



US00D787372S

(12) **United States Design Patent** (10) **Patent No.:** **US D787,372 S**
Ketcher (45) **Date of Patent:** **** May 23, 2017**

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

(71) Applicant: **Xray Airframe Design & Development, LLC**, Milwaukie, OR (US)

(72) Inventor: **Eric Ketcher**, Milwaukie, OR (US)

(73) Assignee: **Xray Airframe Design & Development, LLC**, Milwaukie, OR (US)

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.

(Continued)

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

(21) Appl. No.: **29/569,481**

(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
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

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

OTHER PUBLICATIONS

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

(Continued)

Primary Examiner — Cynthia Ramirez

Assistant Examiner — Gino Colan

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

(57) **CLAIM**

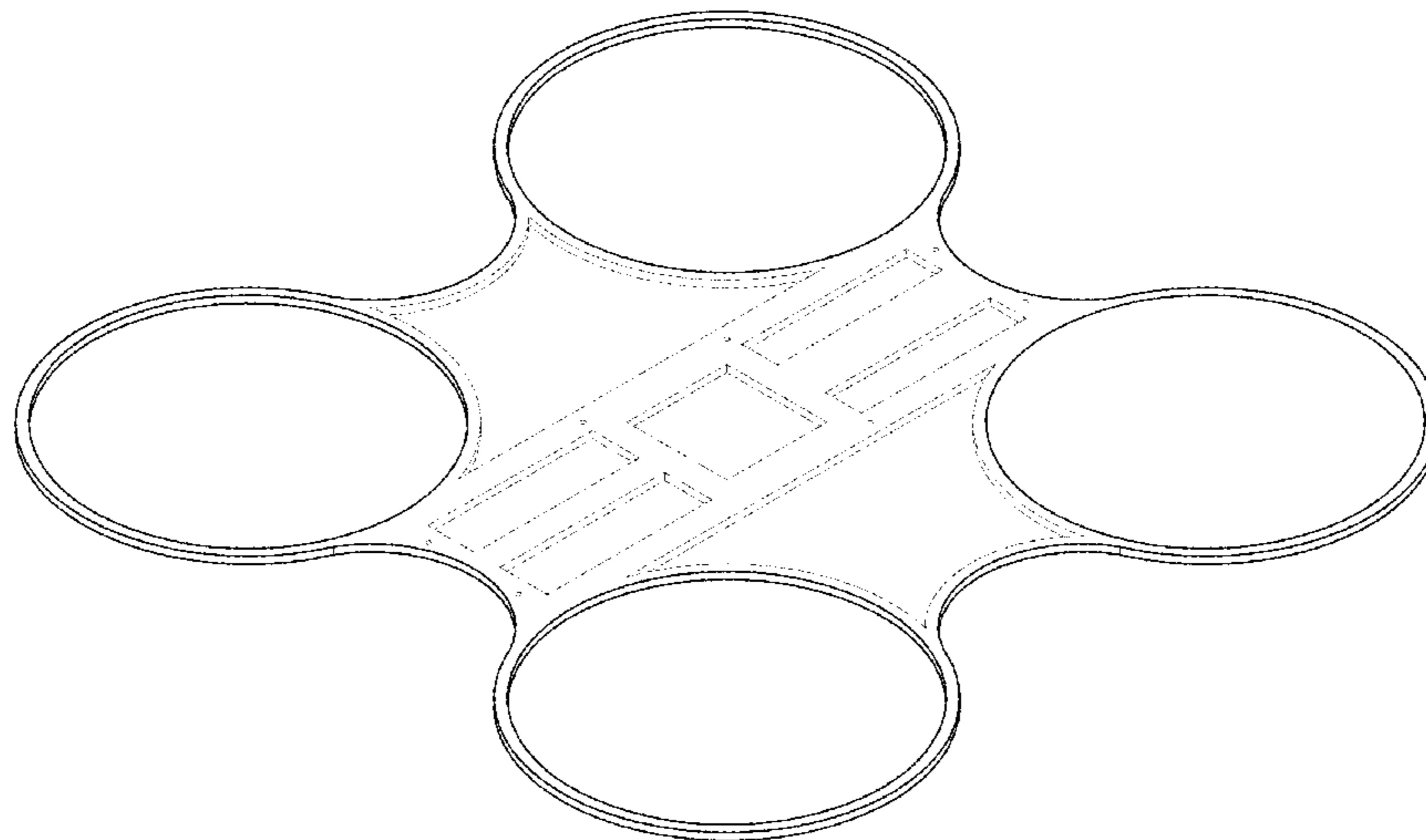
The ornamental design for a drone system component including rings, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a drone system component including rings showing my new design; and, FIG. 2 is a top plan view thereof, the bottom plan view not being visible and/or not being claimed herein.

The broken lines shown in the figures are included 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, 2 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

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.

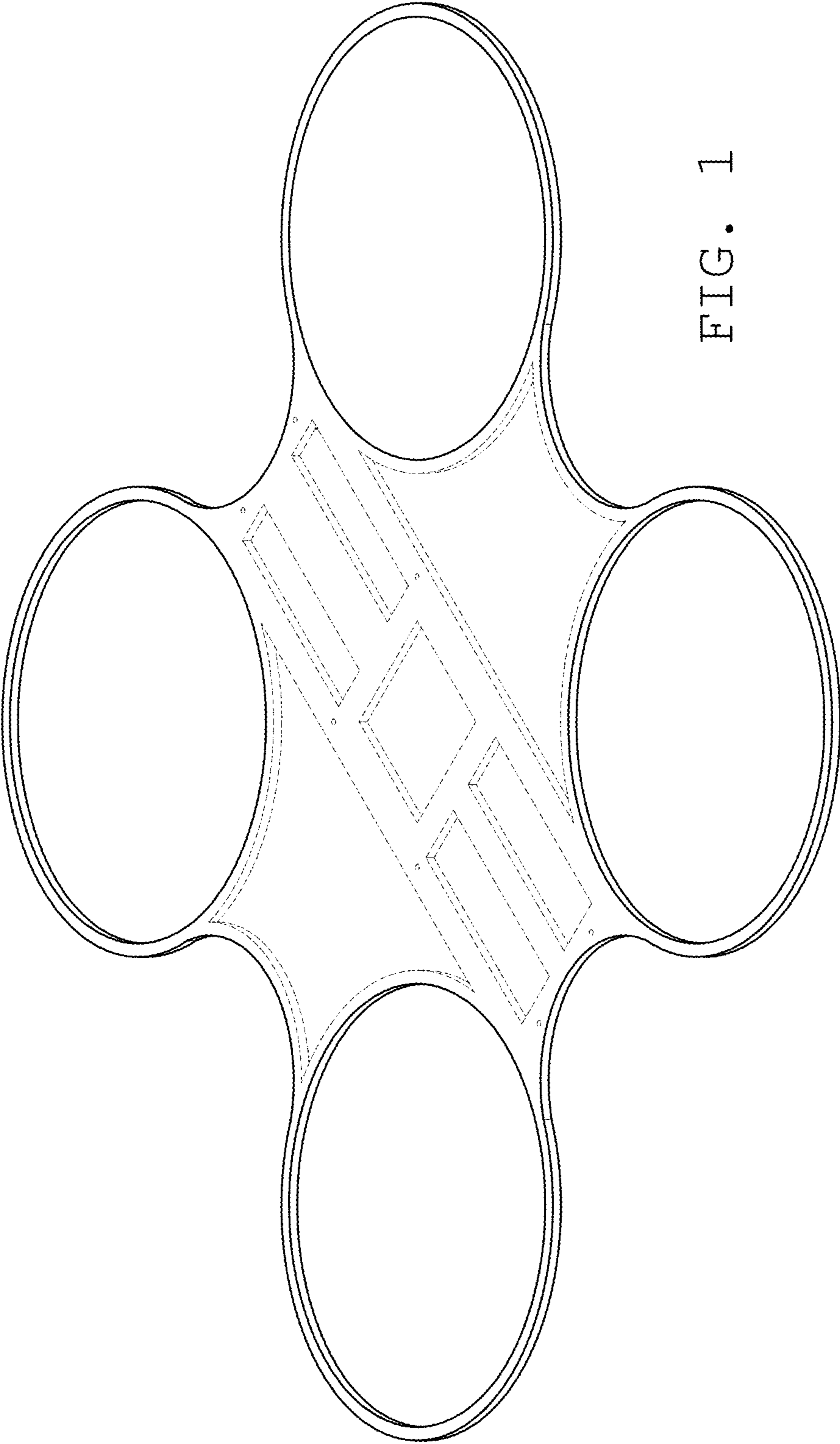


FIG. 1

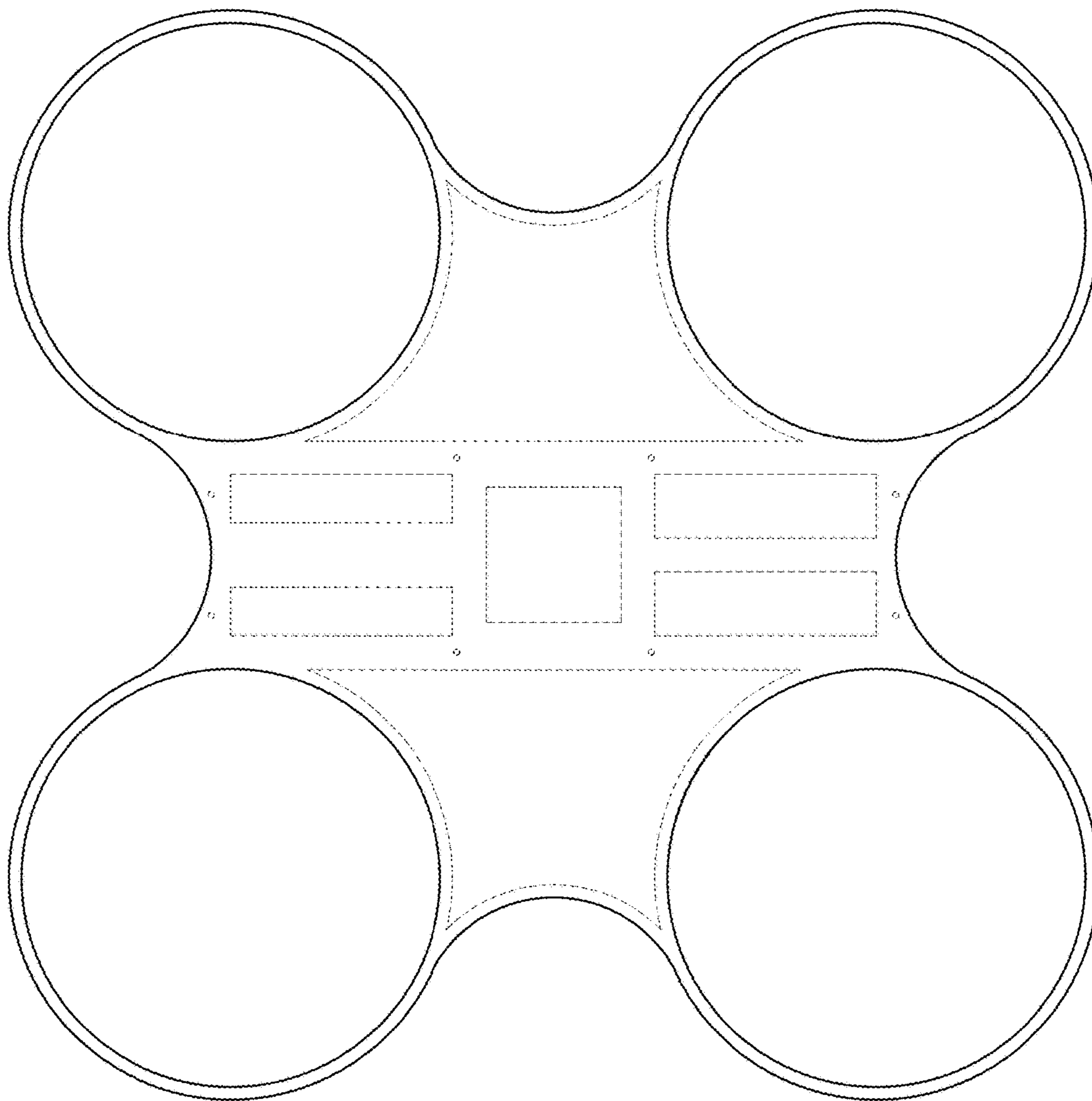


FIG. 2

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D787,372 S
APPLICATION NO. : 29/569481
DATED : May 23, 2017
INVENTOR(S) : Eric Ketcher

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

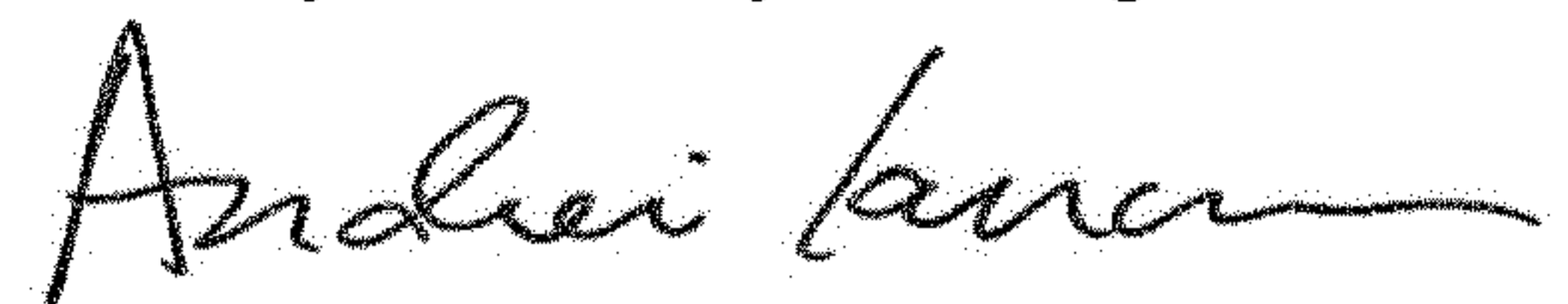
On the Title Page

Delete the title page and substitute therefore with the attached title page consisting of the corrected illustrative figure.

In the Drawings

FIG. 1 should be replaced as attached.

Signed and Sealed this
Twenty-first Day of August, 2018



Andrei Iancu
Director of the United States Patent and Trademark Office

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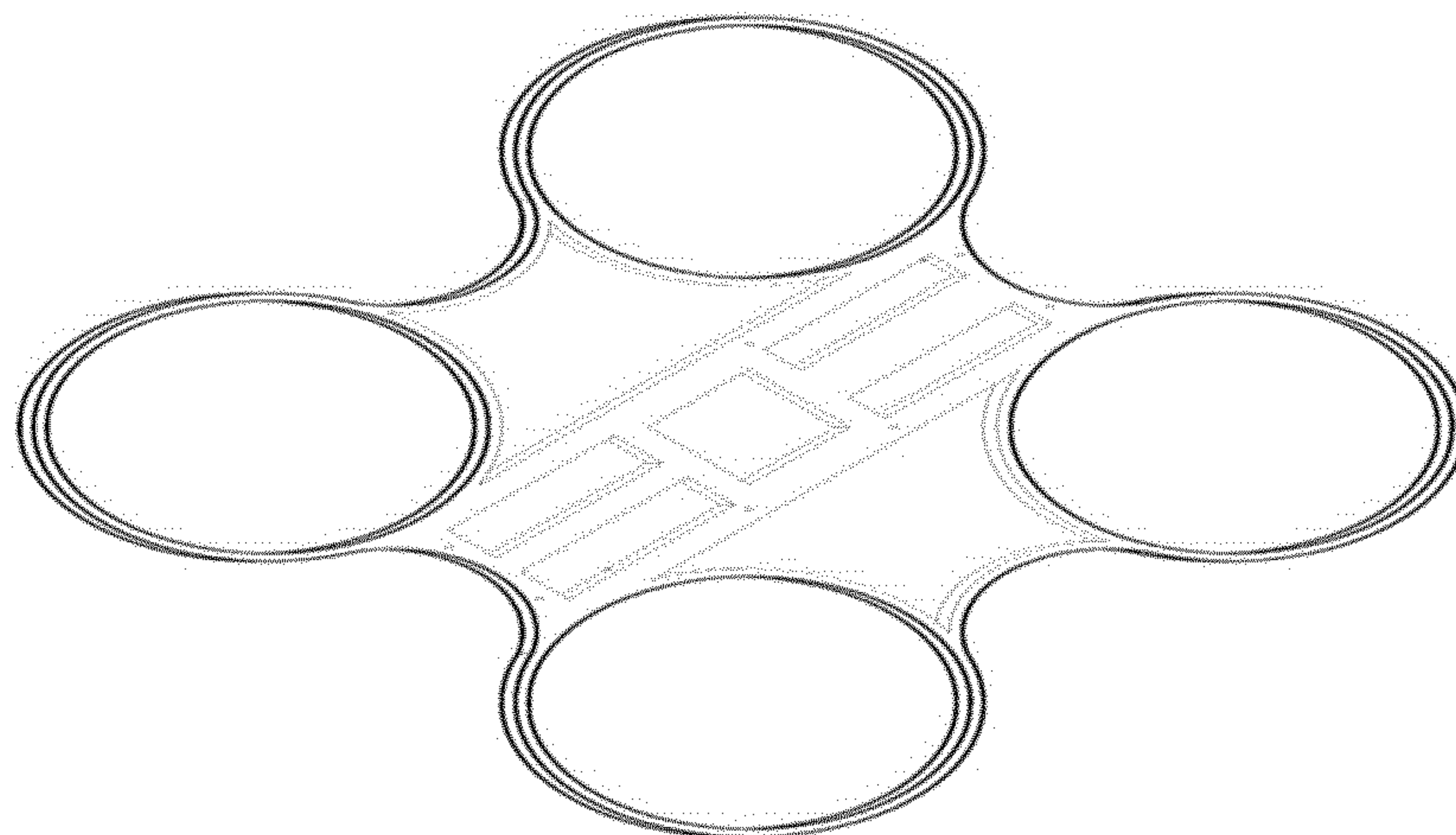
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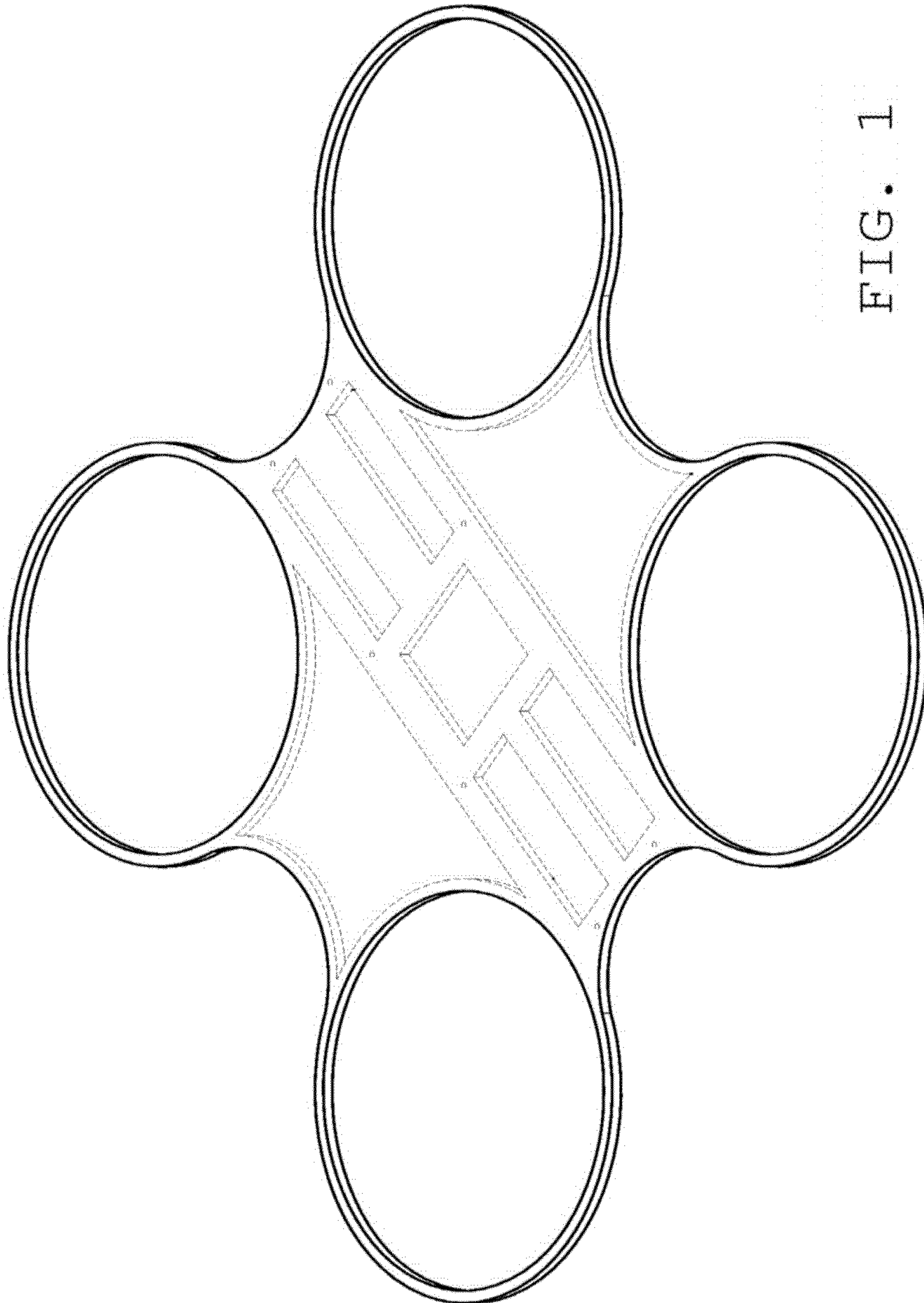


FIG. 1