

US00D802472S

(12) **United States Design Patent**  
Sasaki et al.(10) **Patent No.:** US D802,472 S  
(45) **Date of Patent:** \*\* Nov. 14, 2017(54) **ELECTROSTATIC CHUCK FOR SEMICONDUCTOR MANUFACTURING EQUIPMENT**(71) Applicant: **TOKYO ELECTRON LIMITED**, Minato-ku, Tokyo (JP)(72) Inventors: **Yasuharu Sasaki**, Miyagi (JP); **Tomoyuki Takahashi**, Miyagi (JP)(73) Assignee: **TOKYO ELECTRON LIMITED**, Minato-Ku, Tokyo (JP)(\*\*) Term: **15 Years**(21) Appl. No.: **29/553,358**(22) Filed: **Feb. 1, 2016**(30) **Foreign Application Priority Data**

Aug. 6, 2015 (JP) ..... 2015-017483

(51) **LOC (10) Cl.** ..... **13-03**(52) **U.S. Cl.**USPC ..... **D11/182**(58) **Field of Classification Search**

USPC ..... D13/182; D15/140

CPC ..... H01L 21/67098; H01L 21/67109; H01L 21/683; H01L 21/6831; H01L 21/6833; H01L 21/6835; H01L 21/68; H01L 21/67; B23Q 3/15; B23Q 3/154; B23Q 3/1543; B23Q 3/1546; B23B 31/28; G03F 7/7078; G03F 7/707; H02N 13/00; H02N 15/00

See application file for complete search history.

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*Primary Examiner* — Elizabeth J Oswecki(74) *Attorney, Agent, or Firm* — Leydig Voit & Mayer(57) **CLAIM**

The ornamental design for an electrostatic chuck for semiconductor manufacturing equipment, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of an electrostatic chuck for semiconductor manufacturing equipment, showing our 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;

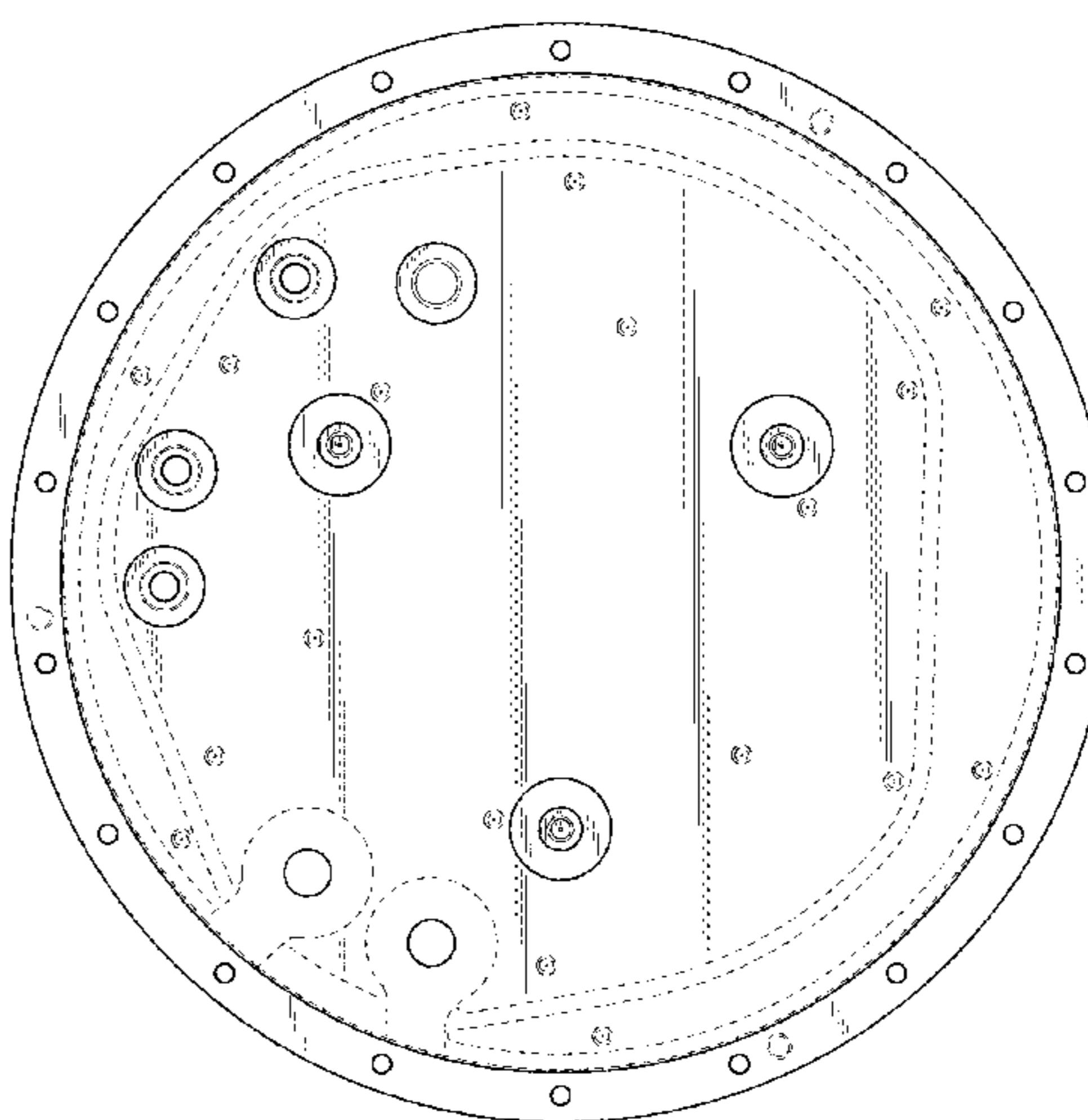
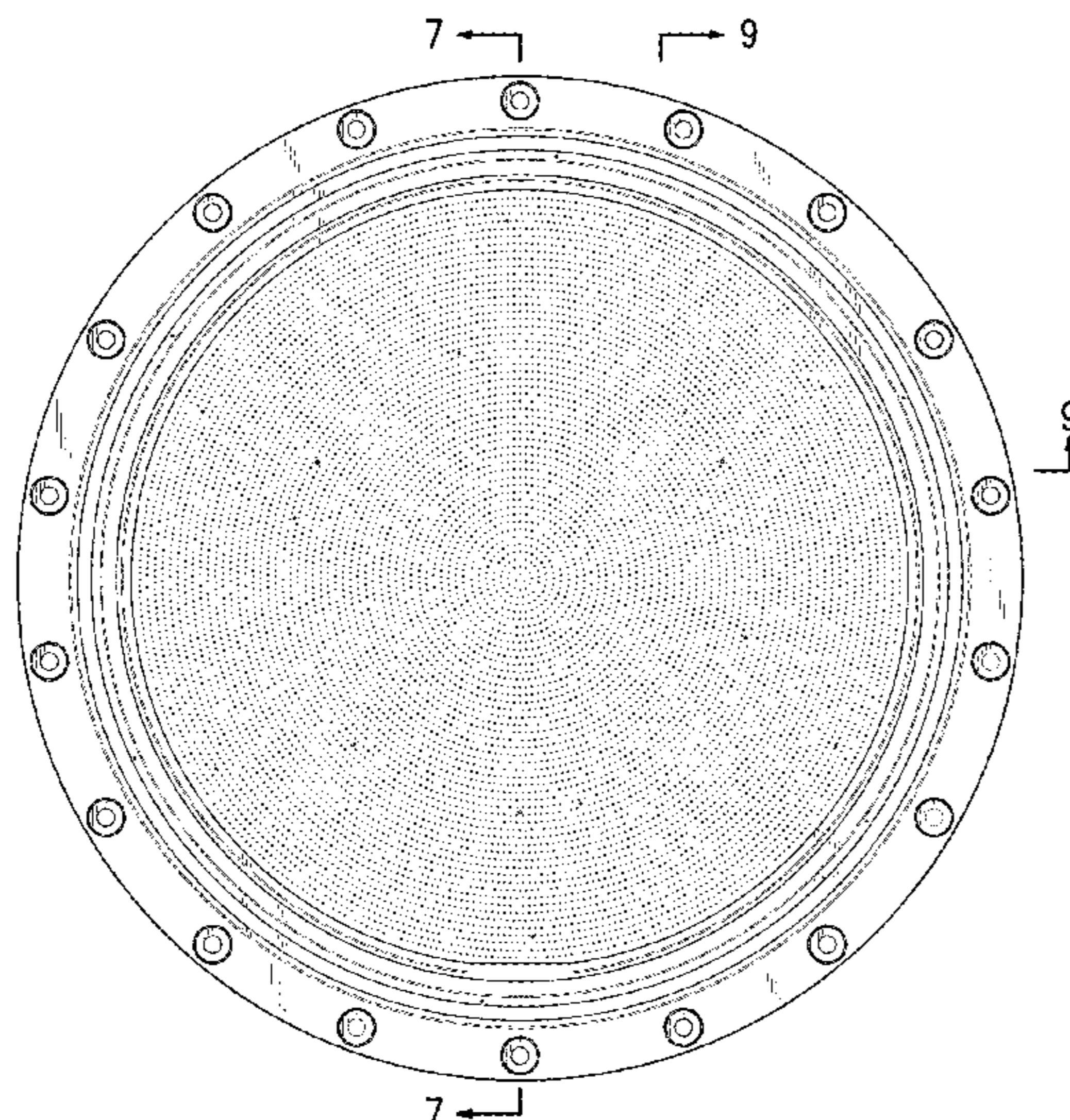
FIG. 6 is a left side view thereof;

FIG. 7 is a cross sectional view taken along the lines of 7-7 of FIG. 1;

FIG. 8 is an enlarged view of a portion taken along lines of 8-8 of FIG. 7; and,

FIG. 9 is an enlarged view of a portion taken along lines of 9-9 of FIG. 1.

The features shown in broken lines depict environmental subject matter only and form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**

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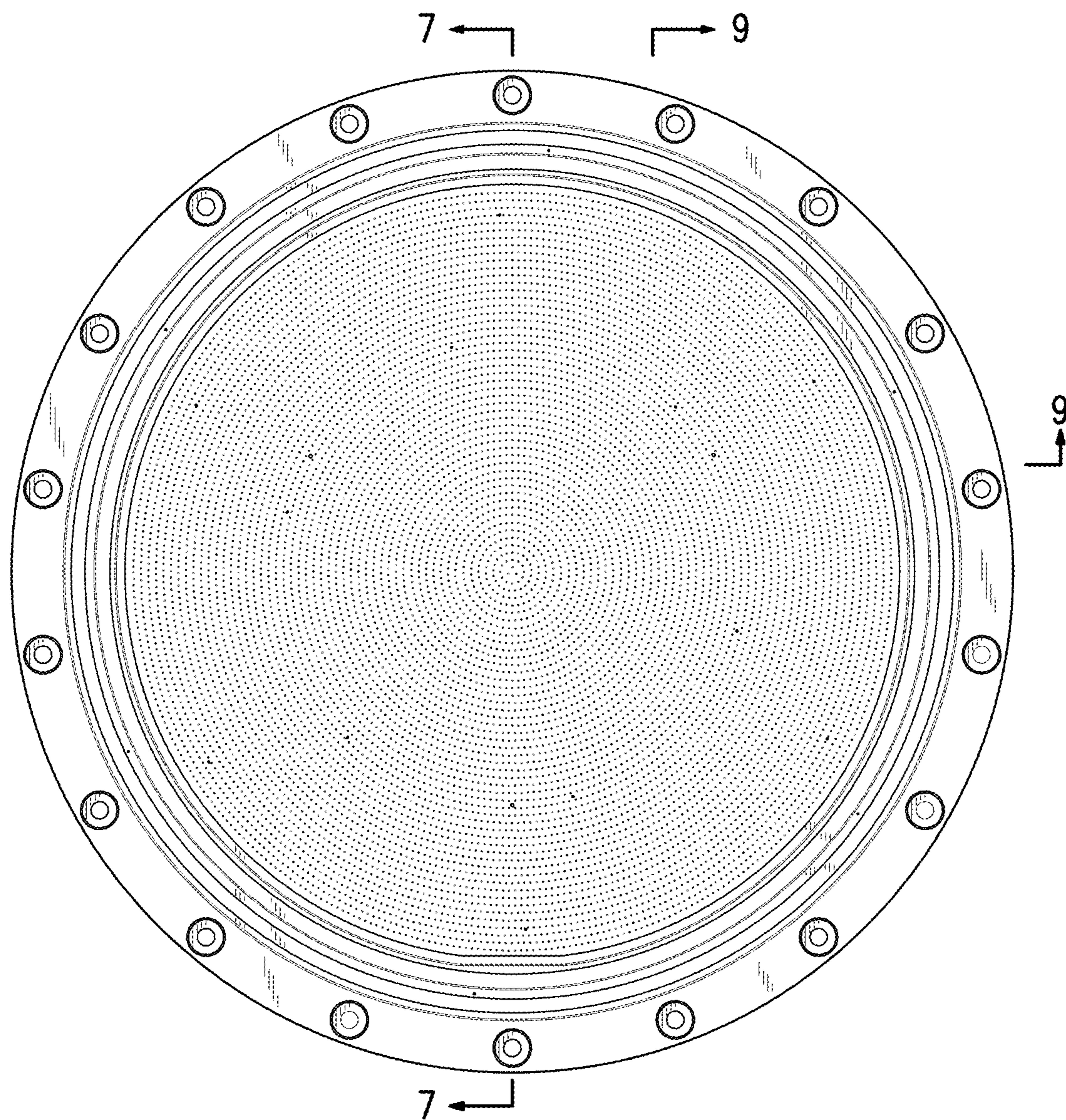


FIG. 1

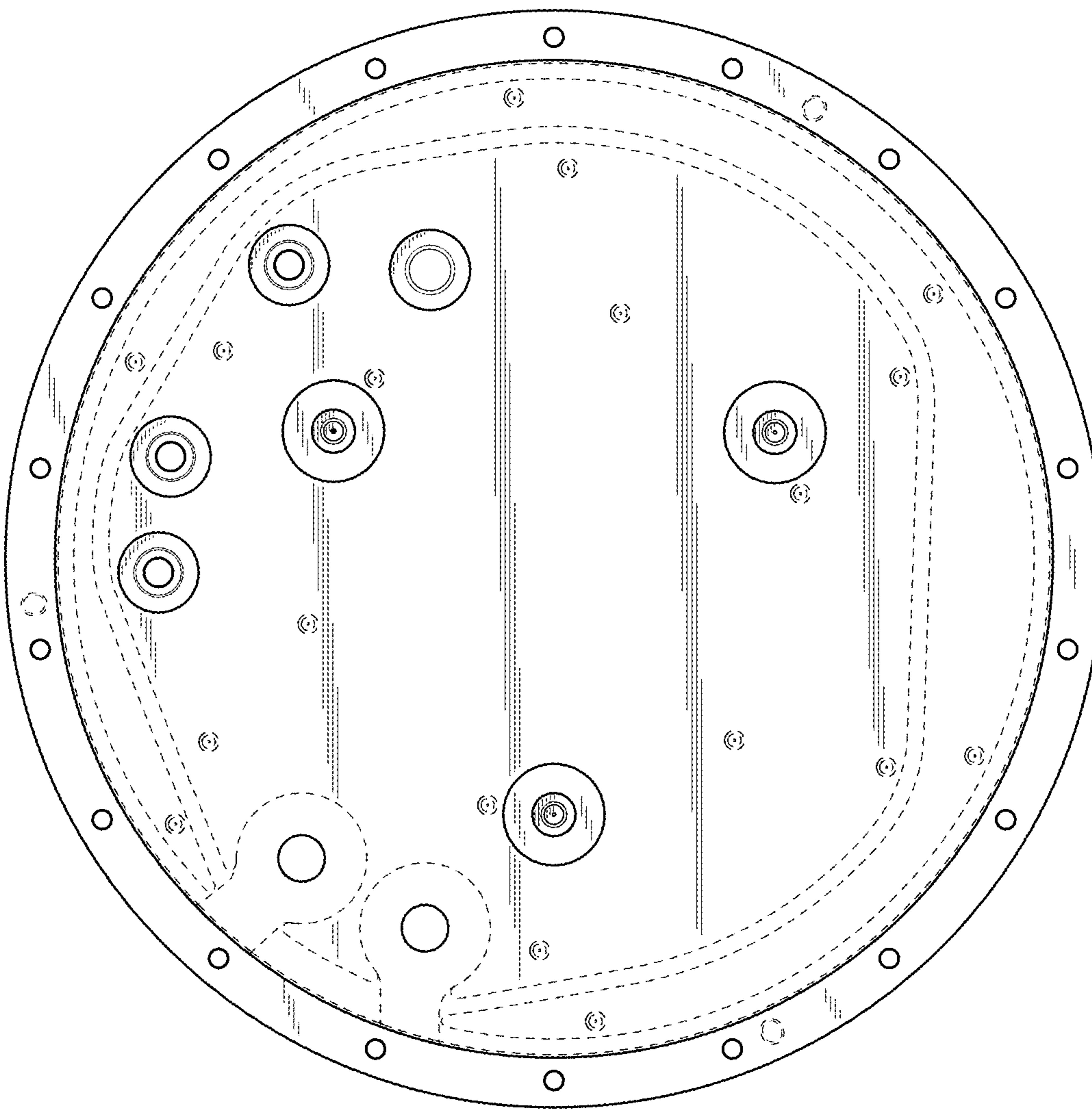
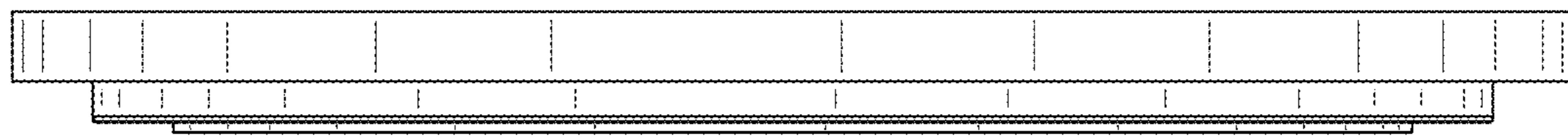
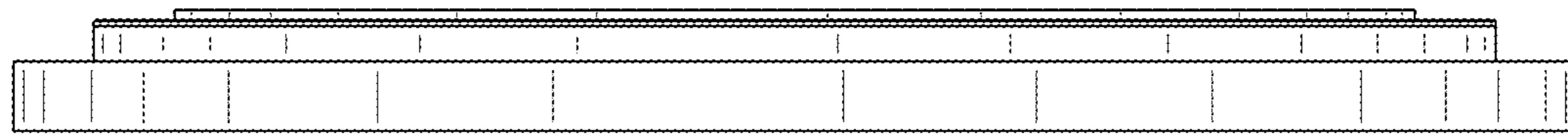


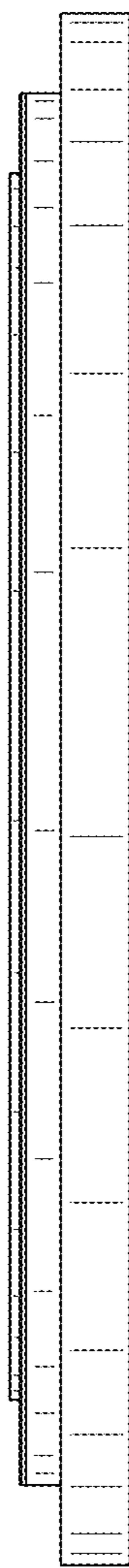
FIG. 2



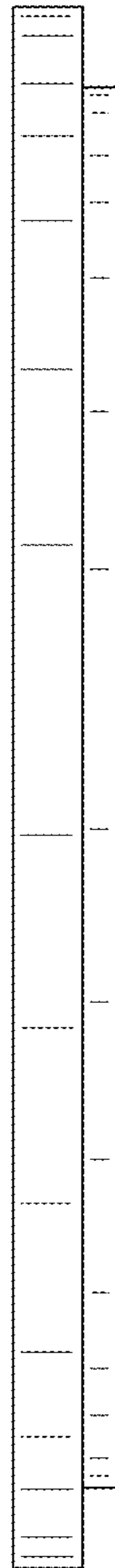
**FIG. 3**



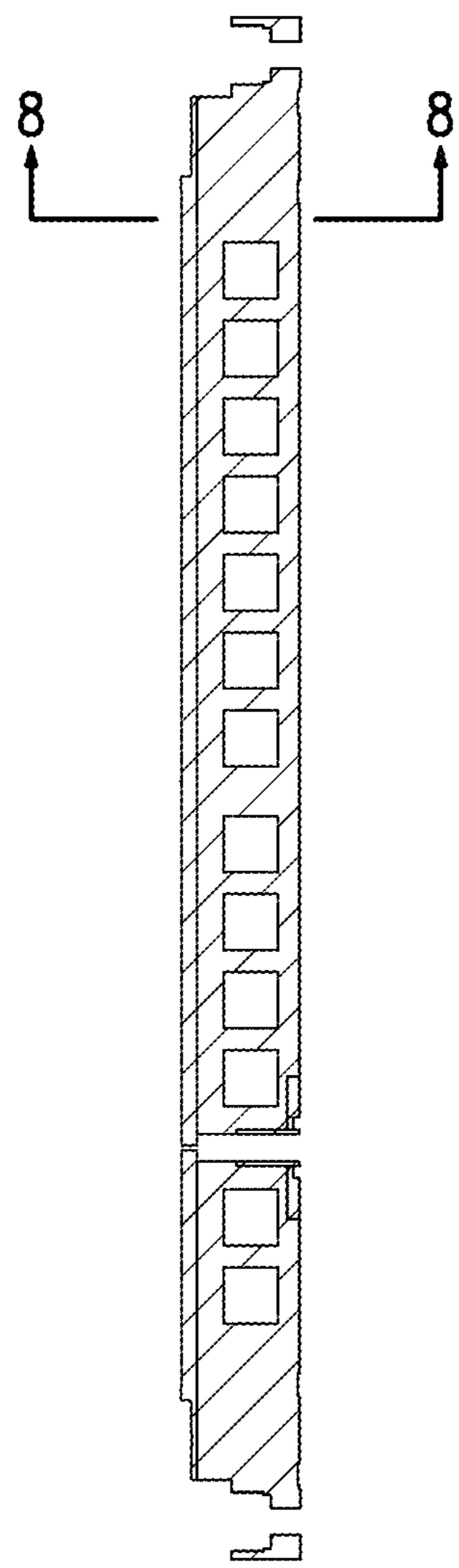
**FIG. 4**



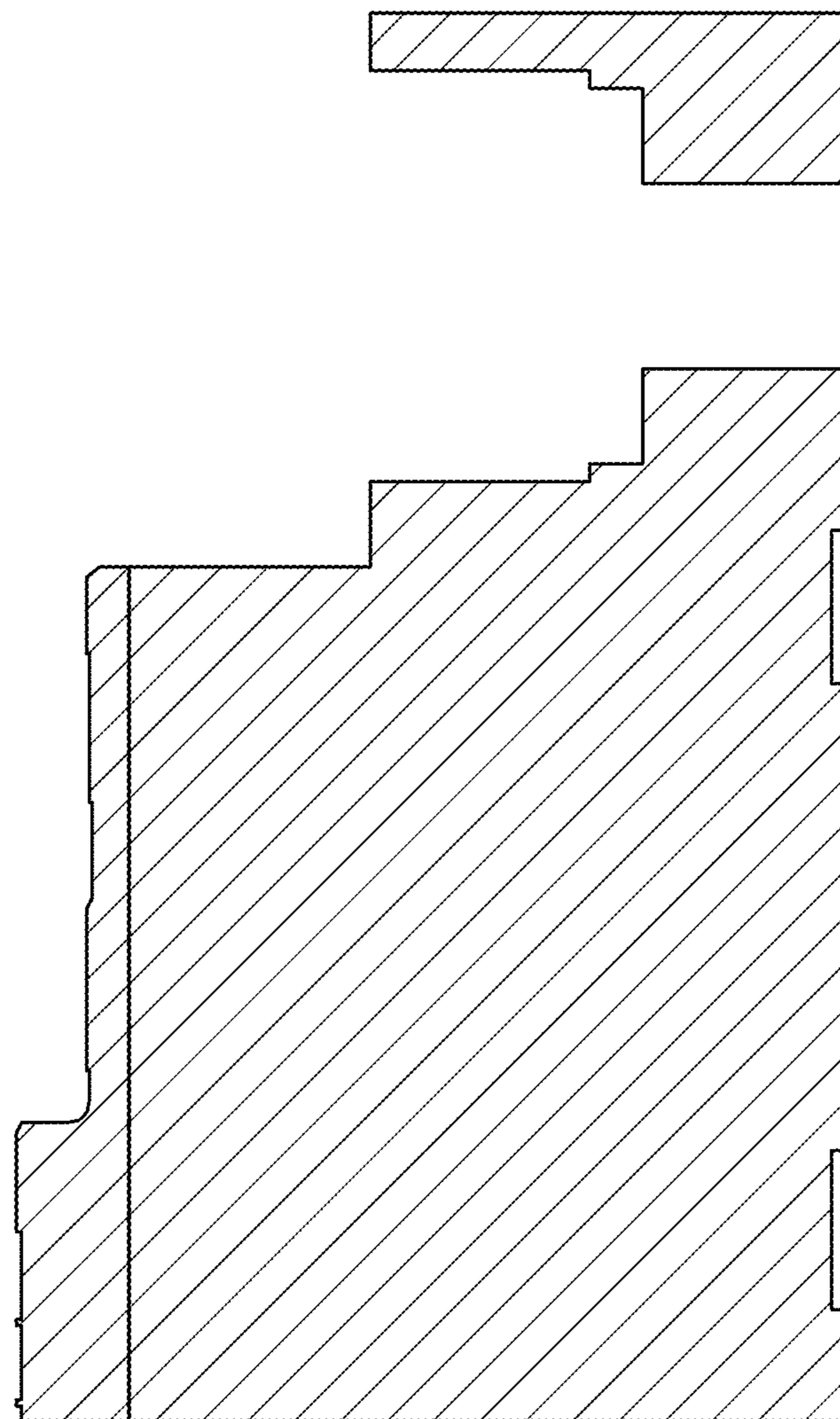
**FIG. 5**



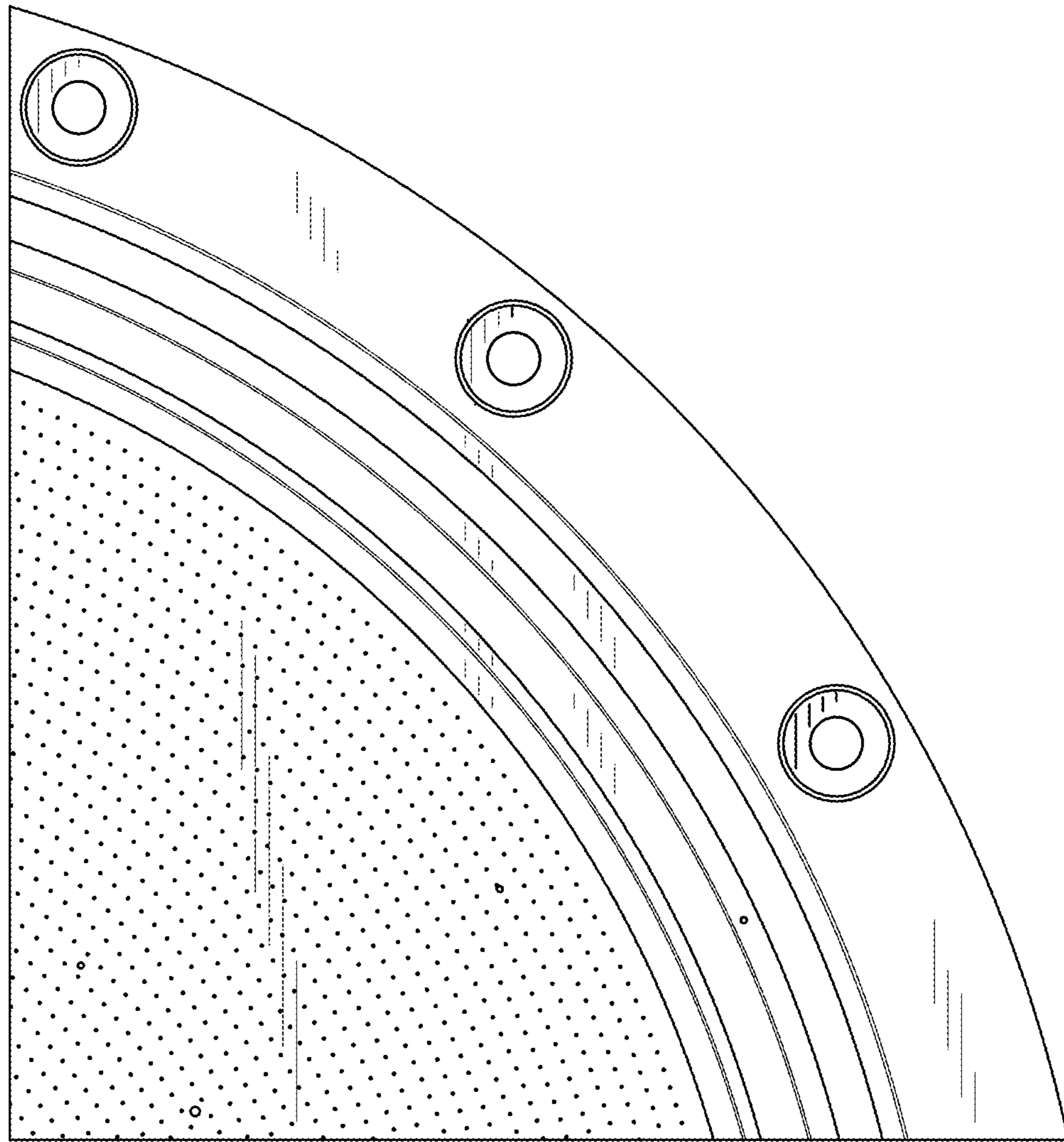
**FIG. 6**



**FIG. 7**



**FIG. 8**



**FIG. 9**