



US00D959517S

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

(10) **Patent No.:** **US D959,517 S**  
(45) **Date of Patent:** **\*\* Aug. 2, 2022**

(54) **STATIC MIXER**  
(71) Applicant: **Commonwealth Scientific and Industrial Research Organisation, Acton (AU)**

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(72) Inventors: **Yutong Zhu, Acton (AU); Dayalan Gunasegaram, Acton (AU); Saber Mostafavian, Acton (AU)**

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(73) Assignee: **Commonwealth Scientific and Industrial Research Organisation, Acton (AU)**

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<http://samhwamix.com/wp/high-shear-mixershsm/> (Year: 2019).\*

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

*Primary Examiner* — Patricia A Palasik

(21) Appl. No.: **29/766,263**

(74) *Attorney, Agent, or Firm* — Merchant & Gould P.C.

(22) Filed: **Jan. 14, 2021**

(57) **CLAIM**

The ornamental design for static mixer, as shown and described.

(30) **Foreign Application Priority Data**

**DESCRIPTION**

Jul. 23, 2020 (AU) ..... 202014004

(51) **LOC (13) Cl.** ..... **15-09**

(52) **U.S. Cl.**  
USPC ..... **D15/138; D15/135**

(58) **Field of Classification Search**  
USPC ..... D8/70, 71; D15/122, 135, 136, 138;  
D23/207, 259, 261, 267, 268  
CPC ..... B01F 25/4314; B01F 25/43231;  
B01F 35/10; B29B 7/88; B29B 7/325;  
B29C 45/30; B29C 45/581; B29K  
2067/00; F15D 1/02

FIG. 1 is a first perspective view of the static mixer;  
FIG. 2 is a second perspective view of the static mixer of FIG. 1;  
FIG. 3 is a top view of the static mixer of FIG. 1;  
FIG. 4 is a section view of the static mixer of FIG. 3 taken along line 4-4;  
FIG. 5 is a side view of the static mixer of FIG. 1;  
FIG. 6 is an end view of the static mixer of FIG. 1;  
FIG. 7 is an enlarged partial perspective view of circled area 7 of the static mixer of FIG. 1;  
FIG. 8 is an enlarged partial perspective view of circled area 8 of the static mixer of FIG. 2;  
FIG. 9 is an enlarged partial top view of circled area 9 of the static mixer of FIG. 3;  
FIG. 10 is an enlarged partial section view of the static mixer of FIG. 4; and,  
FIG. 11 is an enlarged partial side view of circled area 11 of the static mixer of FIG. 5.

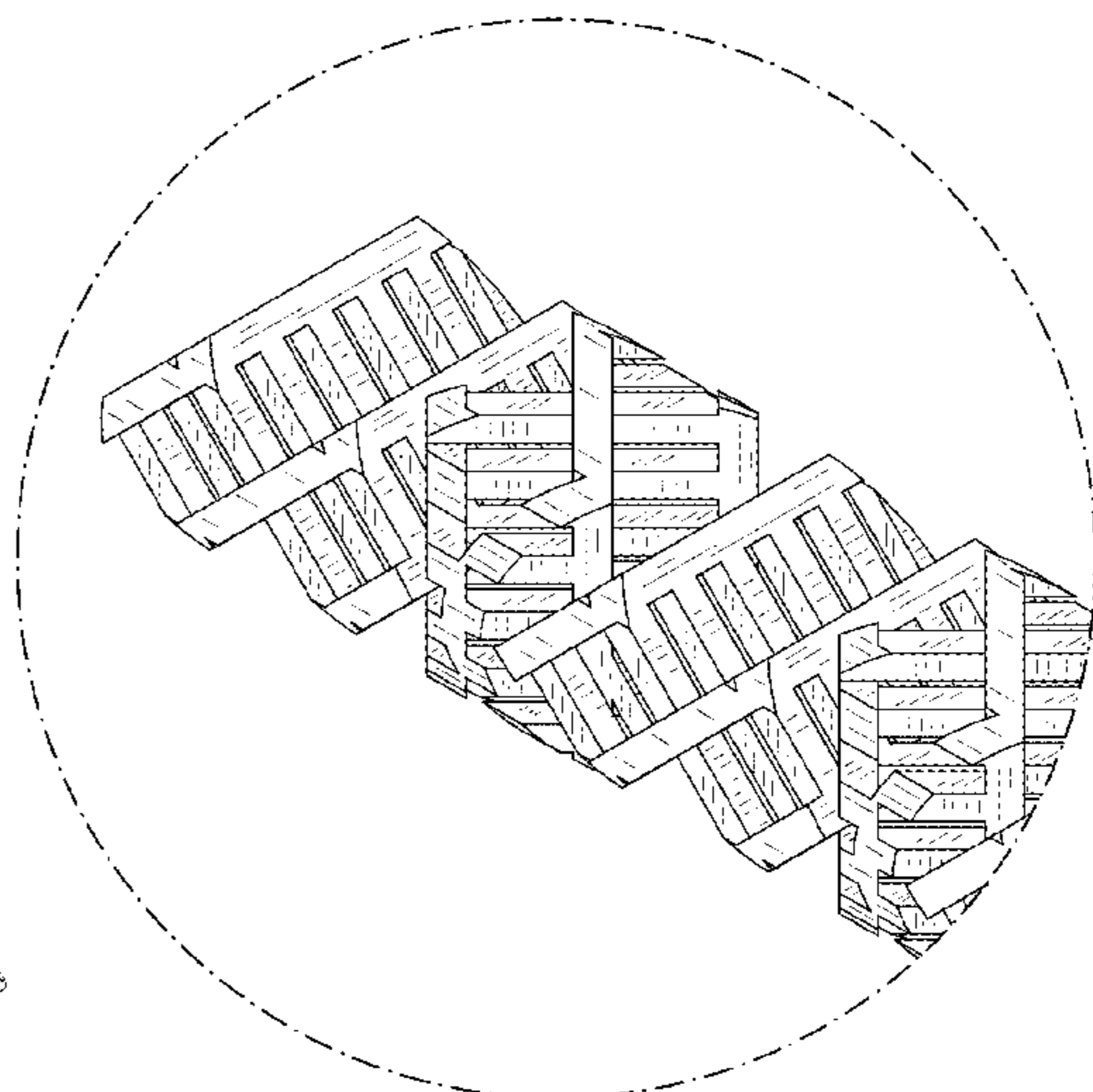
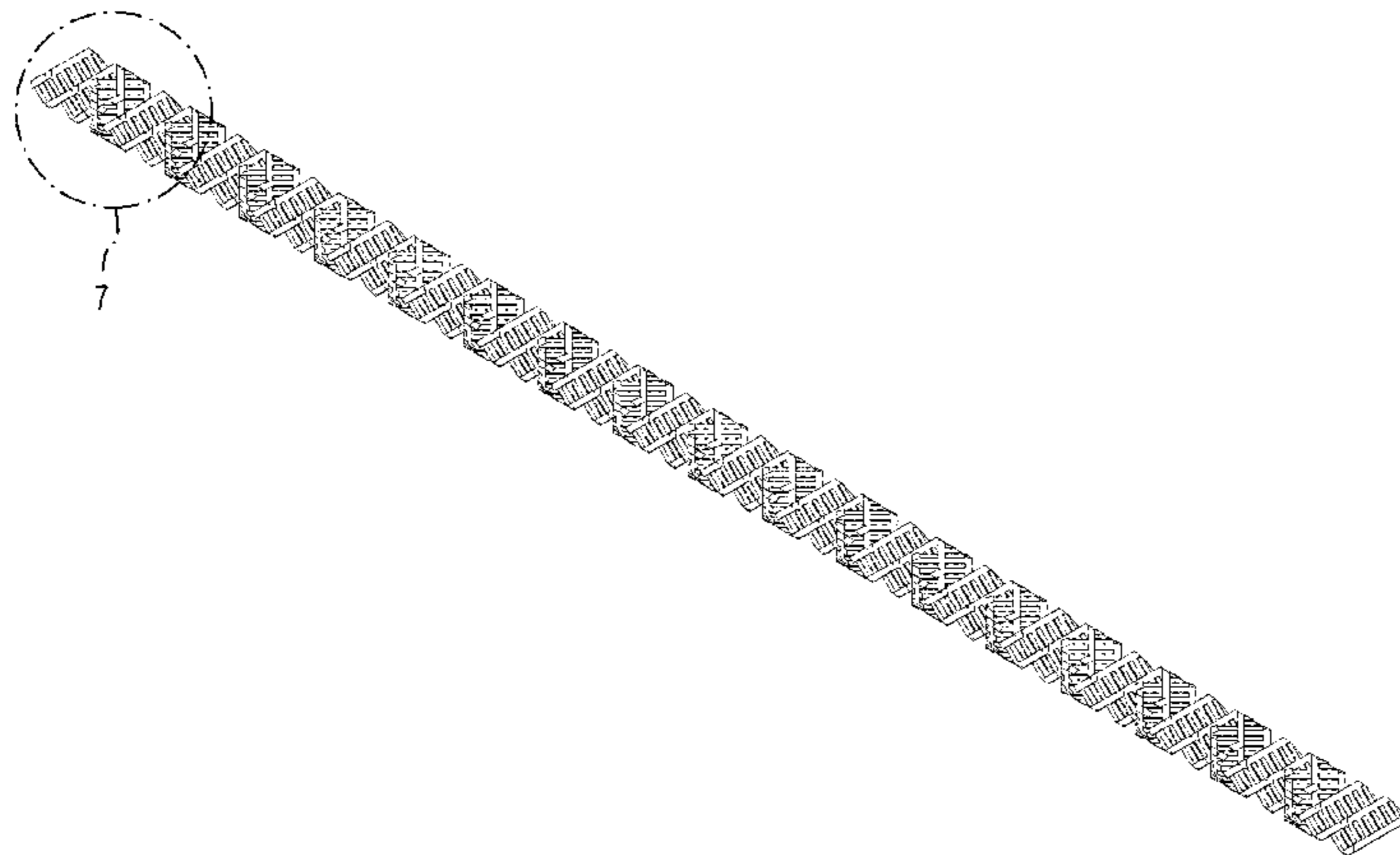
See application file for complete search history.

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**1 Claim, 10 Drawing Sheets**



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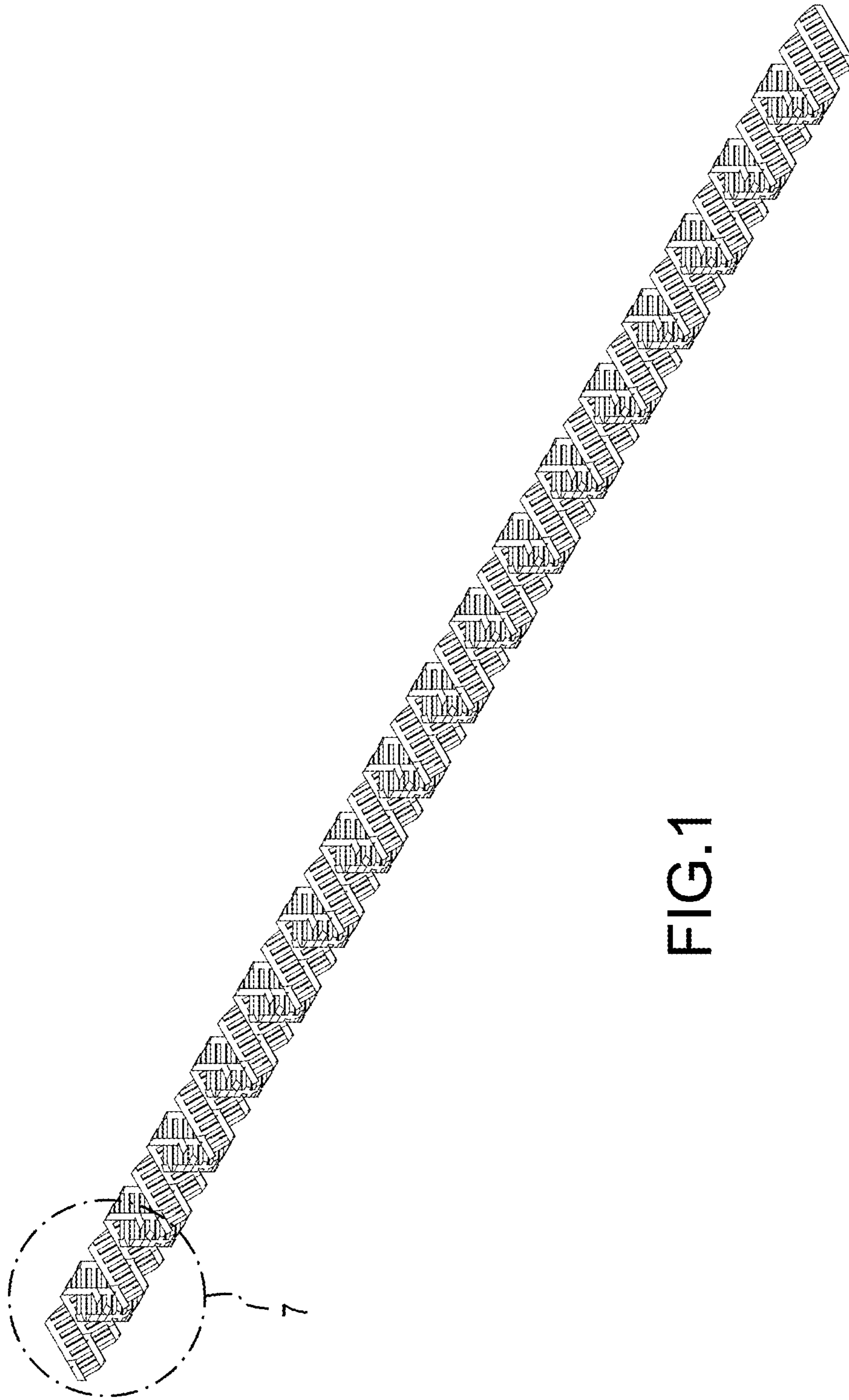


FIG.1

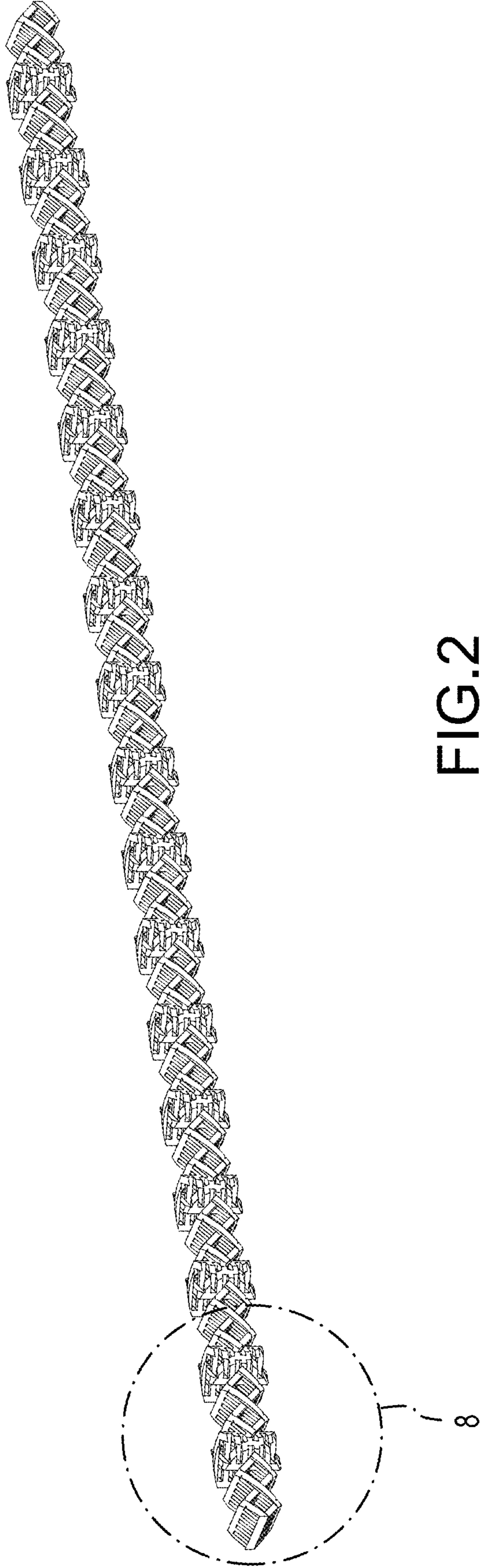
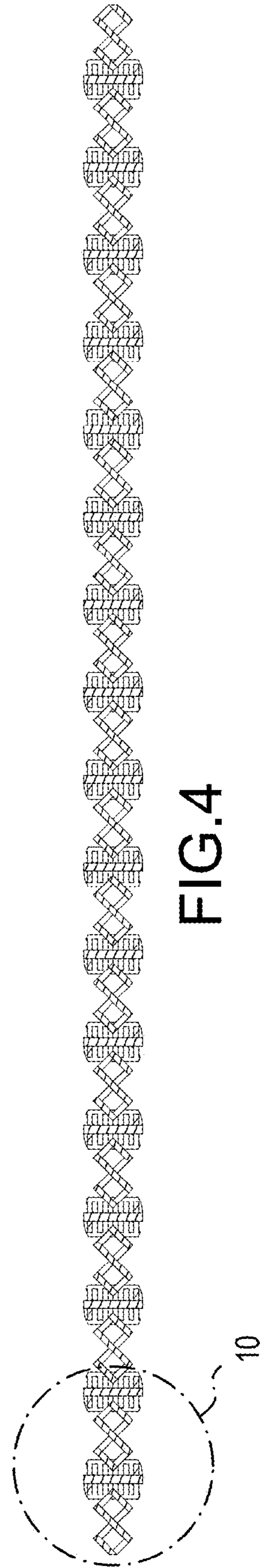
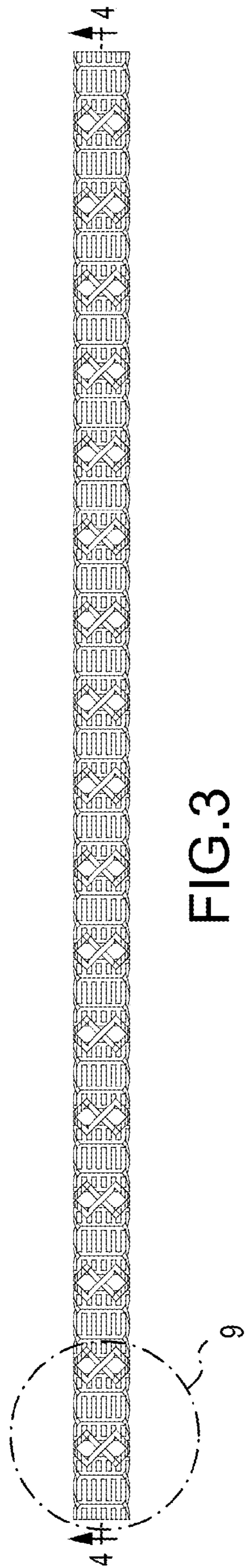
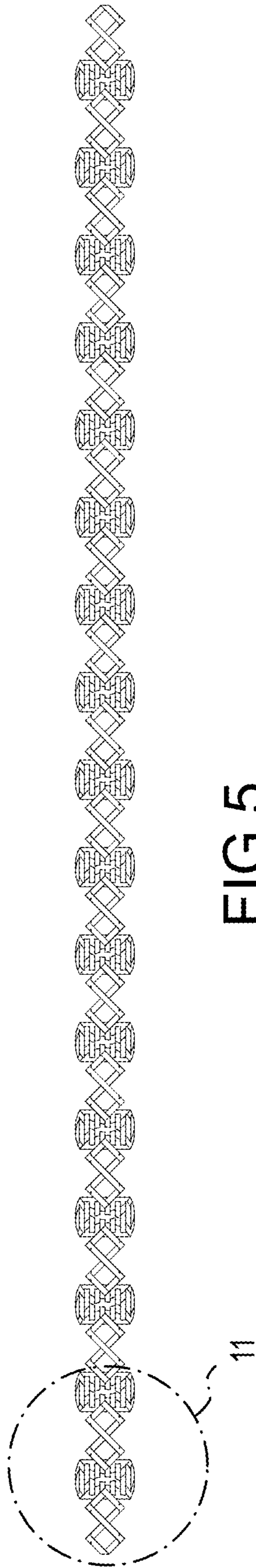


FIG.2





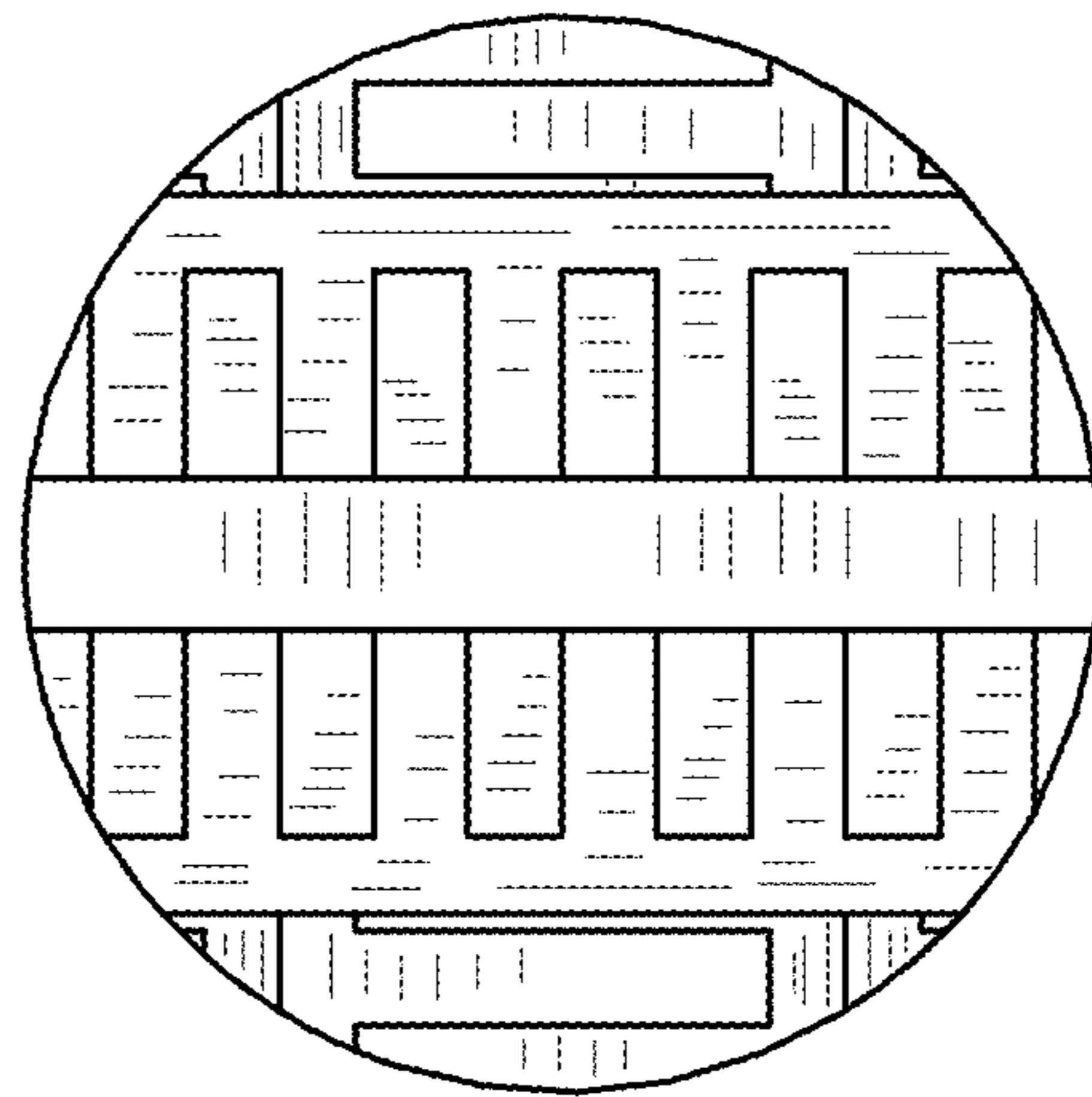


FIG.6

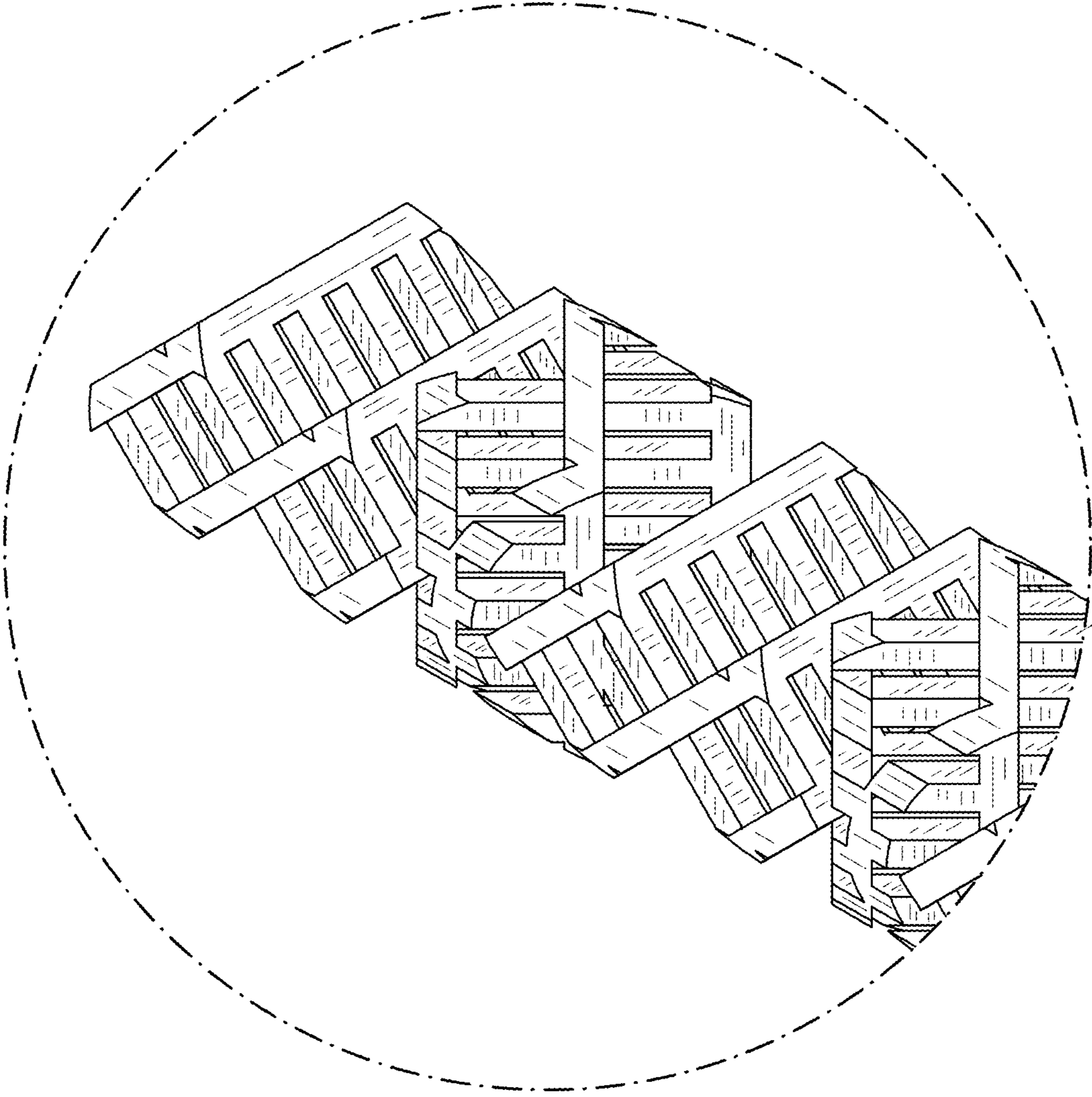


FIG.7



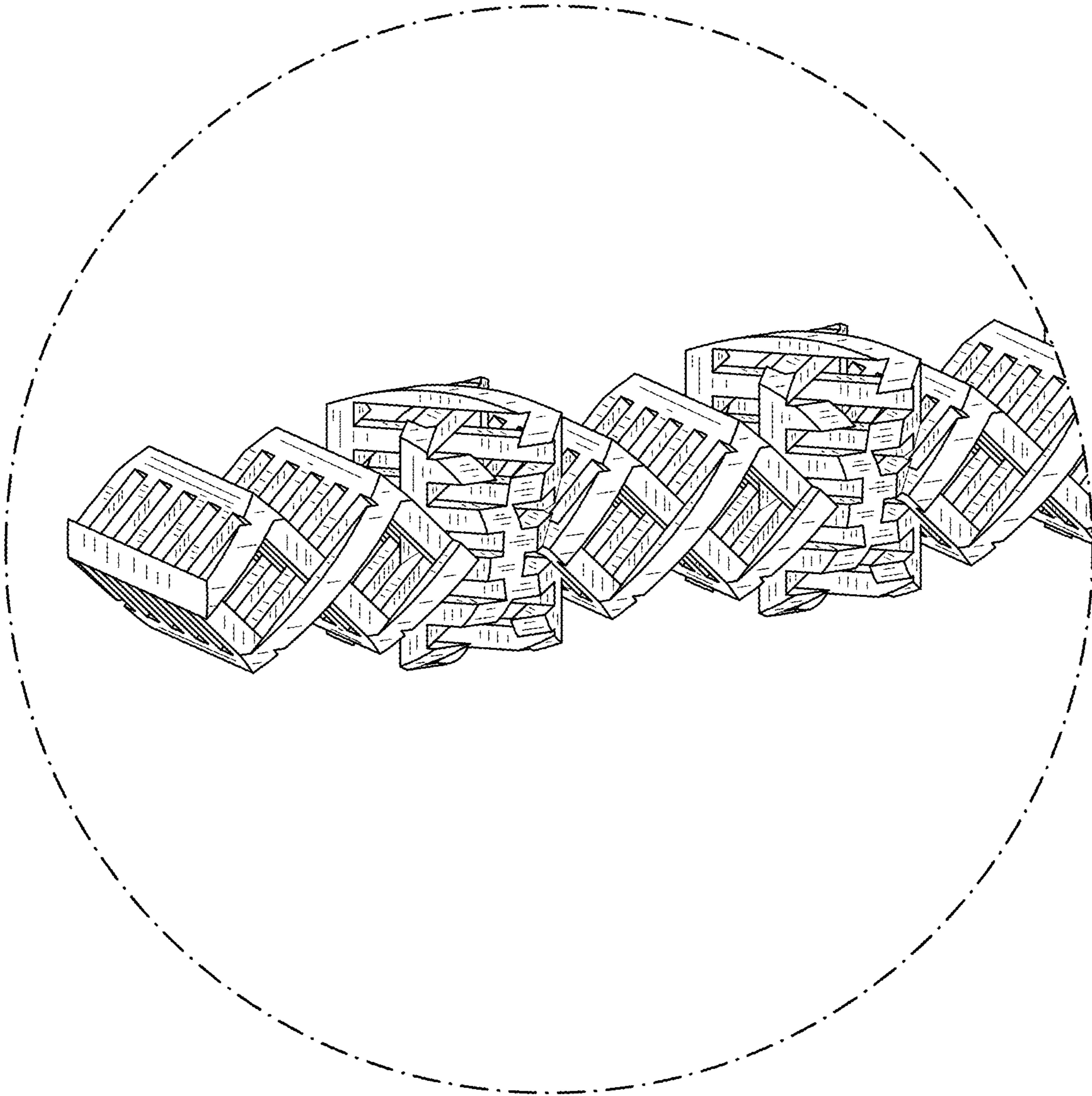


FIG.8

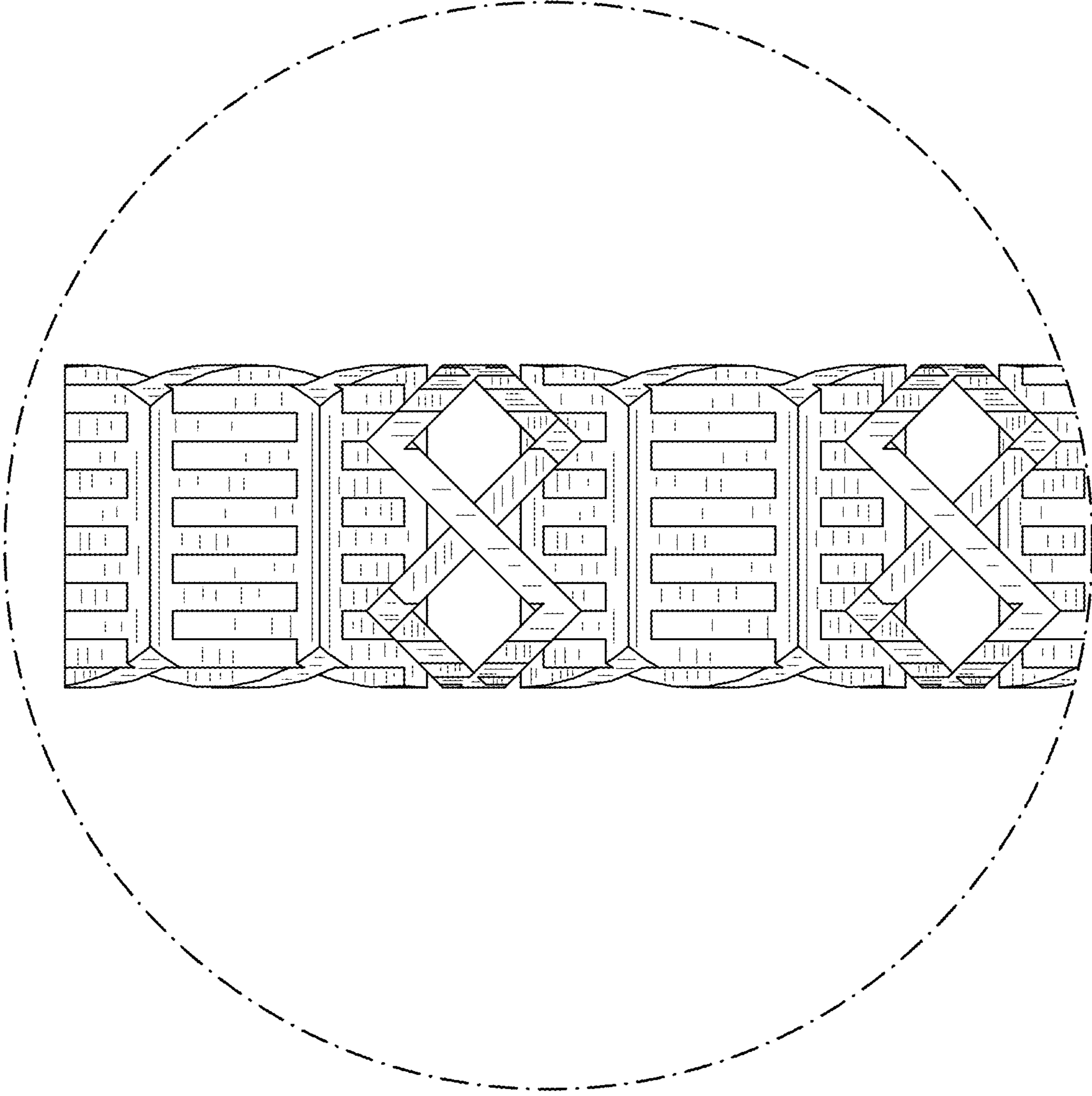


FIG.9

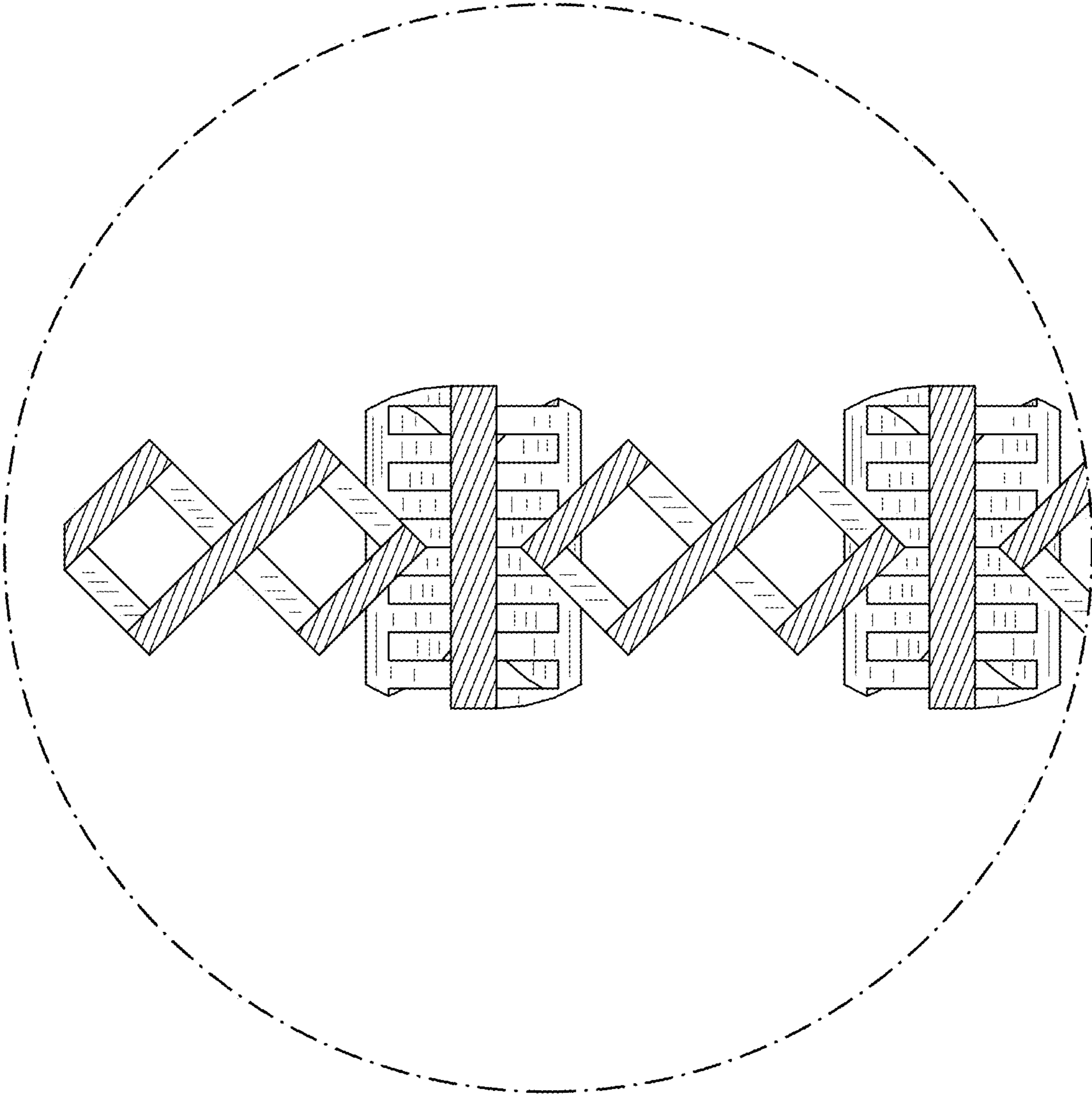


FIG.10

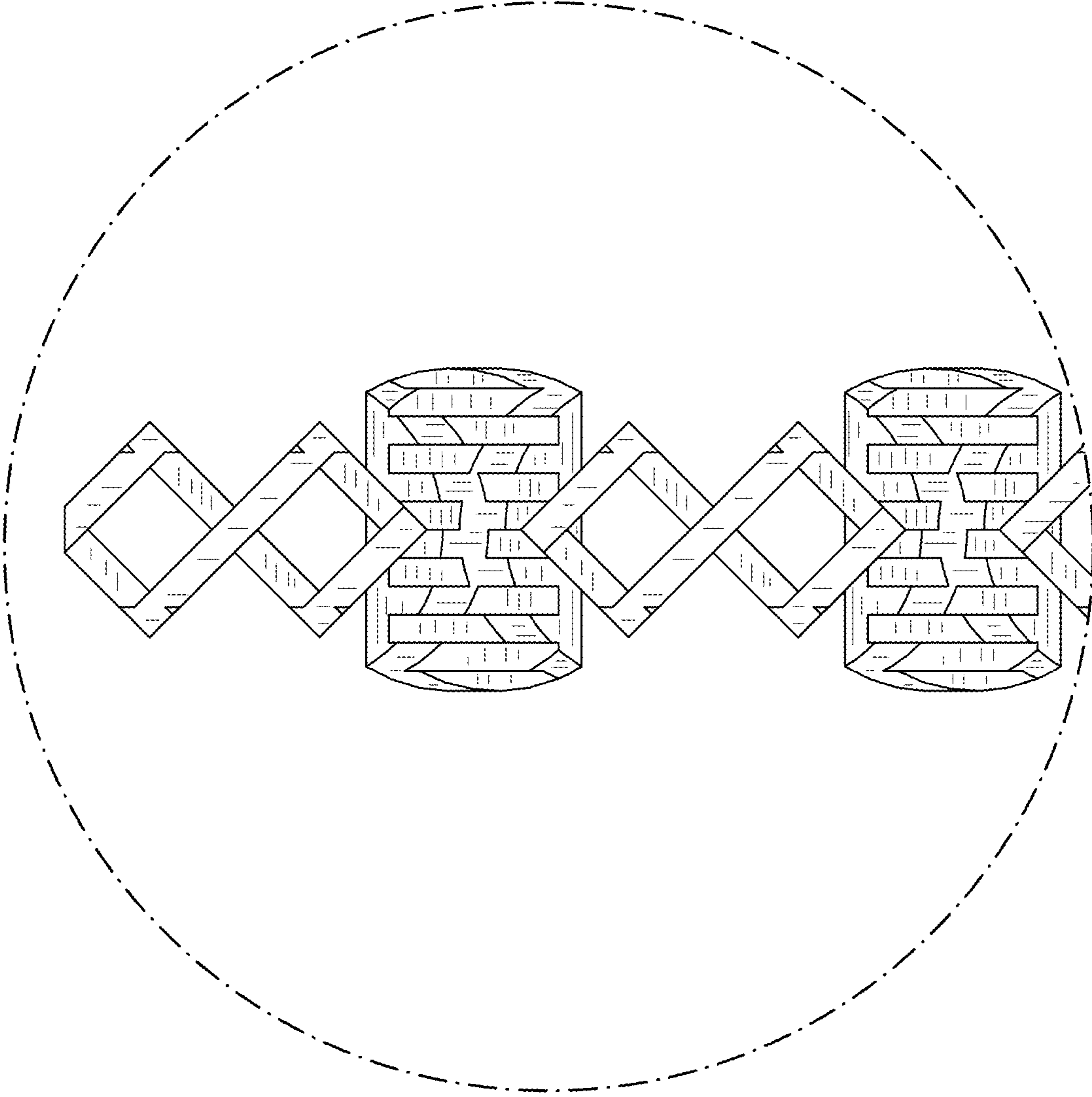


FIG.11

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D959,517 S  
APPLICATION NO. : 29/766263  
DATED : August 2, 2022  
INVENTOR(S) : Yutong Zhu et al.

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

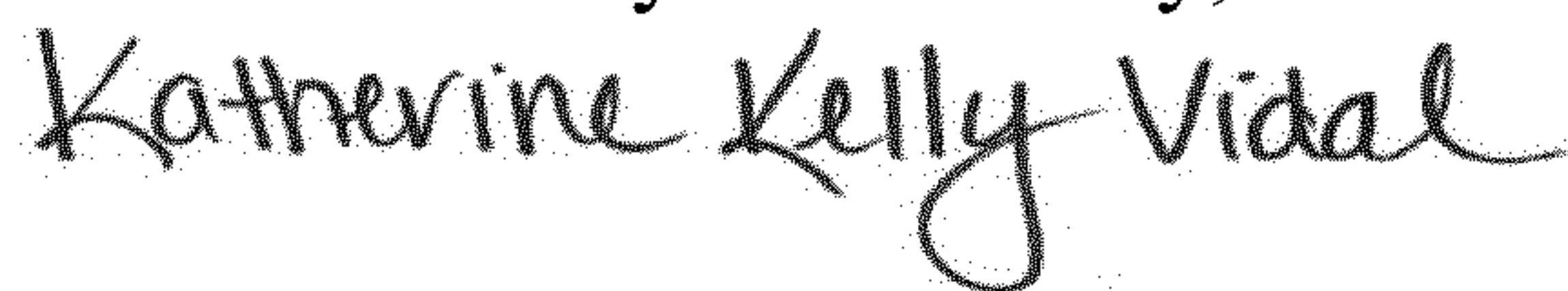
(72) Inventors:

“Yutong Zhu, Acton (AU); Dayalan Gunasegaram, Acton (AU); Saber Mostafavian, Acton (AU)”

Should be:

-- Yutong Zhu, Acton (AU); Dayalan Gunasegaram, Acton (AU); Christian Hornung, Acton (AU) --

Signed and Sealed this  
Twentieth Day of February, 2024



Katherine Kelly Vidal  
*Director of the United States Patent and Trademark Office*