



US00D909278S

(12) **United States Design Patent** (10) **Patent No.:** **US D909,278 S**  
**Williams et al.** (45) **Date of Patent:** **\*\* \*Feb. 2, 2021**

(54) **FOLDABLE TILTROTOR AIRCRAFT**

(71) Applicant: **Bell Helicopter Textron Inc.**, Fort Worth, TX (US)

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(73) Assignee: **Bell Helicopter Textron Inc.**, Fort Worth, TX (US)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/670,337**

(22) Filed: **Nov. 15, 2018**

(51) **LOC (13) Cl.** ..... **12-07**

(52) **U.S. Cl.**  
USPC ..... **D12/326**

(58) **Field of Classification Search**  
USPC ..... D12/1-4, 16.1, 319-345; D21/436-455; D25/13, 199

(Continued)

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*Primary Examiner* — Marissa J Cash

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(57) **CLAIM**

The ornamental design for a foldable tiltrotor aircraft, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a foldable tiltrotor aircraft with the rotor nacelles facing forward, doors on the bottom of the fuselage open, and landing gear down; FIG. 2 is a front elevational view of the aircraft in FIG. 1; FIG. 3 is a rear elevational view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a left side view thereof; FIG. 6 is a top view thereof; FIG. 7 is a bottom view thereof; FIG. 8 is a front perspective view of the aircraft in FIG. 1 with the rotor nacelles facing upward, doors on the bottom of the fuselage open, and landing gear down; FIG. 9 is a front elevational view of the aircraft in FIG. 8; FIG. 10 is a rear elevational view thereof; FIG. 11 is a right side view thereof; FIG. 12 is a left side view thereof; FIG. 13 is a top view thereof; FIG. 14 is a bottom view thereof; FIG. 15 is a front perspective view of the aircraft of FIG. 1 with the rotor nacelles facing forward, doors on the bottom of the fuselage closed, and landing gear up; FIG. 16 is a front elevational view of the aircraft in FIG. 15; FIG. 17 is a rear elevational view thereof; FIG. 18 is a right side view thereof; FIG. 19 is a left side view thereof; FIG. 20 is a top view thereof; FIG. 21 is a bottom view thereof; FIG. 22 is a front perspective view of the aircraft of FIG. 1 with the rotor nacelles facing upward, doors on the bottom of the fuselage closed, and landing gear up; FIG. 23 is a front elevational view of the aircraft in FIG. 22; FIG. 24 is a rear elevational view thereof; FIG. 25 is a right side view thereof; FIG. 26 is a left side view thereof;

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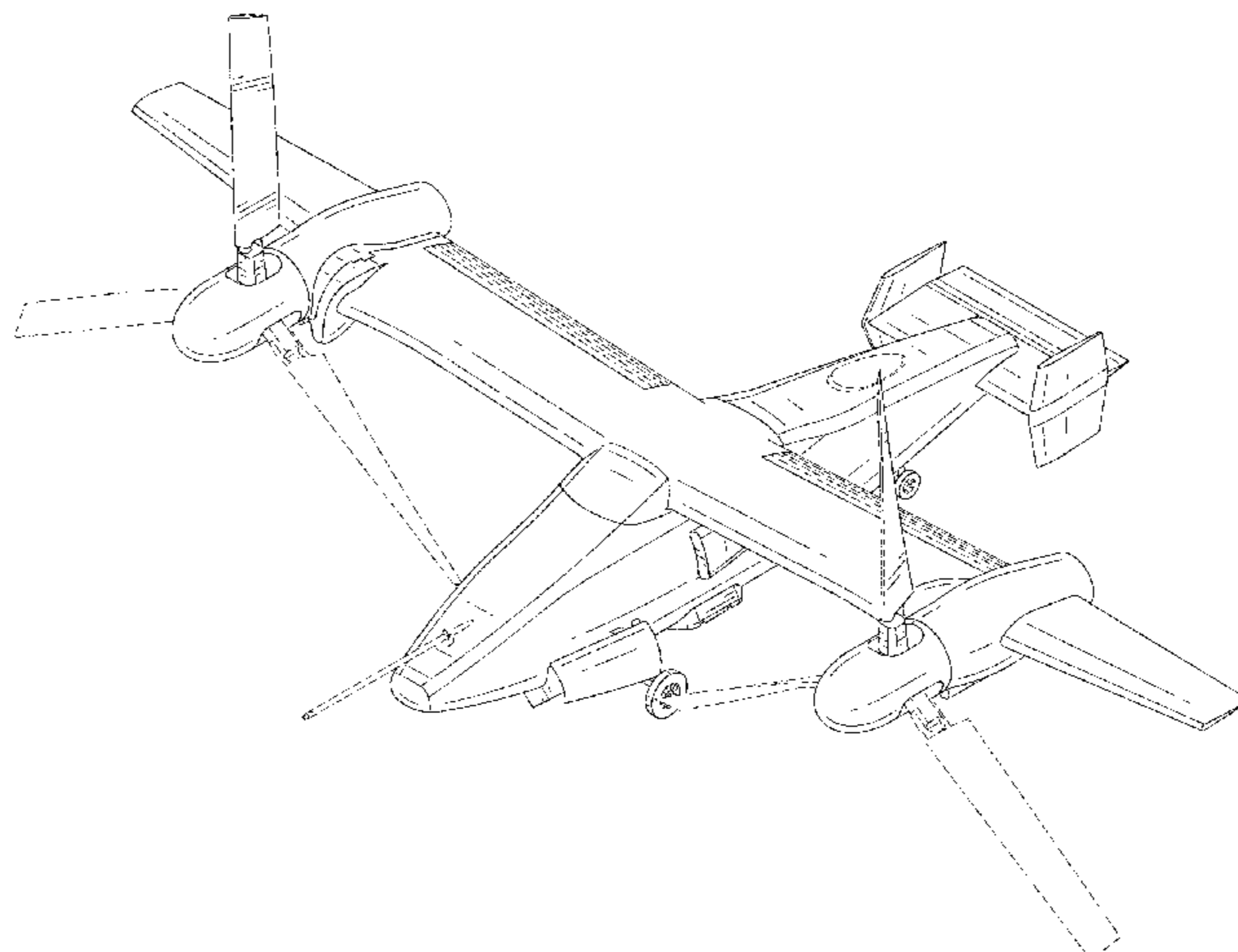


FIG. 27 is a top view thereof;  
 FIG. 28 is a bottom view thereof;  
 FIG. 29 is a front perspective view of the aircraft of FIG. 1 in a folded position;  
 FIG. 30 is a front elevational view of the aircraft in FIG. 29;  
 FIG. 31 is a rear elevational view thereof;  
 FIG. 32 is a right side view thereof;  
 FIG. 33 is a left side view thereof;  
 FIG. 34 is a top view thereof; and,  
 FIG. 35 is a bottom view thereof.  
 The broken lines in the drawings represent unclaimed environmental subject matter and form no part of the claim.

**1 Claim, 33 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... B64C 29/0033; B64C 29/02; B64C 2201/021; B64C 2201/088; B64C 2201/104; B64C 2201/141; B64C 29/00; B64C 29/0025; B64G 2001/1064; B64G 2001/1071; B64G 5/00; B64G 1/46  
 See application file for complete search history.

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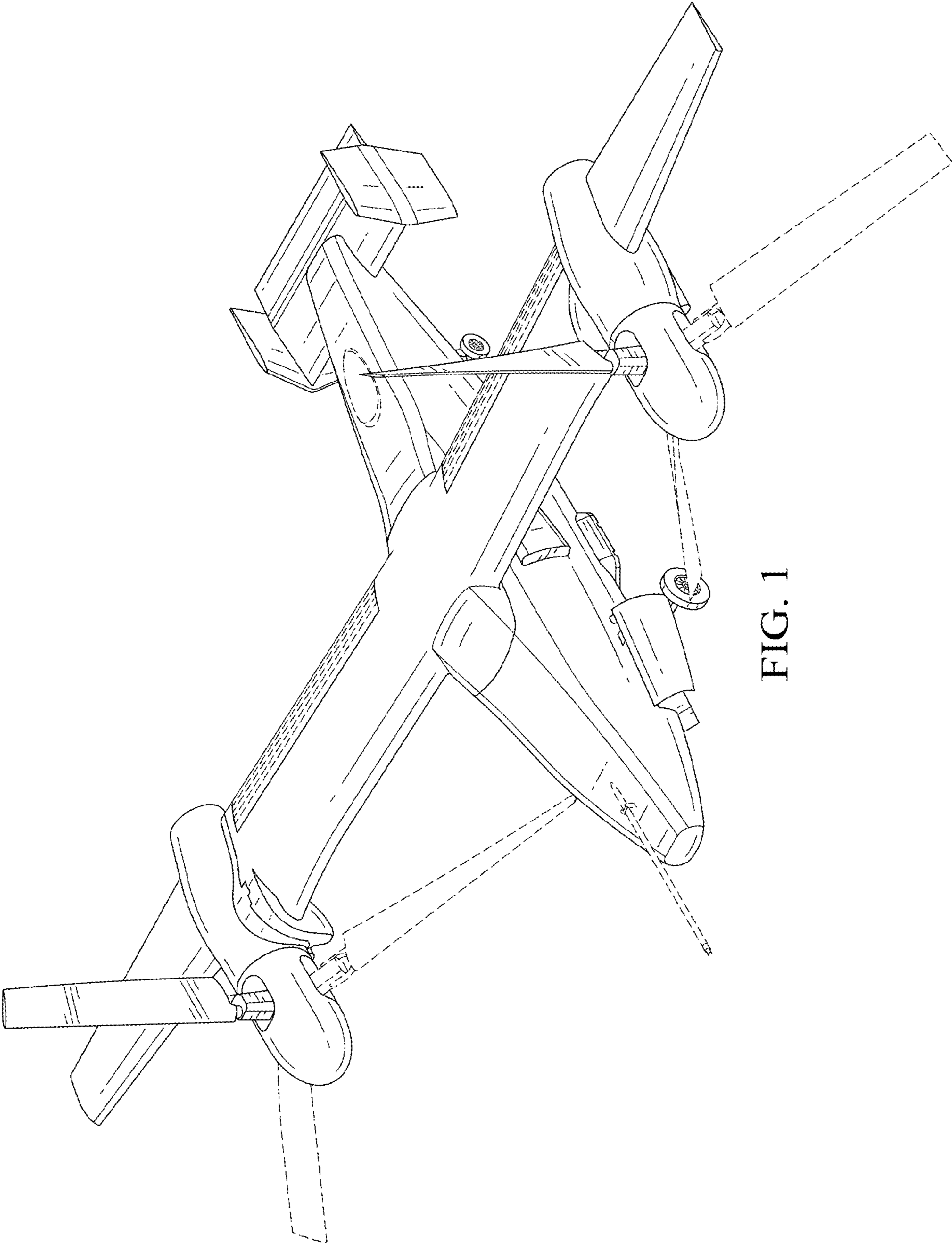


FIG. 1

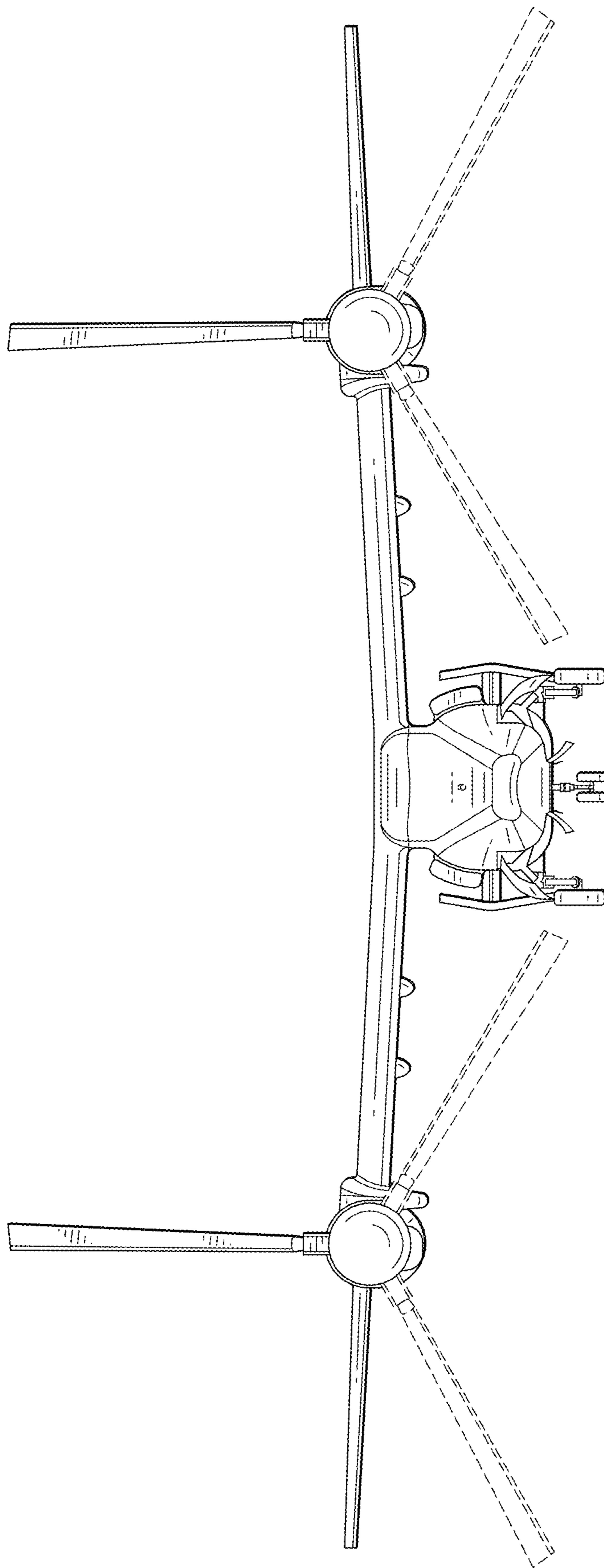


FIG. 2

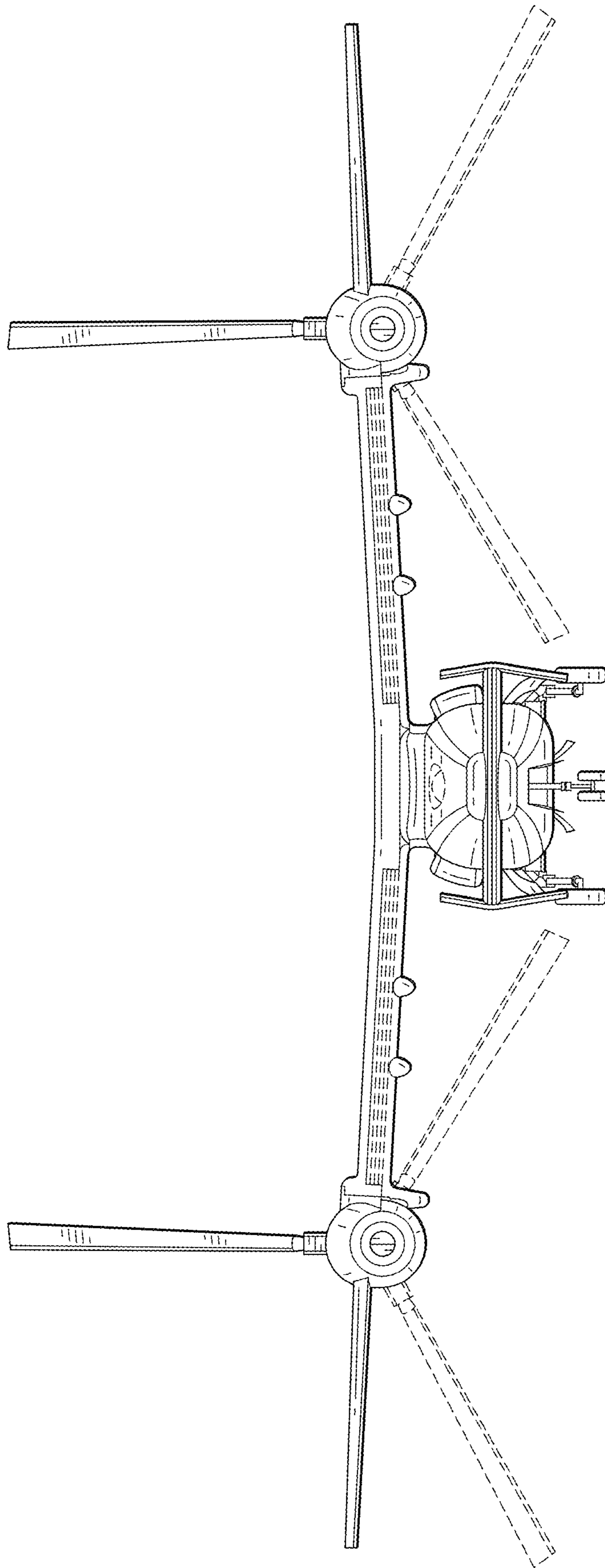


FIG. 3

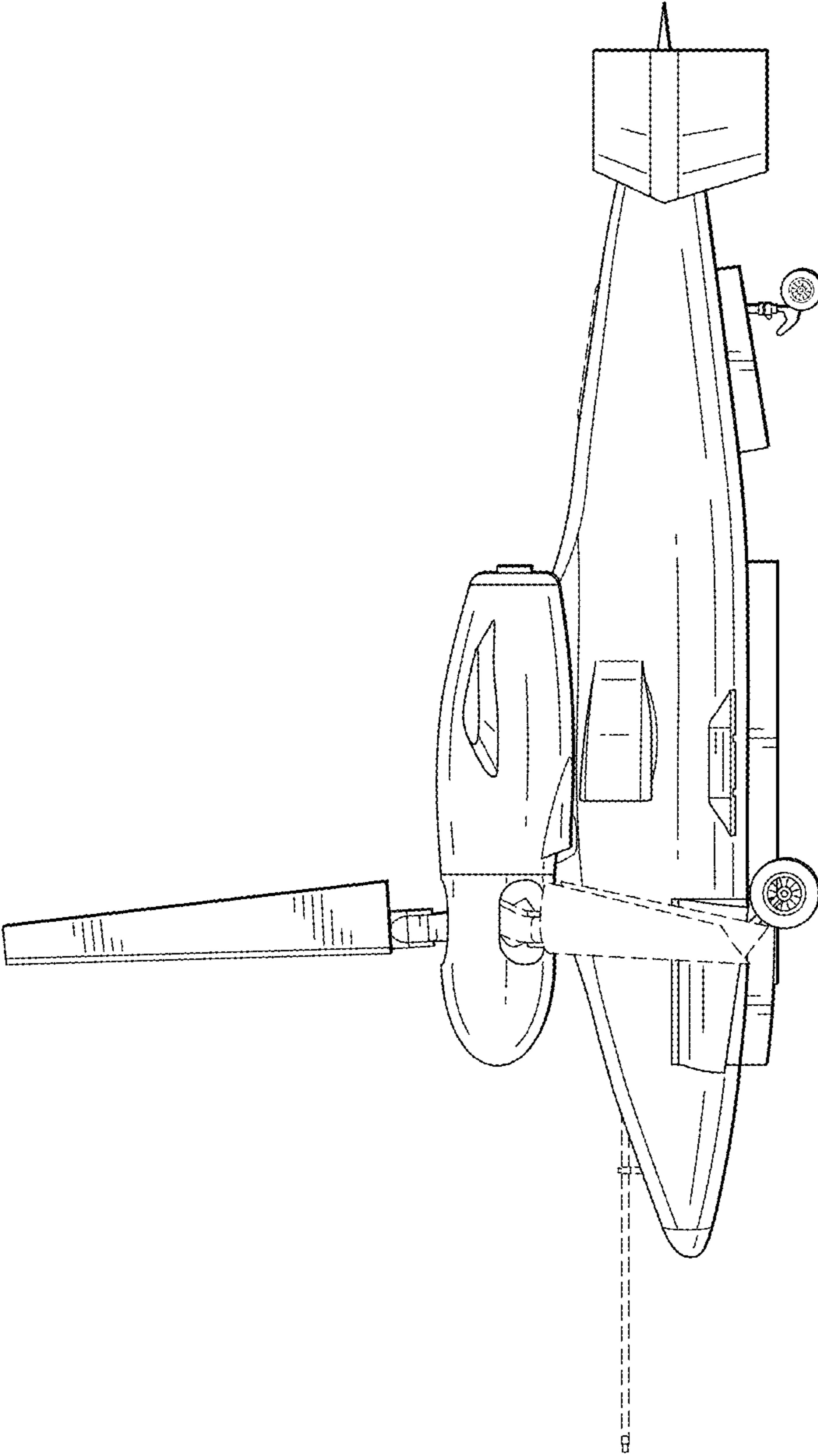


FIG. 4

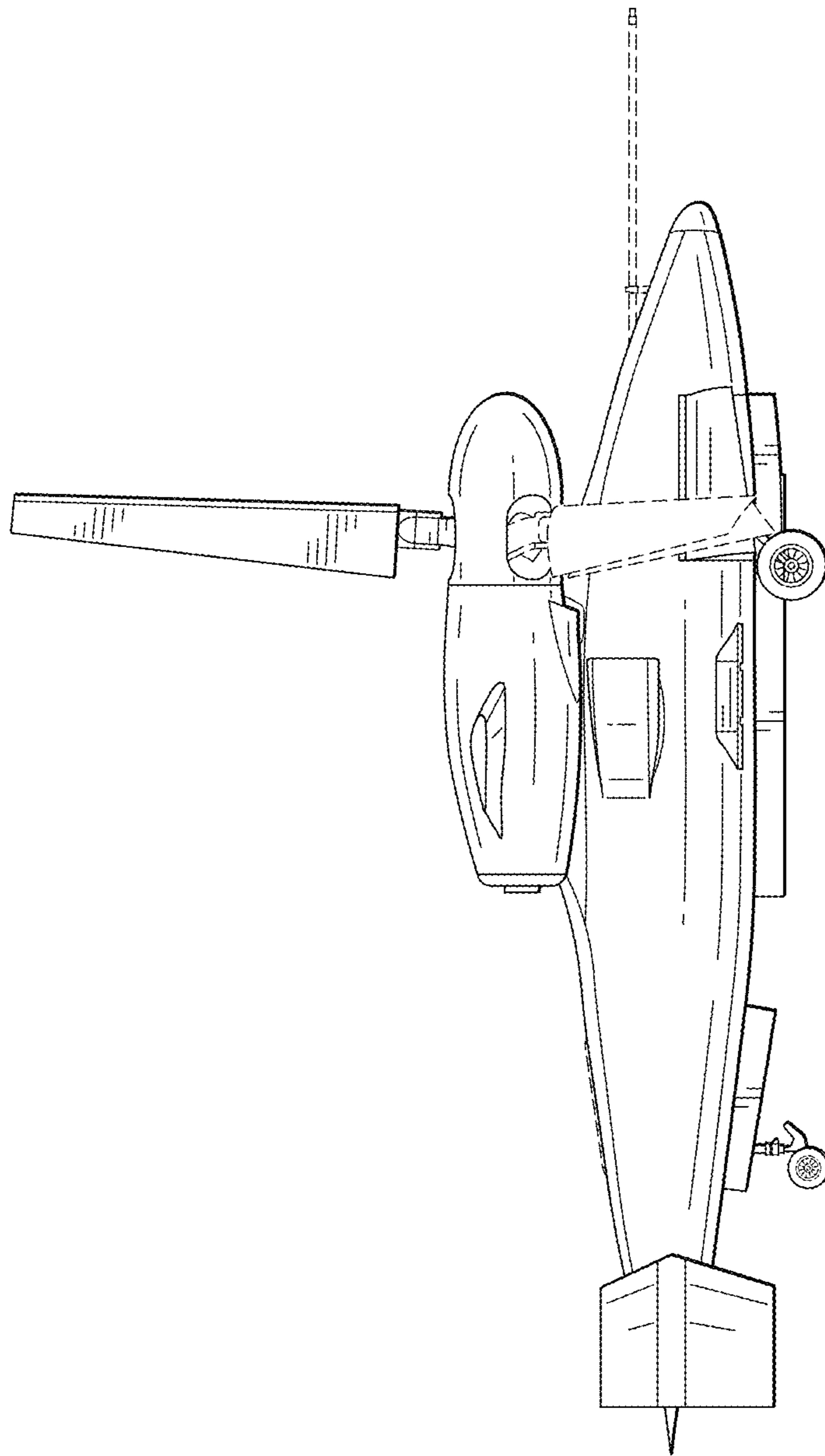


FIG. 5

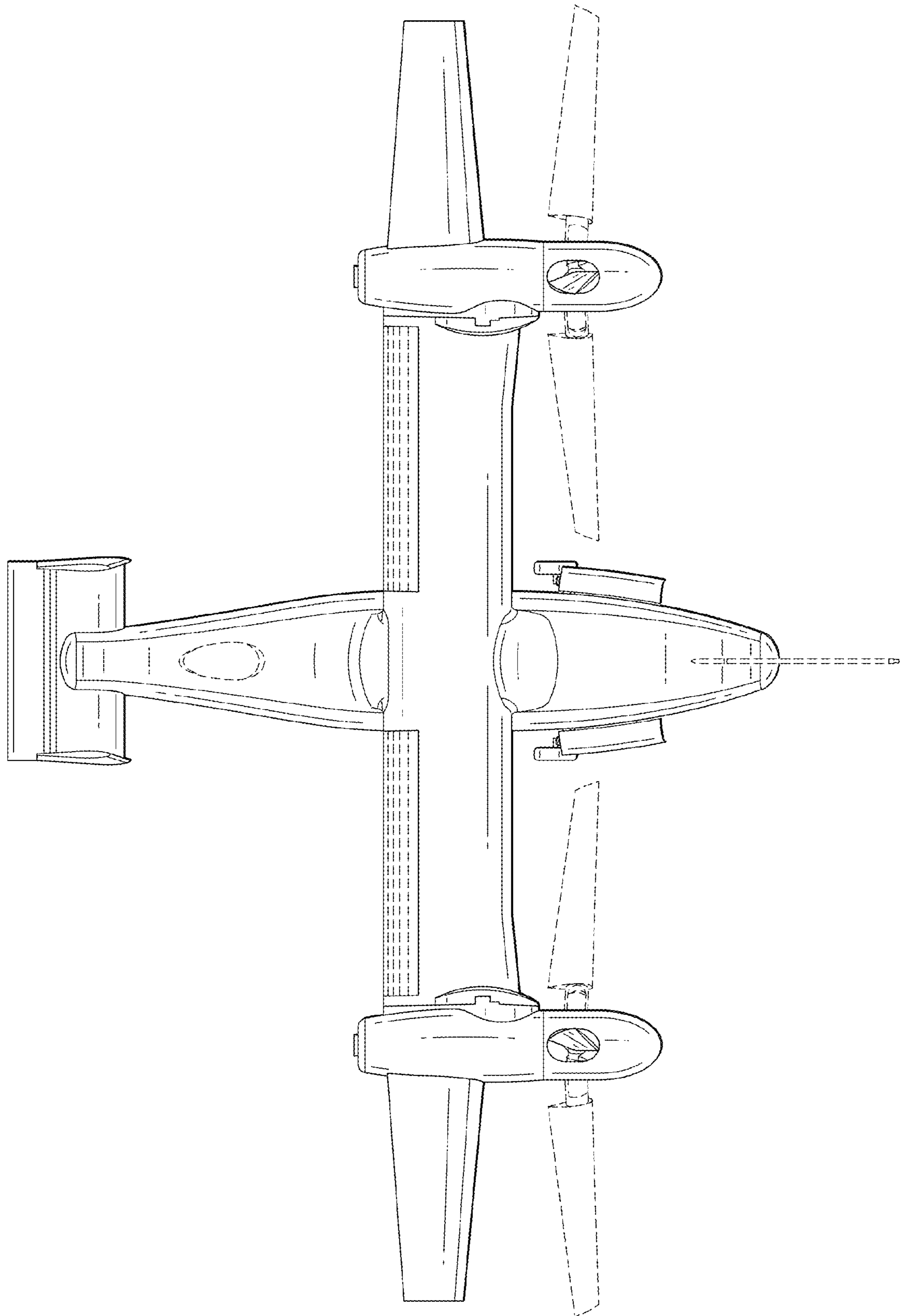


FIG. 6



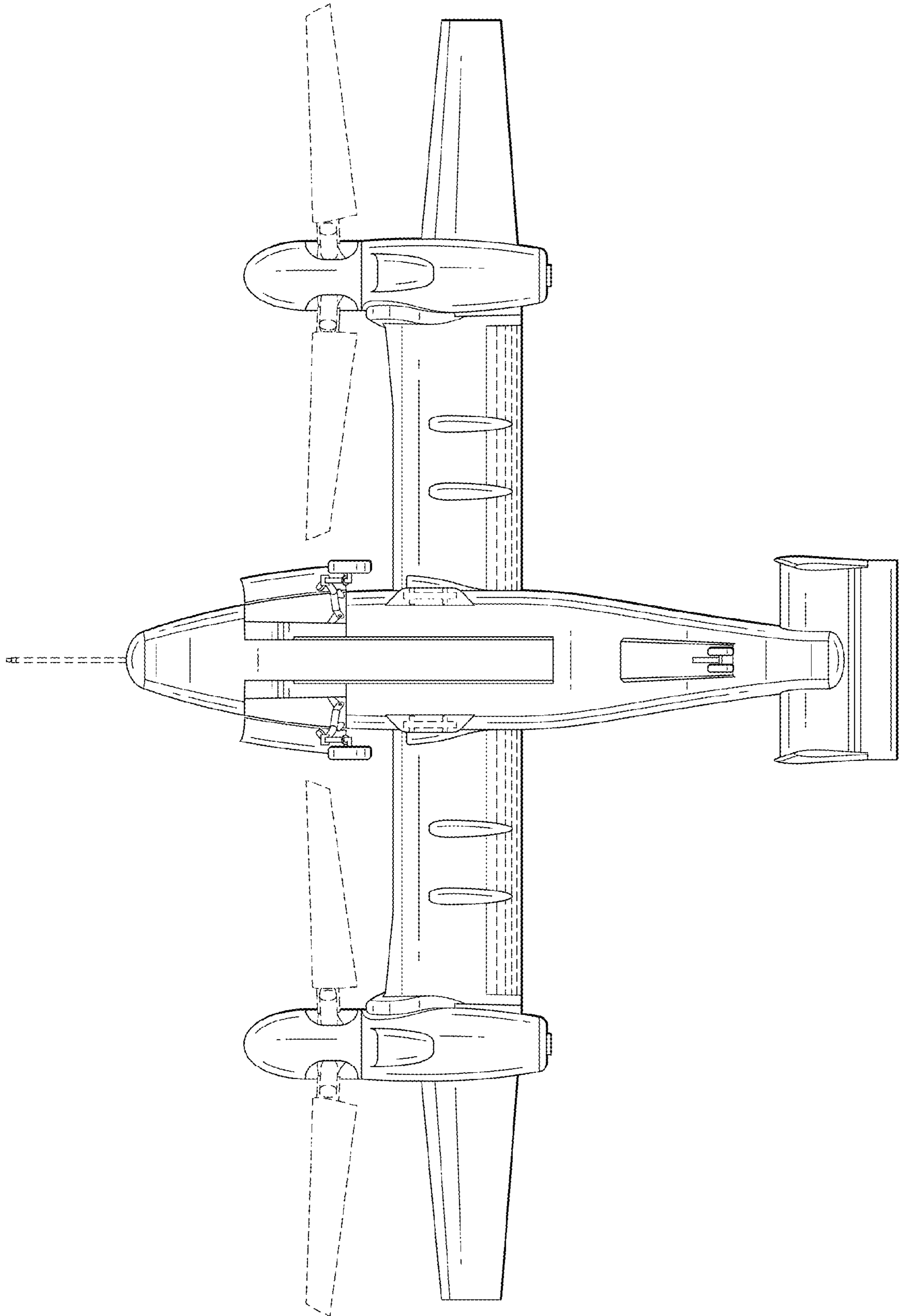


FIG. 7

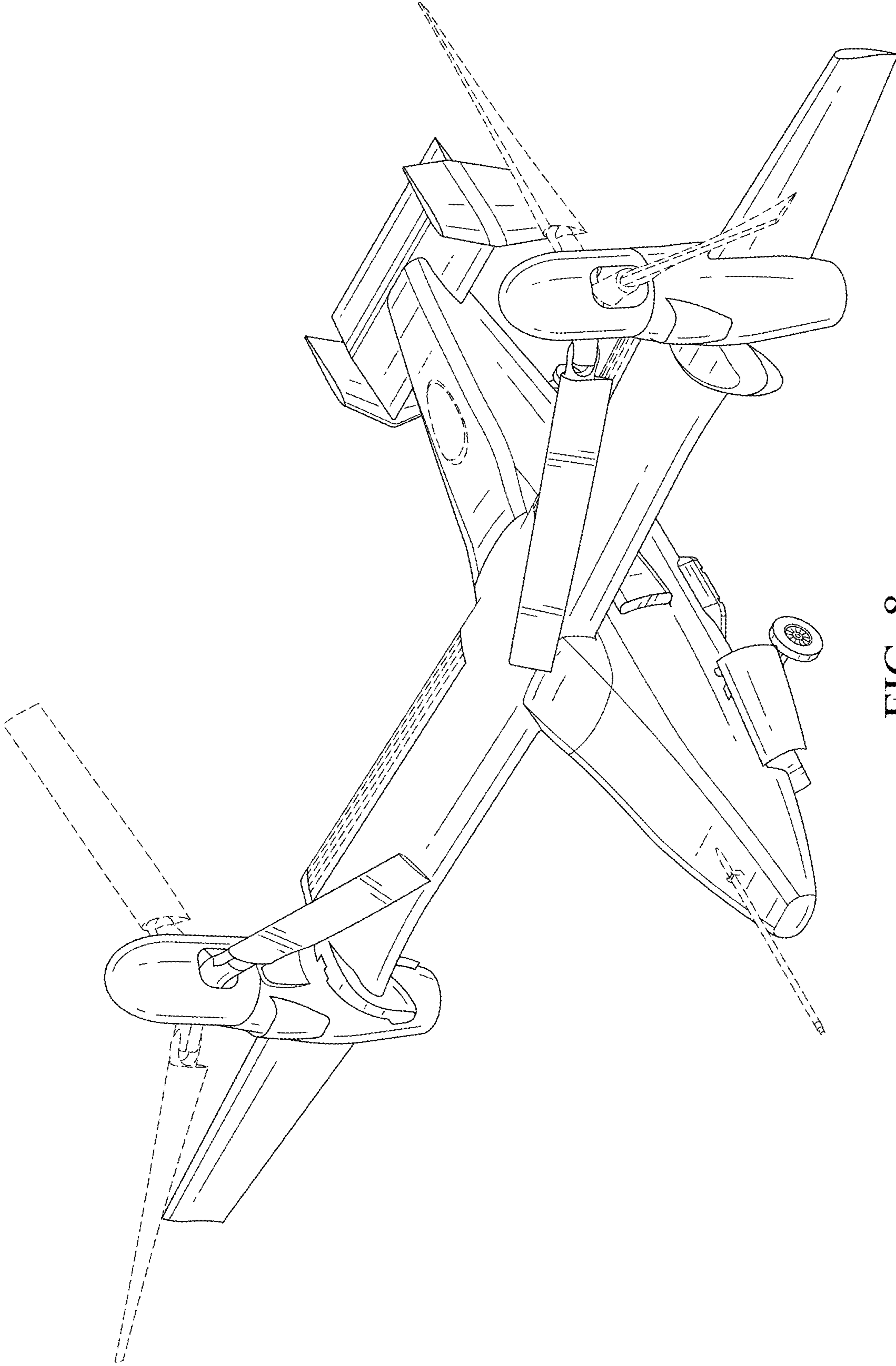


FIG. 8

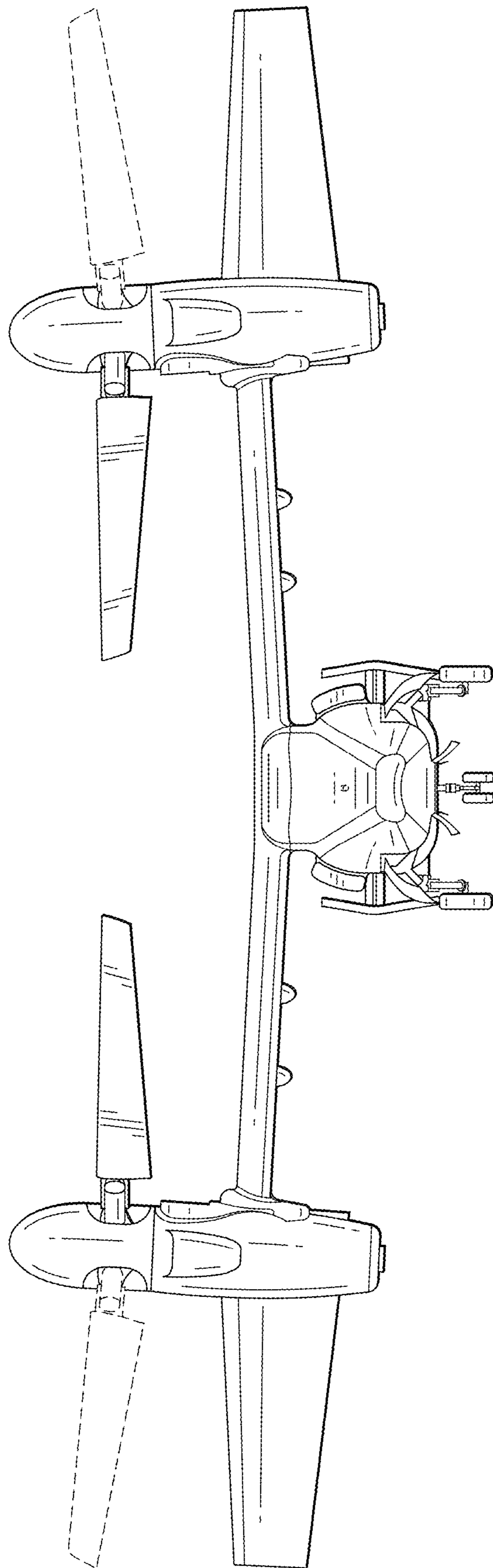


FIG. 9

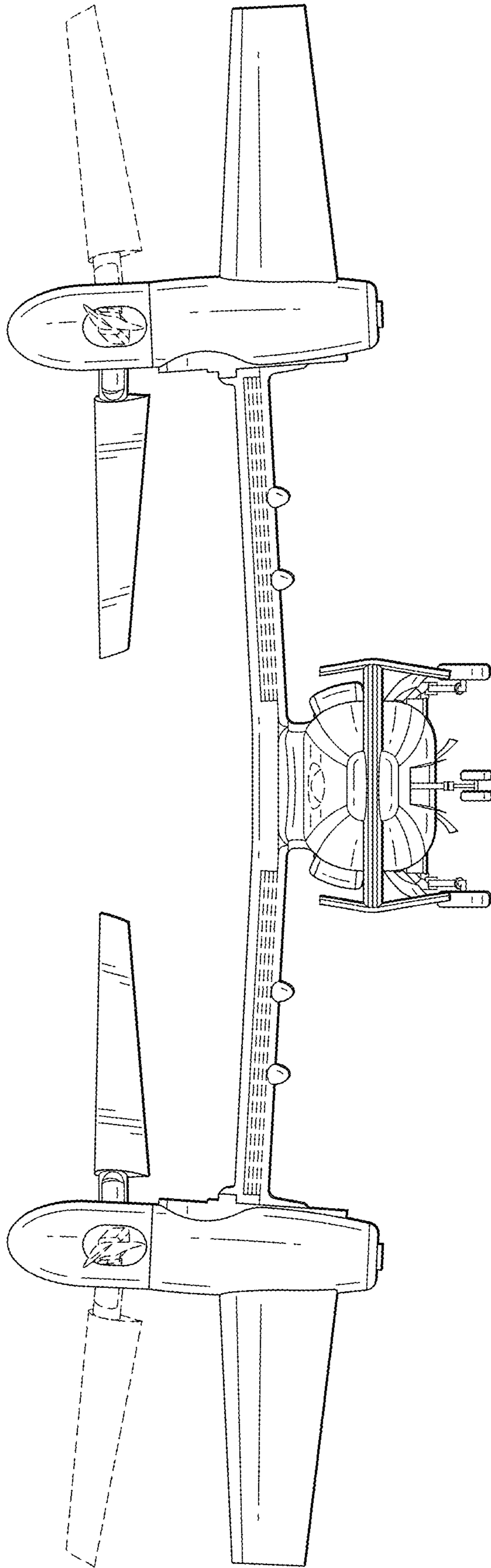


FIG. 10



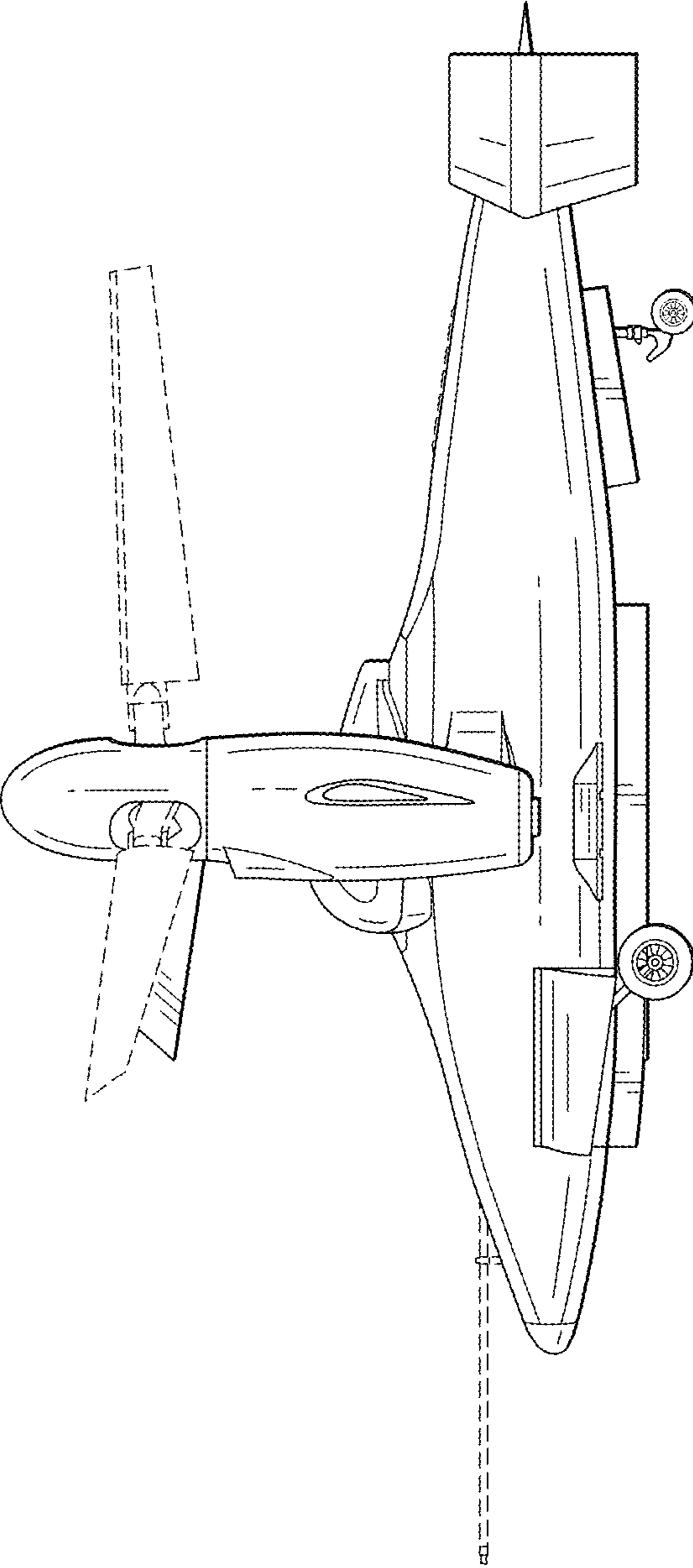


FIG. 11

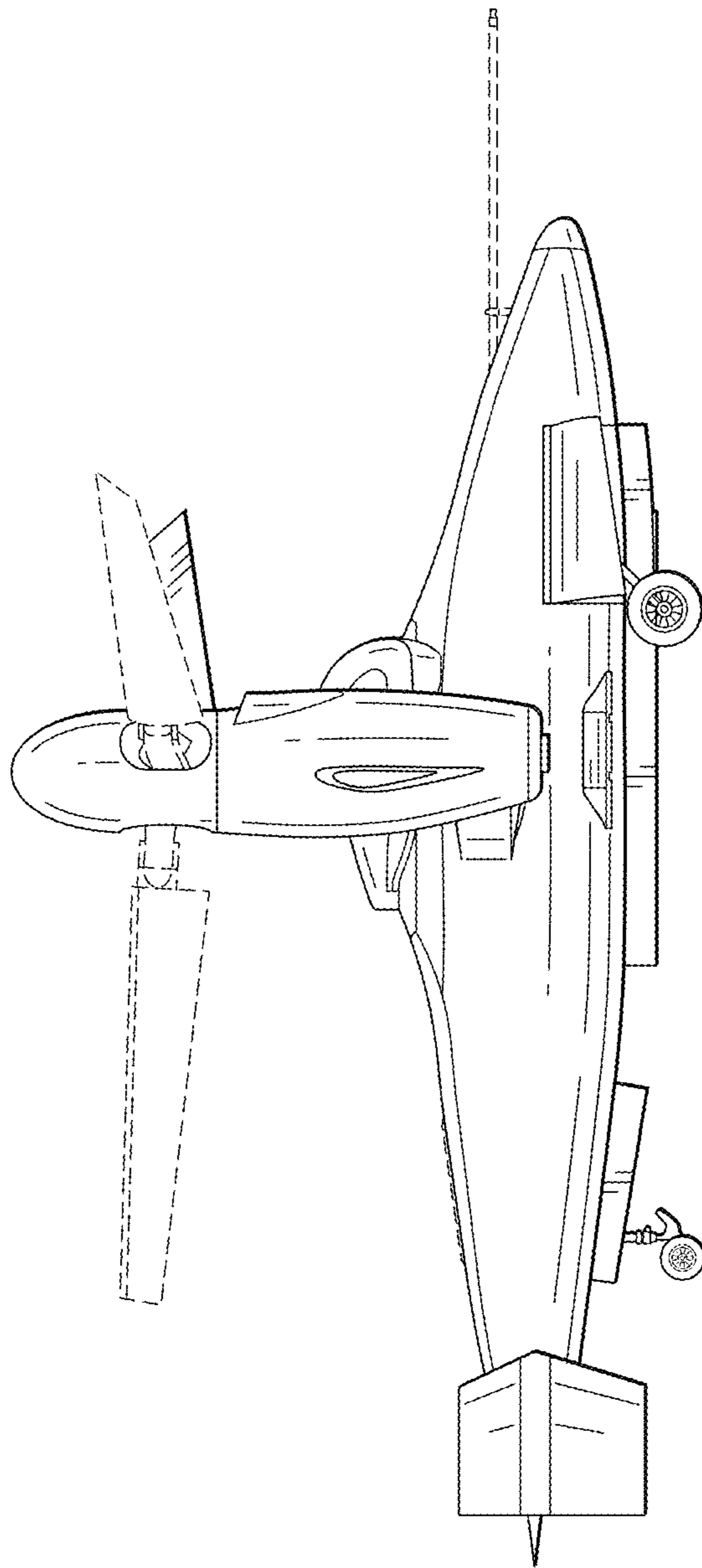


FIG. 12

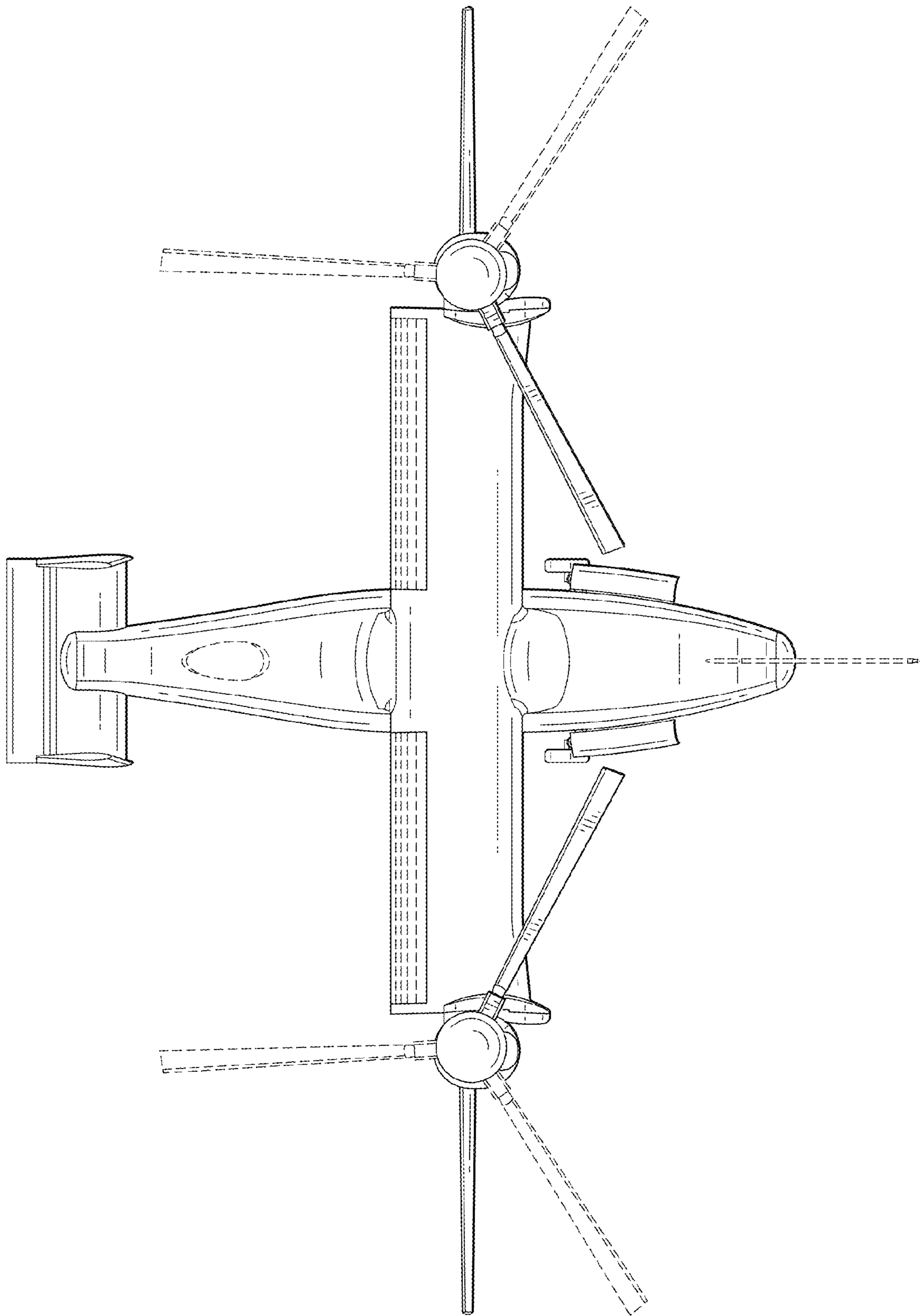


FIG. 13

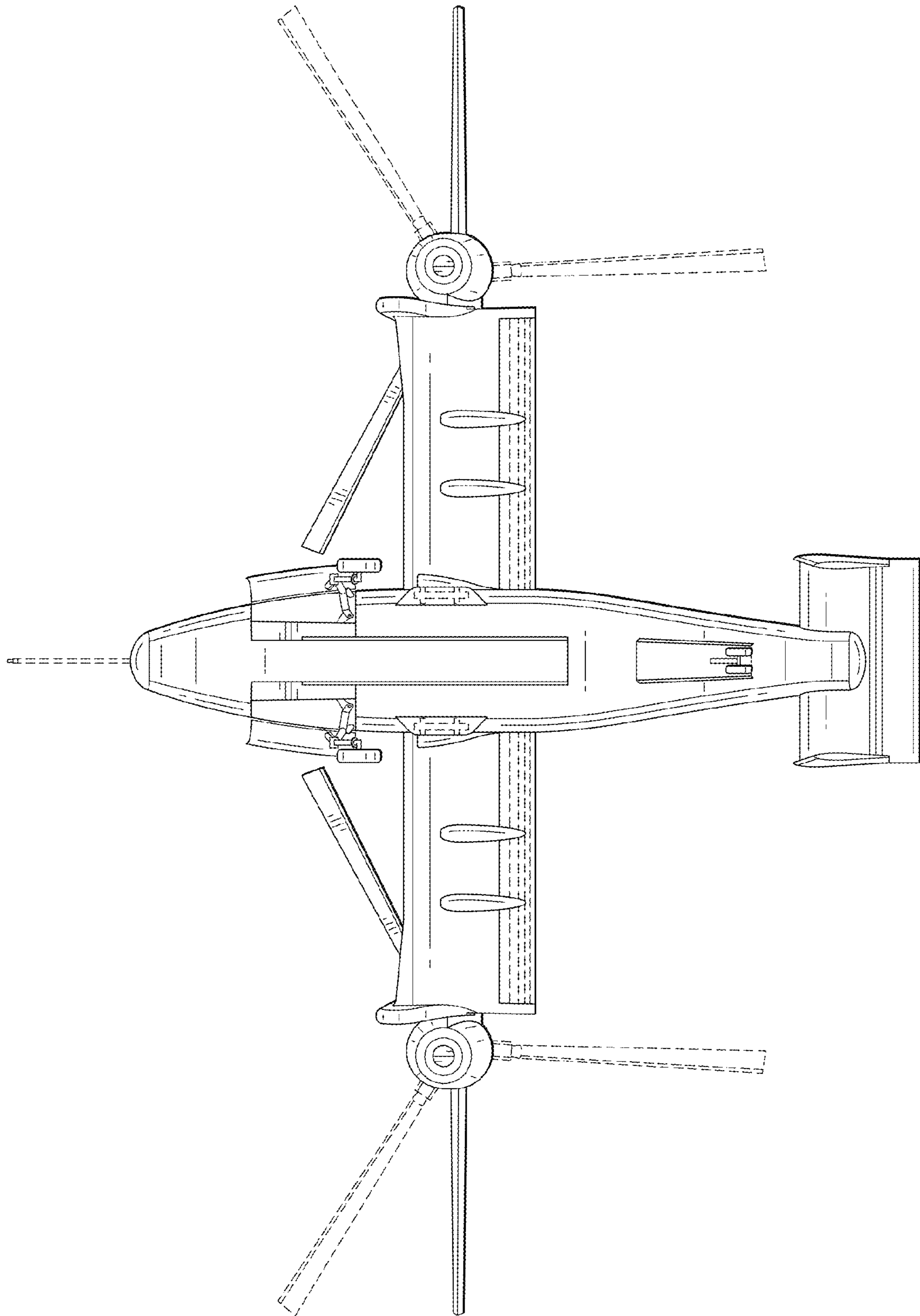


FIG. 14



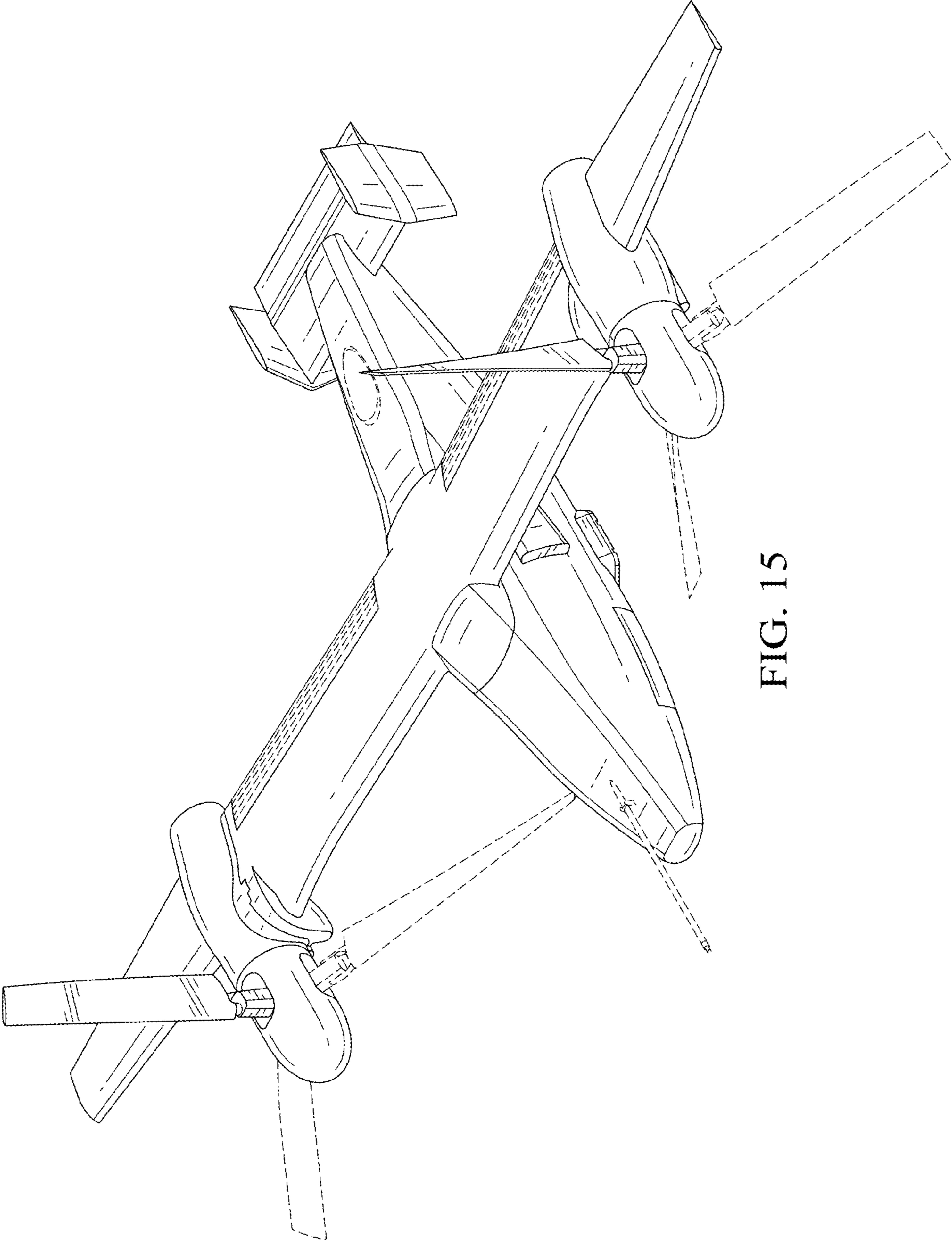


FIG. 15

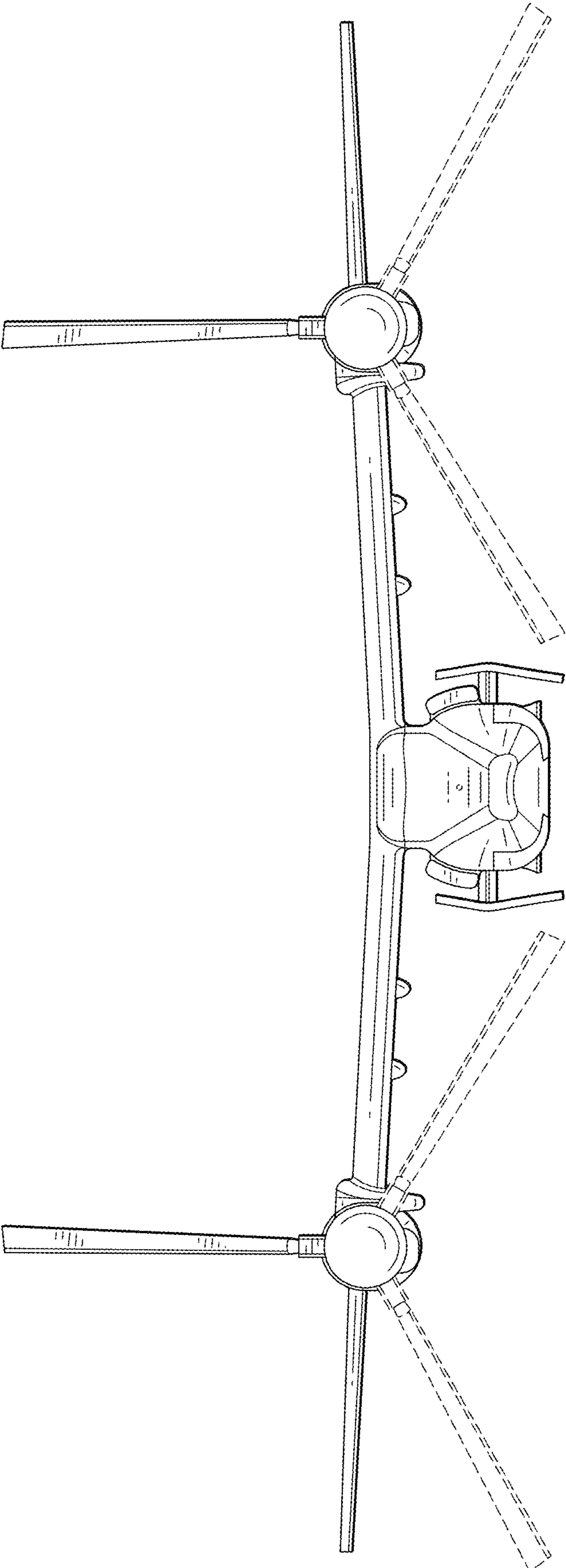


FIG. 16

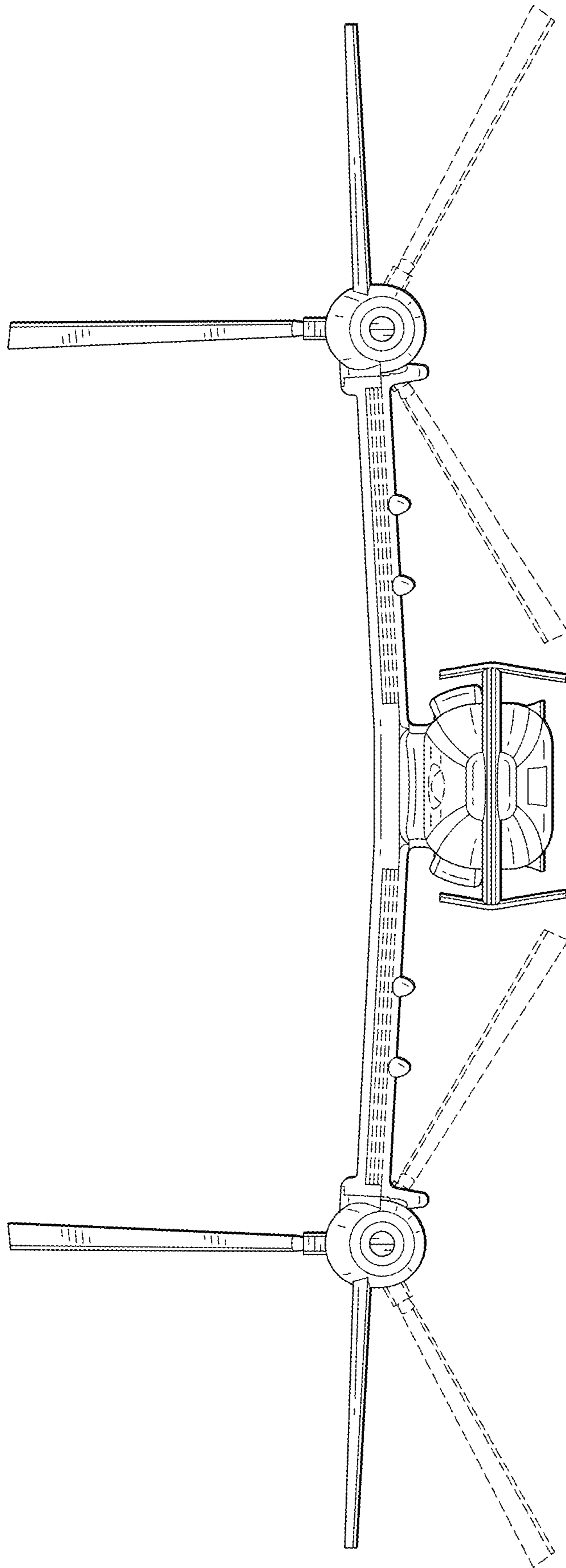


FIG. 17

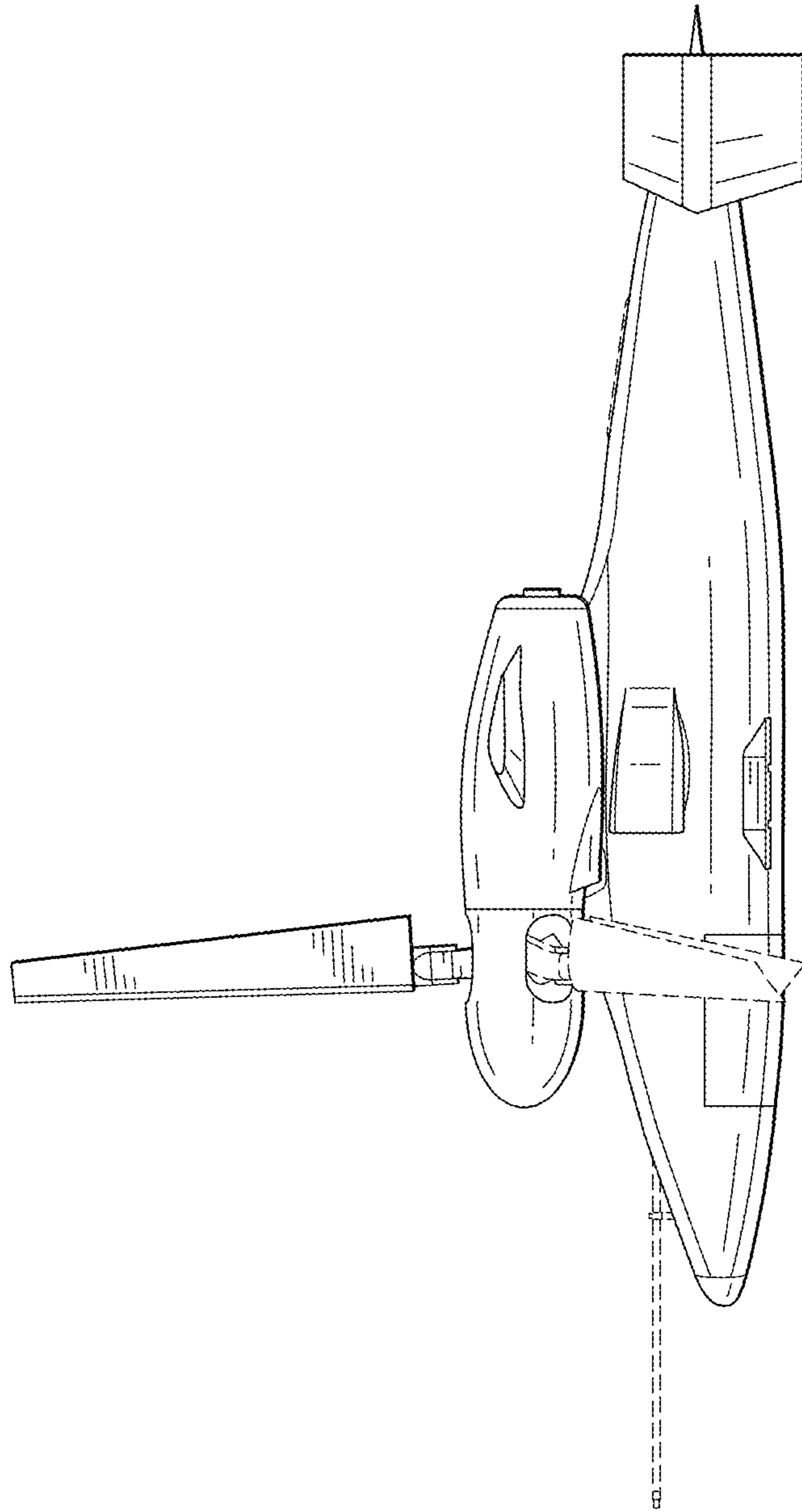


FIG. 18



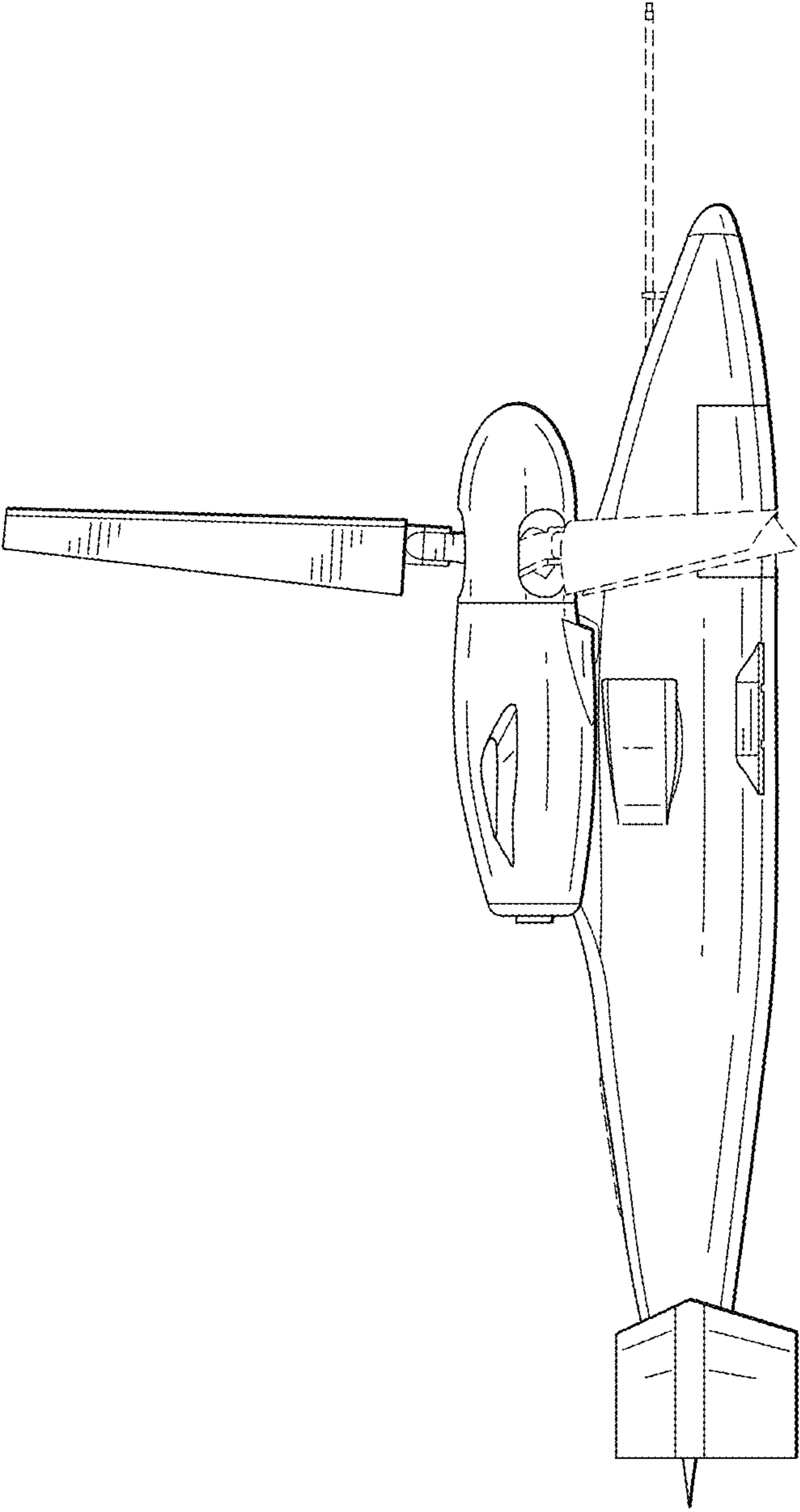


FIG. 19

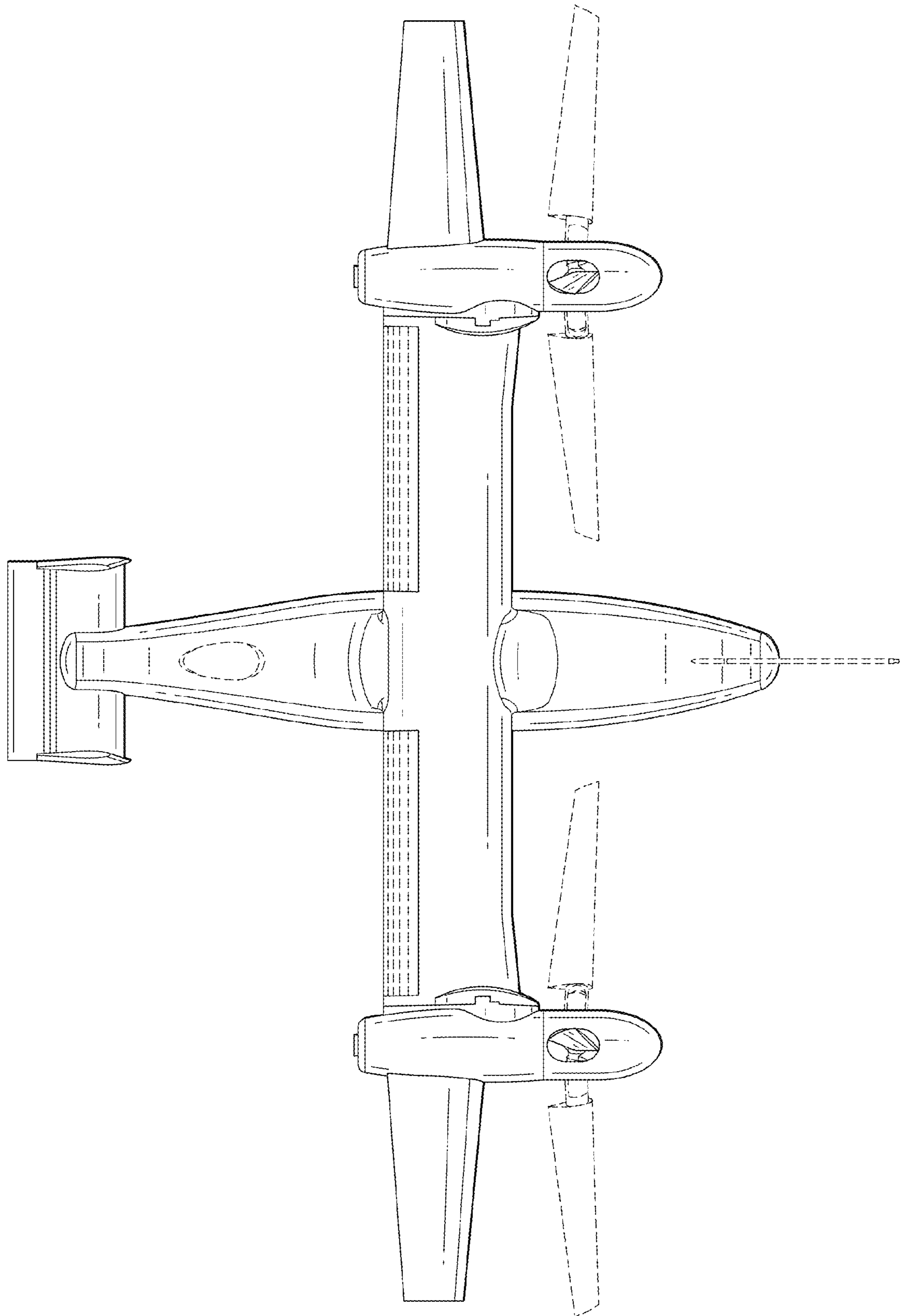


FIG. 20

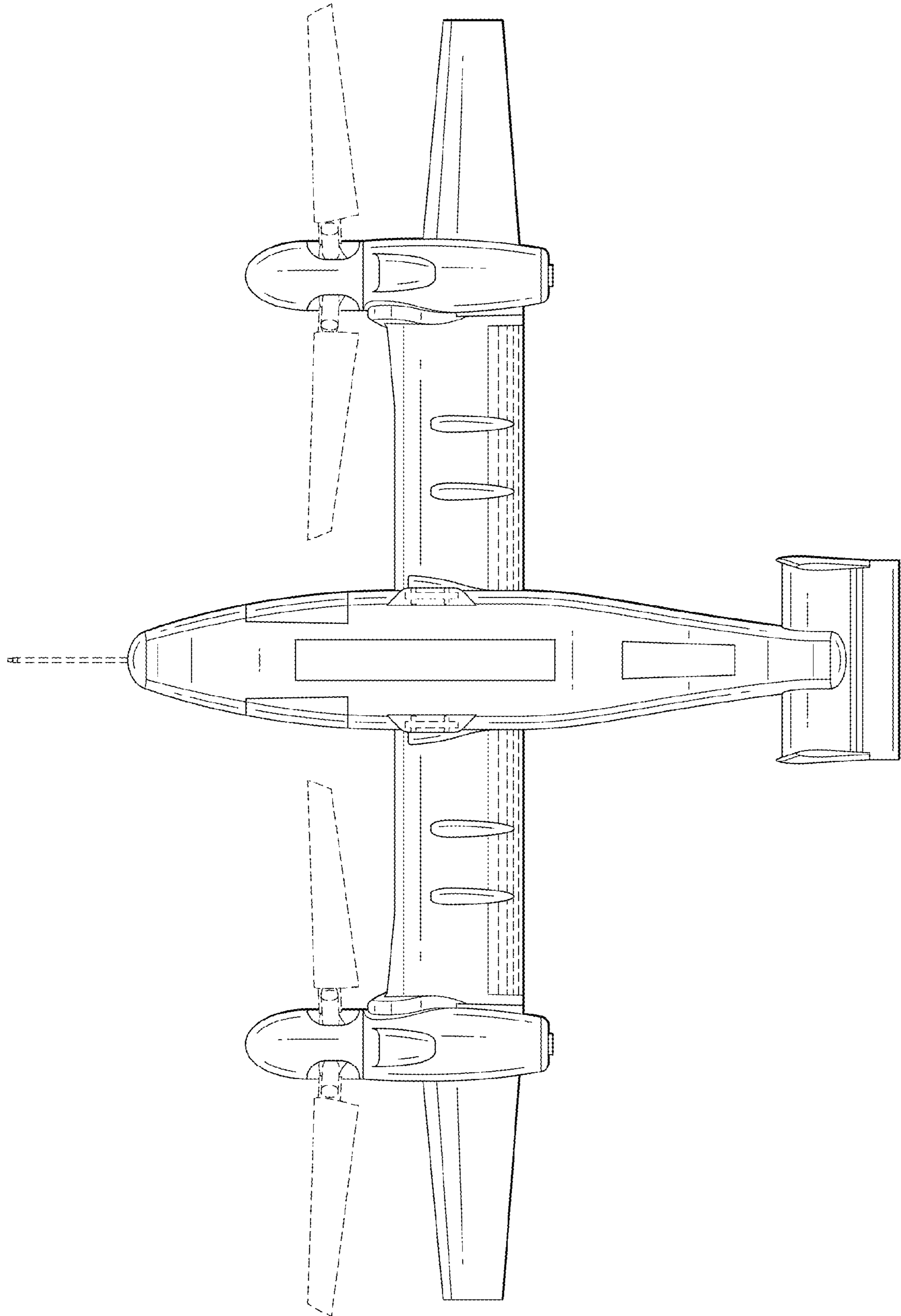


FIG. 21

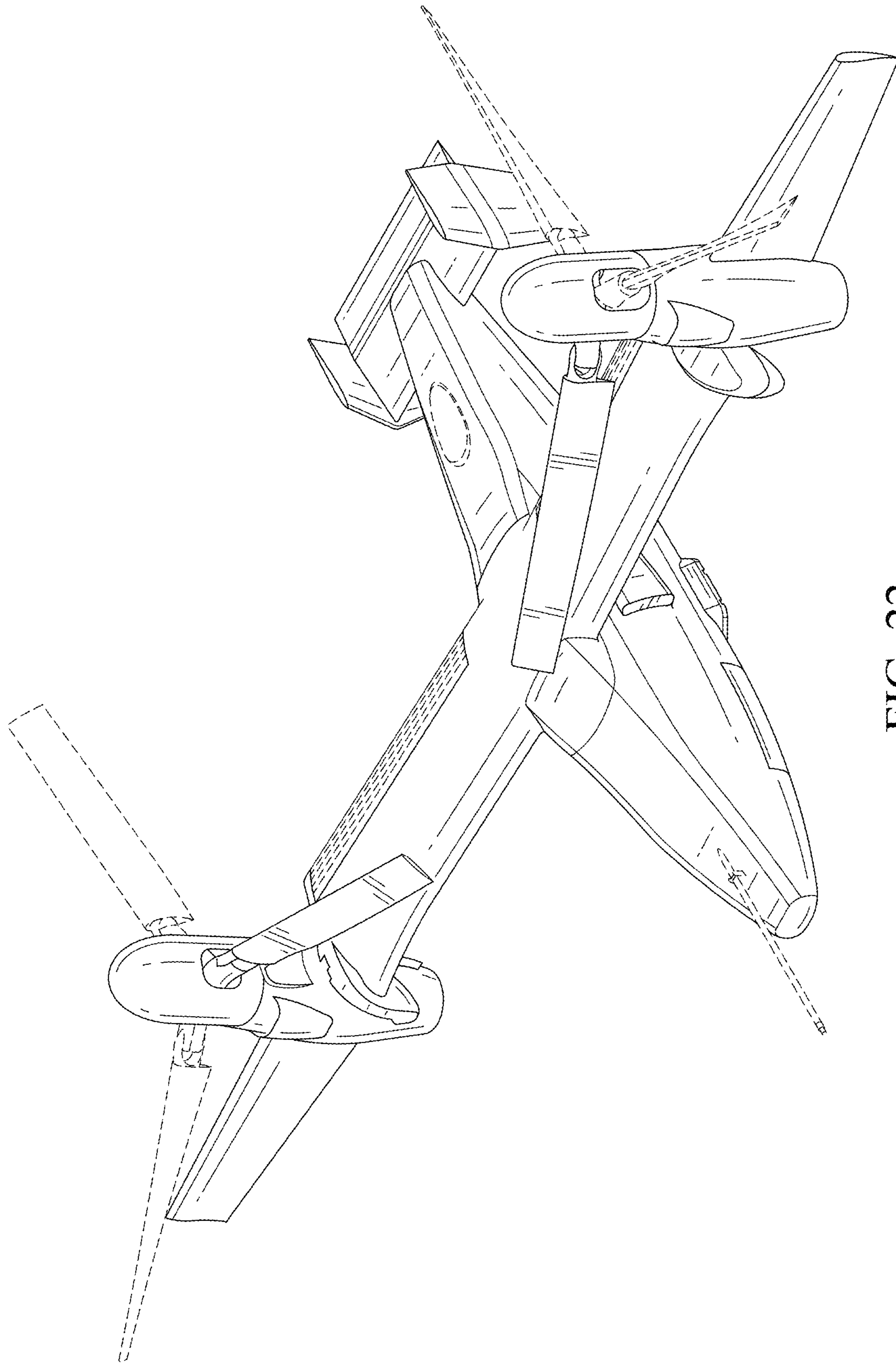


FIG. 22



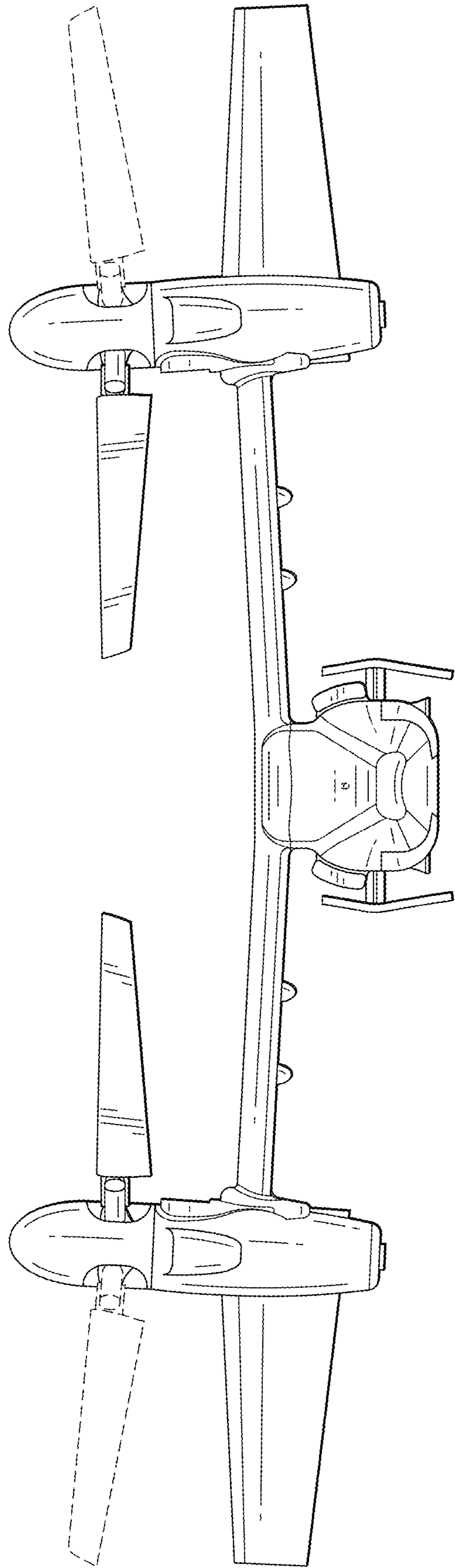


FIG. 23

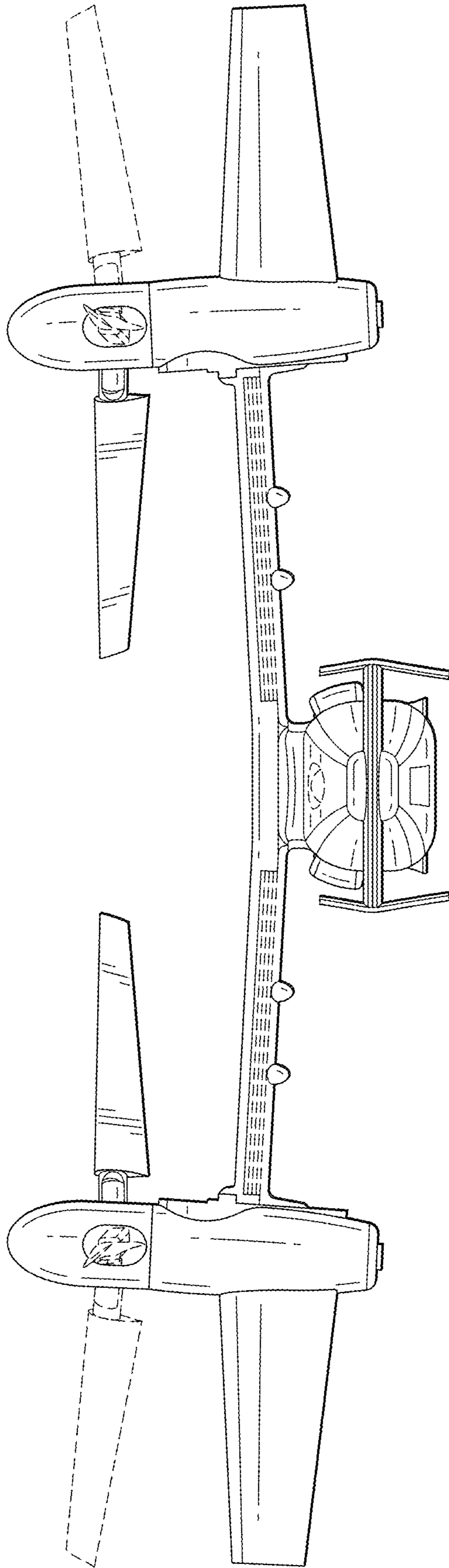


FIG. 24

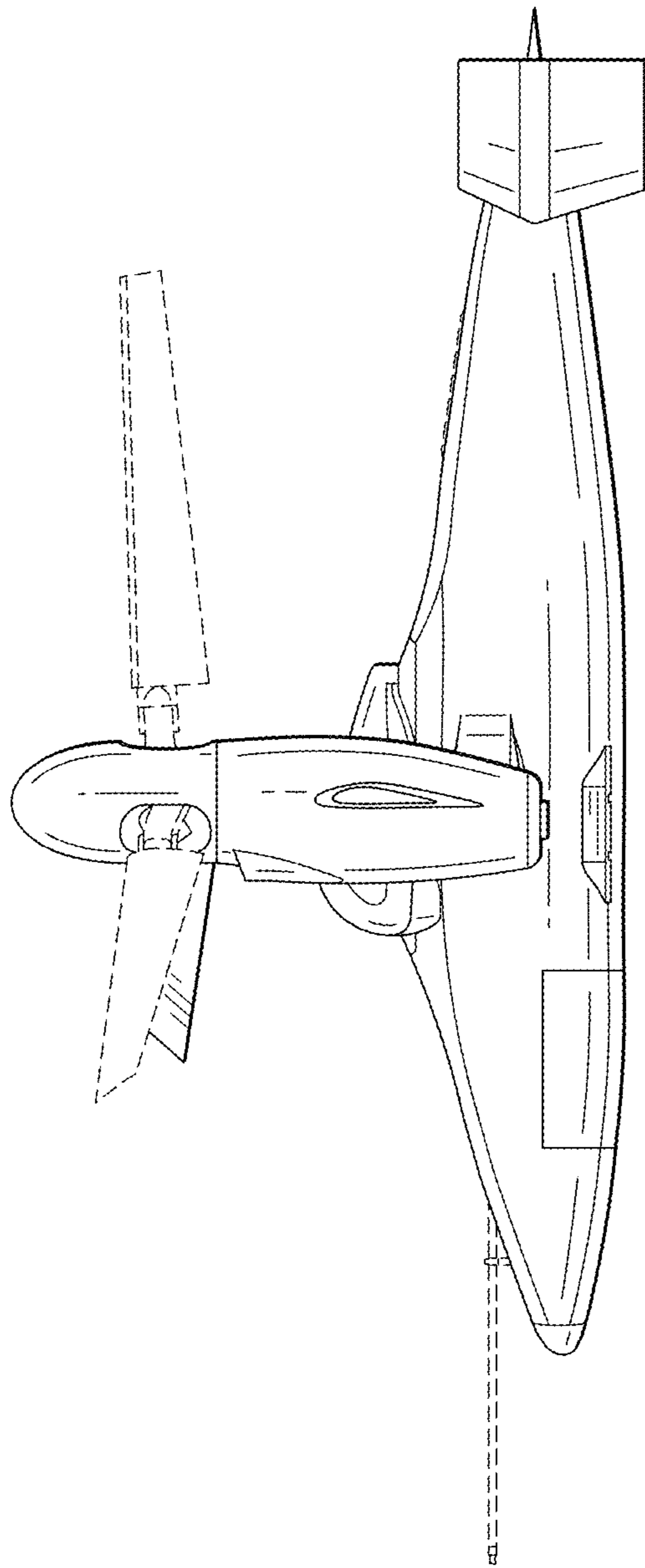


FIG. 25

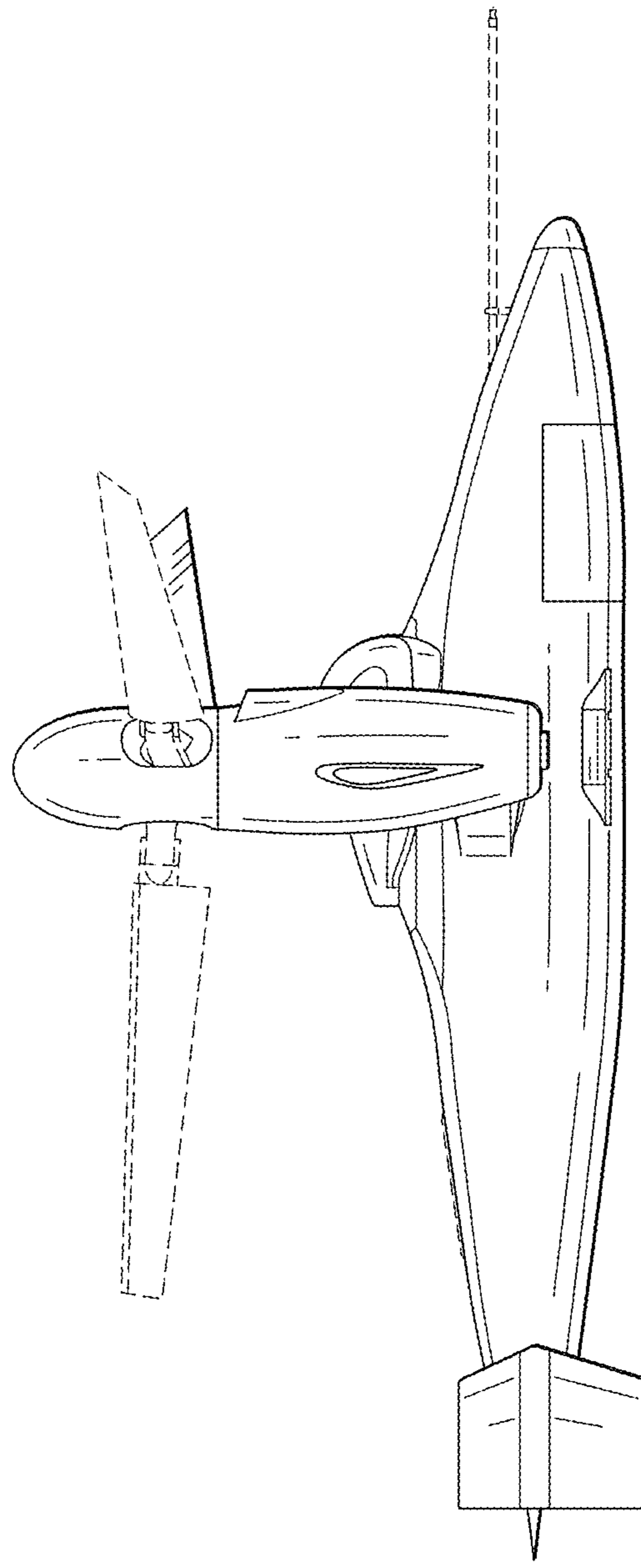


FIG. 26

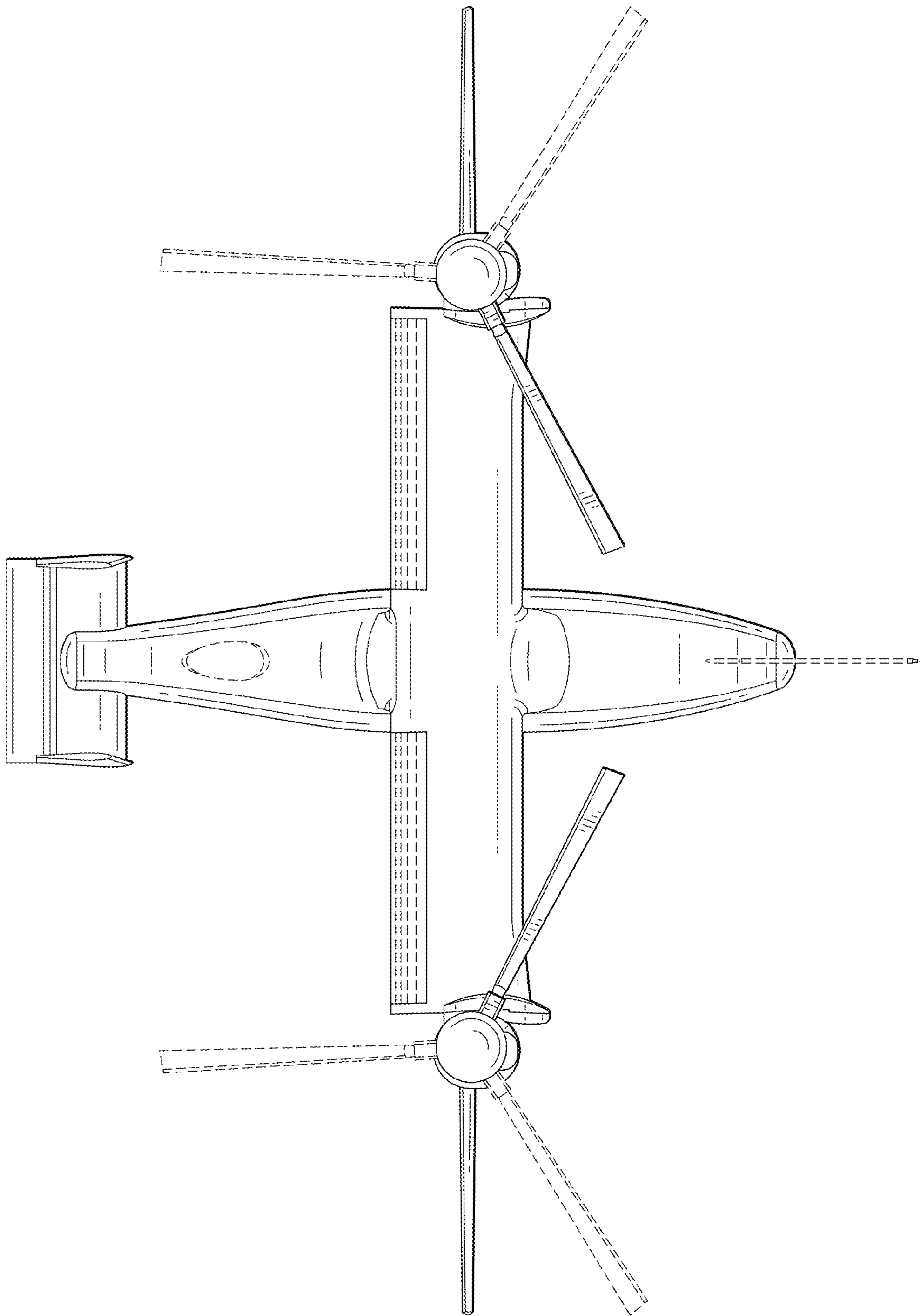


FIG. 27



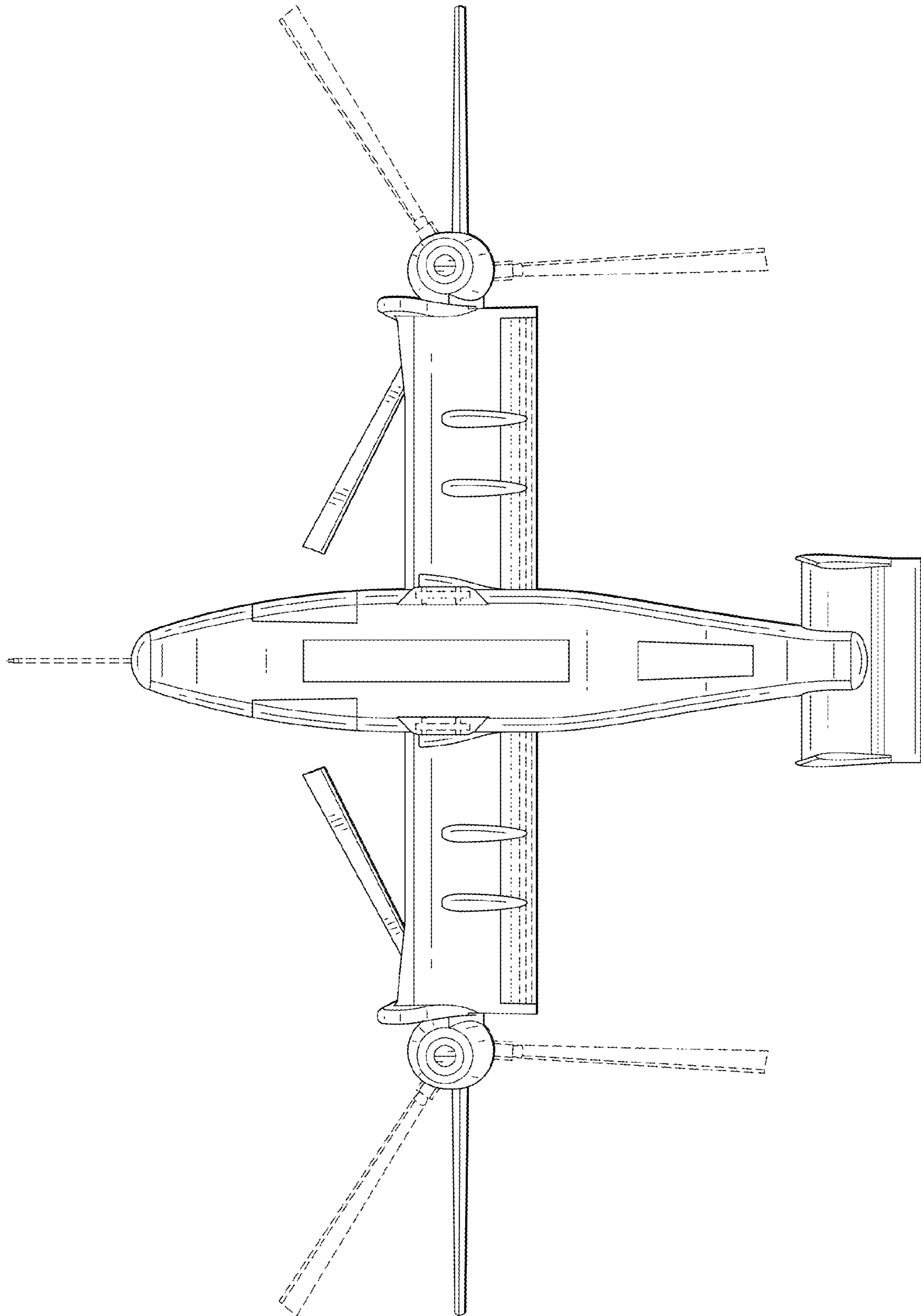


FIG. 28

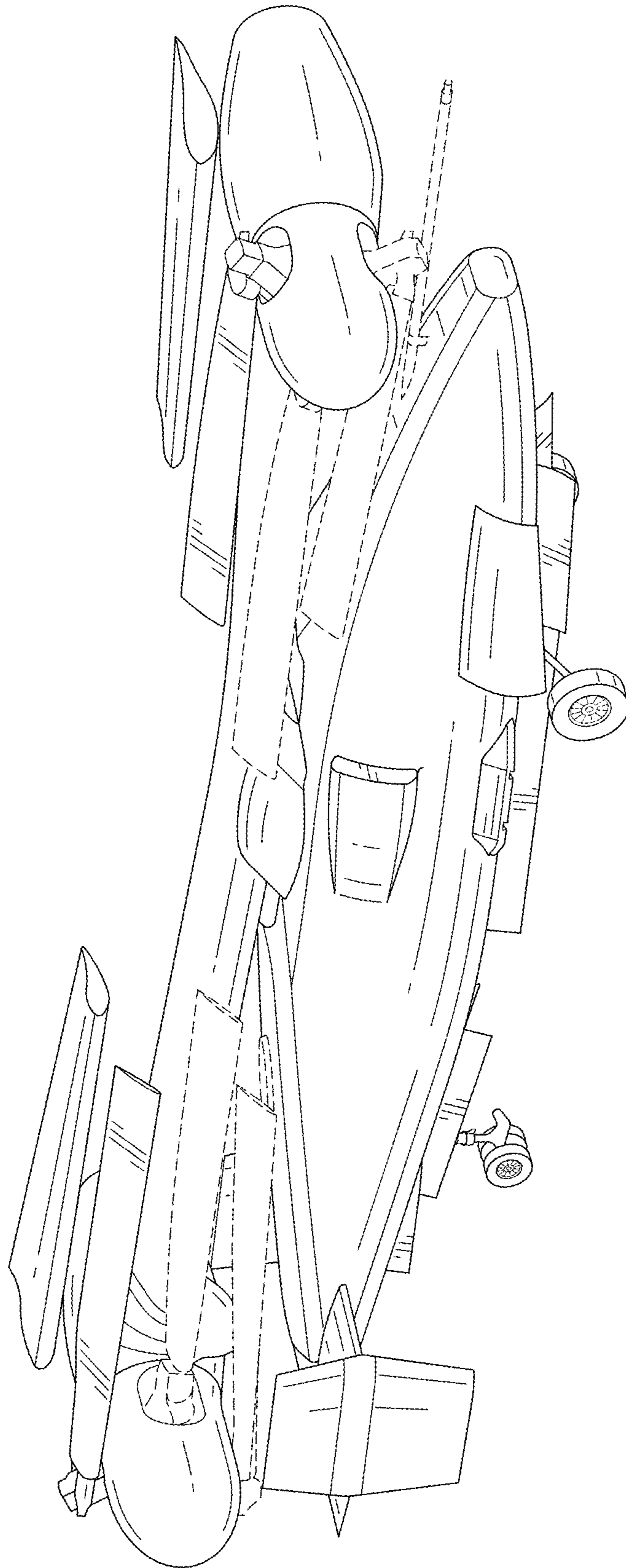


FIG. 29

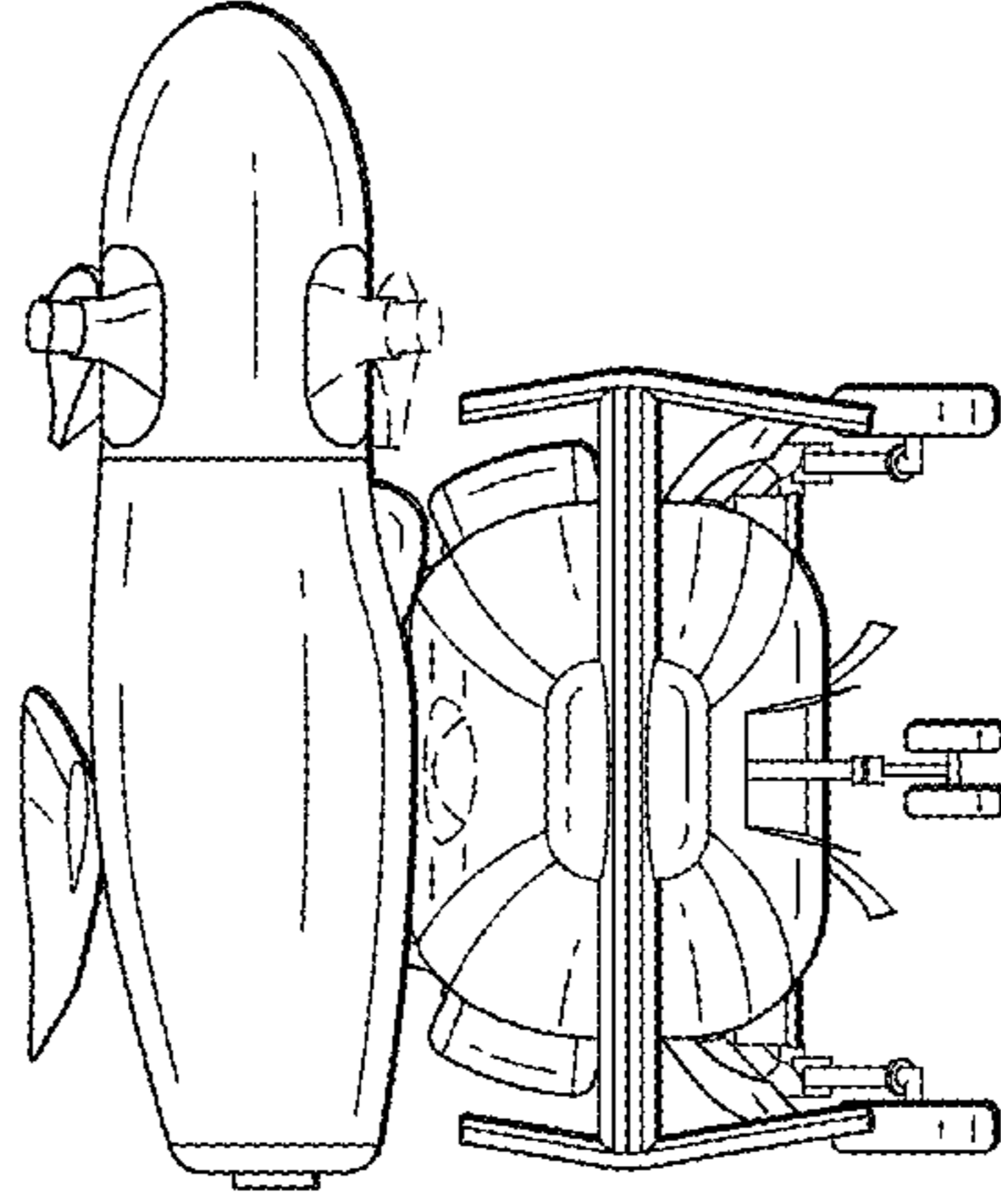


FIG. 31

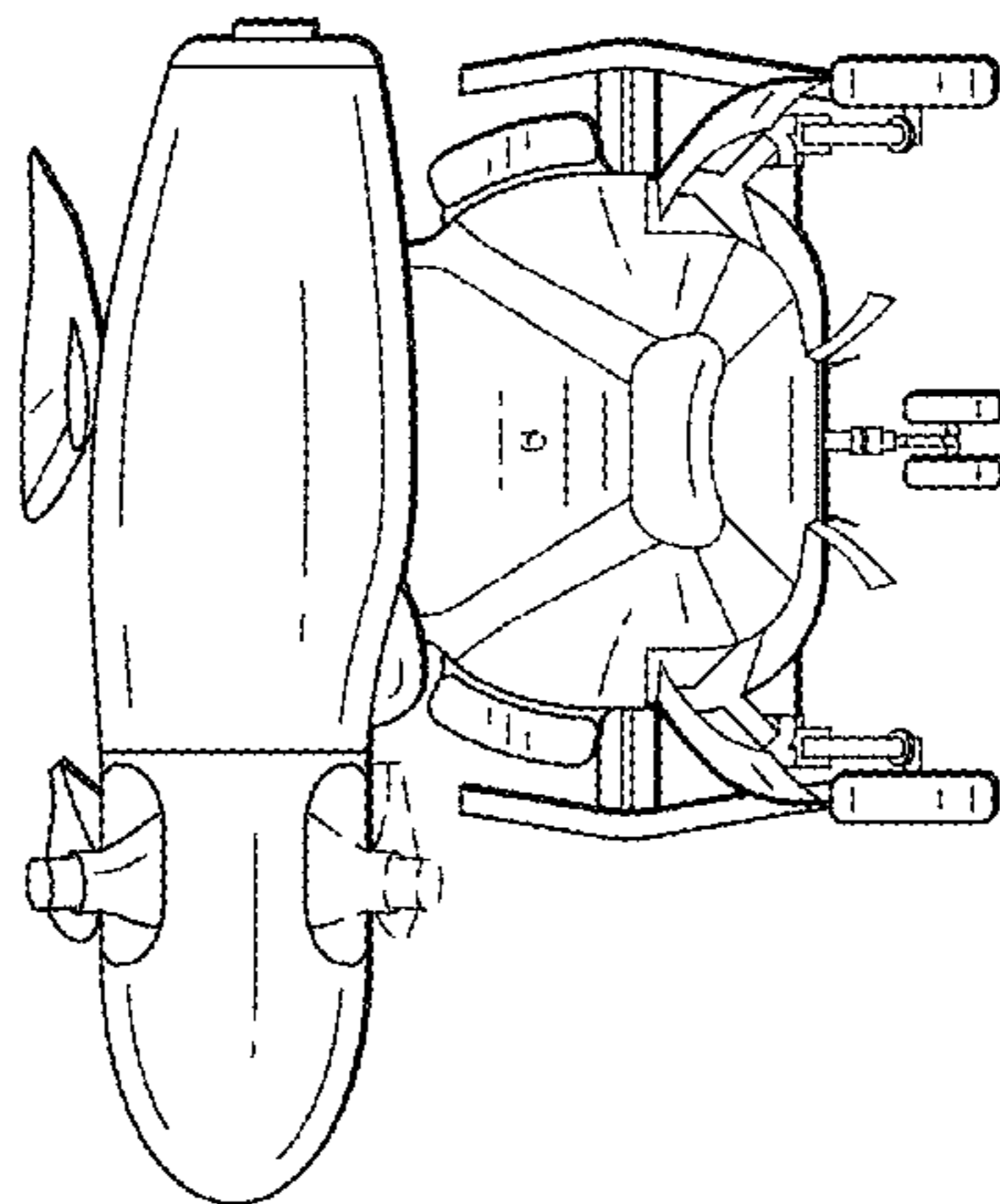


FIG. 30

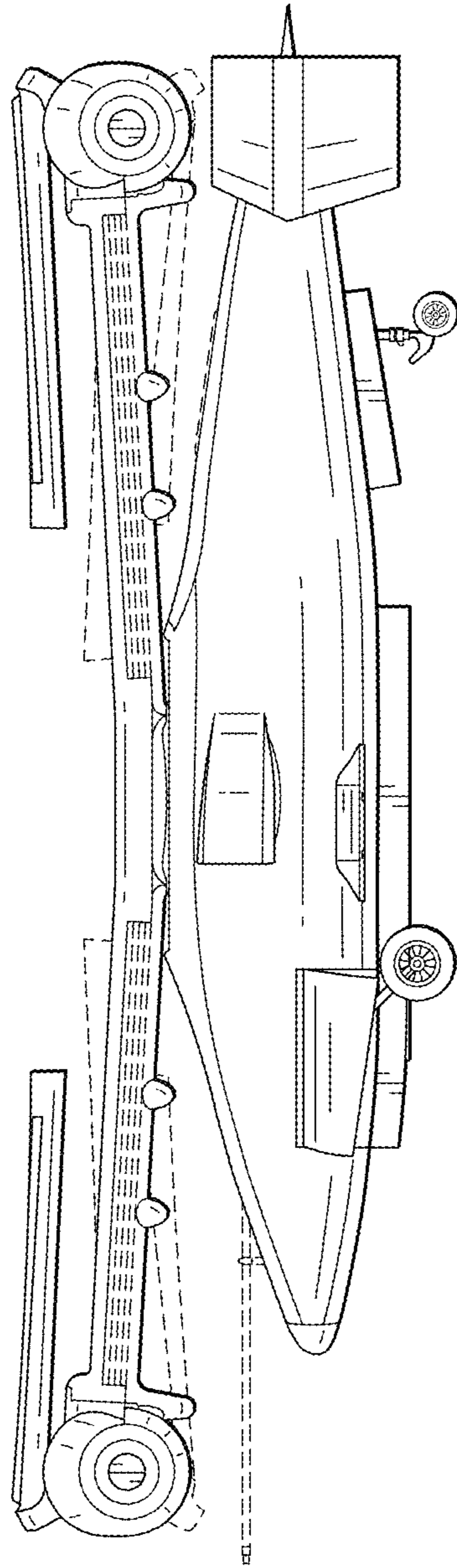


FIG. 32

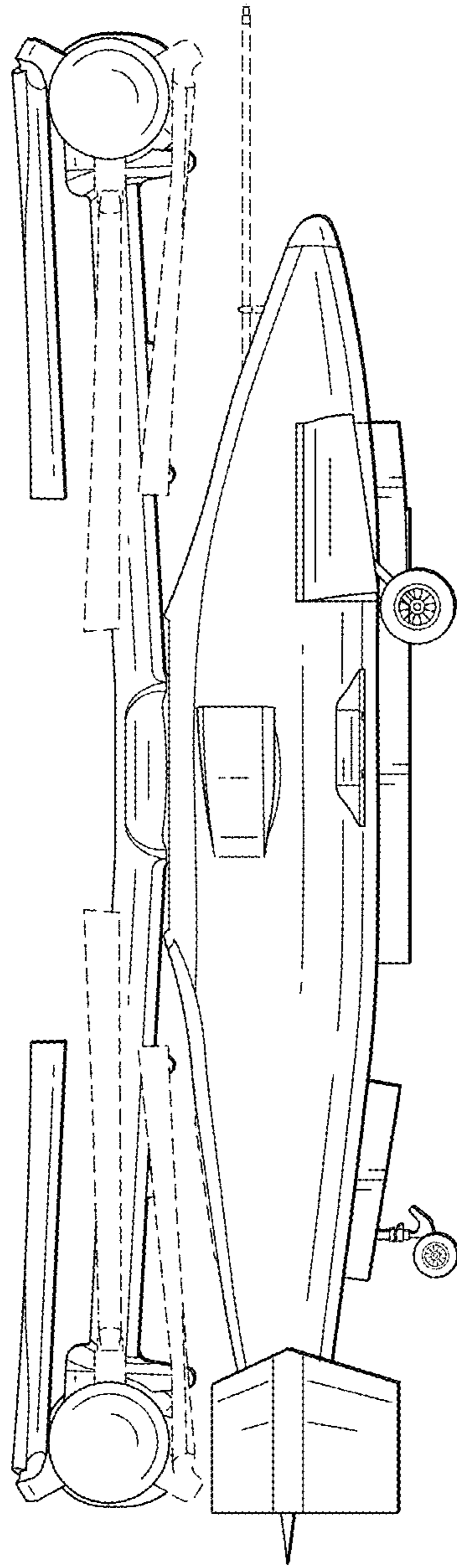


FIG. 33



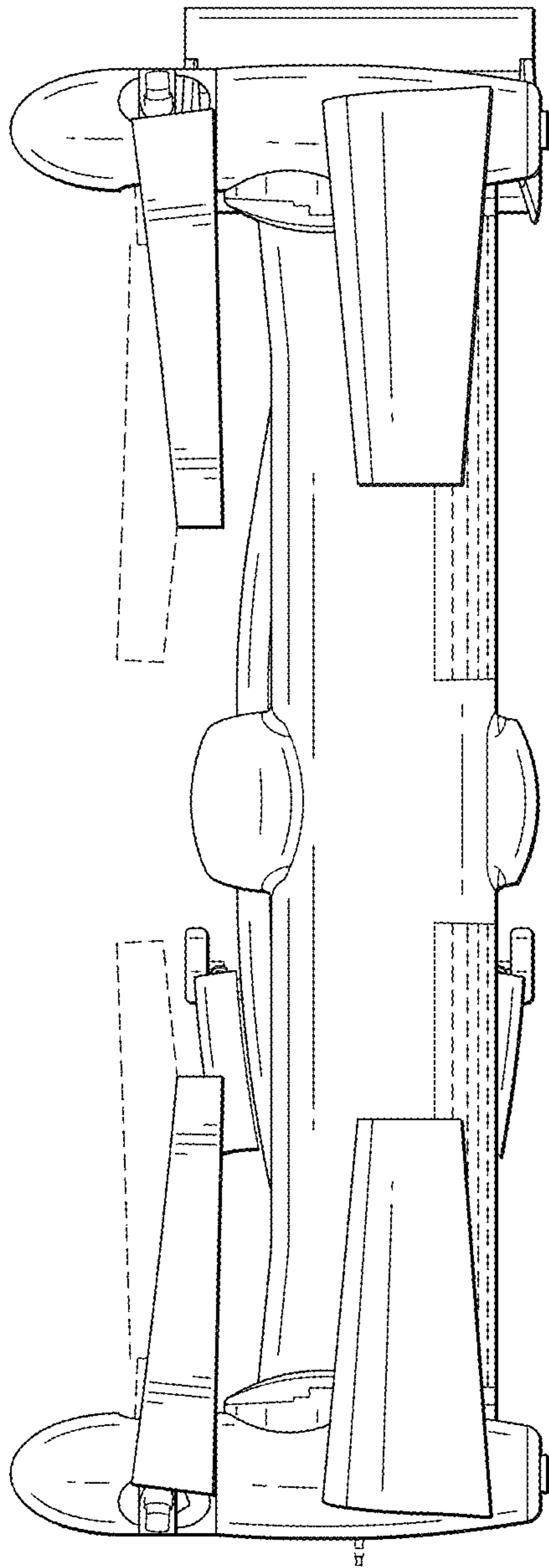


FIG. 34

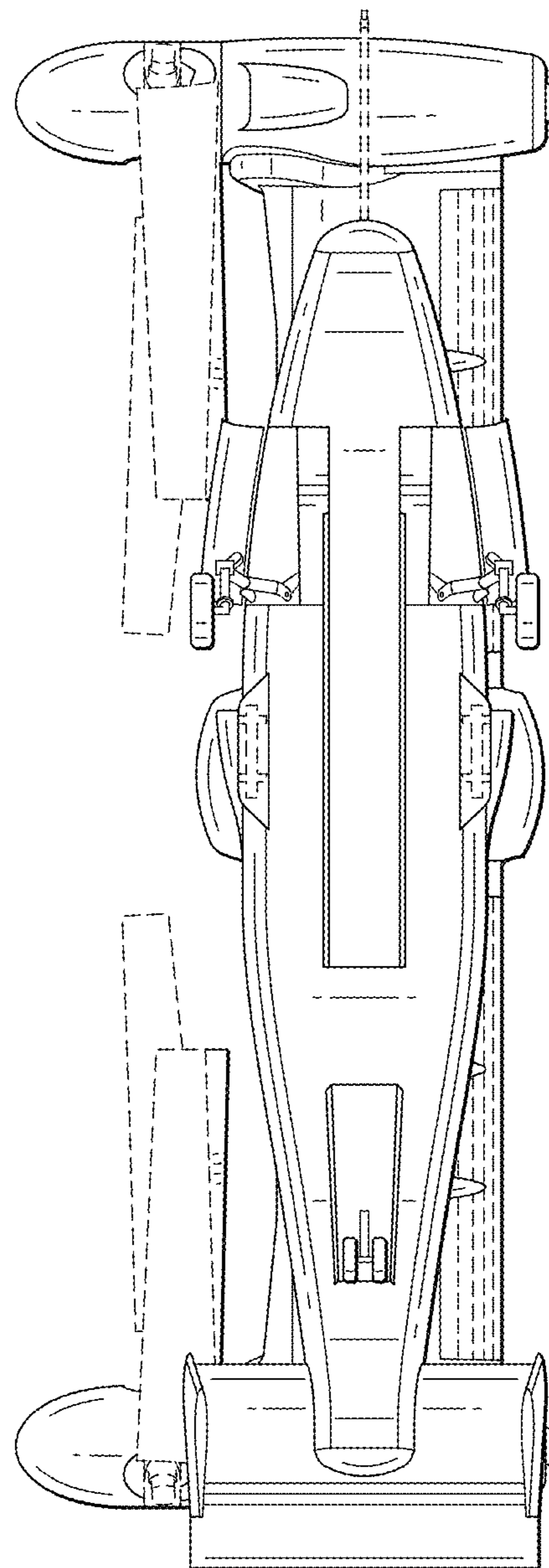


FIG. 35