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

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(54) **CLOSED WING AIRCRAFT**

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(73) Assignee: **BELL HELICOPTER TEXTRON INC.**, Fort Worth, TX (US)

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

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

(52) **U.S. Cl.**
USPC **D12/328**; D21/441; D12/345

(58) **Field of Classification Search**
USPC D12/16.1, 319-324, 326-345; D21/436, D21/441, 443, 444, 446, 447, 448, 449, D21/450, 451, 452, 453

(Continued)

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Assistant Examiner — Marissa J Cash

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(57) **CLAIM**

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

DESCRIPTION

This application is related to the following application filed concurrently herewith: “Ring Wing and Spokes for Closed Wing Aircraft” and “Sinusoidal Circular Wing and Spokes for a Closed Wing Aircraft”.

FIG. 1 is a perspective view of a closed wing aircraft having equally spaced winglets on the fuselage in which all the rotors are deployed;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right side elevation view thereof;

FIG. 5 is a left side elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is a perspective view of a closed wing aircraft having equally spaced winglets on the fuselage in which the rotors on the spokes are deployed and the rotors on the closed wing are folded forward;

FIG. 9 is a front elevation view thereof;

FIG. 10 is a rear elevation view thereof;

FIG. 11 is a right side elevation view thereof;

FIG. 12 is a left side elevation view thereof;

FIG. 13 is a top plan view thereof;

FIG. 14 is a bottom plan view thereof;

FIG. 15 is a perspective view of a closed wing aircraft having unequally spaced winglets on the fuselage in which all the rotors are deployed;

FIG. 16 is a front elevation view thereof;

FIG. 17 is a rear elevation view thereof;

FIG. 18 is a right side elevation view thereof;

FIG. 19 is a left side elevation view thereof;

FIG. 20 is a top plan view thereof;

FIG. 21 is a bottom plan view thereof;

FIG. 22 is a perspective view of a closed wing aircraft having unequally spaced winglets on the fuselage in which the rotors on the spokes are deployed and the rotors on the closed wing are folded forward;

FIG. 23 is a front elevation view thereof;

FIG. 24 is a rear elevation view thereof;

(Continued)

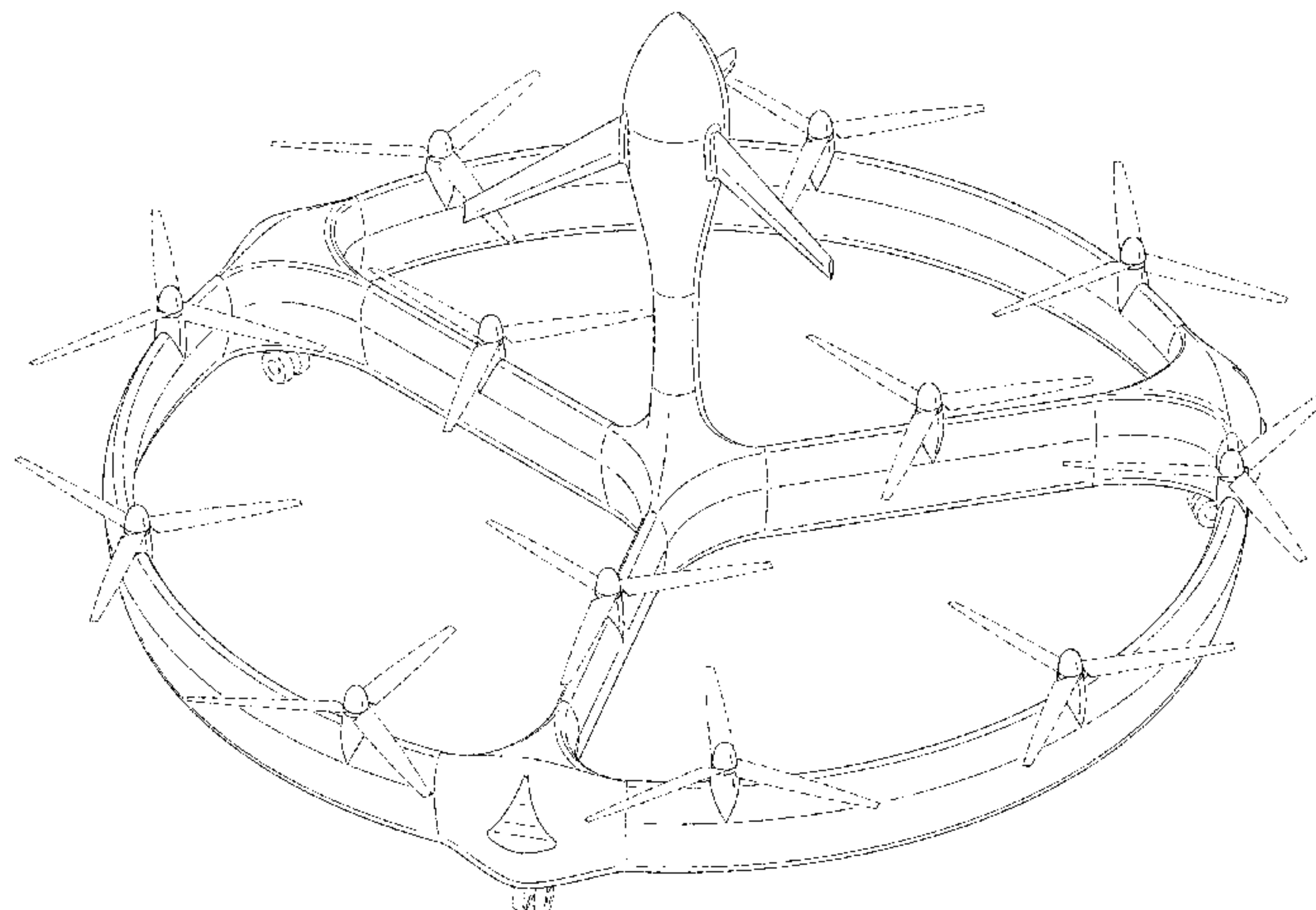


FIG. 25 is a right side elevation view thereof;
 FIG. 26 is a left side elevation view thereof;
 FIG. 27 is a top plan view thereof; and,
 FIG. 28 is a bottom plan view thereof.
 In the drawings, the evenly-spaced broken line showing of
 the rotors and landing gear depicts environment and forms
 no part of the claim; the dash-dot-dot-dash lines represent
 boundaries of the claimed design and form no part thereof.

1 Claim, 28 Drawing Sheets

(58) **Field of Classification Search**

CPC B64C 1/062; B64C 39/024; B64C 27/08;
 B64C 29/00; B64C 39/00; B64C 23/00;
 B64C 27/20

See application file for complete search history.

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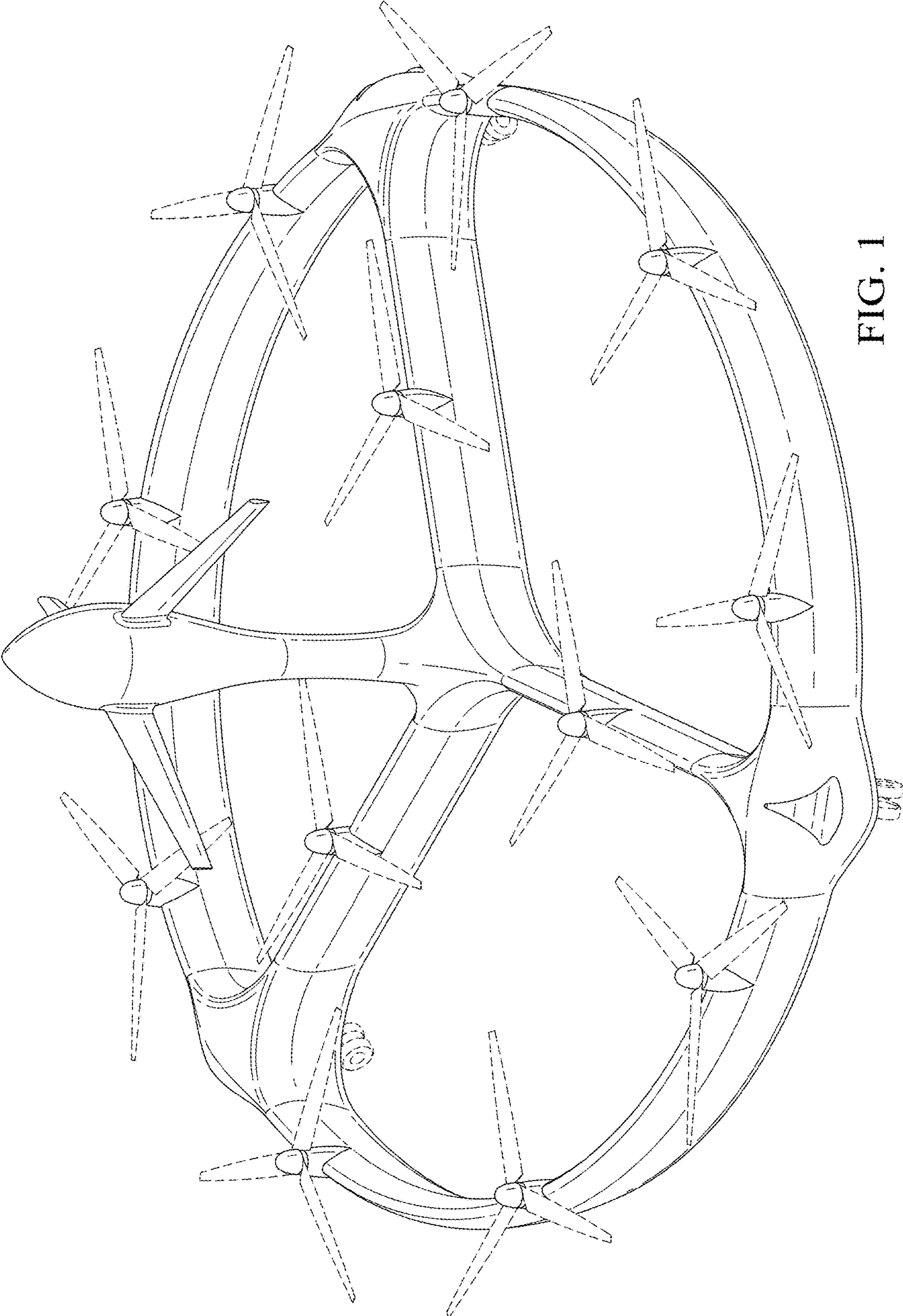


FIG. 1

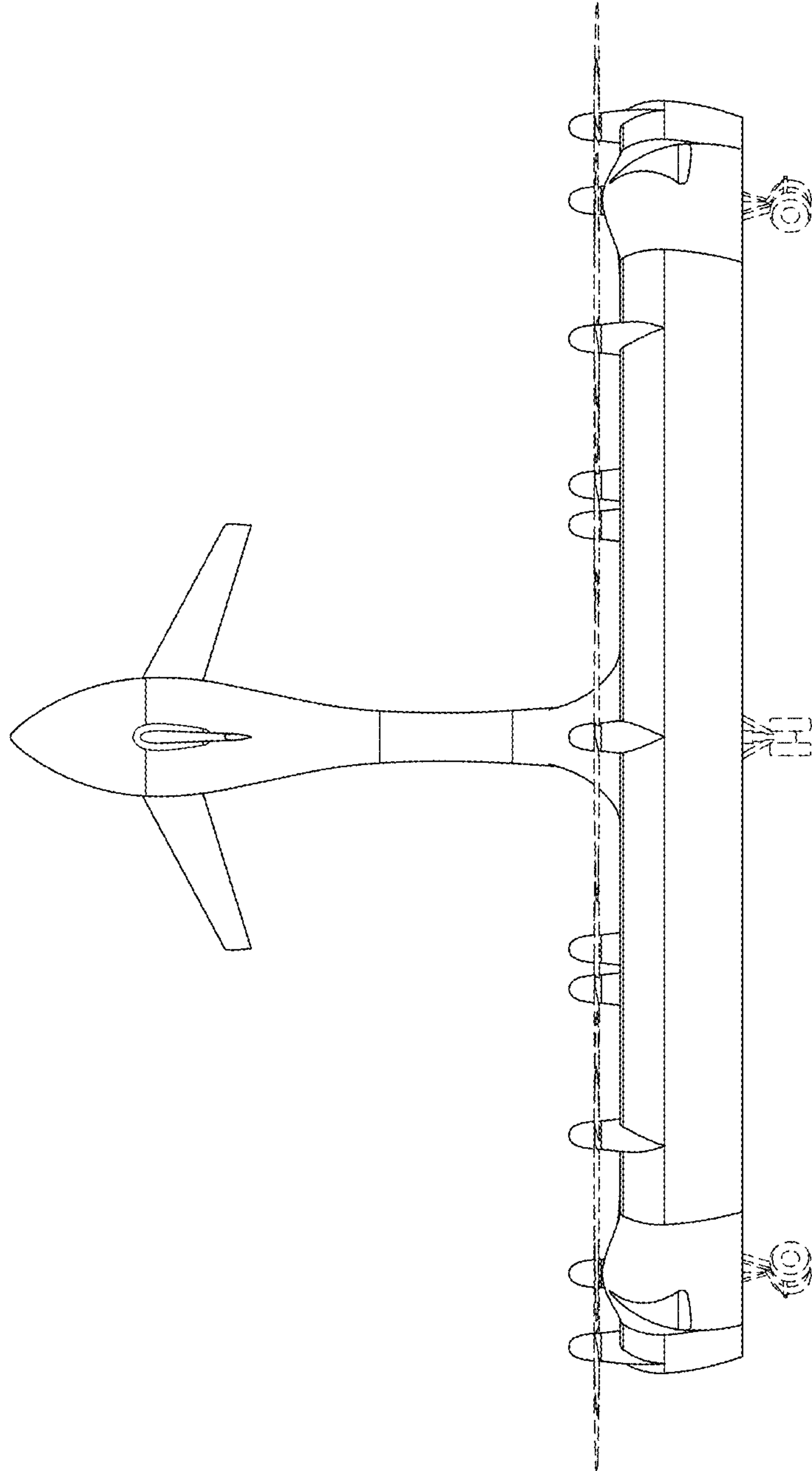


FIG. 2

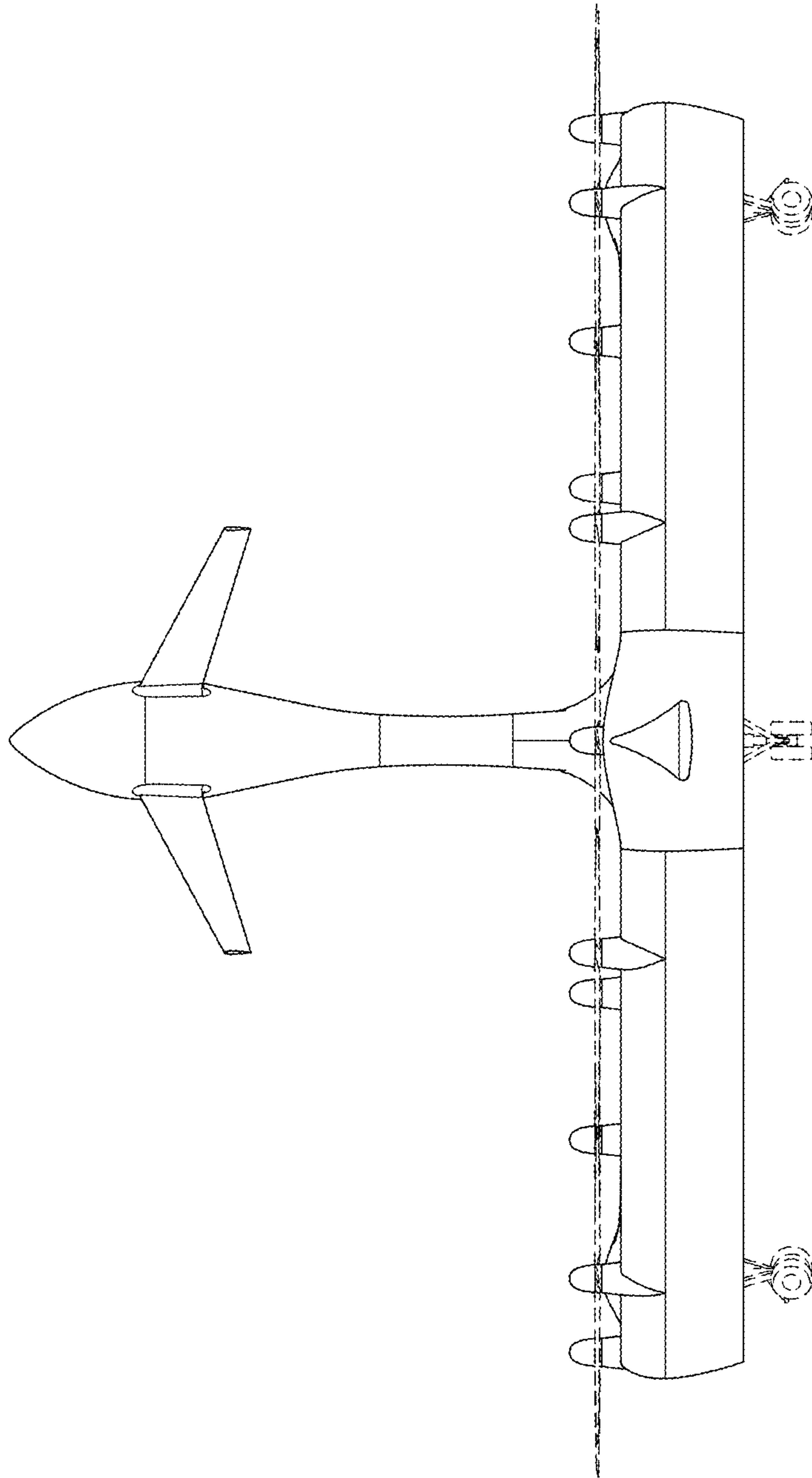


FIG. 3

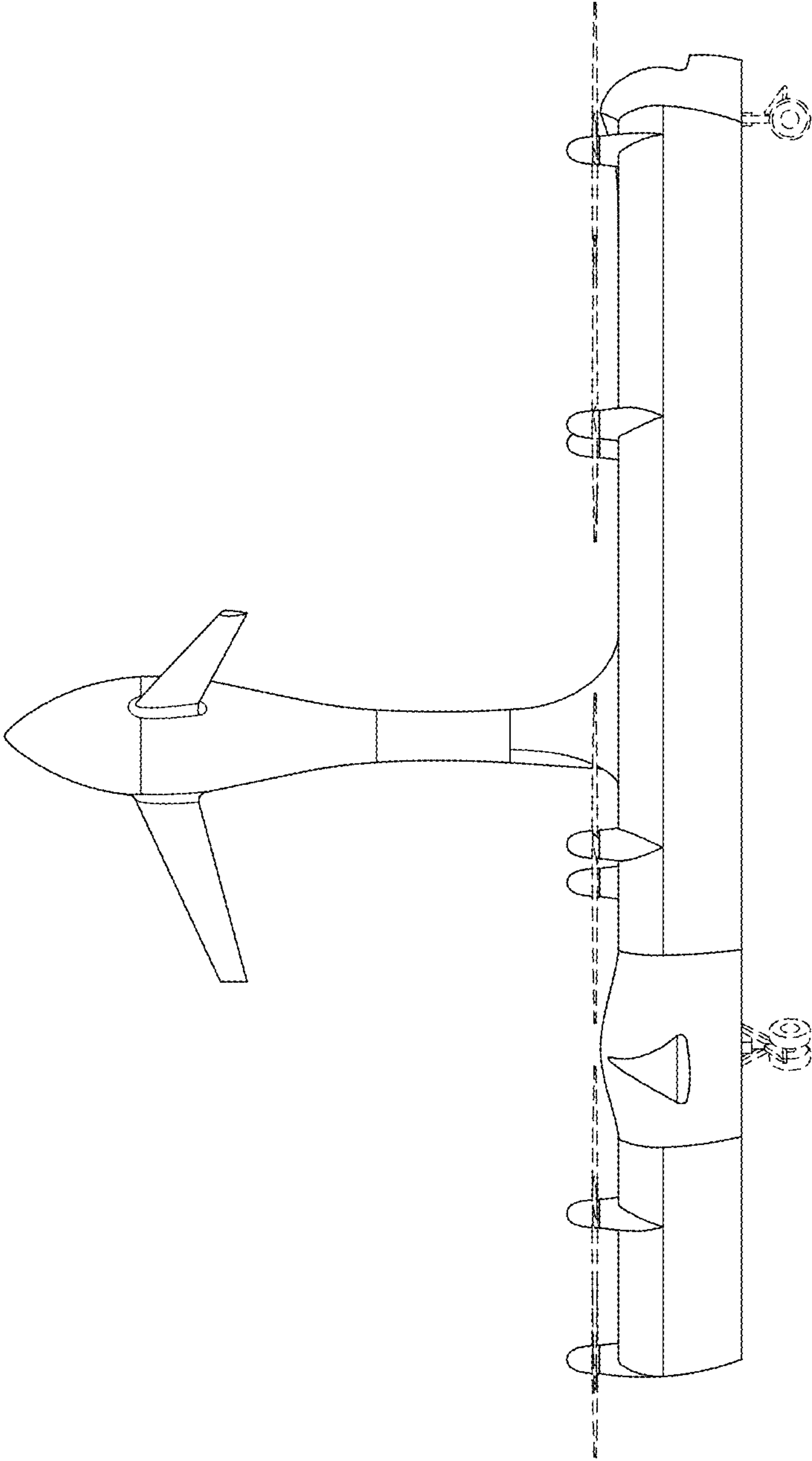


FIG. 4

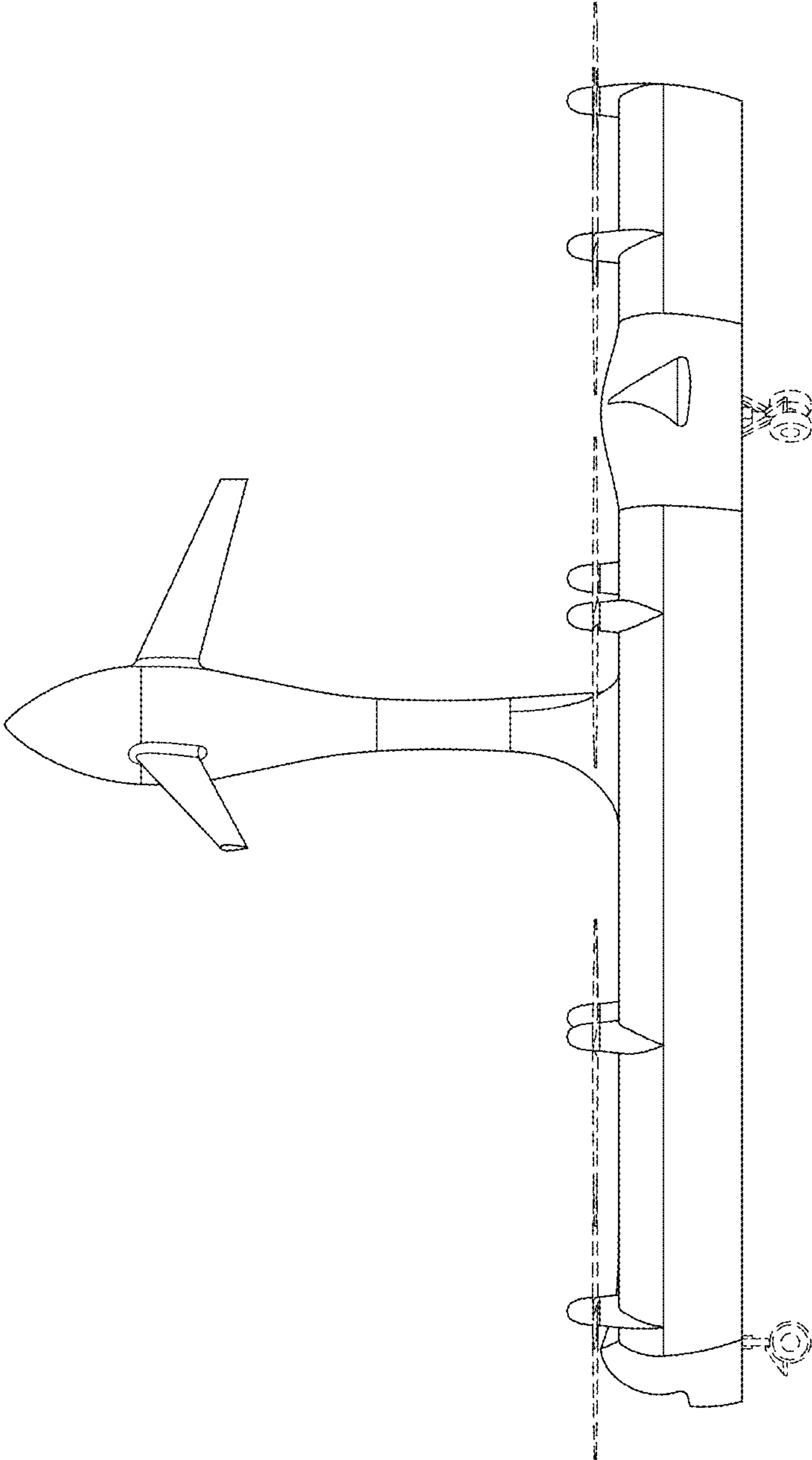


FIG. 5

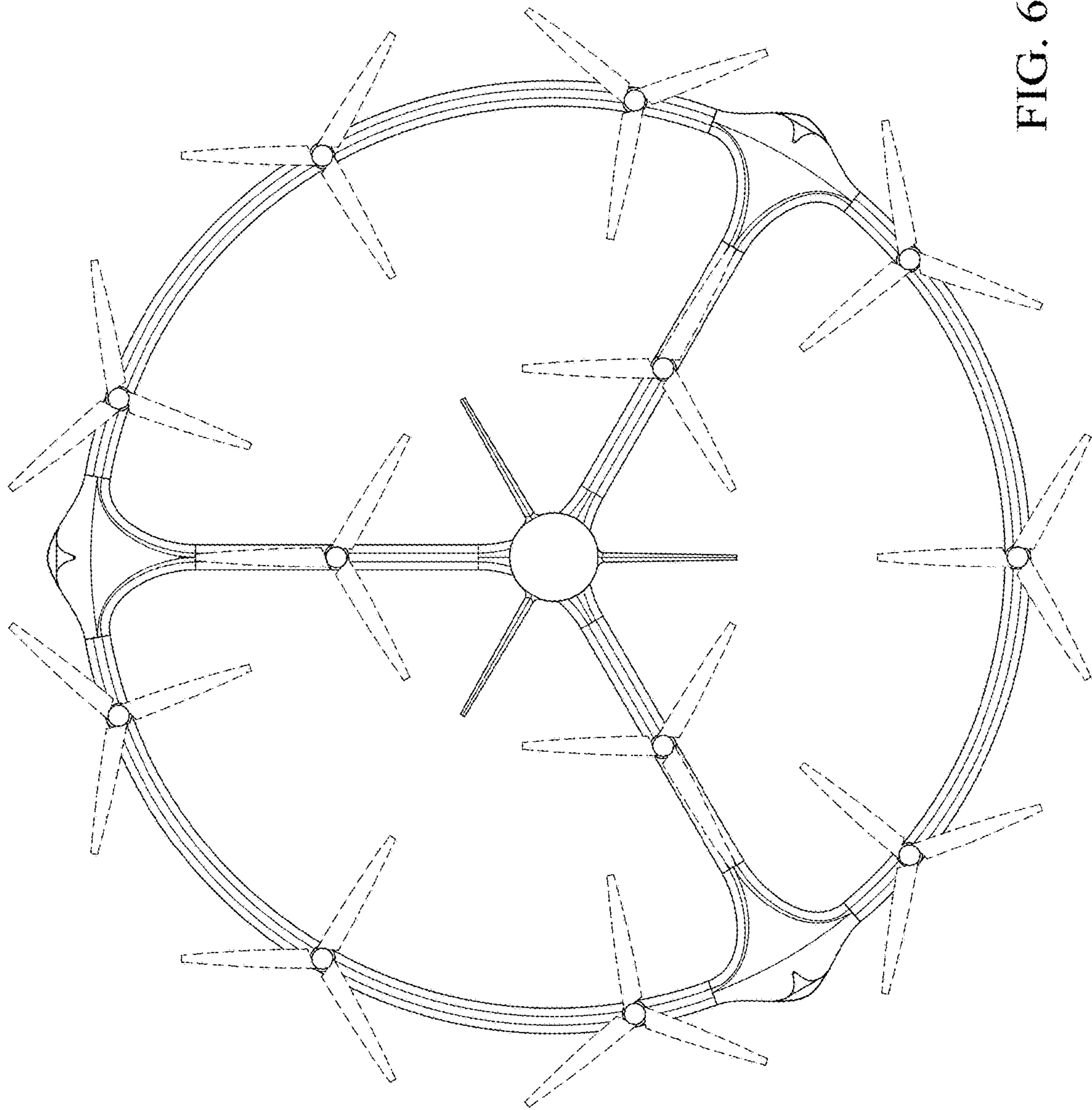


FIG. 6

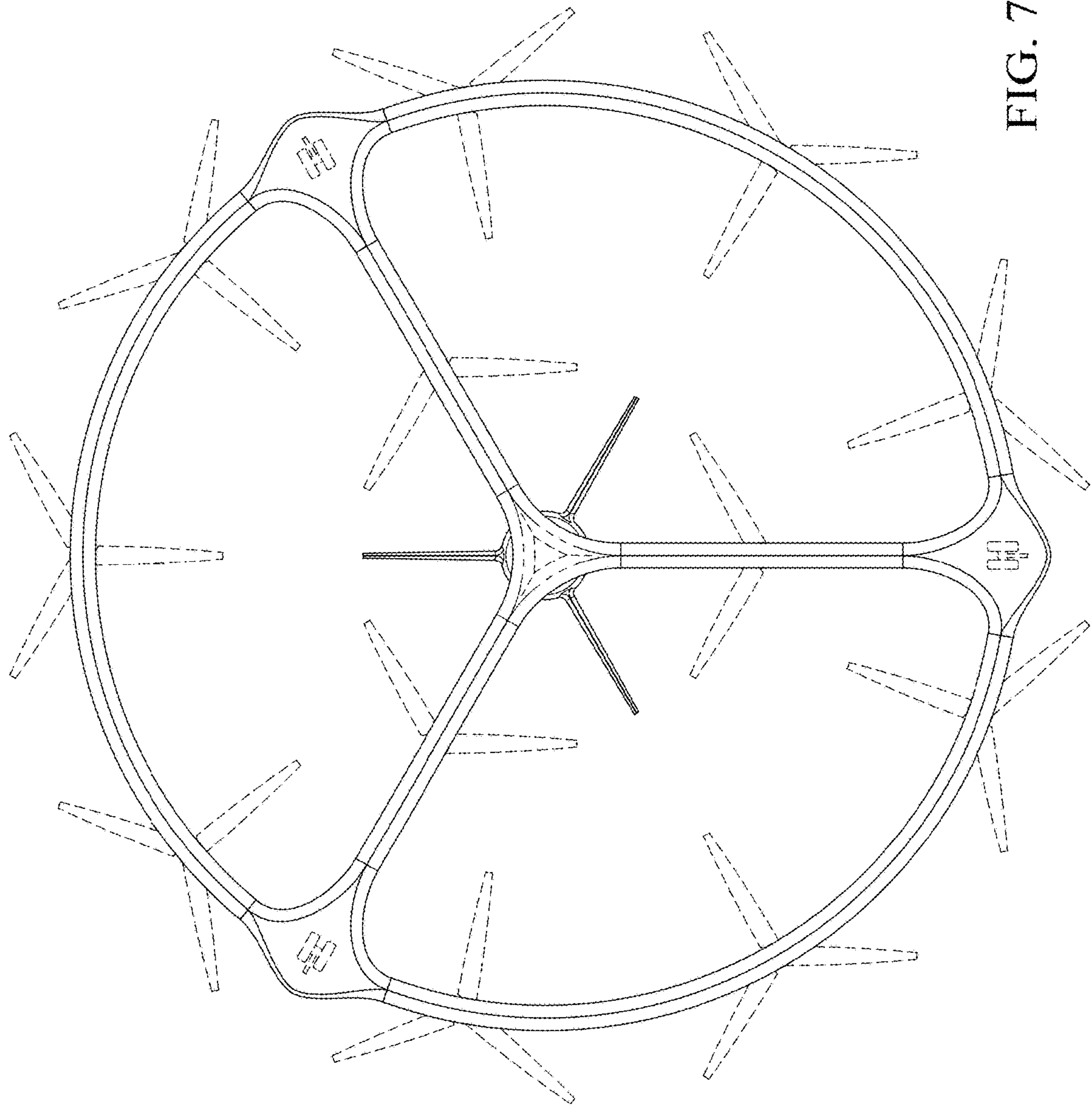


FIG. 7

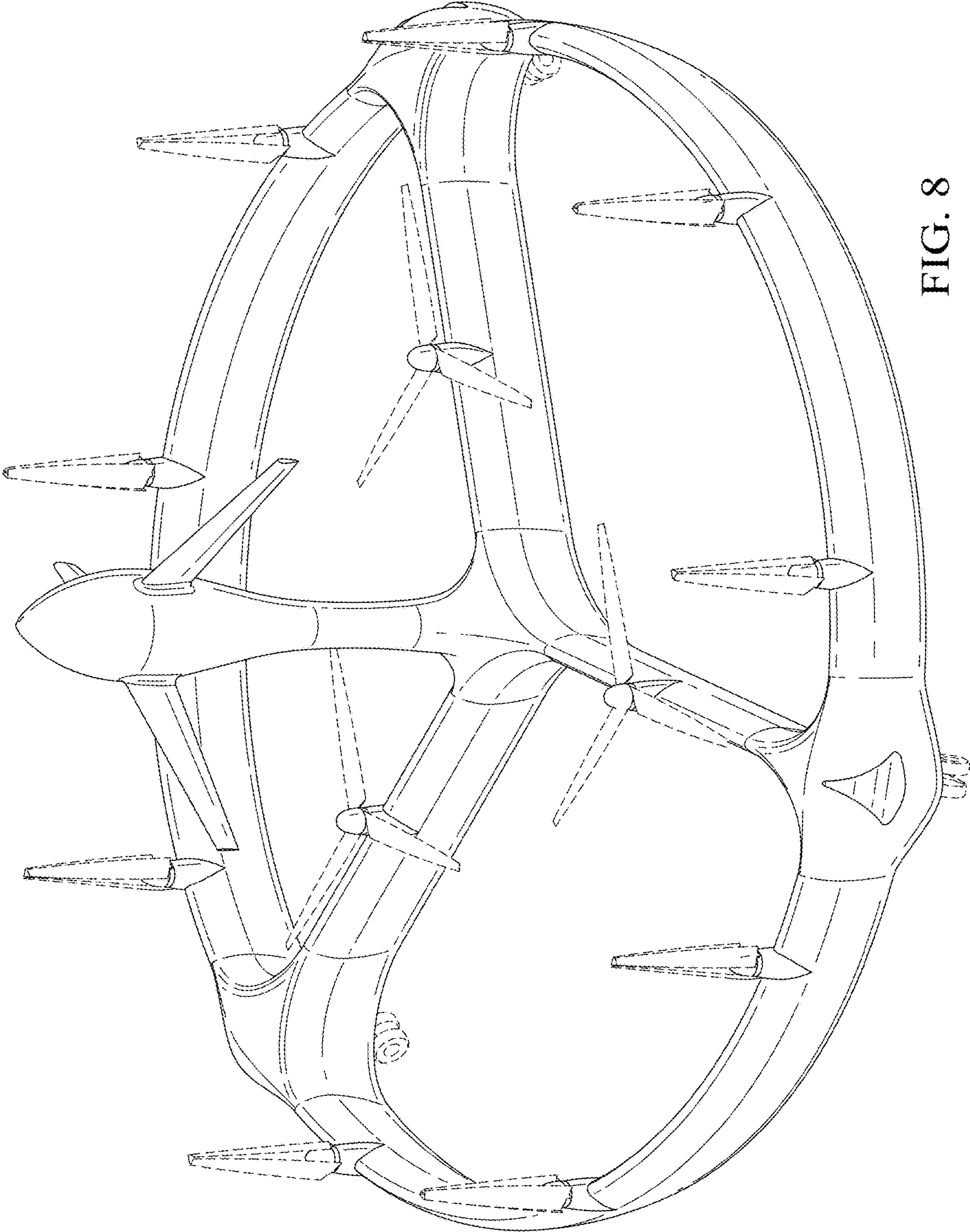


FIG. 8

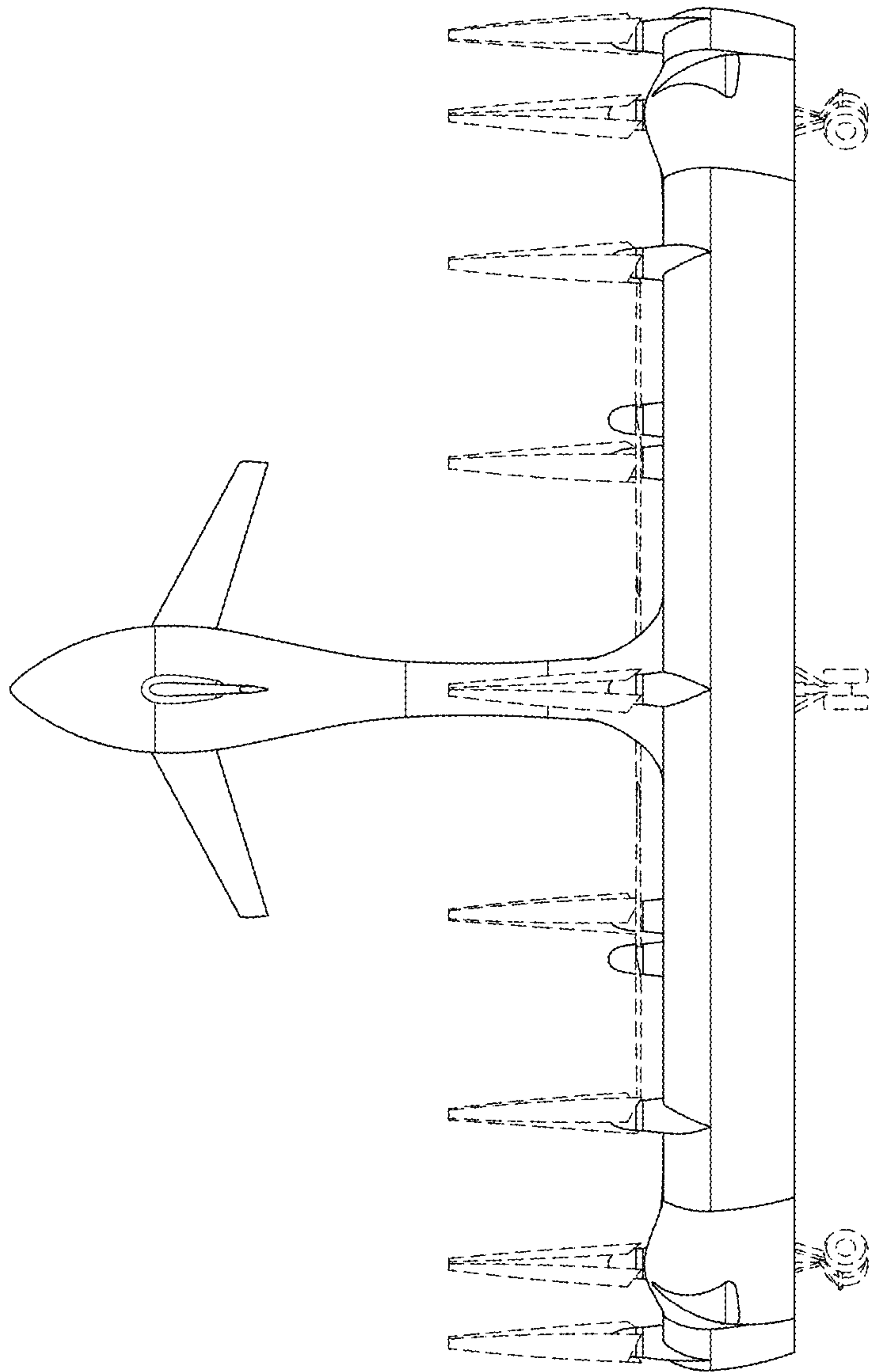


FIG. 9

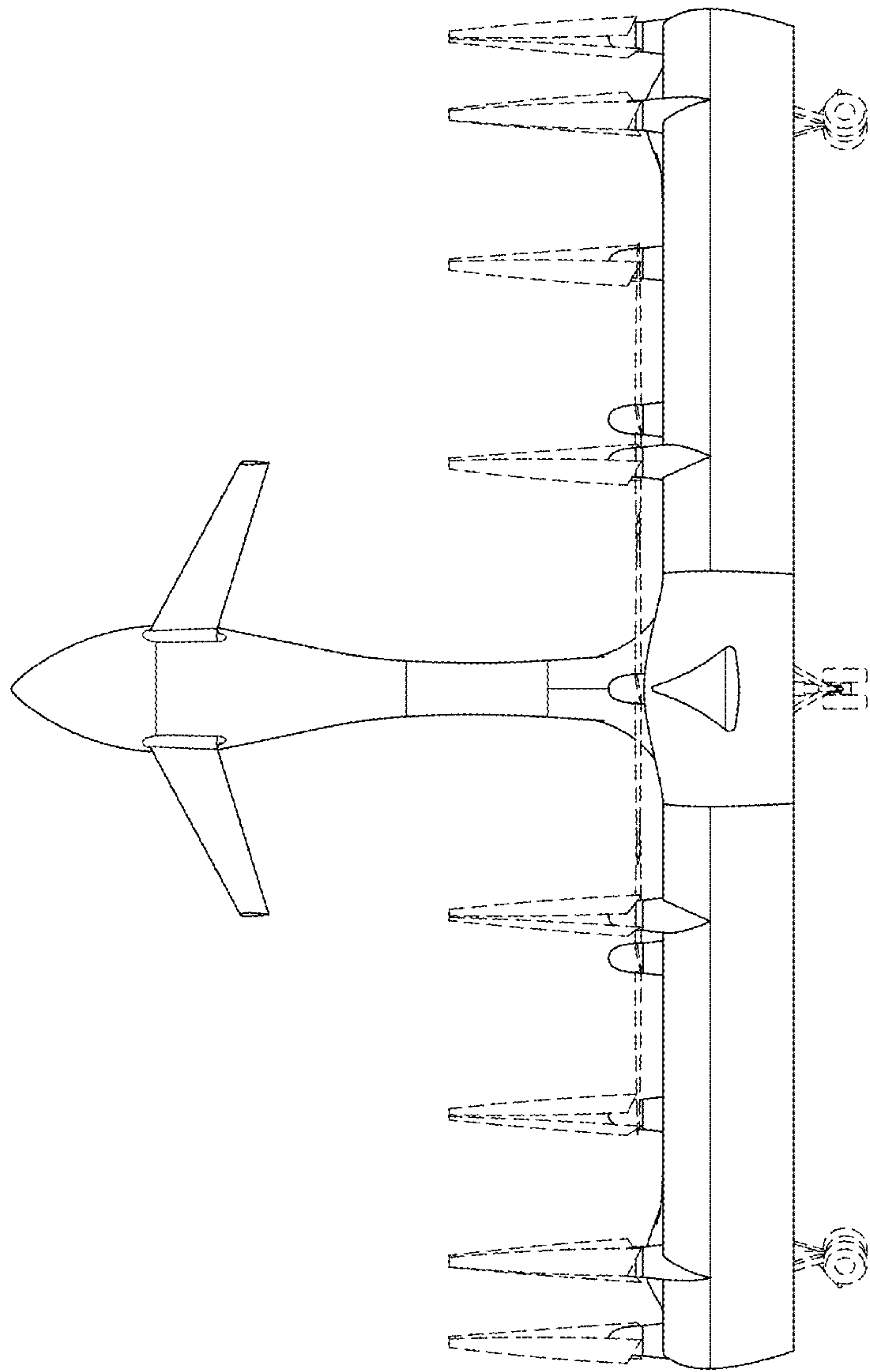


FIG. 10

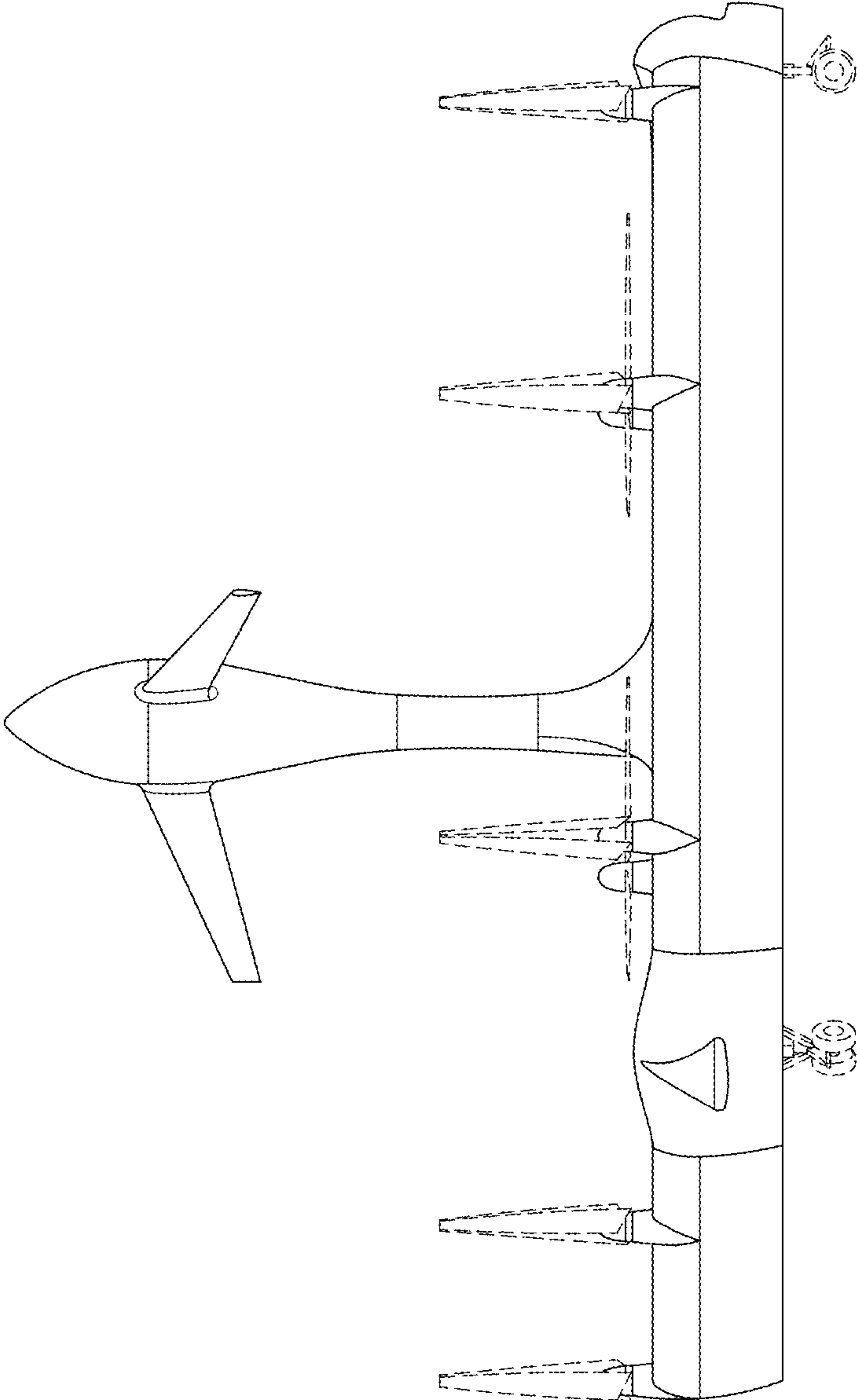


FIG. 11

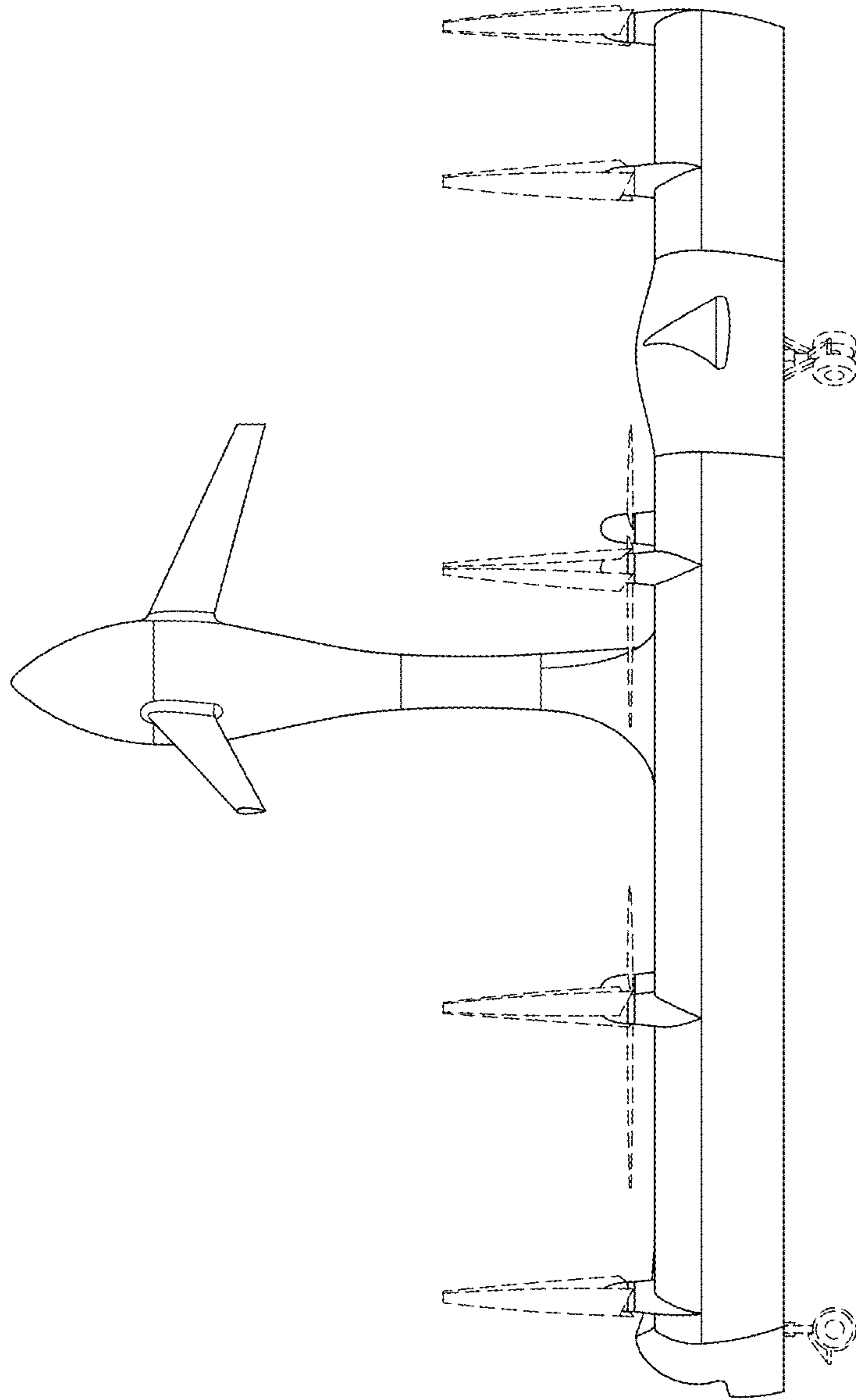


FIG. 12

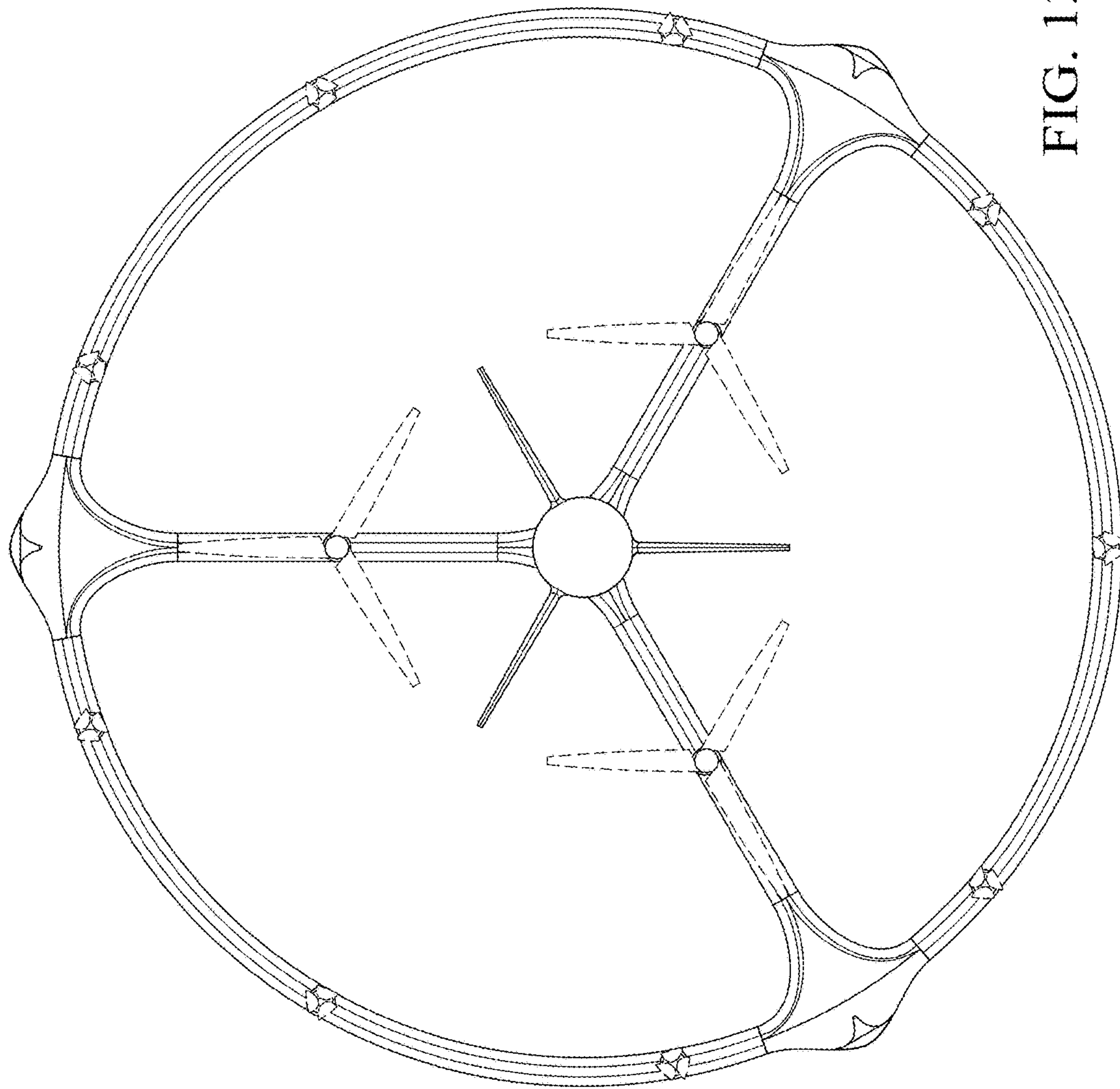


FIG. 13

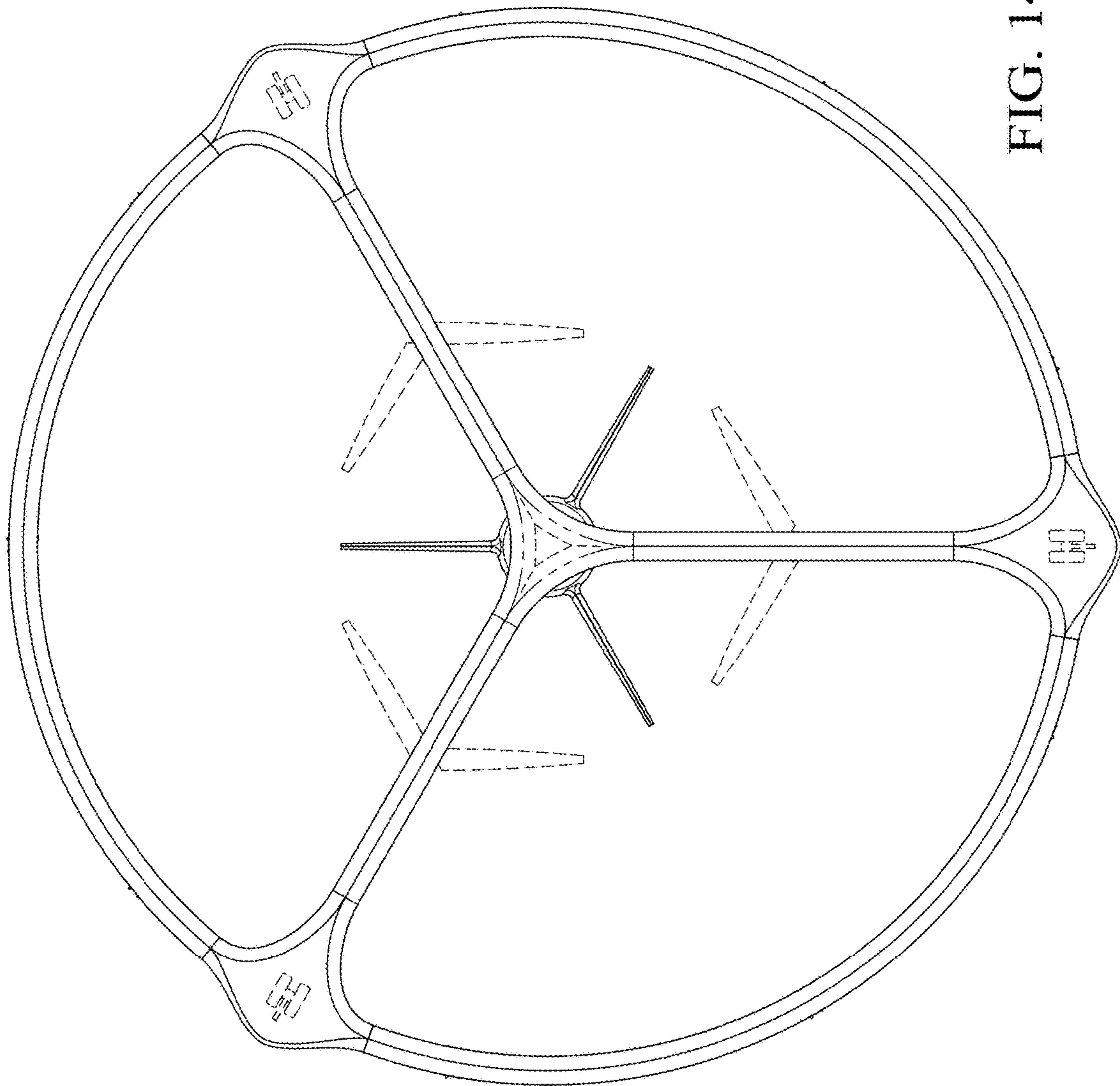


FIG. 14

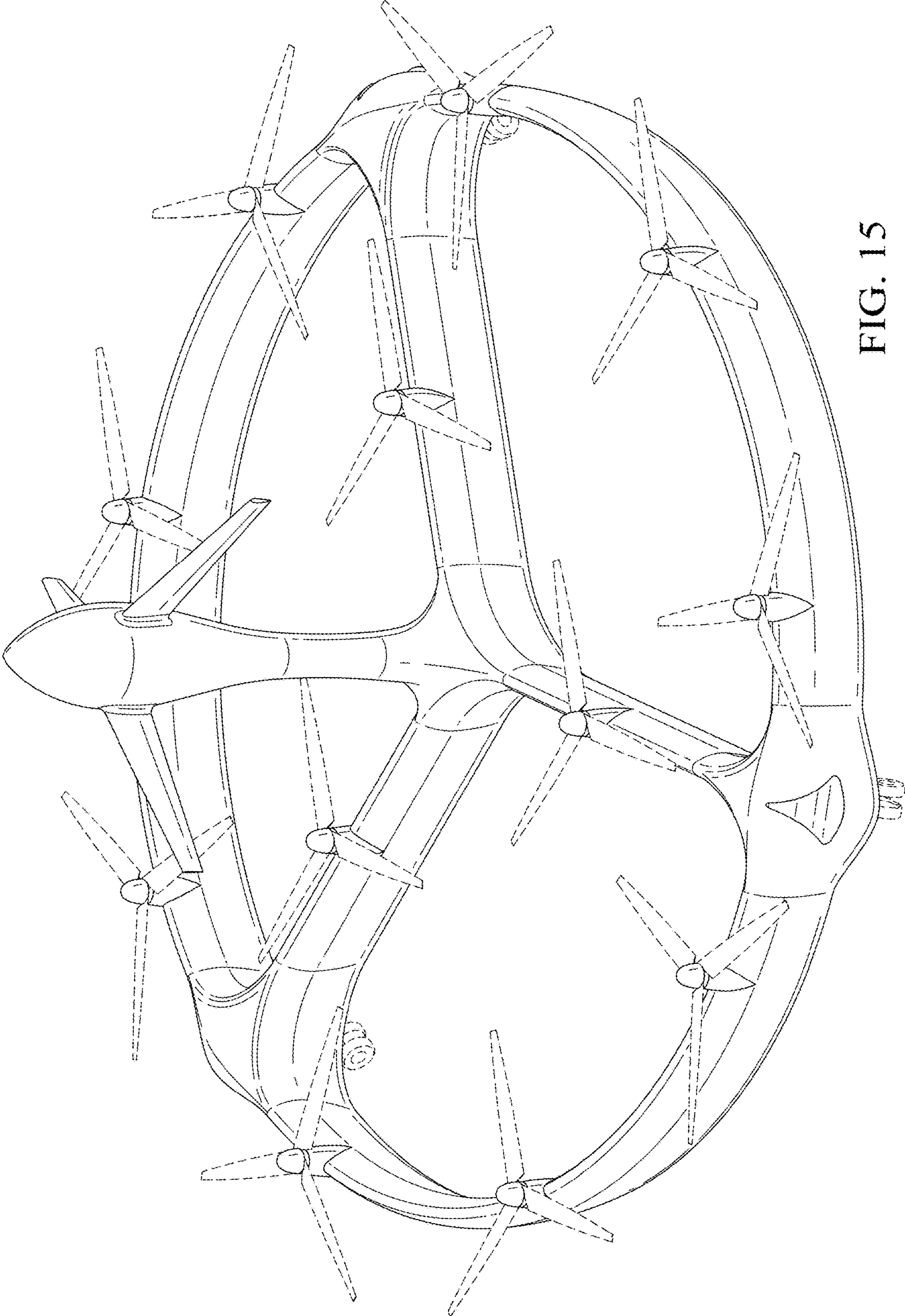


FIG. 15

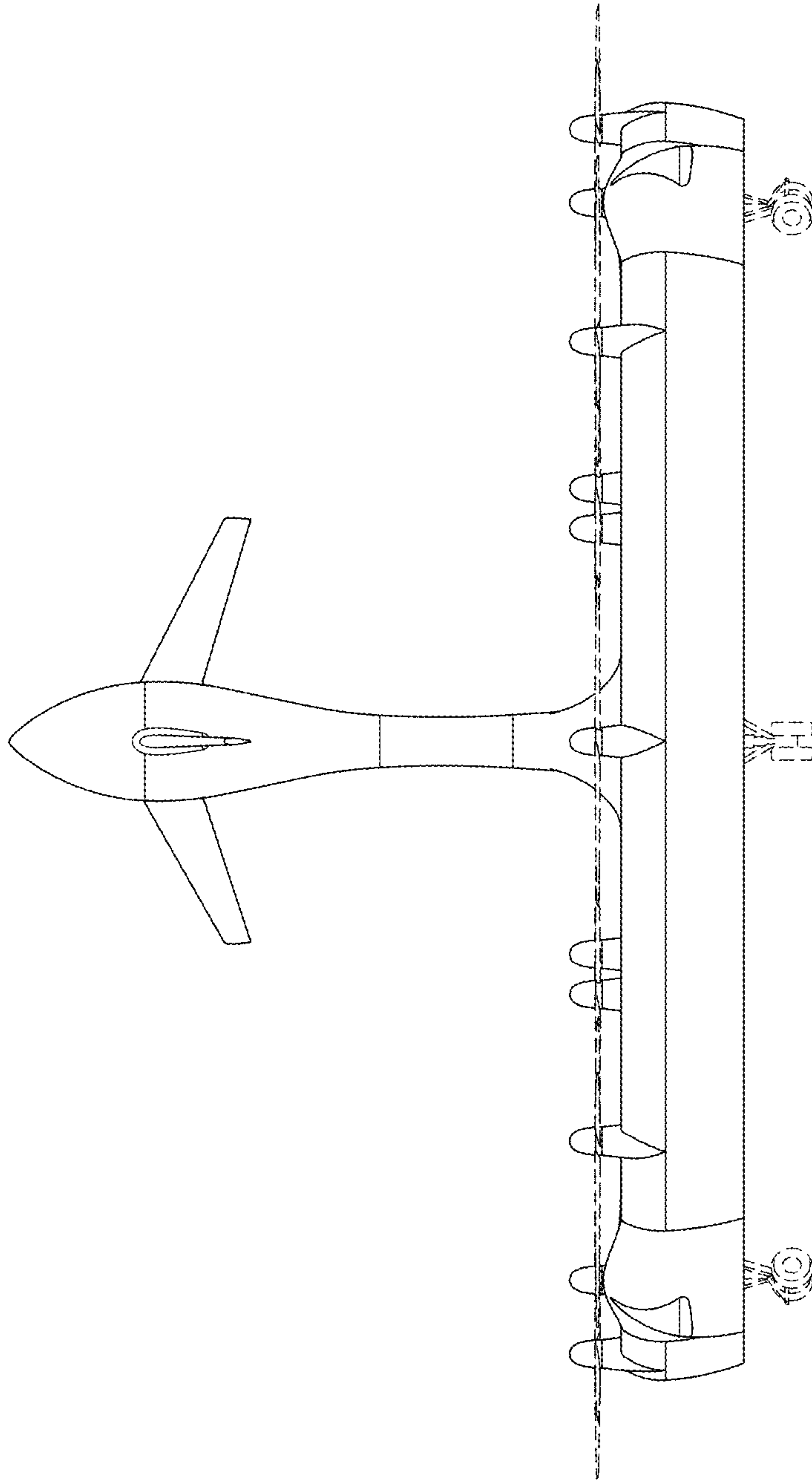


FIG. 16

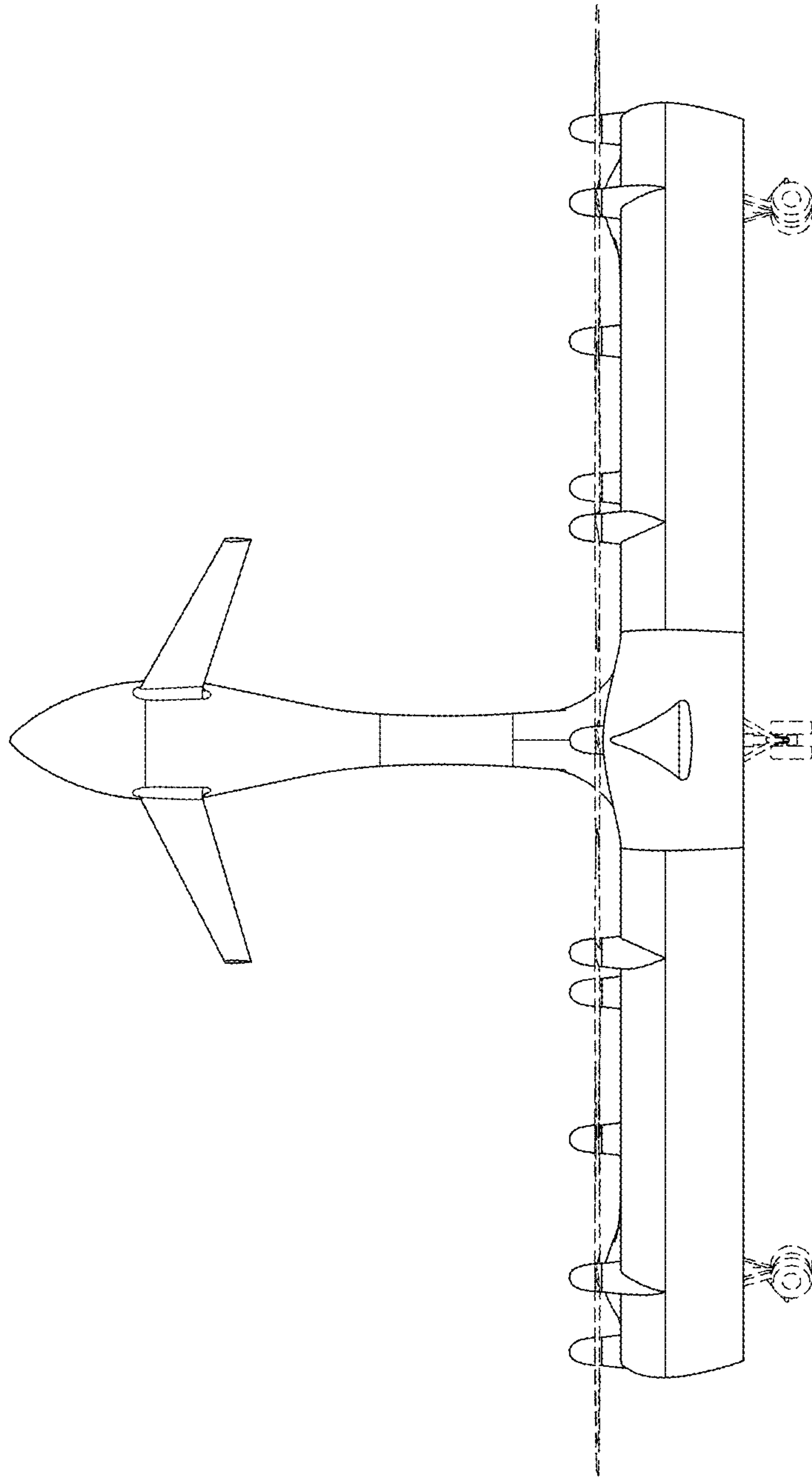


FIG. 17

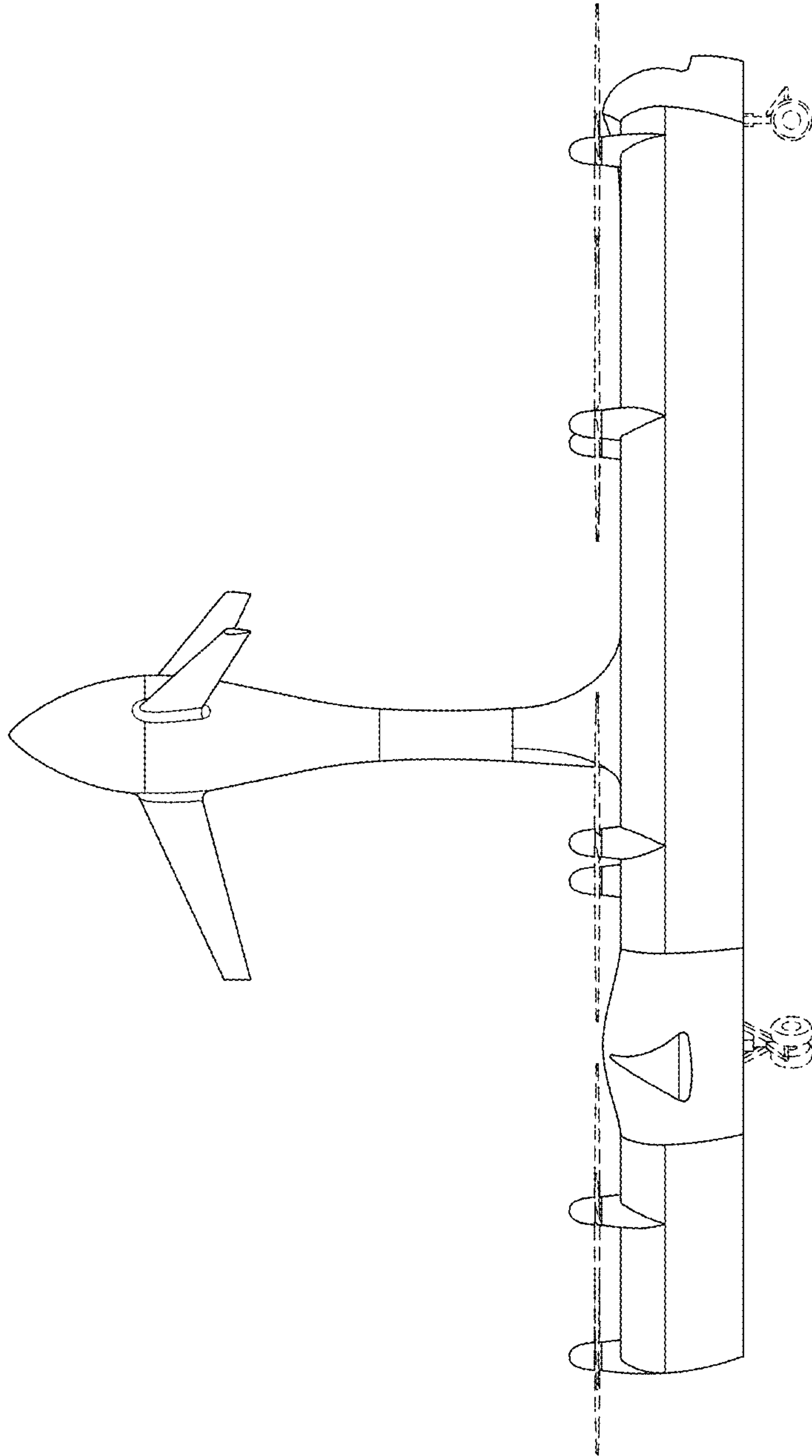


FIG. 18

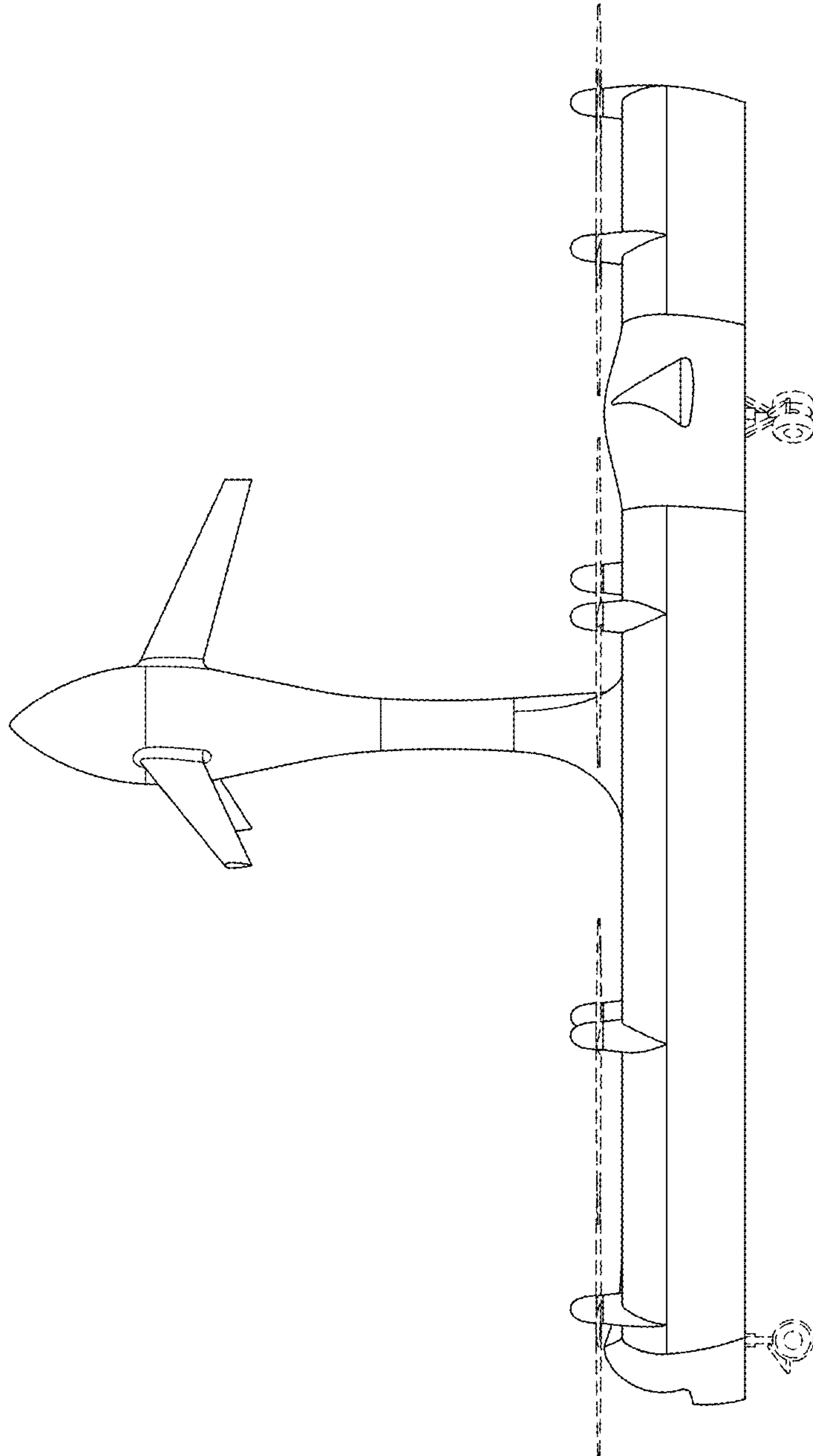


FIG. 19

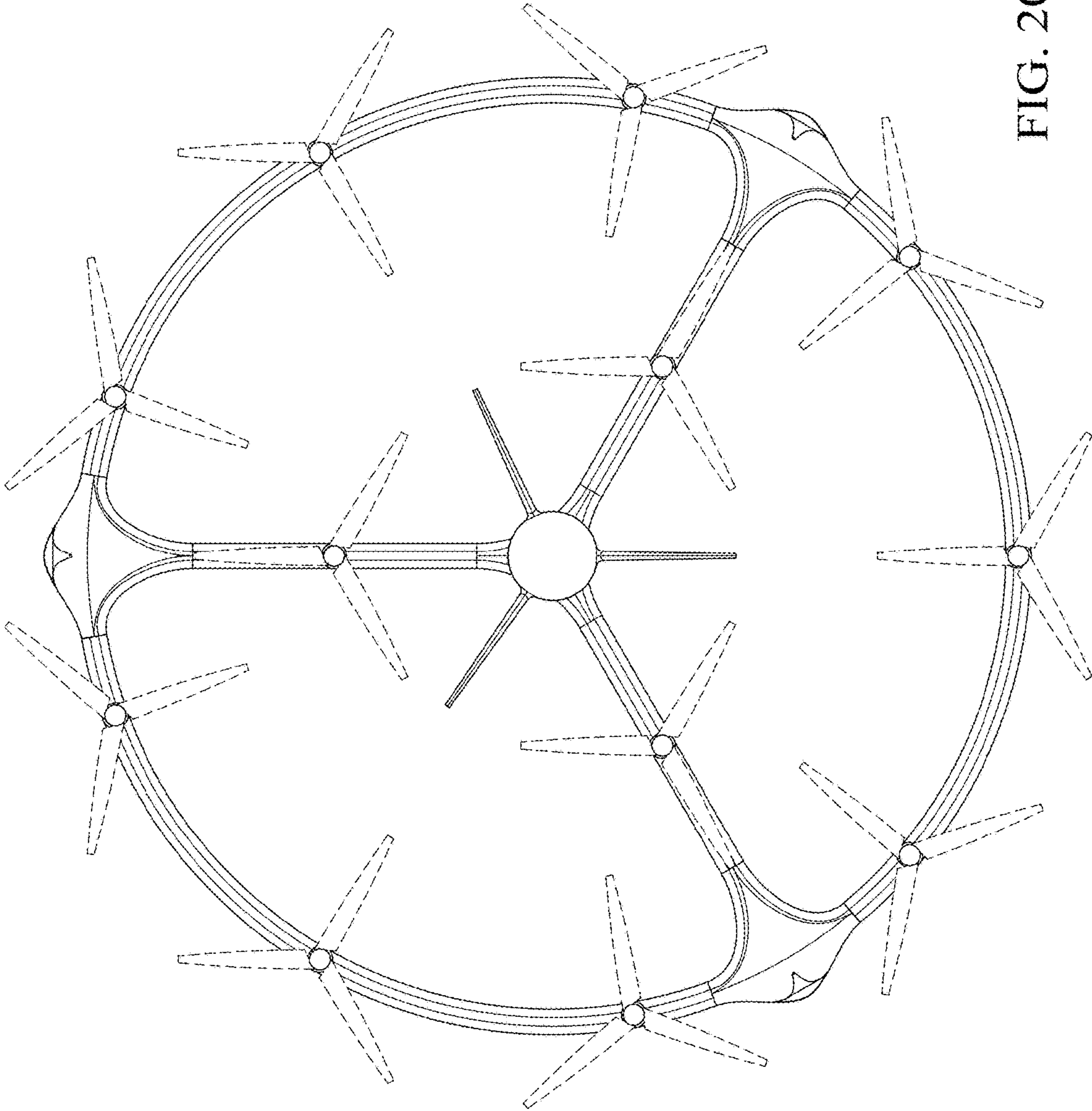


FIG. 20

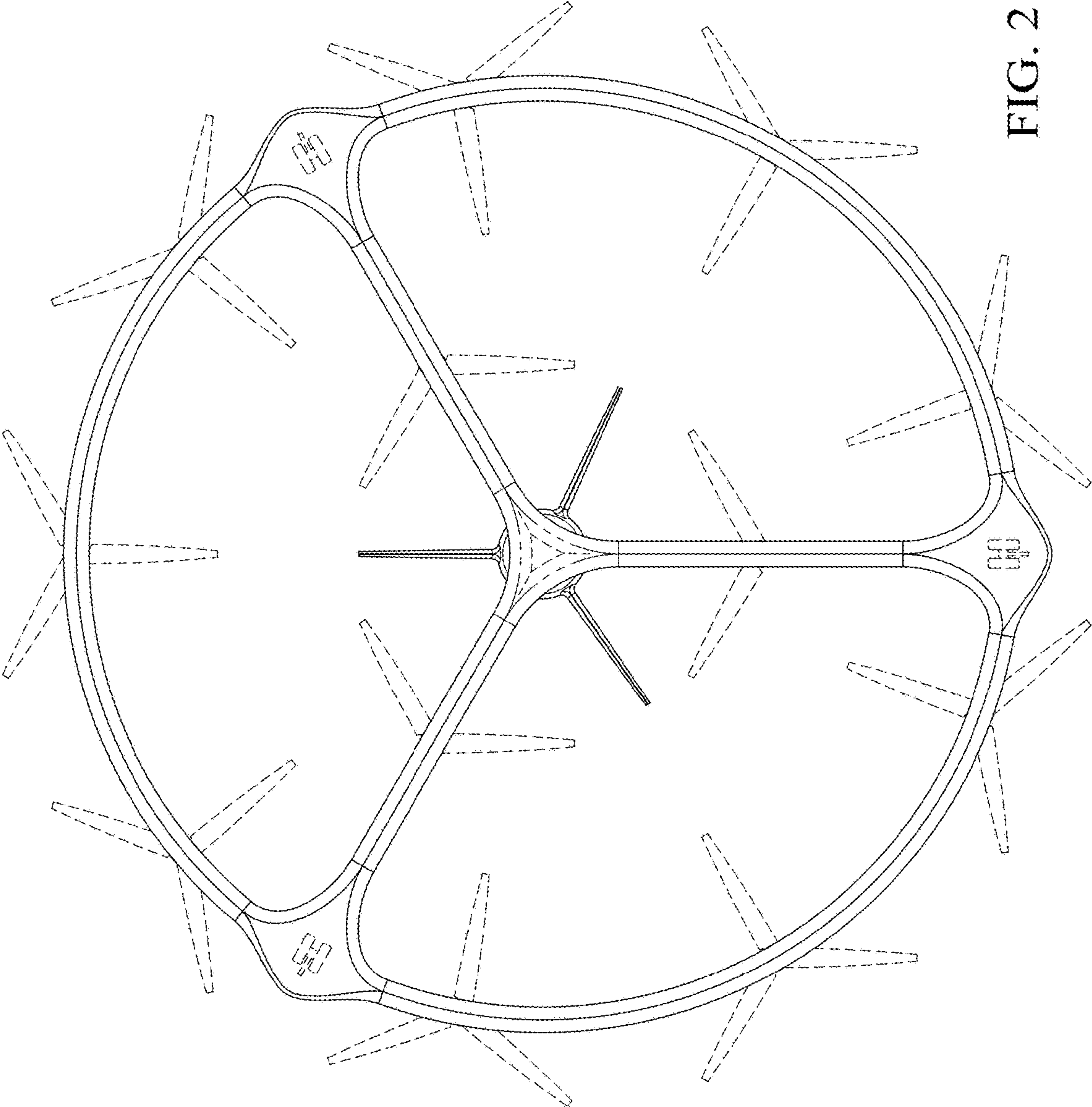


FIG. 21

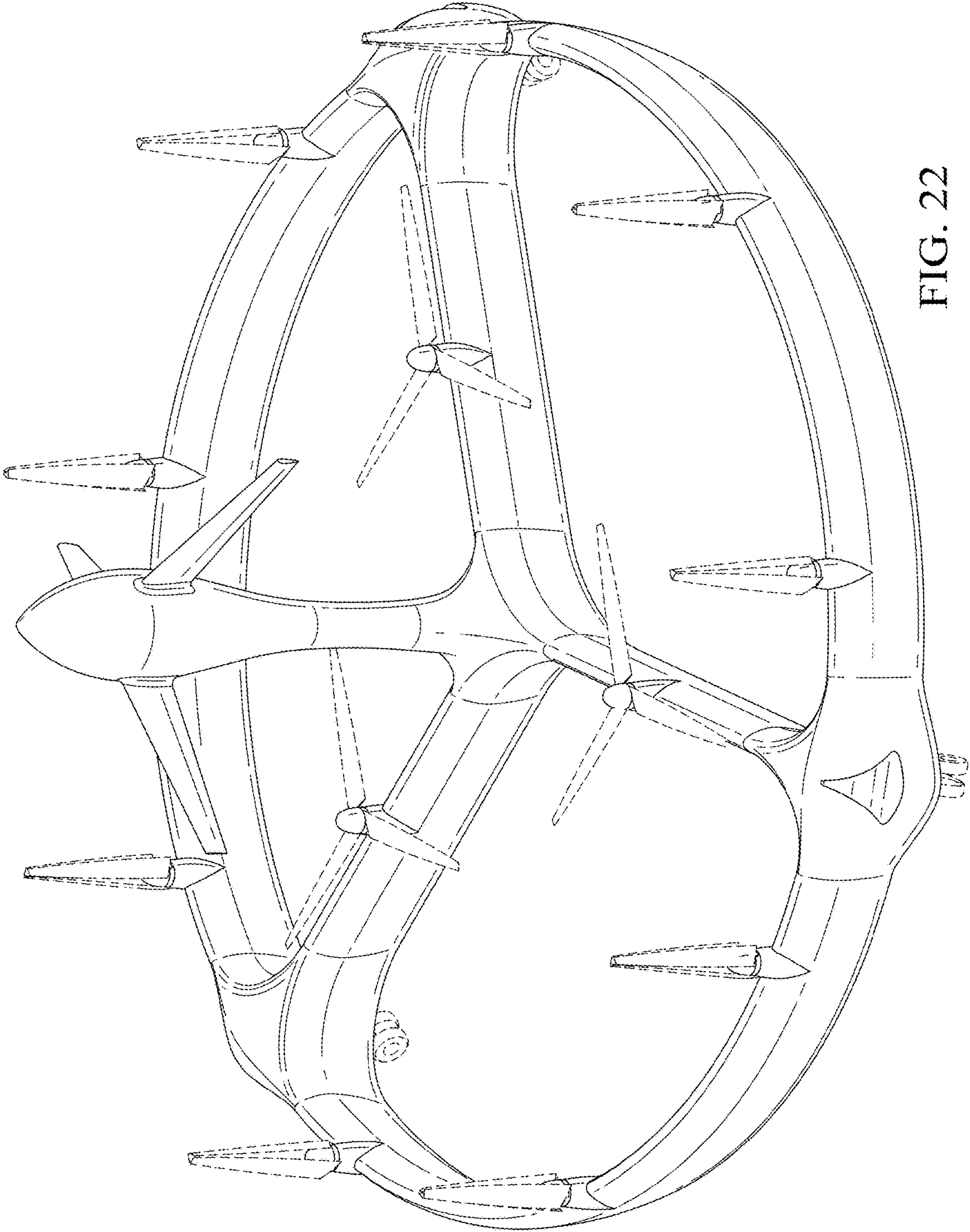


FIG. 22

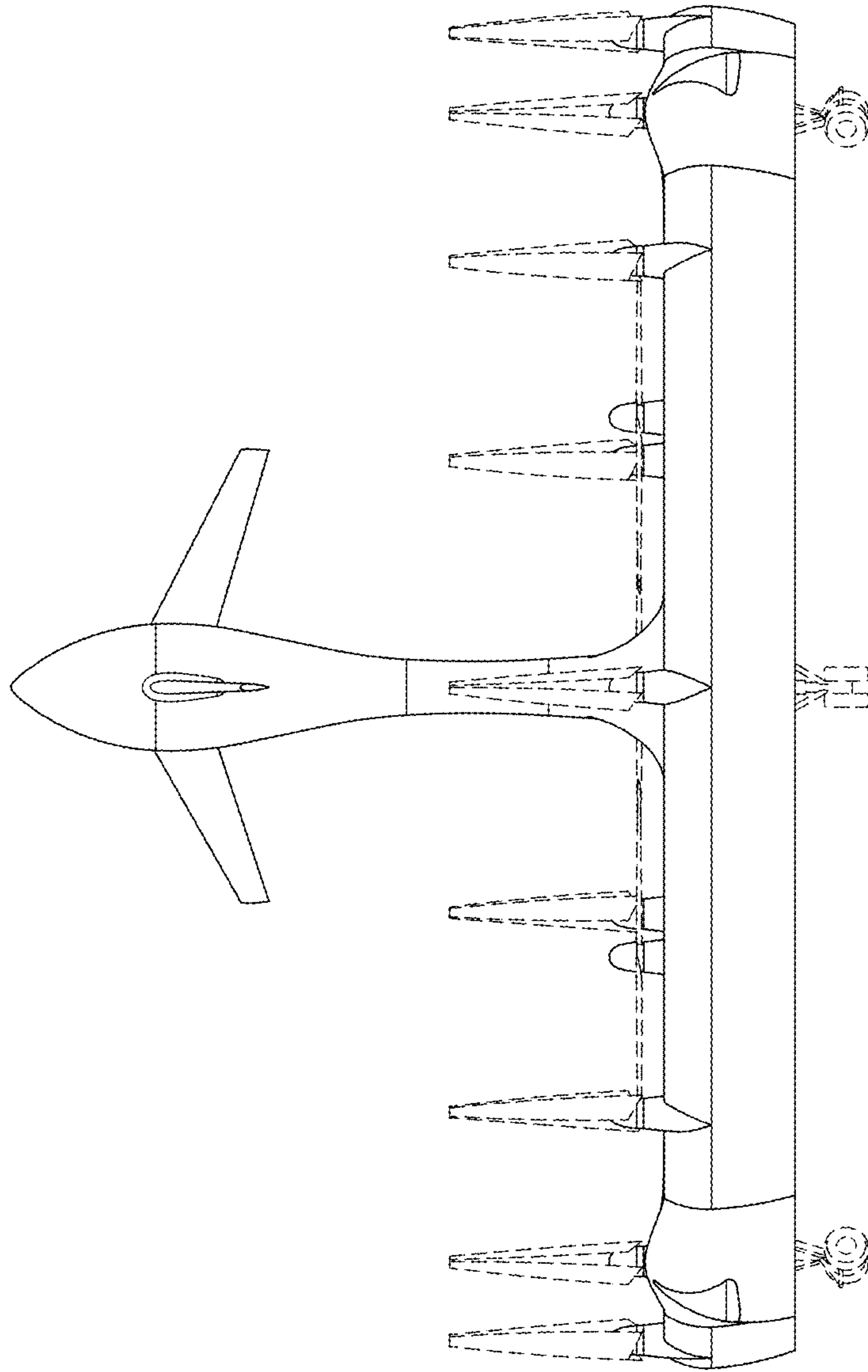


FIG. 23

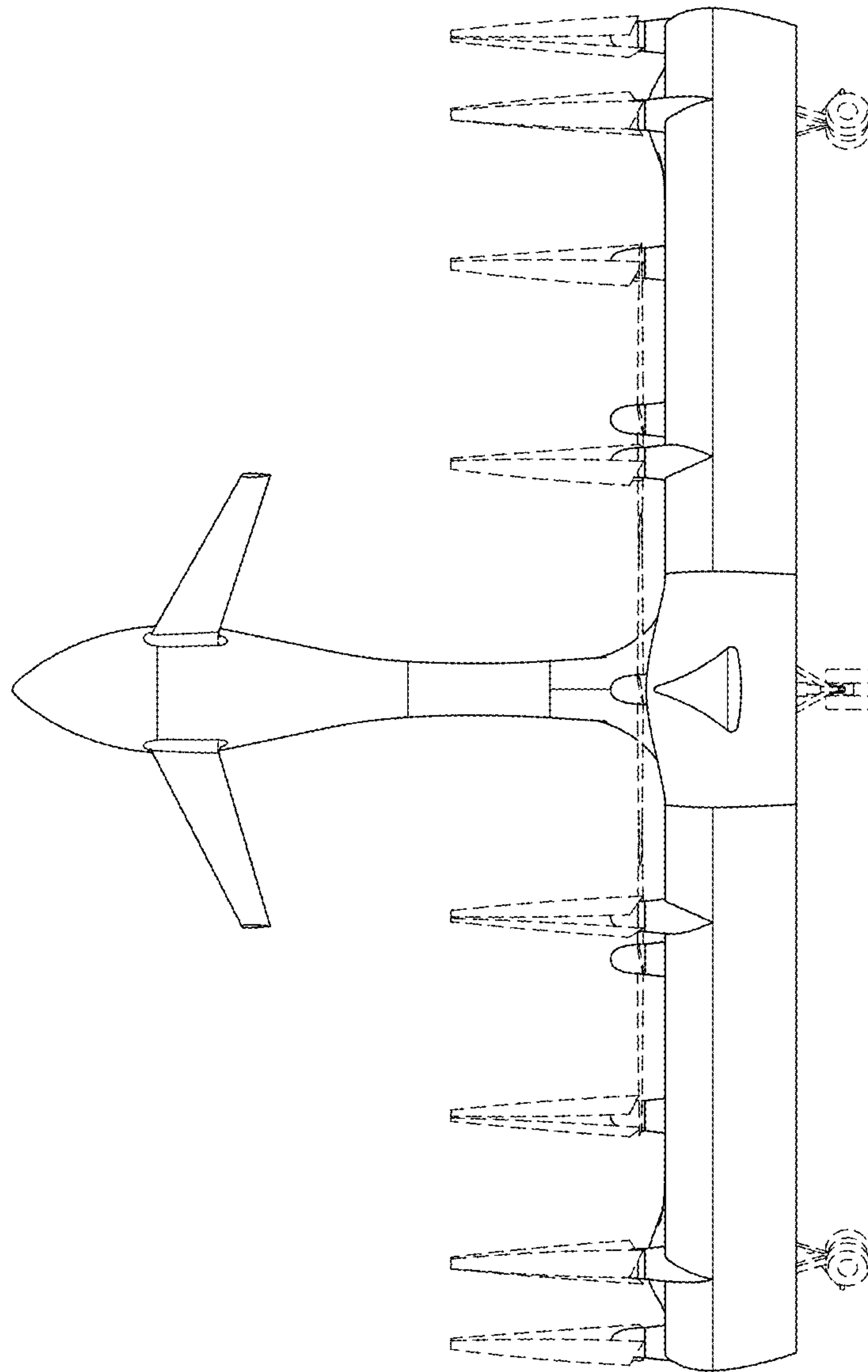


FIG. 24

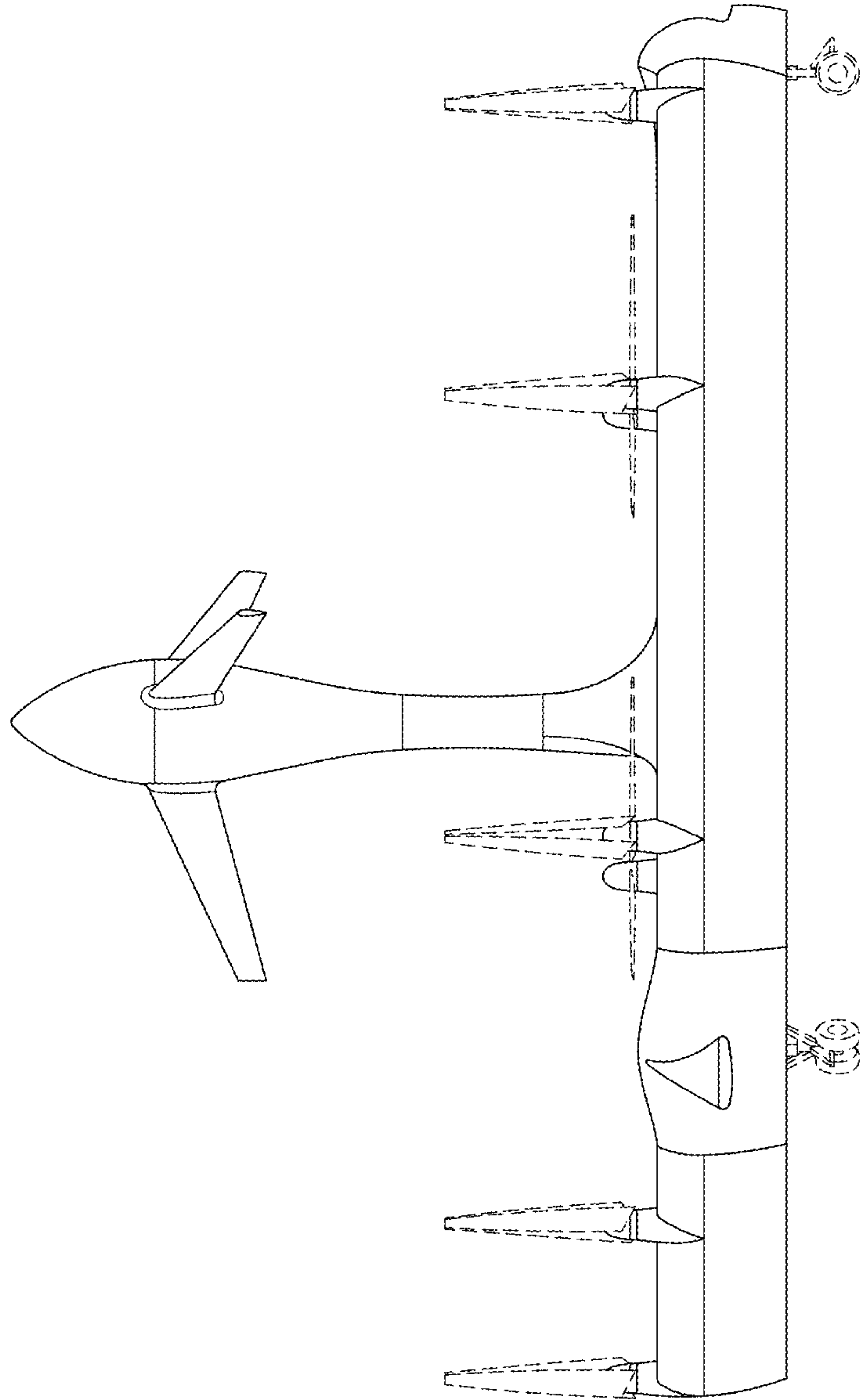


FIG. 25

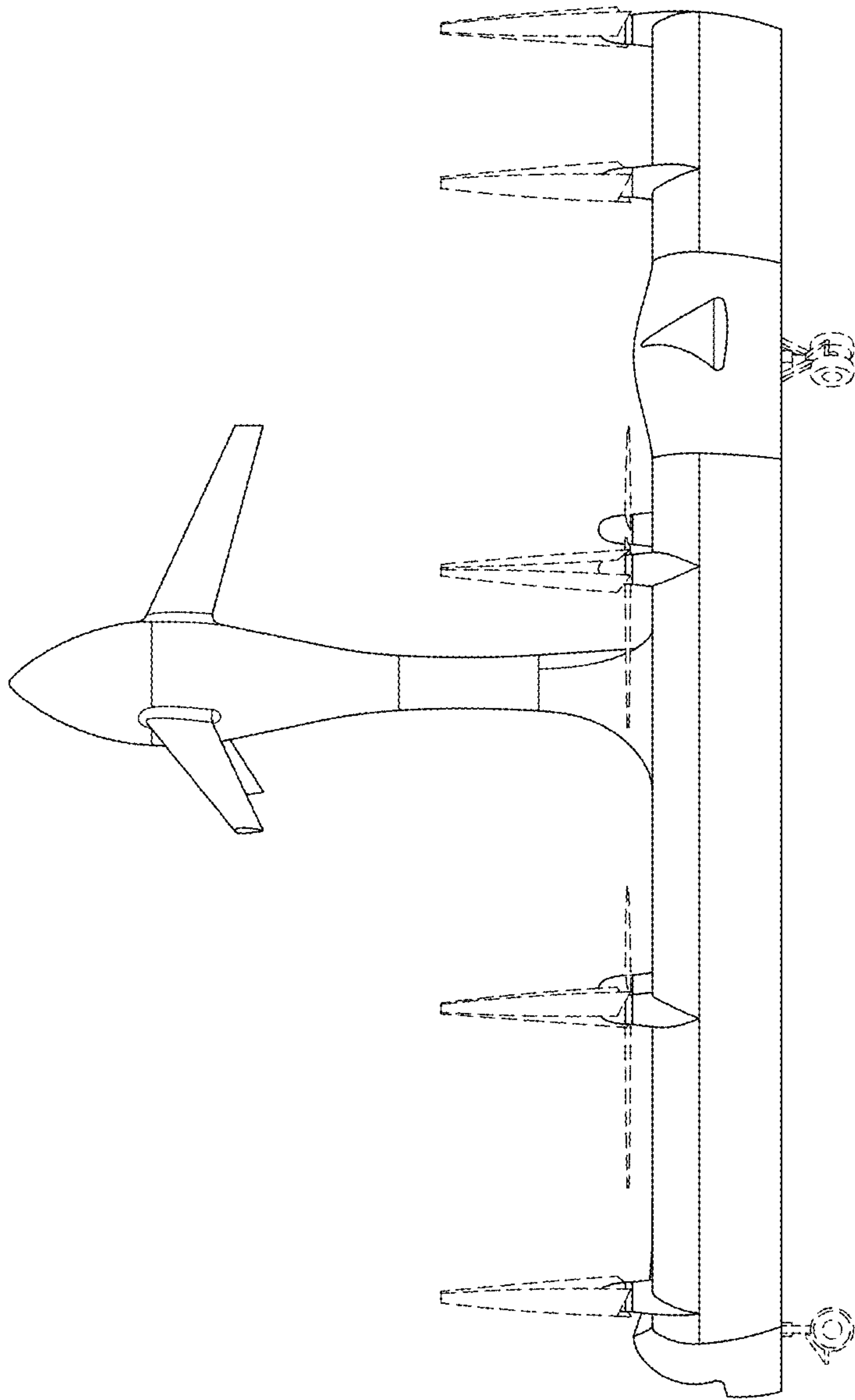


FIG. 26

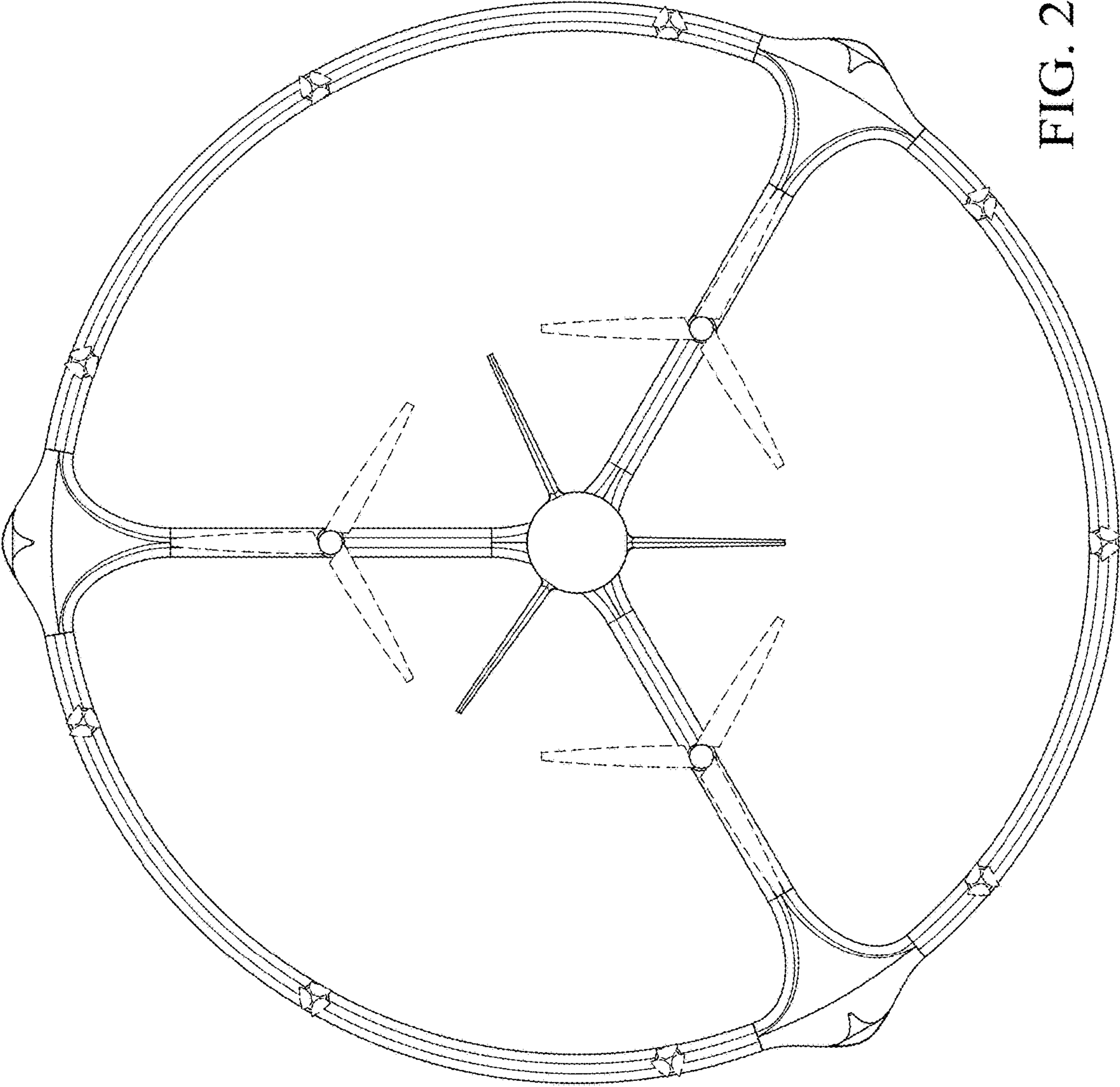


FIG. 27

