



US00D703162S

(12) **United States Design Patent**
Tamaso

(10) **Patent No.:** **US D703,162 S**
(45) **Date of Patent:** **** Apr. 22, 2014**

- (54) **WAFER HOLDER FOR STEPPER**
- (71) Applicant: **Sumitomo Electric Industries, Ltd.,**
Osaka (JP)
- (72) Inventor: **Hideto Tamaso, Osaka (JP)**
- (73) Assignee: **Sumitomo Electric Industries, Ltd.,**
Osaka-shi (JP)

D614,593	S	*	4/2010	Lee et al.	.....	D13/182
D616,394	S	*	5/2010	Sato	.....	D13/182
D639,757	S	*	6/2011	Root et al.	.....	D13/182
D654,883	S	*	2/2012	Honma et al.	.....	D13/182
D654,884	S	*	2/2012	Honma et al.	.....	D13/182
D655,257	S	*	3/2012	Honma et al.	.....	D13/182
D655,259	S	*	3/2012	Honma et al.	.....	D13/182
D674,366	S	*	1/2013	Kajiwara	.....	D13/182
D674,761	S	*	1/2013	Iida et al.	.....	D13/182
D684,551	S	*	6/2013	Nguyen	.....	D13/182

* cited by examiner

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

(21) Appl. No.: **29/448,577**

(22) Filed: **Mar. 13, 2013**

(30) **Foreign Application Priority Data**

Oct. 17, 2012 (JP) 2012-025225

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

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

(58) **Field of Classification Search**
USPC D13/182; 118/500, 728, 729; 414/217,
414/222.01, 416.03, 935, 936, 937, 938,
414/939, 940, 941; 156/345.51, 345.52,
156/345.53

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D320,361	S	*	10/1991	Karasawa	.....	D10/103
5,310,339	A	*	5/1994	Ushikawa	.....	432/253
6,095,806	A	*	8/2000	Suzuki et al.	.....	432/241
7,100,954	B2	*	9/2006	Klein et al.	.....	294/64.3
D544,452	S	*	6/2007	Nakamura et al.	.....	D13/182
D552,565	S	*	10/2007	Nakamura et al.	.....	D13/182
D583,779	S	*	12/2008	Kuriyama et al.	.....	D13/182
D589,474	S	*	3/2009	Ogasawara et al.	.....	D13/182
D589,912	S	*	4/2009	Ogasawara et al.	.....	D13/182
D606,952	S	*	12/2009	Lee et al.	.....	D13/182
7,644,968	B2	*	1/2010	Hirooka et al.	.....	294/103.1
D609,652	S	*	2/2010	Nagasaka et al.	.....	D13/182

Primary Examiner — Elizabeth J Oswecki

(74) *Attorney, Agent, or Firm* — Venable LLP; Michael A. Sartori; Tamatane J. Aga

(57) **CLAIM**

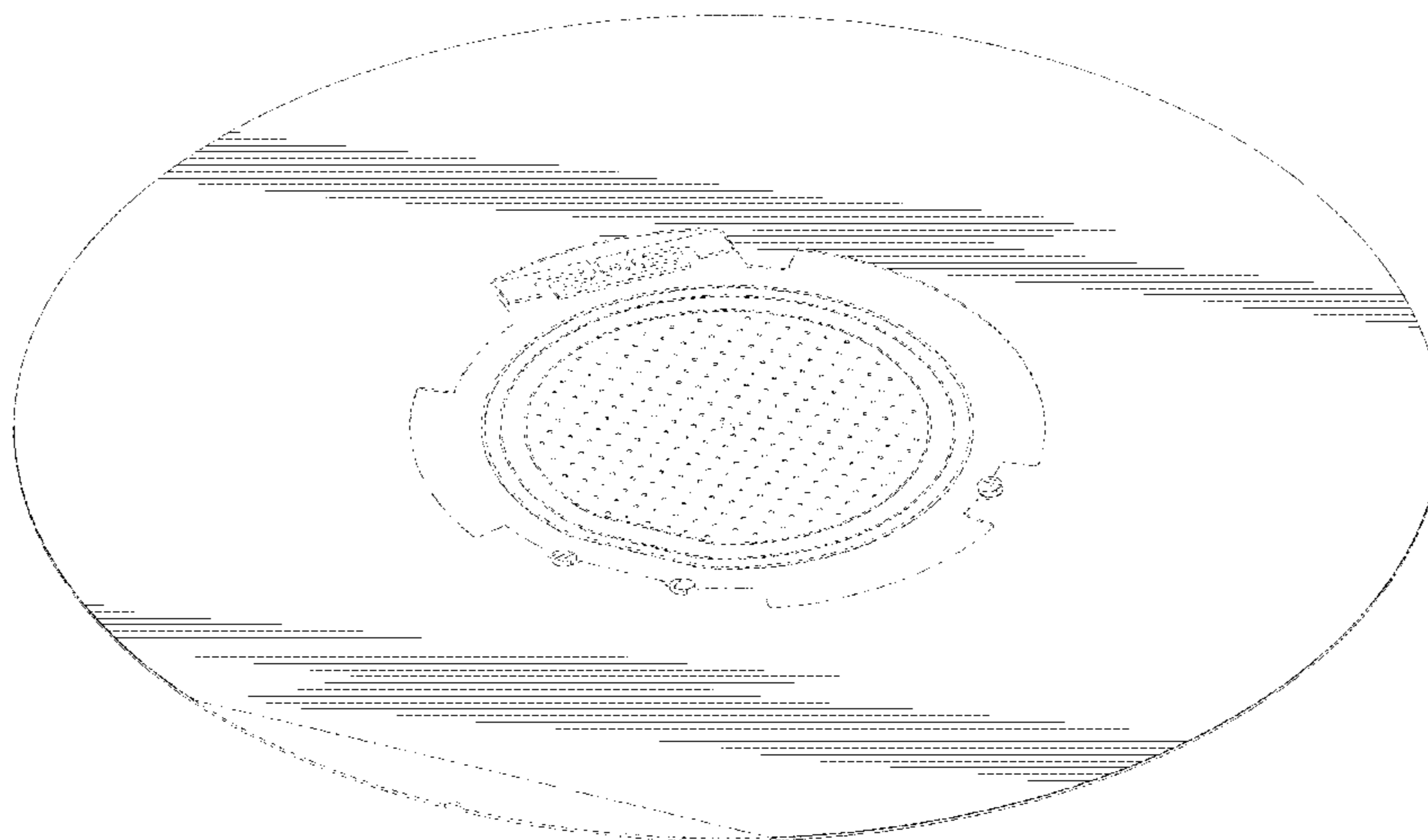
The ornamental design for a wafer holder for a stepper, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a wafer holder for a stepper showing my new design;
 FIG. 2 is a rear view thereof;
 FIG. 3 is a top plan view thereof;
 FIG. 4 is a bottom plan view thereof;
 FIG. 5 is a right side view thereof;
 FIG. 6 is a left side view thereof;
 FIG. 7 is a front perspective view thereof, wherein each of the three pins leans toward the center of the holder;
 FIG. 8 is a cross sectional view taken along line 8-8 of FIG. 3;
 FIG. 9 is an enlarged portion view taken along line 9-9 of FIG. 6;
 FIG. 10 is an enlarged portion view taken along line 10-10 of FIG. 5; and,
 FIG. 11 is an enlarged portion view taken along line 11-11 of FIG. 1.

The broken lines shown in the drawings represent portions of the wafer holder for a stepper that form no part of the claimed design.

1 Claim, 10 Drawing Sheets



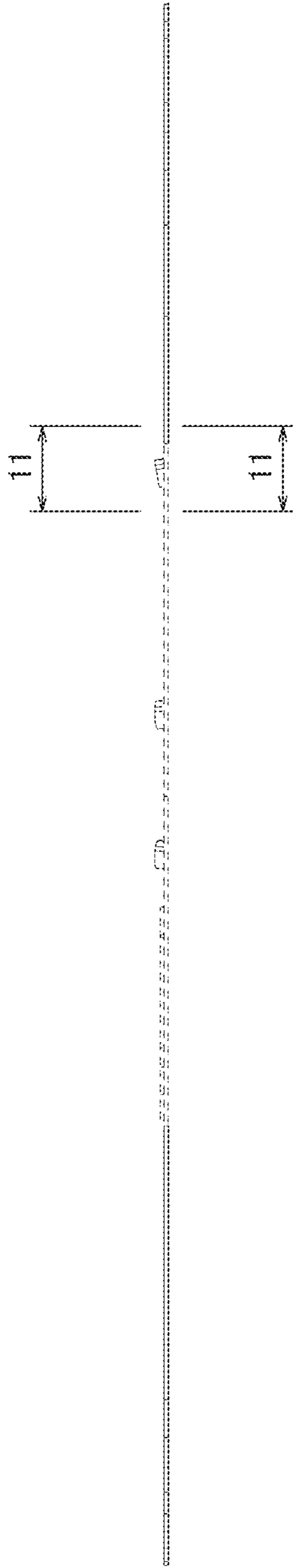


FIG.1

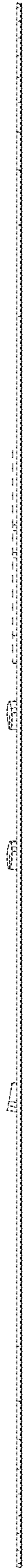


FIG.2

FIG.3

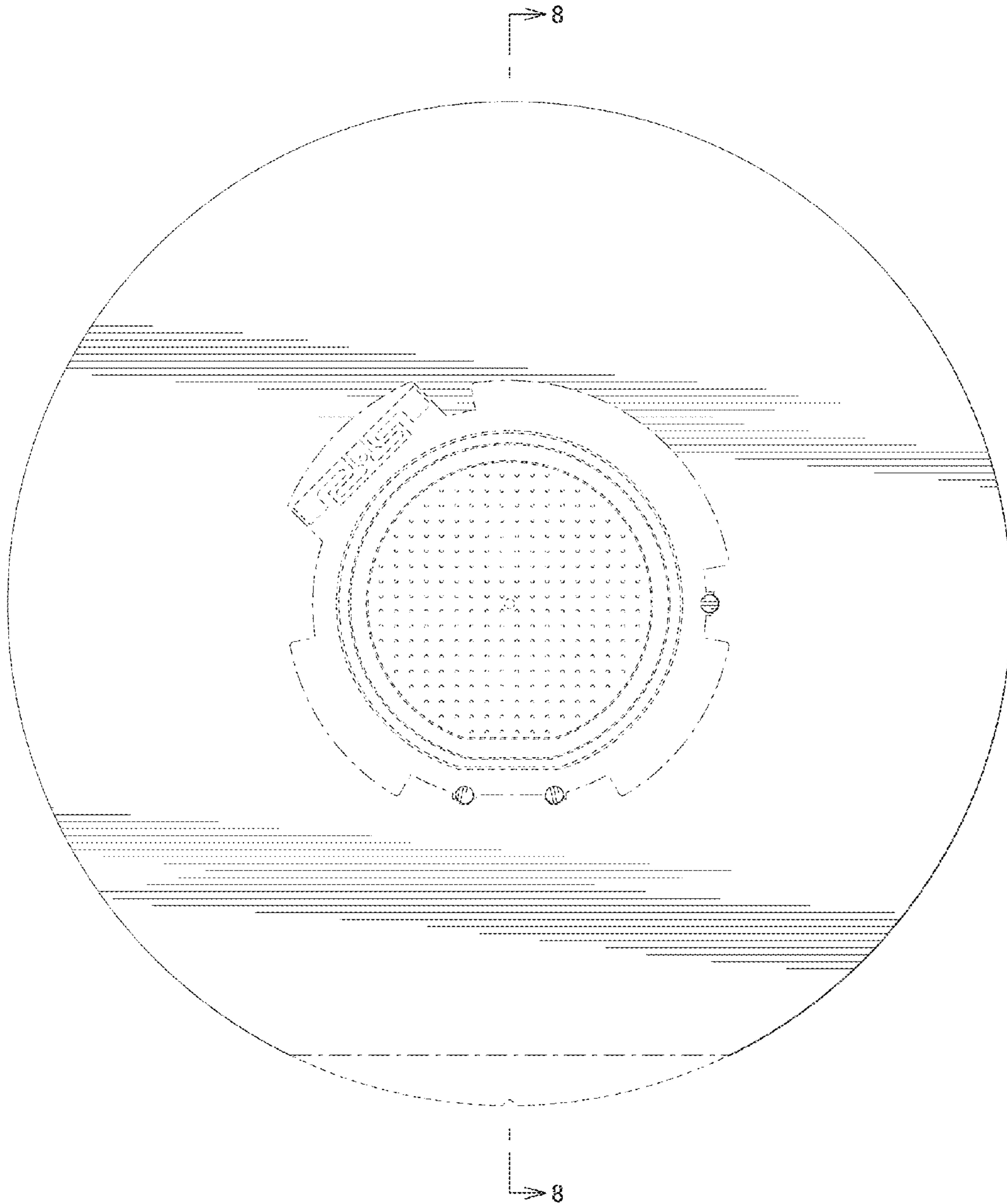
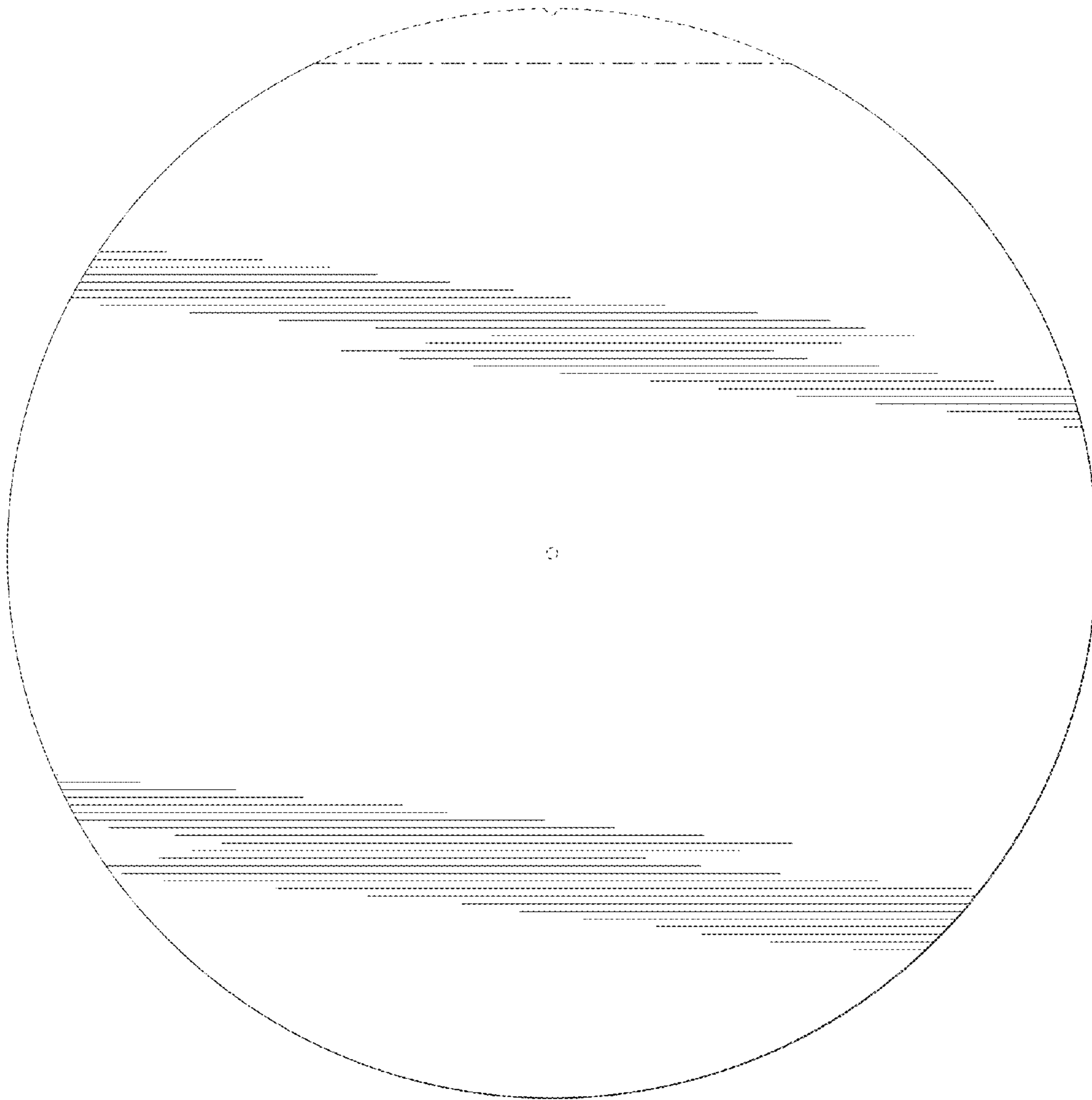


FIG.4



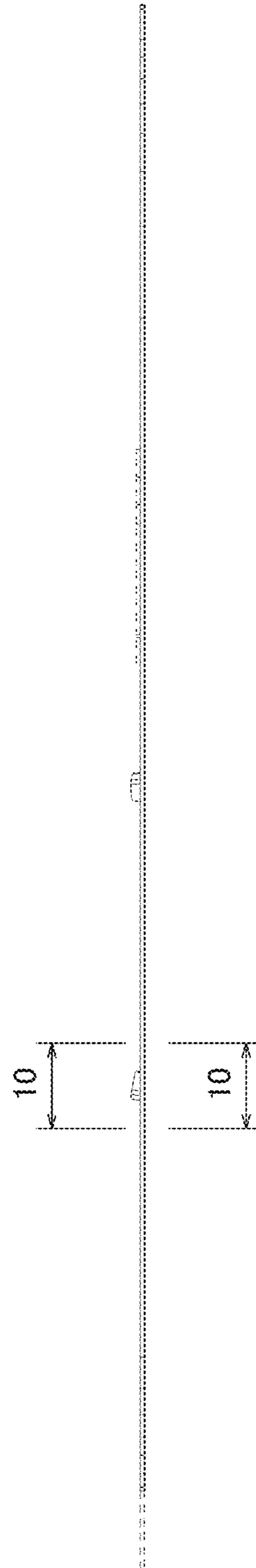


FIG.5

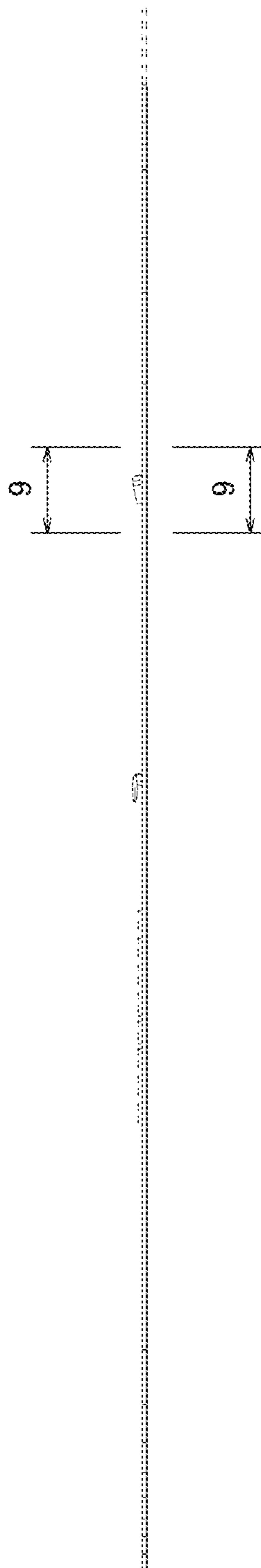


FIG.6

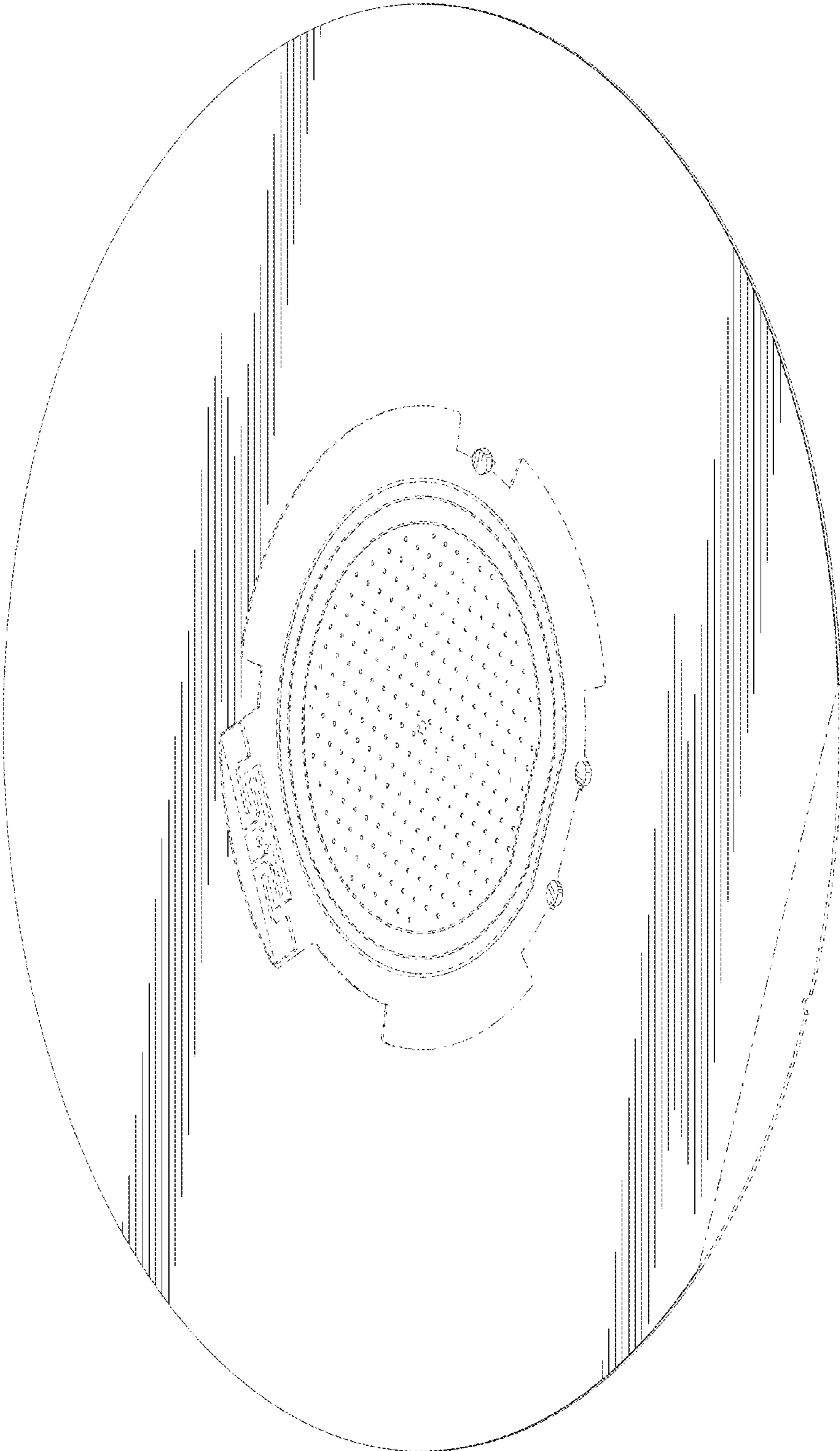


FIG.7



FIG. 8

FIG.9

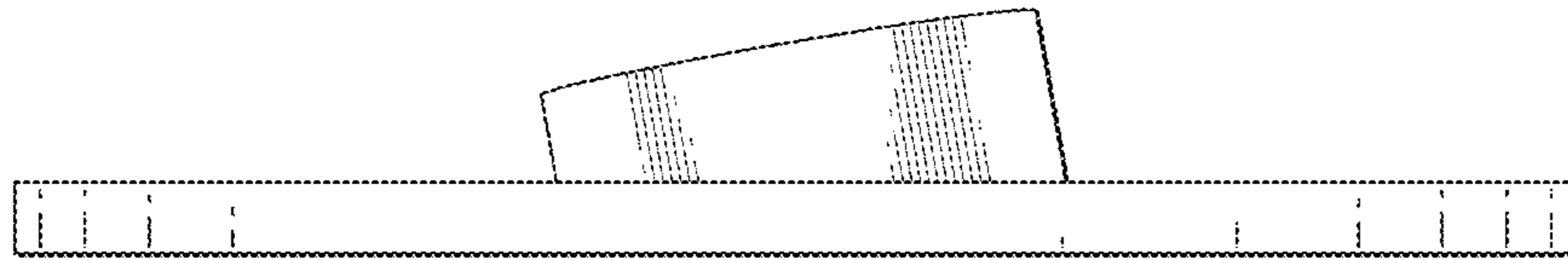


FIG.10

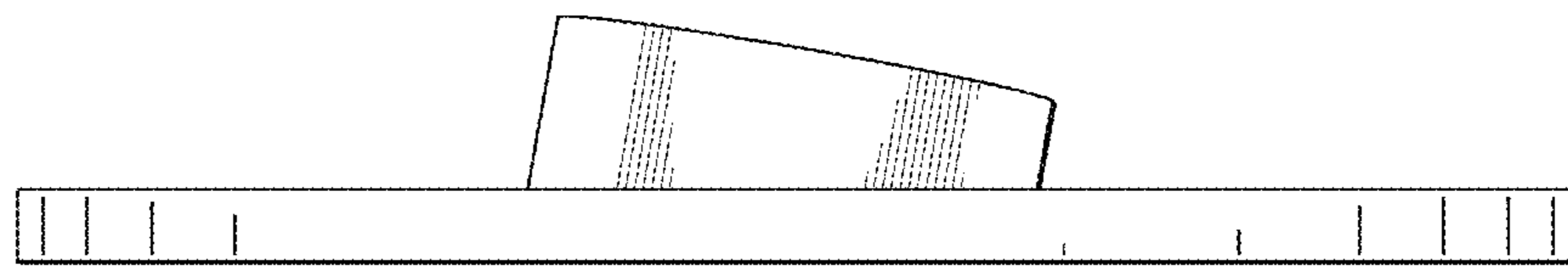


FIG.11

