



US00D928079S

(12) **United States Design Patent** (10) **Patent No.:** **US D928,079 S**  
**Lance et al.** (45) **Date of Patent:** **\*\* Aug. 17, 2021**

(54) **TEXTURED SOLAR PANEL**

(71) Applicant: **SUNPOWER CORPORATION**, San Jose, CA (US)  
(72) Inventors: **Tamir Lance**, Los Gatos, CA (US); **David Okawa**, Belmont, CA (US); **Ryan Reagan**, Fremont, CA (US); **Brian Wares**, Sacramento, CA (US); **Laurence Mackler**, Corte Madera, CA (US); **Hikaru Iwasaka**, New York, NY (US); **Alexander Keller**, Boston, MA (US)

(73) Assignee: **SUNPOWER CORPORATION**, San Jose, CA (US)

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

(21) Appl. No.: **29/744,231**

(22) Filed: **Jul. 28, 2020**

**Related U.S. Application Data**

(62) Division of application No. 29/724,030, filed on Feb. 12, 2020, now Pat. No. Des. 904,289, which is a (Continued)

(51) **LOC (13) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/102**

(58) **Field of Classification Search**  
USPC ..... D13/101, 102, 103, 118, 119, 184, 199;  
D14/441, 447, 451  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,283,106 A 8/1981 Bunnell  
D627,279 S 11/2010 Fisker et al.  
(Continued)

**OTHER PUBLICATIONS**

Chandler, David. "Textured Surface May Boost Power Output of Thin Silicon Solar Cells." Jun. 13, 2012. MIT News. <https://news.mit.edu/2012/light-trapping-0613> (Year: 2012).\*

(Continued)

*Primary Examiner* — Brett Miller  
*Assistant Examiner* — Suzanne E Tisdell  
(74) *Attorney, Agent, or Firm* — Oblon, McClelland, Maier & Neustadt, L.L.P.

(57) **CLAIM**

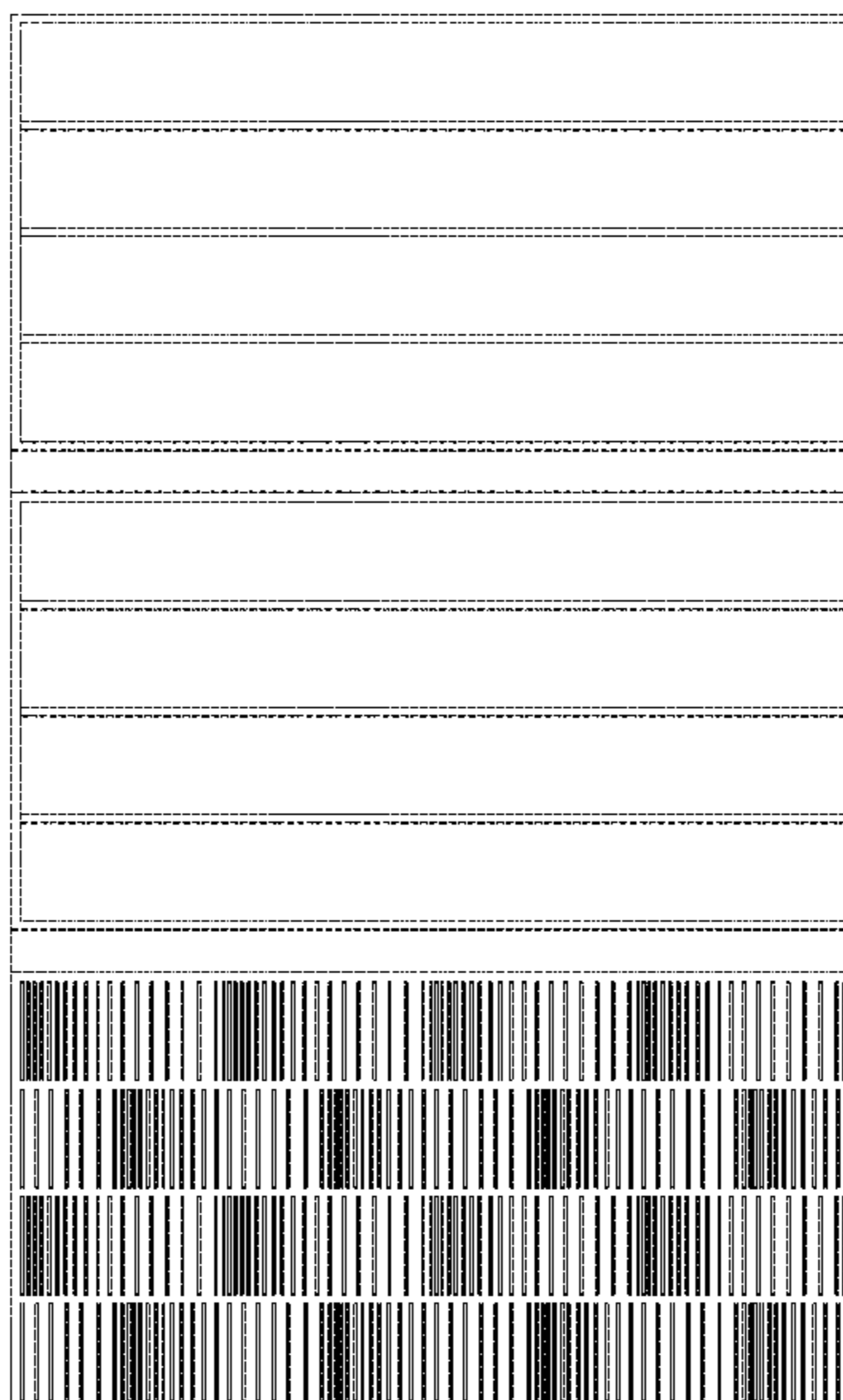
The ornamental design for a textured solar panel, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevational view of a eleventh embodiment of a textured solar panel;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a right side elevational view thereof;  
FIG. 4 is a left side elevational view thereof;  
FIG. 5 is a bottom plan view thereof;  
FIG. 6 is a top plan view thereof;  
FIG. 7 is a front, bottom, and left side perspective view thereof;  
FIG. 8 is an enlarged view of the section indicated by callout circle 8 in FIG. 7; and,  
FIG. 9 is a further enlarged view of the section indicated by callout circle 9 in FIG. 8.

The evenly spaced broken lines shown in the figures are for the purpose of illustrating portions of the textured solar panel that form no part of the claimed design. The dot-dash lines in the figures form a circle and lead line ending in a number that corresponds to the area shown in the figure having that number. The dot-dash lines form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



**Related U.S. Application Data**

division of application No. 29/649,785, filed on Jun. 1, 2018, now Pat. No. Des. 879,031.

(58) **Field of Classification Search**

CPC ..... H02S 20/20; H02S 20/24; H02S 20/30;  
H02S 30/10; H02S 40/22; H02S 40/36;  
Y02B 10/10; Y02B 10/12; Y02B 10/20

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

9,045,174 B2 6/2015 Dixon  
9,082,913 B2\* 7/2015 Karpovich ..... H01L 31/048  
D761,198 S \* 7/2016 Hou ..... D13/102  
D767,484 S \* 9/2016 Morad ..... D13/102  
9,550,533 B2 1/2017 Wylezinski  
D781,230 S \* 3/2017 Gibson ..... D13/102  
D788,027 S \* 5/2017 Gibson ..... D13/102  
D812,554 S \* 3/2018 Gibson ..... D13/102  
D813,153 S \* 3/2018 Gibson ..... D13/102  
D814,401 S \* 4/2018 Cheung ..... D13/102  
D814,402 S 4/2018 Cheung et al.  
D817,867 S 5/2018 Kojima et al.  
D841,571 S \* 2/2019 Zhou ..... D13/102  
D856,919 S \* 8/2019 Zhou ..... D13/102  
D877,059 S \* 3/2020 Osborn ..... D13/102  
D879,031 S \* 3/2020 Lance ..... D13/102  
D886,043 S \* 6/2020 Zhou ..... D13/102  
D887,967 S \* 6/2020 Chang ..... D13/102  
D888,656 S \* 6/2020 Aiken ..... D13/102

D894,115 S \* 8/2020 Xia ..... D13/102  
D896,167 S \* 9/2020 Zhou ..... D13/102  
D896,747 S \* 9/2020 Morad ..... D13/102  
D899,351 S \* 10/2020 Lin ..... D13/102  
D904,289 S \* 12/2020 Lance ..... D13/102  
D904,290 S \* 12/2020 Della Pina ..... D13/102  
D904,975 S \* 12/2020 Nakayashiki ..... D13/102  
D911,263 S \* 2/2021 Badilla ..... D13/102  
D913,210 S \* 3/2021 Morad ..... D13/102  
10,937,915 B2\* 3/2021 Pilliod ..... H02S 20/00  
2011/0265849 A1 11/2011 Hong et al.  
2012/0037215 A1 2/2012 Ball et al.  
2012/0227792 A1 9/2012 Chen et al.  
2013/0333305 A1 12/2013 Stearns et al.  
2014/0301003 A1 10/2014 Jankowski  
2016/0072431 A1 3/2016 Solon  
2016/0301354 A1 10/2016 Draffin, II et al.  
2018/0062572 A1 3/2018 Kunesh  
2018/0091089 A1 3/2018 Lange et al.  
2018/0239841 A1 8/2018 Wachman et al.  
2018/0241343 A1 8/2018 Jiang et al.  
2019/0144138 A1 5/2019 Spark

OTHER PUBLICATIONS

Richardson, Luke. "New Solar Panels: What's Coming to Market in 2019?" Jan. 1, 2019. Energy Sage. <https://news.energysage.com/new-solar-panels-whats-coming-market-2018/> (Year: 2019).\*  
"New Textured Surface for Solbian." Jul. 8, 2015. Solar 4 RVs. <https://www.solar4rvs.com.au/blog/news-2015/new-textured-surface-for-solbian/> (Year: 2015).\*

\* cited by examiner

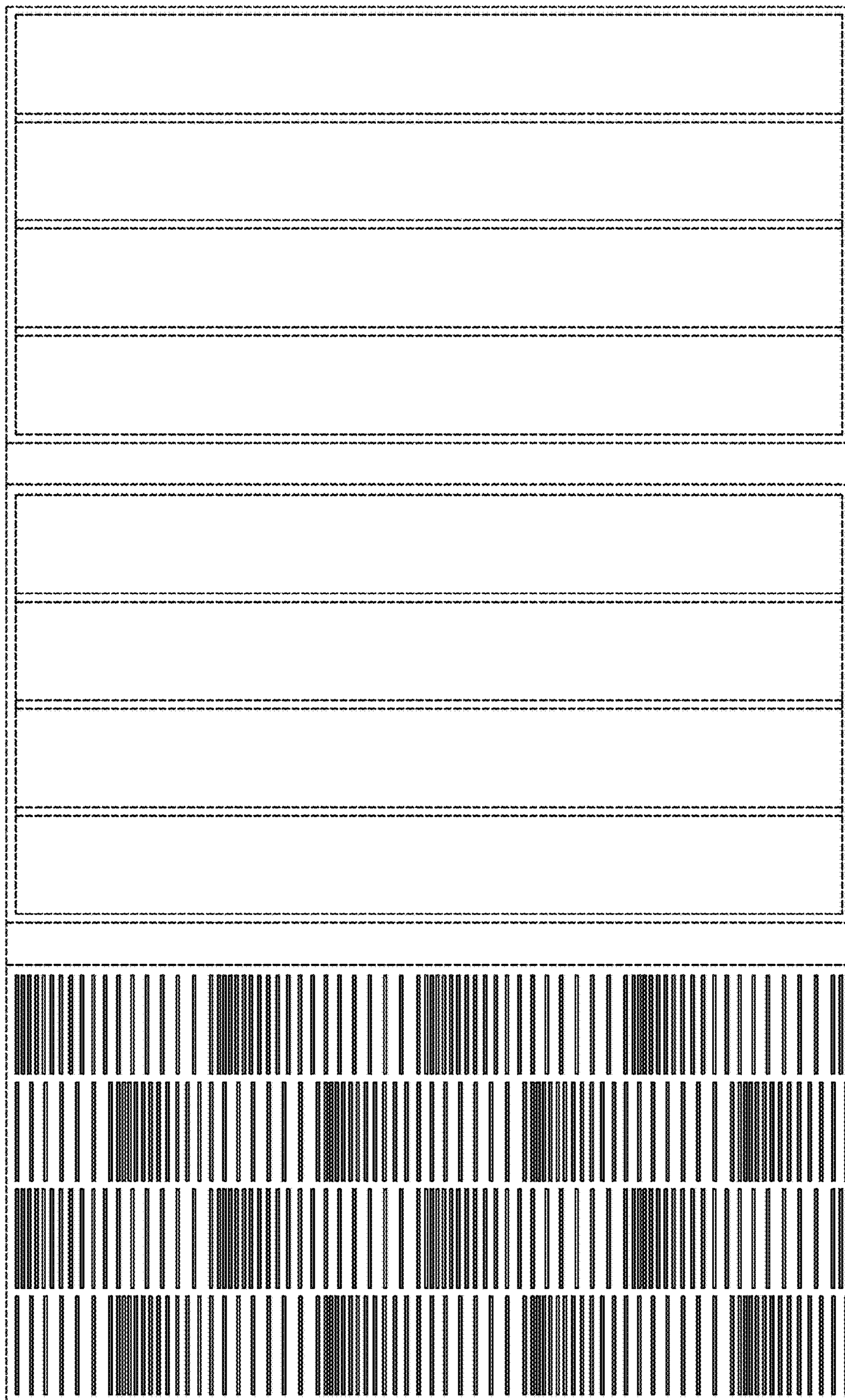


FIG. 1

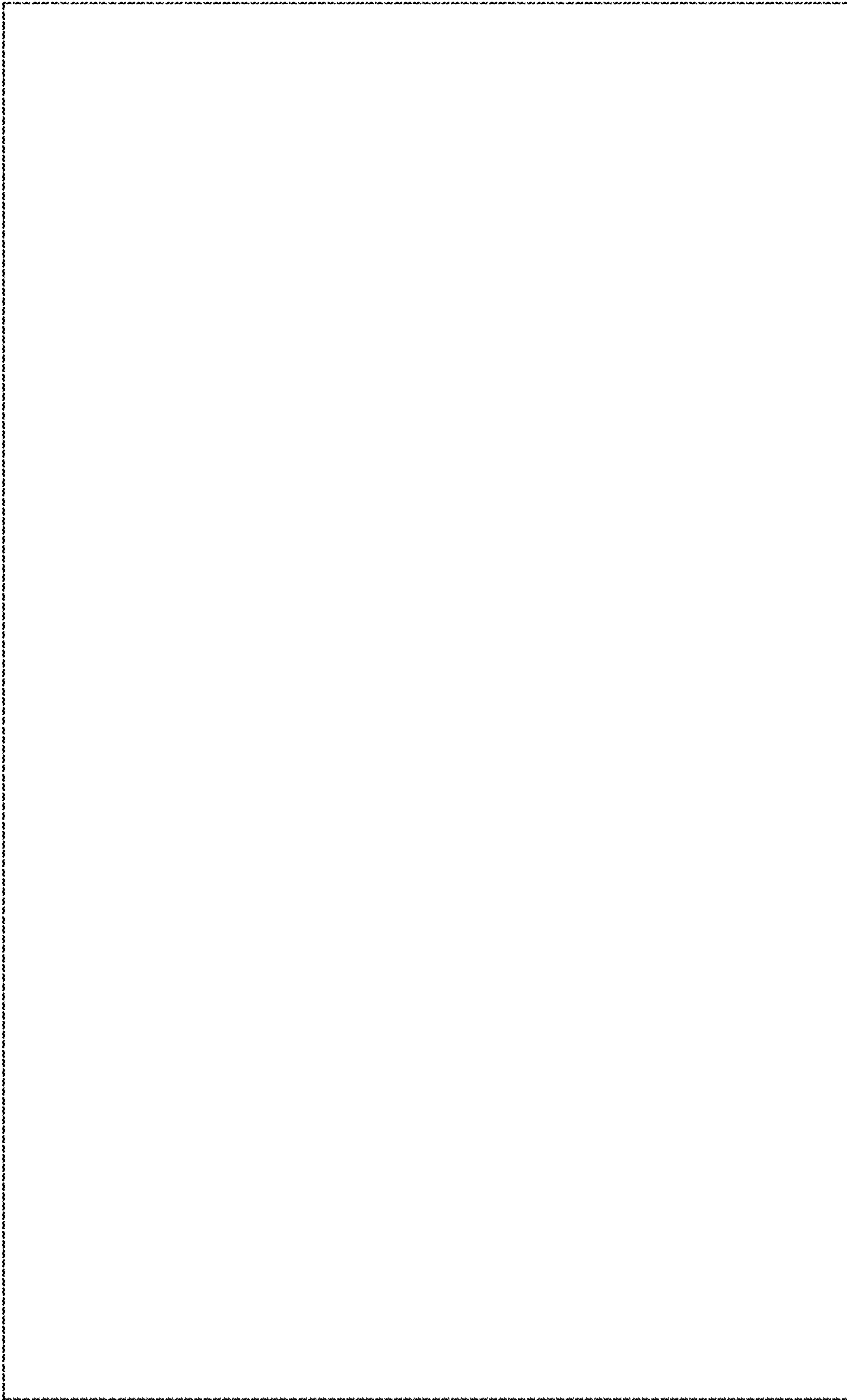


FIG. 2

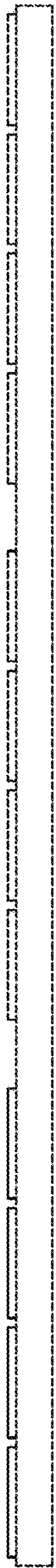


FIG. 3

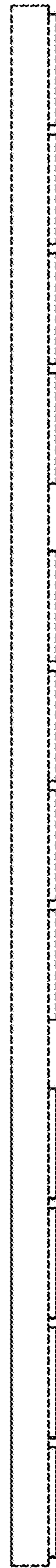


FIG. 4



FIG. 5

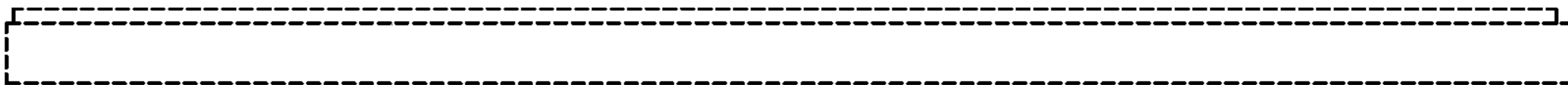


FIG. 6

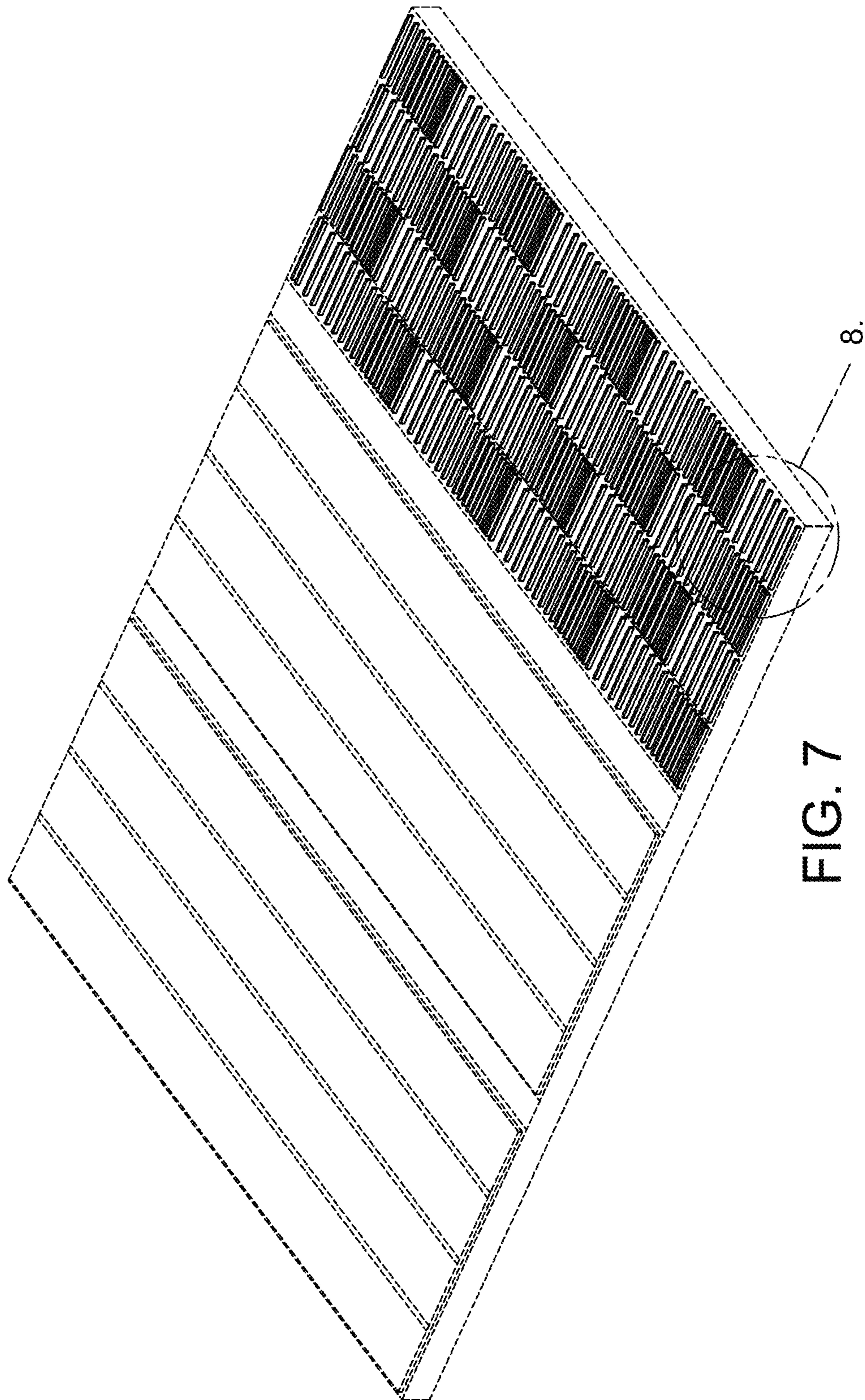


FIG. 7

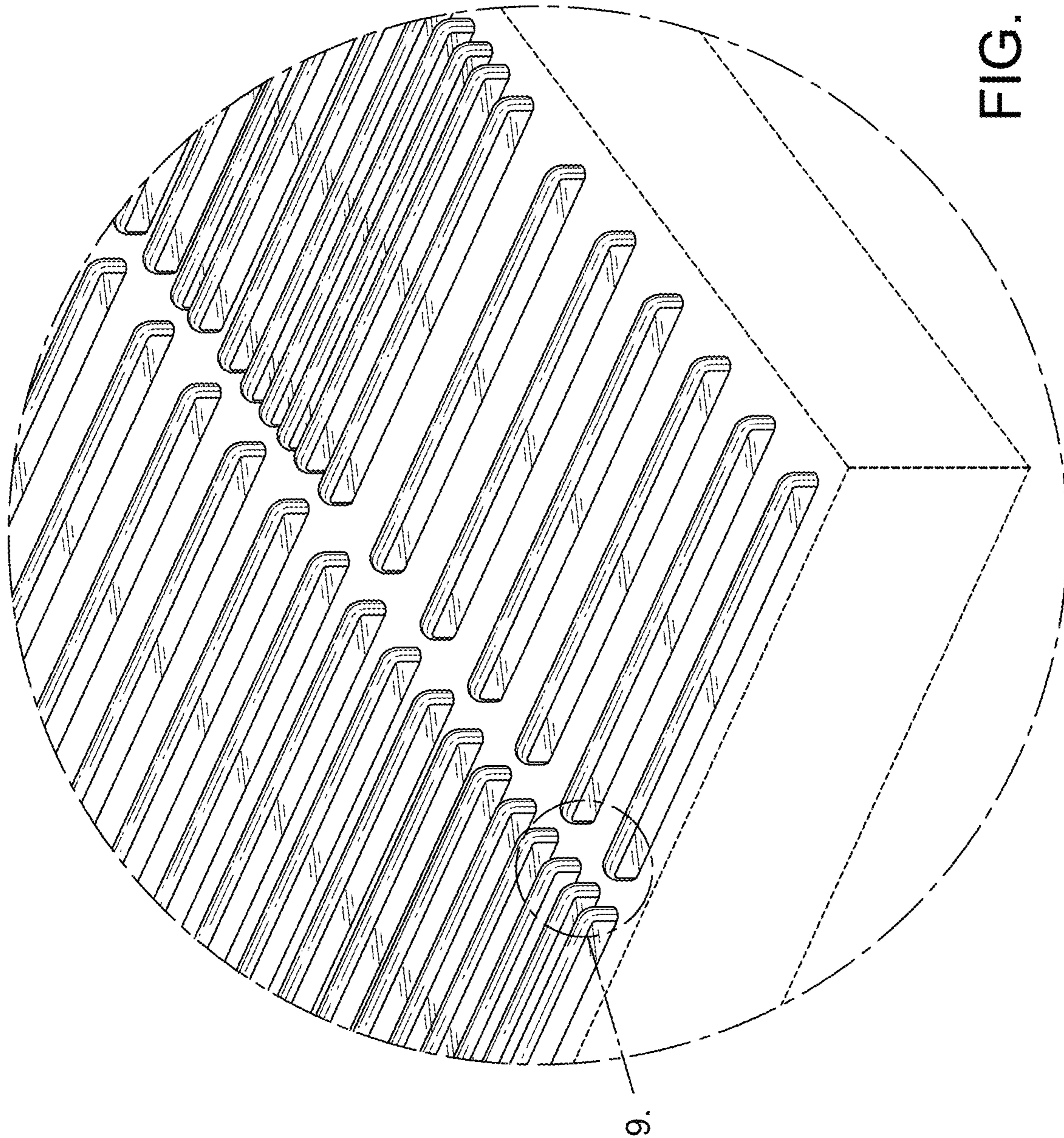


FIG. 8



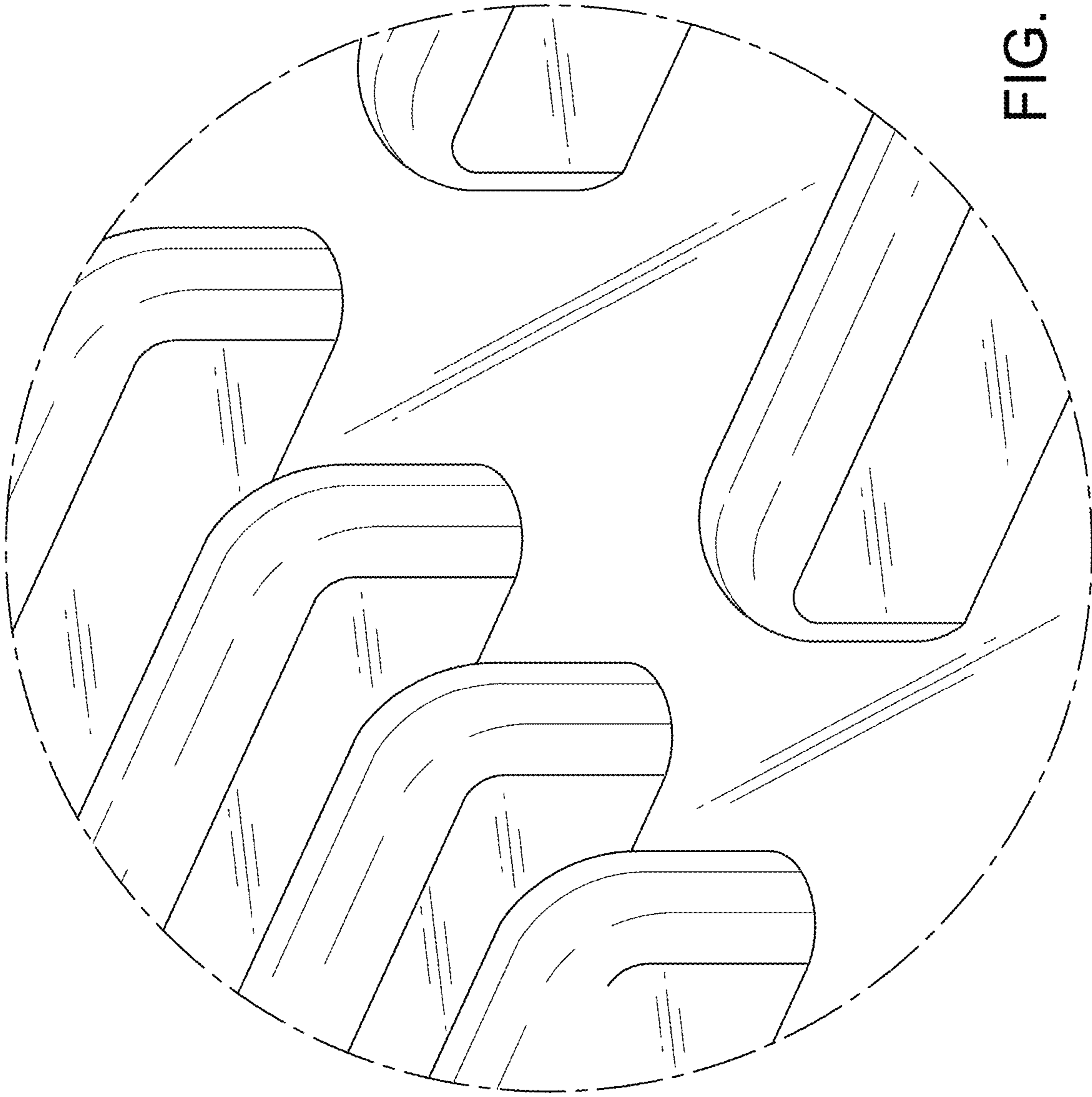


FIG. 9