



US00D891521S

(12) **United States Design Patent** (10) **Patent No.:** **US D891,521 S**
Liao (45) **Date of Patent:** **** Jul. 28, 2020**

(54) **TOY AIRCRAFT**

(71) Applicant: **DONGGUAN TESMAI ELECTRONIC TECHNOLOGY CO., LTD**, Dongguan (CN)

(72) Inventor: **Yin Wei Liao**, Dongguan (CN)

(73) Assignee: **DONGGUAN TESMAI ELECTRONIC TECHNOLOGY CO., LTD**, Dongguan (CN)

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

(21) Appl. No.: **29/727,418**

(22) Filed: **Mar. 10, 2020**

(51) **LOC (12) Cl.** **21-07**

(52) **U.S. Cl.**
USPC **D21/447; D12/16.1**

(58) **Field of Classification Search**
USPC D12/1-4, 16.1, 319-345; D21/436-455
CPC B64C 29/0033; B64C 2201/021; B64C 29/02; B64C 2201/088; B64C 2201/104; B64C 2201/141

See application file for complete search history.

D292,194 S * 10/1987 Moller D12/325
4,804,156 A * 2/1989 Harmon B64C 39/001
244/23 C

D320,378 S * 10/1991 Webster D12/319
5,203,521 A * 4/1993 Day B64C 39/064
244/12.2

D335,902 S * 5/1993 Tsai D21/451
D362,470 S * 9/1995 Smith D21/443
D386,255 S * 11/1997 Ying-teng D12/320
D392,696 S * 3/1998 Johnson D12/325
5,984,753 A * 11/1999 Perez A63H 33/18
446/46

D417,896 S * 12/1999 Eisner D21/451
D428,449 S * 7/2000 Christianson D21/398
D430,530 S * 9/2000 Milde, Jr. D12/320
D487,048 S * 2/2004 Brunner D12/325
D516,659 S * 3/2006 Chiang D21/801
D518,546 S * 4/2006 Chiang D21/801
D526,029 S * 8/2006 Ragonetti A01K 15/025
D21/444

D543,495 S * 5/2007 Williams D12/345

(Continued)

Primary Examiner — Marissa J Cash

(57) **CLAIM**

The ornamental design for a toy aircraft, as shown and described.

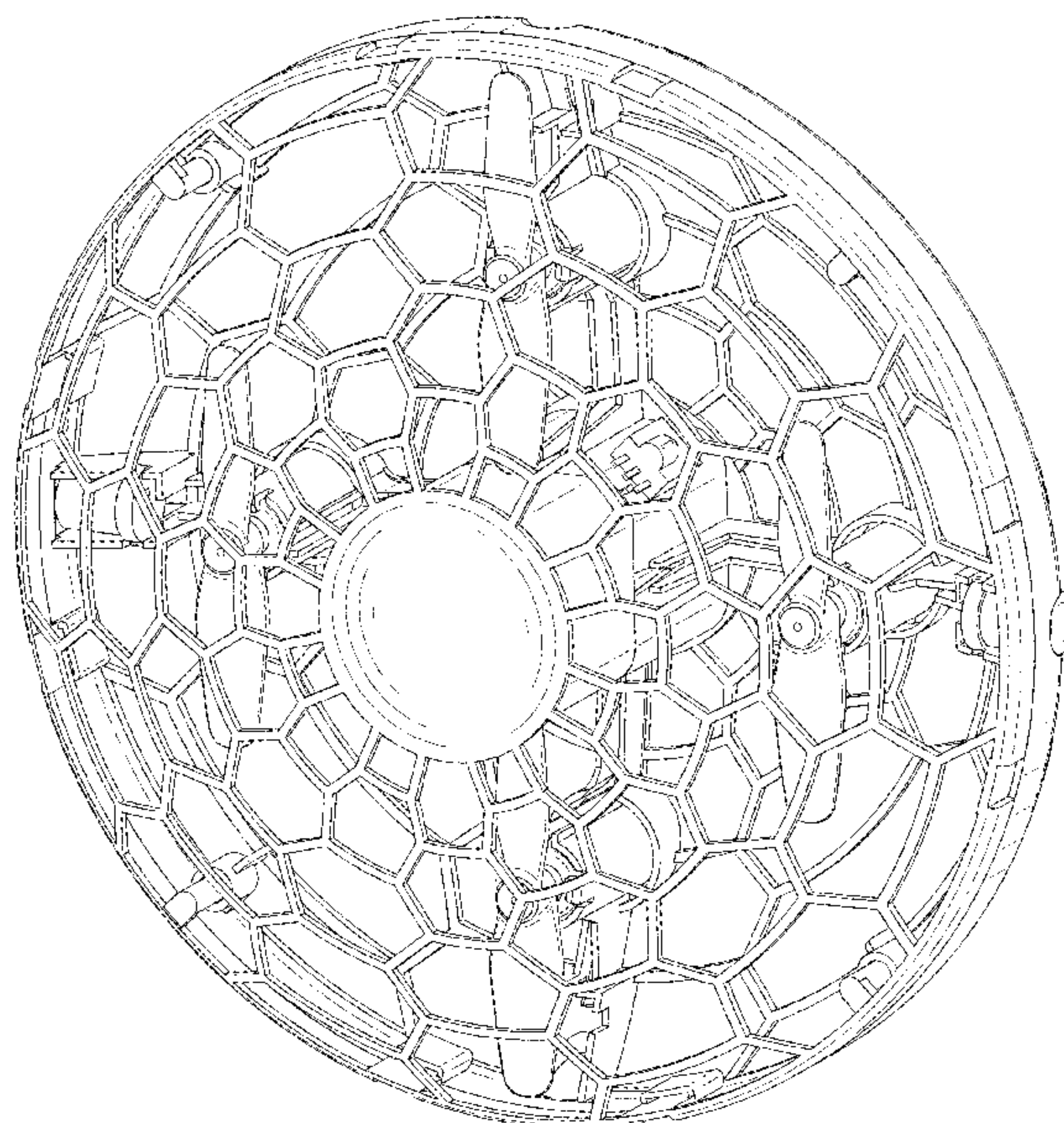
DESCRIPTION

FIG. 1 is a perspective view of a toy aircraft showing my new design;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front elevational view thereof;
FIG. 4 is a rear elevational view thereof;
FIG. 5 is a left side elevational view thereof;
FIG. 6 is a right side elevational view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines in the drawings depict boundaries of the toy aircraft that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56) **References Cited**
U.S. PATENT DOCUMENTS

D171,133 S * 12/1953 Jay D12/325
D171,509 S * 2/1954 Lightbourn D12/325
D174,679 S * 5/1955 Cochran D12/330
D175,873 S * 10/1955 Apostolescu D12/327
D187,823 S * 5/1960 Gassaway D12/325
D213,529 S * 3/1969 Sherwood D12/325
D215,971 S * 11/1969 Rosta D12/325
D218,365 S * 8/1970 Sherwood D12/325
D219,648 S * 1/1971 Weaver D25/11
D238,938 S * 2/1976 Moller D12/325
4,214,720 A * 7/1980 Desautel B64C 39/001
244/12.2



(56)

References Cited

U.S. PATENT DOCUMENTS

D543,928 S * 6/2007 Sanders, Jr. B64C 27/12
D12/319
7,273,195 B1 * 9/2007 Golliher A63H 27/12
244/17.11
7,407,132 B2 * 8/2008 Kirjavainen B64C 39/001
180/117
D612,318 S * 3/2010 Cardozo D12/319
D624,132 S * 9/2010 Cheng D21/451
D640,979 S * 7/2011 Presz, Jr. D13/115
D644,606 S * 9/2011 Presz, Jr. D13/115
8,033,498 B2 * 10/2011 Blackburn B64C 27/82
244/17.23
D664,214 S * 7/2012 Yuen D21/441
D665,351 S * 8/2012 Presz, Jr. D12/345
D665,736 S * 8/2012 Presz, Jr. D13/115
D669,836 S * 10/2012 Ordonez D12/213
D697,145 S * 1/2014 Wong D21/436
D740,892 S * 10/2015 Chen D21/444
D778,370 S * 2/2017 Moore D21/443
D780,665 S * 3/2017 Blincow D12/320
D795,787 S * 8/2017 Blanpain D12/345
9,725,158 B2 * 8/2017 Yan B64C 17/02

D796,414 S * 9/2017 Fenny D12/328
D798,795 S * 10/2017 Fenny D12/328
D814,349 S * 4/2018 Ettinger D12/16.1
D815,580 S * 4/2018 Kim D12/325
D817,251 S * 5/2018 Kim D12/325
D817,252 S * 5/2018 Kim D12/325
D821,264 S * 6/2018 Choo D12/16.1
D830,228 S * 10/2018 Grassi D12/16.1
D830,897 S * 10/2018 Choi D12/16.1
10,112,694 B2 * 10/2018 Yan B64C 17/00
D847,019 S * 4/2019 Kim D12/16.1
D847,021 S * 4/2019 Kim D12/16.1
D853,311 S * 7/2019 Gao D12/345
D855,007 S * 7/2019 Hu D12/328
D856,259 S * 8/2019 Li D12/328
D859,536 S * 9/2019 Cope D21/443
D866,395 S * 11/2019 O'Brien D12/16.1
D867,207 S * 11/2019 O'Brien D12/16.1
D885,976 S * 6/2020 Jang D12/16.1
2002/0104921 A1 8/2002 Louvel
2004/0245376 A1 12/2004 Muren
2016/0272317 A1 * 9/2016 Cho G08G 1/162
2018/0111684 A1 * 4/2018 Namgoong G08G 5/0013
2019/0291858 A1 * 9/2019 Li B64C 27/08

* cited by examiner

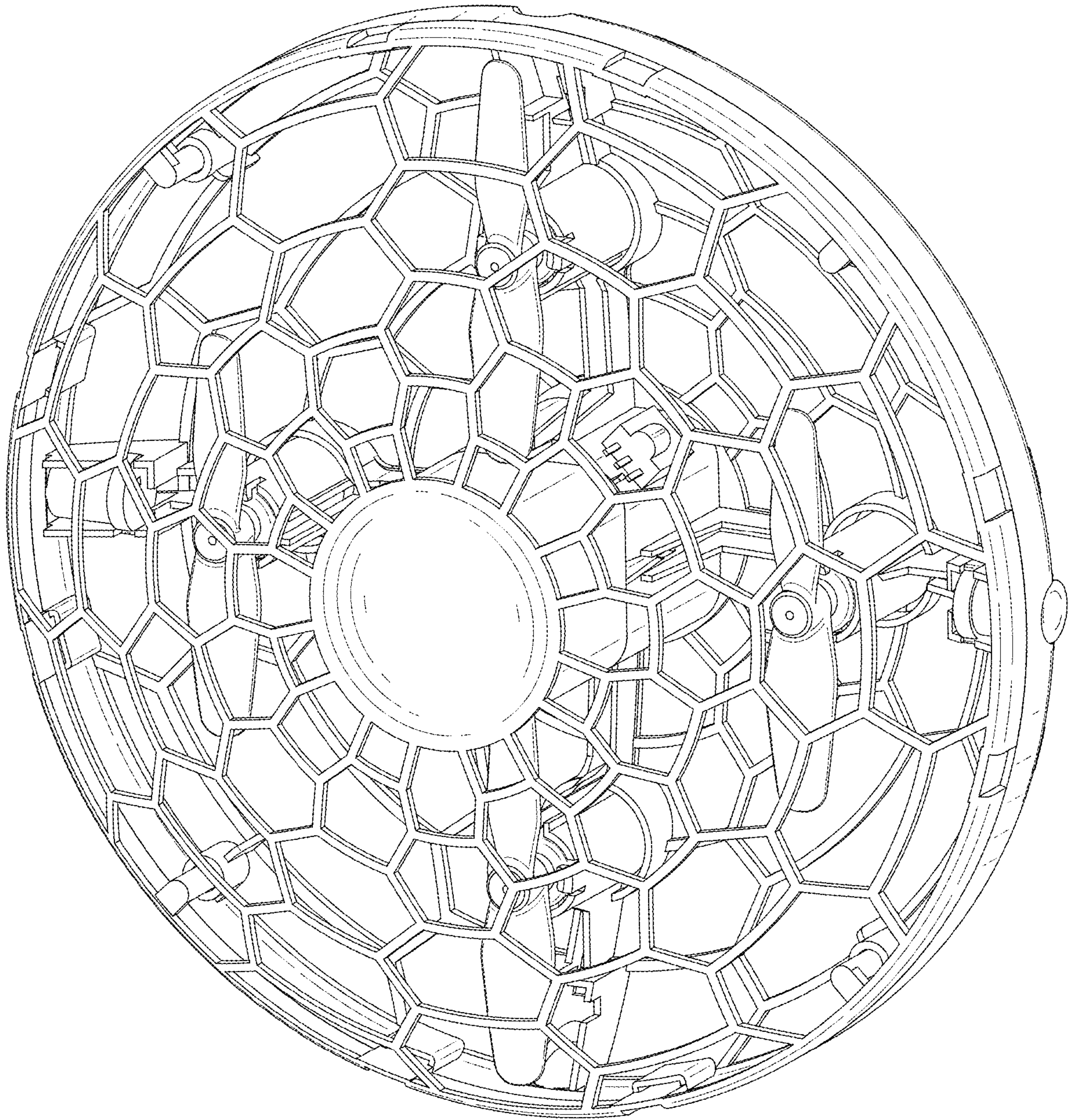


FIG. 1

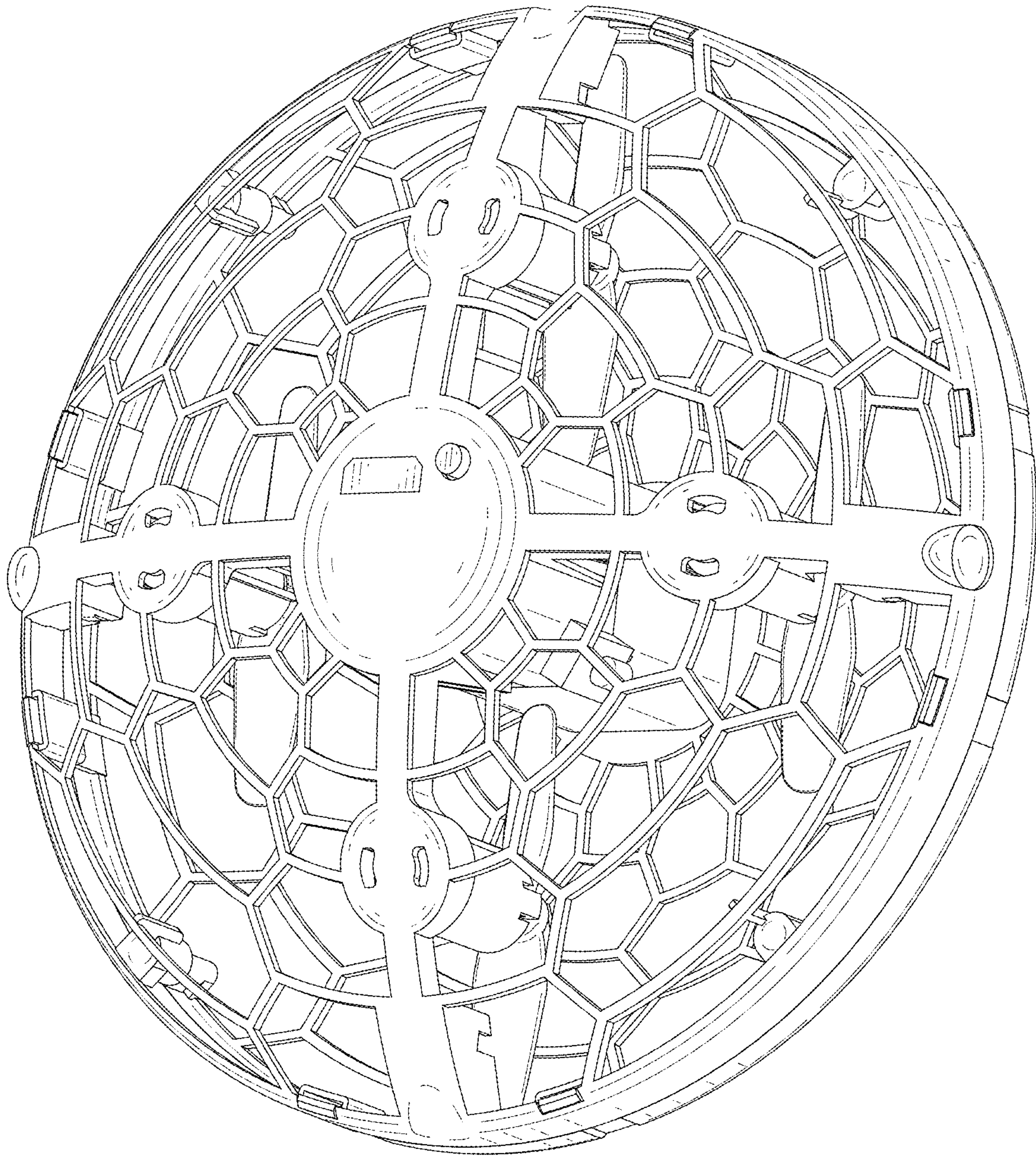


FIG. 2

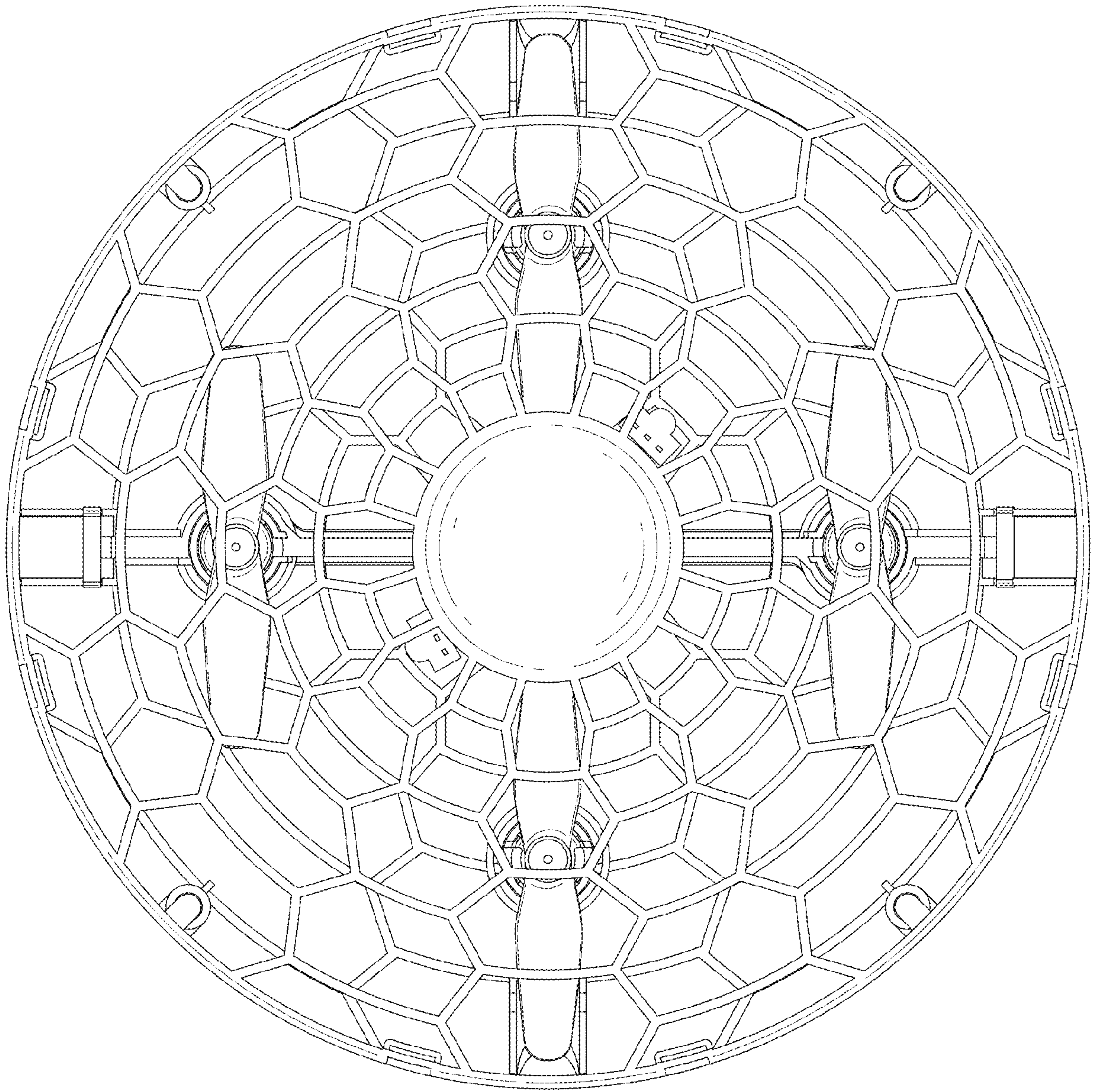


FIG. 3

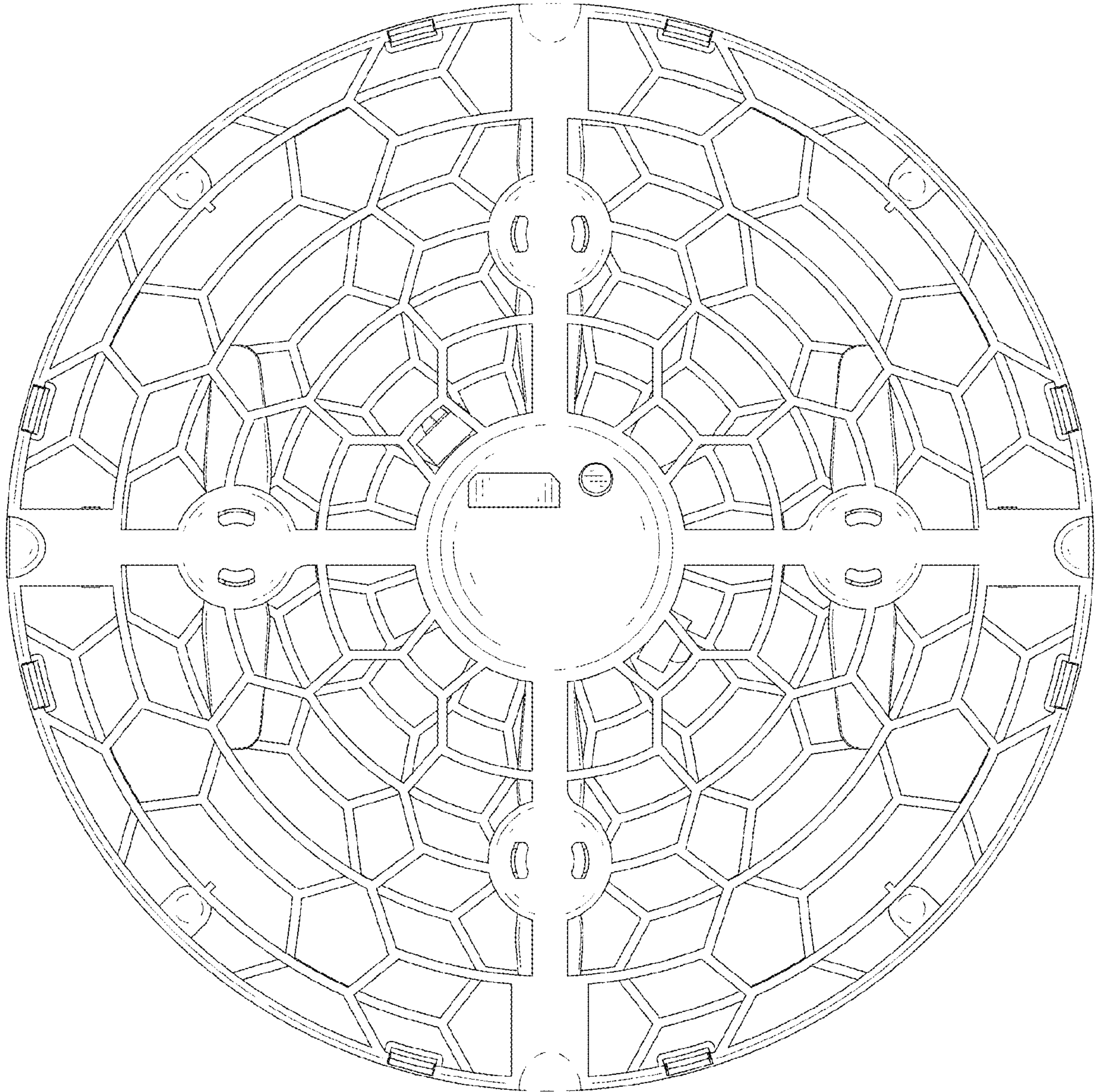


FIG. 4

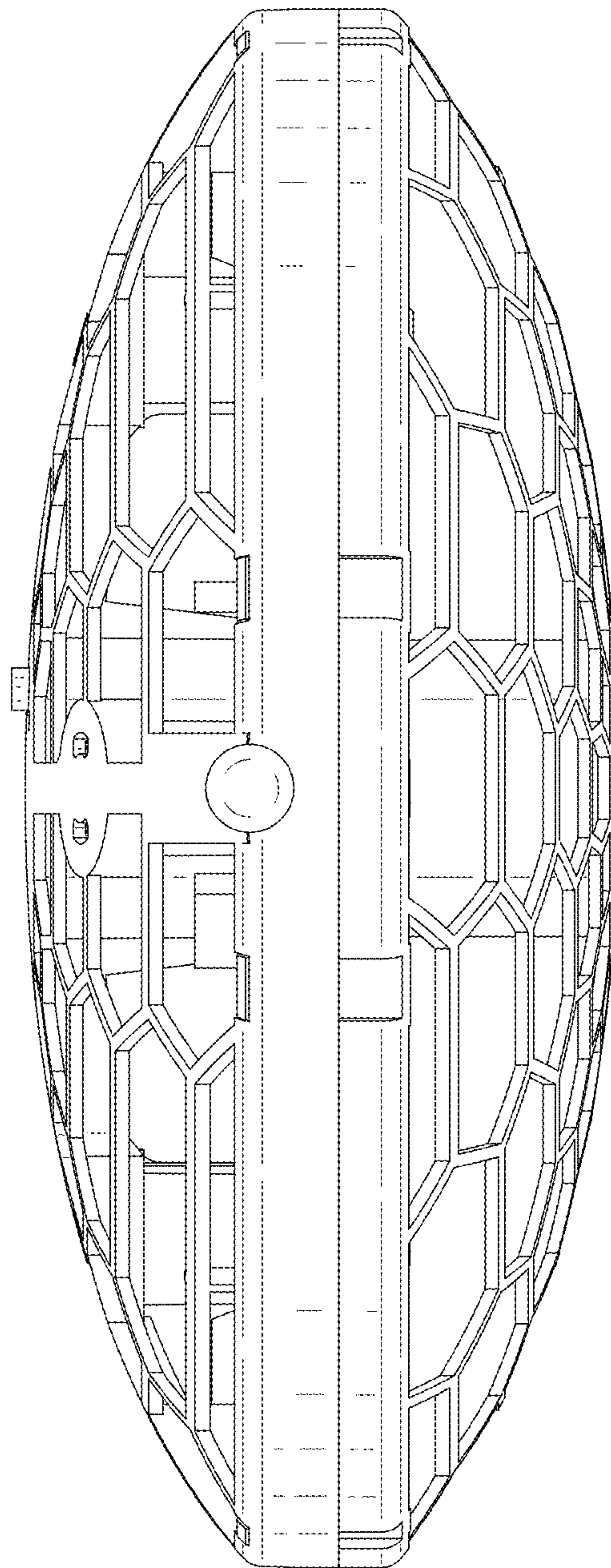


FIG. 5

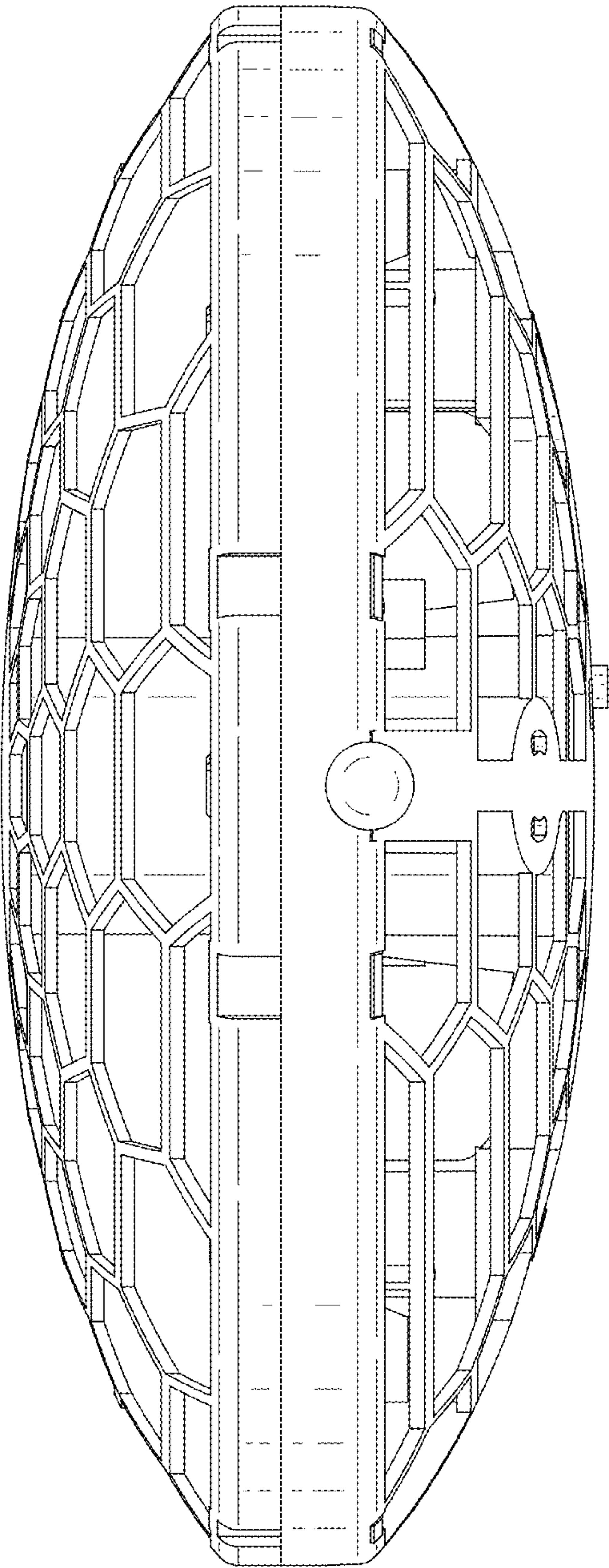


FIG. 6

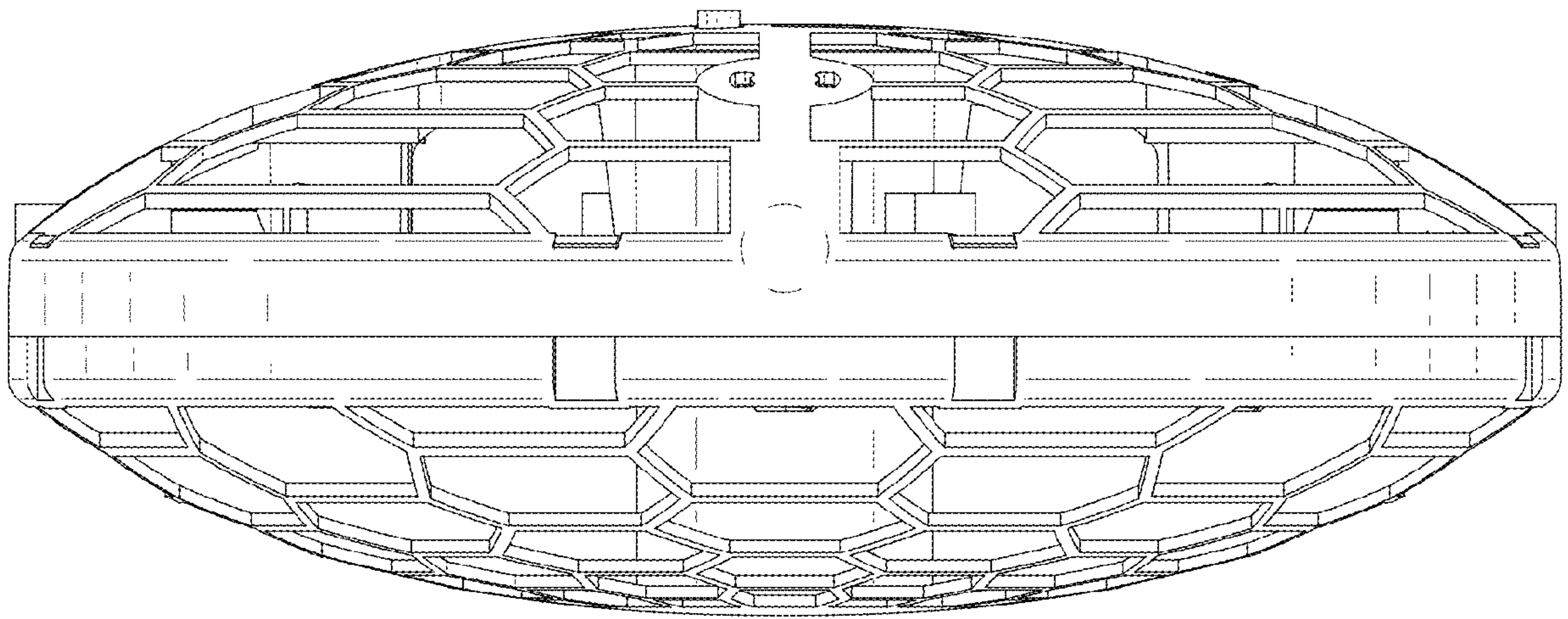


FIG. 7

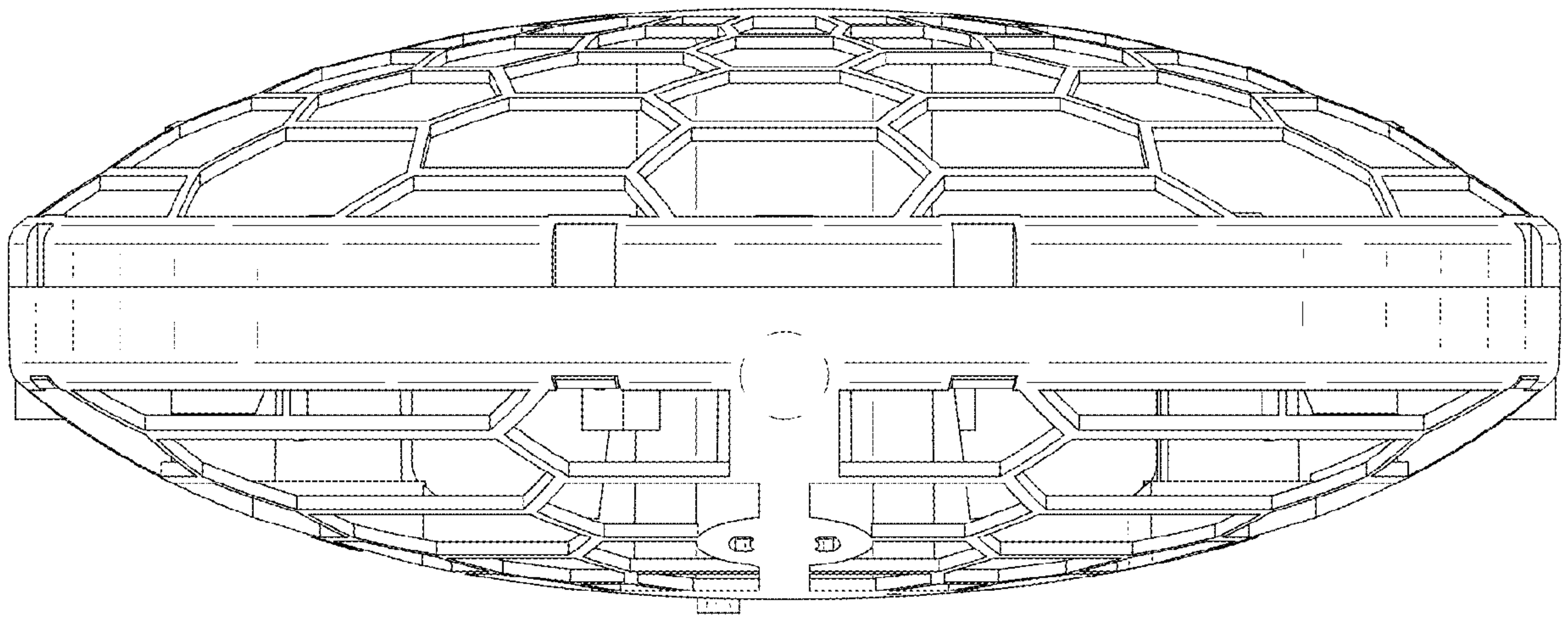


FIG. 8