



US00D976384S

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

(10) **Patent No.:** **US D976,384 S**
(45) **Date of Patent:** **** Jan. 24, 2023**

(54) **STATIC MIXER FOR FLUID FLOW**

4,461,579 A 7/1984 McCallum
4,495,858 A 1/1985 Erickson
4,614,440 A 9/1986 King
(Continued)

(71) Applicant: **Canada Pipeline Accessories Co., Ltd.**, Calgary (CA)

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Reginald Selirio, Calgary (CA);
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(73) Assignee: **CANADA PIPELINE ACCESSORIES CO., LTD.**, Calgary (CA)

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

Xingyu 8.74 inch Air Fryer Replacement Grill Pan 5QT Airfryers, Jan. 11, 2021, amazon.ca, Oct. 13, 2022, URL: <https://www.amazon.ca/Replacement-Airfryers-Non-stick-Accessories-Dishwasher/dp/B08PSN7W69/> (Year: 2021).*

(21) Appl. No.: **29/720,391**

(Continued)

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(51) **LOC (14) Cl.** **23-03**

(52) **U.S. Cl.**
USPC **D23/413**

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(58) **Field of Classification Search**
USPC D23/213, 214, 215, 223, 224, 226, 229,
D23/230, 379-380, 413-414
CPC A61H 9/0021; A61H 33/00; B05B 1/00;
B05B 1/14; B05B 1/185; B05B 1/08;
B05B 1/02; B05B 1/26; B05B 12/002;
B05B 1/18; B05B 9/01

(57) **CLAIM**

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

See application file for complete search history.

DESCRIPTION

FIG. 1 illustrates a front perspective view of a static mixer having a plurality of curved arms circumferentially positioned around a central portion of the static mixer.

FIG. 2 illustrates a rear perspective view of the static mixer of FIG. 1.

FIG. 3 illustrates a front view of the static mixer of FIG. 1. FIG. 4 illustrates a cross-sectional view of the static mixer of FIG. 1 along the cut depicted in FIG. 3.

FIG. 5 illustrates a rear view of the static mixer of FIG. 1; and,

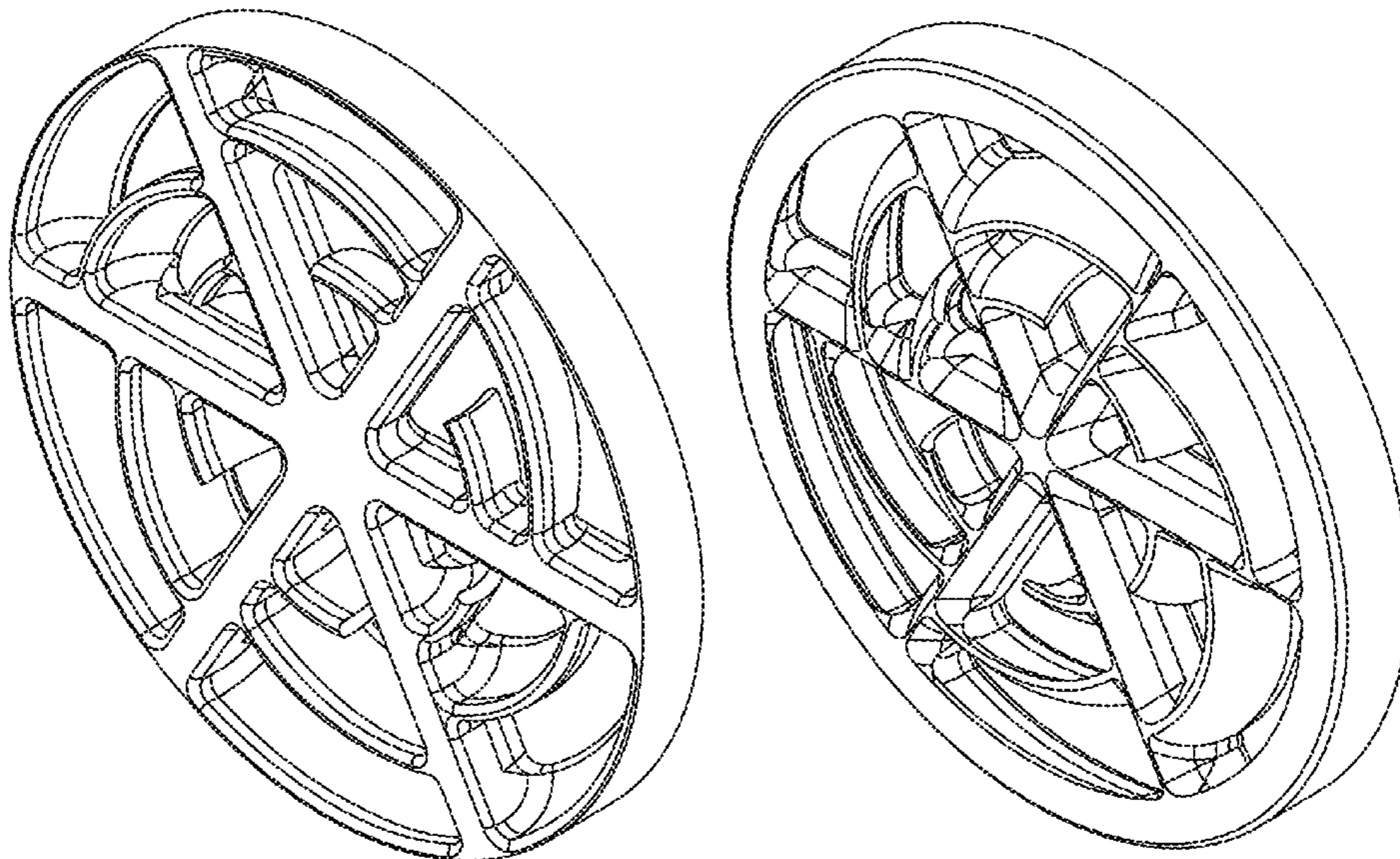
FIG. 6 illustrates a side view of the static mixer of FIG. 1 having the rear of the static mixer on the left.

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1 Claim, 5 Drawing Sheets



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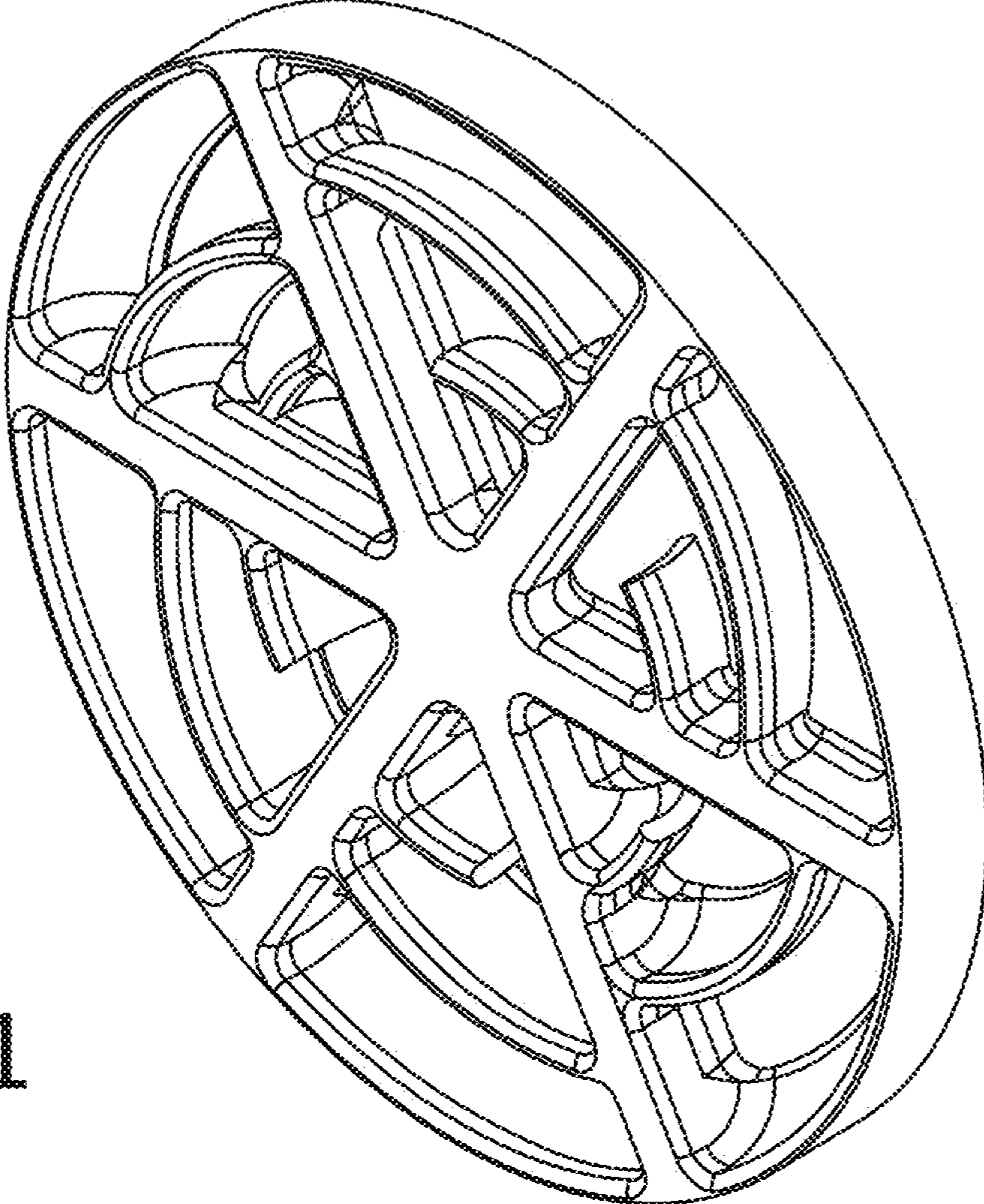


FIG. 1

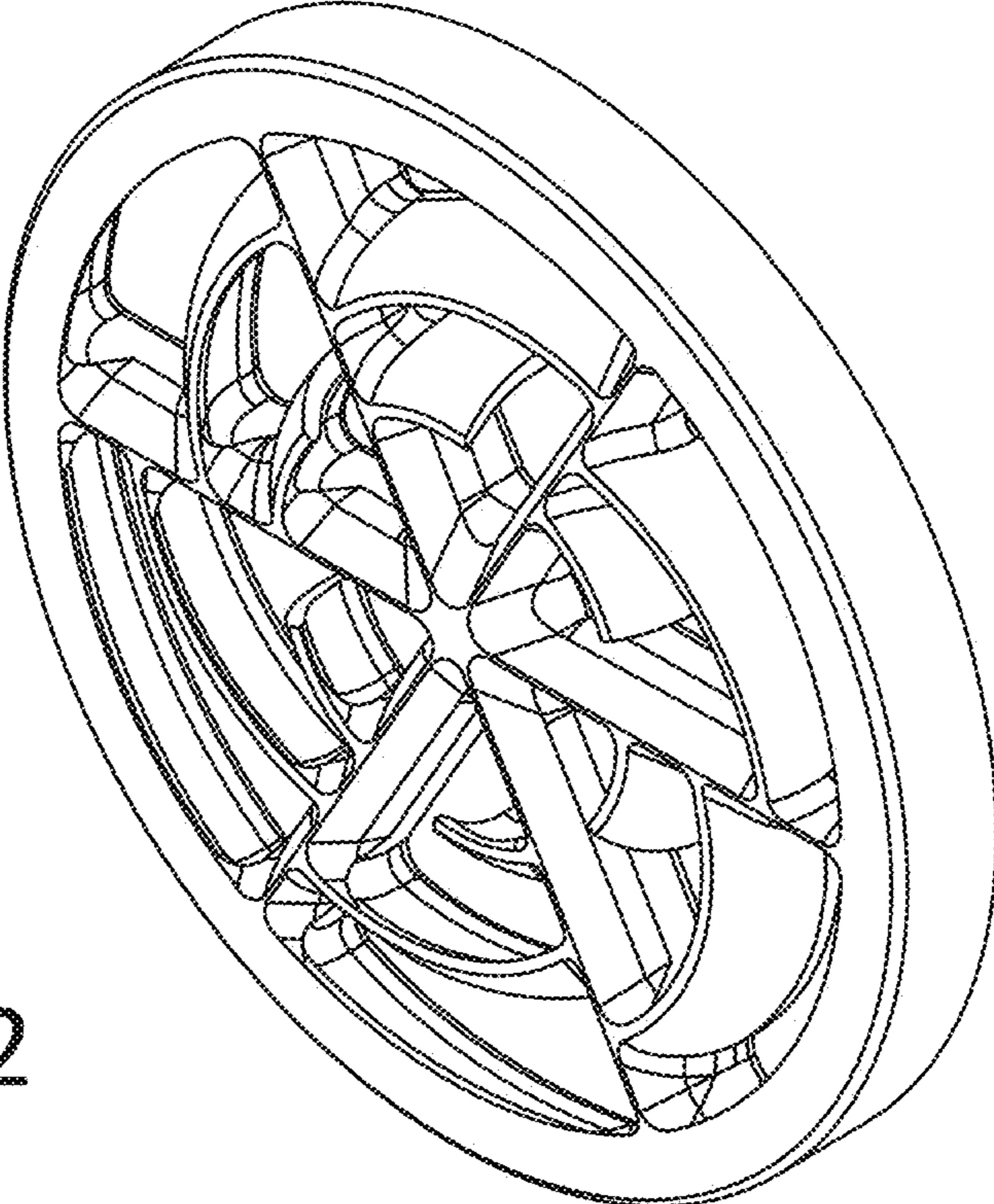


FIG. 2

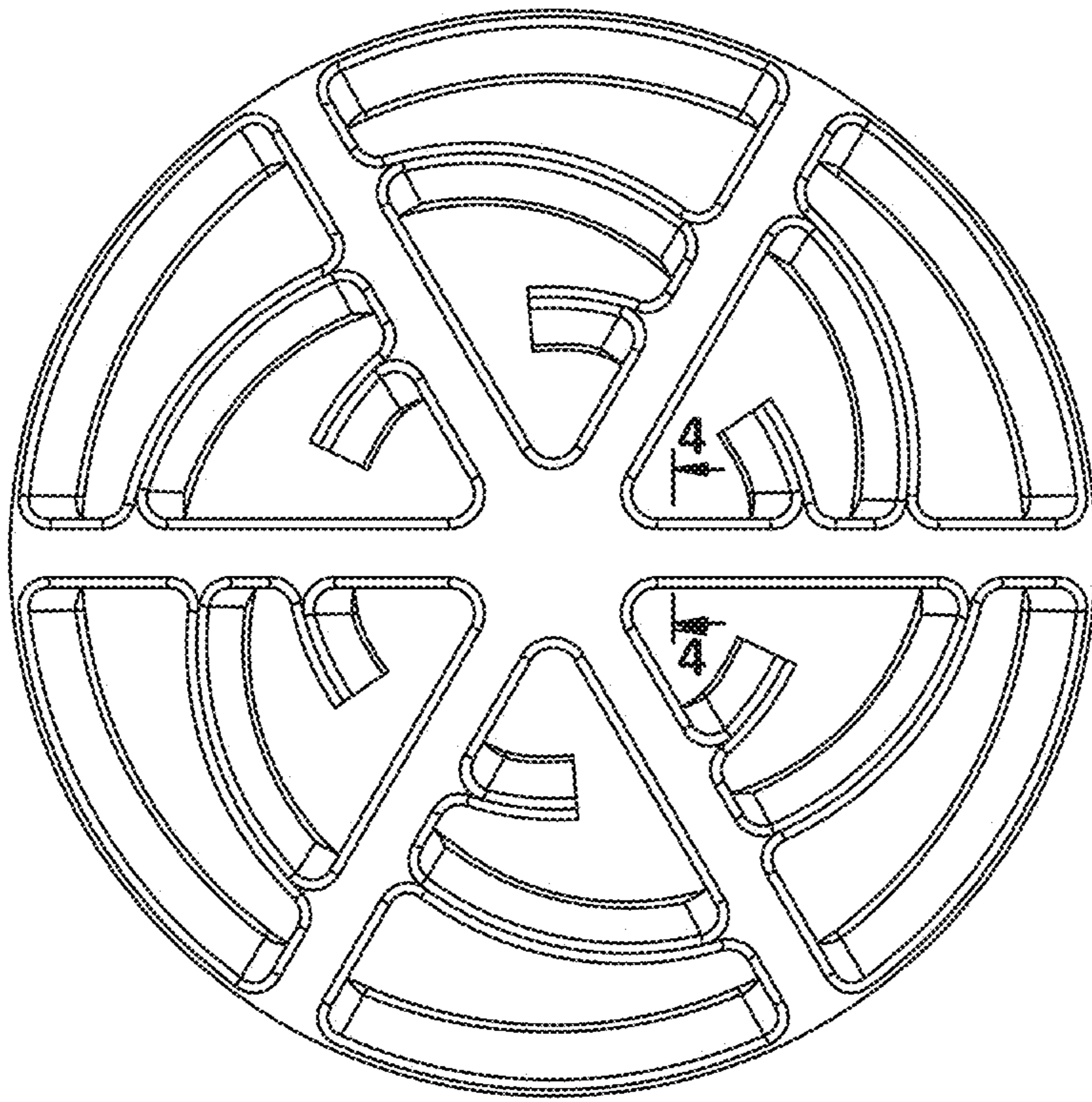


FIG. 3



FIG. 4

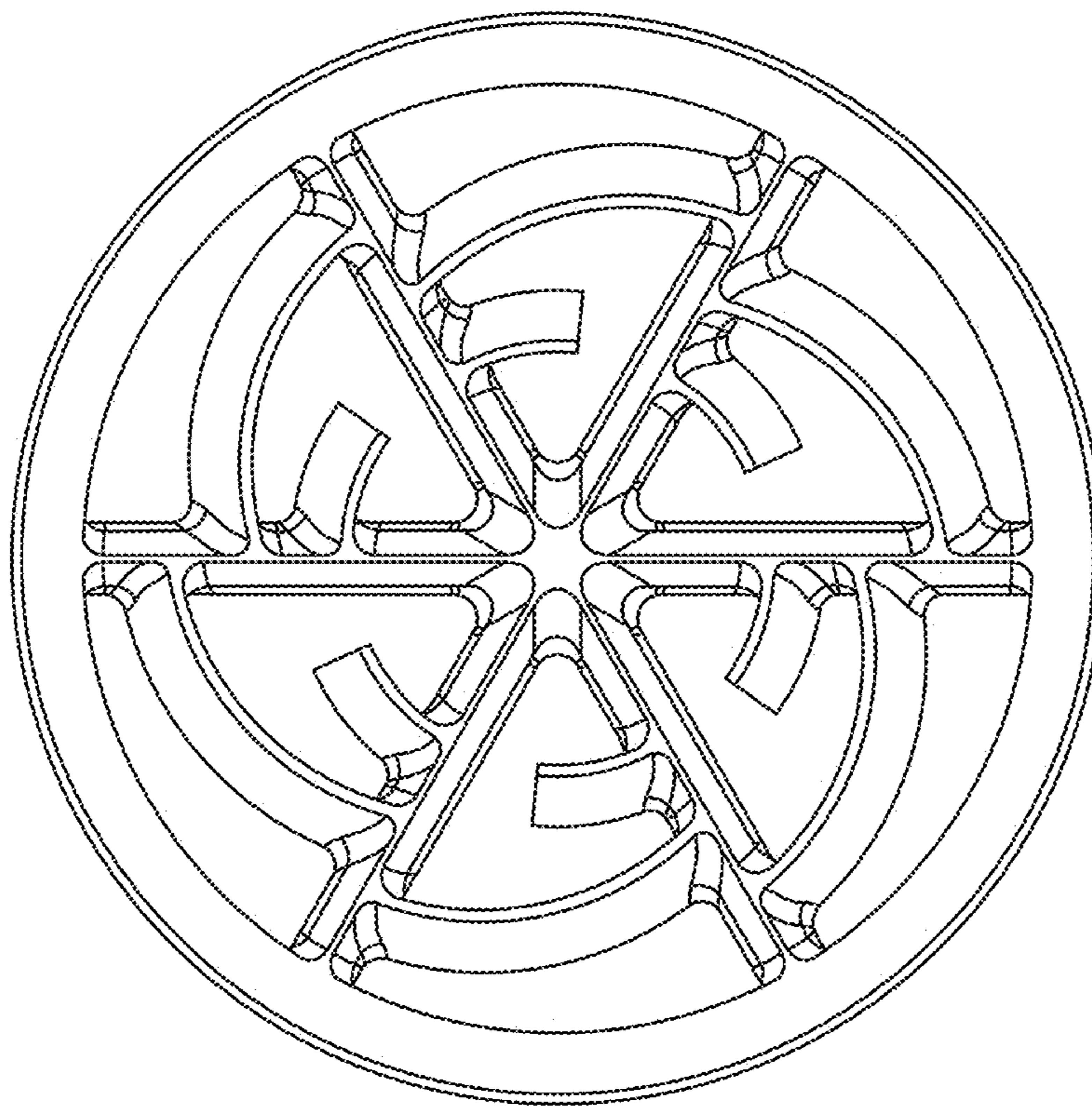


FIG. 5

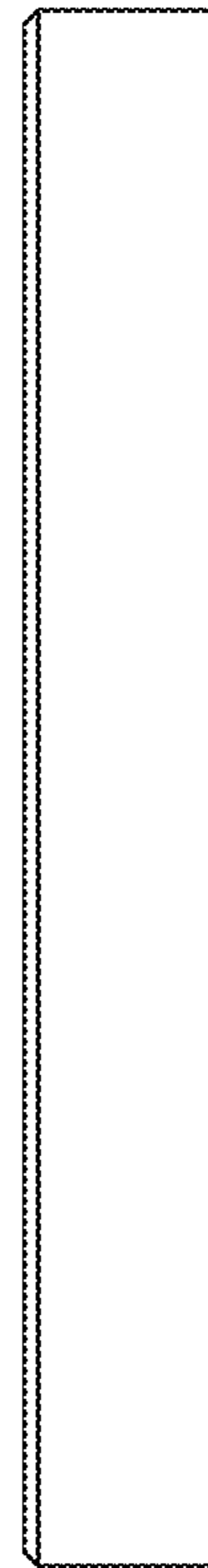


FIG. 6

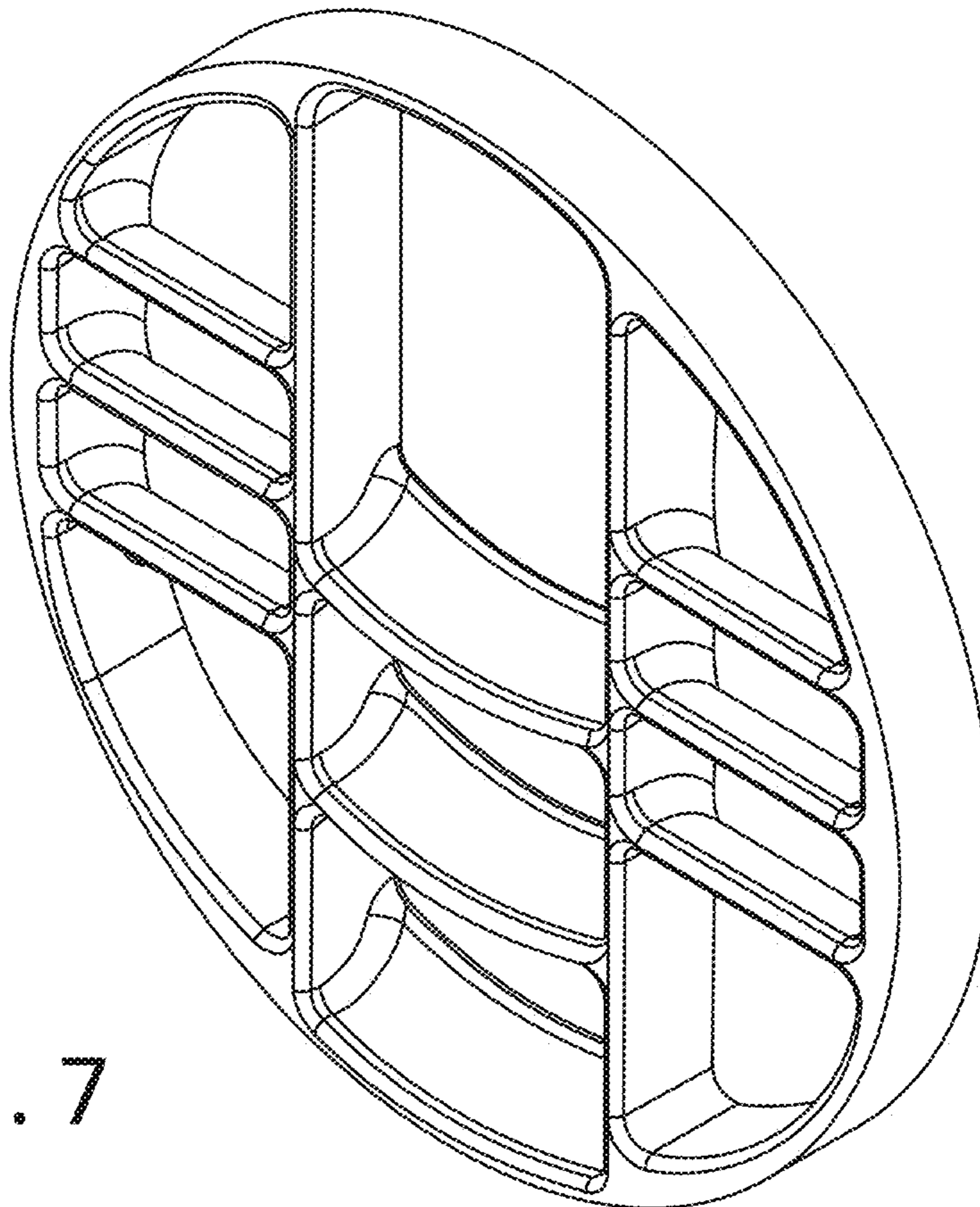


FIG. 7

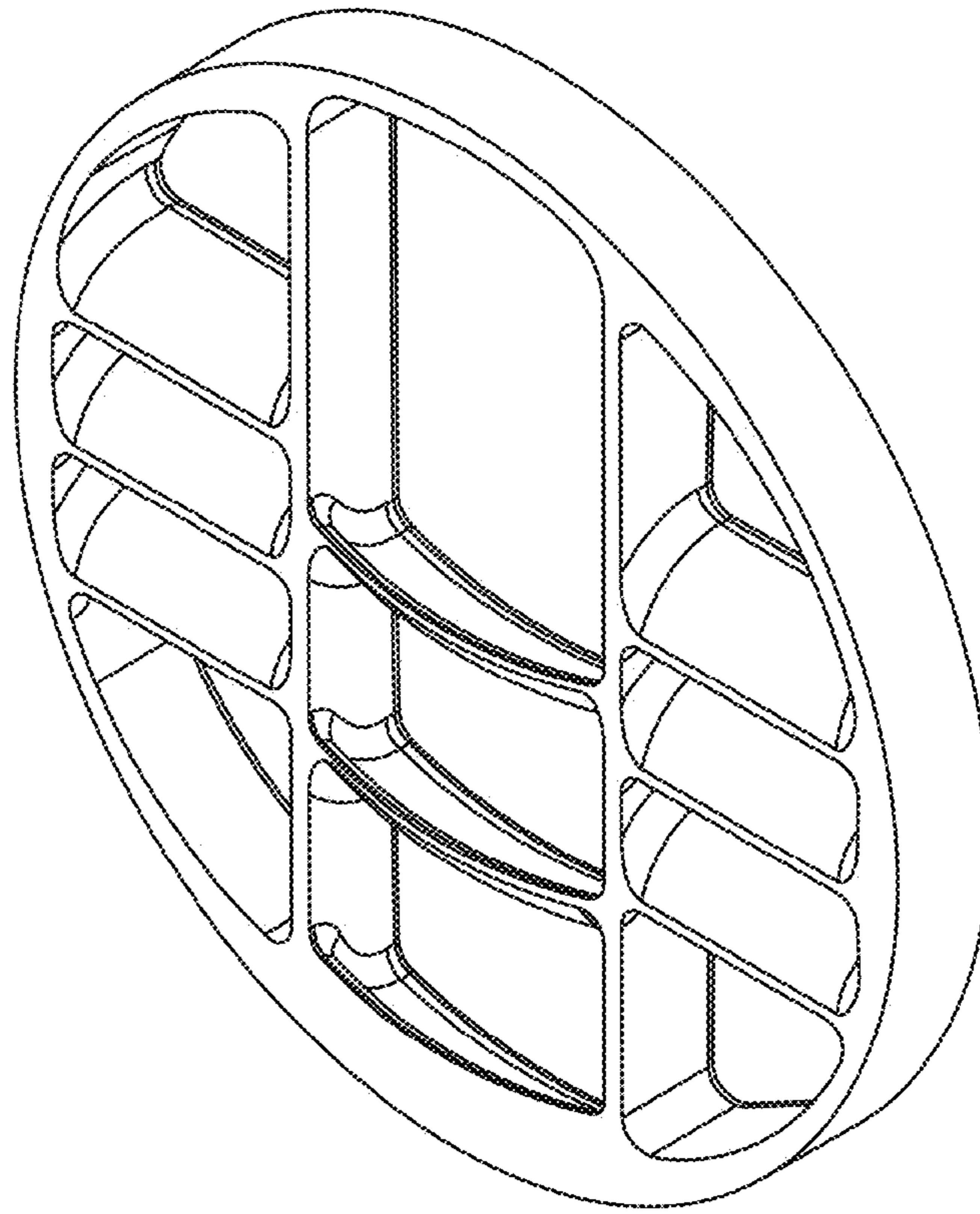
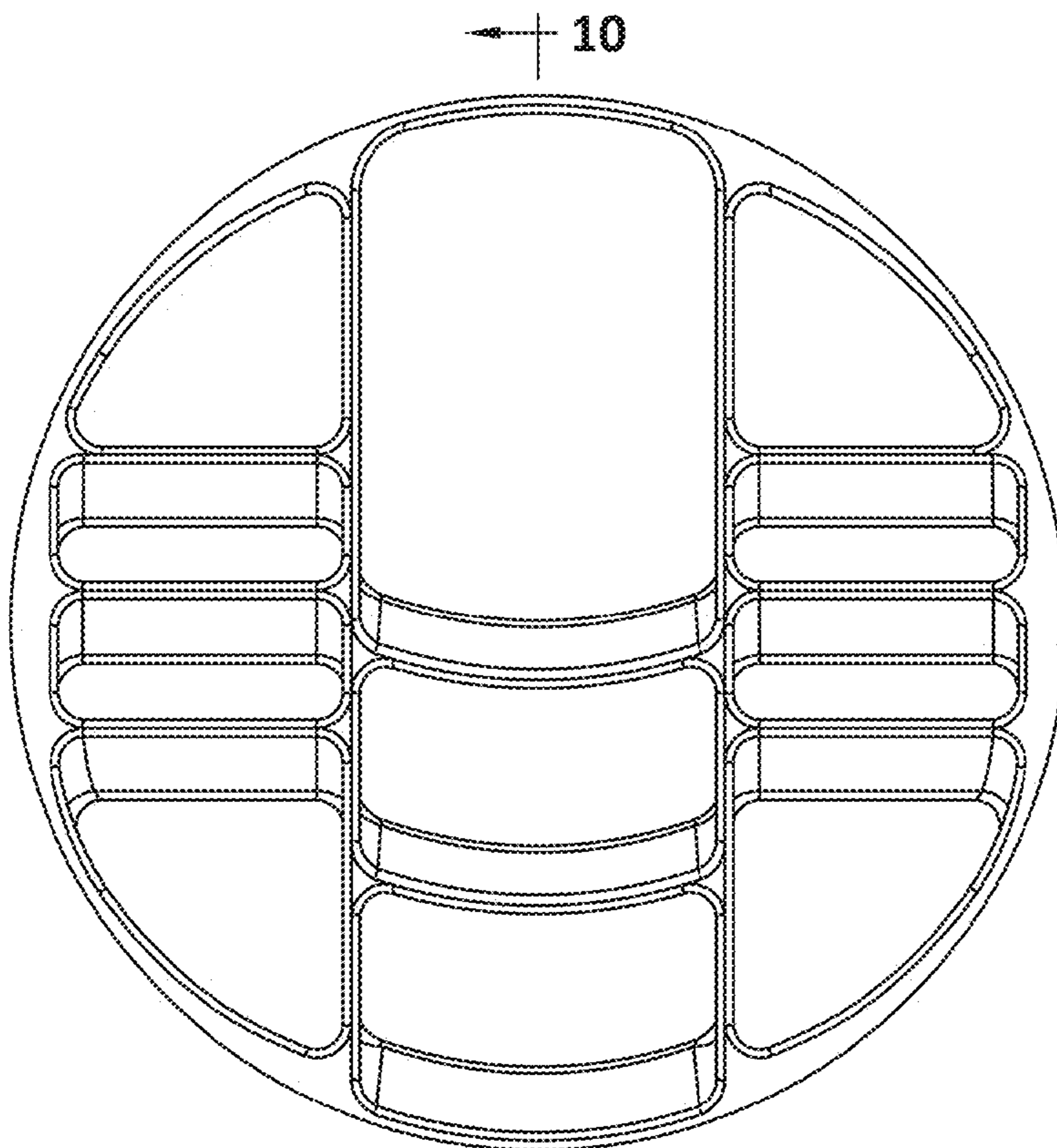


FIG. 8



← 10

← 10

FIG. 9

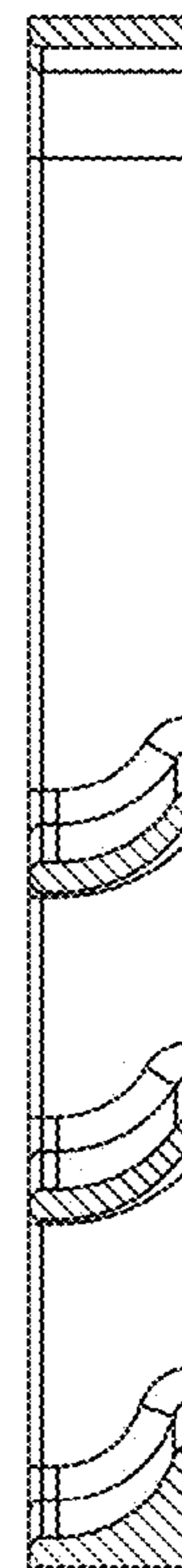


FIG. 10

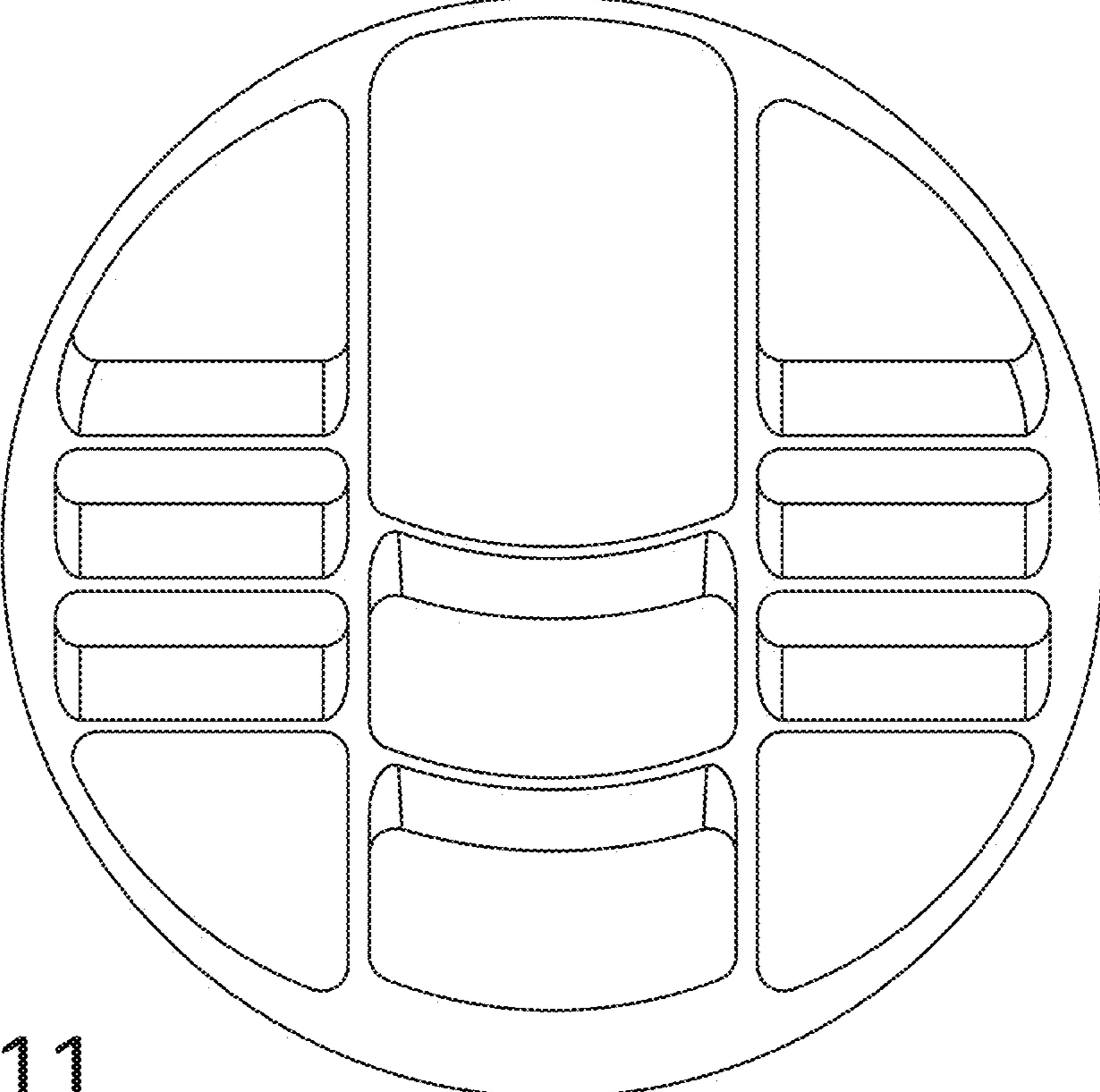


FIG. 11

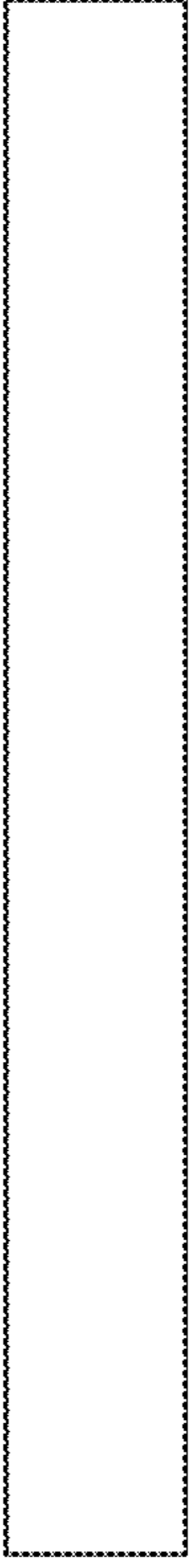


FIG. 12

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D976,384 S
APPLICATION NO. : 29/720391
DATED : January 24, 2023
INVENTOR(S) : Sawchuk et al.

Page 1 of 5

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

Replace Title Page with attached Title Page.

In the Drawings

Replace Drawing sheets 1-3 with attached Drawing sheets 1-3.

Delete Drawing sheets 4-5.

Signed and Sealed this
Thirteenth Day of June, 2023
Katherine Kelly Vidal

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

(12) **United States Design Patent** (10) **Patent No.:** **US D976,384 S**
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Primary Examiner — Keith J Wilson

(74) *Attorney, Agent, or Firm* — Calm & Samuels, LLP

(58) **Field of Classification Search**
 USPC D23/213, 214, 215, 223, 224, 226, 229,
 D23/230, 379-380, 413-414
 CPC A61H 9/0021; A61H 33/00; B05B 1/00;
 B05B 1/14; B05B 1/185; B05B 1/08;
 B05B 1/02; B05B 1/26; B05B 12/002;
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(57) **CLAIM**

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See application file for complete search history.

DESCRIPTION

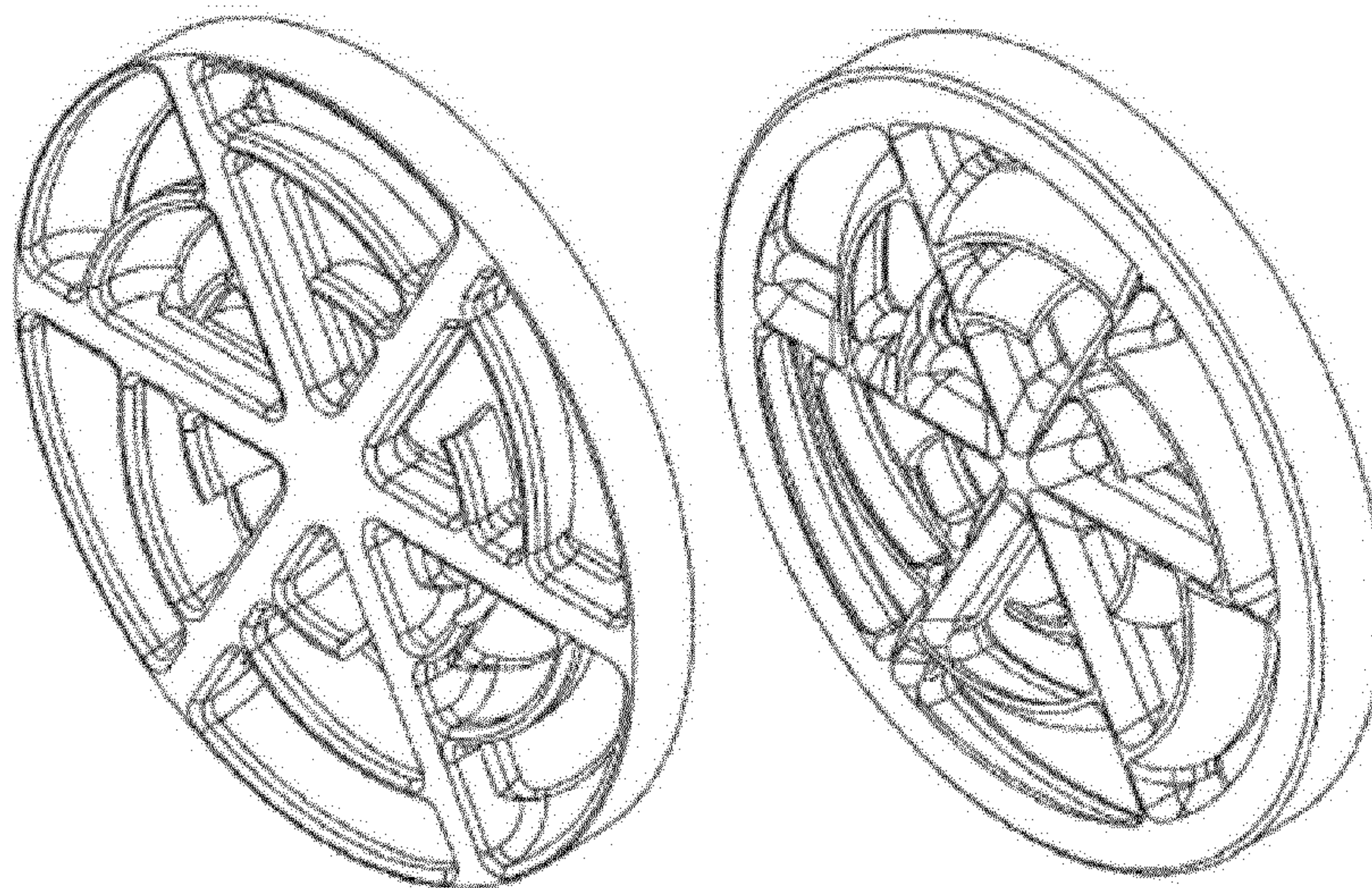
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 FIG. 2 illustrates a rear perspective view of the static mixer of FIG. 1.
 FIG. 3 illustrates a front view of the static mixer of FIG. 1.
 FIG. 4 illustrates a cross-sectional view of the static mixer of FIG. 1 along the cut depicted in FIG. 3.
 FIG. 5 illustrates a rear view of the static mixer of FIG. 1; and,
 FIG. 6 illustrates a side view of the static mixer of FIG. 1 having the rear of the static mixer on the left.

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3,911,073 A	10/1975	Charles-Massance
4,208,136 A	6/1980	King

1 Claim, 3 Drawing Sheets



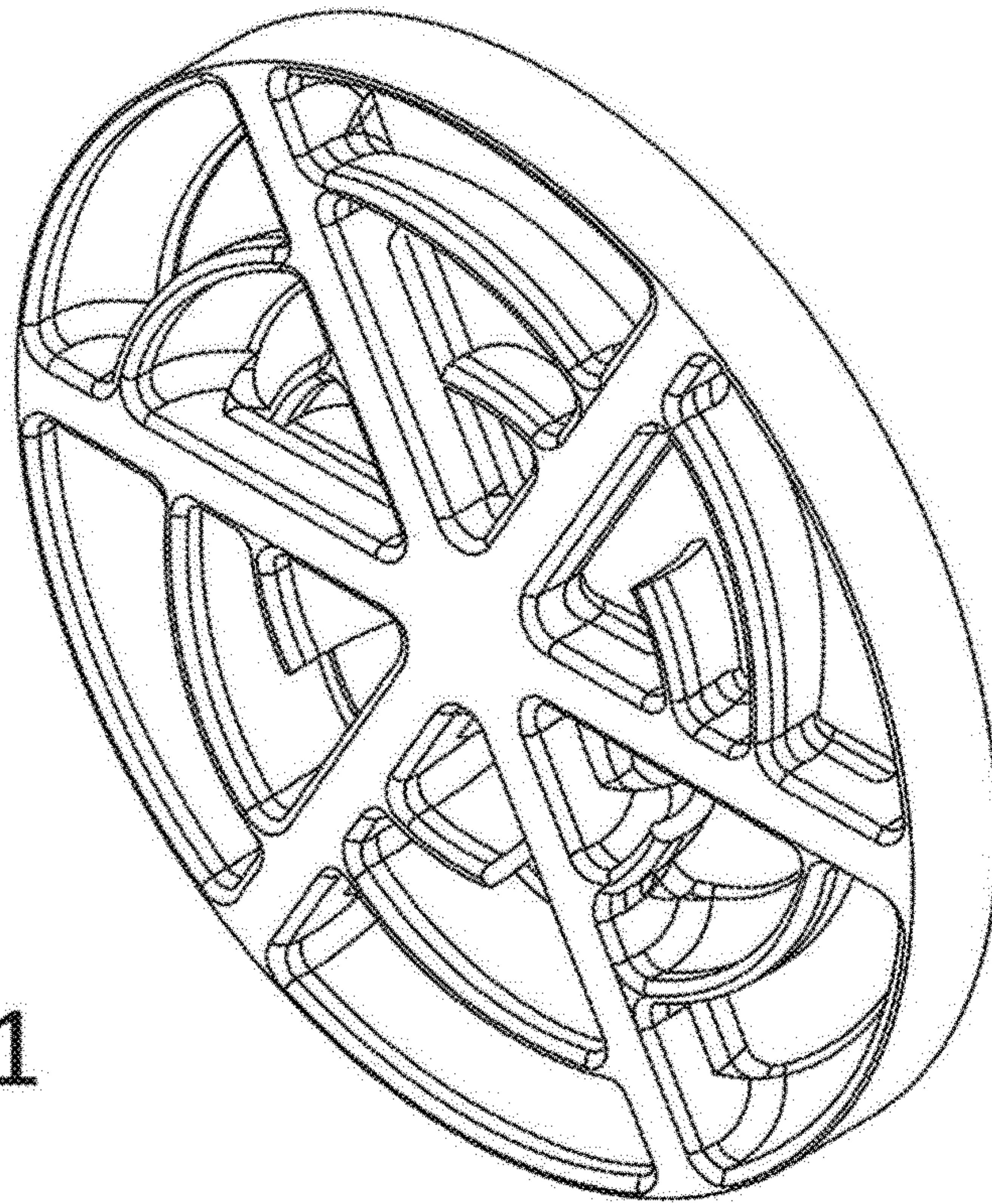


FIG. 1

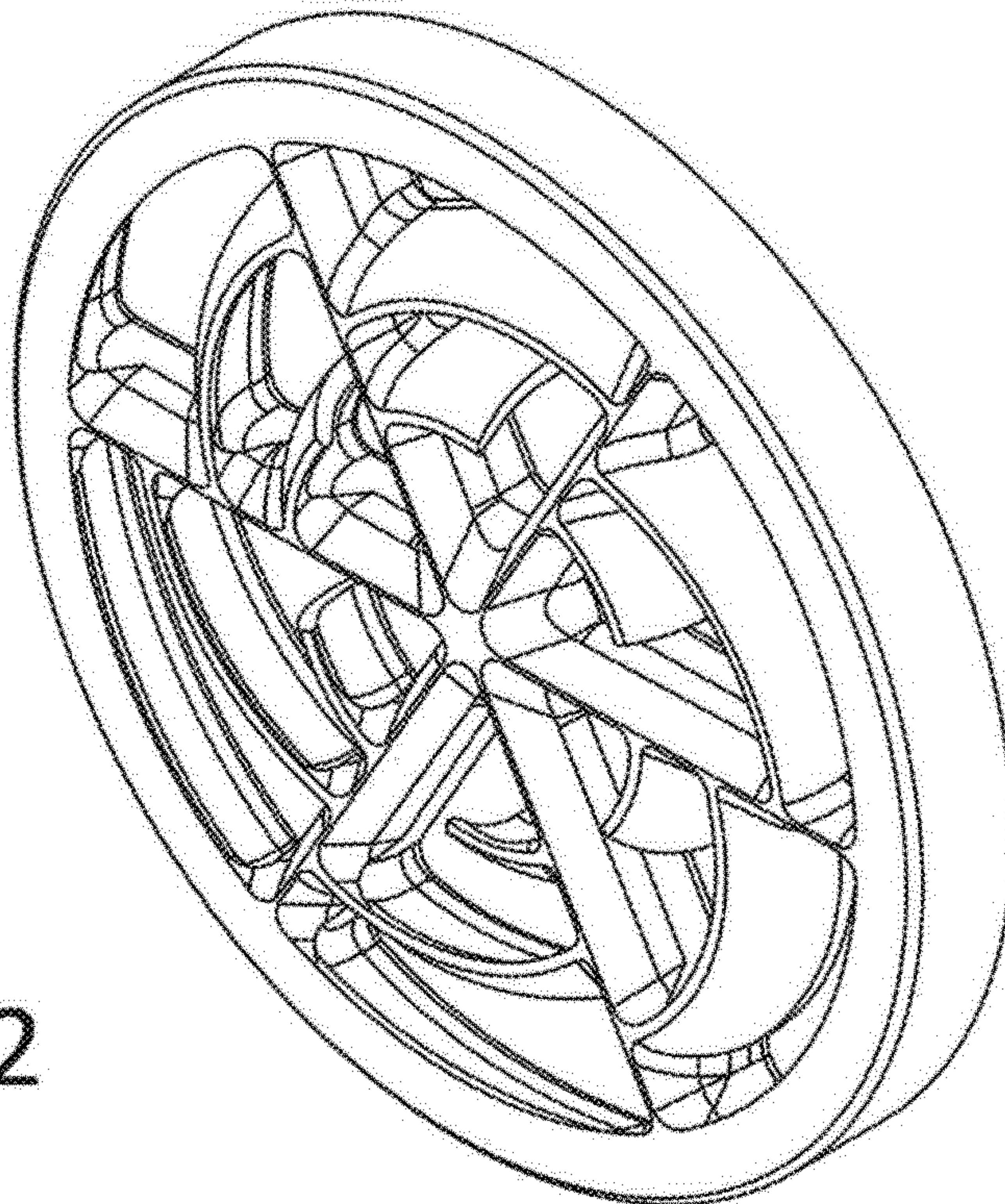


FIG. 2

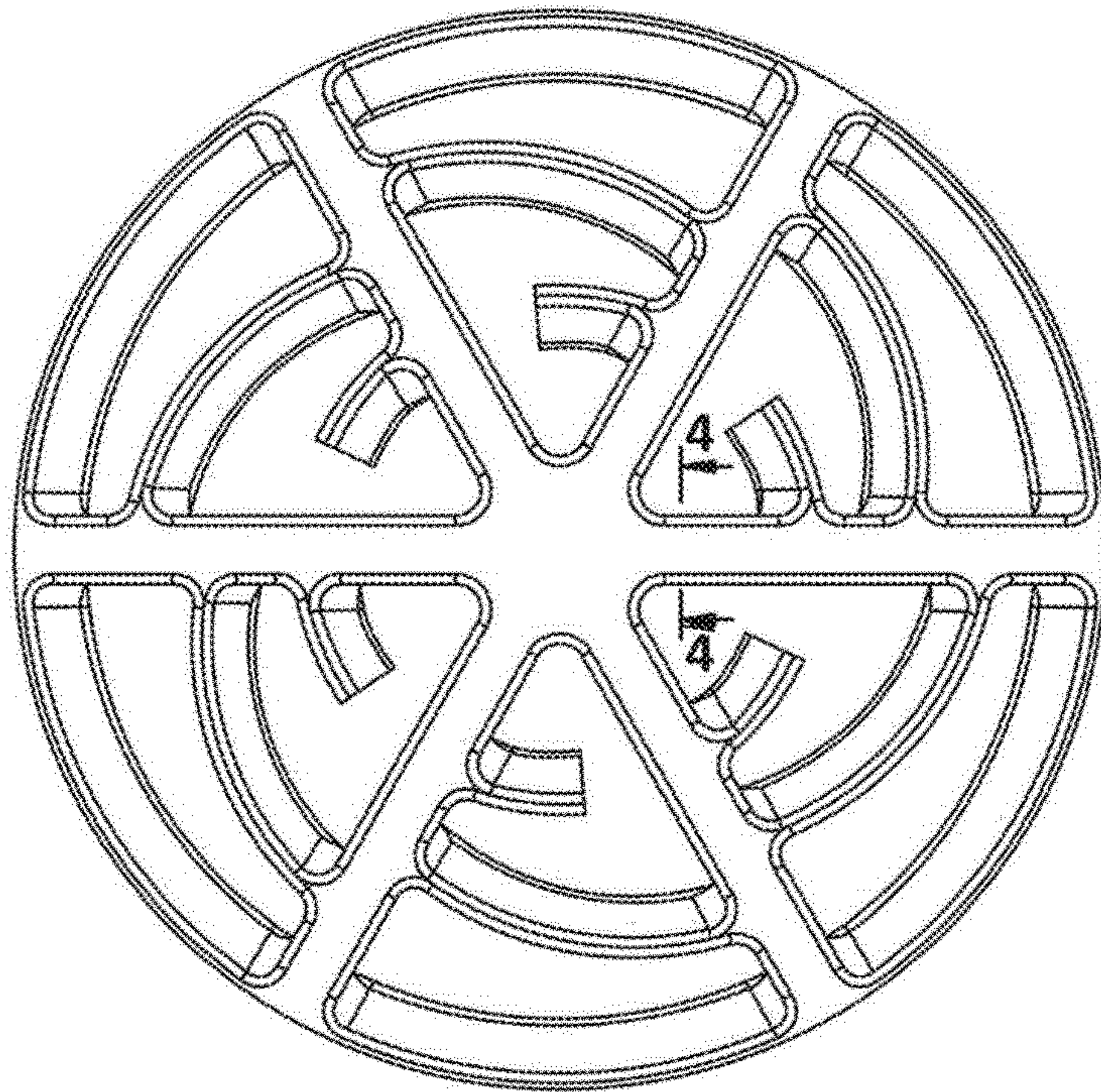


FIG. 3

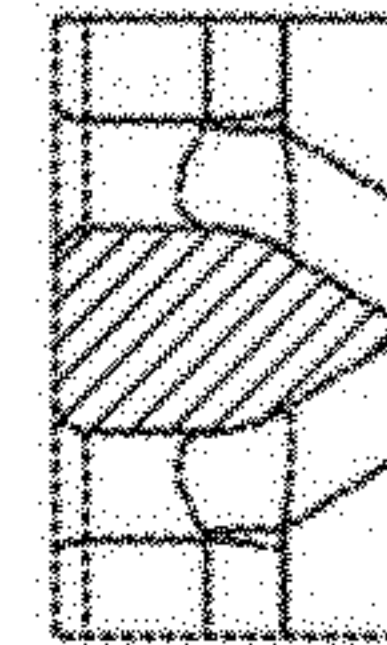


FIG. 4

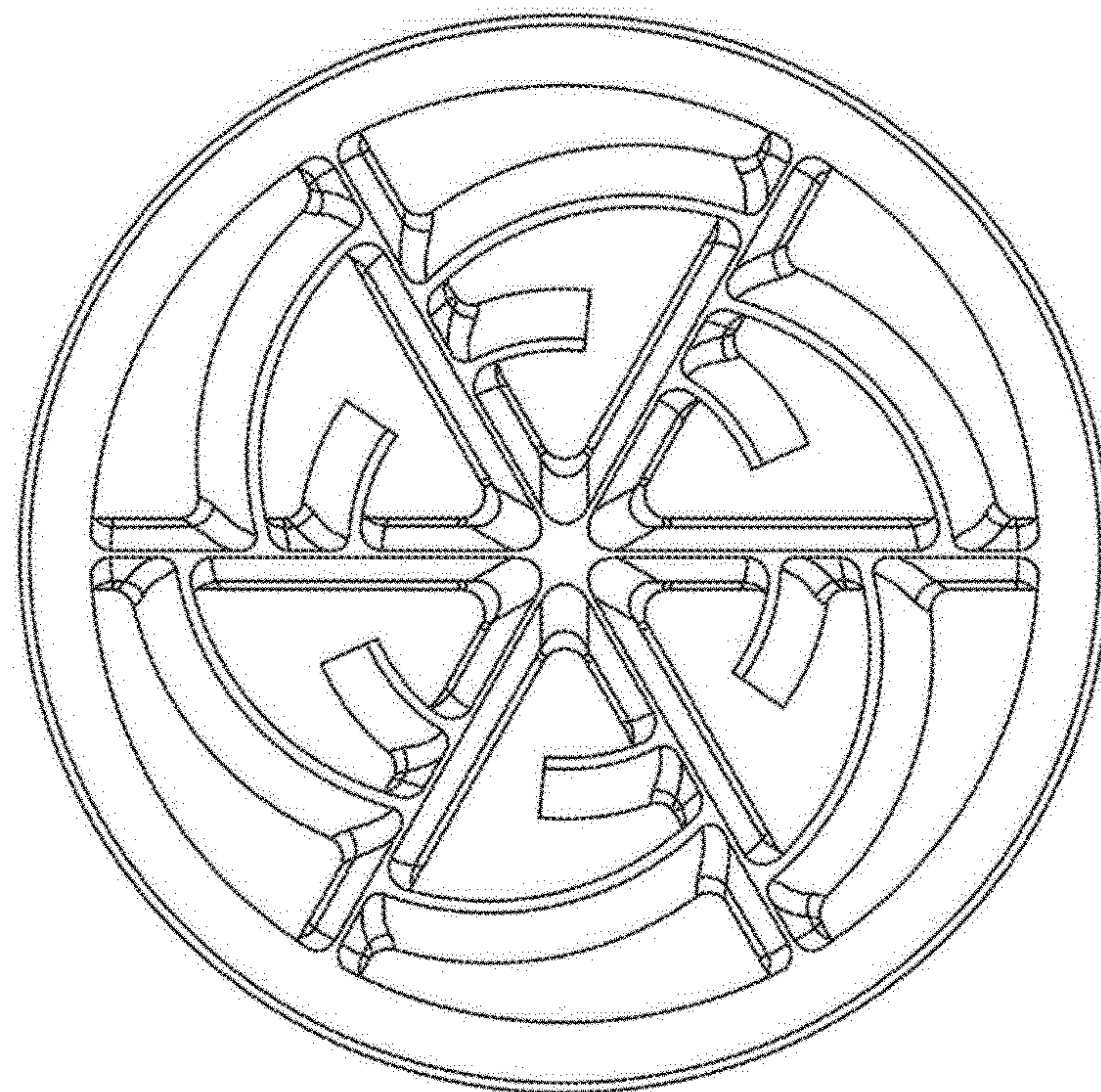


FIG. 5

FIG. 6

