



US00D934315S

(12) **United States Design Patent** (10) **Patent No.:** **US D934,315 S**  
**Lavitsky et al.** (45) **Date of Patent:** **\*\* Oct. 26, 2021**

(54) **DEPOSITION RING FOR A SUBSTRATE PROCESSING CHAMBER**

(71) Applicant: **APPLIED MATERIALS, INC.**, Santa Clara, CA (US)

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(73) Assignee: **APPLIED MATERIALS, INC.**, Santa Clara, CA (US)

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

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(52) **U.S. Cl.**  
USPC ..... **D15/138**; D13/182

(58) **Field of Classification Search**  
USPC ..... D23/249, 259, 262, 269; D15/138, 139, D15/143, 144, 144.1, 144.2, 150, 199;  
(Continued)

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(57) **CLAIM**

The ornamental design for a deposition ring for a substrate processing chamber, as shown and described.

**DESCRIPTION**

FIG. 1 is an enlarged top isometric view of a deposition ring for a substrate processing chamber, according to the first embodiment of the novel design.

FIG. 2 is a top plan view thereof.

FIG. 3 is a bottom plan view thereof.

FIG. 4 is a left elevation view thereof.

FIG. 5 is a right elevation view thereof.

FIG. 6 is a front elevation view thereof.

FIG. 7 is a rear elevation view thereof.

FIG. 8 is a cross-sectional view taken along line 8-8 of FIG. 2.

FIG. 9 is an enlarged top isometric view of a deposition ring for a substrate processing chamber, according to the second embodiment of the novel design.

FIG. 10 is a top plan view thereof.

FIG. 11 is a bottom plan view thereof.

FIG. 12 is a left elevation view thereof.

FIG. 13 is a right elevation view thereof.

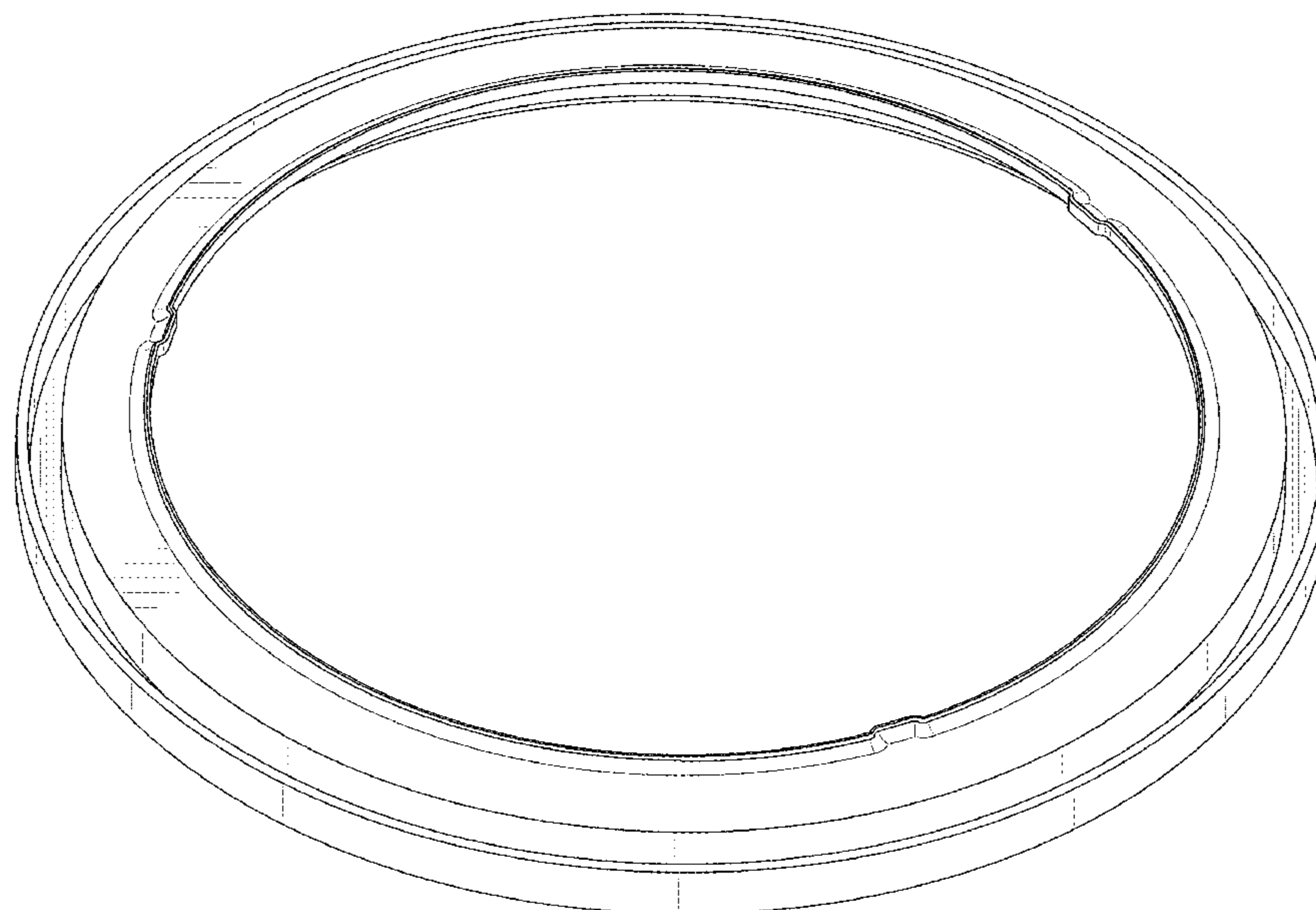
FIG. 14 is a front elevation view thereof.

FIG. 15 is a rear elevation view thereof; and,

FIG. 16 is a cross-sectional view taken along line 16-16 of FIG. 10.

The dashed lines in FIGS. 1-8 represent unclaimed environment forming no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



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(58) **Field of Classification Search**

USPC ..... D13/118, 122, 133, 162, 182, 184, 199;  
D22/113, 119  
CPC ..... H01J 37/3414; H01J 37/3423; H01L  
21/02631; H01L 2221/68363; H01L  
2224/75186-75189; H01L 21/67742;  
H01L 21/0226; H01L 21/02263; H01L  
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21/02271; F16J 7/00; E04D 13/14; C23C  
14/3407; C23C 14/35

See application file for complete search history.

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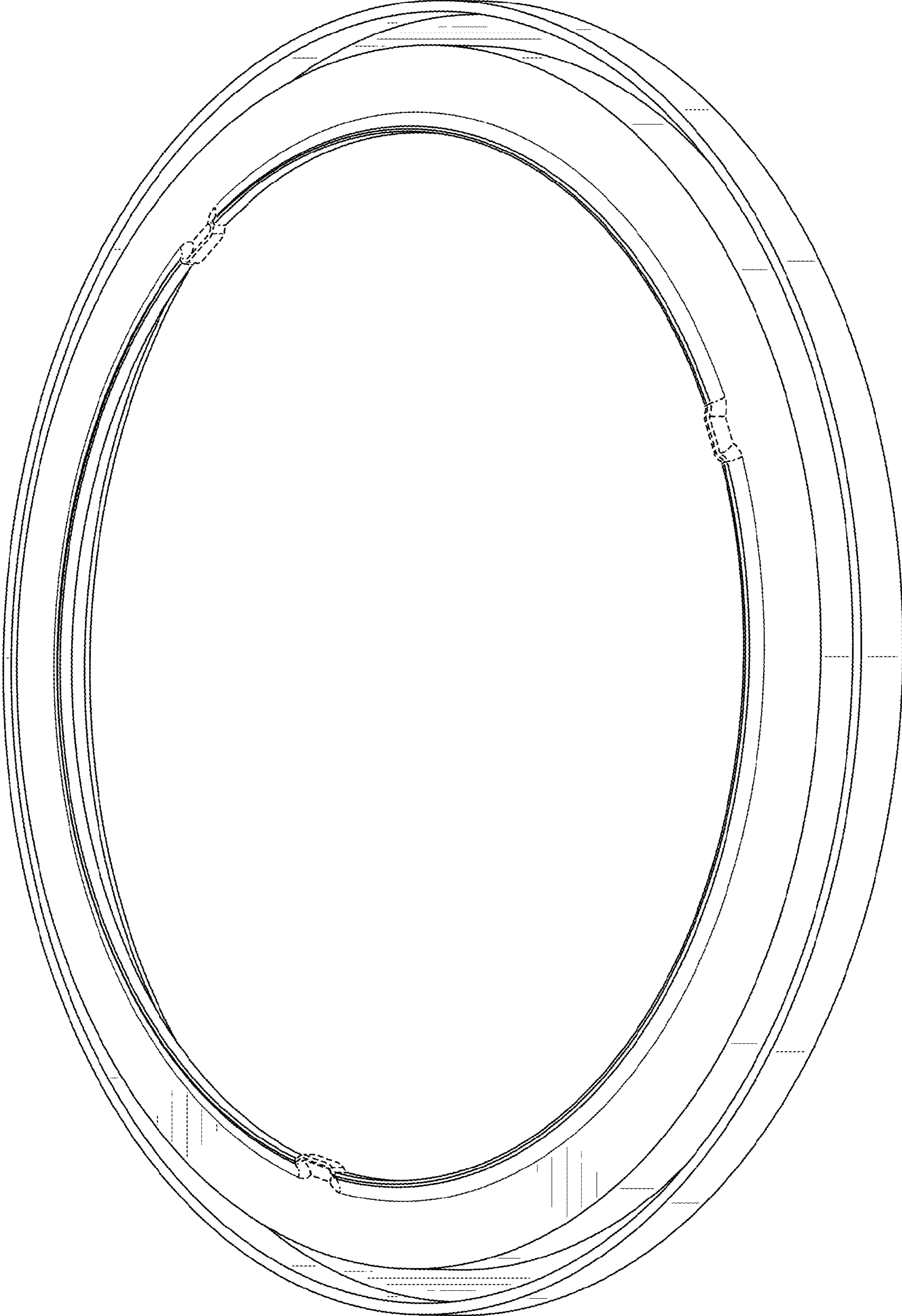
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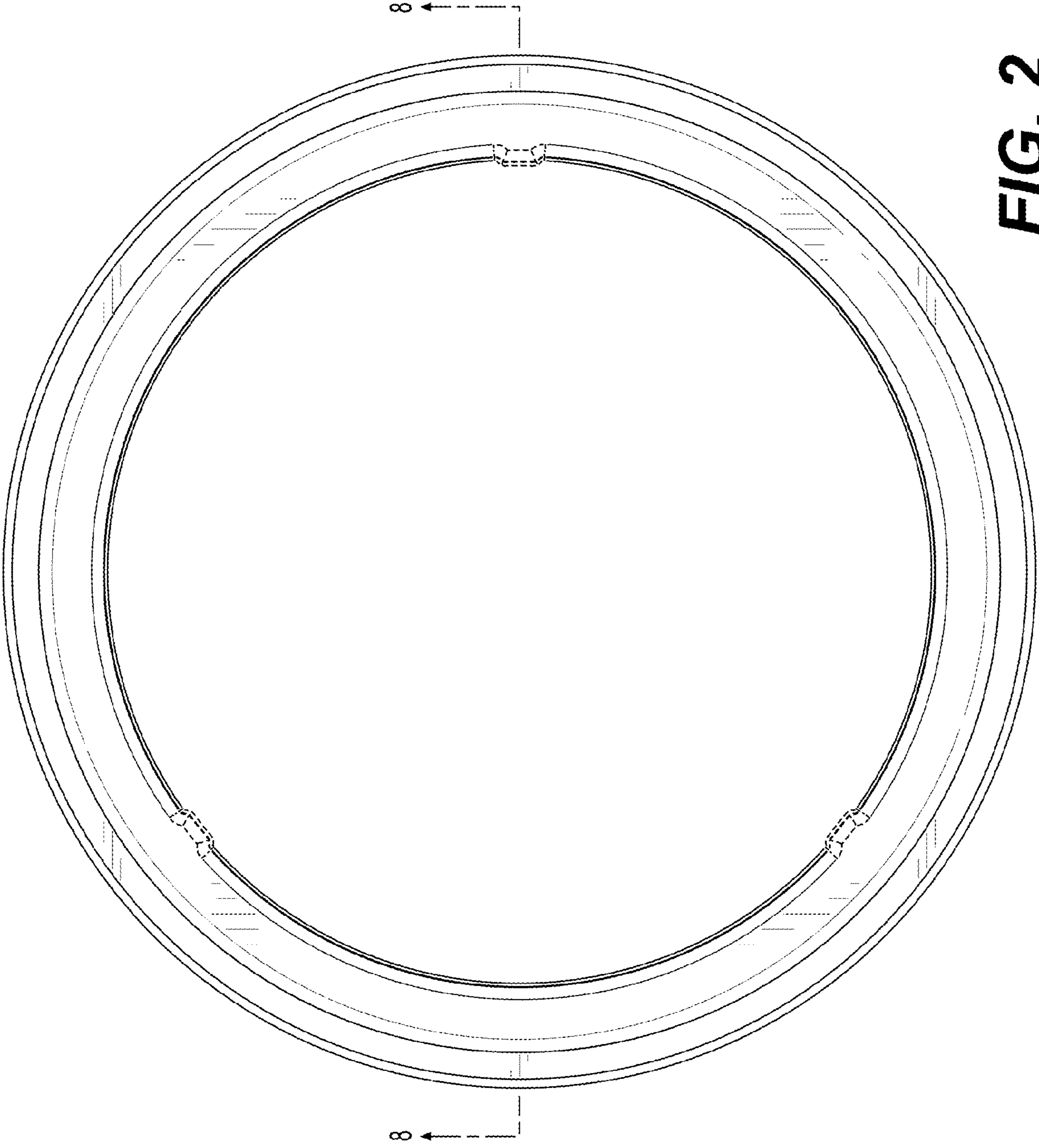
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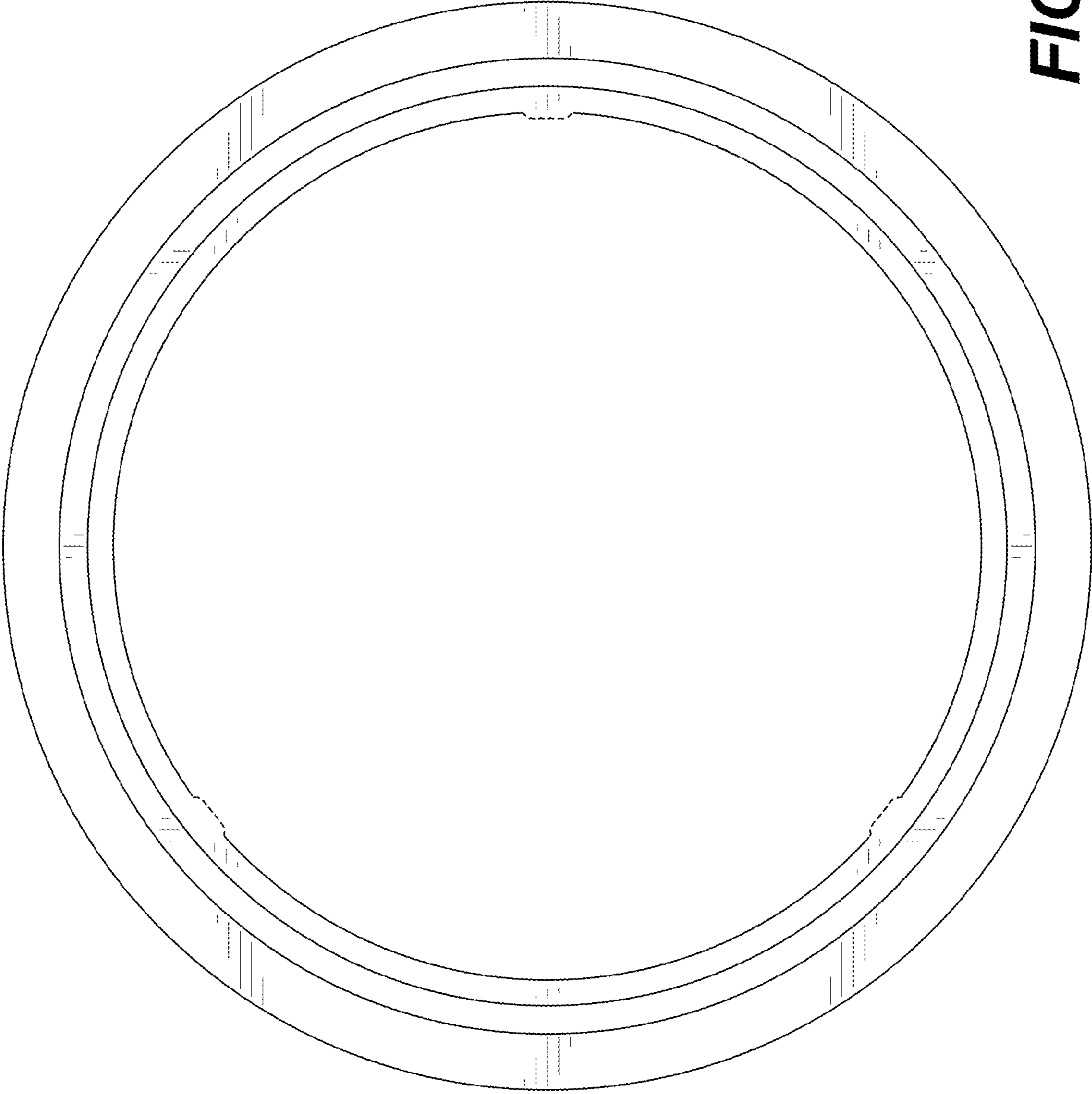
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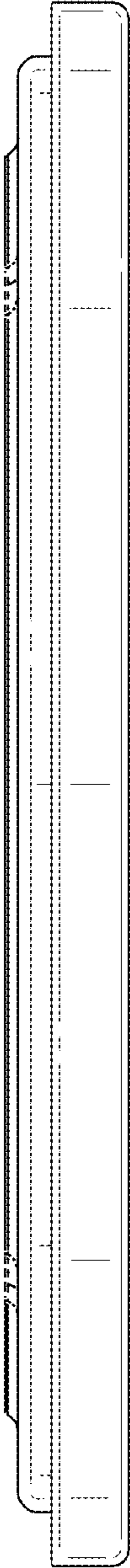
**FIG. 1**



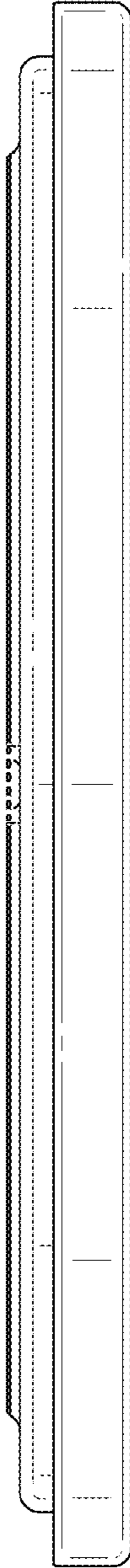
**FIG. 2**



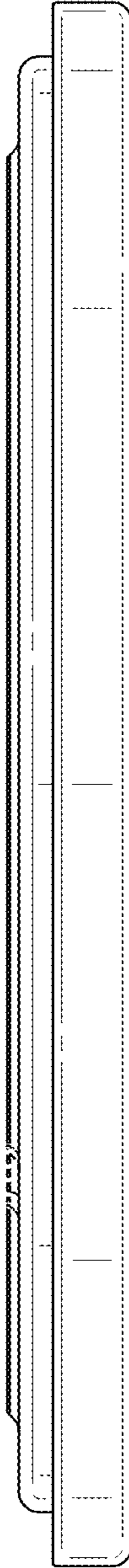
**FIG. 3**



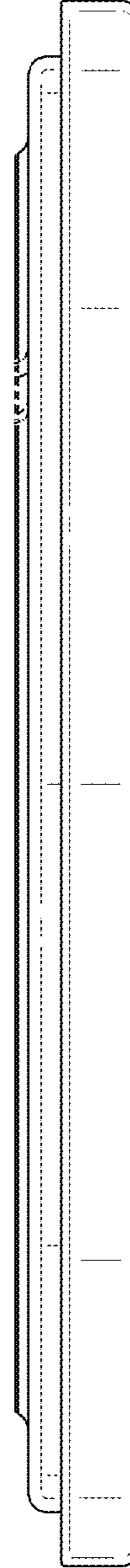
**FIG. 4**



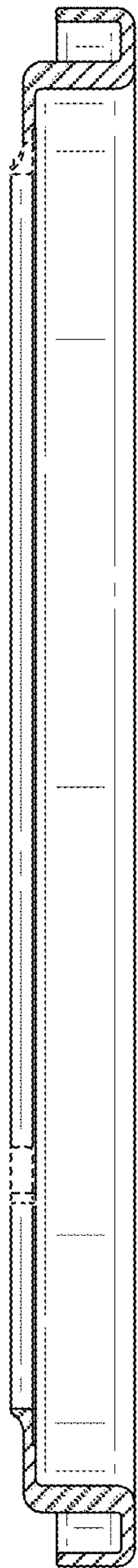
**FIG. 5**



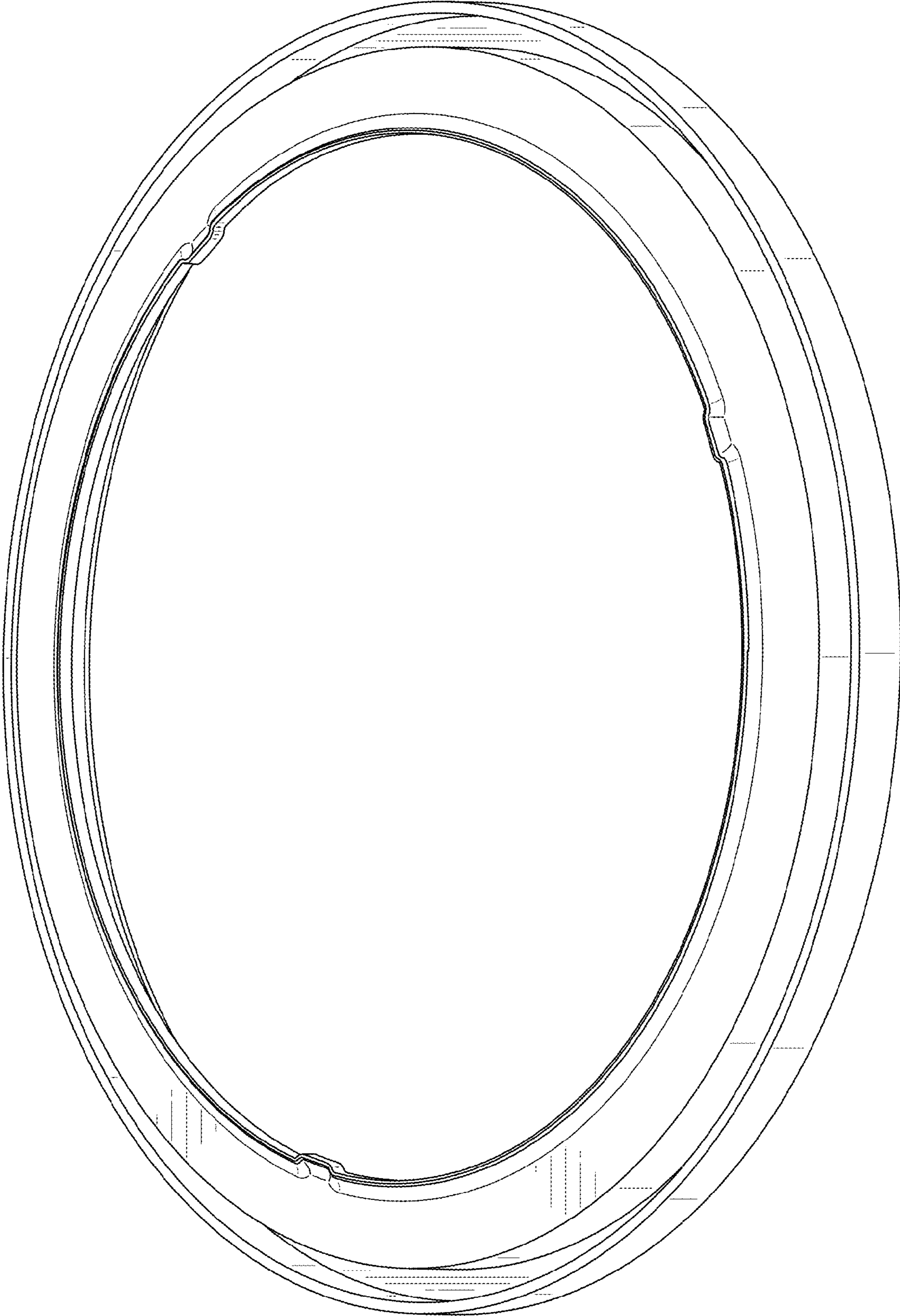
**FIG. 6**



**FIG. 7**

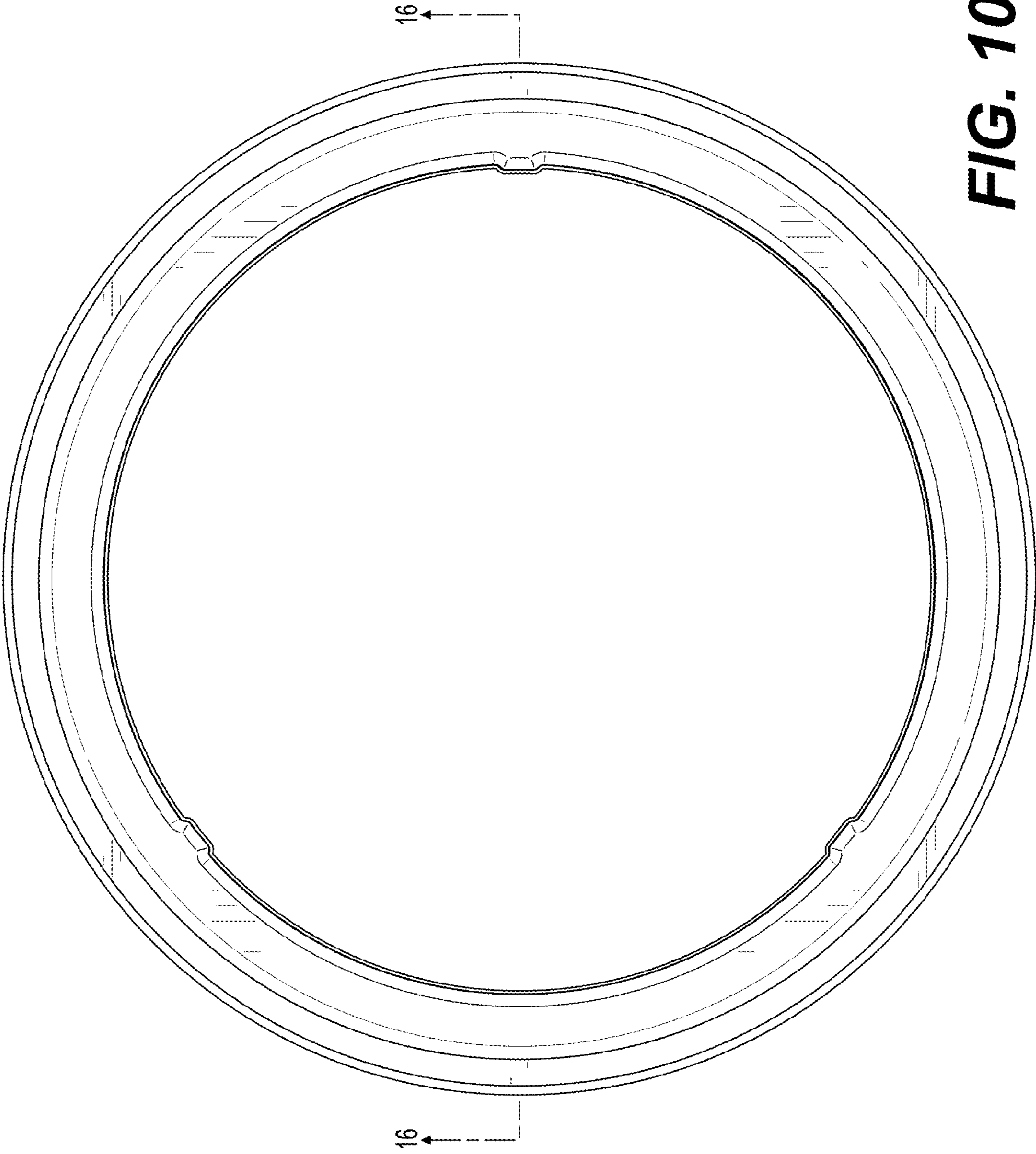


**FIG. 8**

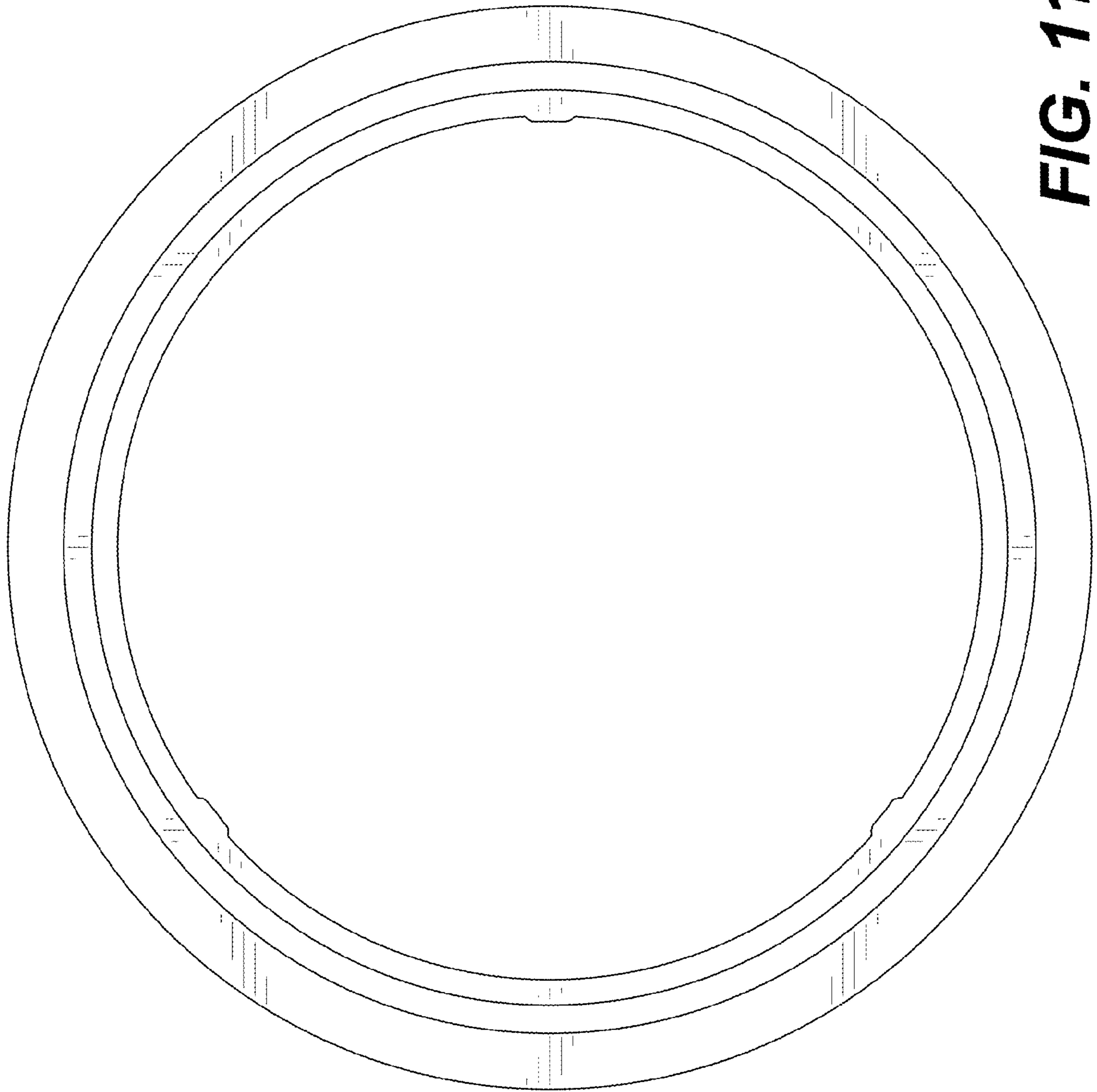


**FIG. 9**

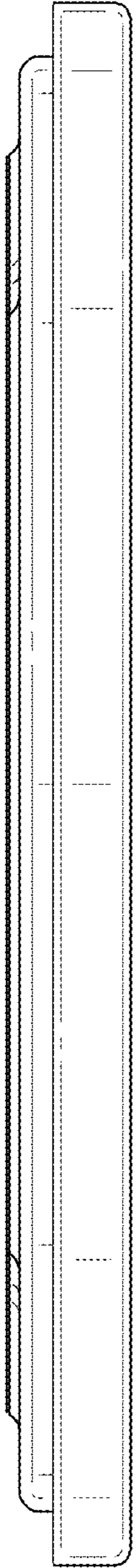




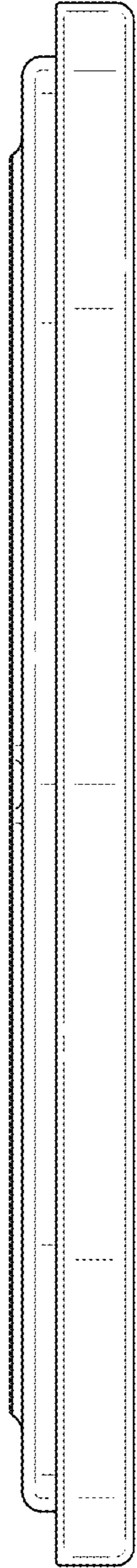
**FIG. 10**



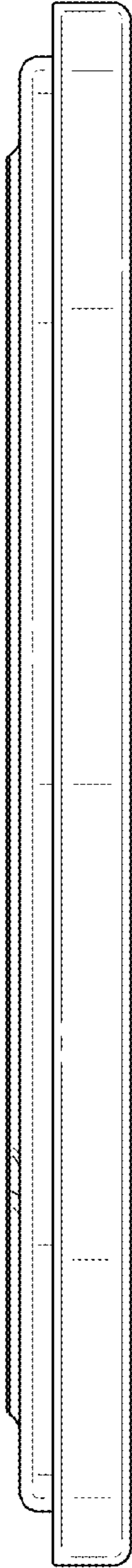
**FIG. 11**



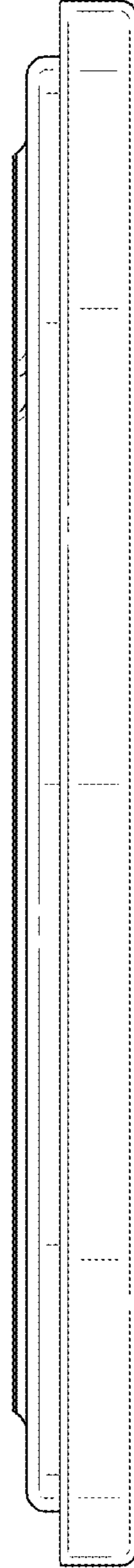
**FIG. 12**



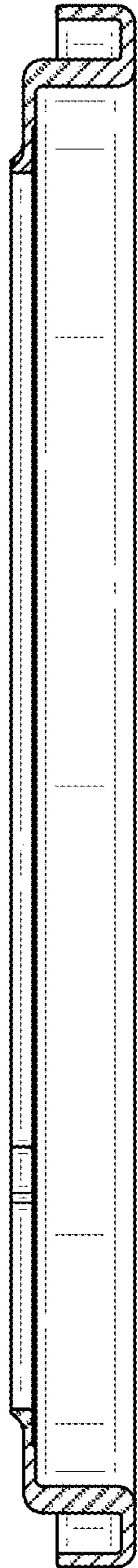
**FIG. 13**



**FIG. 14**



**FIG. 15**



**FIG. 16**