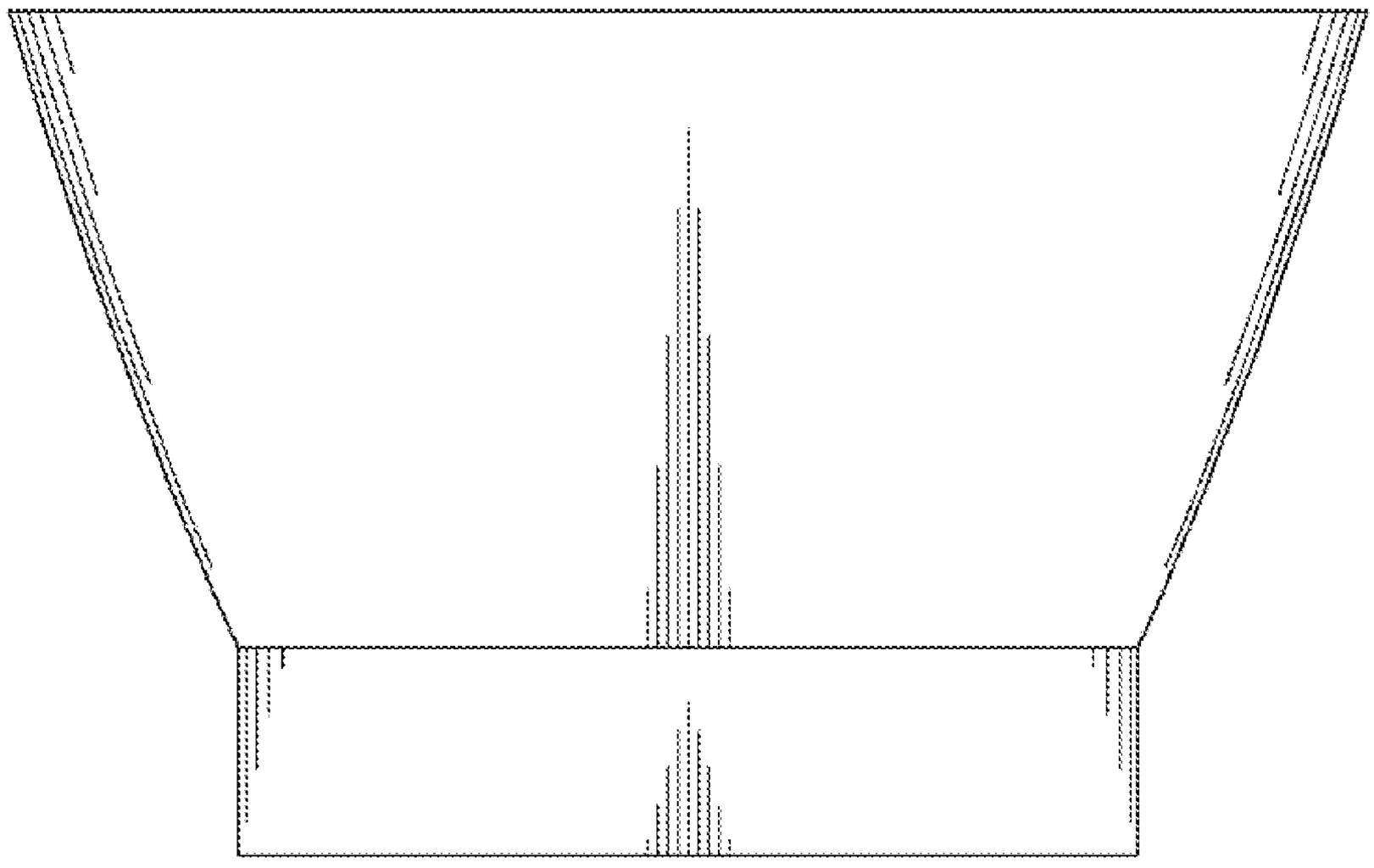


FIG. 3

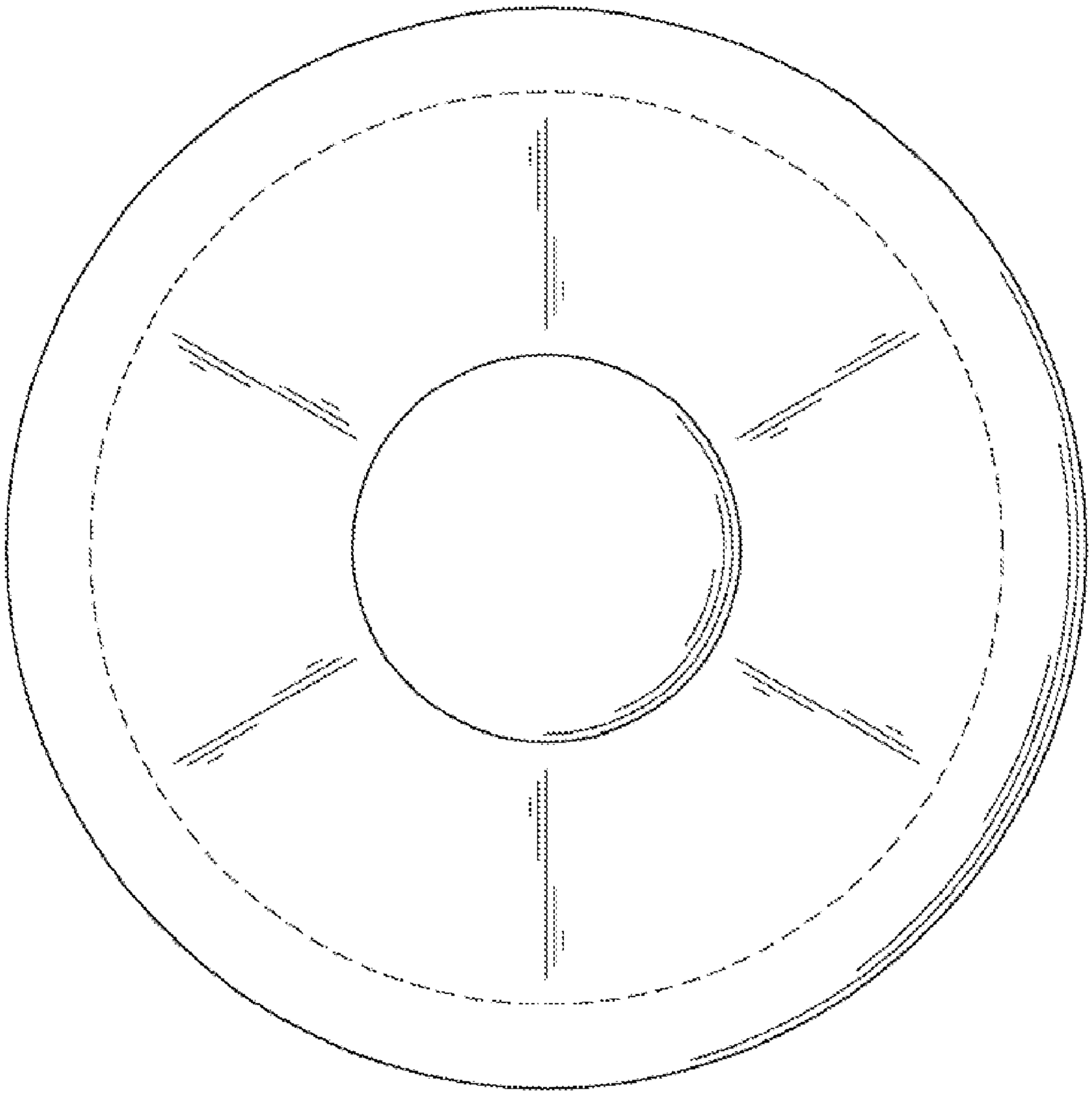


FIG. 4

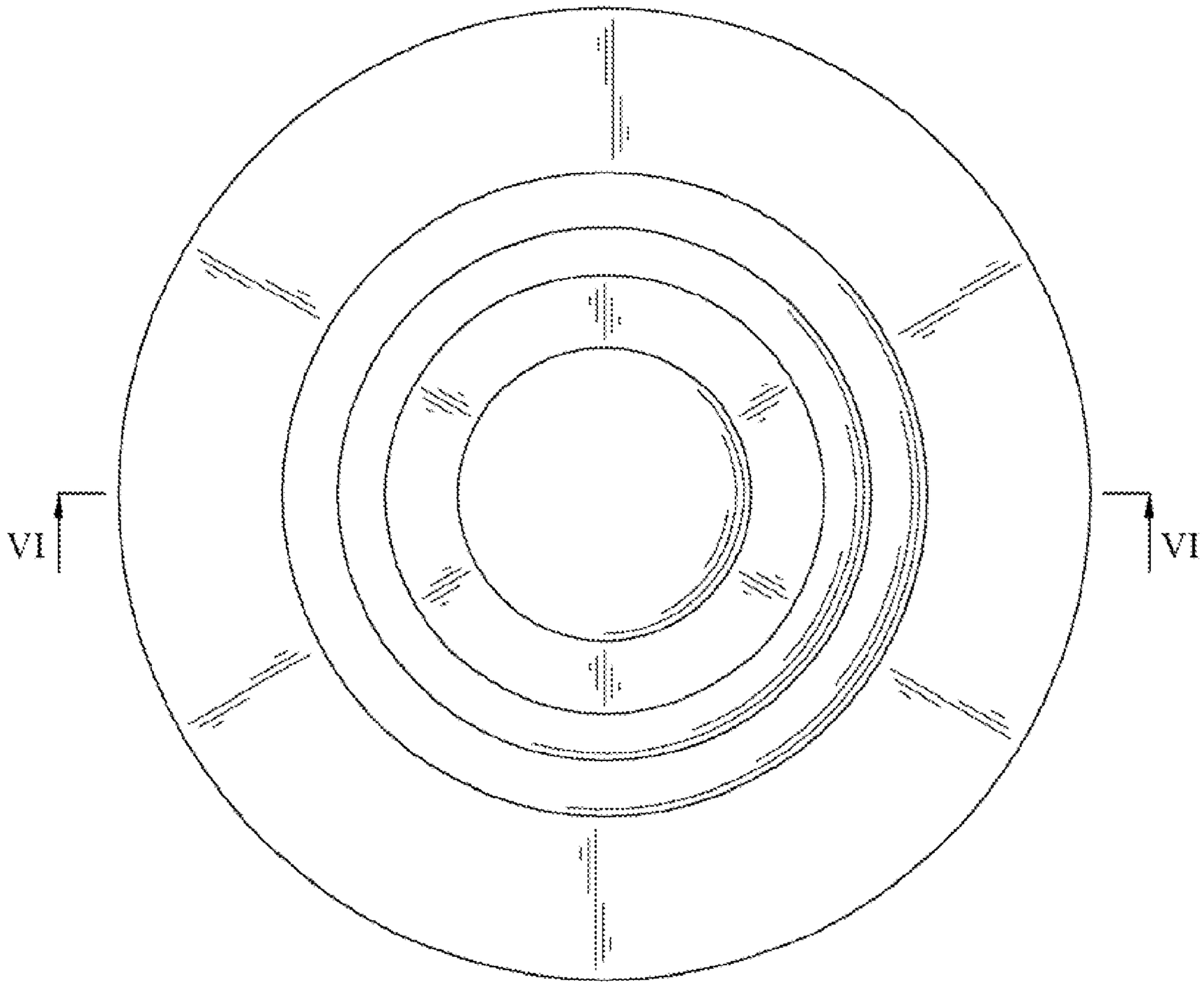


FIG. 5

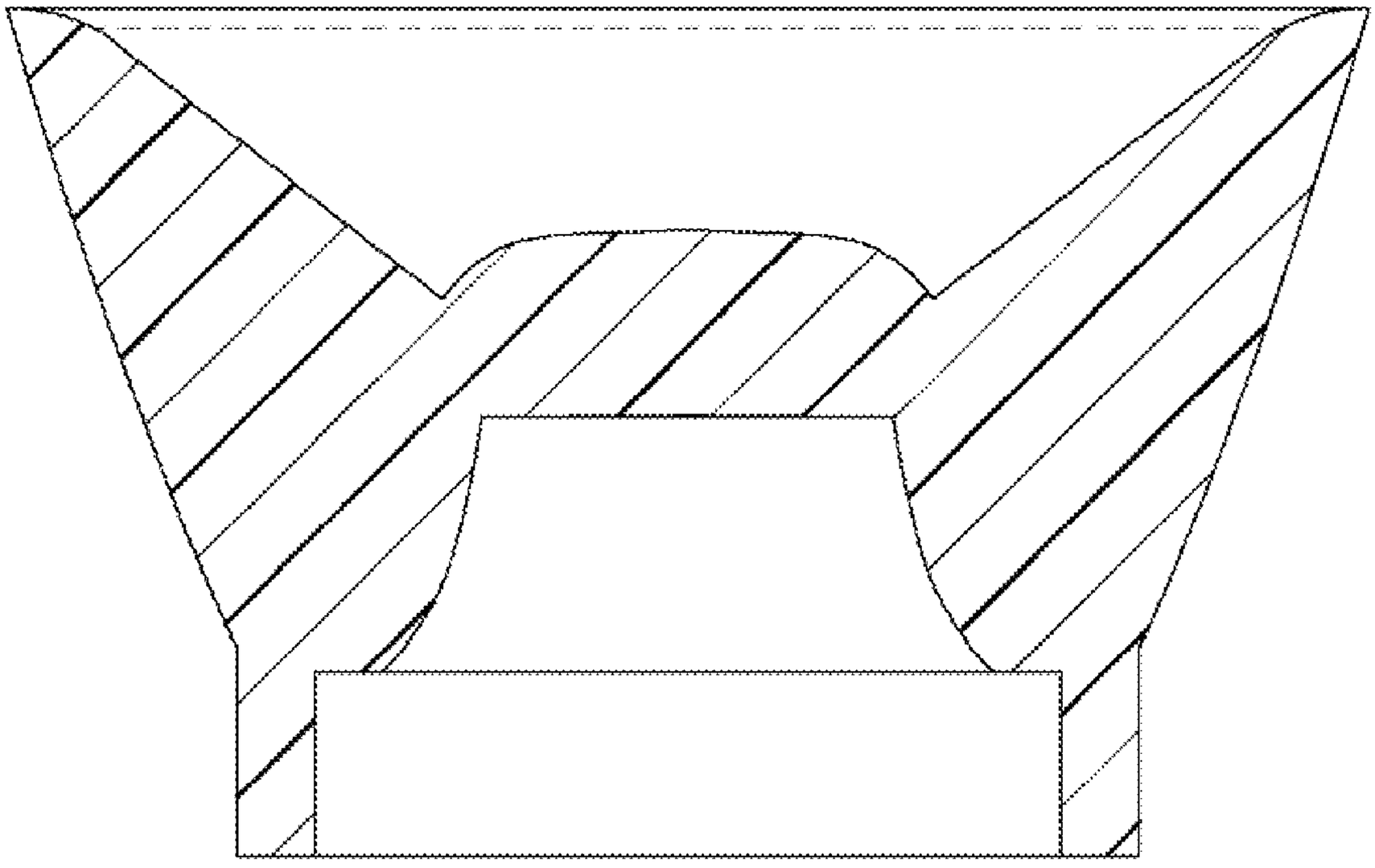


FIG. 6