



US00D972698S

(12) **United States Design Patent** (10) **Patent No.:** **US D972,698 S**  
**Gregerson et al.** (45) **Date of Patent:** **\*\* Dec. 13, 2022**

- (54) **AIR FILTER**
- (71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY**, St. Paul, MN (US)
- (72) Inventors: **Glen O. Gregerson**, Hudson, WI (US); **Jonathan M. Lise**, Woodbury, MN (US)
- (73) Assignee: **3M Innovative Properties Company**, St. Paul, MN (US)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/700,358**
- (22) Filed: **Aug. 1, 2019**

**Related U.S. Application Data**

- (63) Continuation-in-part of application No. 29/568,522, filed on Jun. 20, 2016, now abandoned.
- (51) **LOC (13) Cl.** ..... **23-04**
- (52) **U.S. Cl.**  
USPC ..... **D23/365**
- (58) **Field of Classification Search**  
USPC ..... D23/209, 303, 329, 351, 354–370, 385, D23/386, 388–393; D19/1, 9; D6/663,  
(Continued)

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*Primary Examiner* — Mehri F Bajoul

(57) **CLAIM**

The ornamental design for an air filter, as shown and described.

**DESCRIPTION**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a perspective view showing a new design for an air filter, with three dimensional strands extending over the surface of filtration media;

FIG. 2 is an enlarged view of a portion of the air filter of FIG. 1;

FIG. 3 is a front elevational view thereof;

FIG. 4 is an enlarged view of a portion of the air filter of FIG. 2;

FIG. 5 is a rear elevational view thereof;

FIG. 6 is a left elevational side view thereof;

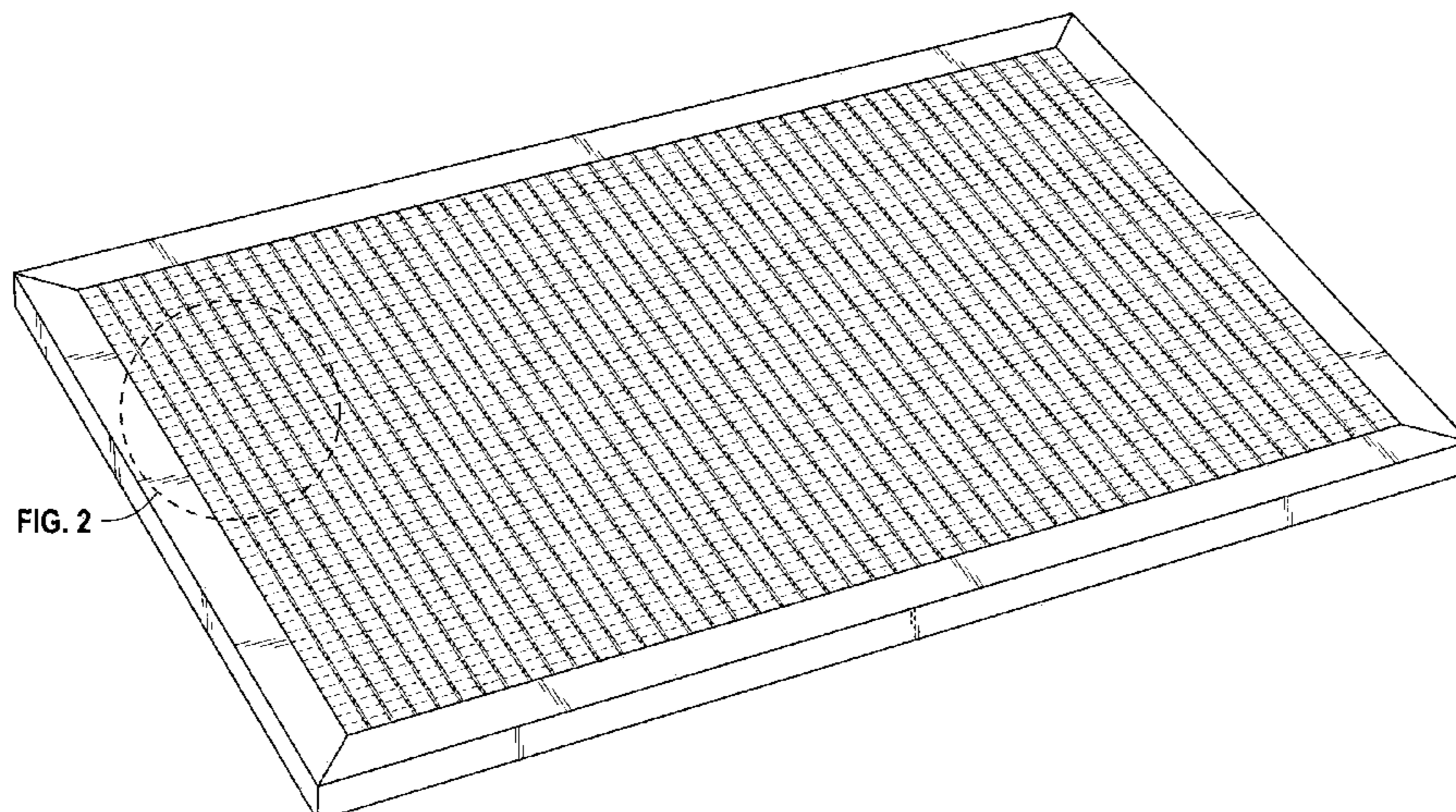
FIG. 7 is a rear elevational view thereof;

FIG. 8 is a bottom plan view thereof; and,

FIG. 9 is a top plan view thereof.

The fine dash-dash broken lines depict environmental subject matter that forms no part of the claimed design. The thicker dash-dash broken lines encircled around the magnified portions, in FIGS. 2 and 4, depict bounds of the magnified portions and form no part of the claims design. The long-short dash lines depict the boundaries of the claimed design and form no part thereof.

**1 Claim, 6 Drawing Sheets**  
**(4 of 6 Drawing Sheet(s) Filed in Color)**



(58) **Field of Classification Search**

USPC ..... D6/667, 675; D32/30; D25/58; D5/60;  
55/473, 483, 491, 498, 499  
CPC ..... B01D 46/0006; B01D 46/0001; B01D  
46/0005; B01D 46/0036; G09F  
2003/0264; F24F 3/1603  
See application file for complete search history.

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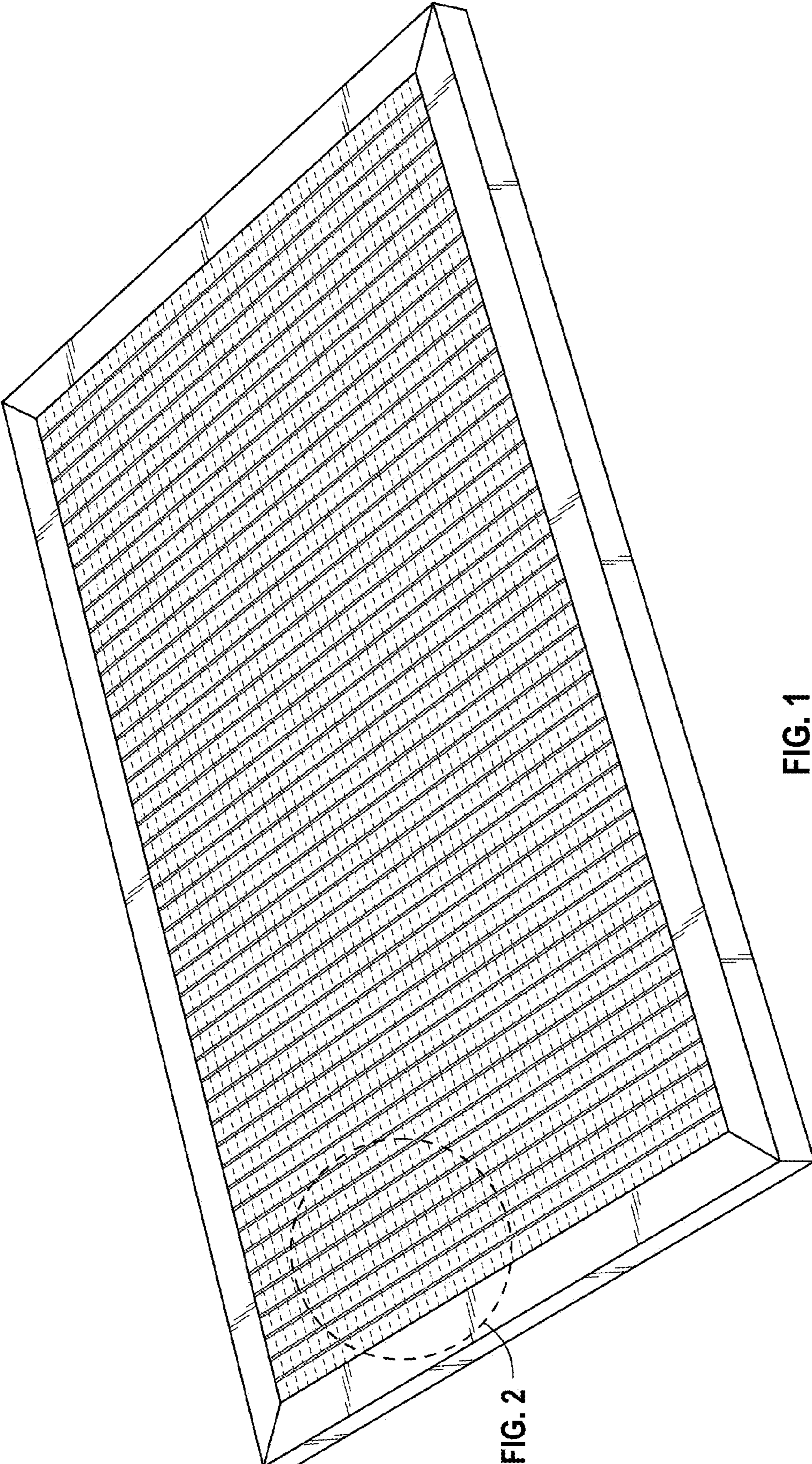


FIG. 1

FIG. 2

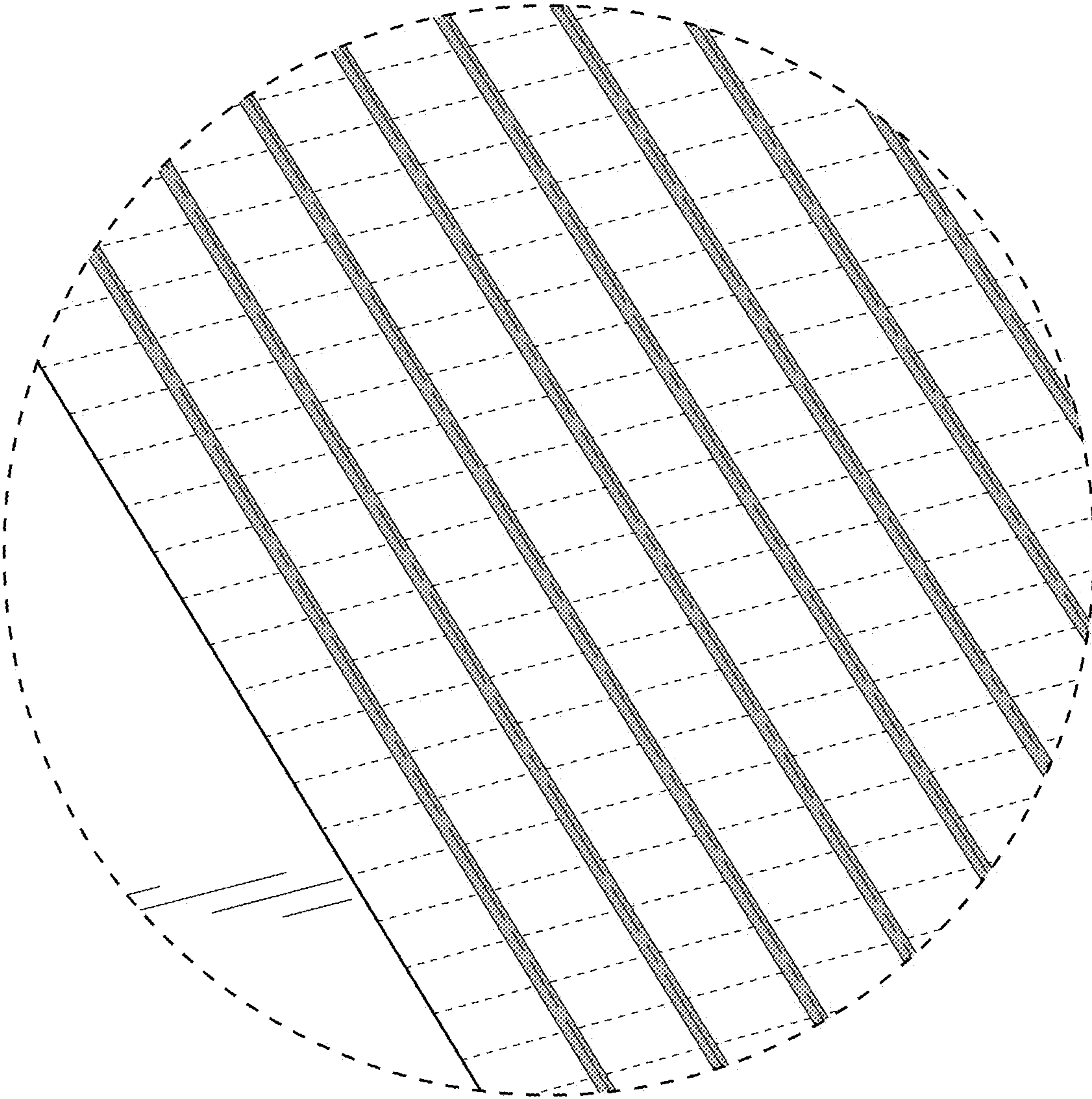


FIG. 2

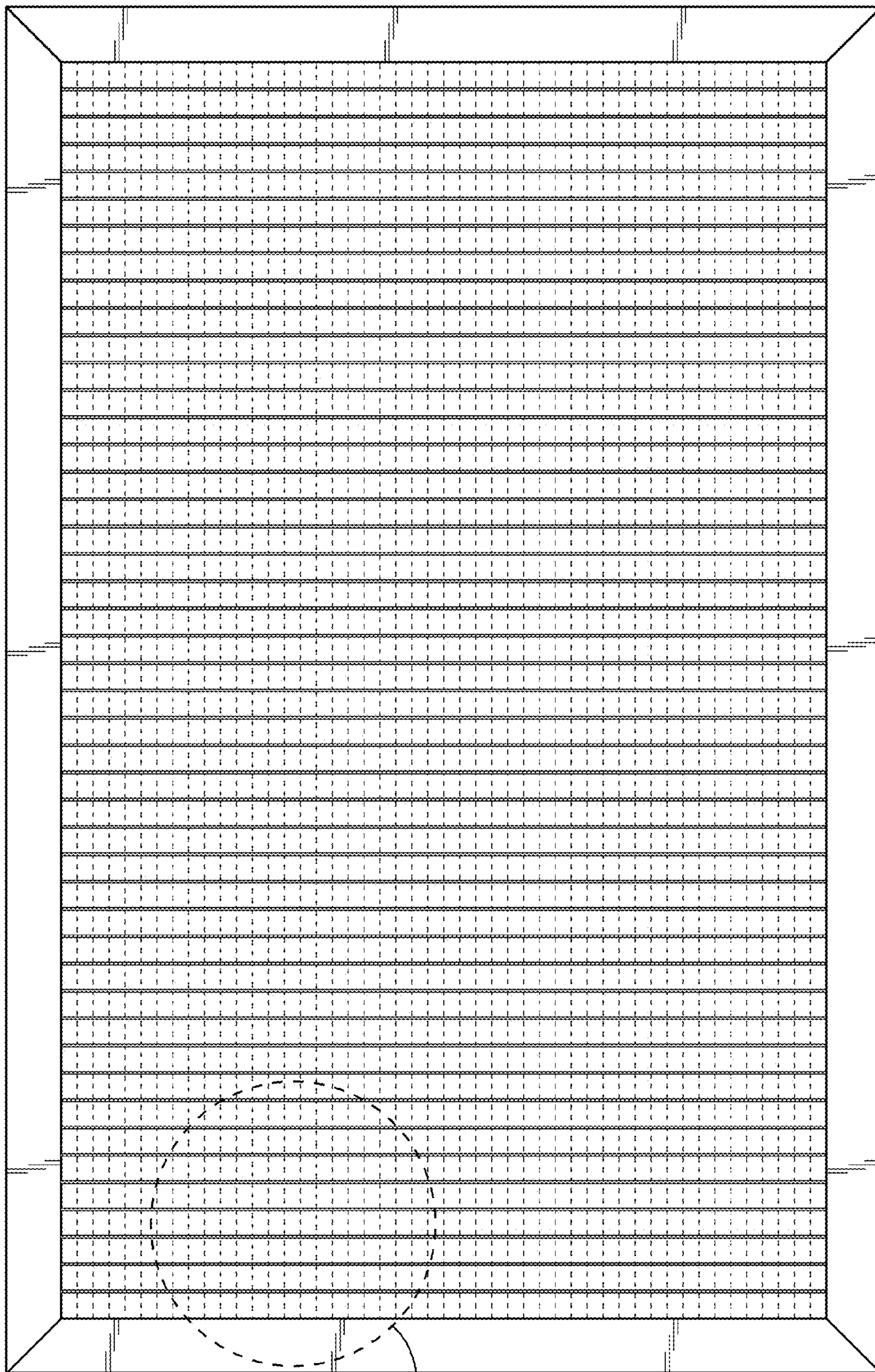


FIG. 3

FIG. 4

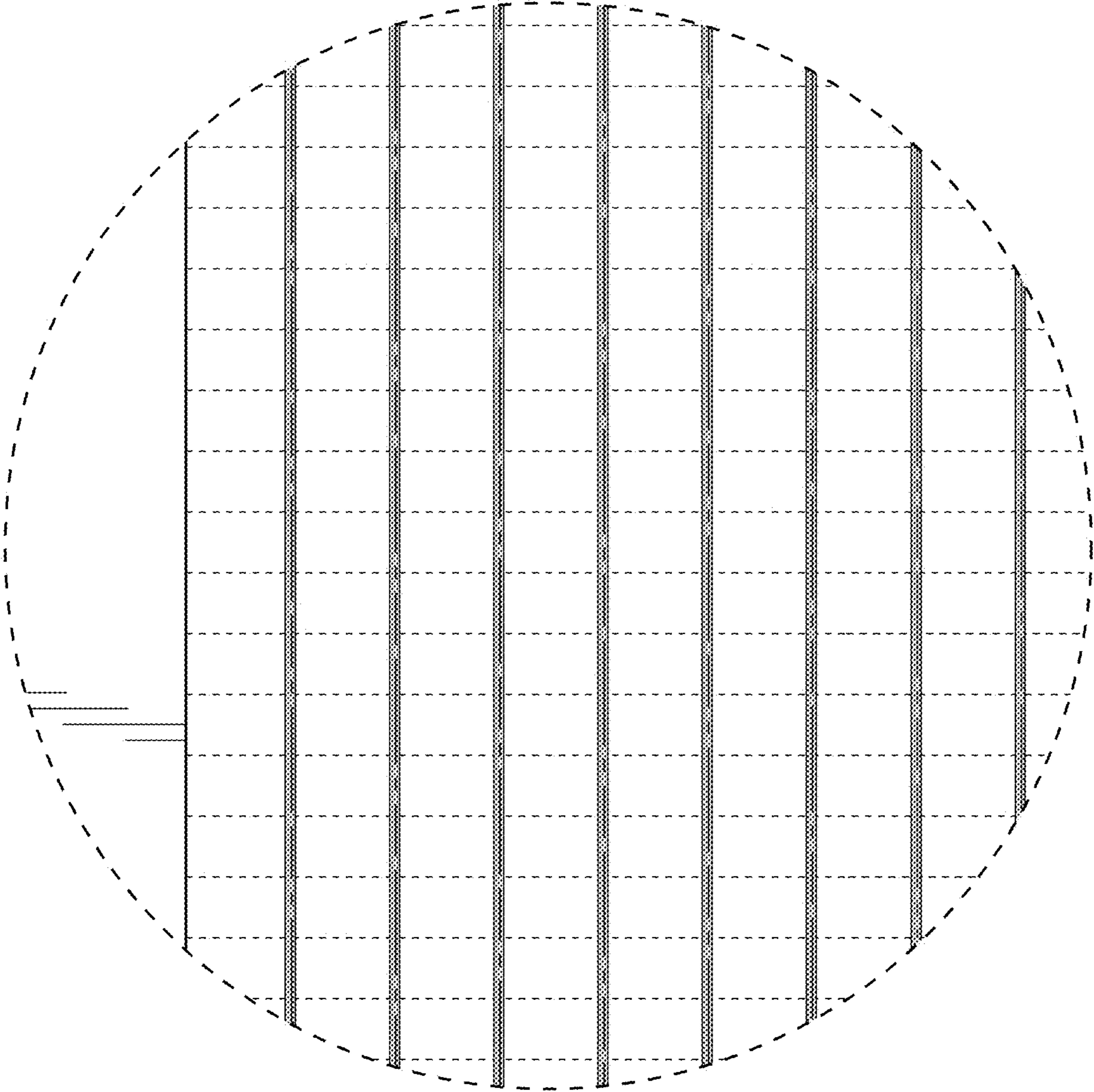


FIG. 4

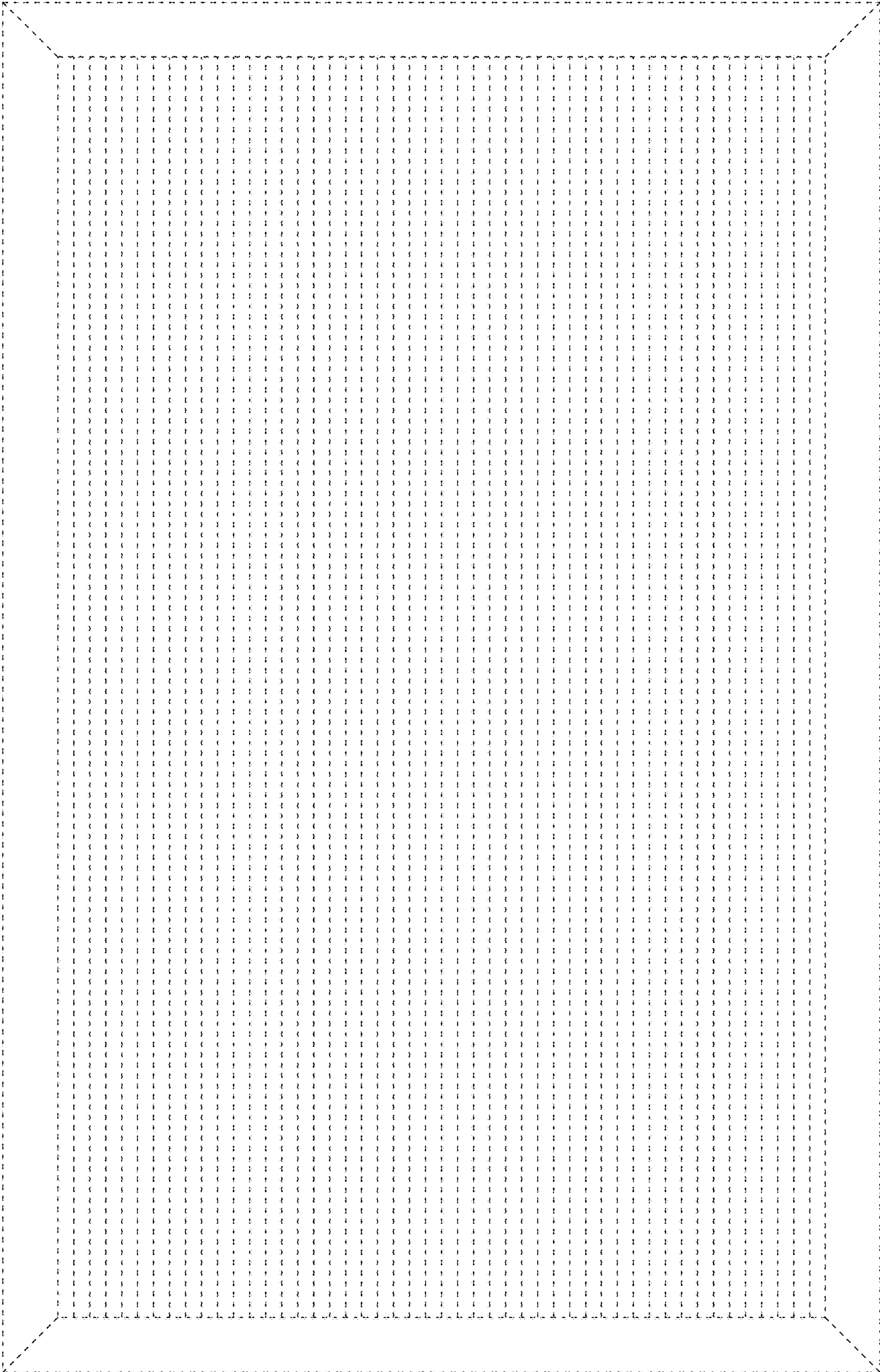


FIG. 5

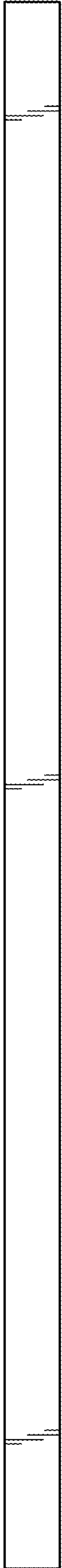


FIG. 6

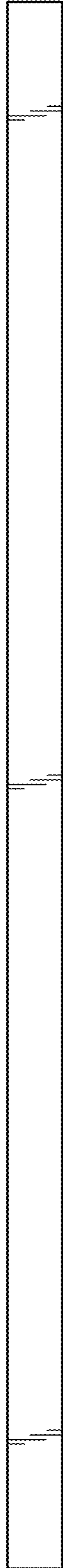


FIG. 7

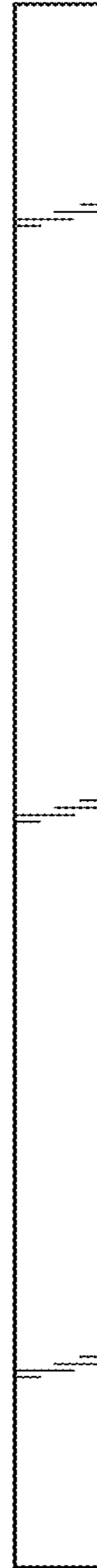


FIG. 8



FIG. 9