



US00D989686S

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

(10) **Patent No.:** **US D989,686 S**  
(45) **Date of Patent:** **\*\* Jun. 20, 2023**

(54) **VERTICAL TAKE-OFF AND LANDING  
TILT-WING PASSENGER AIRCRAFT**

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(72) Inventors: **Gregory O. Bruell**, Rancho Santa Fe, CA (US); **Peter H. Schmidt**, Lexington, MA (US)

(73) Assignee: **Transcend Air Corporation**, Carlisle, MA (US)

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

(21) Appl. No.: **29/775,846**

(22) Filed: **Mar. 25, 2021**

**Related U.S. Application Data**

(62) Division of application No. 16/449,774, filed on Jun. 24, 2019, now Pat. No. 11,077,937.

(51) **LOC (14) 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, 441, D21/442, 443, 444, 446, 447, 448, 449, D21/450, 451, 453, 455

(Continued)

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(57) **CLAIM**

The ornamental design for a vertical take-off and landing tilt-wing passenger aircraft, as shown and described.

**DESCRIPTION**

FIG. 1 is a left front top perspective view of a vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 2 is a left front bottom perspective view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 3 is a front view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 4 is a back view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 5 is a right side view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 6 is a left side view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 7 is a top view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 8 is a bottom view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear down;

FIG. 9 is a left front top perspective view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;

FIG. 10 is a left front bottom perspective view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;

FIG. 11 is a front view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;

FIG. 12 is a back view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;

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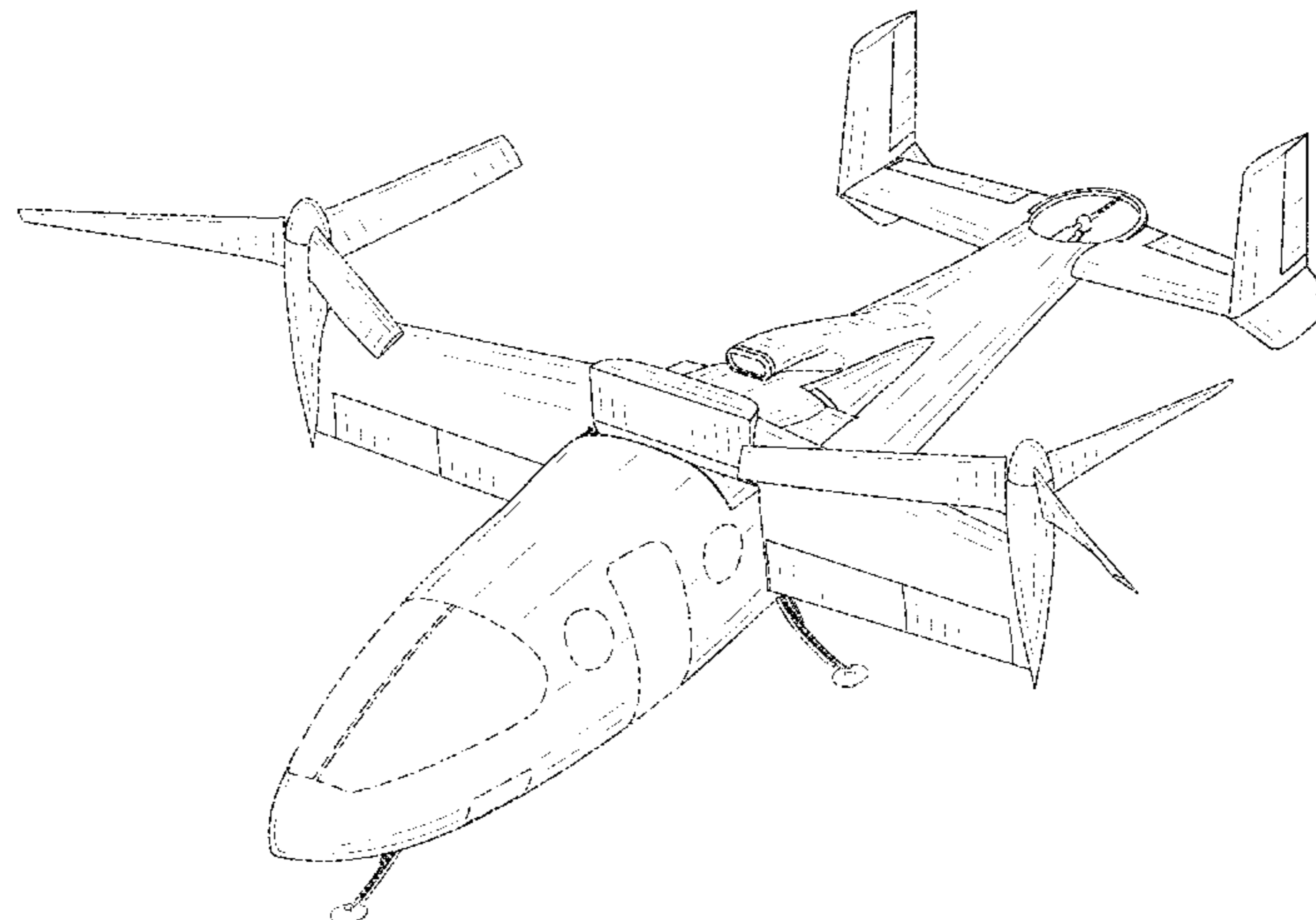


FIG. 13 is a right side view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;  
 FIG. 14 is a left side view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;  
 FIG. 15 is a top view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;  
 FIG. 16 is a bottom view of the vertical take-off and landing tilt-wing passenger aircraft with landing gear up;  
 FIG. 17 is left front top perspective view of the vertical take-off and landing tilt-wing passenger aircraft, shown in an alternate configuration of use, with landing gear up;  
 FIG. 18 is a left front bottom perspective view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up;  
 FIG. 19 is a front view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up;  
 FIG. 20 is a back view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up;  
 FIG. 21 is a right side view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up;  
 FIG. 22 is a left side view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up;  
 FIG. 23 is a top view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up; and,  
 FIG. 24 is a bottom view of the vertical take-off and landing tilt-wing passenger aircraft, shown in the alternate configuration of use, with landing gear up.

The broken lines in the drawings depict portions of the aircraft that form no part of the claim.

**1 Claim, 18 Drawing Sheets**

(58) **Field of Classification Search**

CPC ... B64C 2201/021; B64C 13/16; B64C 19/00;  
 B64C 2201/141; B64C 2201/102; B60H  
 1/3442

See application file for complete search history.

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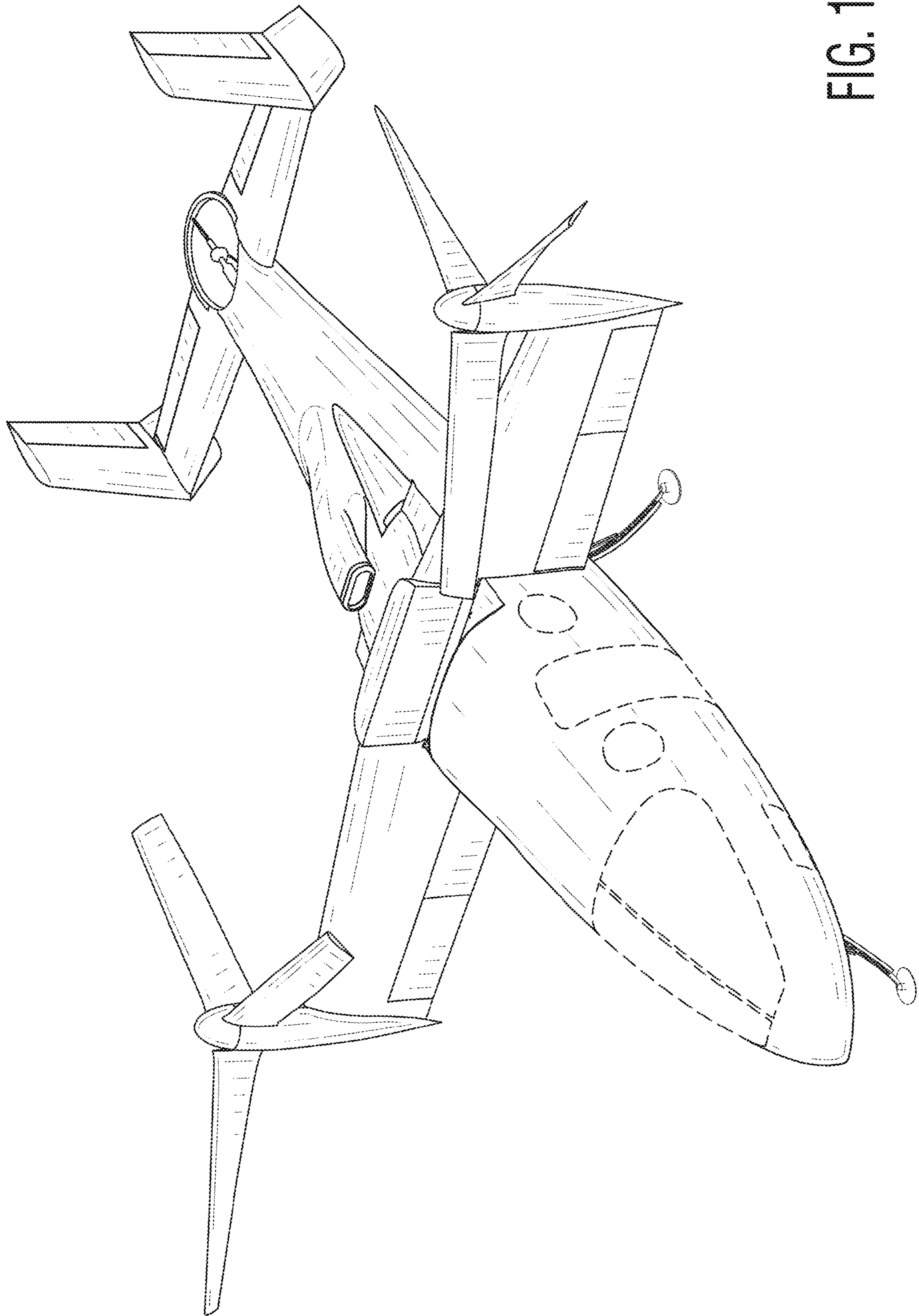


FIG. 1

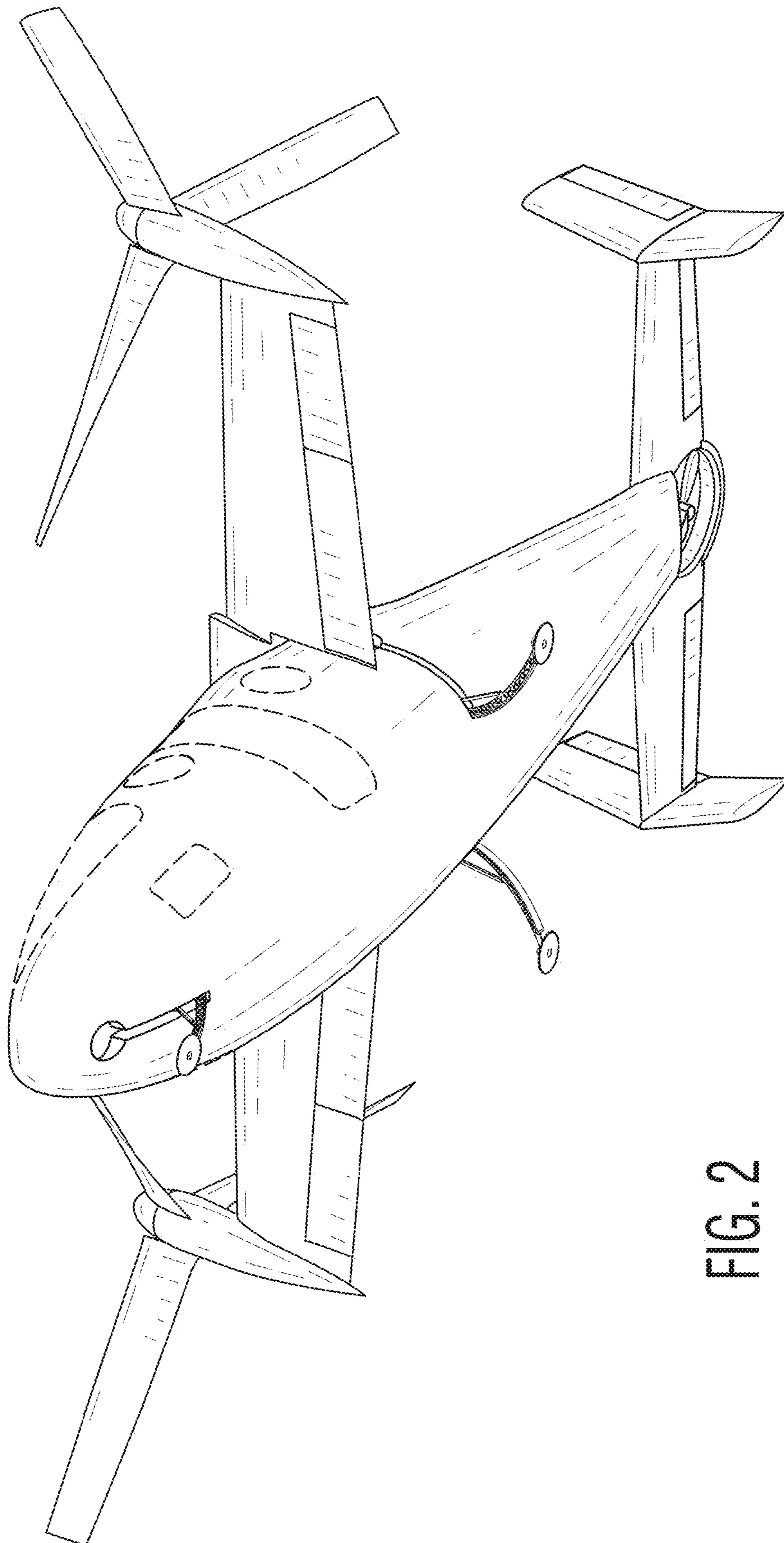


FIG. 2

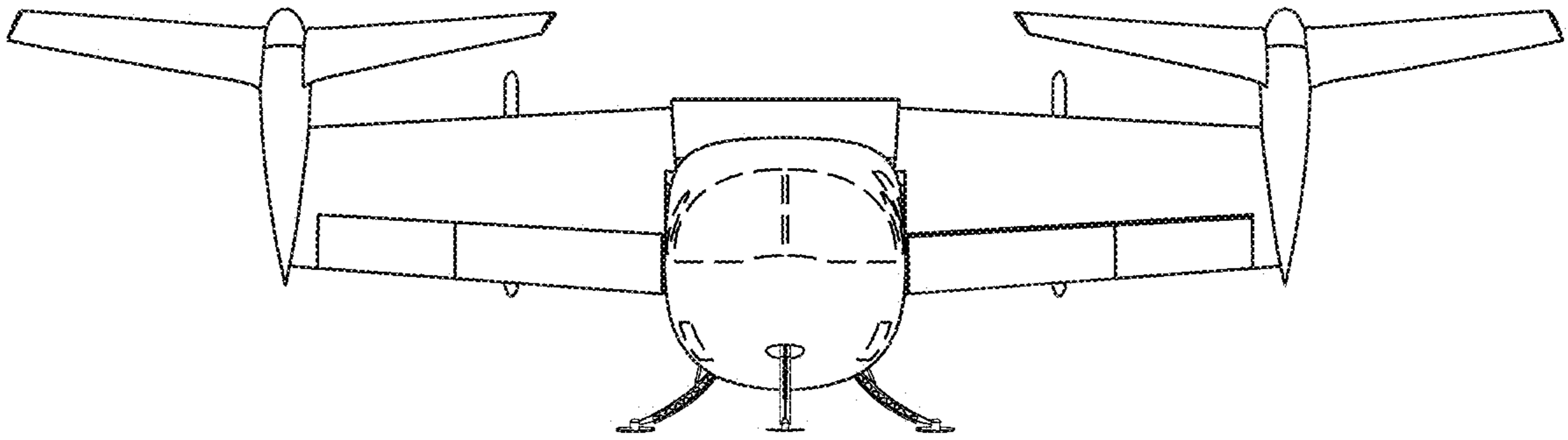


FIG. 3

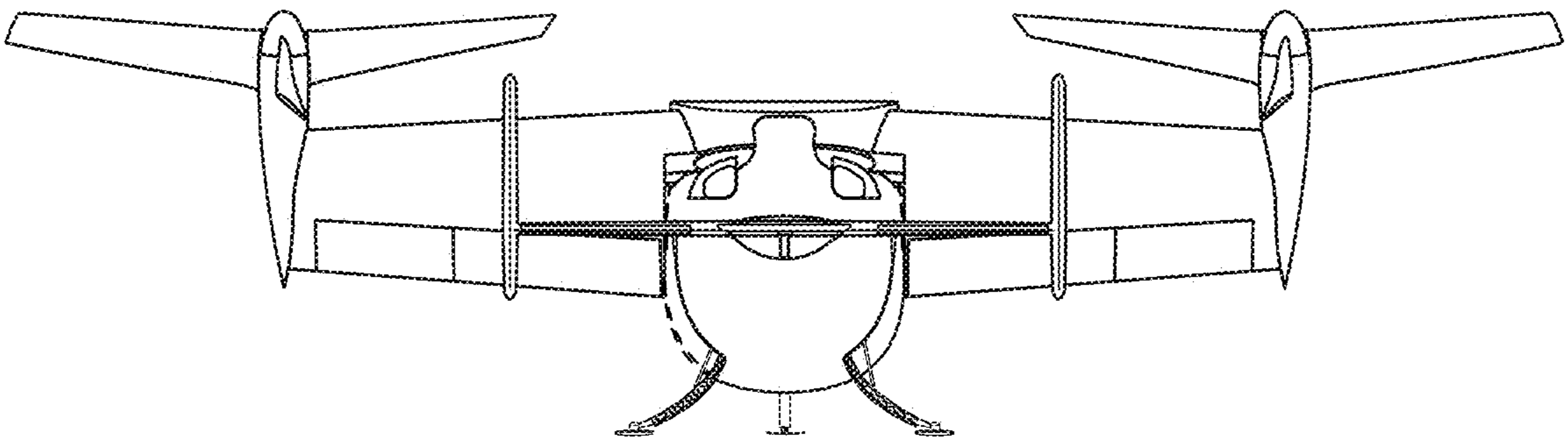


FIG. 4

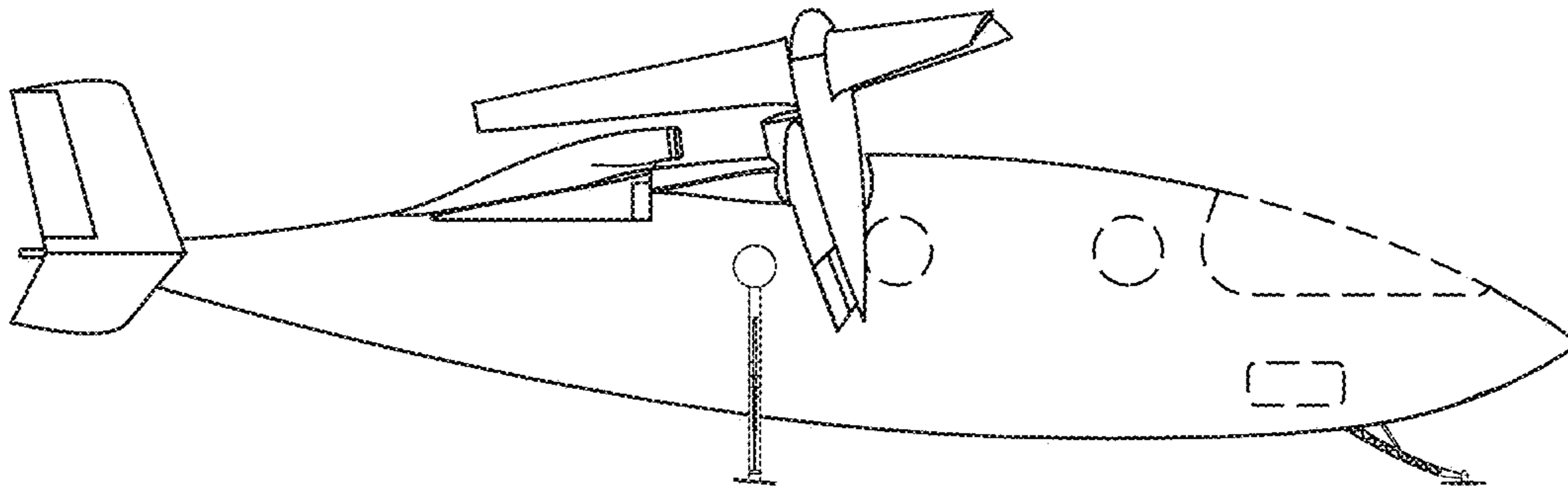


FIG. 5

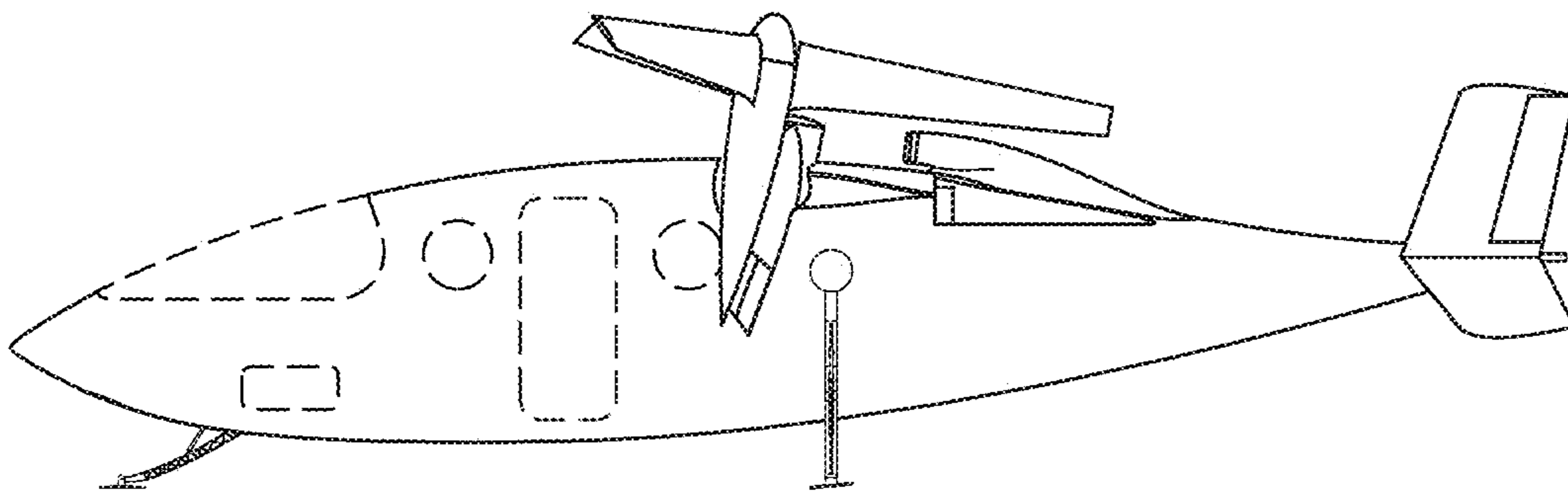


FIG. 6

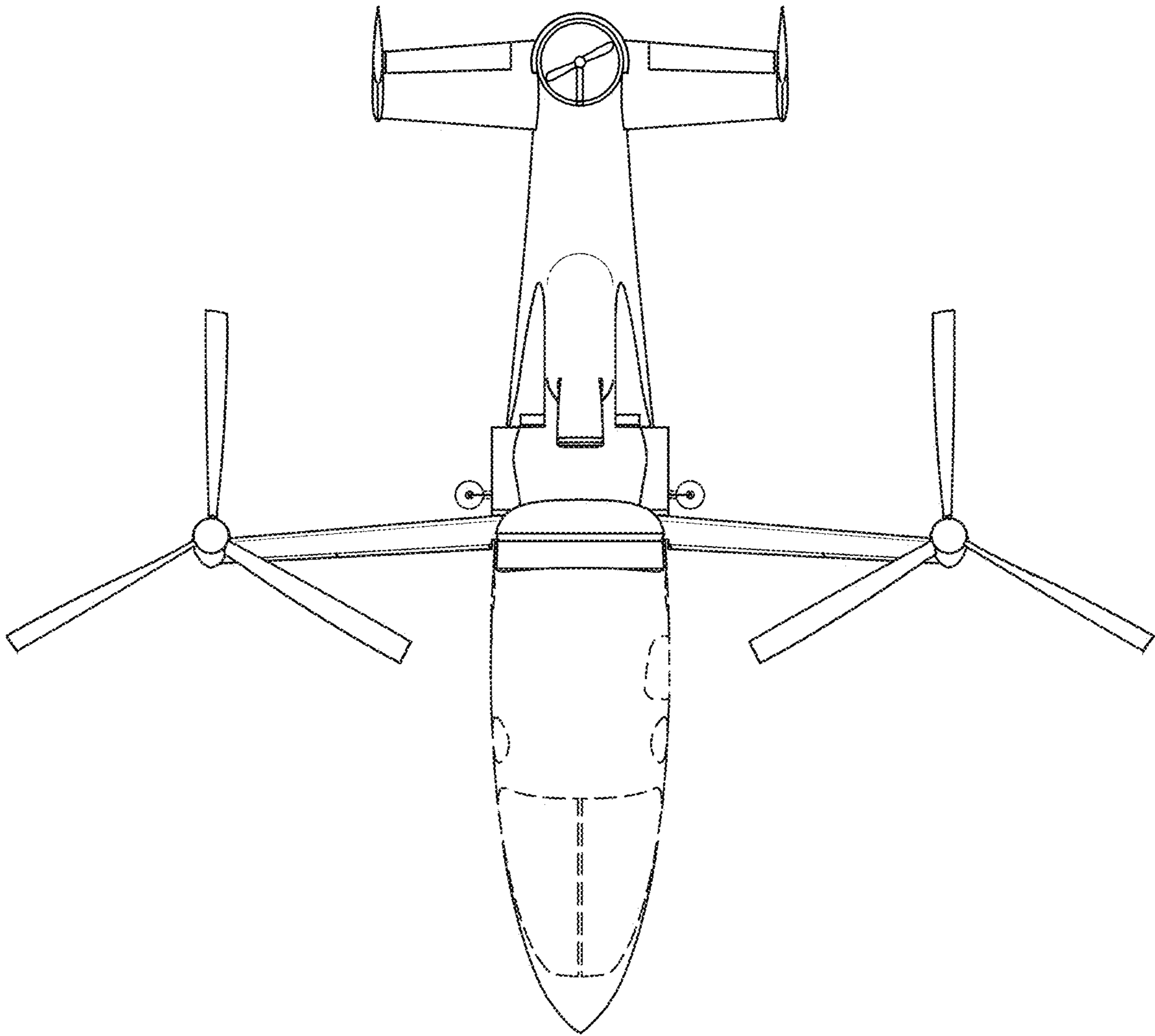


FIG. 7

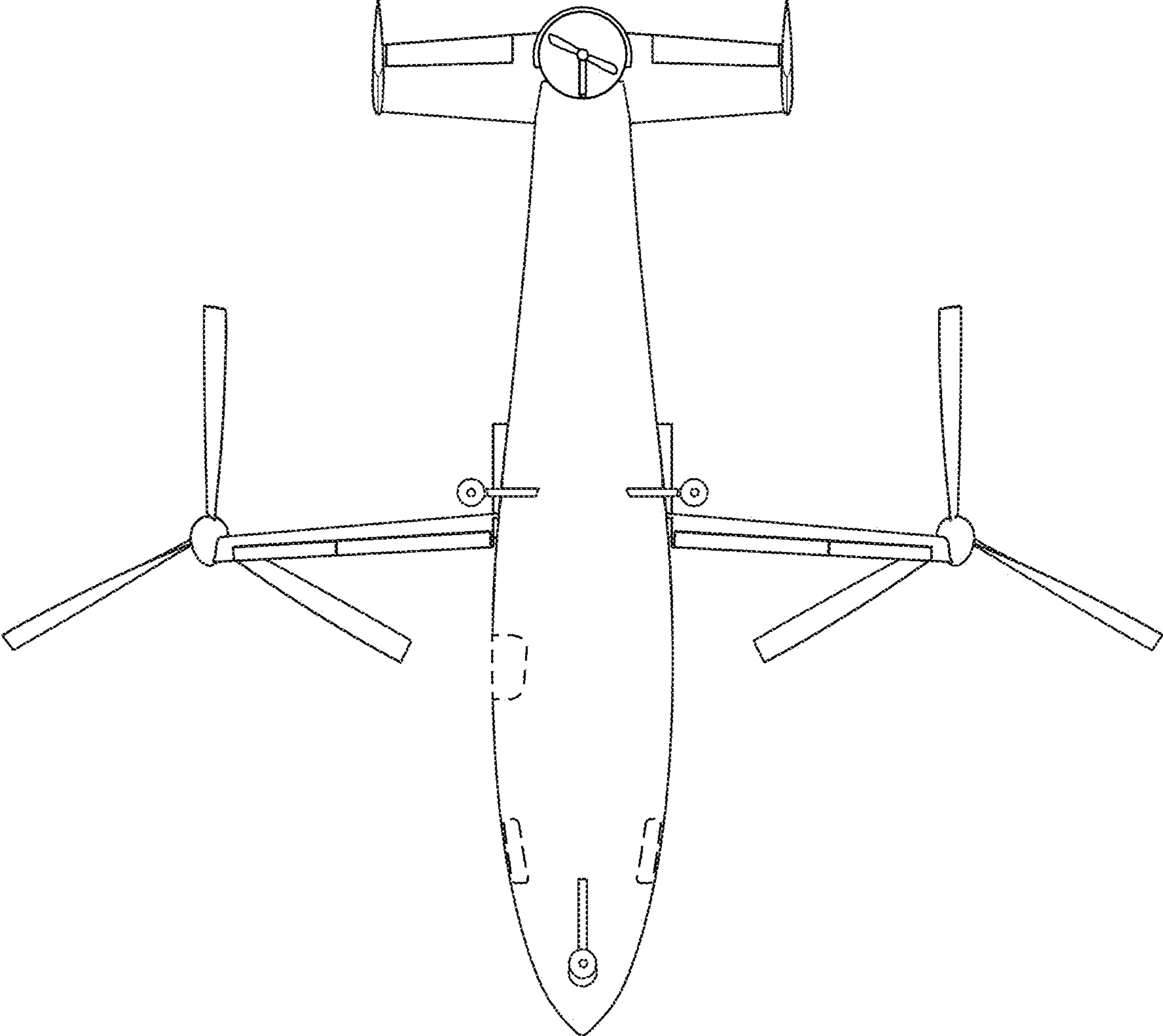


FIG. 8



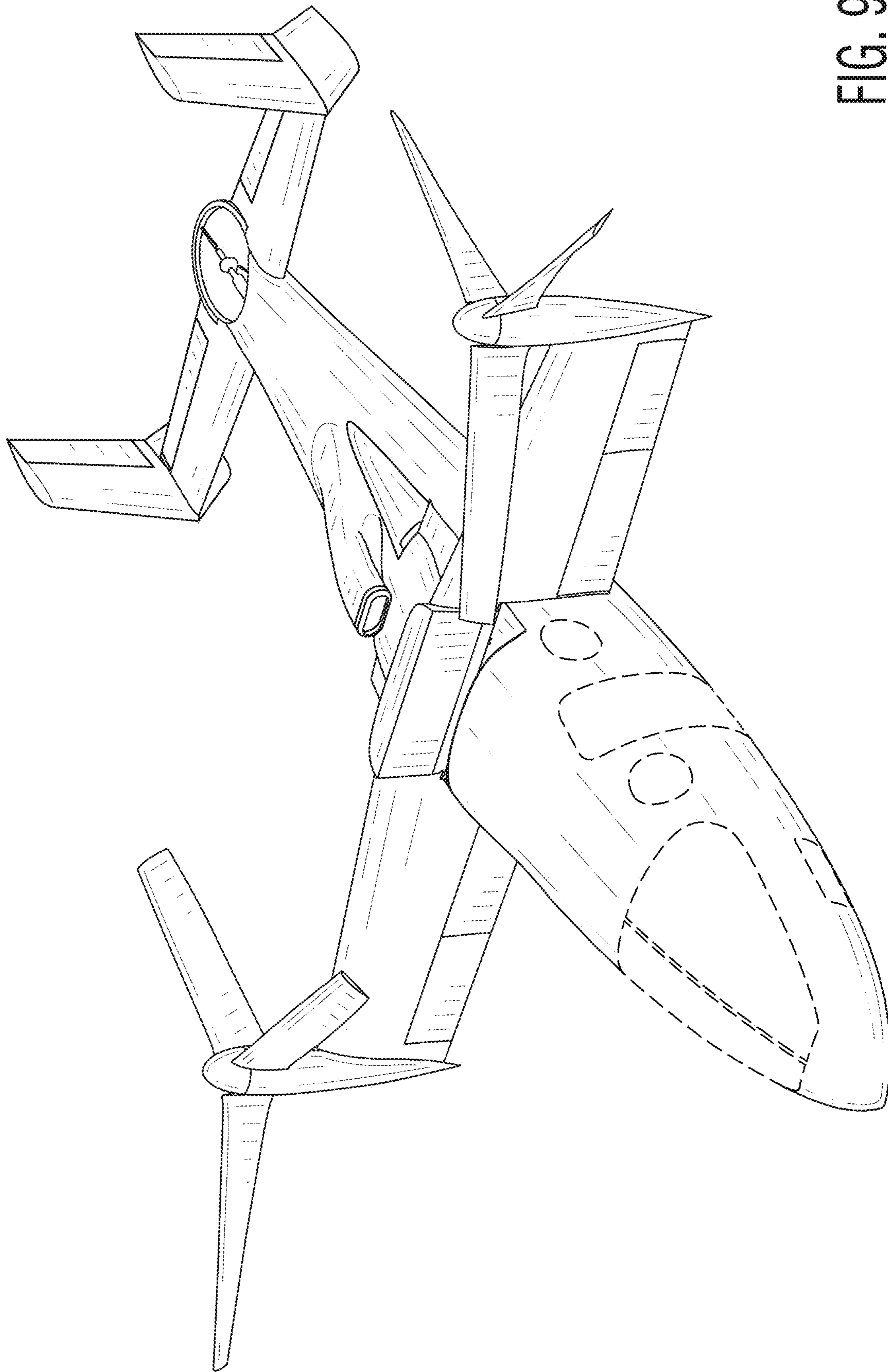


FIG. 9

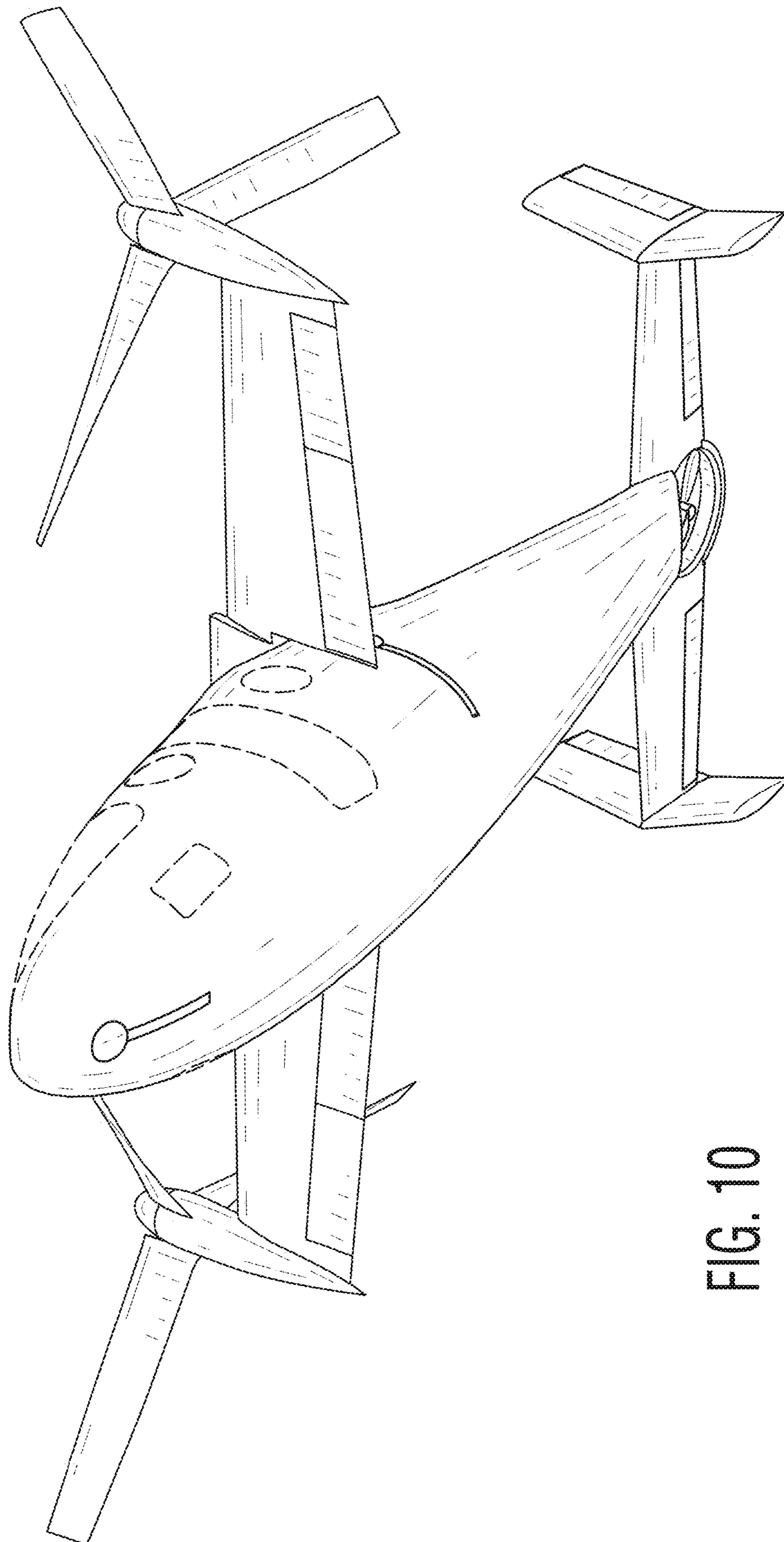


FIG. 10

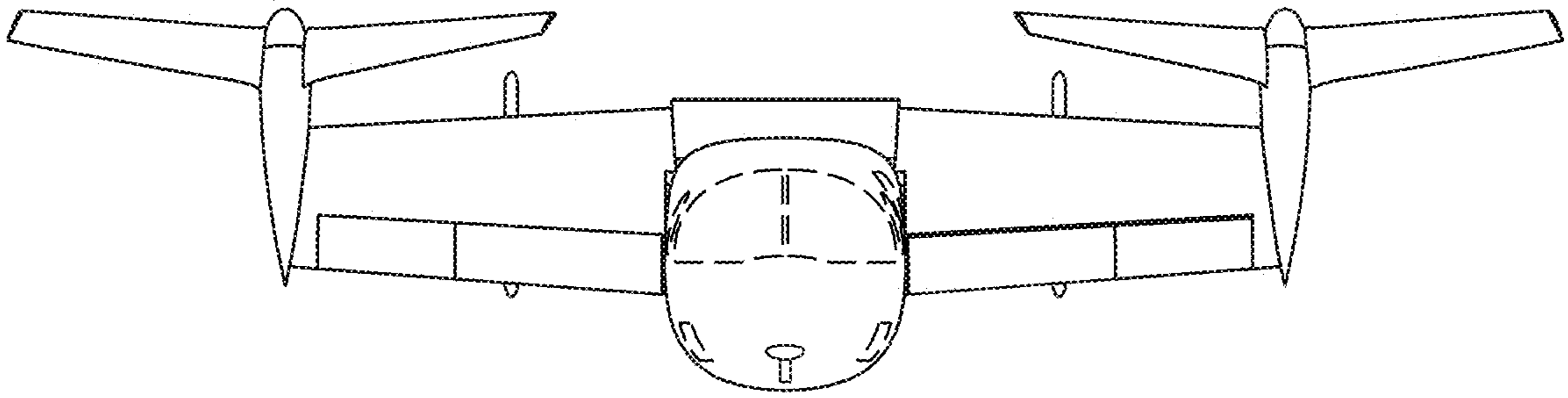


FIG. 11

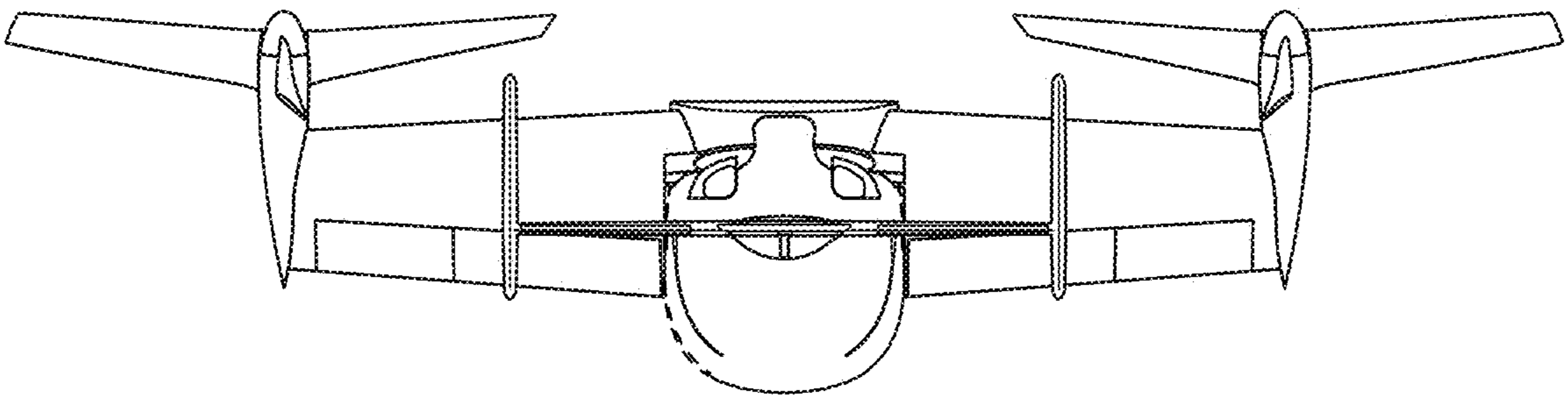


FIG. 12

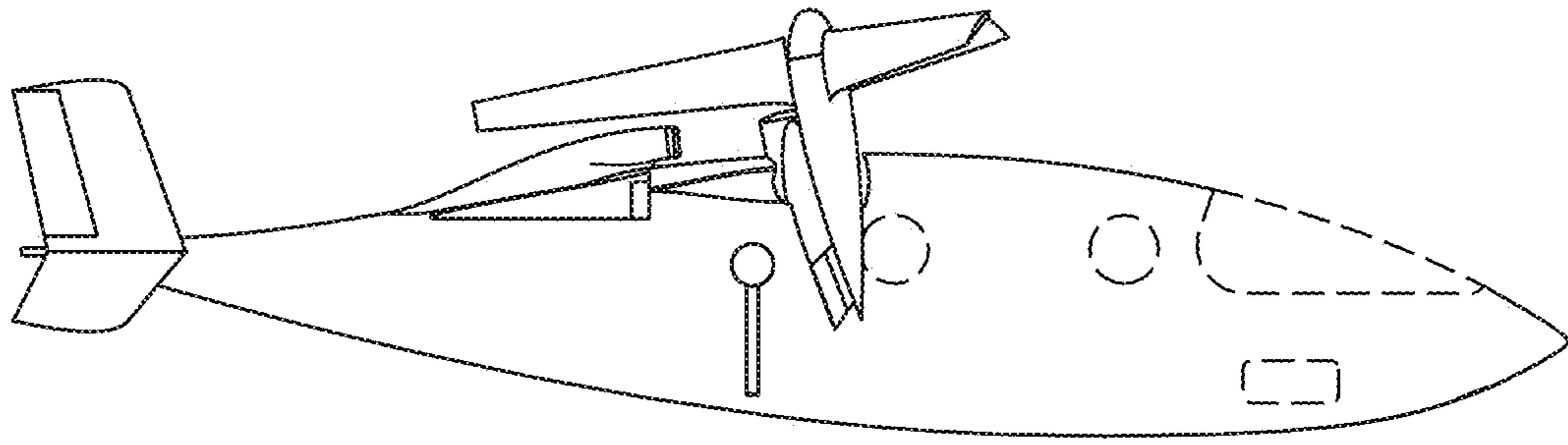


FIG. 13

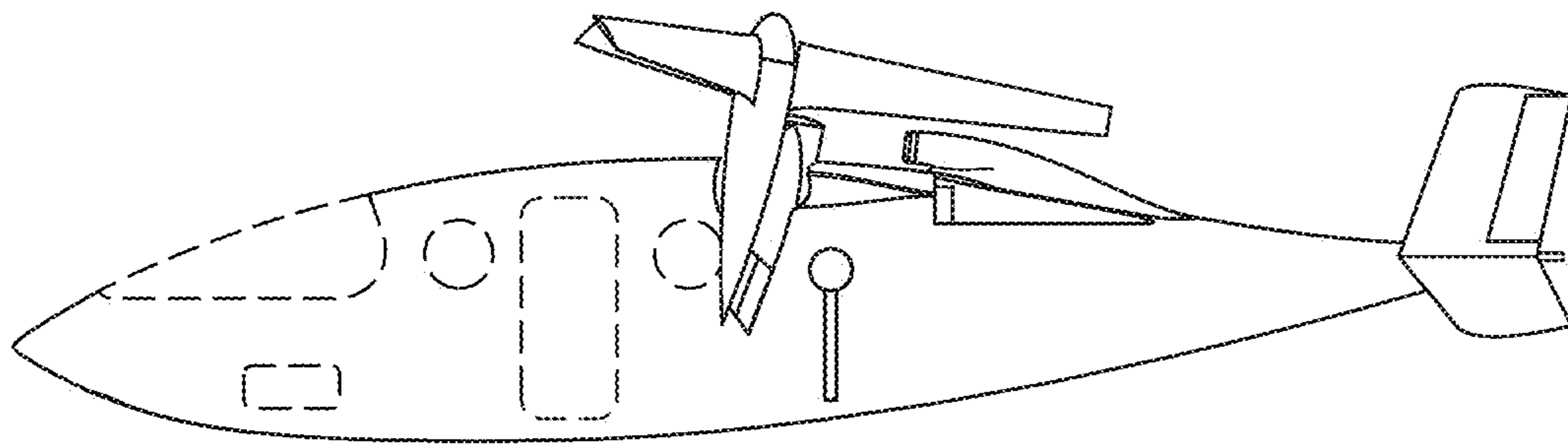


FIG. 14

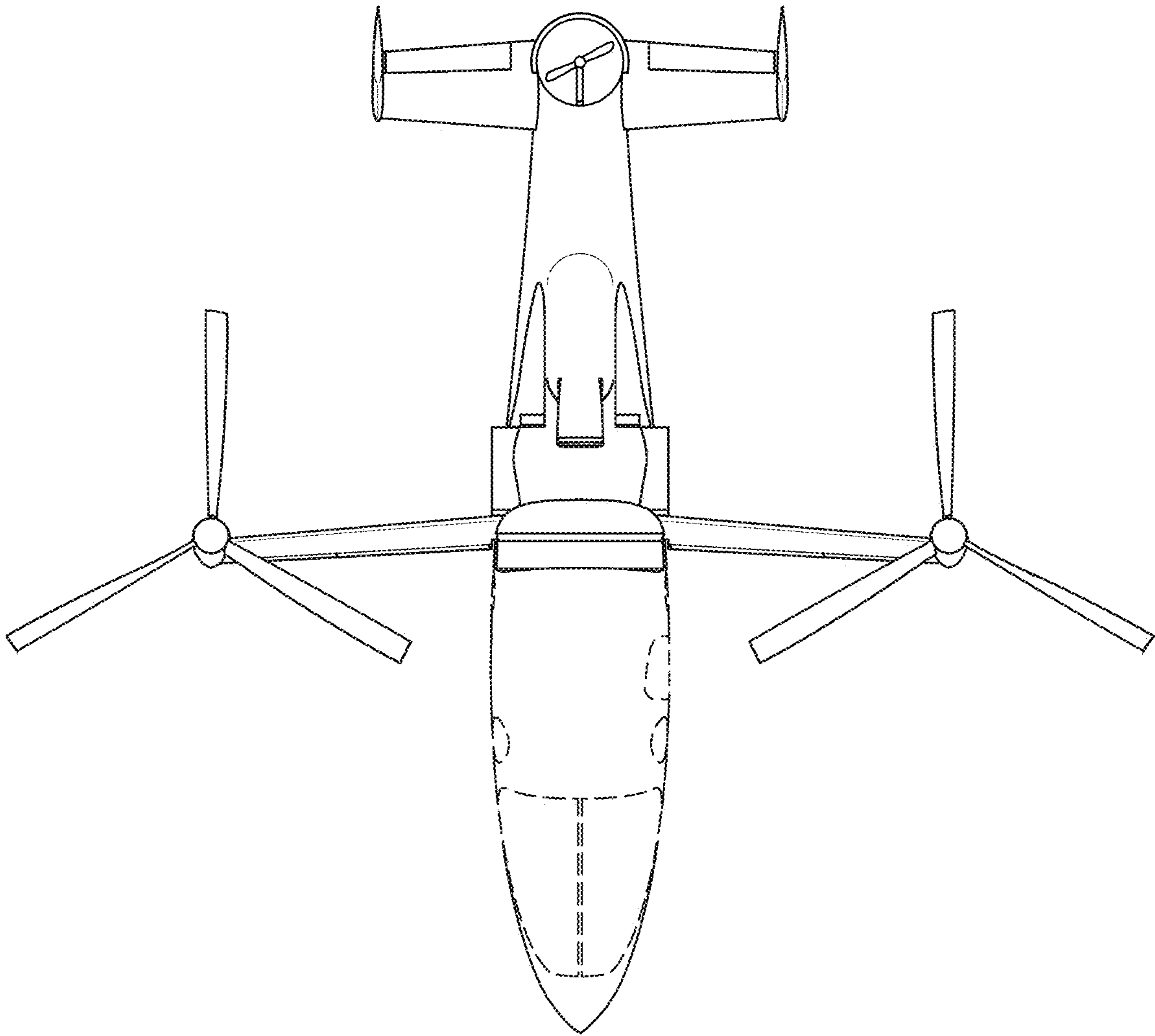


FIG. 15

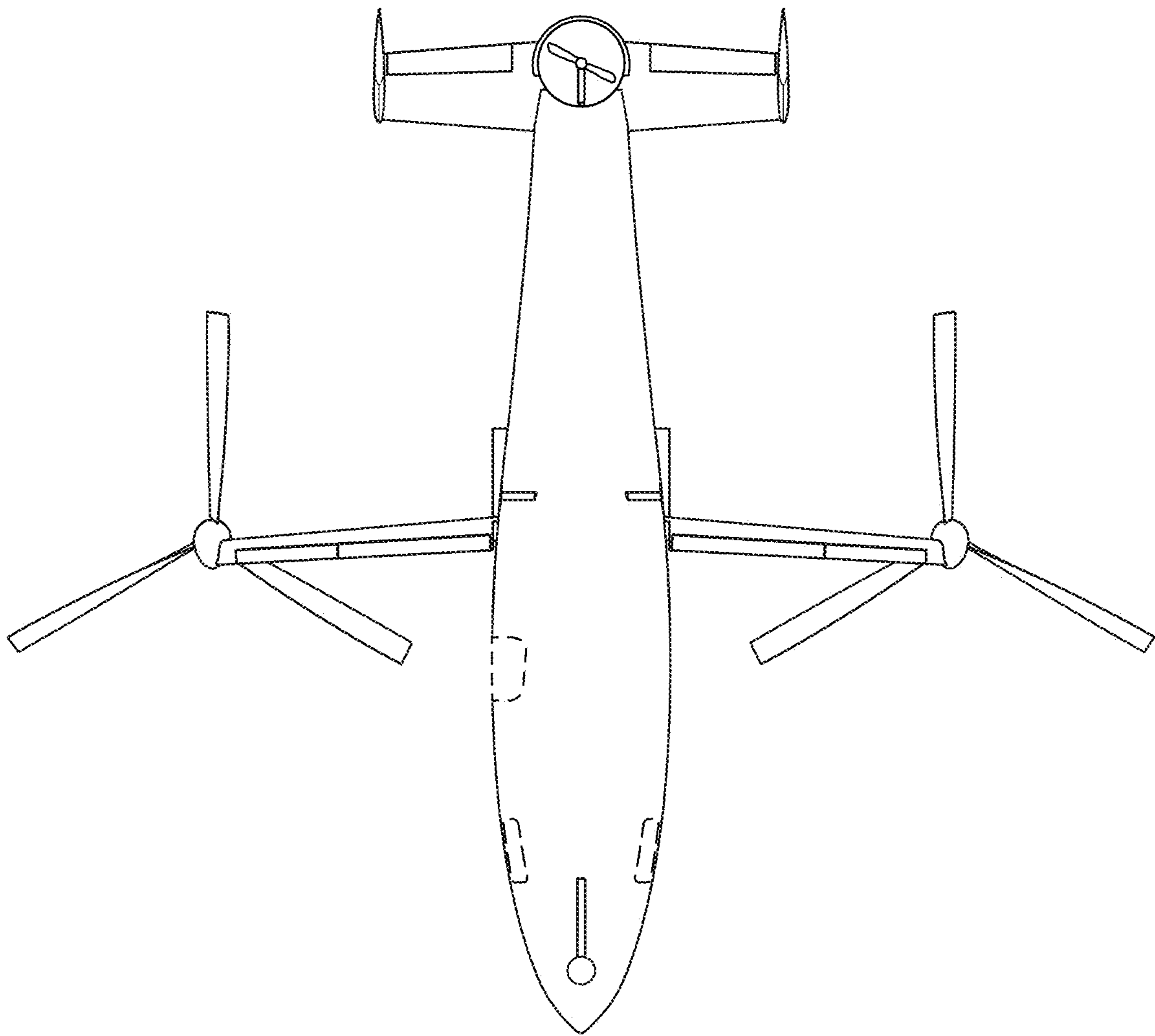


FIG. 16

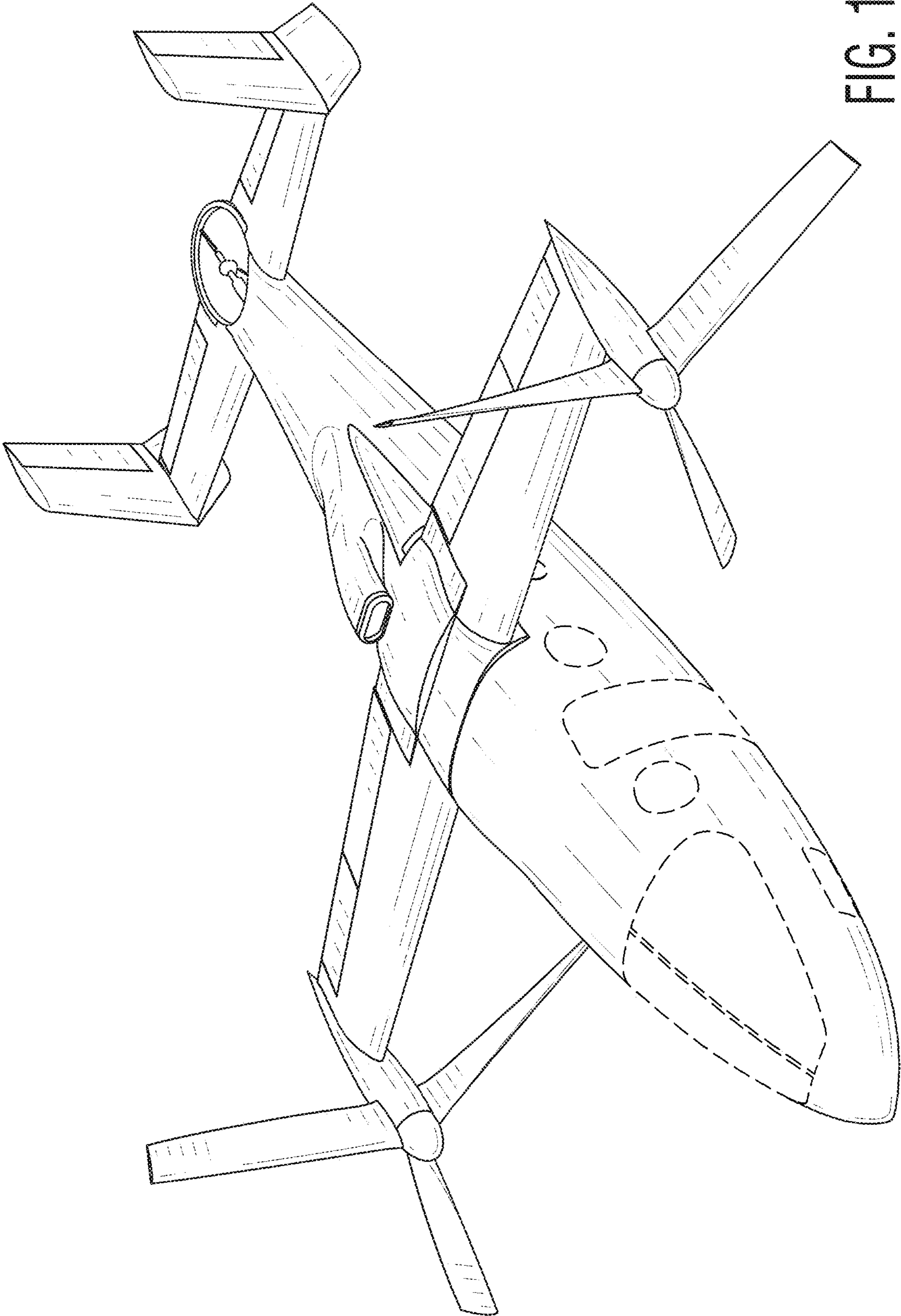


FIG. 17

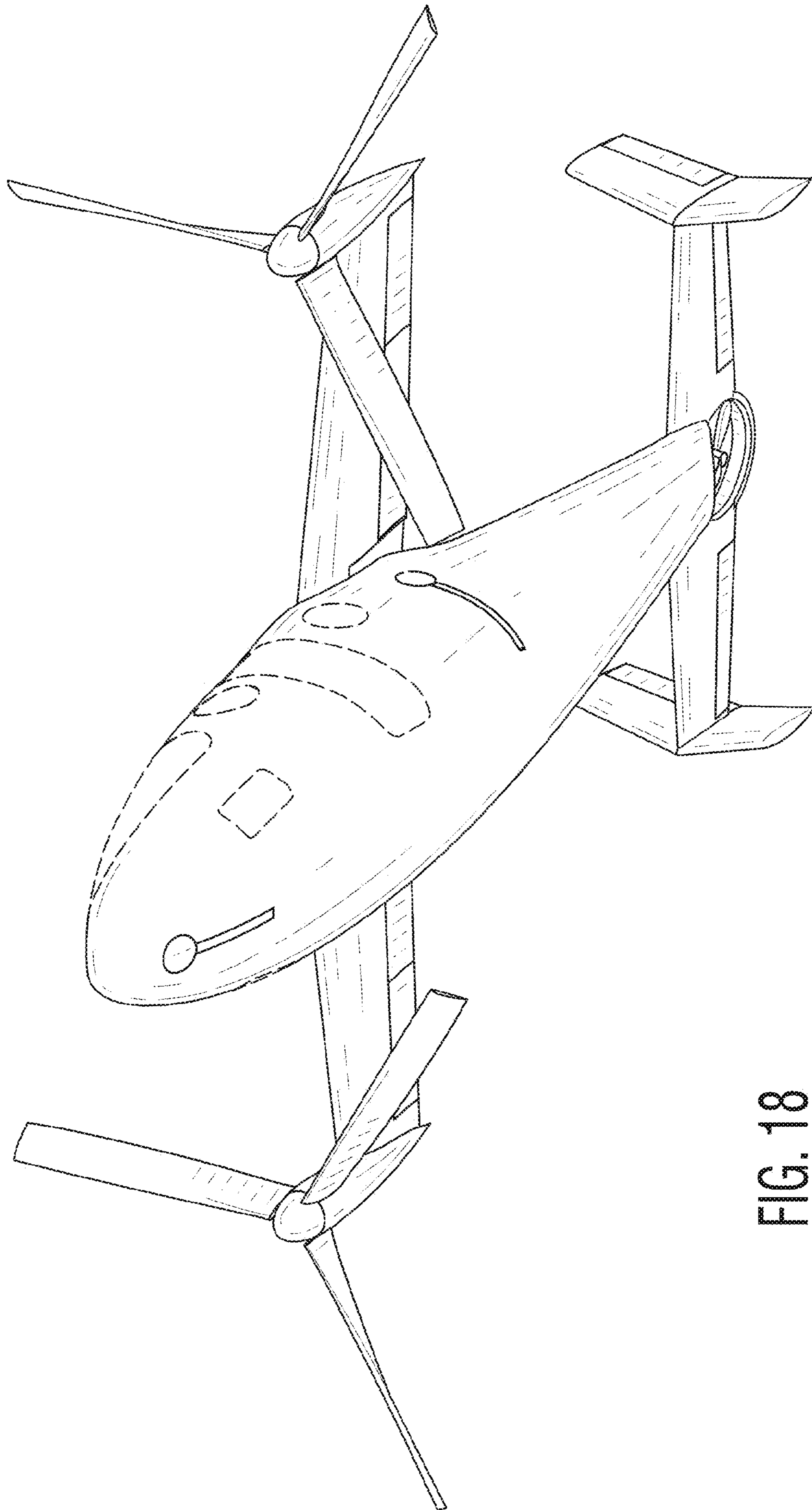


FIG. 18



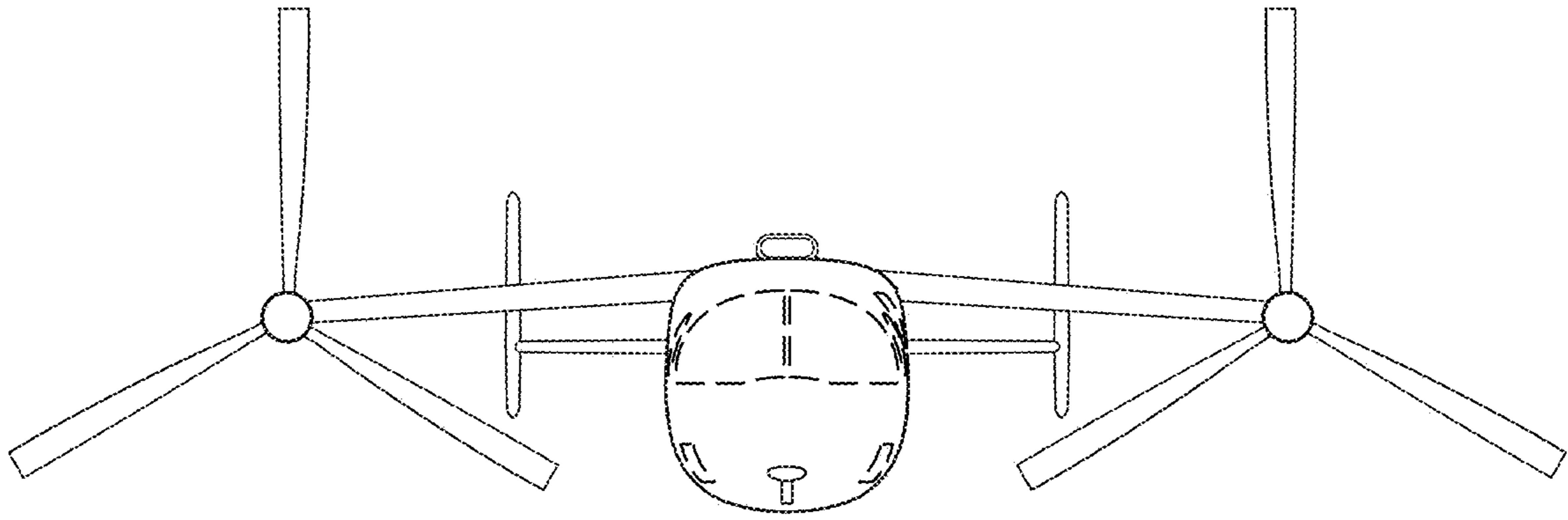


FIG. 19

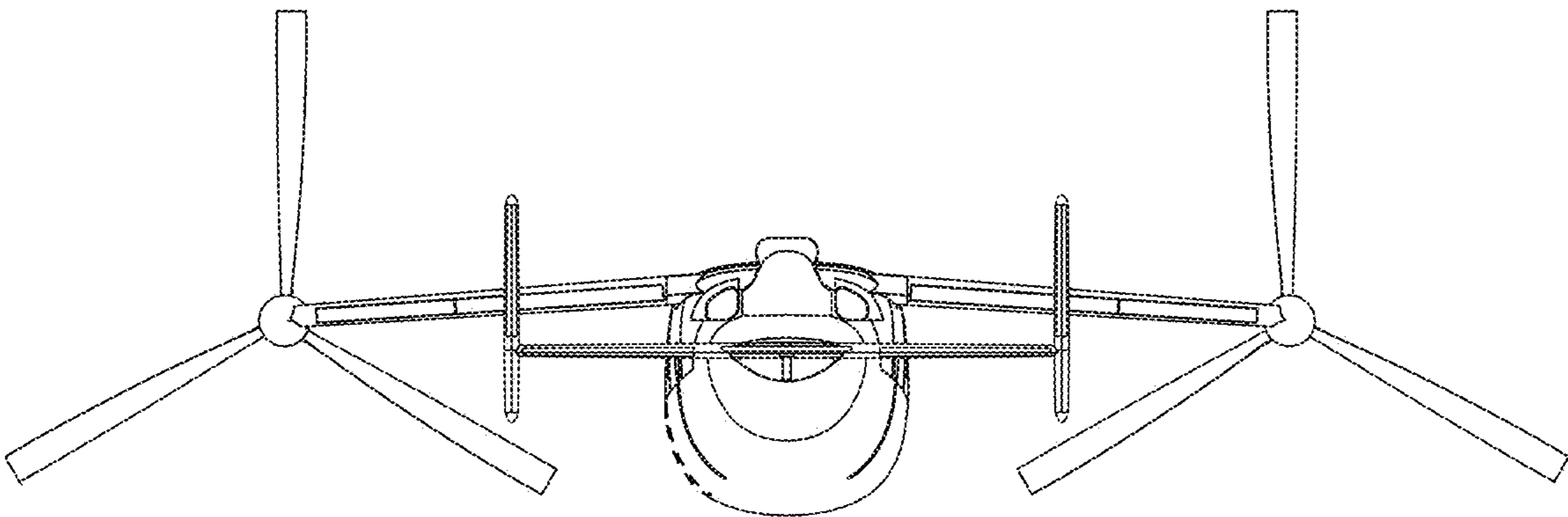


FIG. 20

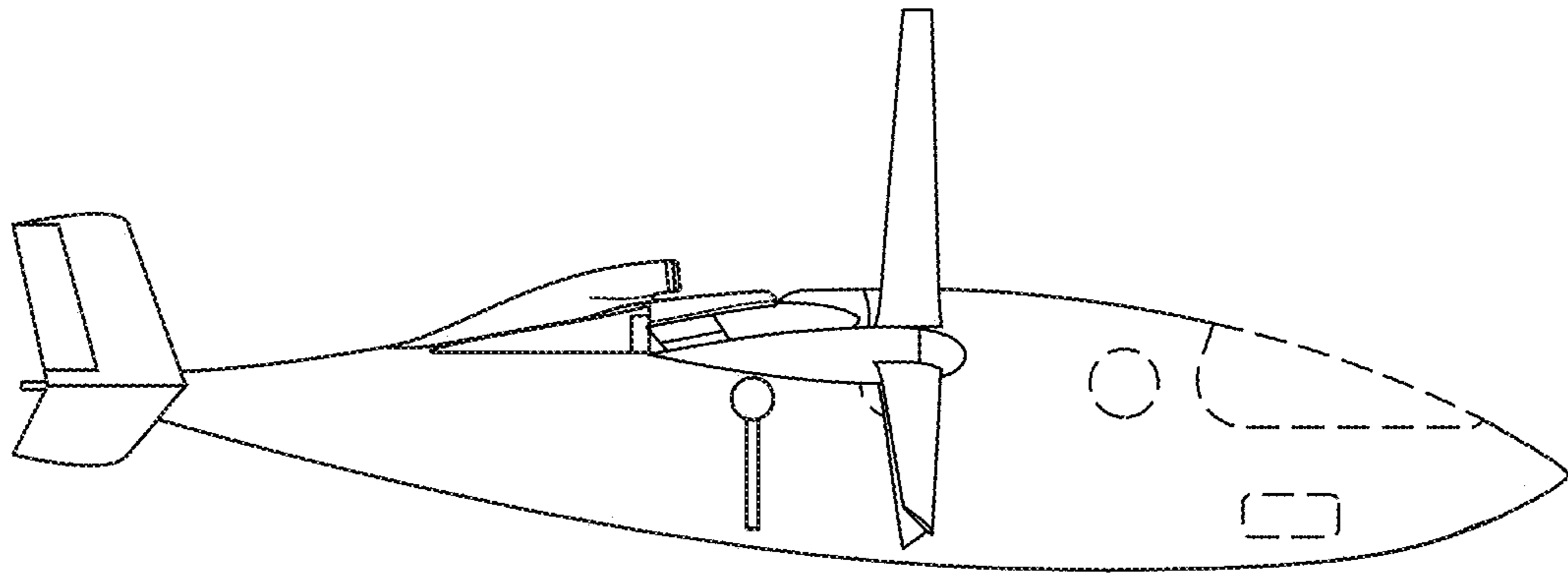


FIG. 21

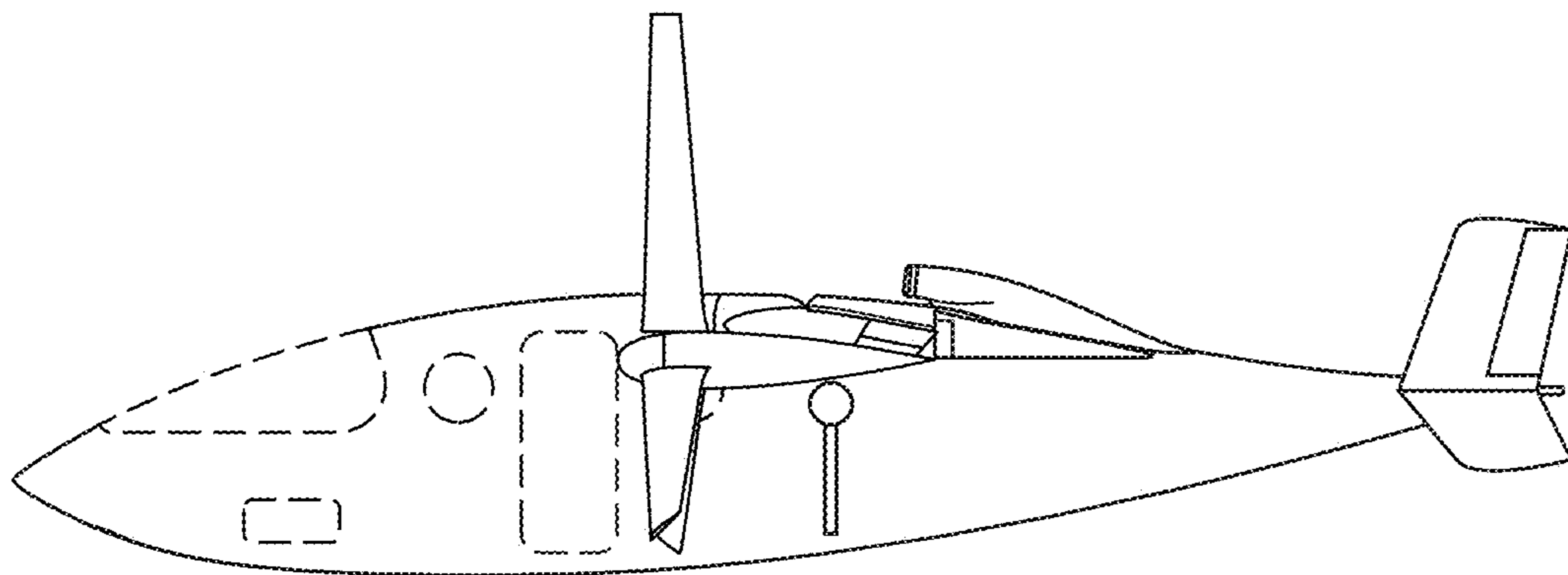


FIG. 22

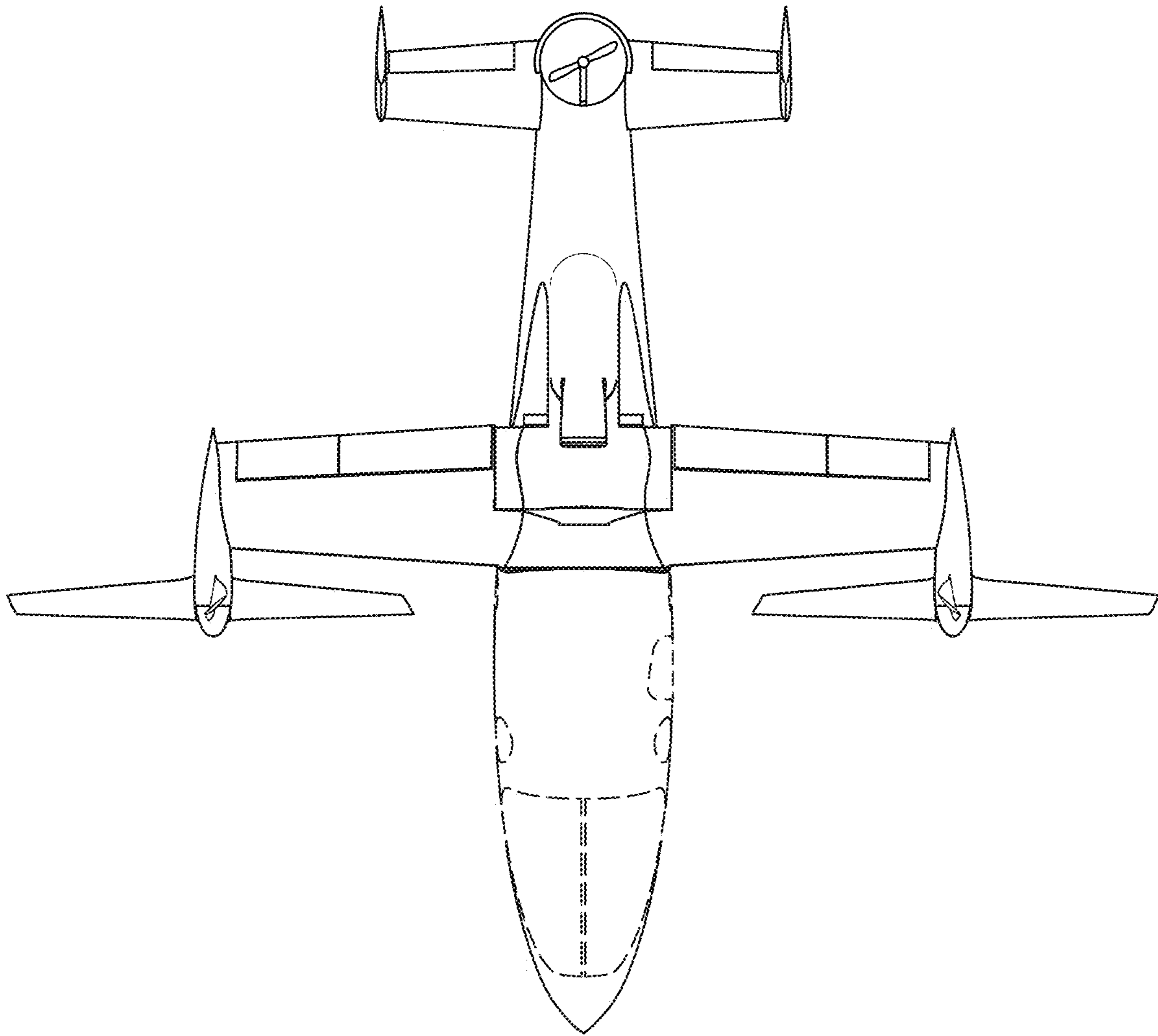


FIG. 23

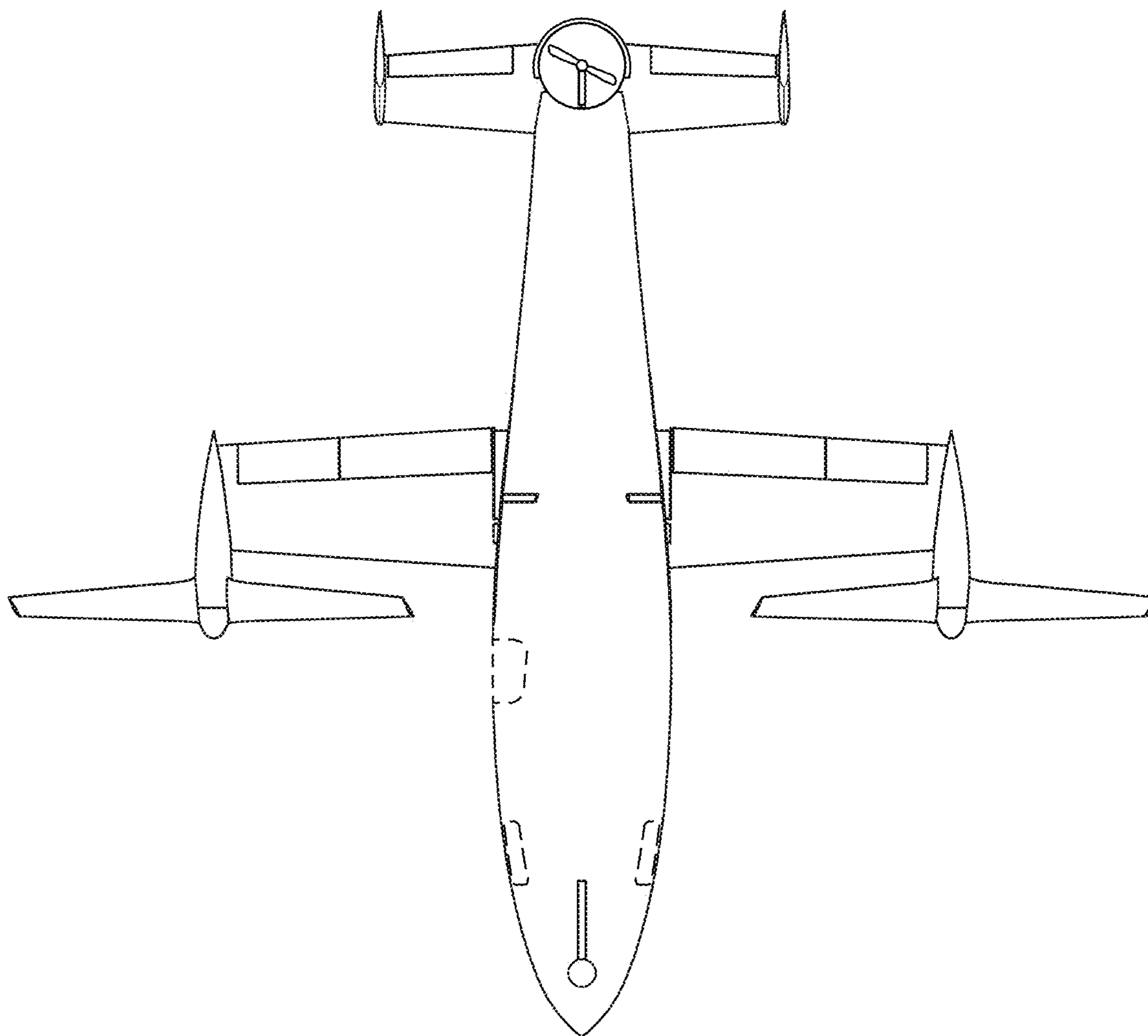


FIG. 24