



US00D945053S

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

(10) **Patent No.:** **US D945,053 S**  
(45) **Date of Patent:** **\*\* Mar. 1, 2022**

(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.: **29/788,118**
- (22) Filed: **Mar. 18, 2021**

**Related U.S. Application Data**

- (63) Continuation of application No. 29/760,168, filed on Nov. 30, 2020, which is a continuation of application (Continued)
- (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 (Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D427,343 S     6/2000 Reinbach  
6,721,101 B2     4/2004 Daniell  
(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

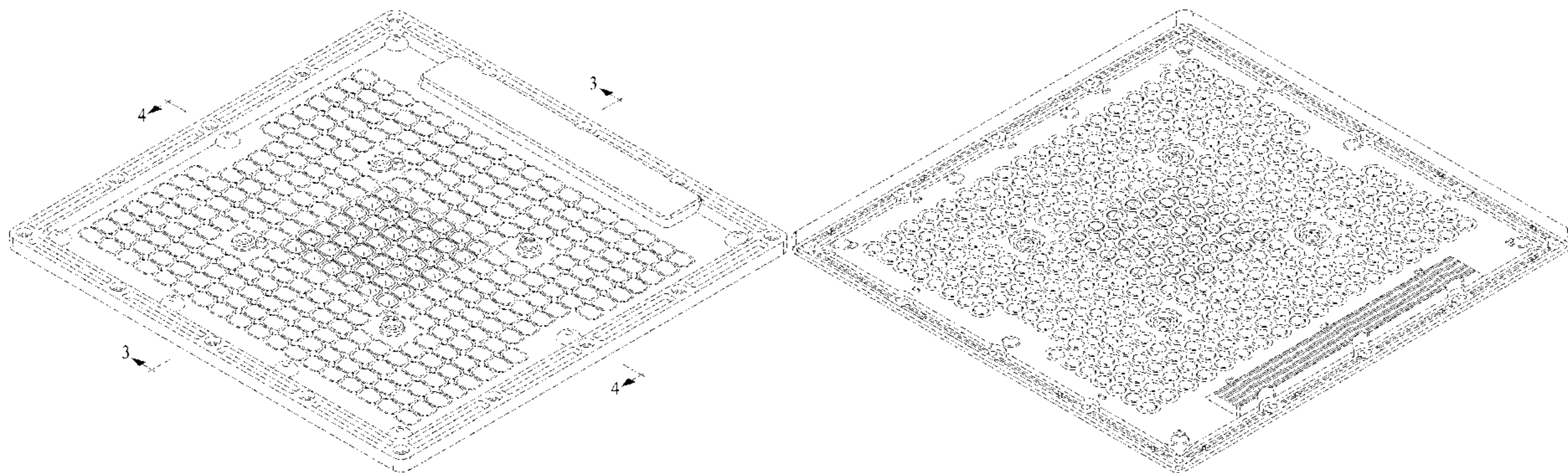
(57) **CLAIM**

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**



**Related U.S. Application Data**

No. 17/098,321, filed on Nov. 13, 2020, now abandoned.

(58) **Field of Classification Search**

CPC ..... F21L 2/00; F21S 2/00; F21S 8/00; F21S 8/006; F21S 8/026; F21V 15/00; F21V 15/01; H01K 7/00; H01K 7/02; A01G 7/045

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D493,251 S	7/2004	Yu et al.	
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
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.	

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/techs/LEDiL/tech\\_LEDiL\\_STRADELLA/default\\_NA.html](http://www1.futureelectronics.com/Mailing/techs/LEDiL/tech_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-ed-64-in-1\\_62108450937.html](https://www.alibaba.com/product-detail/smd-3030-ed-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

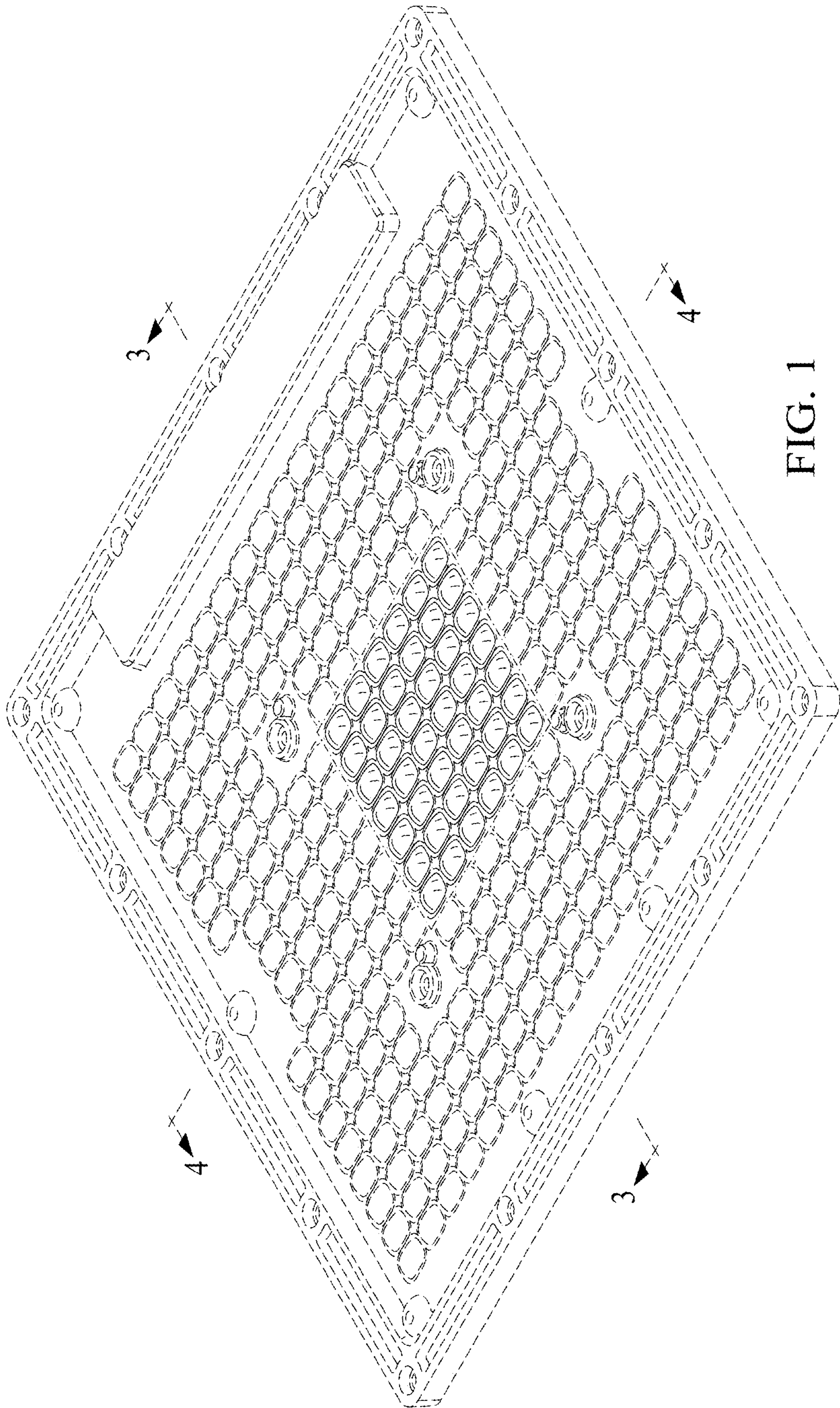


FIG. 1

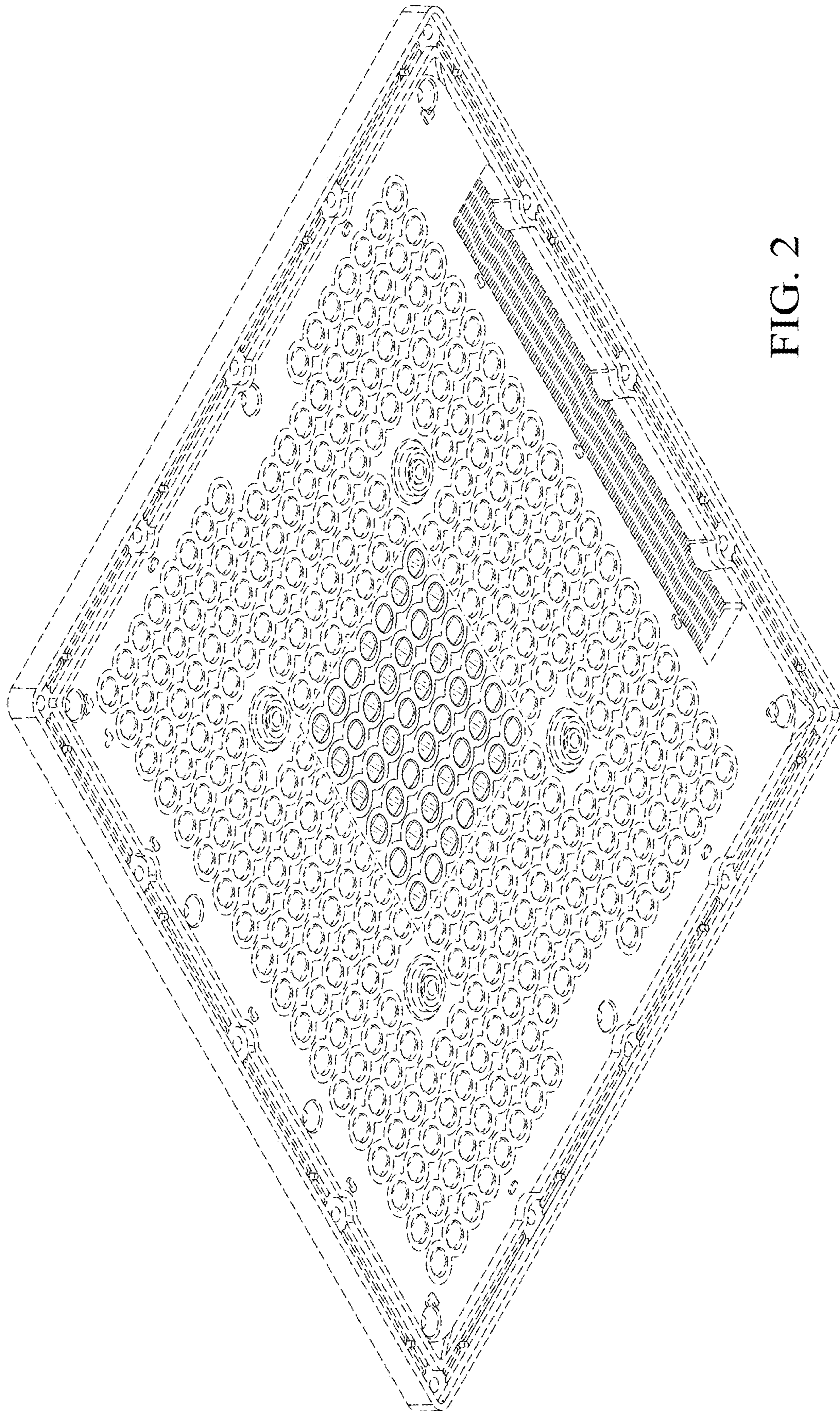


FIG. 2

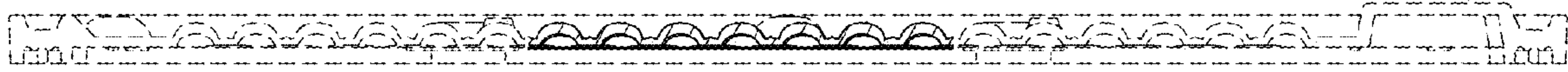


FIG. 3

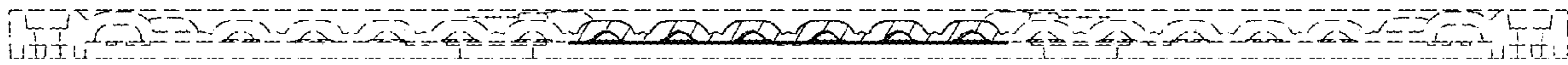


FIG. 4

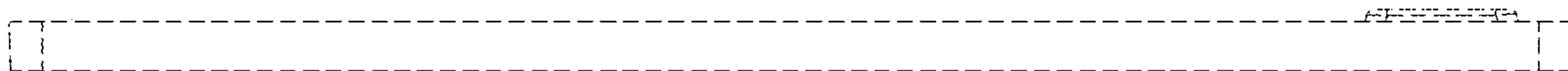


FIG. 7

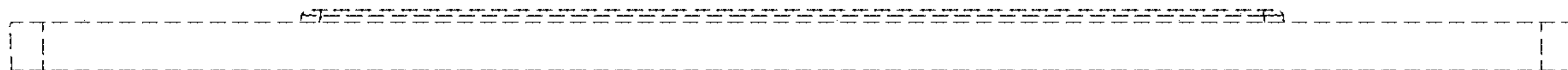


FIG. 8

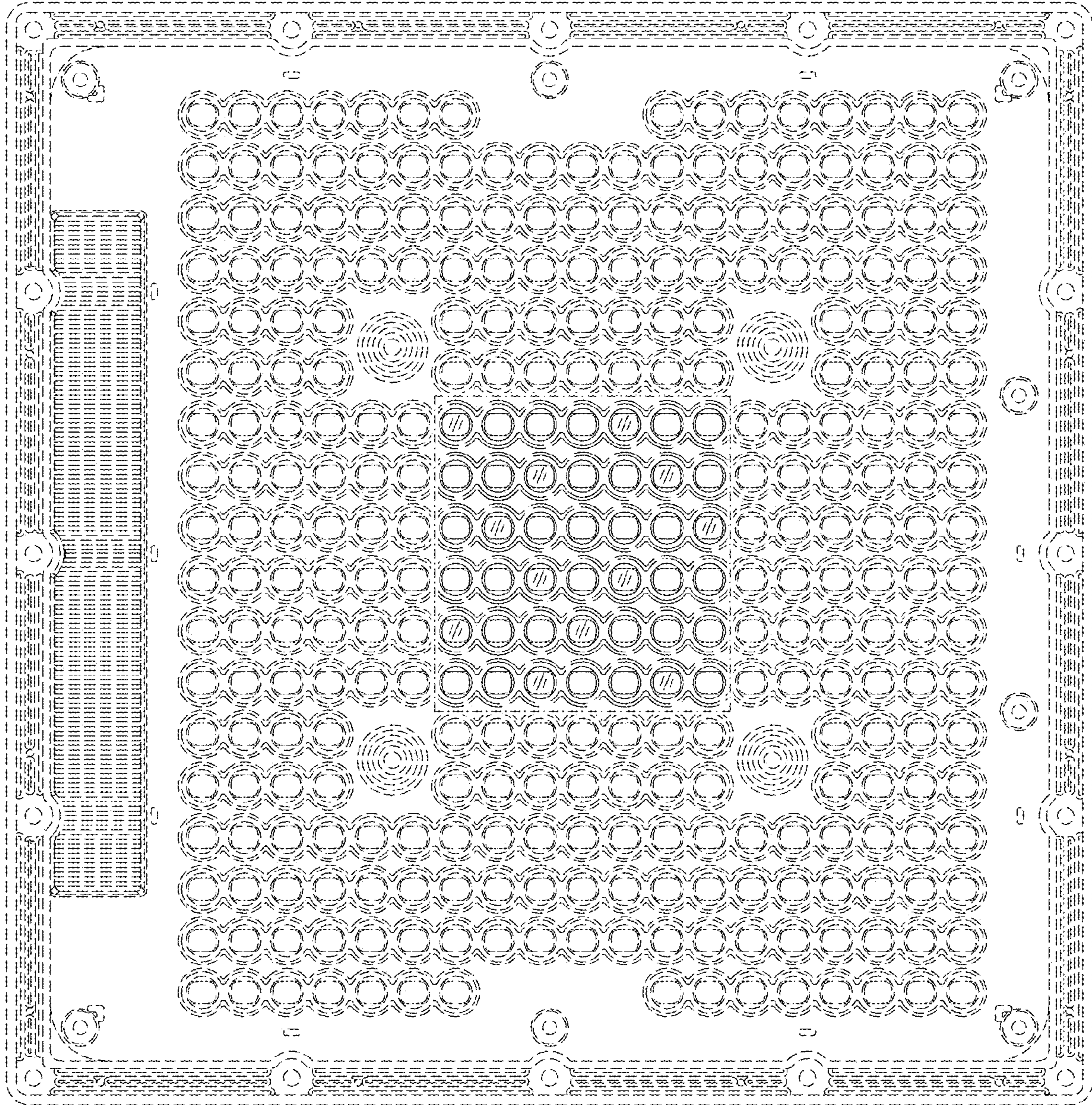


FIG. 5

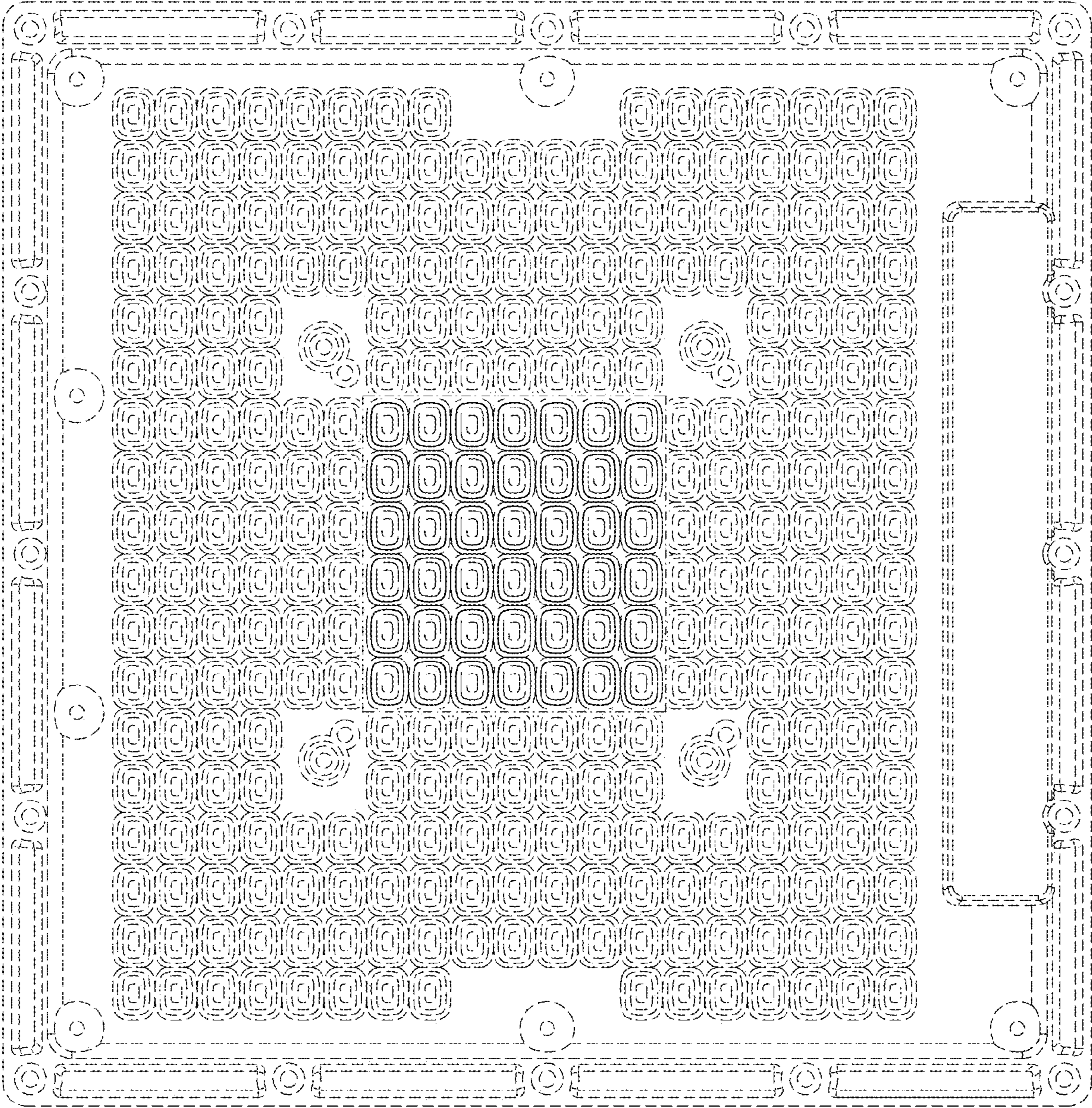


FIG. 6