



US00D936892S

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

(10) **Patent No.:** **US D936,892 S**

(45) **Date of Patent:** **\*\* Nov. 23, 2021**

(54) **LENS COVER FOR LIGHT FIXTURE FOR INDOOR GROW APPLICATION**

(71) Applicant: **HGCI, Inc.**, Las Vegas, NV (US)

(72) Inventors: **Yongfeng Huo**, Chengdu (CN); **Dengke Cai**, Camas, WA (US)

(73) Assignee: **HGCI, Inc.**, Las Vegas, NV (US)

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

(21) Appl. No.: **29/760,168**

(22) Filed: **Nov. 30, 2020**

**Related U.S. Application Data**

(63) Continuation of application No. 17/098,321, filed on Nov. 13, 2020.

(51) **LOC (13) Cl.** ..... **26-05**

(52) **U.S. Cl.**  
USPC ..... **D26/120**

(58) **Field of Classification Search**  
USPC ..... D26/1, 2, 3, 24, 72, 113, 118, 119, 120  
CPC ..... F21L 2/00; F21S 2/00; F21S 8/00; F21S 8/006; F21S 8/026; F21V 15/00; F21V  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D427,343 S 6/2000 Reinbach  
6,721,101 B2 4/2004 Daniell  
D493,251 S 7/2004 Yu et al.  
(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 301286831 S 7/2010  
CN 301286832 S 7/2010  
(Continued)

**OTHER PUBLICATIONS**

Amazon, "Growstar 600w LED Grow Light", first available Jun. 24, 2016. (<https://www.amazon.ca/dp/B01HI1BTFI>) (Year: 2016).\*  
(Continued)

*Primary Examiner* — Lauren D McVey

*Assistant Examiner* — Justin A Johnson

(74) *Attorney, Agent, or Firm* — Ulmer & Berne LLP

(57) **CLAIM**

The ornamental design for a lens cover for light fixture for indoor grow application, as shown and described.

**DESCRIPTION**

FIG. 1 is a right perspective view depicting a lens cover for light fixture for indoor grow application;

FIG. 2 is a bottom perspective view depicting the lens cover of FIG. 1;

FIG. 3 is a cross sectional view taken along the line 3-3 in FIG. 1;

FIG. 4 is a cross sectional view taken along the line 4-4 in FIG. 1;

FIG. 5 is a bottom elevation view depicting the lens cover of FIG. 1;

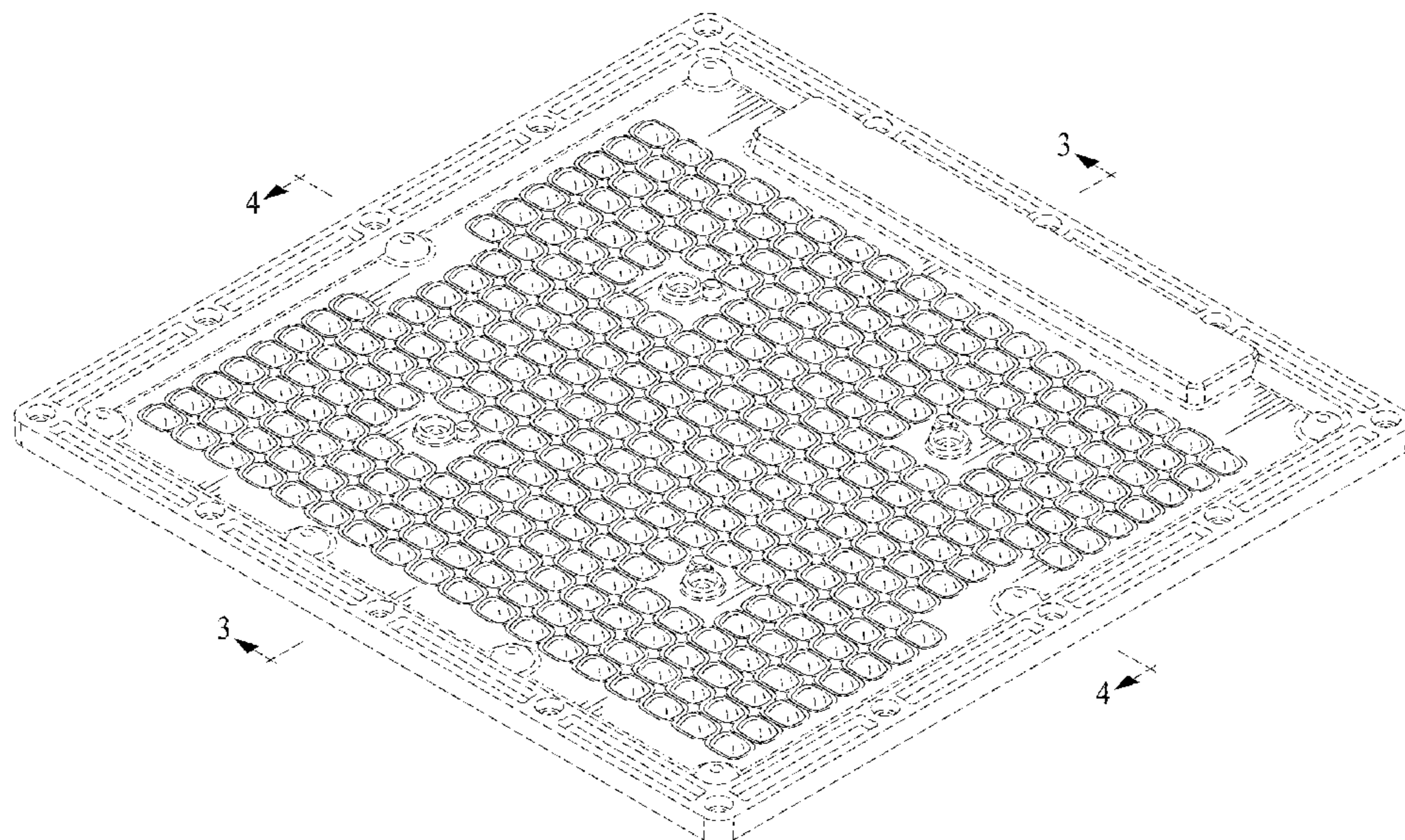
FIG. 6 is a top elevation view depicting the lens cover of FIG. 1;

FIG. 7 is a front side view depicting the lens cover of FIG. 1, the rear side view being a mirror image thereof; and,

FIG. 8 is a right side view depicting the lens cover of FIG. 1, the left side view being a mirror image thereof.

The evenly spaced broken lines immediately adjacent to the shaded areas depict the bounds of the claimed design, while all other evenly spaced broken lines are directed to environment. In addition, the dot-dash broken lines immediately adjacent to the shaded areas represent the bounds of the claimed design. None of the broken lines form part of the claimed design.

**1 Claim, 5 Drawing Sheets**





(58) **Field of Classification Search**  
 CPC . 15/01; H01K 7/00; H01K 7/02; A01G 7/045  
 See application file for complete search history.

2015/0029718 A1\* 1/2015 Cook ..... F21K 9/60  
 362/235  
 2016/0102839 A1\* 4/2016 Barkhurst ..... F21S 2/005  
 362/247  
 2020/0201033 A1 6/2020 Song et al.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D493,566 S 7/2004 Yu et al.  
 D494,704 S 8/2004 Yu et al.  
 D502,284 S 2/2005 Egawa et al.  
 D517,725 S 3/2006 Egawa et al.  
 D539,943 S 4/2007 Egawa et al.  
 D539,944 S 4/2007 Egawa et al.  
 D542,963 S \* 5/2007 Zucker ..... D26/121  
 D563,595 S 3/2008 Egawa et al.  
 7,364,342 B2 4/2008 Parker et al.  
 D569,543 S 5/2008 Toda  
 D574,994 S 8/2008 Boyer  
 D606,242 S 12/2009 Takahashi et al.  
 D606,703 S 12/2009 Sugishita et al.  
 D607,143 S 12/2009 Sugishita et al.  
 D613,445 S \* 4/2010 Beghelli ..... D26/74  
 D622,896 S 8/2010 Bear  
 D646,015 S 9/2011 Chiang et al.  
 D647,245 S 10/2011 Kim et al.  
 D677,821 S 3/2013 Jeon  
 D688,412 S 8/2013 Heim et al.  
 D729,969 S 5/2015 Boyer et al.  
 9,689,552 B2 6/2017 Wilcox et al.  
 D792,011 S 7/2017 Bobel  
 D822,887 S \* 7/2018 Laakkio ..... D26/122  
 D823,530 S 7/2018 Chen et al.  
 D823,532 S 7/2018 Chen et al.  
 D829,969 S 10/2018 Vasylyev  
 10,156,381 B1 \* 12/2018 Settler ..... F21V 33/0088  
 D838,893 S \* 1/2019 Li ..... F21S 2/005  
 D26/74  
 D853,018 S 7/2019 Chen et al.  
 D853,019 S 7/2019 Chen et al.  
 D855,856 S 8/2019 Du et al.  
 D857,979 S 8/2019 Schweid  
 10,378,724 B2 \* 8/2019 Dedick ..... F21V 13/12  
 D860,503 S 9/2019 Gregory  
 D863,659 S 10/2019 Chen et al.  
 D877,389 S 3/2020 Xie et al.  
 D877,968 S 3/2020 Santoro et al.  
 D882,157 S 4/2020 Laakkio  
 D882,158 S 4/2020 Laakkio  
 D882,159 S 4/2020 Laakkio  
 D887,626 S 6/2020 Zou  
 10,686,159 B2 6/2020 Ma et al.  
 D892,388 S \* 8/2020 Silver ..... F21V 33/0088  
 D26/89  
 D893,090 S \* 8/2020 McClow ..... F21V 13/12  
 D26/120  
 D907,833 S \* 1/2021 Xie ..... D26/74  
 10,910,356 B2 2/2021 Zhang et al.  
 D927,770 S \* 8/2021 Hu ..... D26/118  
 2011/0057215 A1 3/2011 Chen et al.  
 2012/0014099 A1 \* 1/2012 An ..... F21S 2/00  
 362/249.02

FOREIGN PATENT DOCUMENTS

CN 301353897 S 9/2010  
 CN 304859626 S 10/2018  
 CN 305539345 S 1/2020  
 CN 305737158 S 4/2020  
 EM 008507065-0001 \* 5/2021  
 FR 3002793 A1 9/2014  
 JP 1483265 S 10/2013  
 JP 1483805 S 10/2013  
 JP 1526584 S 5/2015  
 RU 115151 S 6/2019  
 TW D173254 S 1/2016  
 TW D197060 S 4/2019  
 WO 2013167758 A1 11/2013

OTHER PUBLICATIONS

Amazon, "LED Grow Light Dimmable, TS-1000 Full Spectrum Grow Light", first available Dec. 6, 2019. (<https://www.amazon.ca/Dimmable-TS-1000-Spectrum-Indoor-Seeding/dp/B095NPGRQL/>) (Year: 2019).\*

Amazon, "Otryad LED Grow Light for Indoor Plants", first available Oct. 27, 2020. (<https://www.amazon.ca/Otryad-Spectrum-Succulents-Seedling-Flowering/dp/B08LVFGS9B/>) (Year: 2020).\*

Amazon, "Spider Farmer LED Grow Light", first available Jan. 6, 2020. (<https://www.amazon.ca/dp/B07W3LDX3F/>) (Year: 2020).\*

Ledil, Siradella—Dense lens arrays for street and industrial lighting with LED packages up to 3535, <[http://www1.futureelectronics.com/Mailing/Itechs/LEDiL/Itech\\_LEDiL\\_STRADELLA/default\\_NA.html](http://www1.futureelectronics.com/Mailing/Itechs/LEDiL/Itech_LEDiL_STRADELLA/default_NA.html)>, accessed Mar. 4, 2021, 2 pages.

Shenzhen Kingbrite Optoelectronics Co., Ltd., smd 3030 led 64 in 1 square multi led lens array for street light, <[https://www.alibaba.com/product-detail/smd-3030-led-64-in-1\\_62108450937.html](https://www.alibaba.com/product-detail/smd-3030-led-64-in-1_62108450937.html)>, accessed Mar. 4, 2021, 14 pages.

Hike Technology Co., Ltd., Degree 185mm Diameter 80 In 1, <<http://www.led-lightlens.com/sale-11018392-outdoor-lighting-led-lens-array-60-150-degree-185mm-diameter-80-in-1.html>>, accessed Mar. 4, 2021, 4 pages.

Khatod Optoelectronic S.R.L., BK7 lens array, <<https://www.directindustry.com/prod/khatod-optoelectronic-srl/product-63676-1048637.html>>, accessed Mar. 4, 2021, 5 pages.

Spark, Rectangular LED Lens Array 64 In 1 LED Street Light Lens For Outdoor Lamp, <<https://www.ledopticslenses.com/sale-10141849-rectangular-led-lens-array-64-in-1-led-street-light-lens-for-outdoor-lamp.html>>, accessed Mar. 4, 2021, 4 pages.

Ledil, LED Lighting Lenses Square Multi-Lens Array 5x5 (10 pieces), <<https://www.amazon.com/Lighting-Lenses-Square-Multi-Lens-pieces/dp/B00LWLSU0I/>>, accessed Mar. 4, 2021, 5 pages.

\* cited by examiner



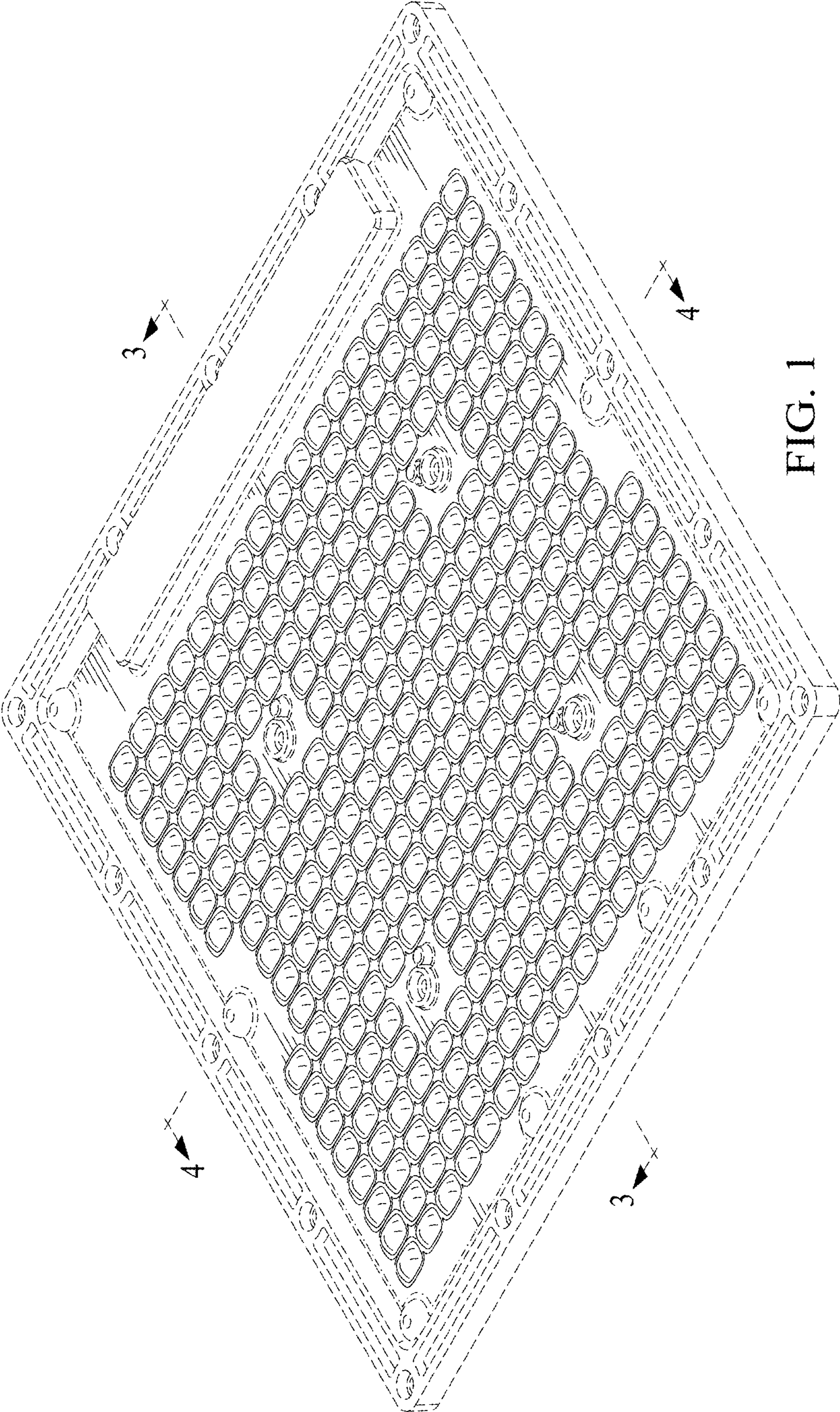


FIG. 1



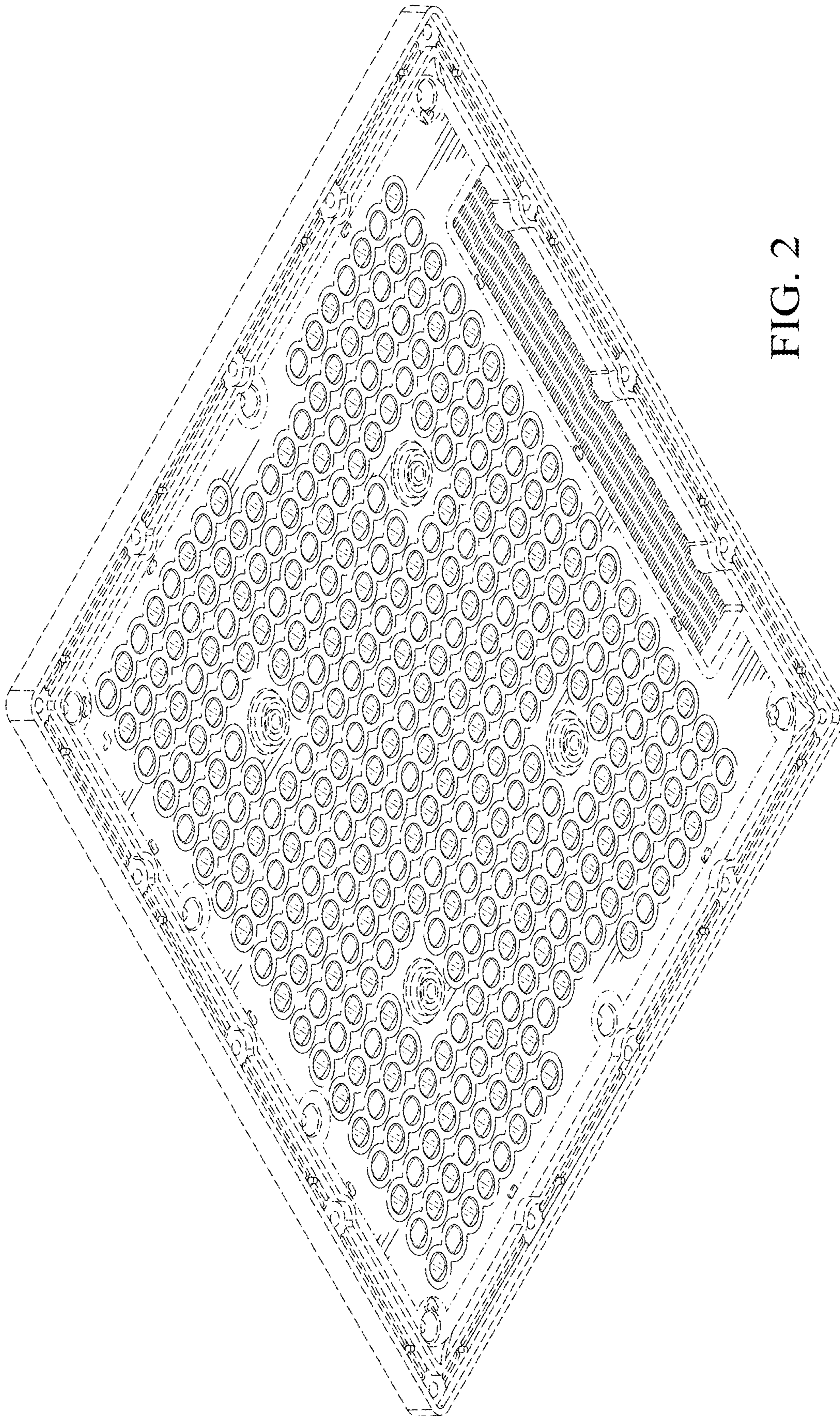


FIG. 2

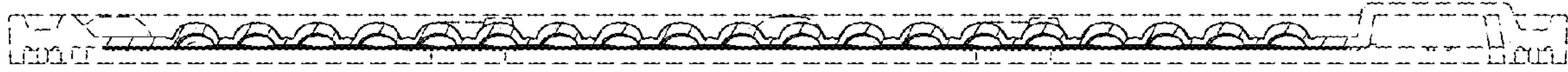


FIG. 3

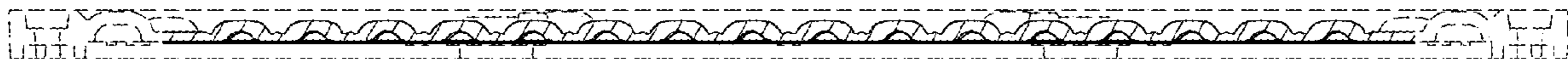


FIG. 4

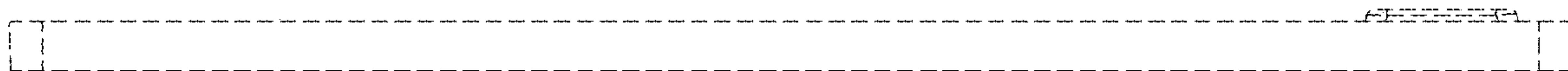


FIG. 7

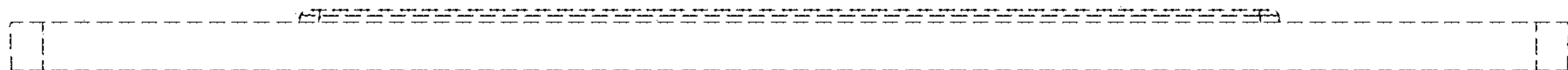


FIG. 8



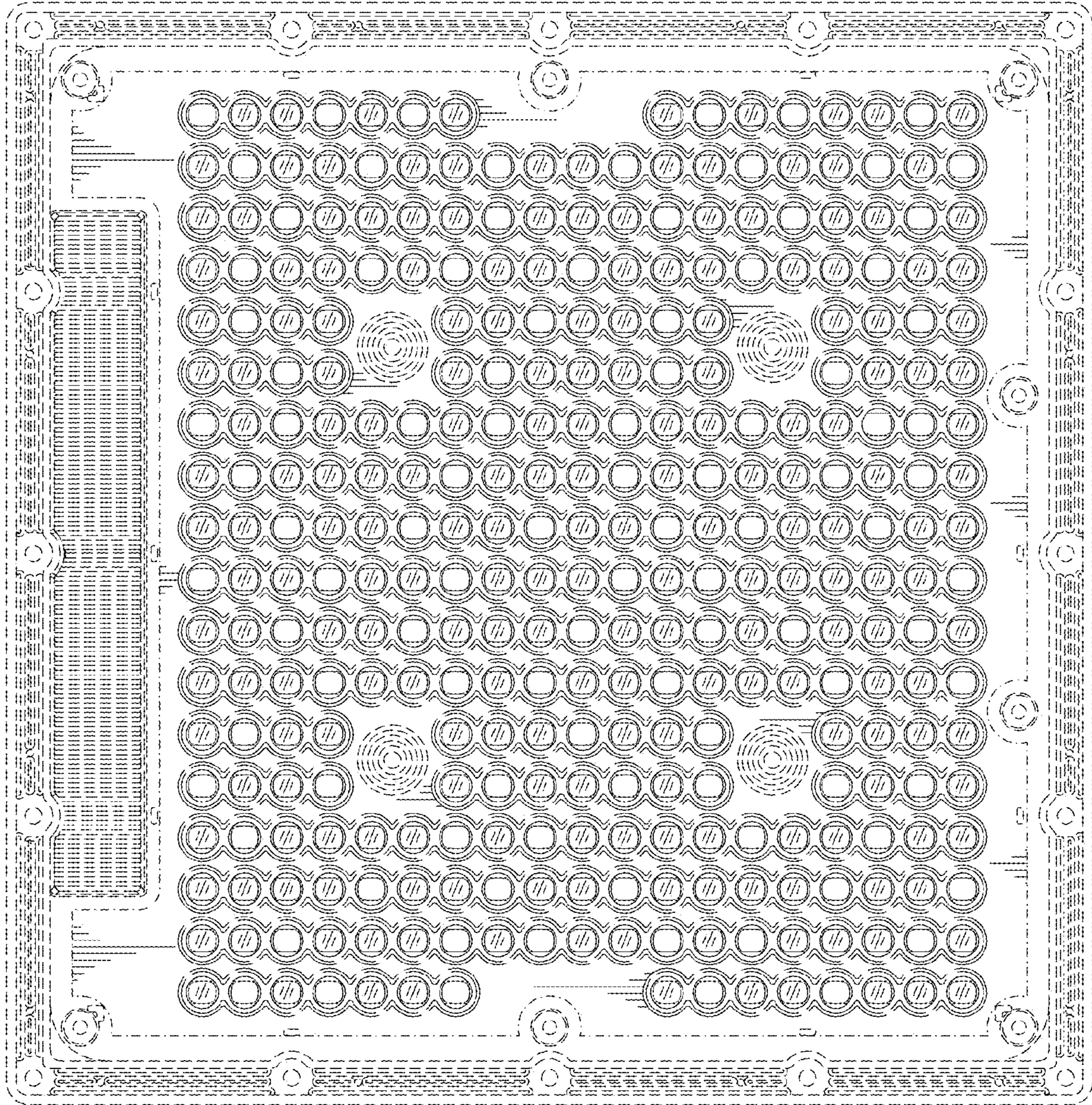


FIG. 5



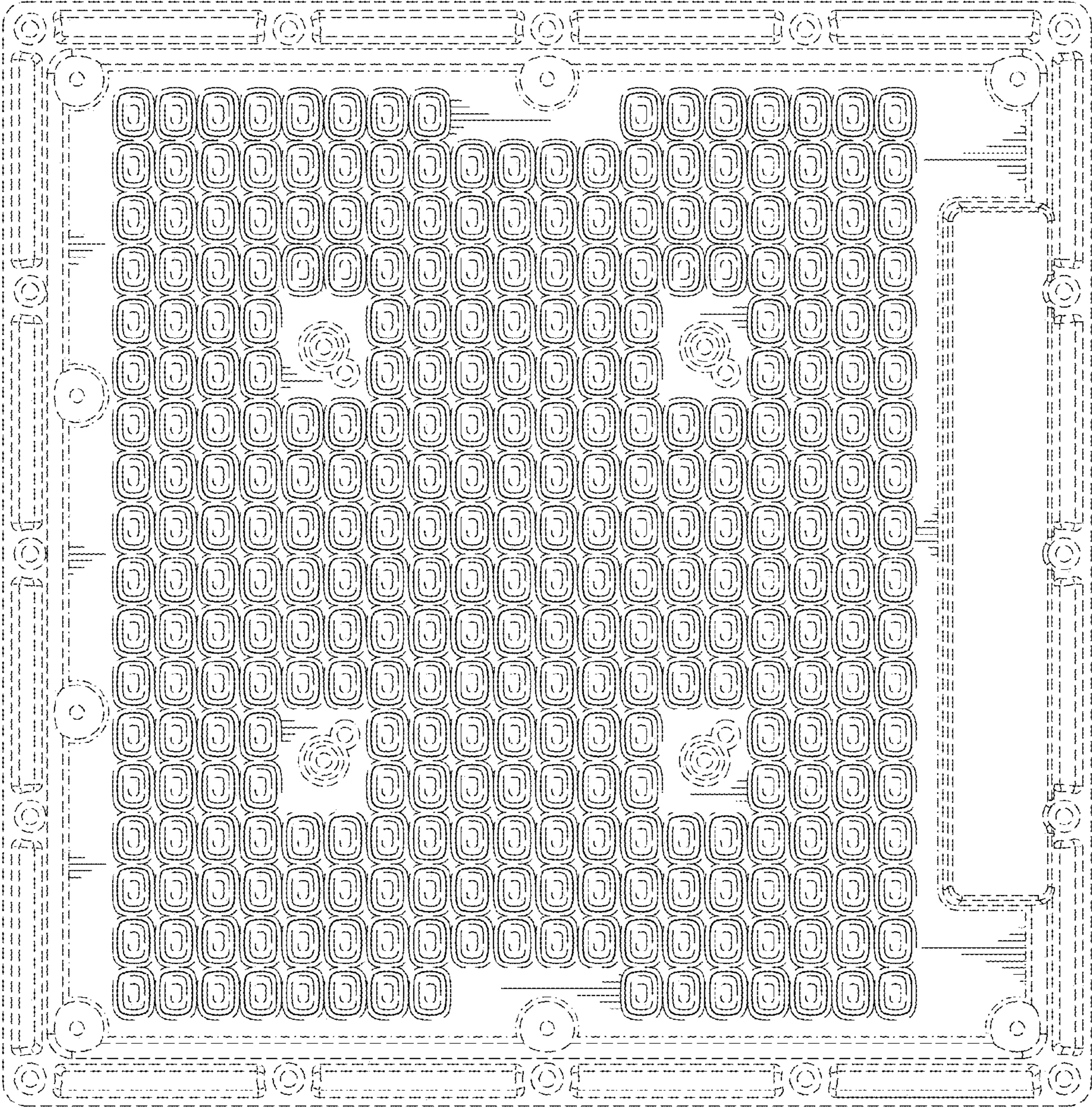


FIG. 6