

US00D709538S

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

(10) **Patent No.:** **US D709,538 S**
(45) **Date of Patent:** **** Jul. 22, 2014**

(54) **FOCUSING RING**

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

(21) Appl. No.: **29/417,077**

(22) Filed: **Mar. 29, 2012**

(30) **Foreign Application Priority Data**

Sep. 30, 2011 (JP) D2011-022451

(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/138**

(58) **Field of Classification Search**
USPC D13/182; D15/138, 144, 144.1, 144.2,
D15/199; 414/147, 217, 935-941; 437/247,
437/946

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D363,464 S	10/1995	Fukasawa	
D404,370 S *	1/1999	Kimura	D13/182
D404,372 S *	1/1999	Ishii	D13/182
6,068,441 A *	5/2000	Raaijmakers et al.	414/609
D494,552 S *	8/2004	Tezuka et al.	D13/182
D496,008 S *	9/2004	Takahashi et al.	D13/182
6,815,352 B1 *	11/2004	Tamura et al.	438/691
6,818,097 B2	11/2004	Yamaguchi et al.	
7,001,482 B2 *	2/2006	Landis et al.	156/345.55
D546,784 S	7/2007	Hayashi	
D548,705 S	8/2007	Hayashi	
D556,704 S	12/2007	Nakamura et al.	

D557,226 S *	12/2007	Uchino et al.	D13/182
D559,993 S *	1/2008	Nagakubo et al.	D24/232
D559,994 S *	1/2008	Nagakubo et al.	D24/232
D568,693 S *	5/2008	Furlong	D7/629
7,479,304 B2	1/2009	Sun et al.	
D606,952 S	12/2009	Lee et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

TW	471052	1/2002
TW	201001525	1/2010

OTHER PUBLICATIONS

Taiwan Office Action, Application D101301750, mailed Oct. 24, 2012.

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(57) **CLAIM**

The ornamental design for a focusing ring, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a focusing ring of the present invention.

FIG. 2 is a right side view of the focusing ring of FIG. 1.

FIG. 3 is a top plan view of the focusing ring of FIG. 1.

FIG. 4 is a bottom view of the focusing ring of FIG. 1.

FIG. 5 is an enlarged sectional view of the 1-3 intersection of lines 1 and 3 of the focusing ring of FIG. 3.

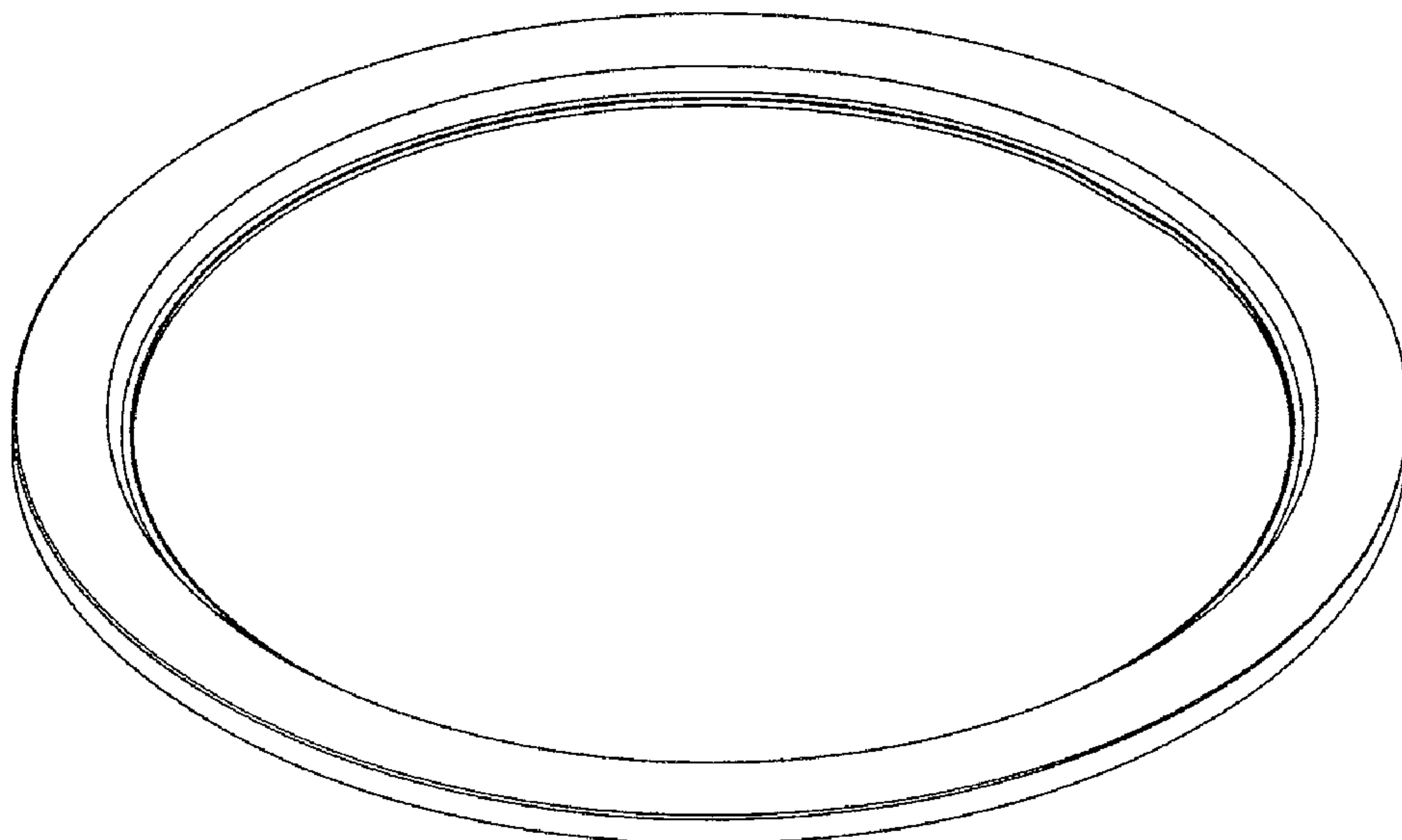
FIG. 6 is an enlarged sectional view of the 2-3 intersection of lines 2 and 3 of the focusing ring of FIG. 3; and,

FIG. 7 is a perspective view of the focusing ring of FIG. 1.

The rear view is the same as the front view.

The left side view is the same as the right side view.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D609,652 S 2/2010 Nagasaka et al.
D609,655 S 2/2010 Sugimoto
D614,593 S 4/2010 Lee et al.
D648,289 S 11/2011 Mayer et al.
D654,883 S 2/2012 Honma et al.
D654,884 S 2/2012 Honma et al.

D655,257 S 3/2012 Honma et al.
D655,259 S 3/2012 Honma et al.
8,357,263 B2 * 1/2013 Berkoh et al. 156/345.13
D694,790 S * 12/2013 Matsumoto et al. D15/144
D697,038 S * 1/2014 Matsumoto et al. D13/182
2003/0066484 A1 4/2003 Morikage et al.
2004/0025788 A1 * 2/2004 Ogasawara et al. 118/715
2004/0056017 A1 * 3/2004 Renken 219/444.1

* cited by examiner



FIGURE 1

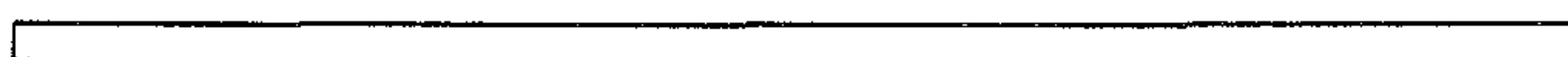


FIGURE 2

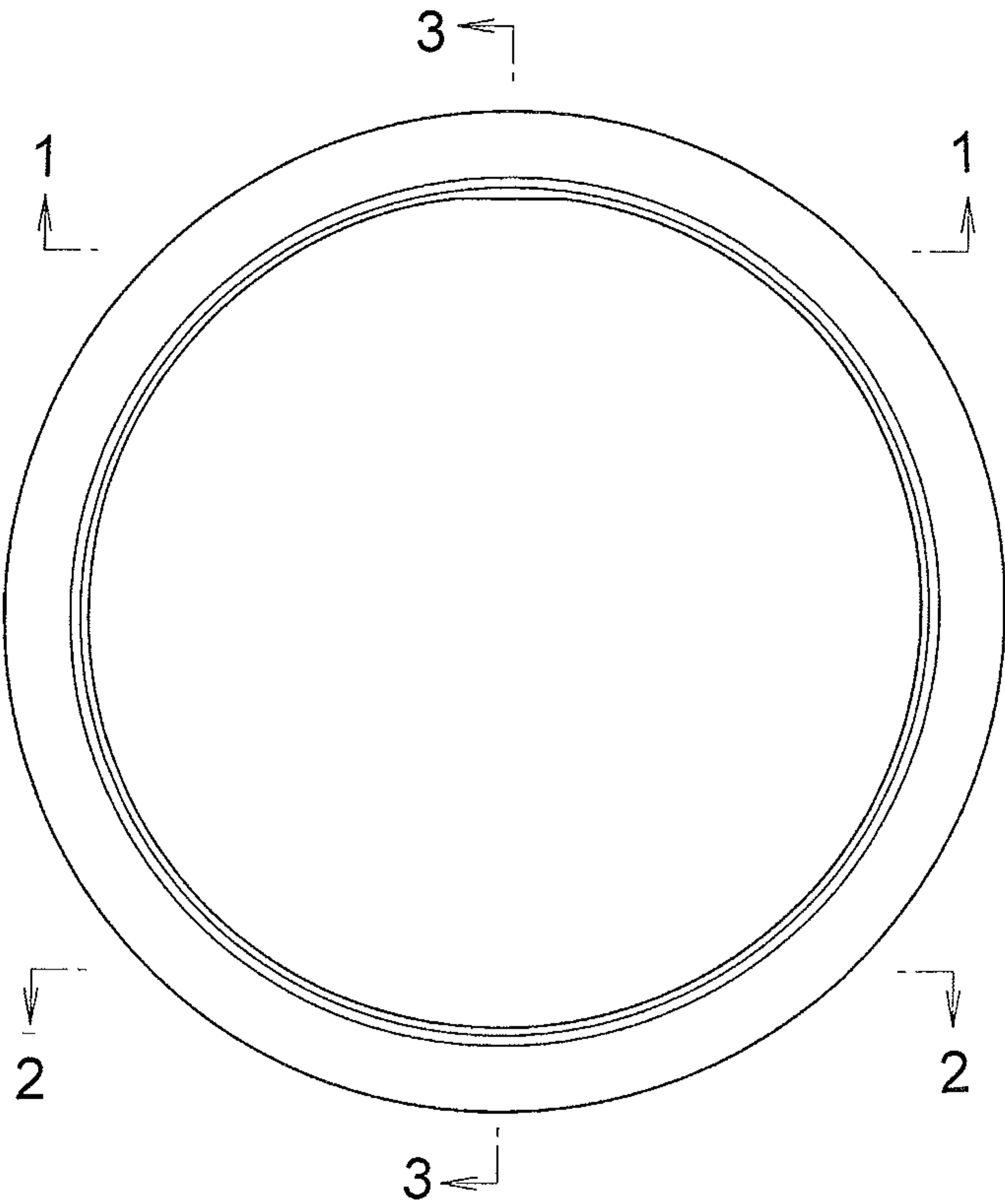


FIGURE 3

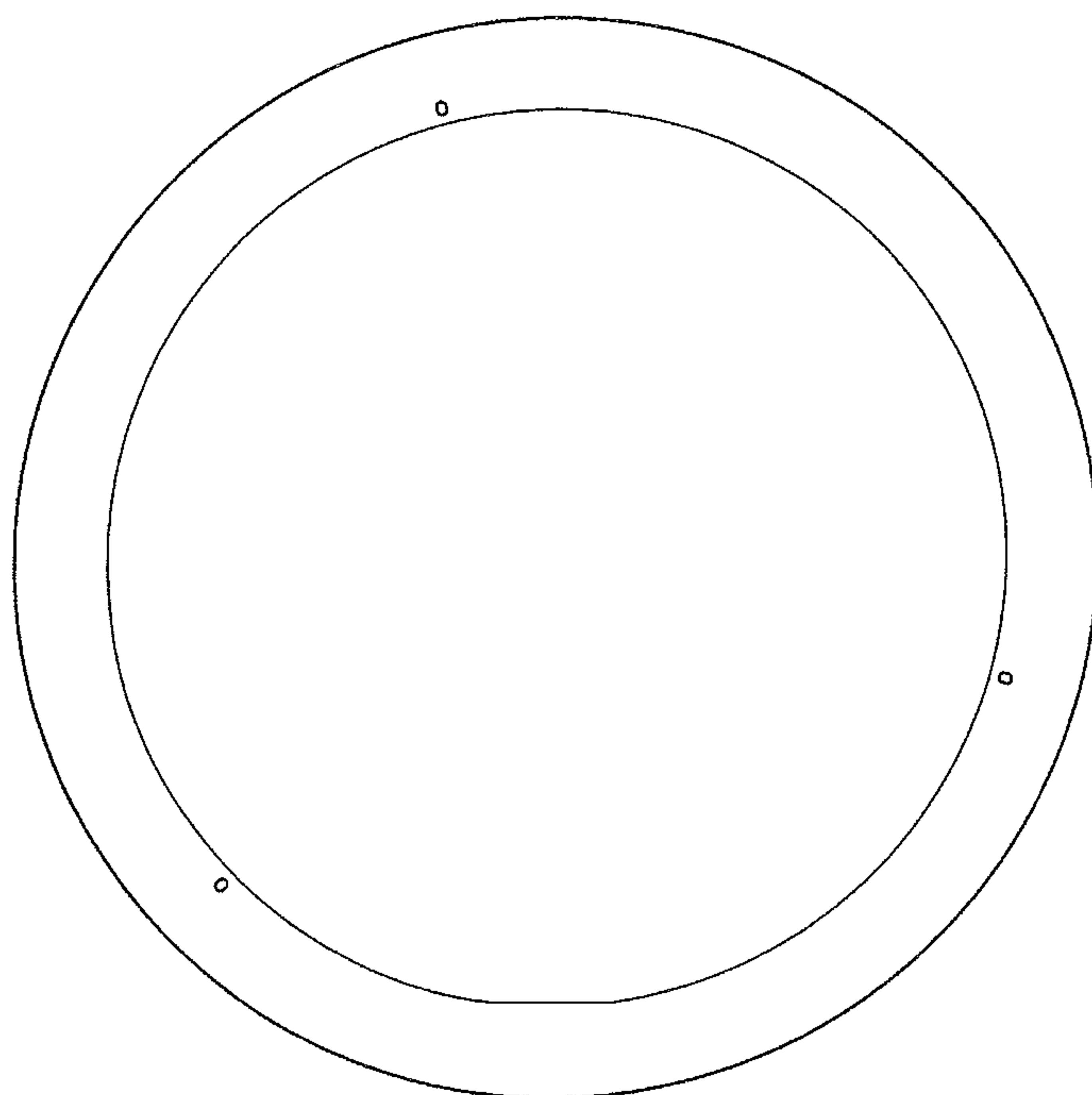


FIGURE 4

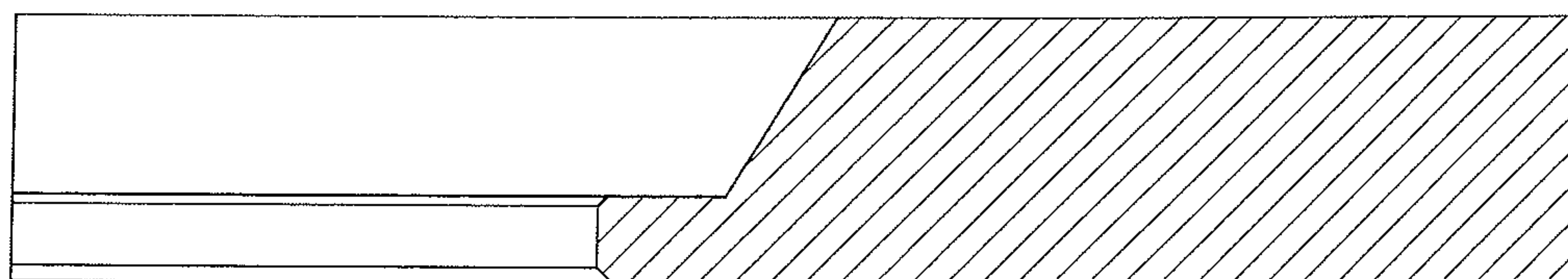


FIGURE 5

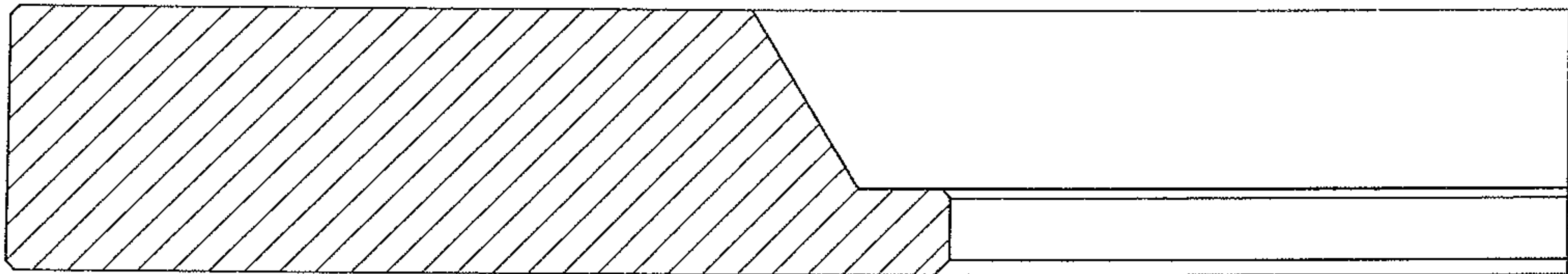


FIGURE 6

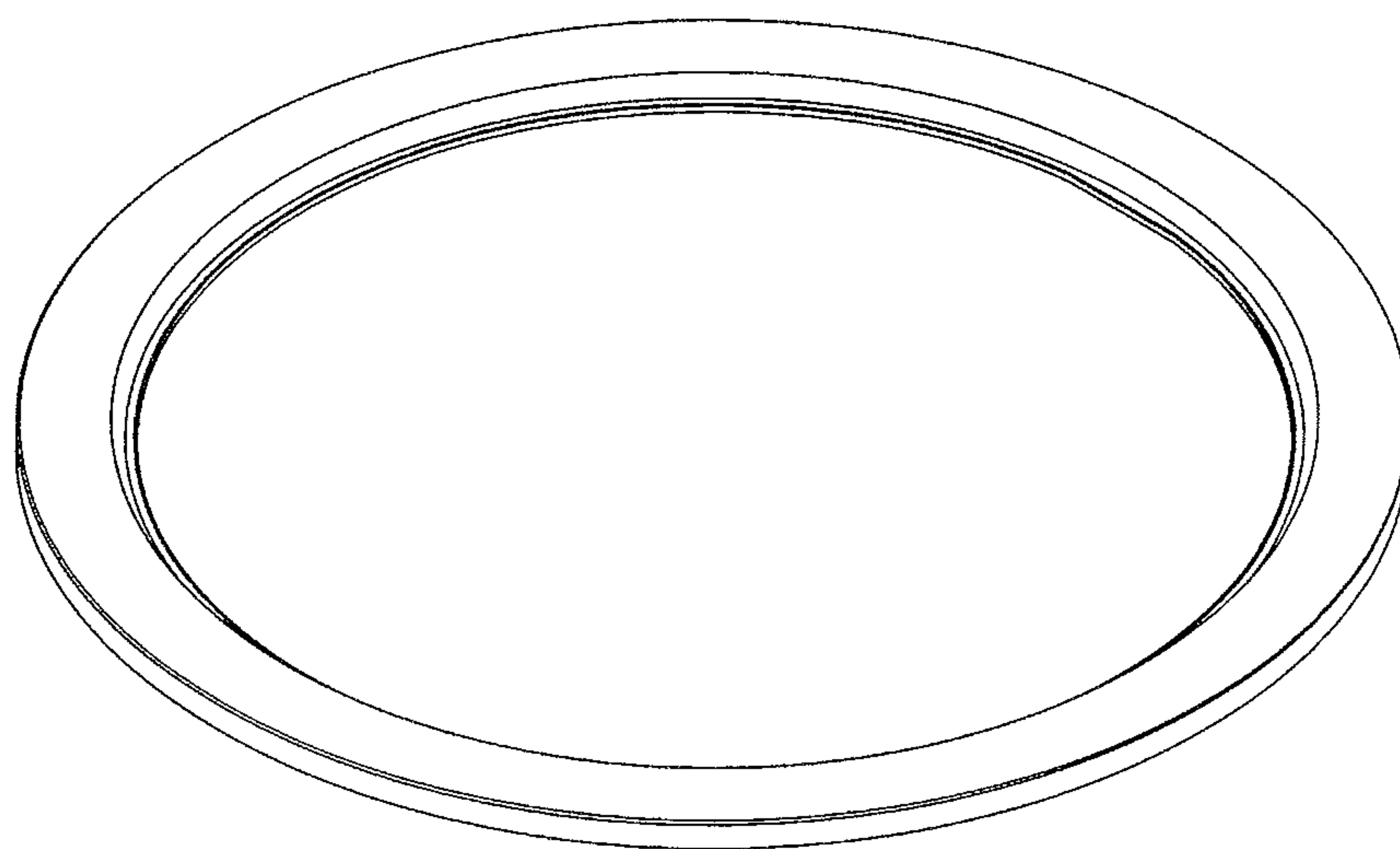


FIGURE 7