



US0D1027120S

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

(10) **Patent No.:** **US D1,027,120 S**

(45) **Date of Patent:** **** May 14, 2024**

(54) **SEAL FOR AN ASSEMBLY IN A VAPOR DEPOSITION CHAMBER**

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(71) Applicant: **Applied Materials, Inc.**, Santa Clara, CA (US)

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(57) **CLAIM**

The ornamental design for a seal for an assembly in a vapor deposition chamber, as shown and described.

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

DESCRIPTION

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

FIG. 1 is top perspective view of a seal for an assembly in a vapor deposition chamber.

(21) Appl. No.: **29/762,536**

FIG. 2 is a bottom perspective view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

(22) Filed: **Dec. 17, 2020**

FIG. 3 is a top plan view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

(51) **LOC (14) Cl.** **23-01**

FIG. 4 is a bottom plan view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

(52) **U.S. Cl.**
USPC **D23/269**

FIG. 5 is a front view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

(58) **Field of Classification Search**
USPC D23/269, 382; D8/44, 370; D6/672, D6/677.2, 677.5; D3/306

FIG. 6 is a rear view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

(Continued)

FIG. 7 is a right side view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

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FIG. 8 is a left side view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1.

FIG. 9 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1 showing details of an outer segment of the seal.

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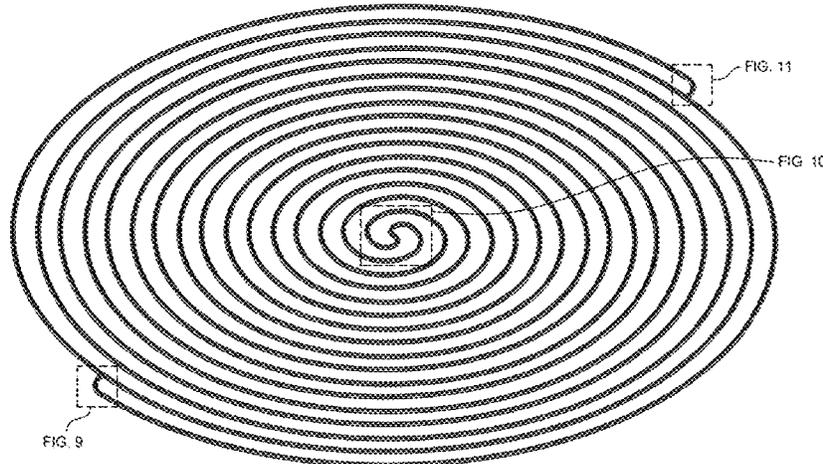


FIG. 10 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1 showing details of a central segment of the seal. FIG. 11 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 1 showing details of an outer segment of the seal. FIG. 12 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 2 showing details of an outer segment of the seal. FIG. 13 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 3 showing details of a central segment of the seal. FIG. 14 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 4 showing details of a central segment of the seal. FIG. 15 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 6 showing details of an outer segment of the seal. FIG. 16 is an enlarged sectional view of a portion of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 7 showing details of an outer segment of the seal; and, FIG. 17 is a top plan view of the seal for an assembly in a vapor deposition chamber illustrated in FIG. 3 shown in a portion of an assembly (in phantom). The broken and phantom lines in the Figures illustrate unclaimed parts of the seal for an assembly in a vapor deposition chamber and form no part of the claimed design.

1 Claim, 10 Drawing Sheets

(58) **Field of Classification Search**

CPC F24F 13/078; F24F 7/007; F24F 7/065;
 F24F 2221/14; F24F 2013/205; F21V
 33/0096; F21V 33/0088; F04D 29/626;
 F04D 29/4226

See application file for complete search history.

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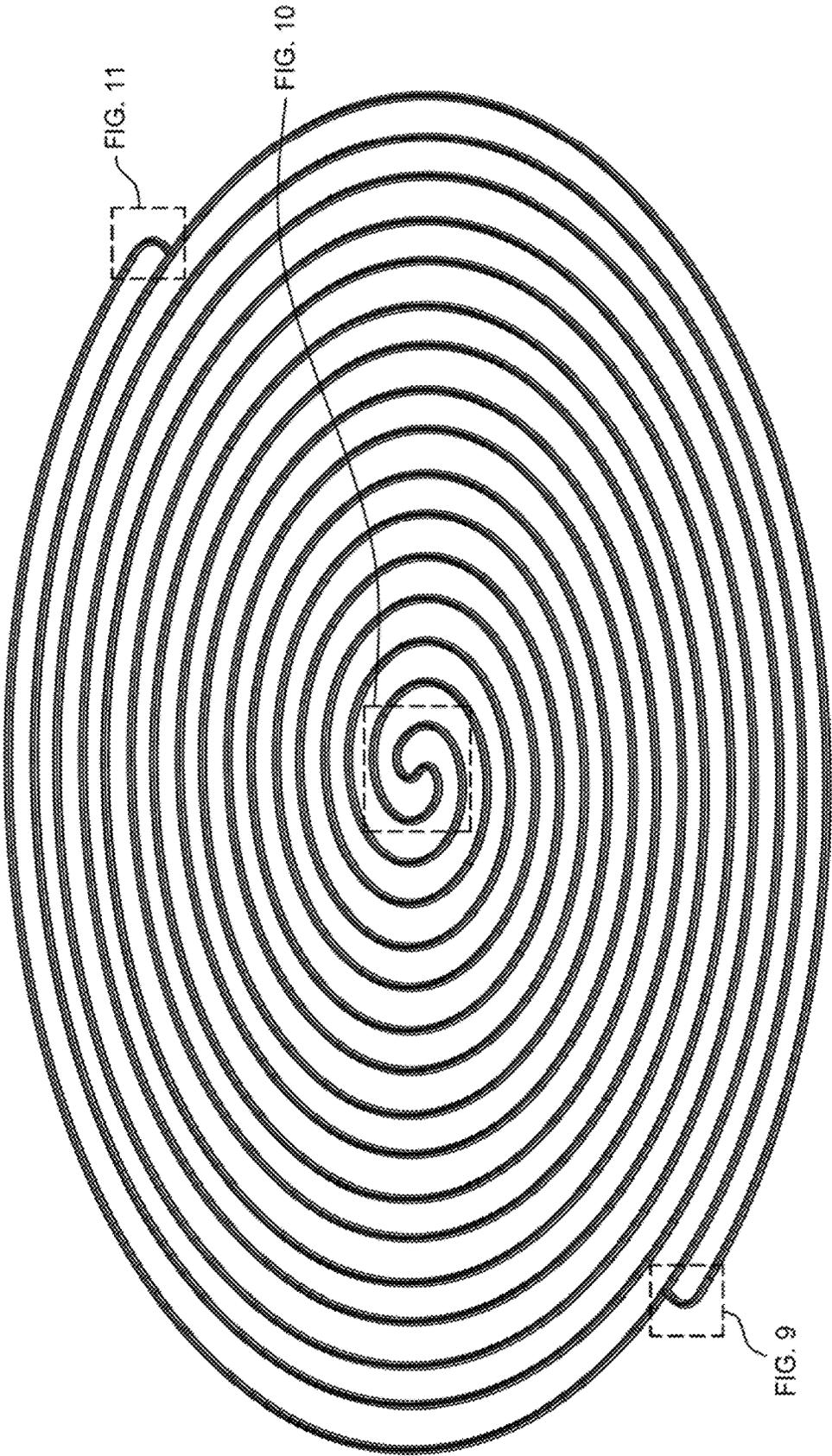


FIG. 11

FIG. 10

FIG. 9

FIG. 1

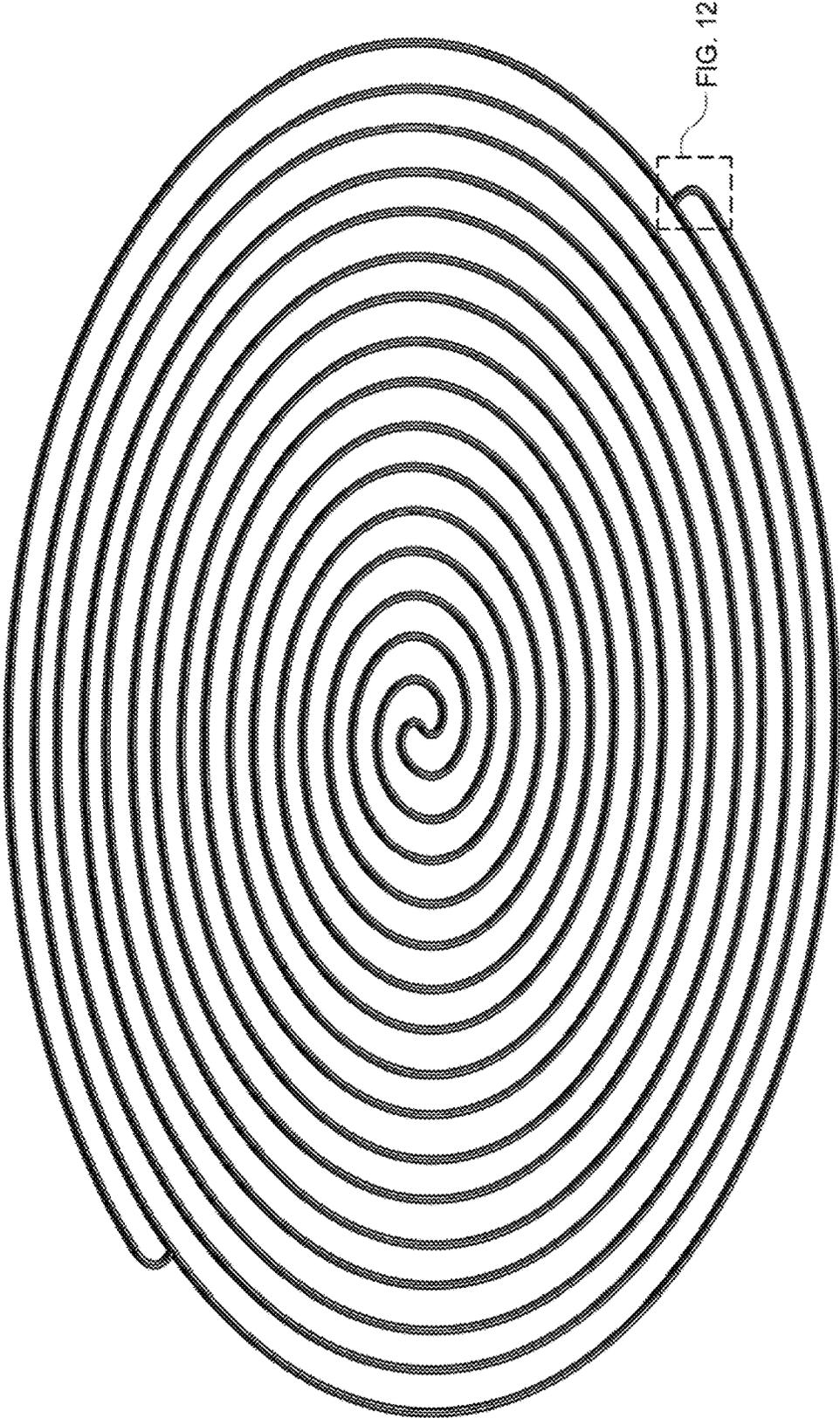


FIG. 2

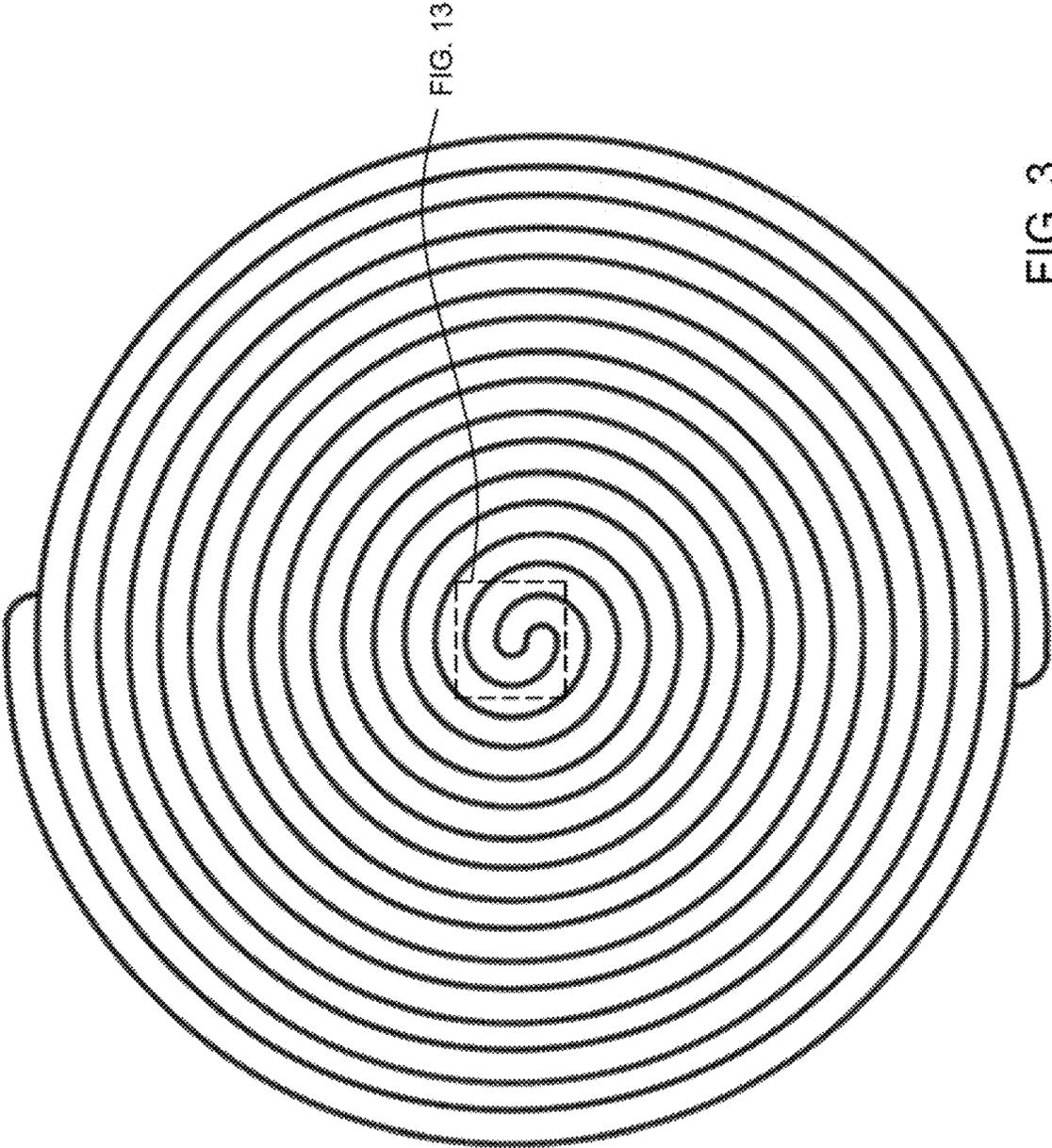


FIG. 3

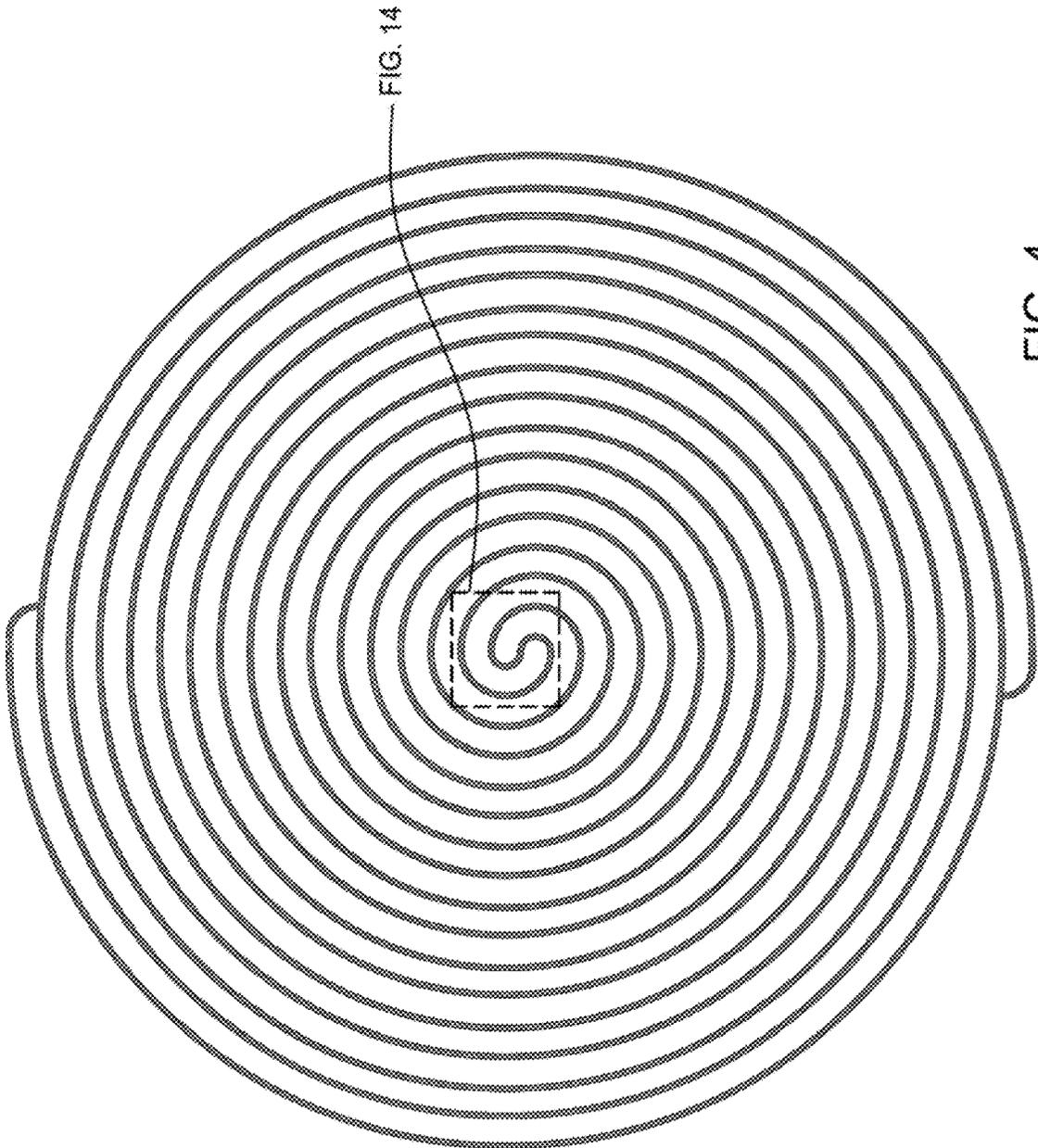


FIG. 4



FIG. 5

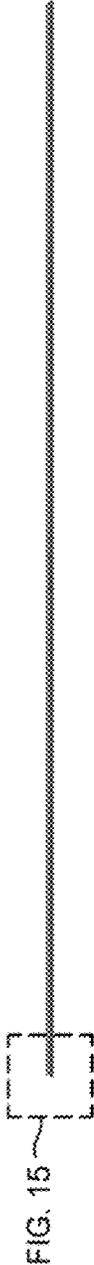


FIG. 6

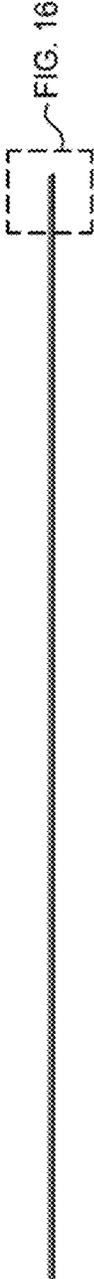


FIG. 7



FIG. 8

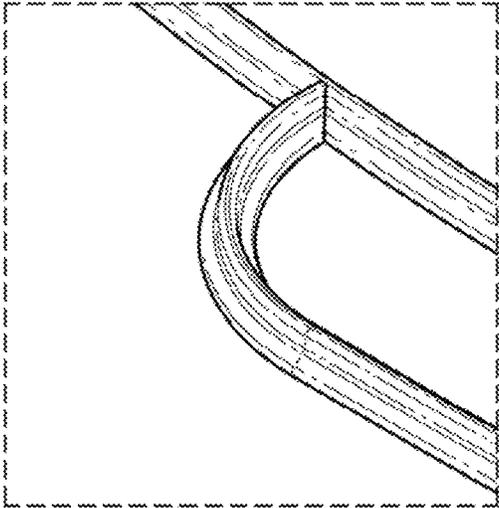


FIG. 9

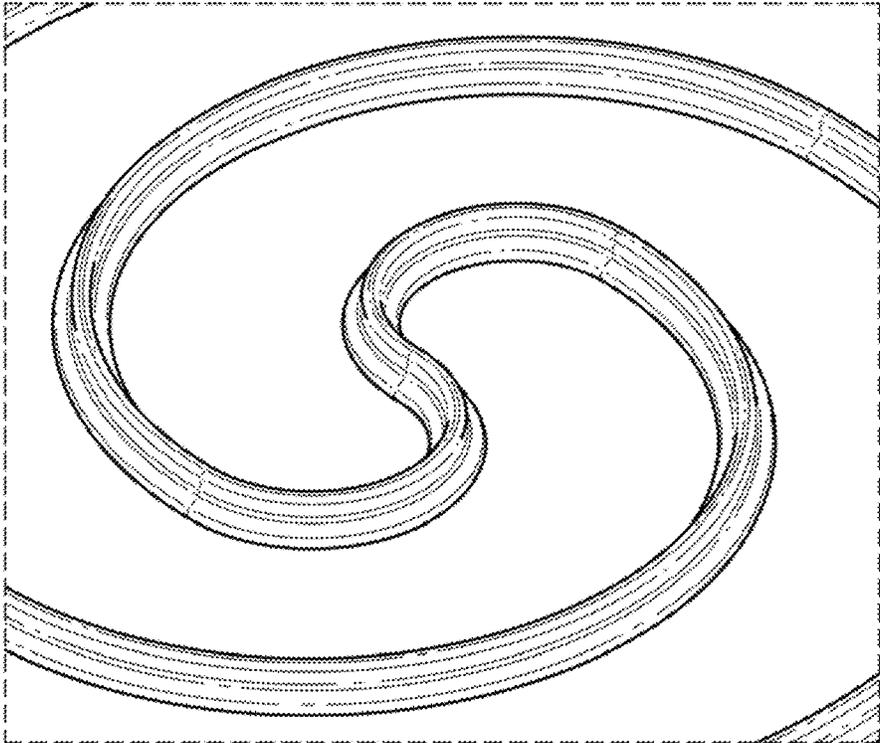


FIG. 10

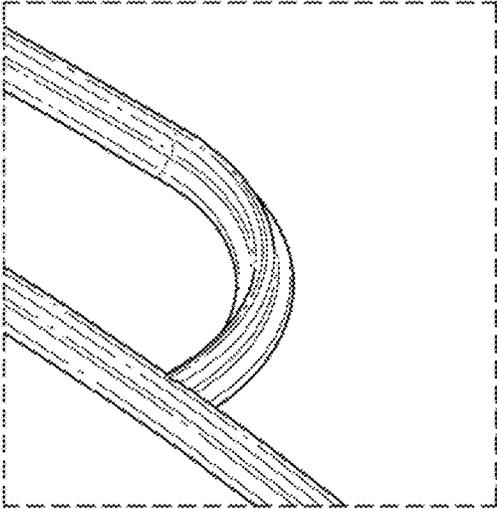


FIG. 11

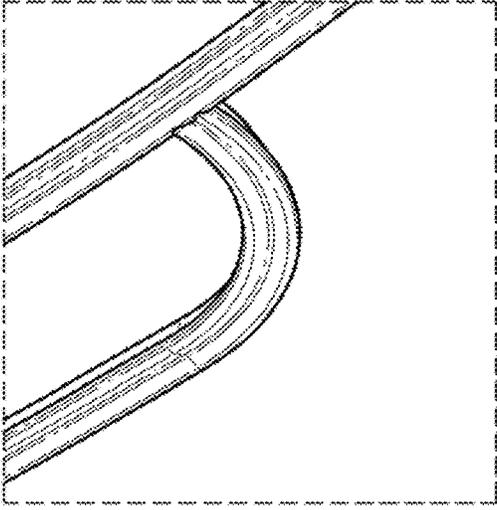


FIG. 12

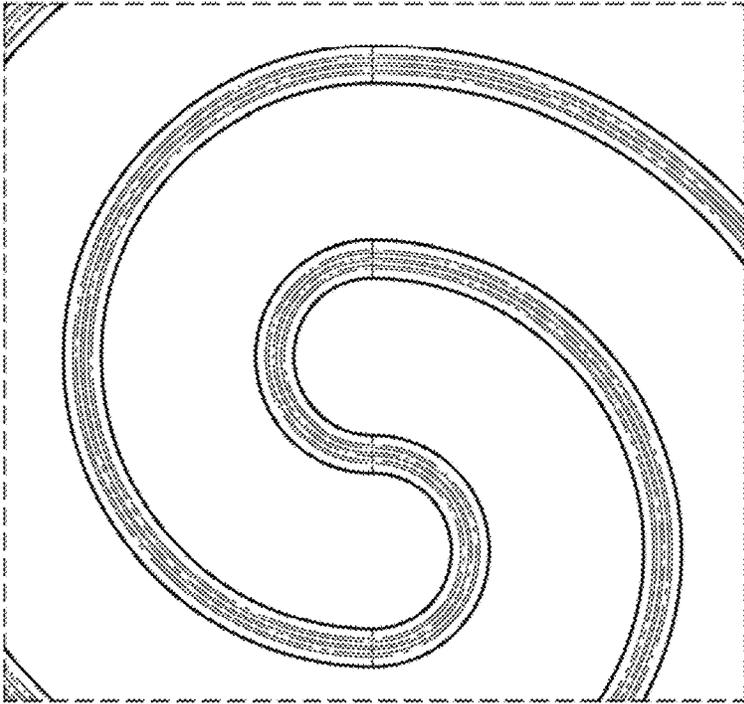


FIG. 13

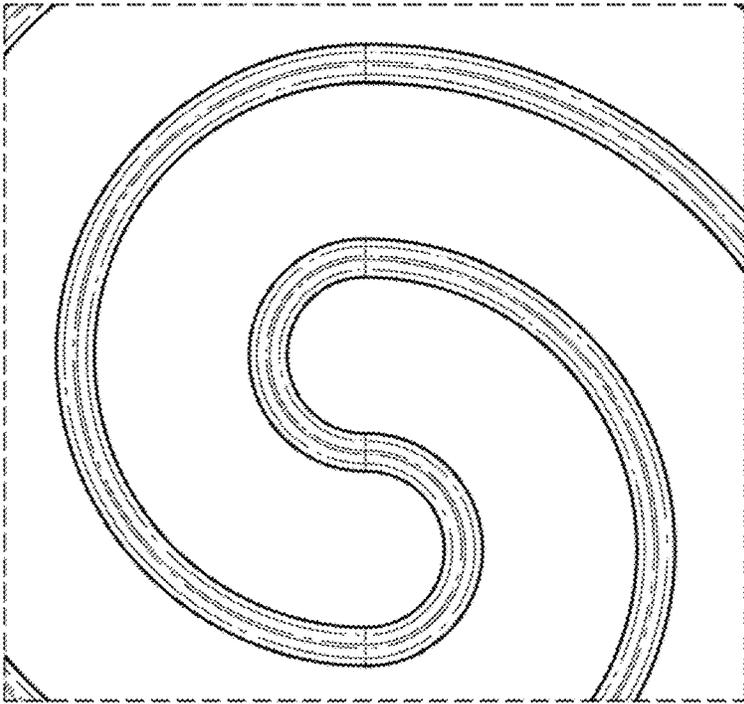


FIG. 14

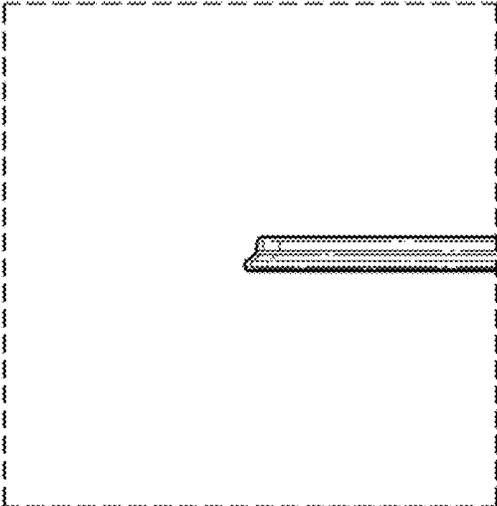


FIG. 15

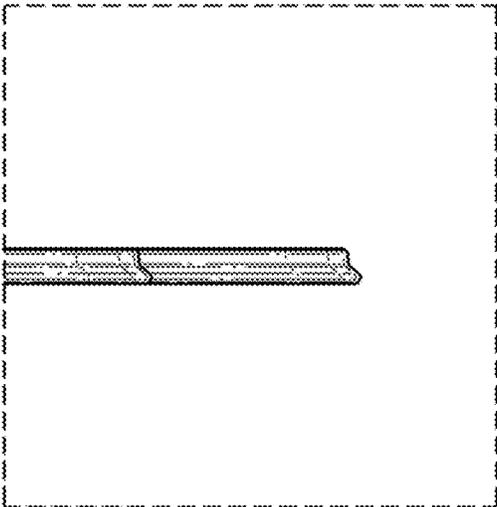


FIG. 16

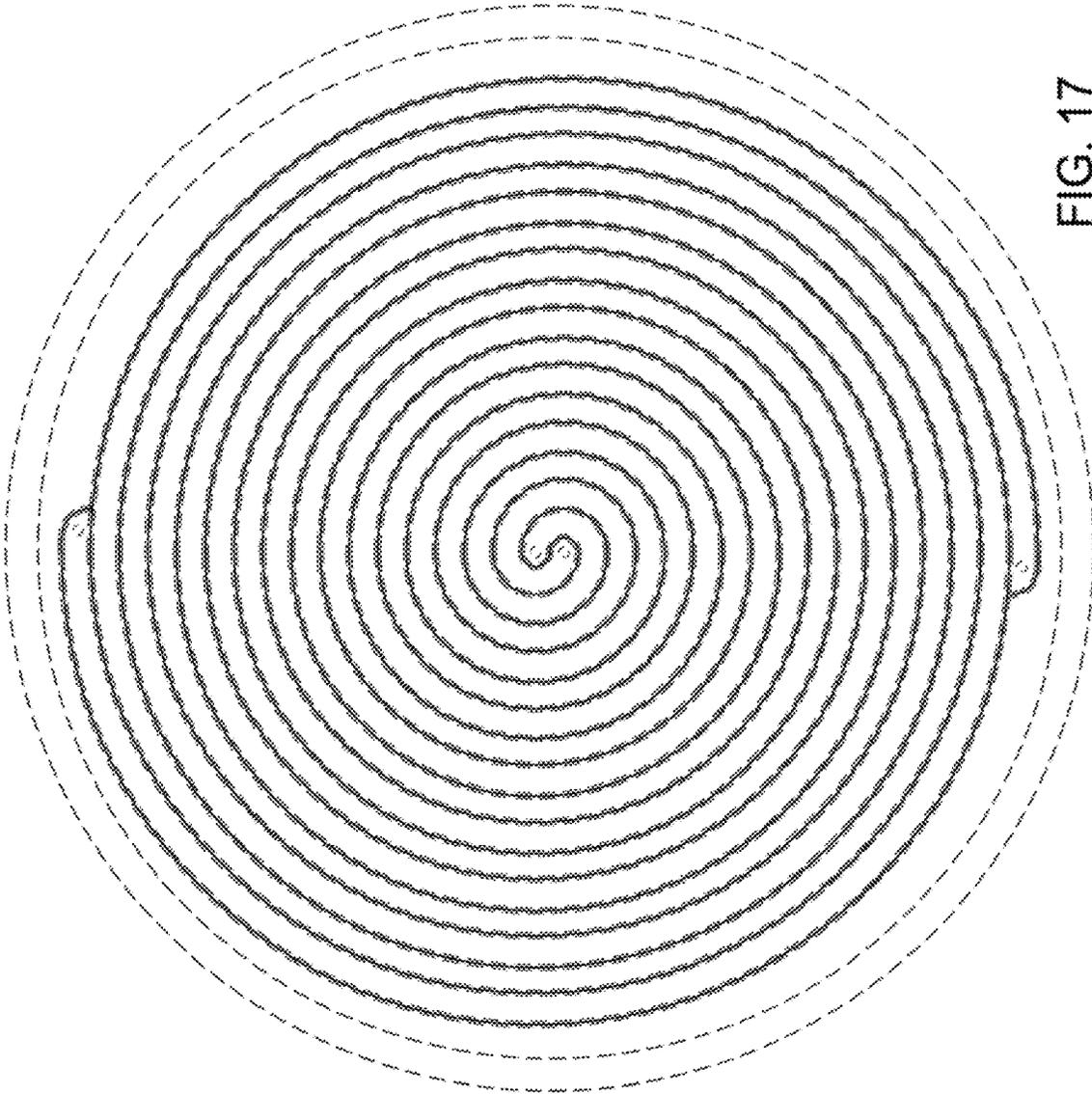


FIG. 17