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(12) **United States Design Patent** (10) **Patent No.:** **US D969,760 S**  
**Pikovsky et al.** (45) **Date of Patent:** **\*\* Nov. 15, 2022**

(54) **FLUID MOVER ENCLOSURE**

6,351,394 B1 2/2002 Cunningham  
D463,383 S 9/2002 Hwang  
D478,055 S 8/2003 Jing et al.  
(Continued)

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

(21) Appl. No.: **29/732,504**

(22) Filed: **Apr. 24, 2020**

**Related U.S. Application Data**

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2, 2019, now Pat. No. Des. 896,767.

(51) **LOC (13) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/179**

(58) **Field of Classification Search**  
USPC ..... D13/179, 182.184; D23/231; D14/230  
CPC . H01Q 1/428; H01Q 1/02; H01Q 1/38; H01L  
23/367; H01L 23/3672; H05K 7/20254;  
F28F 3/022; F28F 3/04; F28F 21/065;  
G02B 1/111; F28D 15/0275  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|           |     |         |           |         |
|-----------|-----|---------|-----------|---------|
| 3,799,255 | A   | 3/1974  | Luderssen |         |
| D249,790  | S   | 10/1978 | Ainscow   |         |
| D311,427  | S   | 10/1990 | Banerjee  |         |
| 5,158,136 | A   | 10/1992 | Azar      |         |
| D345,963  | S * | 4/1994  | Kanaya    | D13/182 |
| D427,856  | S   | 7/2000  | Sellers   |         |
| 6,196,302 | B1  | 3/2001  | Chuang    |         |
| 6,239,986 | B1  | 5/2001  | Otsuka    |         |
| 6,305,955 | B1  | 10/2001 | Billman   |         |

**OTHER PUBLICATIONS**

Istock, "Cooling fan cover plate with holes . . . ", Upload date Sep.  
9, 2018. (<https://www.istockphoto.com/vector/cooling-fan-cover-plate-with-holes-thin-line-vector-on-pink-background-gm1033740136-276811669>) (Year: 2018).\*

(Continued)

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(57)

**CLAIM**

The ornamental design for a fluid mover enclosure, as shown  
and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a fluid mover enclosure  
showing our new design.

FIG. 2 is a top plan view of the fluid mover enclosure shown  
in FIG. 1;

FIG. 3 is a bottom plan view of FIG. 1;

FIG. 4 is a front view of FIG. 1;

FIG. 5 is a back view of FIG. 1;

FIG. 6 is a right side view of FIG. 1;

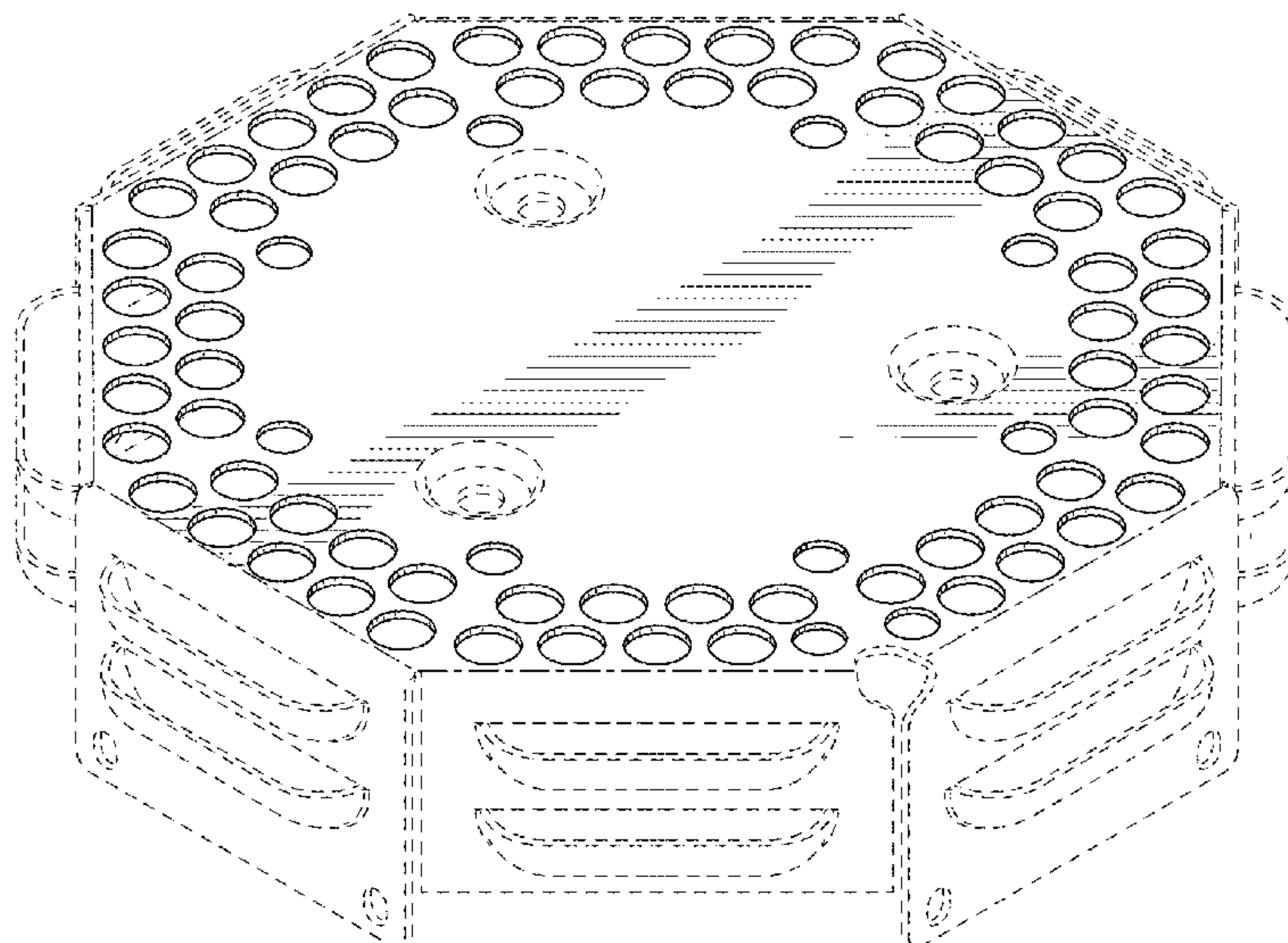
FIG. 7 is a left side view of FIG. 1;

FIG. 8 is a front perspective view of the fluid mover  
enclosure of FIG. 1, wherein the enclosure is shown  
assembled within an environmental mounting; and,

FIG. 9 is a front perspective view of the fluid mover  
enclosure of FIG. 1, showing the environmental mounting  
exploded around the enclosure.

The dash-dot broken lines illustrate a boundary of the  
claimed invention and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**





(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D479,828 S 9/2003 Dugas  
D479,829 S 9/2003 Dugas  
6,628,512 B2 9/2003 Searby et al.  
D482,008 S 11/2003 Petronio  
D490,382 S \* 5/2004 Dugas ..... D13/179  
D496,907 S 10/2004 Hwang  
D512,697 S 12/2005 Enns et al.  
D520,621 S 5/2006 Moser  
D525,213 S \* 7/2006 Enderlein ..... D13/182  
7,117,932 B2 10/2006 Ku et al.  
D531,965 S 11/2006 Stathakis  
D536,675 S 2/2007 Millar et al.  
D543,953 S 6/2007 Dugas et al.  
D553,170 S 10/2007 Remsburg et al.  
D553,656 S 10/2007 Reeves et al.  
D596,594 S \* 7/2009 Kressy ..... D13/184  
D605,141 S 12/2009 Jones  
D624,677 S 9/2010 Deguglimo et al.  
D650,339 S 12/2011 Chang et al.  
D659,868 S 5/2012 Deguglimo et al.  
D662,897 S 7/2012 Desalis et al.  
D694,703 S 12/2013 Faro  
D699,690 S 2/2014 Hsu et al.  
D701,180 S 3/2014 Park et al.  
D732,613 S 6/2015 Davies  
D777,266 S 1/2017 Davies  
D786,668 S 5/2017 Cornaglia  
D791,711 S 7/2017 Holton  
D797,049 S 9/2017 Keswani et al.  
D810,022 S 2/2018 Keswani et al.  
D812,022 S 3/2018 Buchanan  
D819,578 S 6/2018 Su  
D822,625 S 7/2018 Tamura et al.  
D836,573 S 12/2018 Ichino et al.  
D856,944 S \* 8/2019 Azar ..... D13/179

D856,945 S \* 8/2019 Azar ..... D13/179  
D893,440 S \* 8/2020 Krivonak ..... D13/184  
D896,767 S \* 9/2020 Pikovsky ..... D13/179  
D900,760 S \* 11/2020 Kouzuma ..... D13/184  
D913,979 S \* 3/2021 Babu ..... D13/182  
D922,331 S \* 6/2021 Cohen ..... D13/152  
D931,240 S \* 9/2021 Lee ..... D13/182  
D933,617 S \* 10/2021 Togami ..... D13/179  
2006/0215357 A1 \* 9/2006 Green ..... G06F 1/20  
361/678  
2008/0151493 A1 \* 6/2008 Ye ..... G11B 33/1426  
361/688  
2009/0314465 A1 12/2009 Zheng et al.  
2010/0134978 A1 6/2010 Lin

## OTHER PUBLICATIONS

ITinStock, “HP 335535-001 FFB0612EH EVA4400 CPU Server Cooling Fan . . .”, Cached via wayback machine on Jun. 28, 2017. (<https://www.itinstock.com/hp-335535-001-ffb0612eh-eva4400-cpu-server-cooling-fan-and-heatsink-for-msa20-36584-p.asp>) (Year: 2017).  
Amazon, “Corsair A500 High Performance Dual Fan CPU Cooler”, First on sale Jan. 3, 2020. (<https://www.amazon.com/Corsair-A500-High-Performance-Cooler/dp/B0829SLJSF>) (Year: 2020).  
List of Advanced Thermal Solutions, Inc. Patents or Applications Treated as Related, Mar. 2021.  
Aitechnology, “Automotive Electronic Adhesives & Thermal Interface Materials for Power Electronics”, Accessed Apr. 7, 2020. (<https://www.aitechnology.com/products/automotive-adhesives-and-tims/>) (Year: 2020).  
Digi-Key, “Product Index > Connectors, Interconnects > Pluggable Connectors ? Molex 0738470001”, Accessed Apr. 7, 2020. (<https://www.digikey.ca/product-detail/en/molex/73847-0001/WM1631-ND/416447>) (Year: 2020).

\* cited by examiner



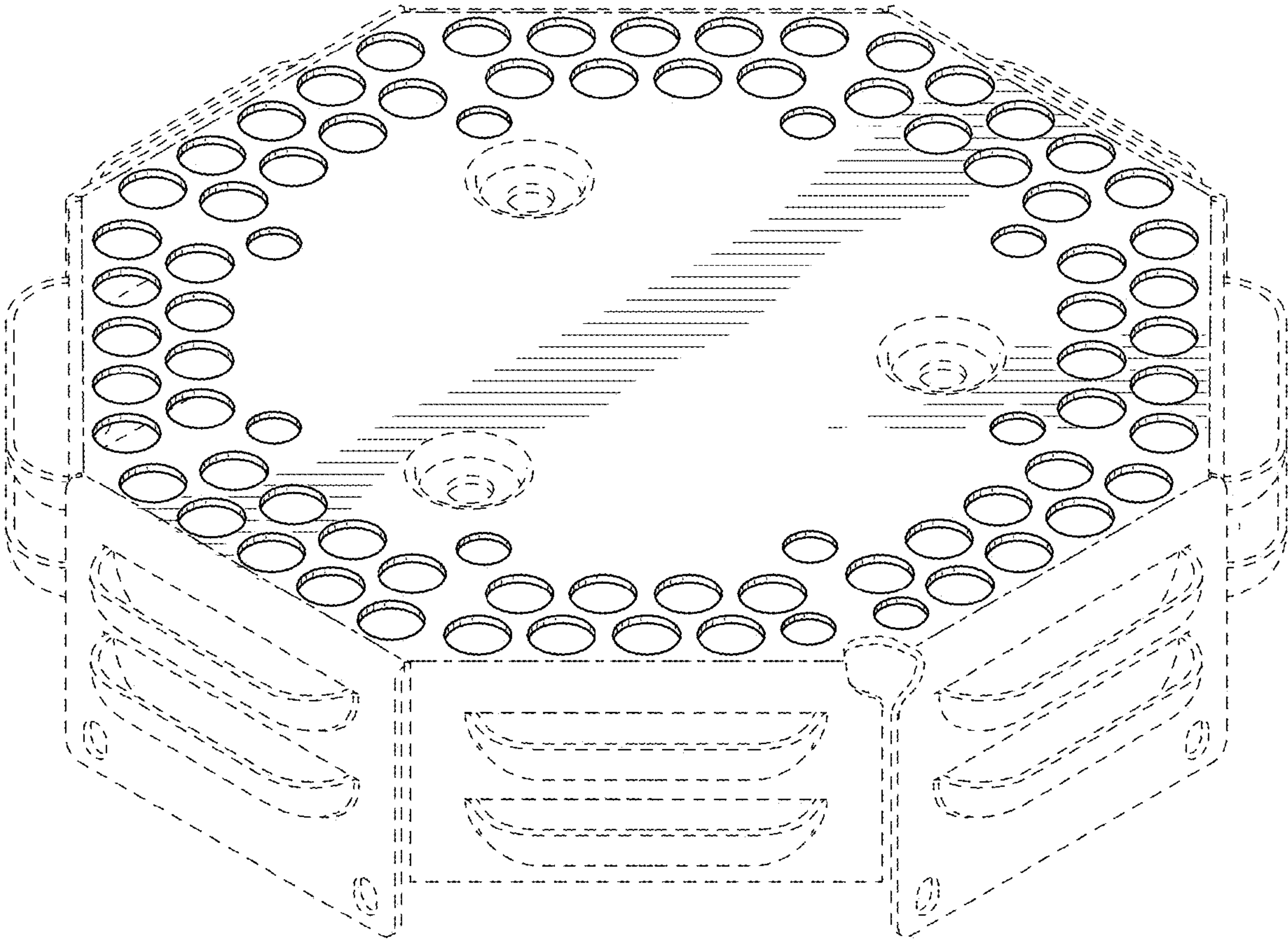


FIG. 1



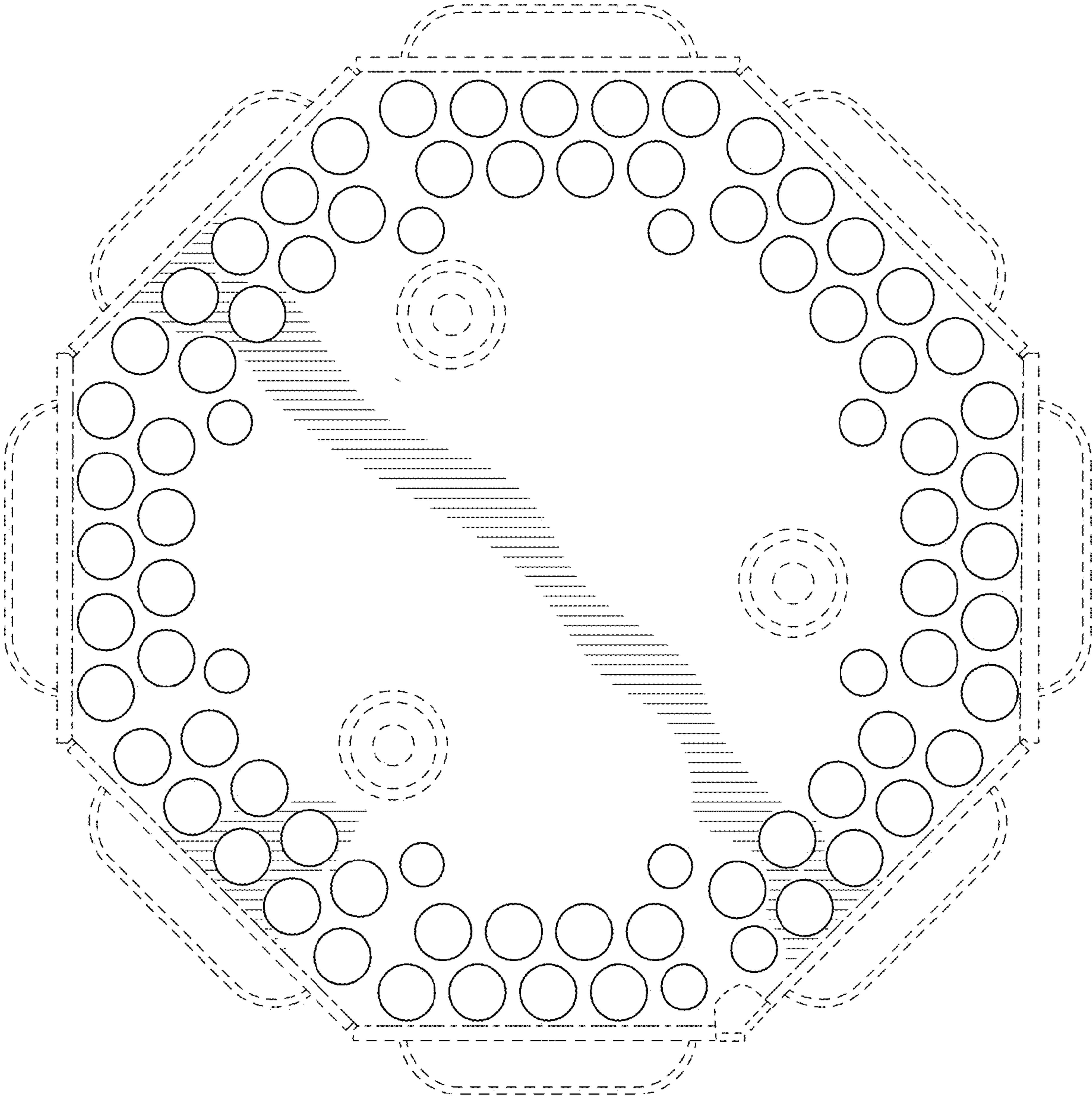


FIG. 2



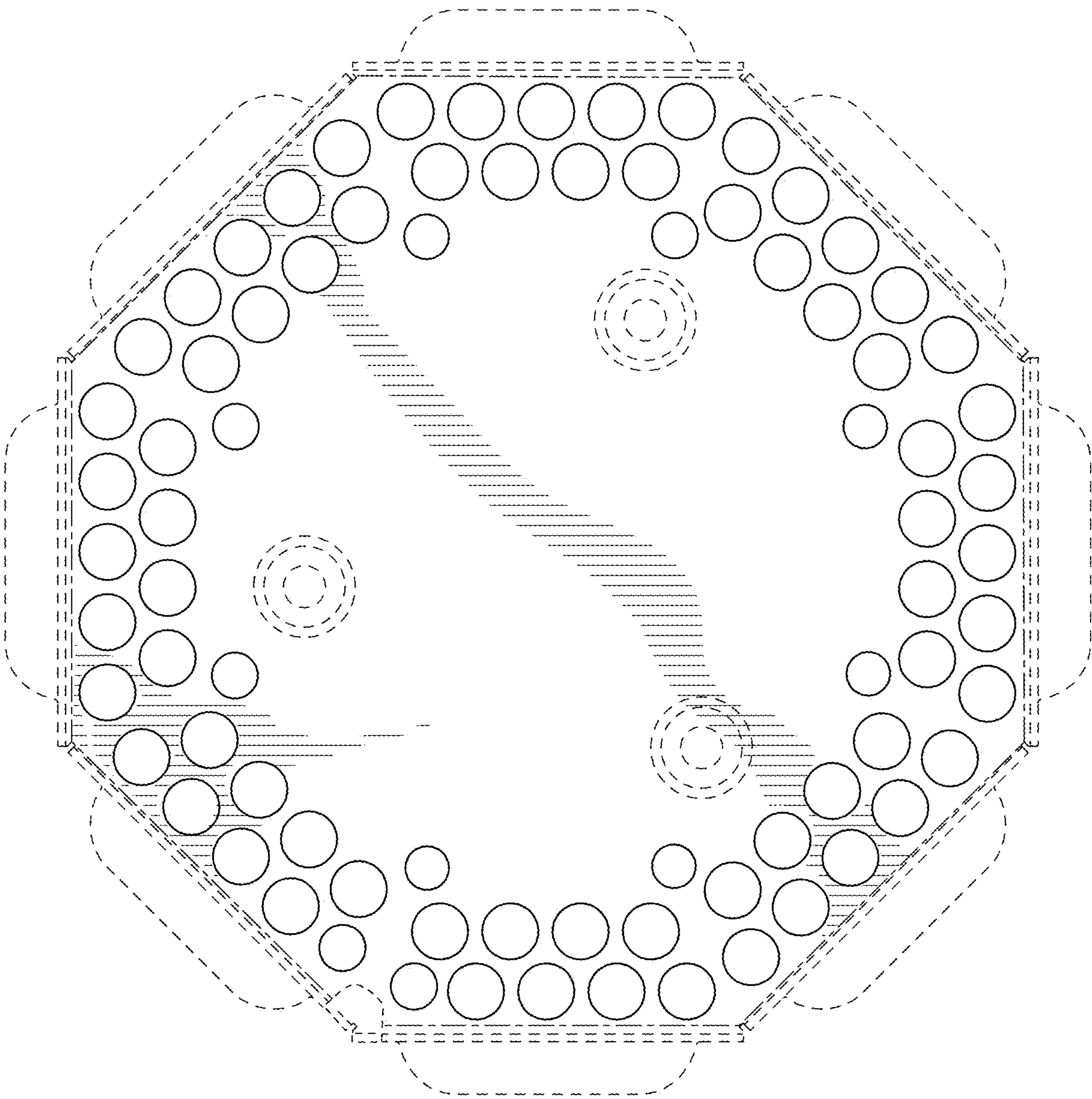


FIG. 3



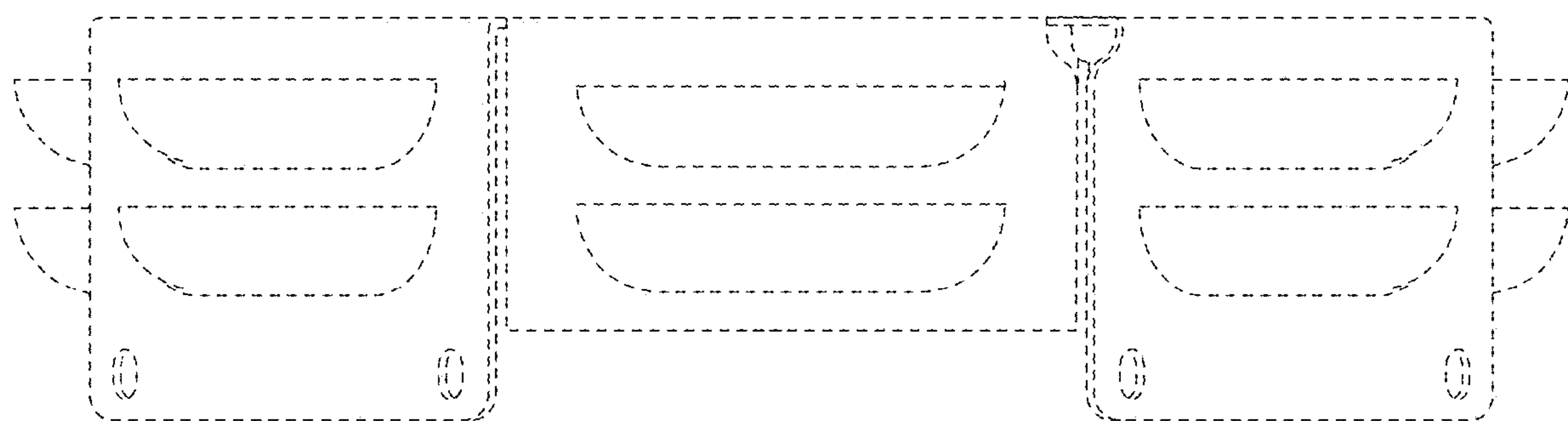


FIG. 4

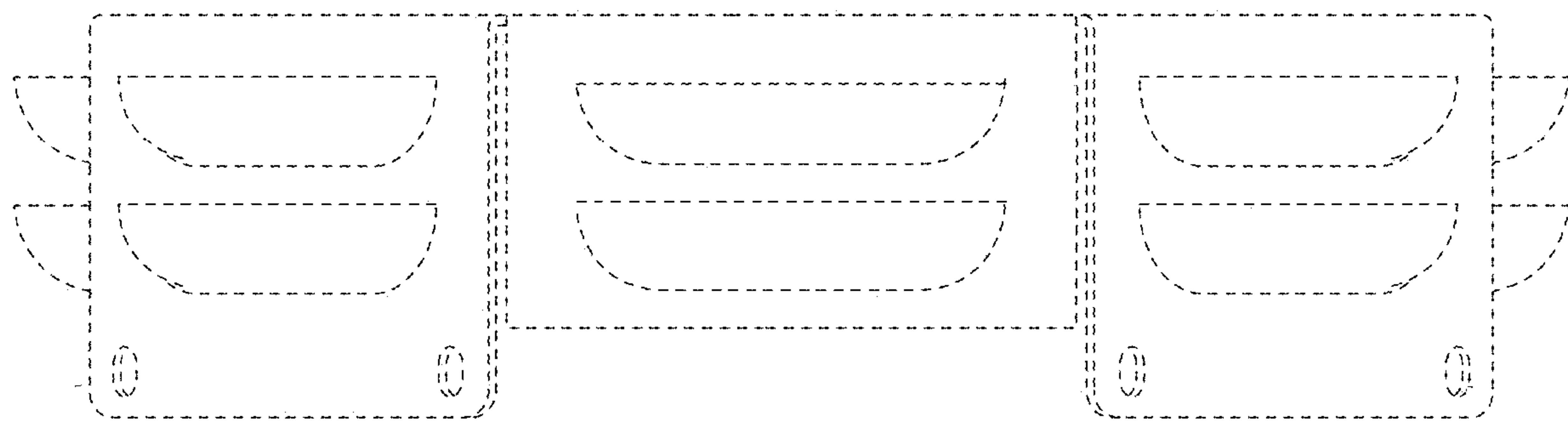


FIG. 5



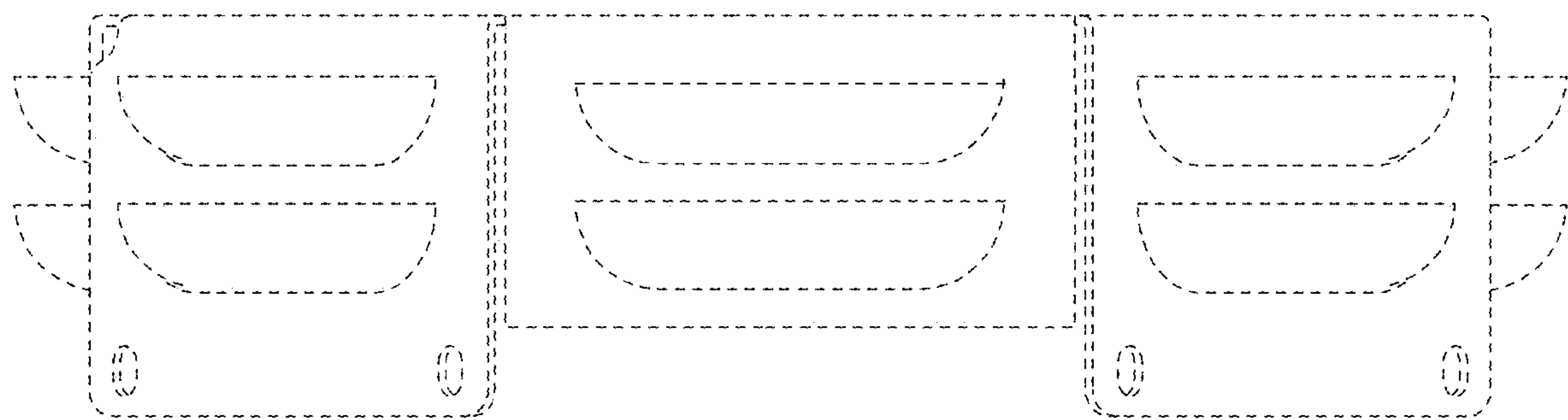


FIG. 6

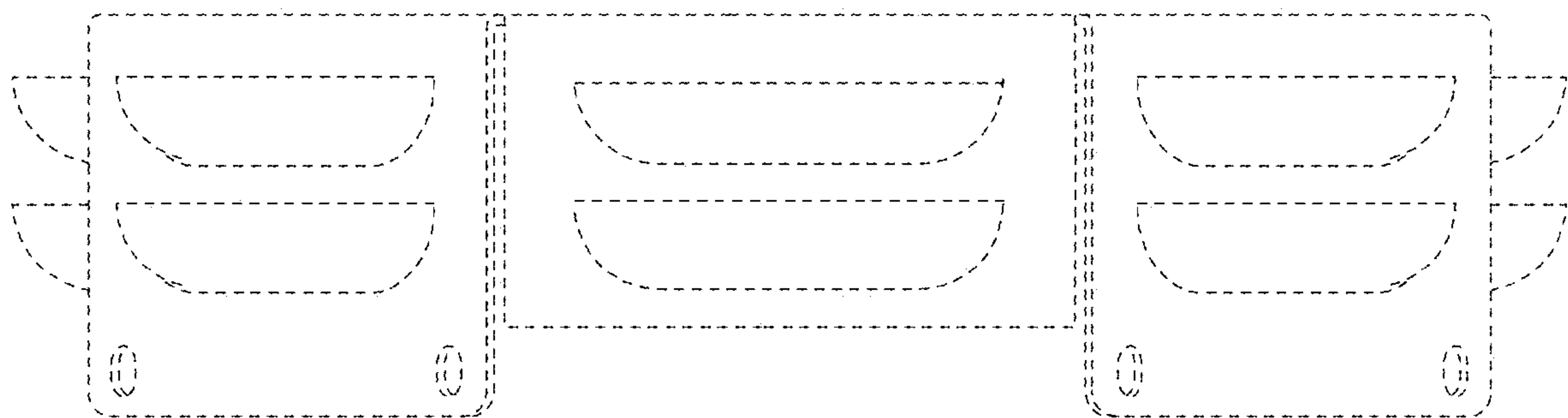


FIG. 7



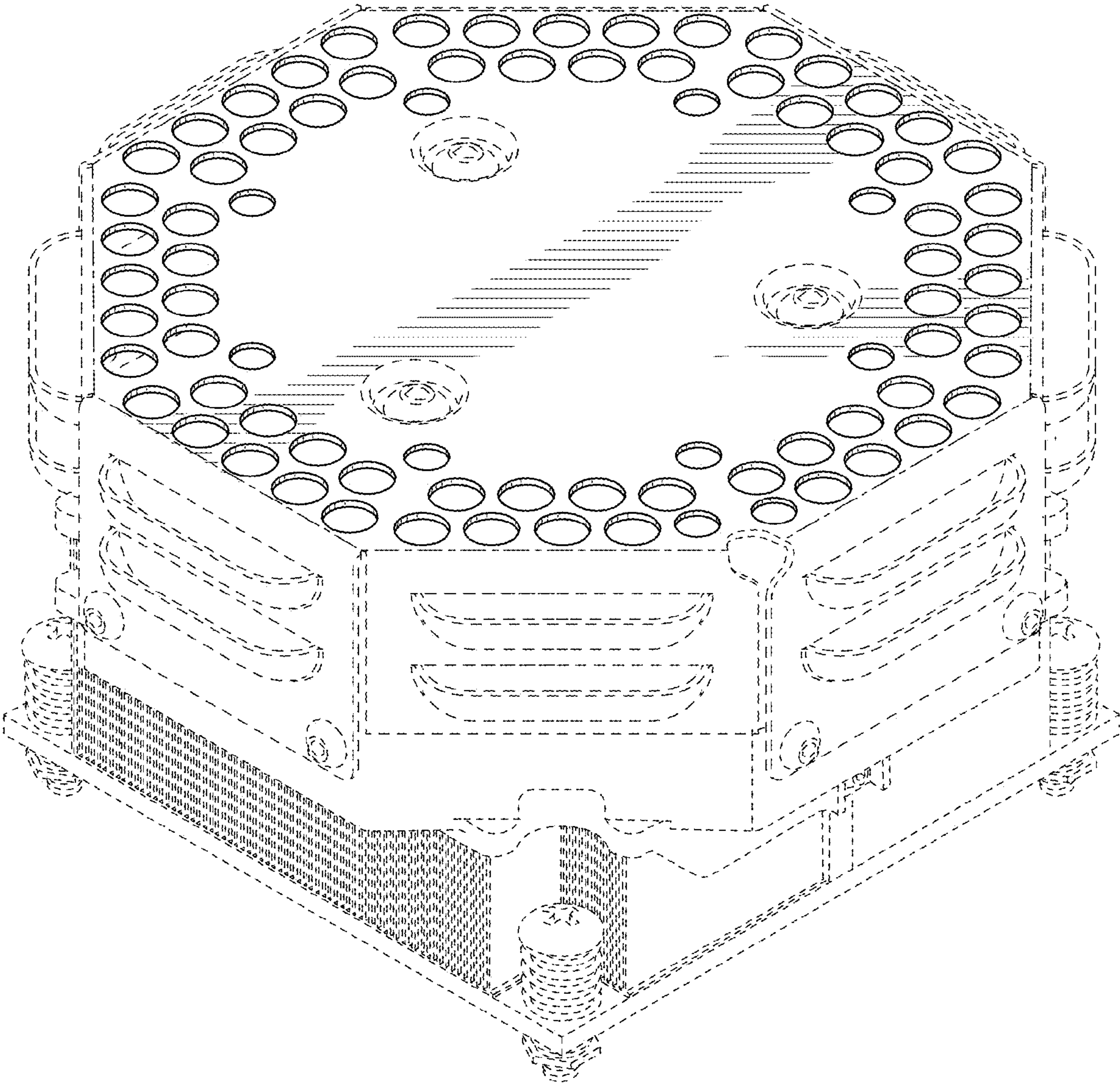


FIG. 8



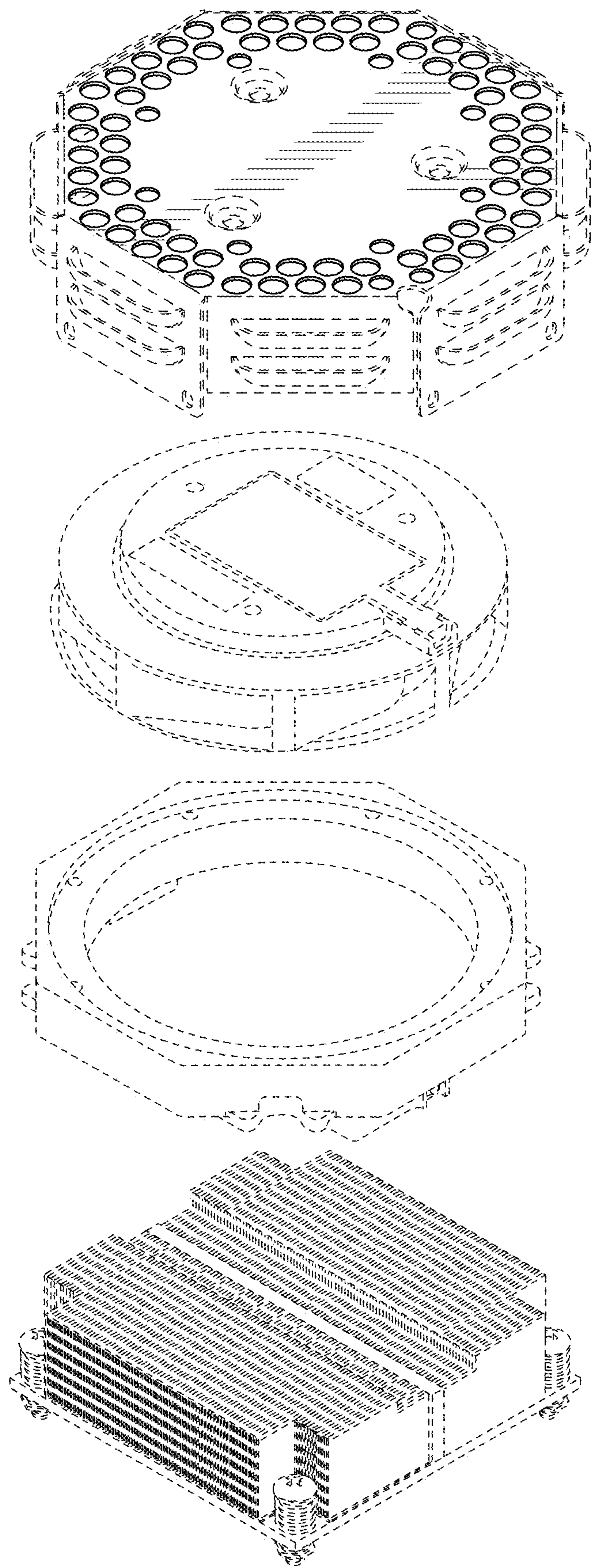


FIG. 9