



US00D789248S

(12) **United States Design Patent**
Ketcher

(10) **Patent No.:** **US D789,248 S**
(45) **Date of Patent:** **** Jun. 13, 2017**

(54) **DRONE SYSTEM COMPONENT INCLUDING RINGS**

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

(21) Appl. No.: **29/569,541**

(22) Filed: **Jun. 28, 2016**

Related U.S. Application Data

(63) Continuation of application No. 29/485,241, filed on Mar. 17, 2014, now Pat. No. Des. 763,133.

(51) **LOC (10) Cl.** **12-07**

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

(58) **Field of Classification Search**
USPC D12/16.1, 326, 319, 328, 330, 442;
D21/441; 244/53 R, 54, 17.23
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D189,462 S 12/1960 Vogt
5,297,759 A 3/1994 Tilbor et al.
(Continued)

OTHER PUBLICATIONS

DJI, DJI Officially Released the Phantom Top Guard, <http://www.dji.com>, May 13, 2013, 2 pages.

(Continued)

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Assistant Examiner — Gino Colan

(74) *Attorney, Agent, or Firm* — Law Office of Karen Dana Oster, LLC

(57) **CLAIM**

The ornamental design for a drone system component including rings, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a first embodiment of a drone system component including rings showing my new design;

FIG. 2 is a bottom perspective thereof;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a front elevational view thereof, the back elevational view not being visible and/or not being claimed herein;

FIG. 6 is a back elevational view thereof, the front elevational view not being visible and/or not being claimed herein;

FIG. 7 is a first side elevational view thereof, the second side elevational view not being visible and/or not being claimed herein;

FIG. 8 is a second side elevational view thereof, the first side elevational view not being visible and/or not being claimed herein;

FIG. 9 is a top perspective view of a second embodiment of a drone system component including rings showing my new design;

FIG. 10 is a bottom perspective view thereof;

FIG. 11 is a top plan view thereof;

FIG. 12 is a bottom plan view thereof;

FIG. 13 is a front elevational view thereof, the back elevational view not being visible and/or not being claimed herein;

FIG. 14 is a back elevational view thereof, the front elevational view not being visible and/or not being claimed herein;

FIG. 15 is a first side elevational view thereof, the second side elevational view not being visible and/or not being claimed herein; and,

(Continued)

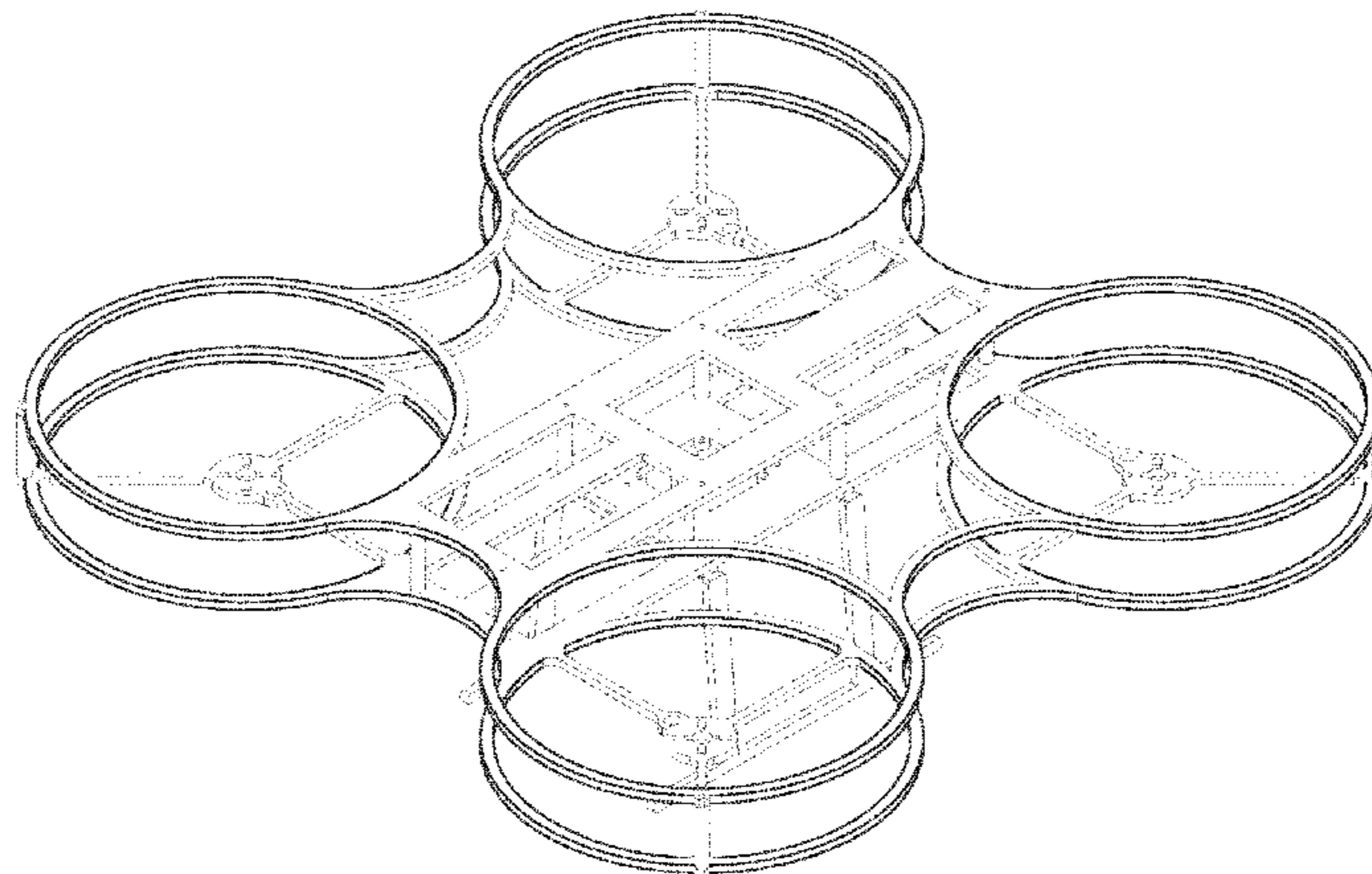


FIG. 16 is a second side elevational view thereof, the first side elevational view not being visible and/or not being claimed herein.

The broken lines showing in the figures are for the purpose of illustrating portions of the drone system component including rings and form no part of the claimed design.

Views of the drone system component including rings that are not shown in the drawings or described herein form no part of the claimed design.

1 Claim, 12 Drawing Sheets

(58) **Field of Classification Search**

CPC B64C 2201/108; B64C 2201/146; B64C 35/00; B64C 39/08

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D465,196 S 11/2002 Dammar
 7,497,759 B1 3/2009 Davis
 7,520,466 B2 4/2009 Bostan

7,794,302 B2 9/2010 Davis
 D648,809 S 11/2011 Seydoux et al.
 D659,771 S 5/2012 Seydoux et al.
 8,214,088 B2 7/2012 Lefebure
 8,473,125 B2 6/2013 Rischmuller et al.
 8,474,761 B2 7/2013 Callou
 8,498,447 B2 7/2013 Derbanne
 8,594,862 B2 11/2013 Callou et al.
 D708,272 S 7/2014 Schmelter
 D741,751 S 10/2015 Klaptocz et al.
 D747,775 S 1/2016 Colin et al.
 D751,025 S 3/2016 Howell et al.
 2011/0049290 A1 3/2011 Seydoux et al.
 2011/0299732 A1 12/2011 Jonchery et al.
 2012/0241555 A1 9/2012 Savoye et al.
 2014/0374532 A1 12/2014 Duffy et al.
 2015/0148988 A1 5/2015 Fleck
 2015/0175258 A1 6/2015 Lee
 2016/0068266 A1 3/2016 Carroll

OTHER PUBLICATIONS

Hobbyking, Extra Large EPP Quadcopter Frame 450mm (835mm total width), <http://www.hobbyking.com>, at least as early as Feb. 10, 2014, 2 pages.
 Apple, Parrott AR.Drone 2.0 Power Edition Quadricopter, <http://store.apple.com>, at least as early as Feb. 10, 2014, 4 pages.

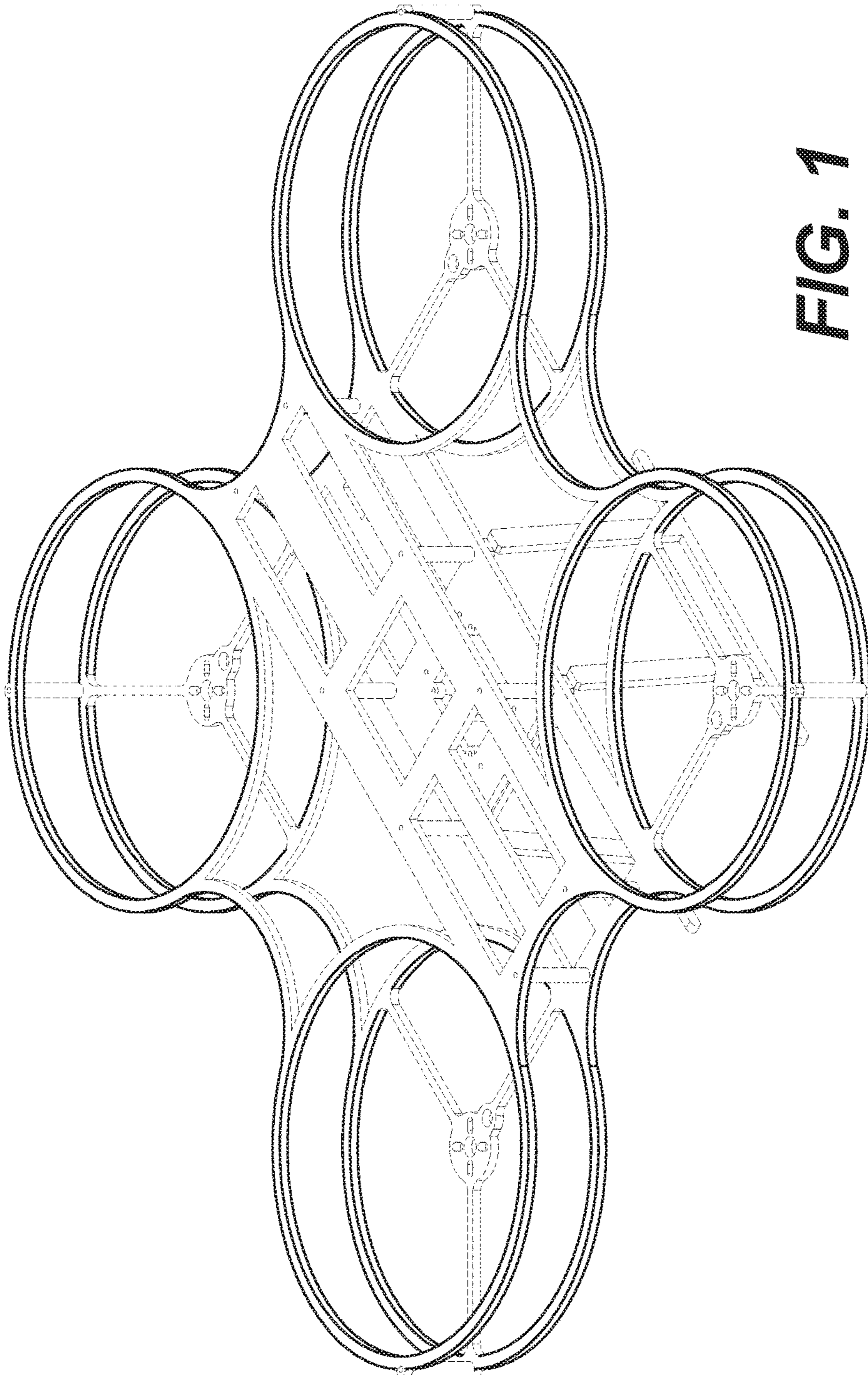


FIG. 1

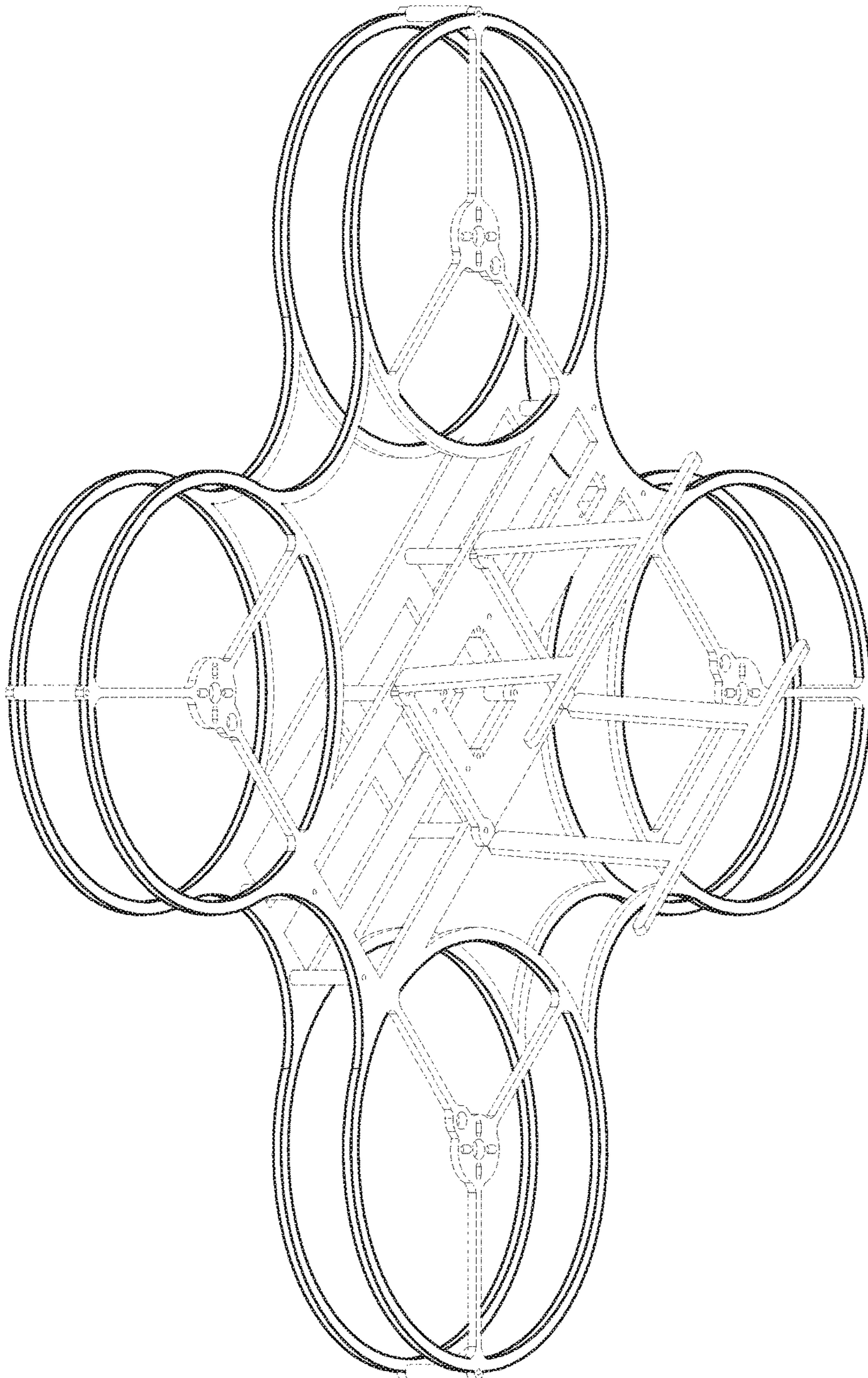


FIG. 2

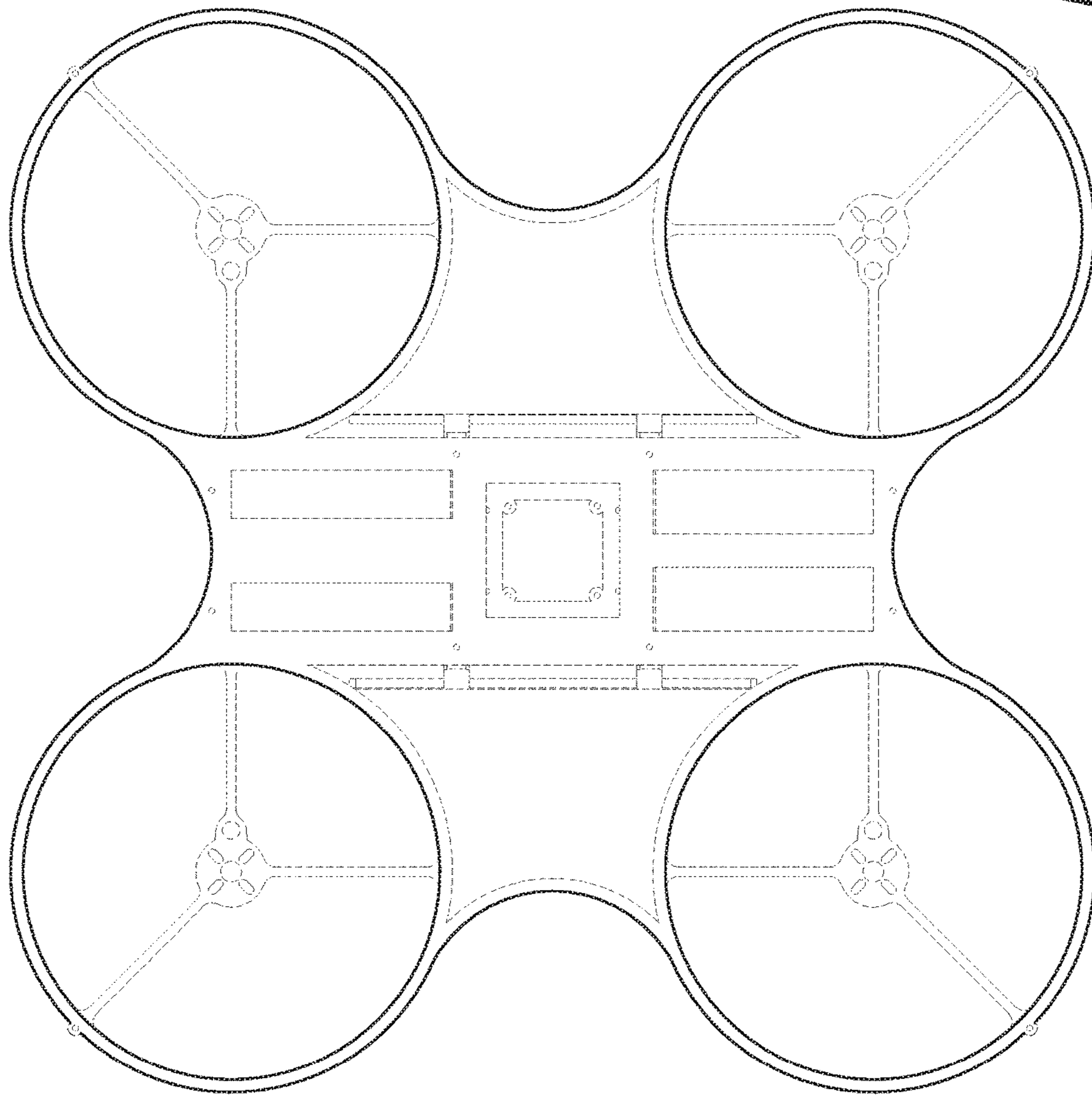


FIG. 3

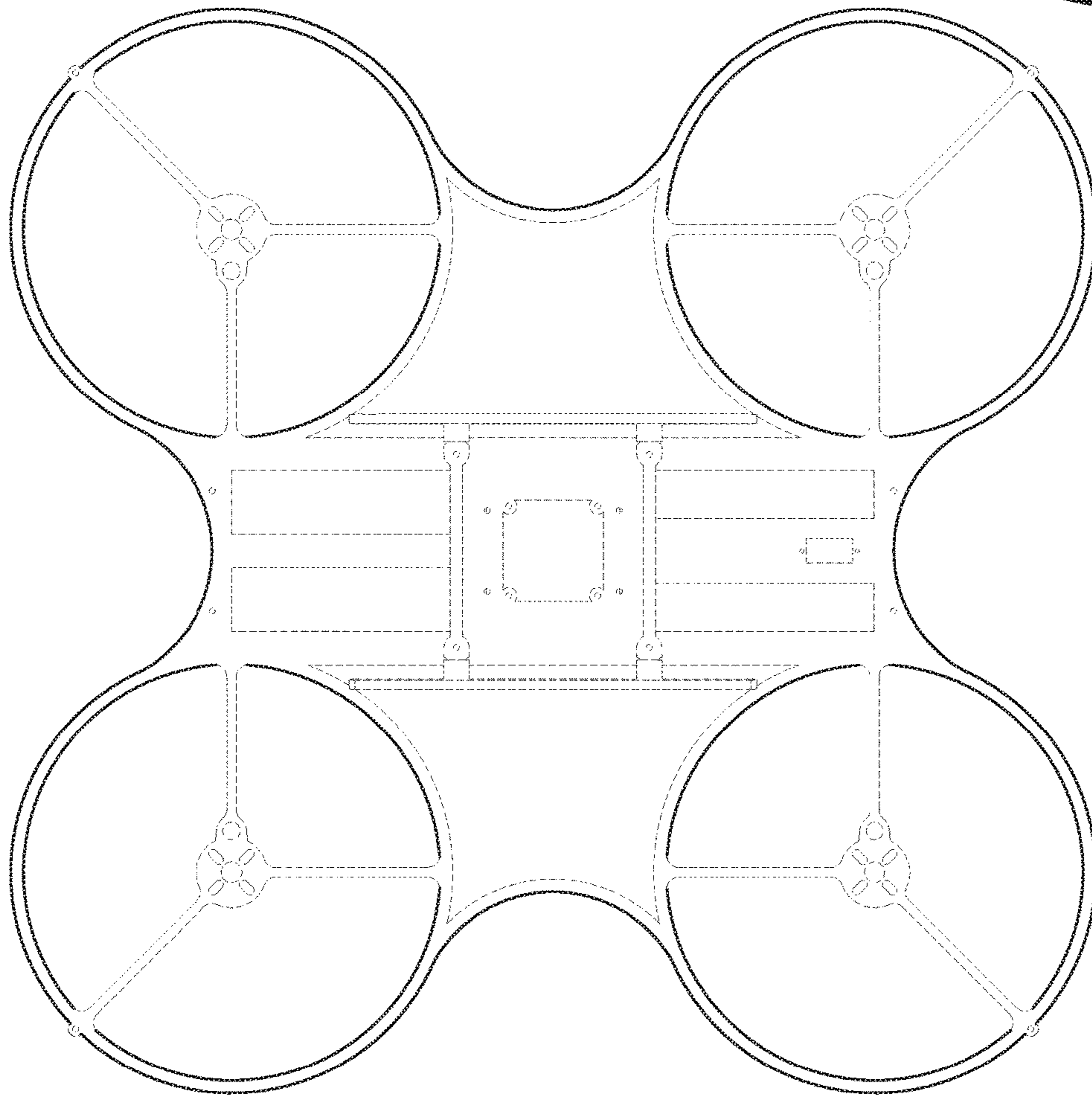


FIG. 4

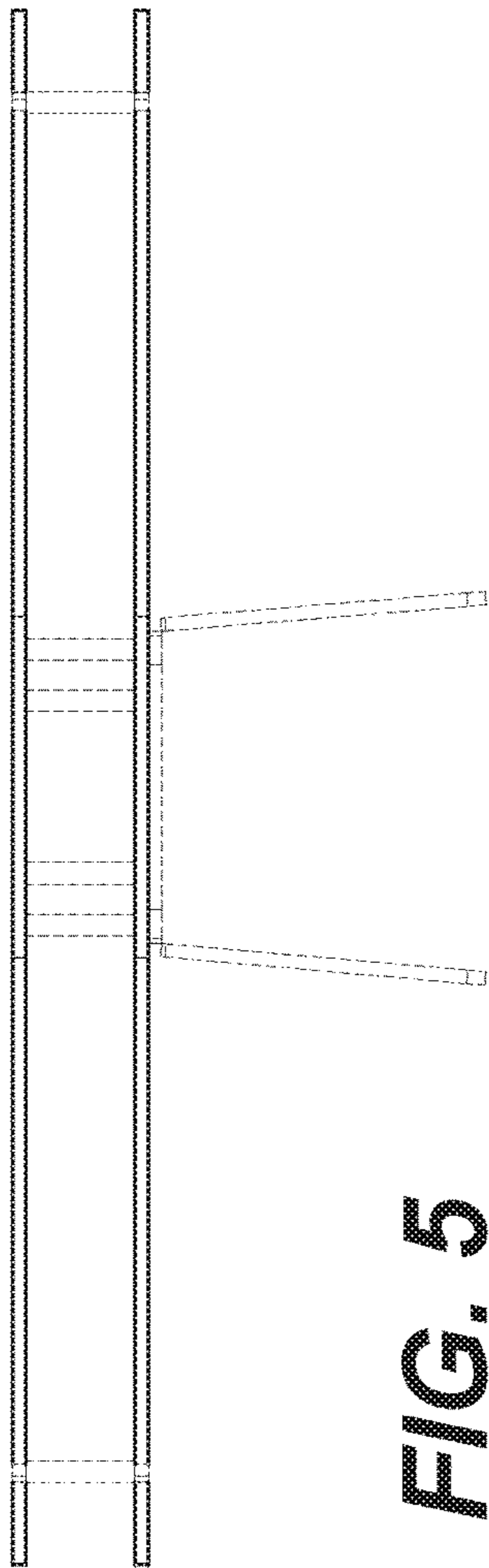


FIG. 5

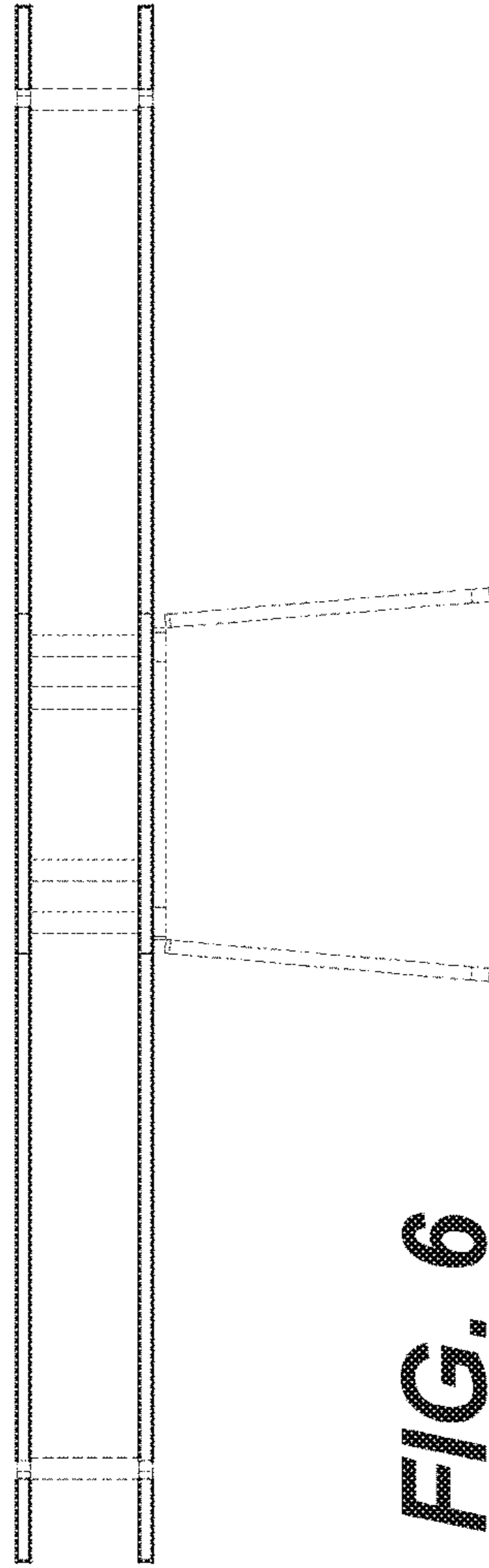


FIG. 6

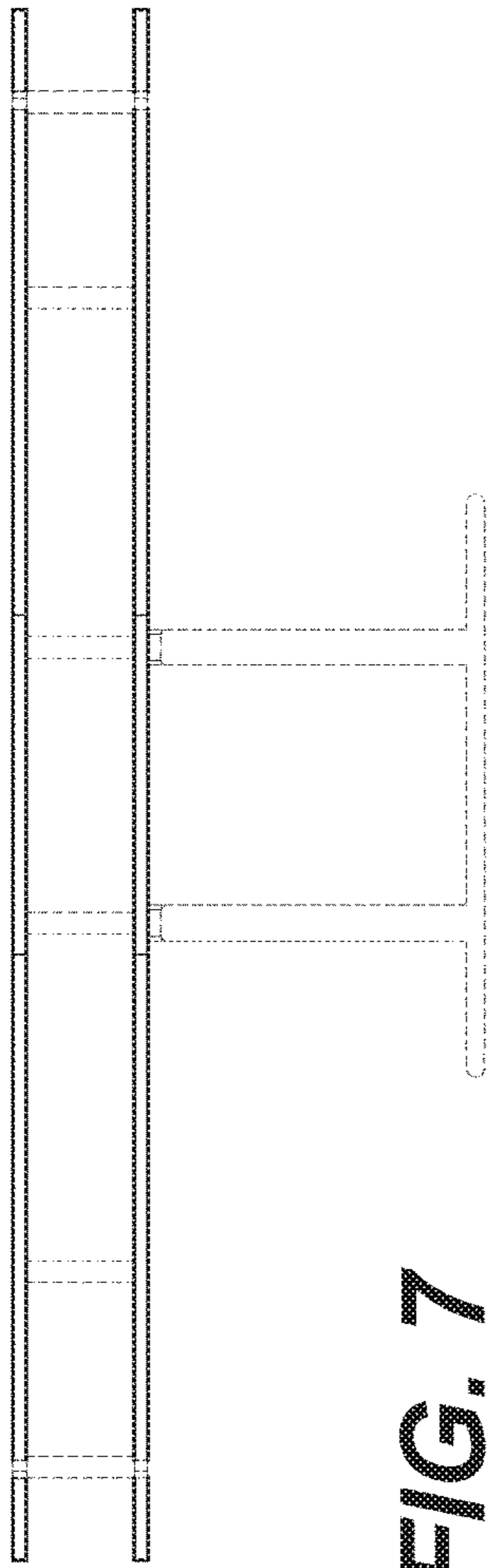


FIG. 7

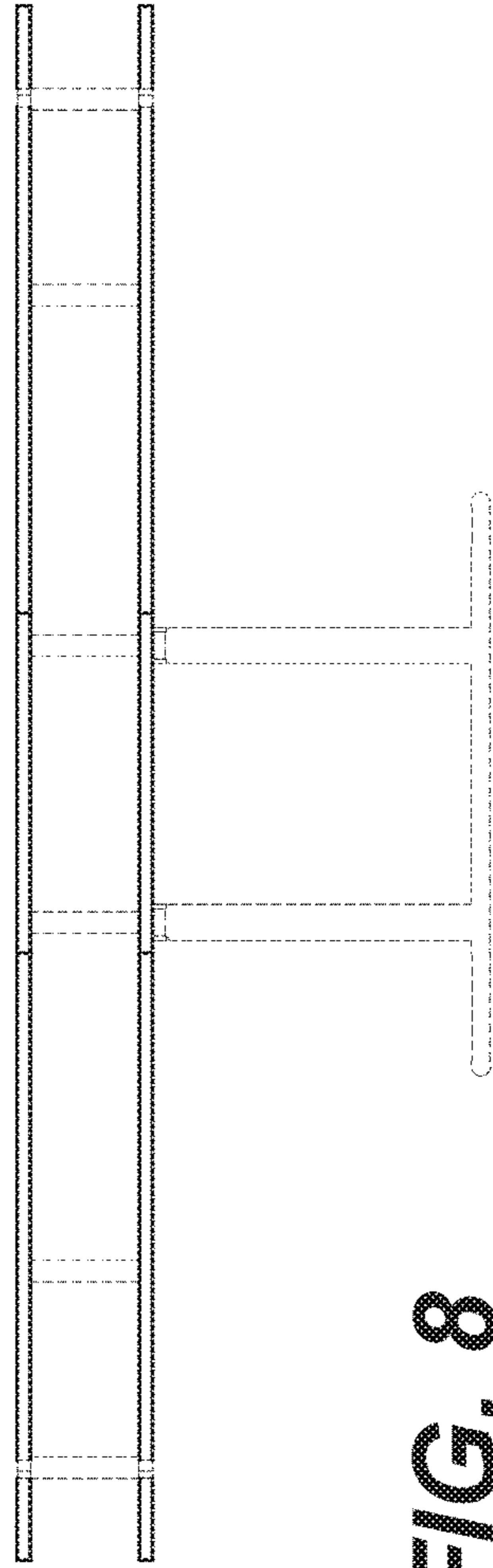


FIG. 8

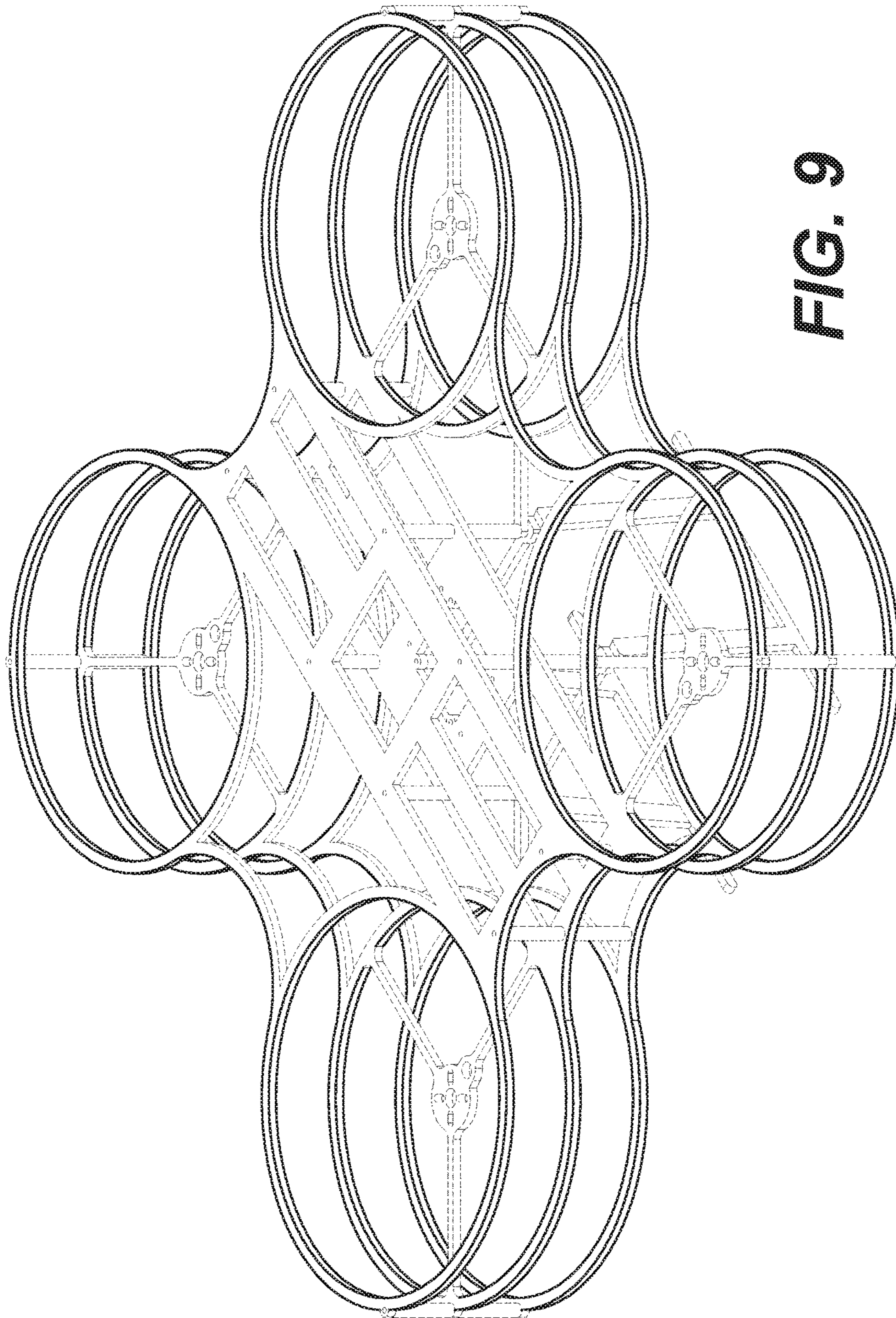


FIG. 9

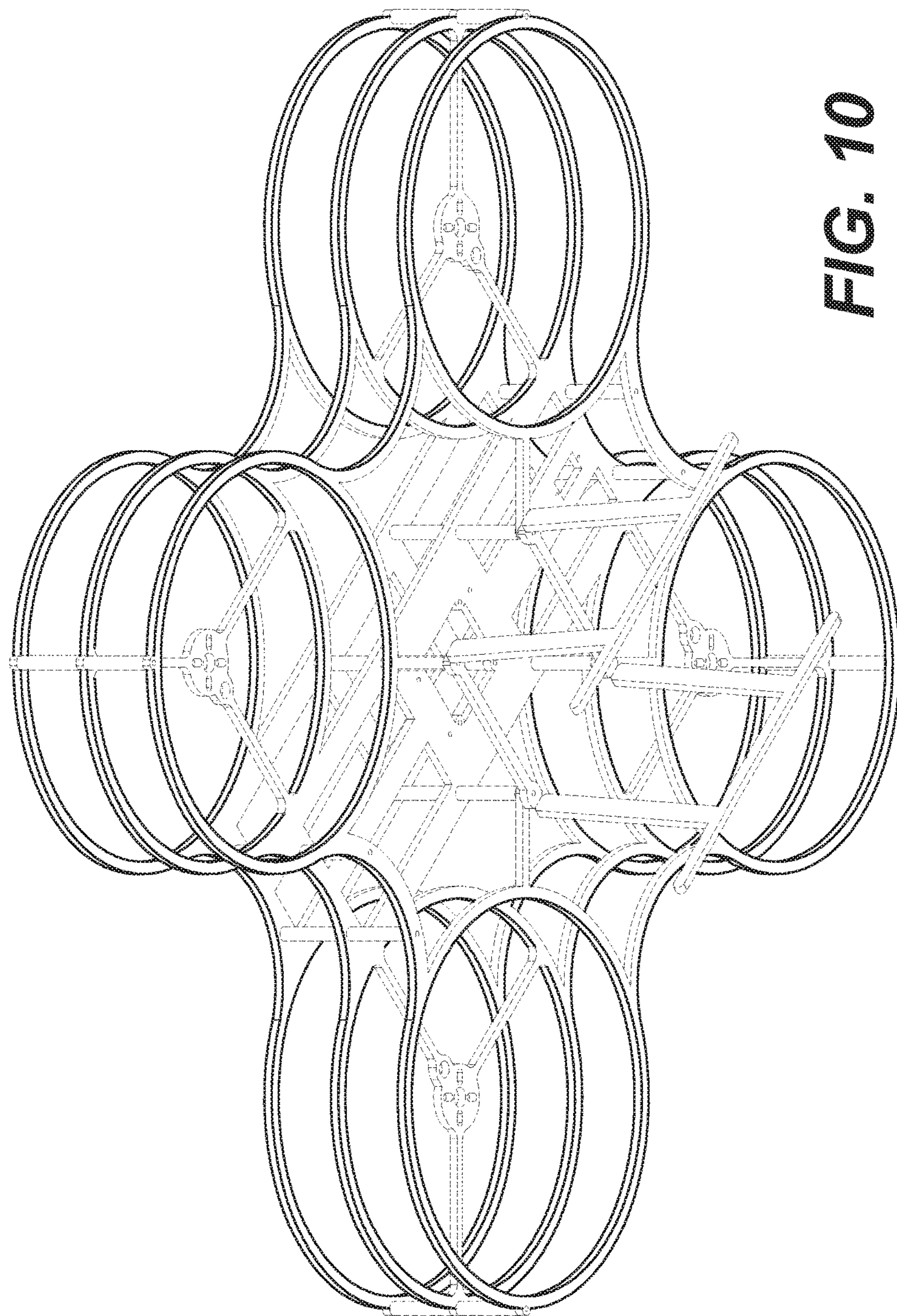


FIG. 10

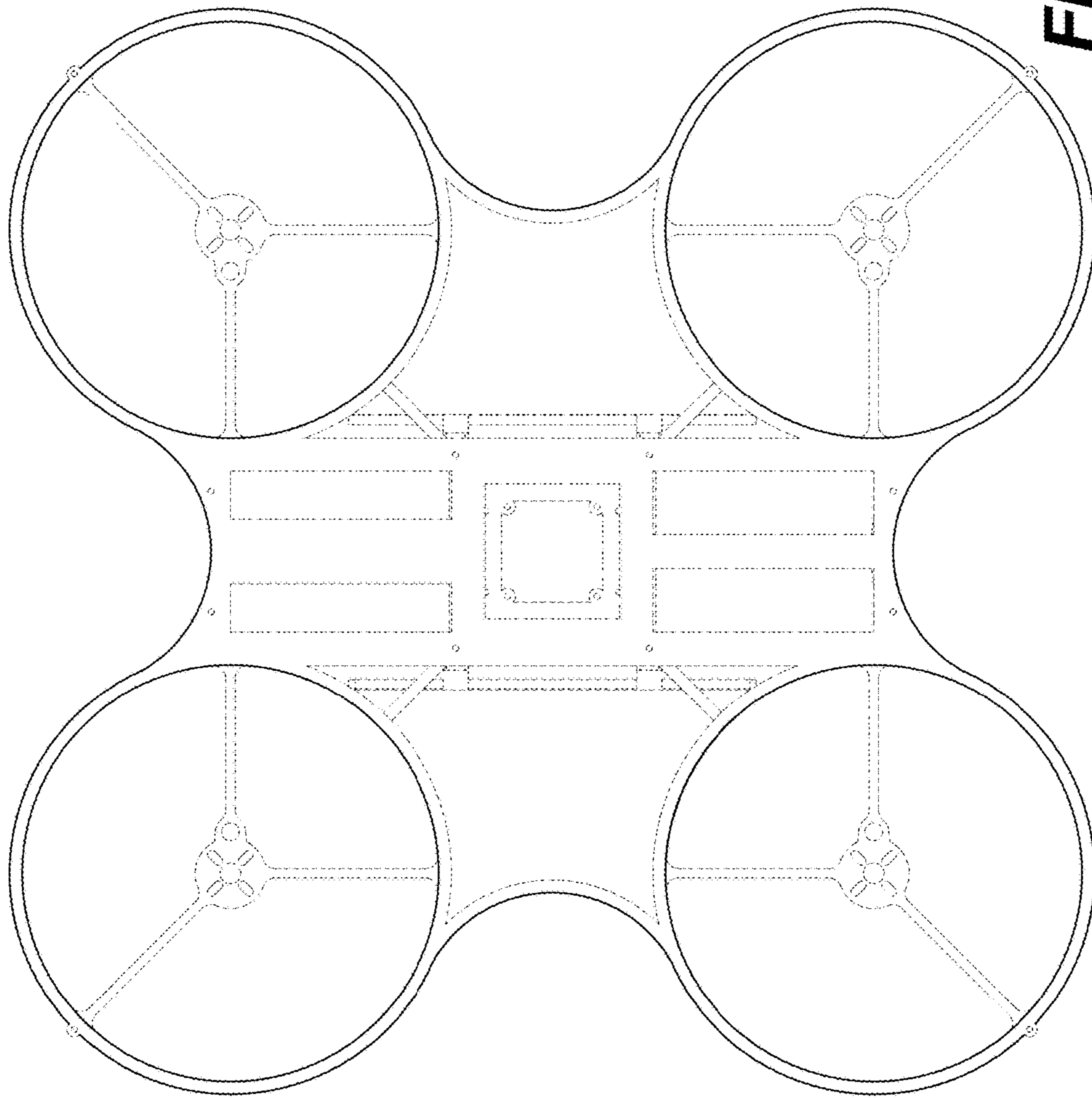


FIG. 11

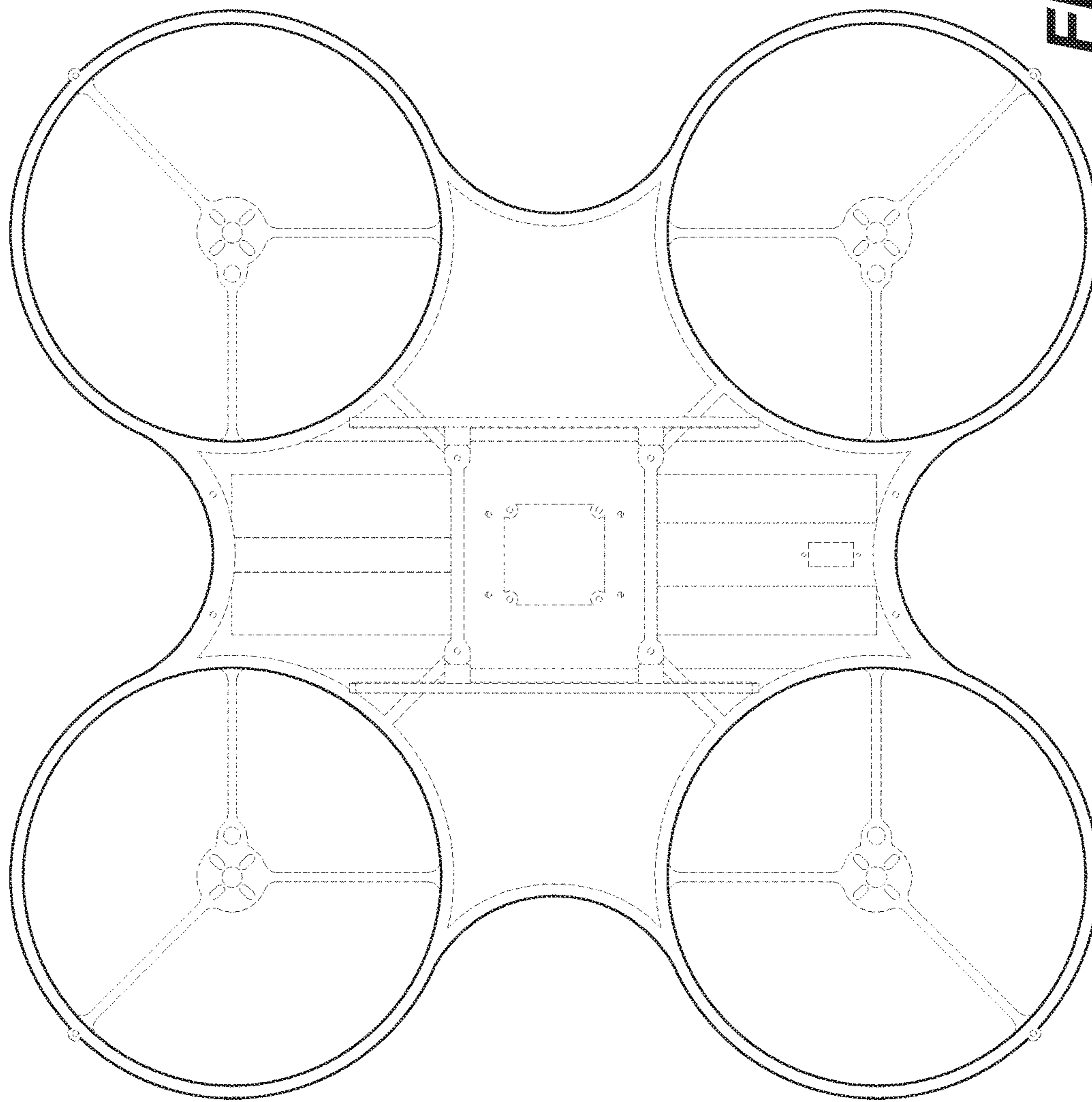


FIG. 12

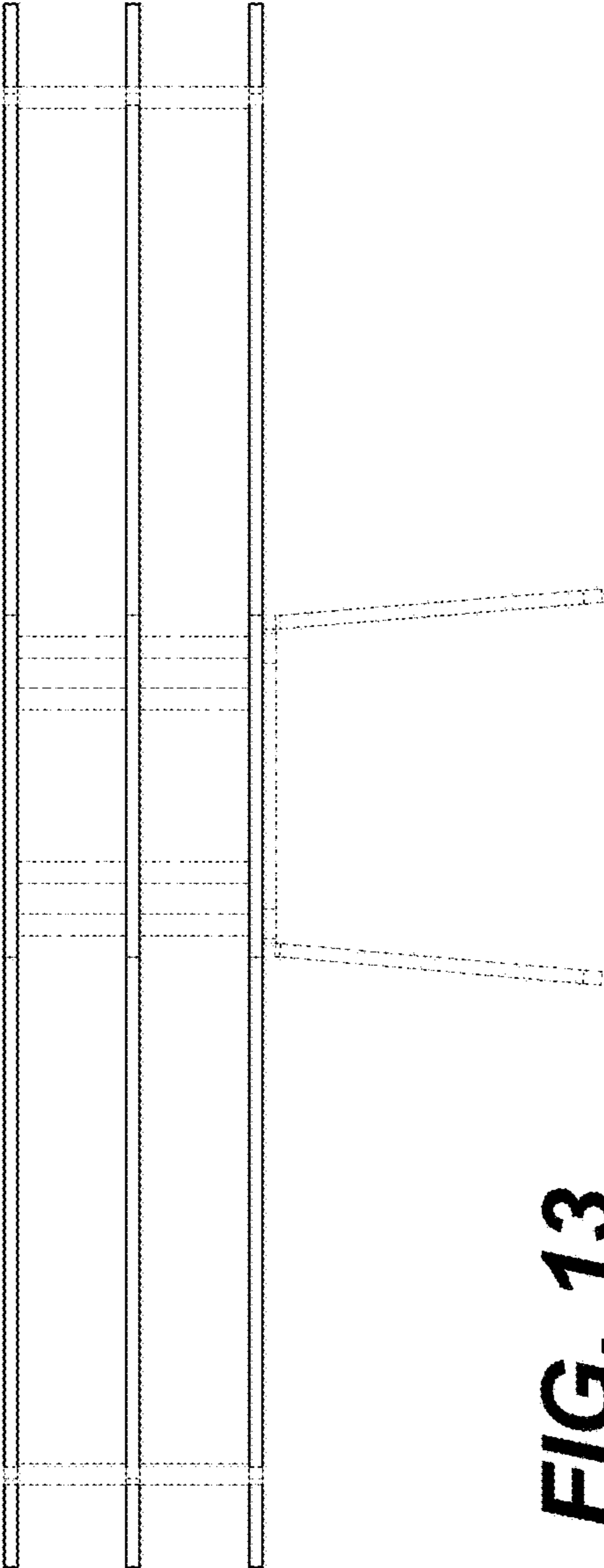


FIG. 13

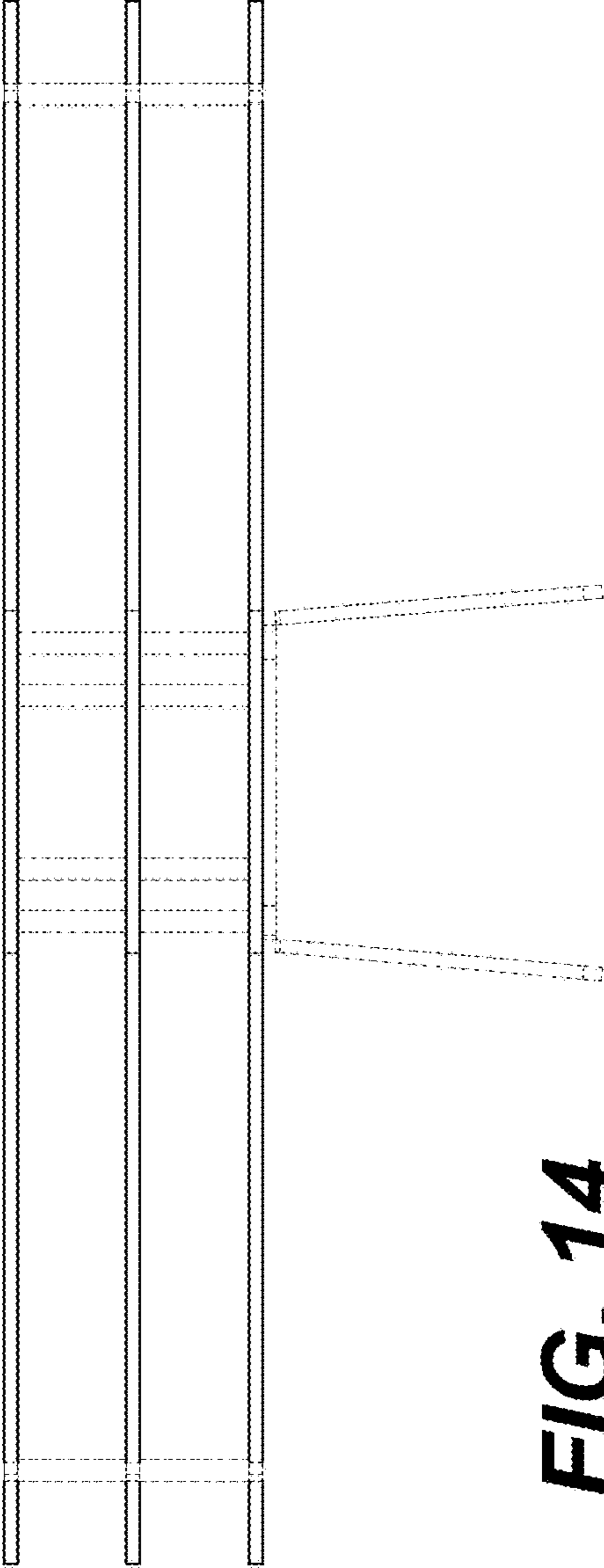


FIG. 14

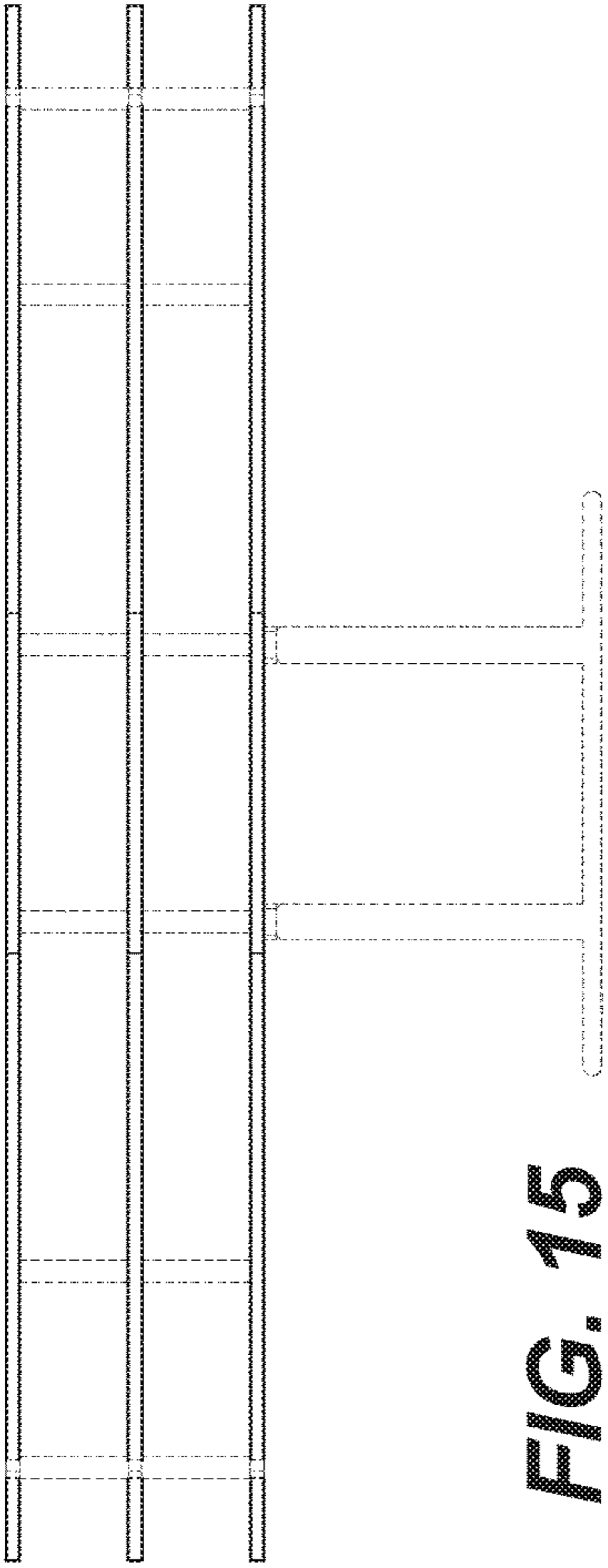


FIG. 15

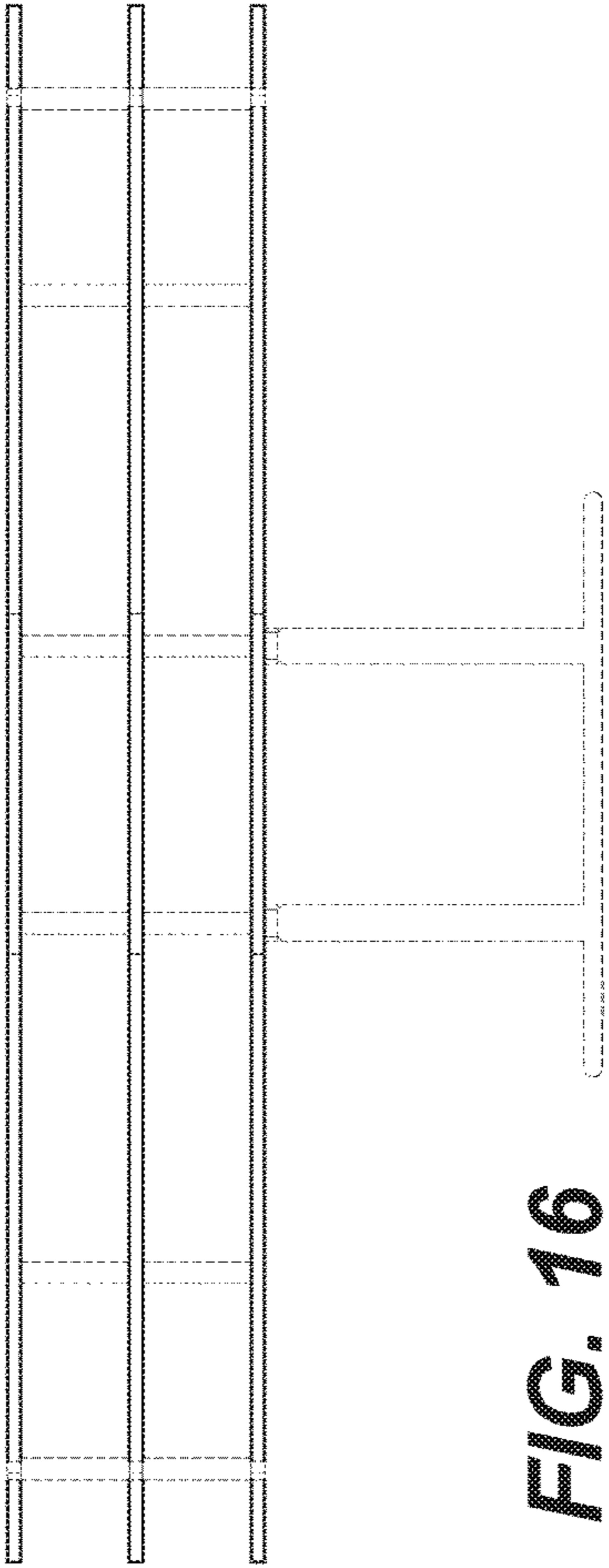


FIG. 16