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Riker et al.

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(54) **TARGET PROFILE FOR A PHYSICAL VAPOR DEPOSITION CHAMBER TARGET**

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

(21) Appl. No.: **29/524,109**

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

(52) **U.S. Cl.**
USPC **D13/182**

(58) **Field of Classification Search**
USPC D13/182; D15/144.1, 144.2, 199
CPC H01L 21/67742; H01L 21/0226; H01L 21/02263; H01L 21/02266; H01L 21/02269; H01L 21/02271; H01L 2224/75186; H01L 2224/76185; H01L 2224/76186; H01L 2221/68363
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,659,850	B2 *	12/2003	Korovin	.....	B24B 37/30 451/286
D557,226	S *	12/2007	Uchino	.....	D13/182
D614,593	S *	4/2010	Lee	.....	D13/182
D616,390	S *	5/2010	Sato	.....	D13/182
D633,452	S *	3/2011	Namiki	.....	D13/182
D691,974	S *	10/2013	Osada	.....	D13/182

D716,742	S *	11/2014	Jang	.....	D13/182
D724,553	S *	3/2015	Choi	.....	D13/182
D741,823	S *	10/2015	Tateno	.....	D13/182
D769,200	S *	10/2016	Fukushima	.....	D13/182
D770,992	S *	11/2016	Tauchi	.....	D13/182
2005/0152089	A1 *	7/2005	Matsuda	.....	H02N 13/00 361/234
2005/0193952	A1 *	9/2005	Goodman	.....	H01J 37/32871 118/728

OTHER PUBLICATIONS

U.S. Appl. No. 29/524,557, filed Apr. 21, 2015, Zhang et al.
U.S. Appl. No. 29/530,683, filed Jun. 18, 2015, Hanson et al.

* cited by examiner

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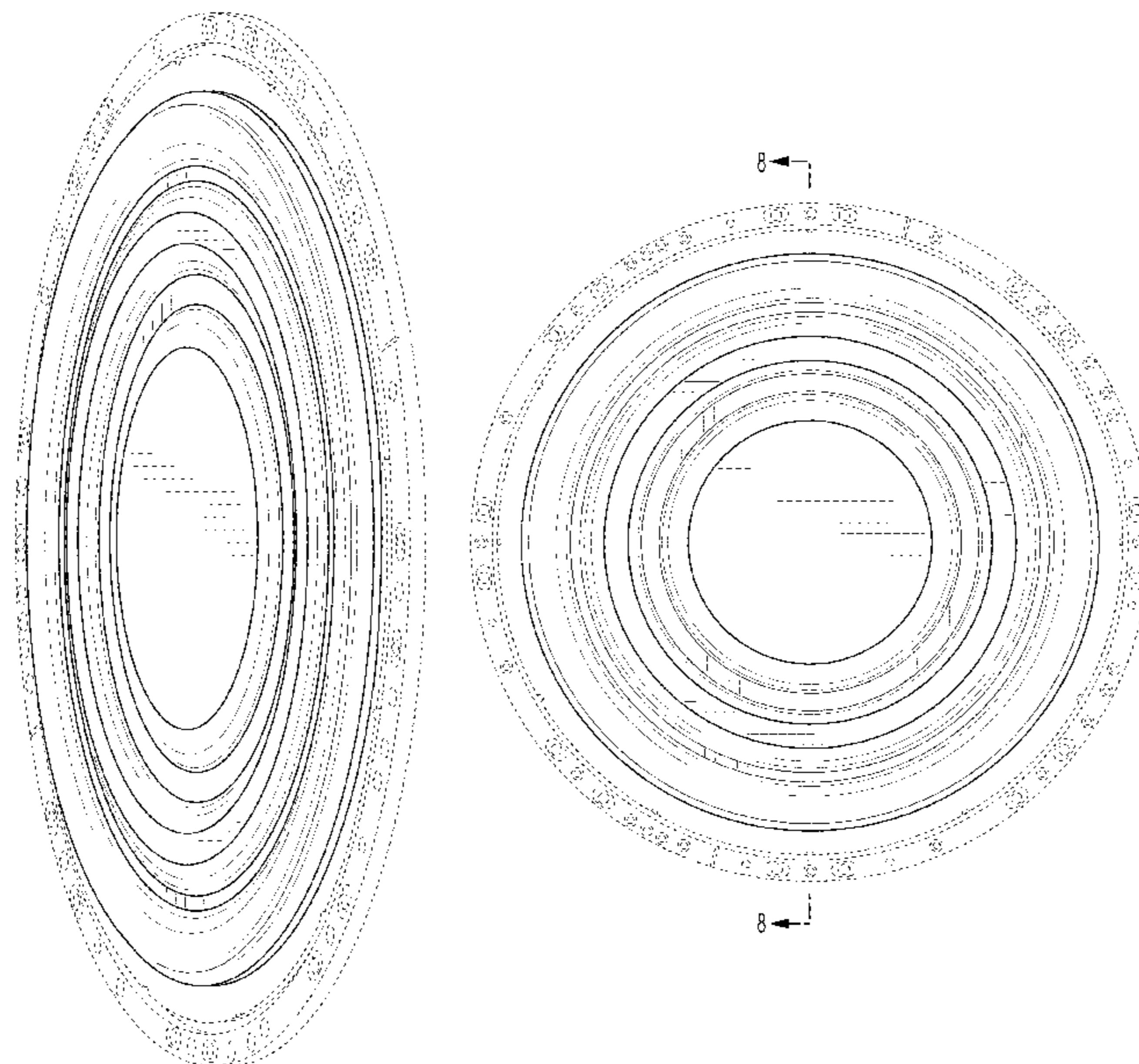
(57) **CLAIM**

The ornamental design for a target profile for a physical vapor deposition chamber target, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a target profile for a physical vapor deposition chamber target, showing our new design; FIG. 2 is a top plan view thereof; FIG. 3 is a bottom plan view thereof; FIG. 4 is a right side elevation view thereof; FIG. 5 is a left side elevation view thereof; FIG. 6 is a front elevation view thereof; FIG. 7 is a back elevation view thereof; and, FIG. 8 is a cross-sectional view taken along line 8-8 in FIG. 2.
The broken lines in FIGS. 1-8 represent unclaimed environment and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



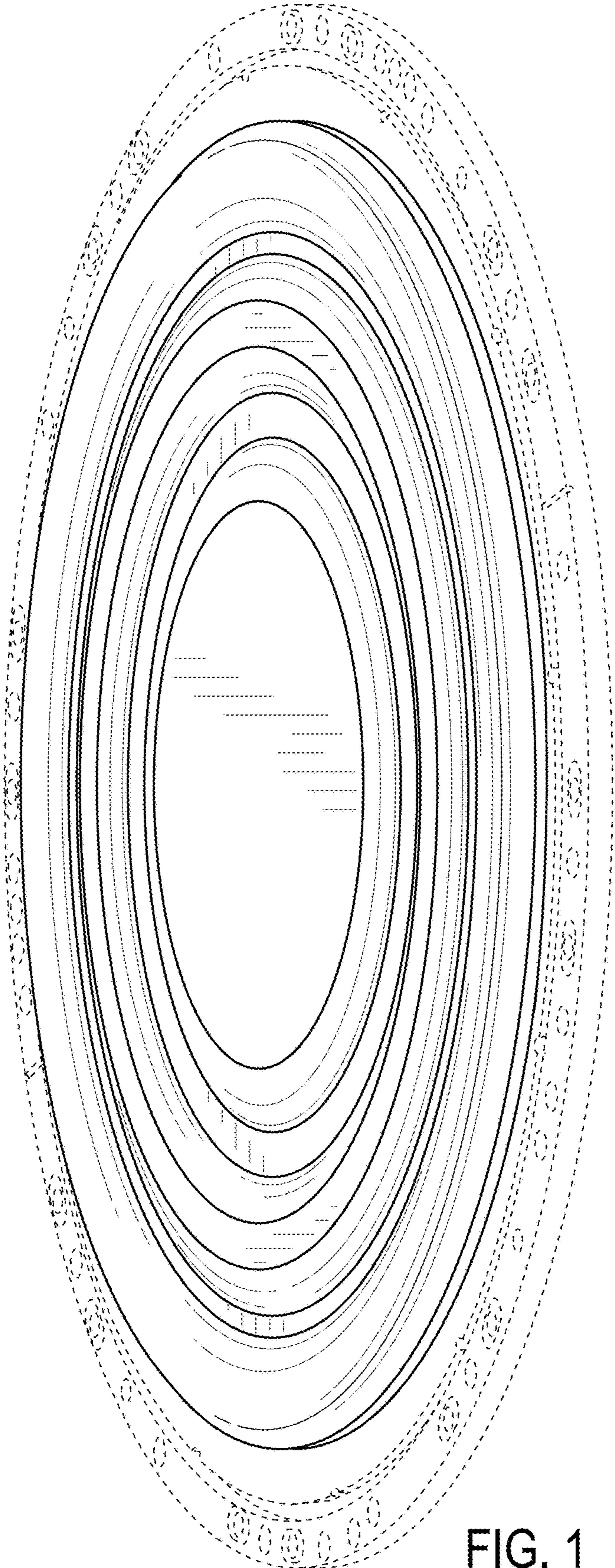


FIG. 1

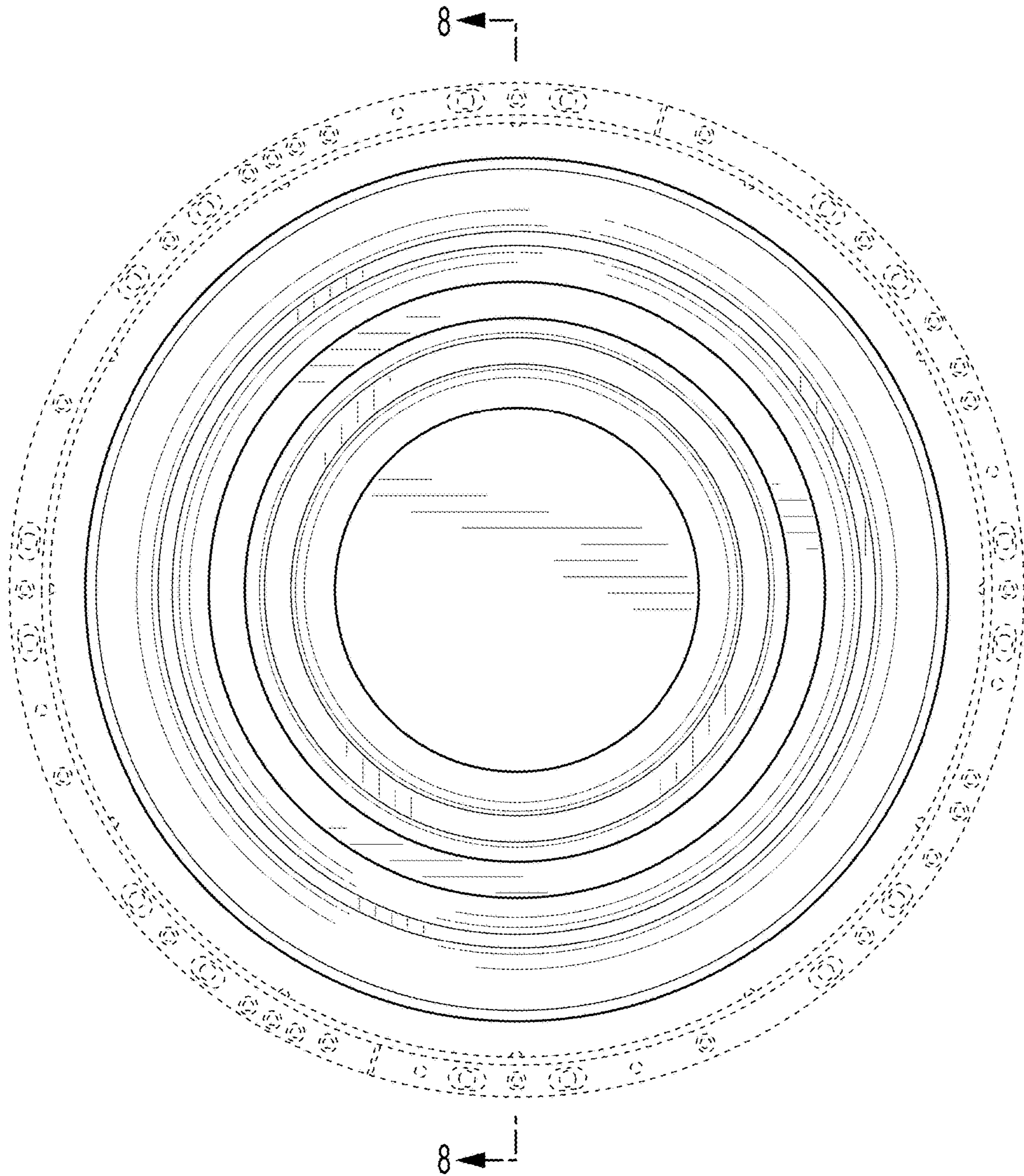


FIG. 2

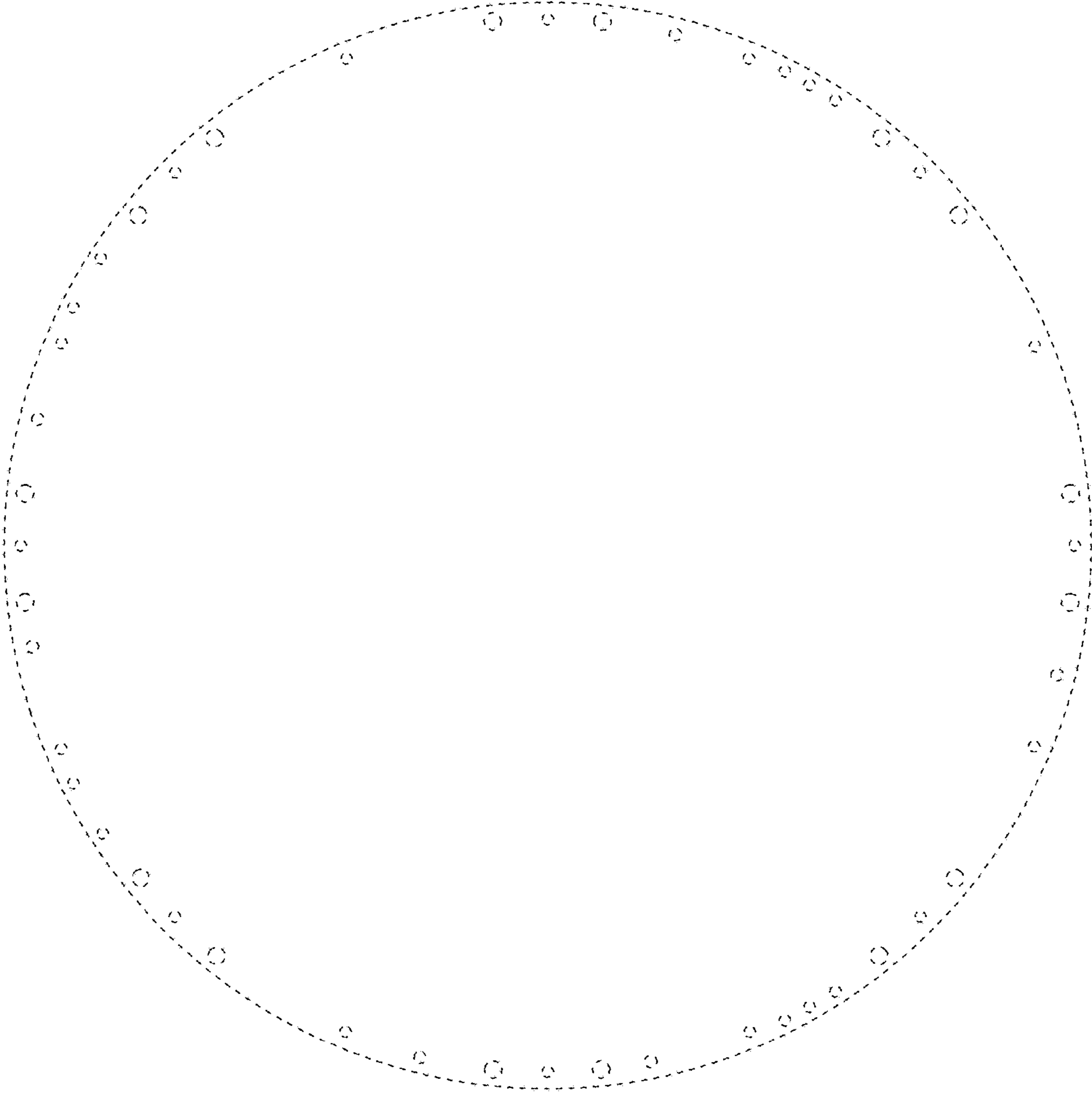


FIG. 3

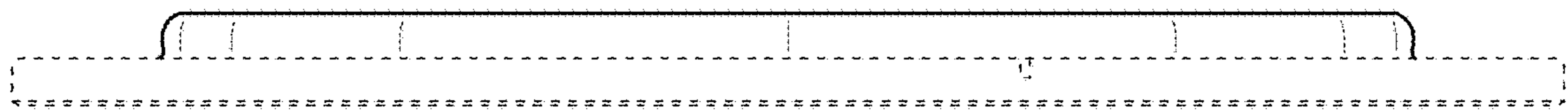


FIG. 4

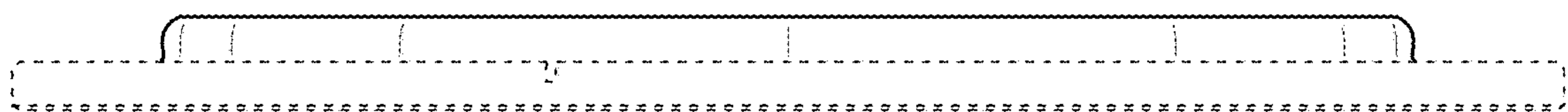


FIG. 5

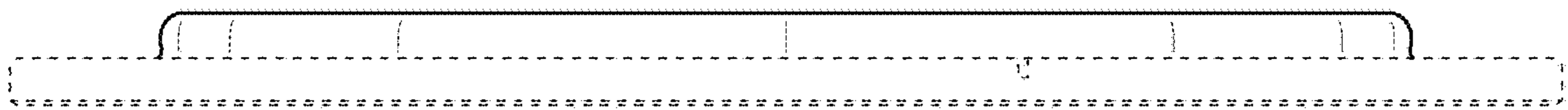


FIG. 6



FIG. 7

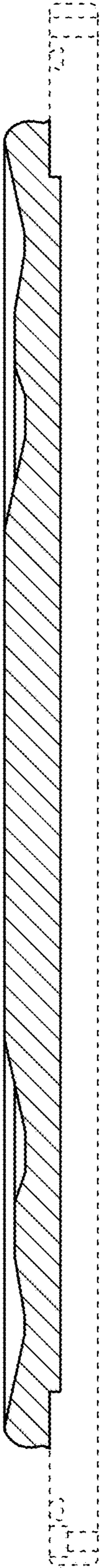


FIG. 8