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

(10) **Patent No.:** **US D827,592 S**  
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(54) **ELECTRODE COVER FOR A PLASMA PROCESSING APPARATUS**

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(73) Assignee: **Hitachi High-Technologies Corporation**, Tokyo (JP)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/610,995**

(22) Filed: **Jul. 18, 2017**

(30) **Foreign Application Priority Data**

Jan. 31, 2017 (JP) ..... 2017-001752

(51) **LOC (11) Cl.** ..... **13-03**

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

(58) **Field of Classification Search**  
USPC ..... D13/158-177, 182, 18; 204/286.1, 204/297.1; 205/118, 123; 200/1 R, 5 R,  
(Continued)

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(57) **CLAIM**

The ornamental design for an electrode cover for a plasma processing apparatus, as shown and described.

**DESCRIPTION**

This application contains subject matter related to the following co-pending U.S. design patent applications:

Application Ser. No. 29/610,996, filed herewith and entitled “Electrode Cover for a Plasma Processing Apparatus”;

Application Ser. No. 29/610,998, filed herewith and entitled “Ring for a Plasma Processing Apparatus”;

Application Ser. No. 29/610,999, filed herewith and entitled “Cover Ring for a Plasma Processing Apparatus”; and

Application Ser. No. 29/611,001, filed herewith and entitled “Discharge Chamber for a Plasma Processing Apparatus”.

FIG. 1 is a front, top and right side perspective view of an electrode cover for a plasma processing apparatus, showing our new design;

FIG. 2 is a front, bottom and right side perspective view thereof;

FIG. 3 is a front elevational view thereof;

FIG. 4 is a rear elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a left side elevational view thereof;

FIG. 7 is a top plan view thereof;

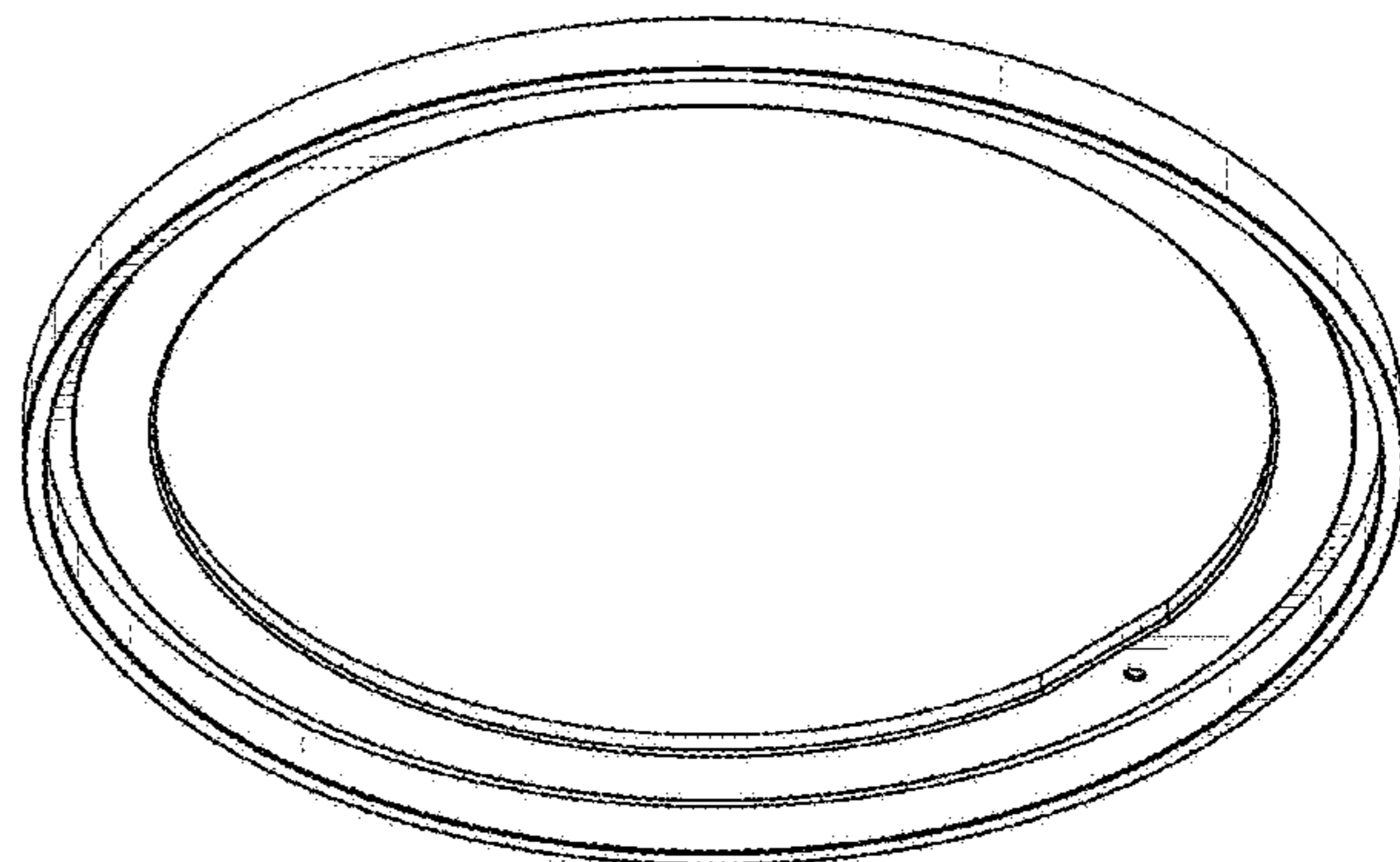
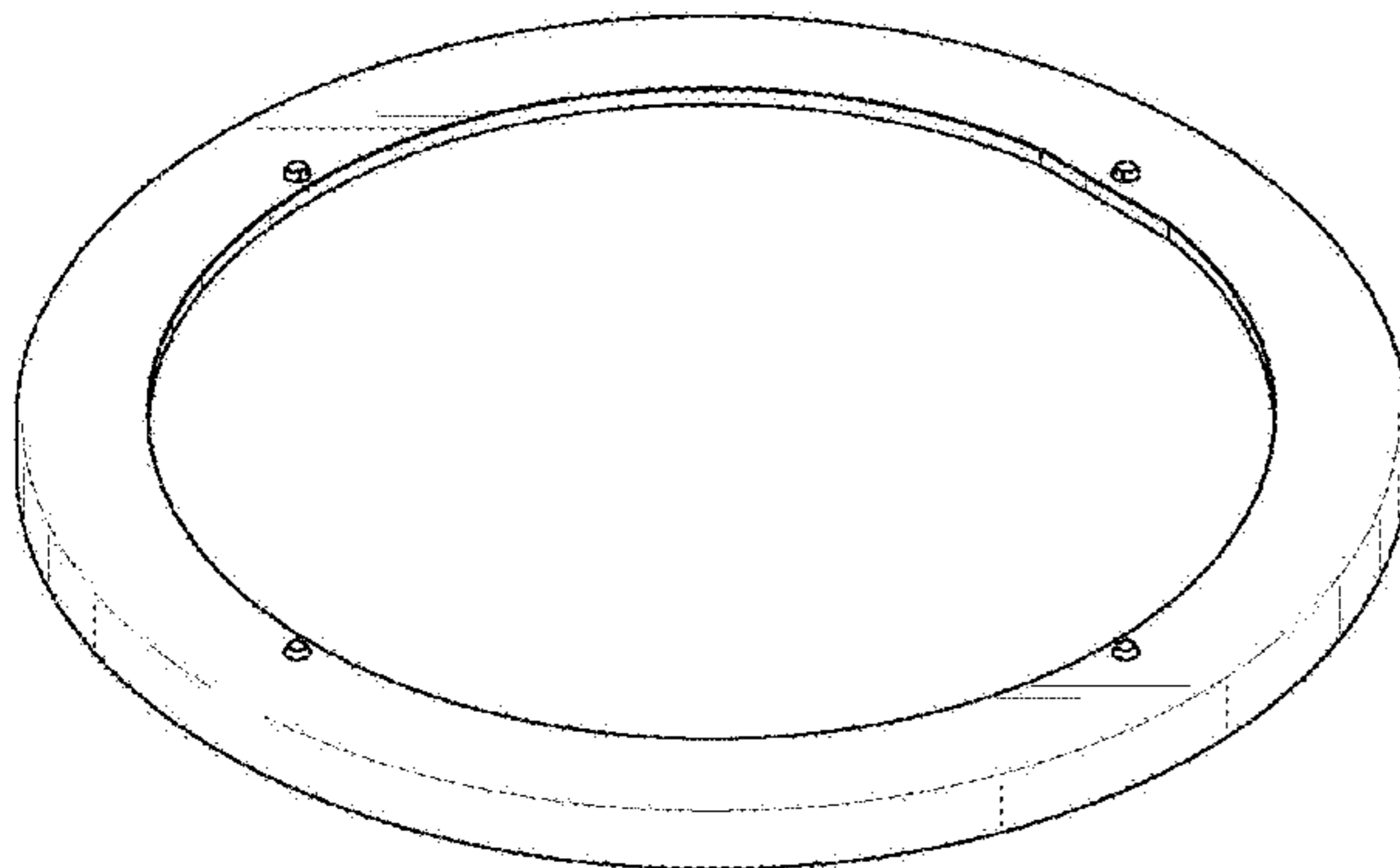
FIG. 8 is a bottom plan view thereof;

FIG. 9 is a cross-sectional view taken along line 9-9 of FIG. 3; and,

FIG. 10 is an enlarged view of the portion shown in BOX 10 in FIG. 9.

The box labeled FIG. 10 in FIG. 9 is shown in broken lines and forms no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(58) **Field of Classification Search**  
 USPC ... 200/52 R, 315, 310, 6 A, 302.1, 308, 314,  
 200/317, 11 R, 16 B  
 CPC ..... C25D 17/10; C25D 17/12; C25D 17/14;  
 C25D 17/06; C25D 17/08; C25D 7/12;  
 C25D 7/10; H01L 21/283; H01H 9/02;  
 H01H 9/0214; H01H 9/04; H01H 9/161;  
 H01H 13/04; H01H 13/06; H01H 13/023;  
 H01H 21/08; H01H 19/025  
 See application file for complete search history.

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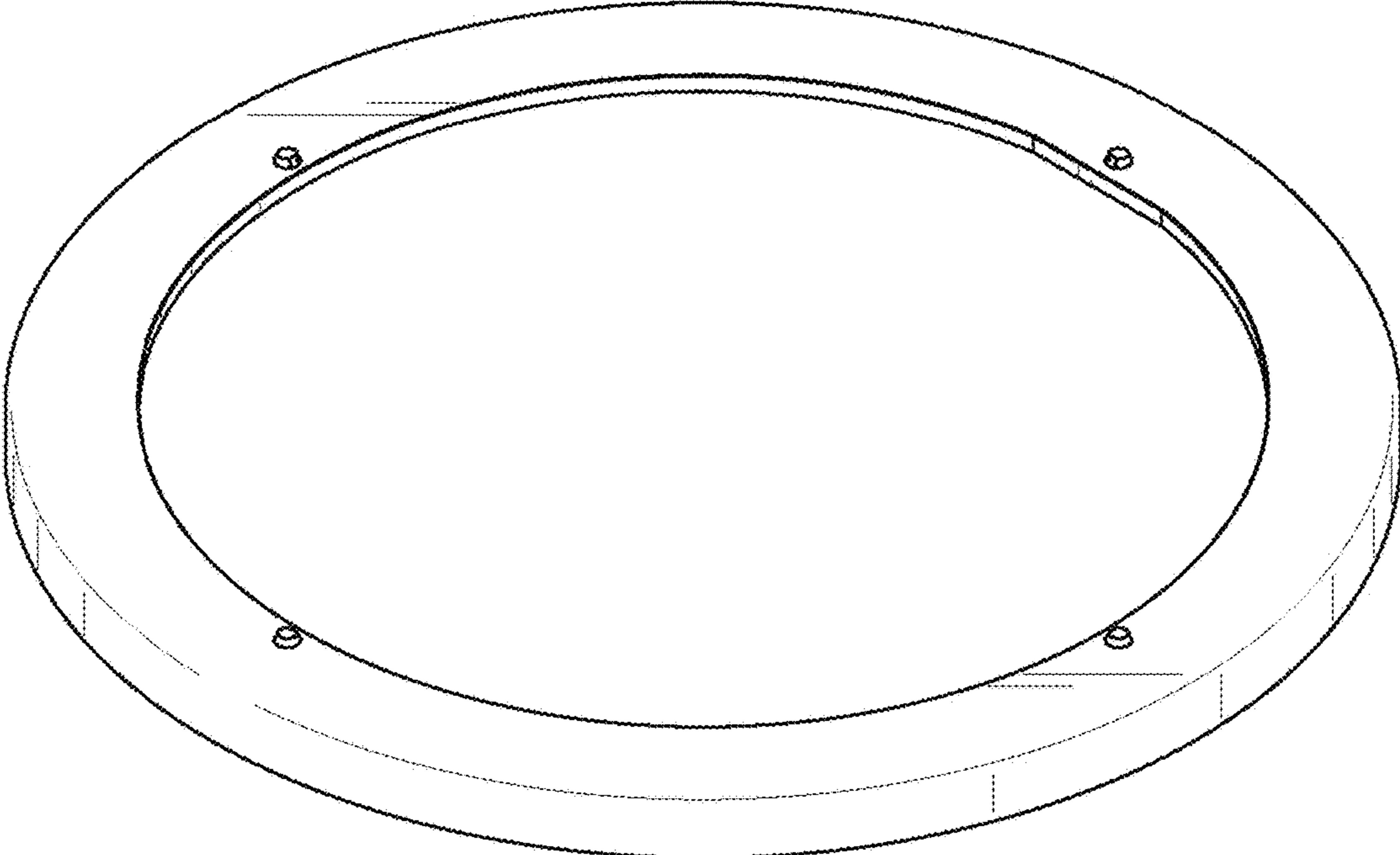


FIG. 1

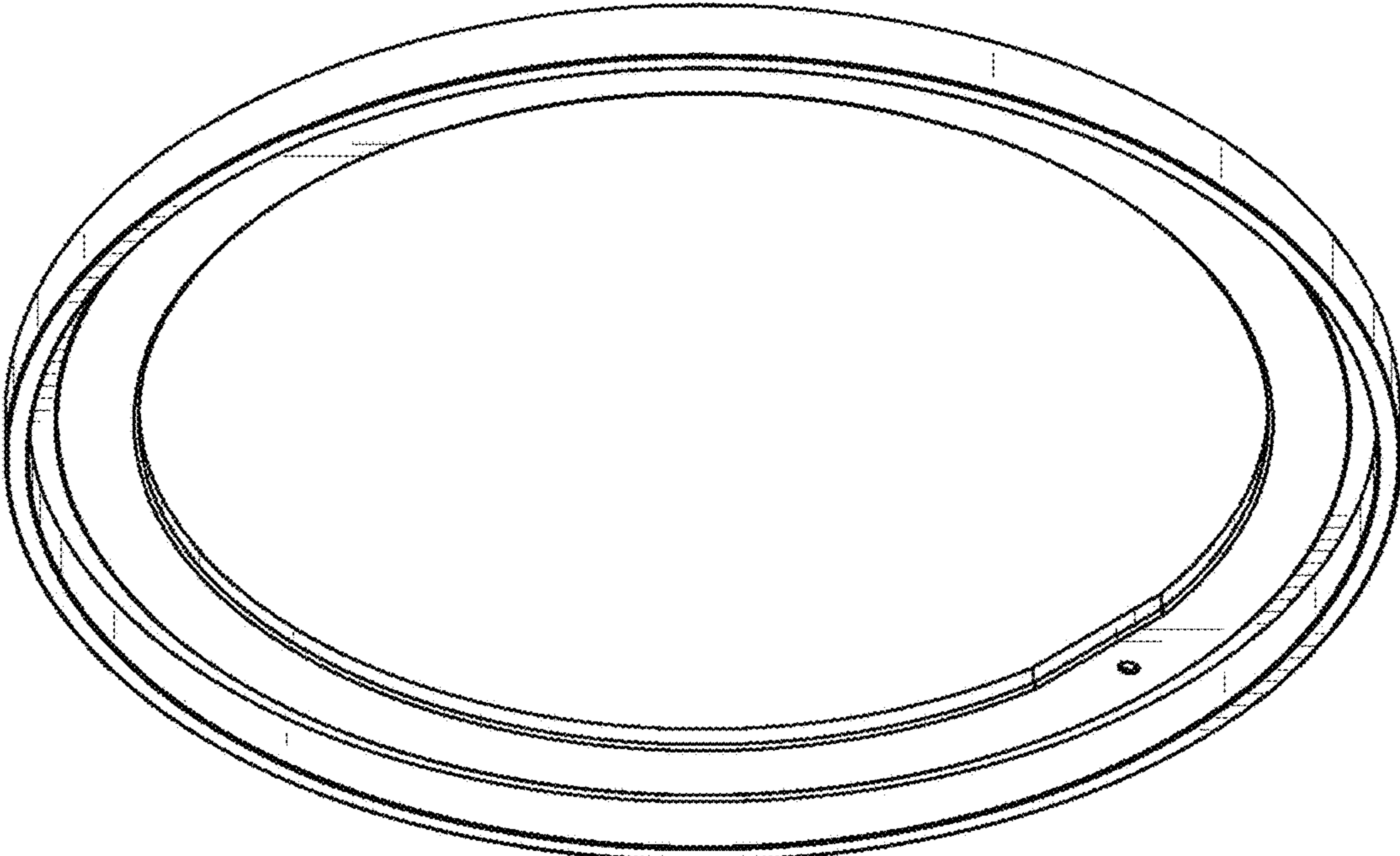


FIG. 2

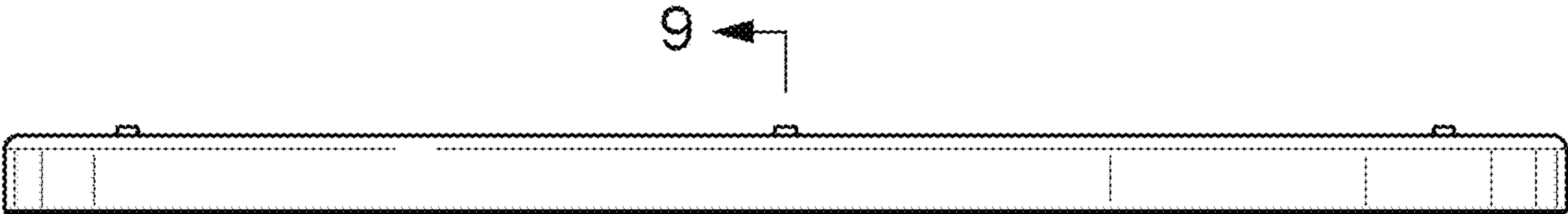


FIG. 3



FIG. 4



FIG. 5



FIG. 6

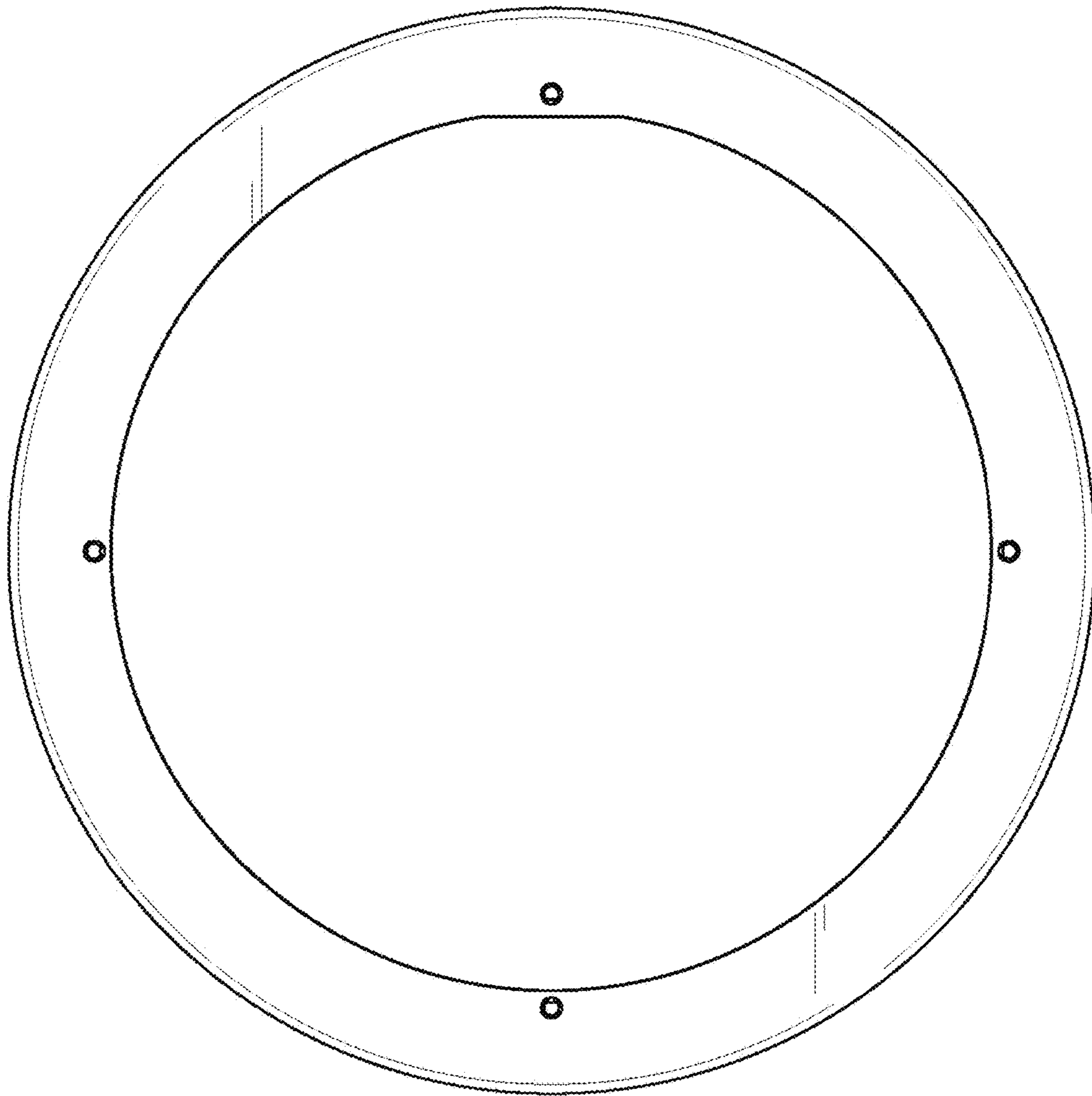


FIG. 7

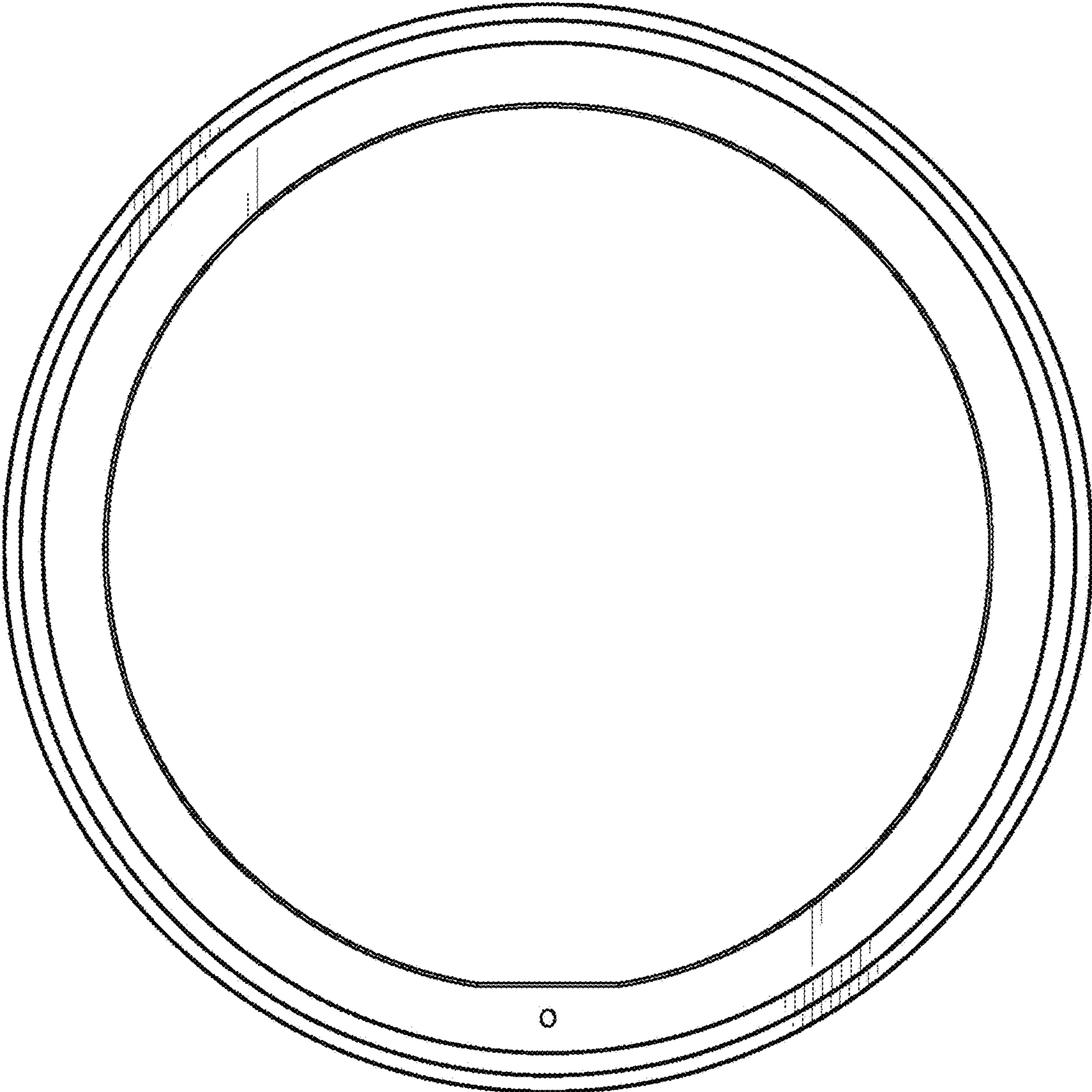


FIG. 8

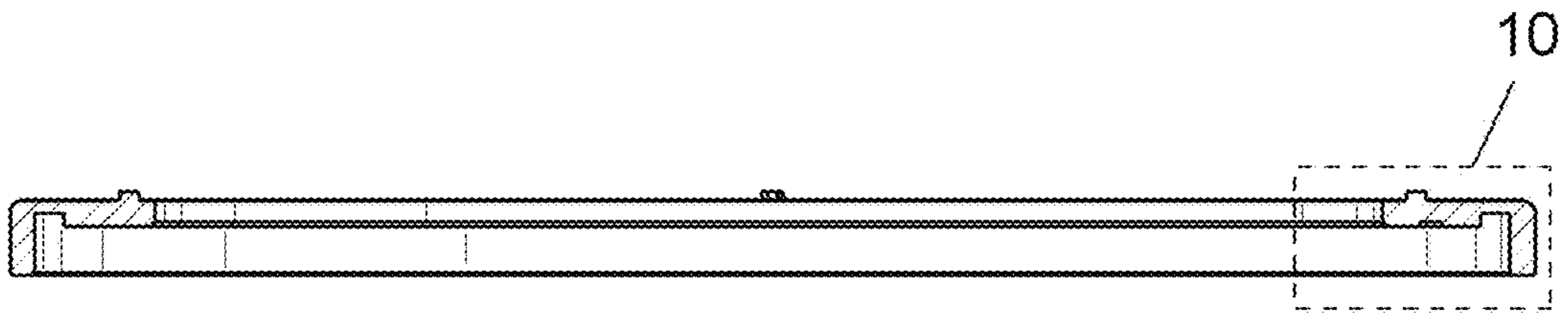


FIG. 9

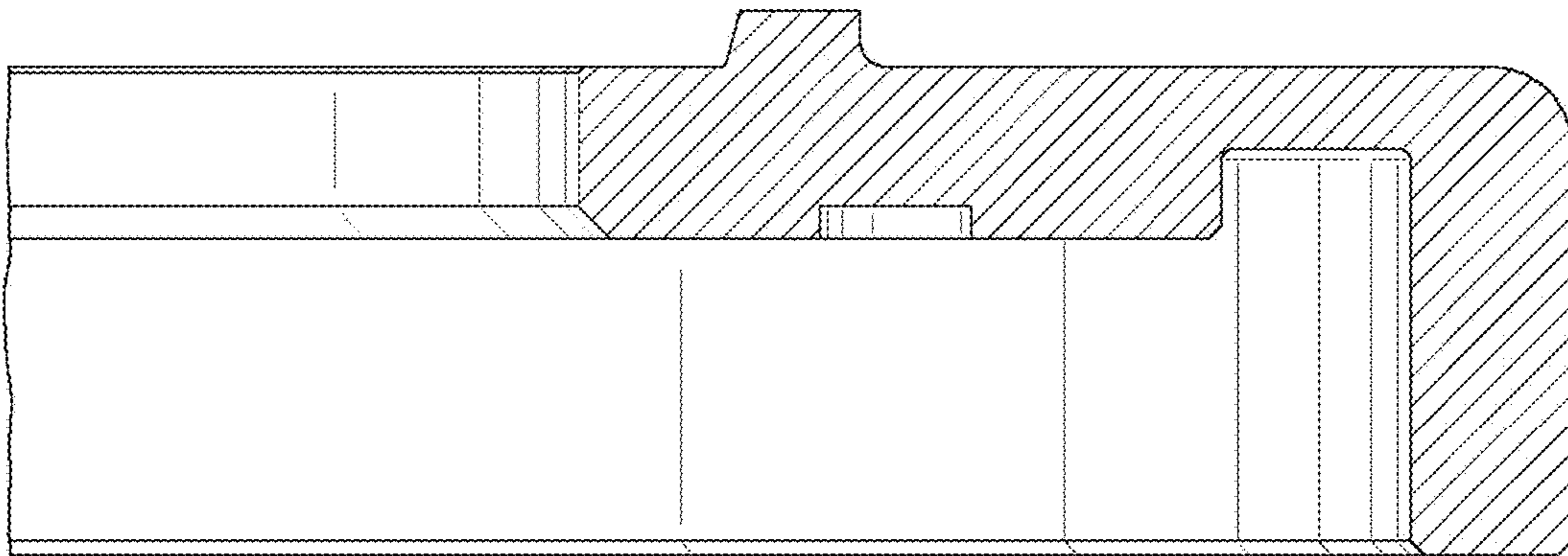


FIG. 10