



US00D921565S

(12) **United States Design Patent** (10) **Patent No.:** **US D921,565 S**  
**Vander Lind et al.** (45) **Date of Patent:** **\*\* Jun. 8, 2021**

(54) **FIXED WING AIRCRAFT WITH TILT ROTORS**

(71) Applicant: **Kitty Hawk Corporation**, Palo Alto, CA (US)

(72) Inventors: **Damon Vander Lind**, Alameda, CA (US); **Pranay Sinha**, Sunnyvale, CA (US); **Campbell McLaren**, Alameda, CA (US); **Gregory Mainland Horn**, Mountain View, CA (US)

(73) Assignee: **Kitty Hawk Corporation**, Palo Alto, CA (US)

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

(21) Appl. No.: **29/708,019**

(22) Filed: **Oct. 2, 2019**

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

(52) **U.S. Cl.**  
USPC ..... **D12/344**

(58) **Field of Classification Search**  
USPC ..... D12/1, 2, 3, 4, 16.1, 174, 319-345; D21/436-455; D13/109  
CPC ..... B64C 29/0033; B64C 2201/021; B64C 29/02; B64C 2201/088; B64C 2201/104; B64C 2201/141

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

9,975,631 B1 \* 5/2018 McLaren ..... B64C 27/28  
10,046,855 B2 \* 8/2018 Bevirt ..... B64C 11/10  
10,144,503 B1 \* 12/2018 Vander Lind ..... B64C 29/0025

D892,710 S \* 8/2020 Vander Lind ..... D12/344  
2018/0105267 A1 \* 4/2018 Tighe ..... B64D 29/02  
2018/0105279 A1 \* 4/2018 Tighe ..... B64D 29/02  
2018/0334241 A1 \* 11/2018 Long ..... B64D 27/24  
2020/0148347 A1 \* 5/2020 Bevirt ..... B64C 11/46  
2020/0164972 A1 \* 5/2020 Kiesewetter ..... B64C 27/28  
2020/0164995 A1 \* 5/2020 Lovering ..... B64D 31/06  
2020/0269975 A1 \* 8/2020 Fink ..... B64C 29/0025

**OTHER PUBLICATIONS**

Project Heaviside by Kitty Hawk YouTube Video (timelapse 0:59/1:13) [Oct. 3, 2019] found online [Dec. 10, 2020]—<https://www.youtube.com/watch?v=q7mc3C19kE4>.\*

\* cited by examiner

*Primary Examiner* — John A Voytek

(74) *Attorney, Agent, or Firm* — Van Pelt, Yi & James LLP

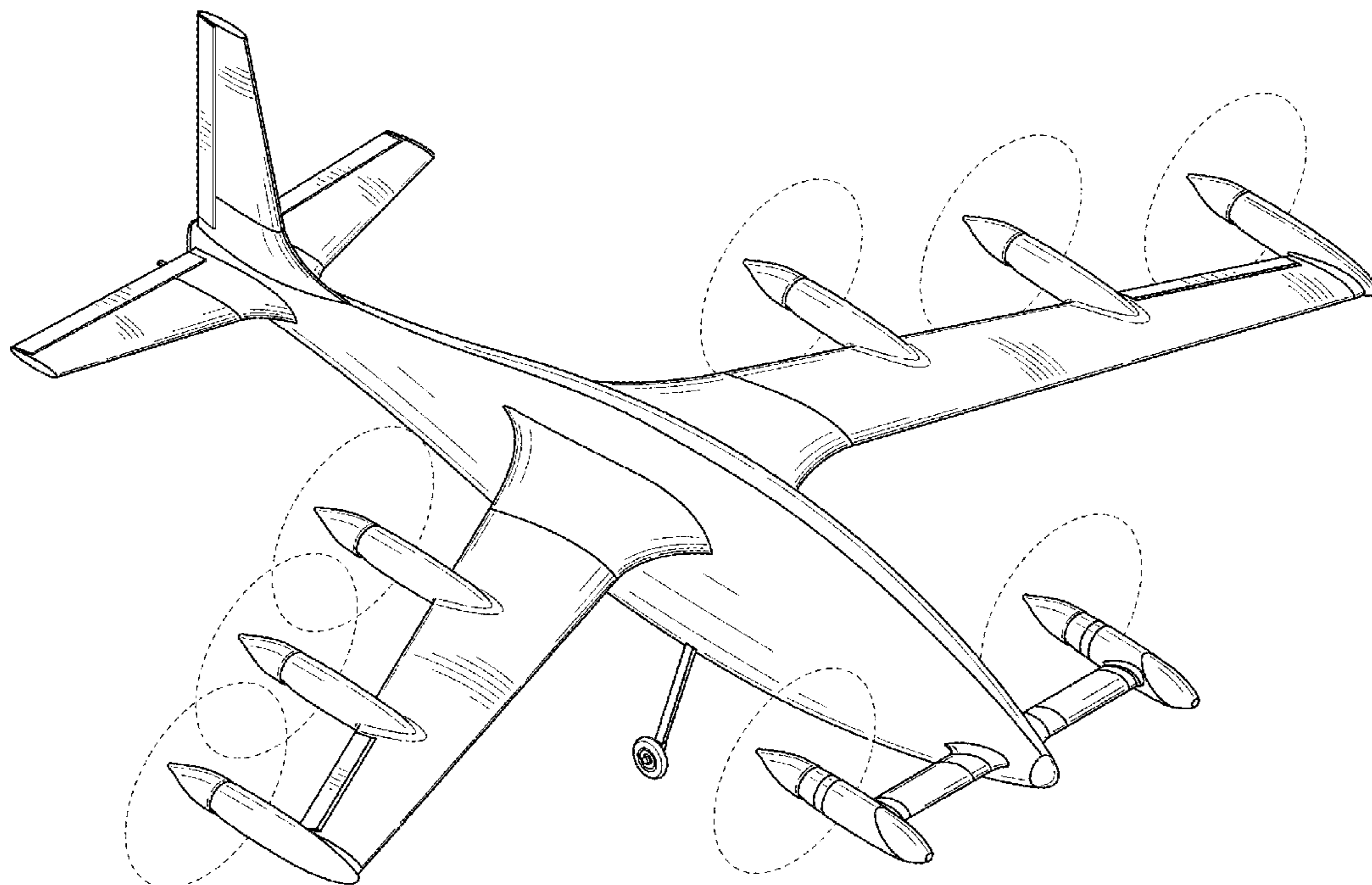
(57) **CLAIM**

We claim the ornamental design for a fixed wing aircraft with tilt rotors, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view taken from a top, front, and right side of a fixed wing aircraft with tilt rotors.  
FIG. 2 is a front view of the aircraft of FIG. 1.  
FIG. 3 is a rear view of the aircraft of FIG. 1.  
FIG. 4 is a left view of the aircraft of FIG. 1.  
FIG. 5 is a right view of the aircraft of FIG. 1.  
FIG. 6 is a top view of the aircraft of FIG. 1; and,  
FIG. 7 is a bottom view of the aircraft of FIG. 1.  
In the drawings, the broken lines depict portions of a fixed wing aircraft with tilt rotors that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



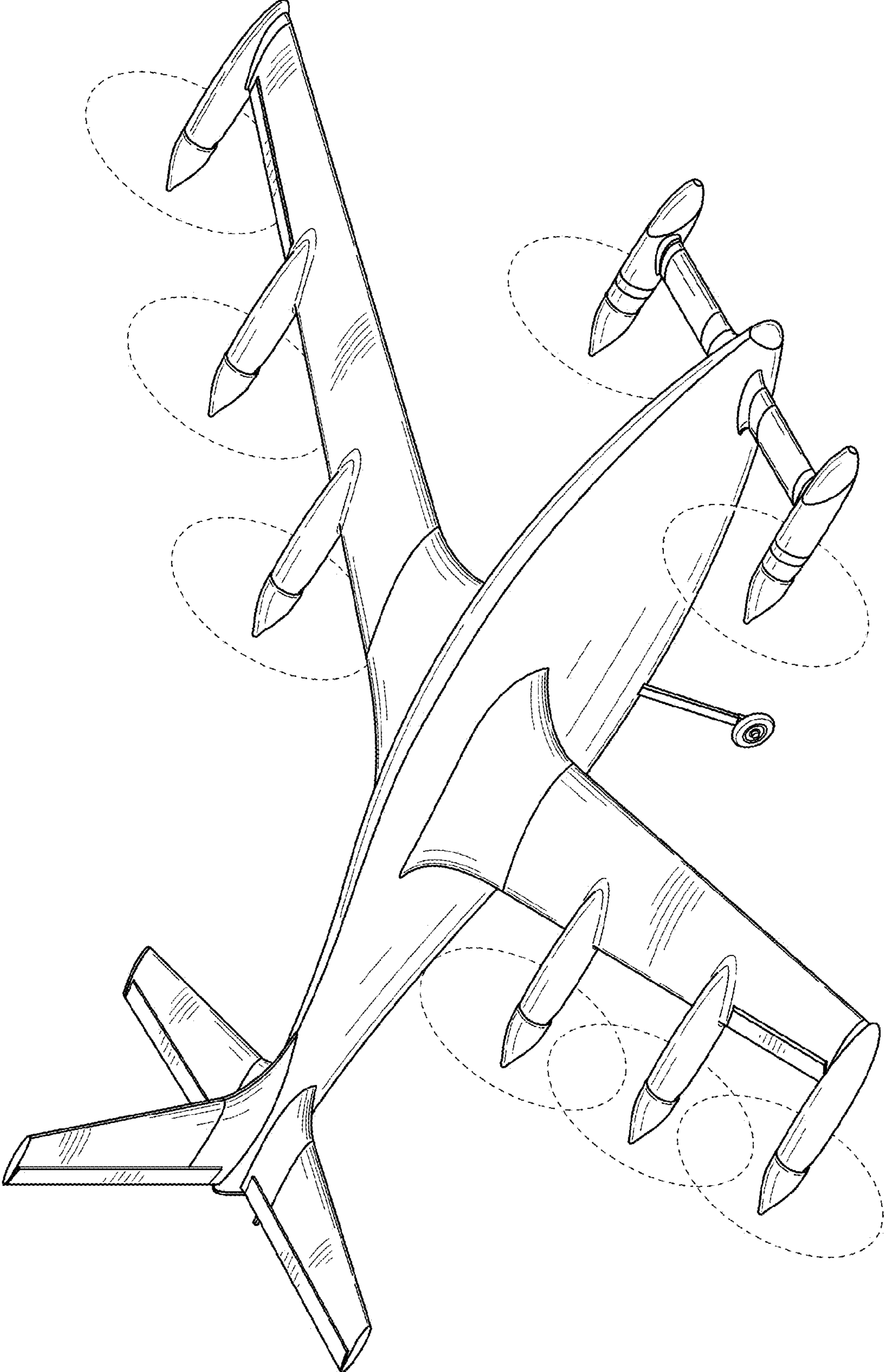


FIG. 1

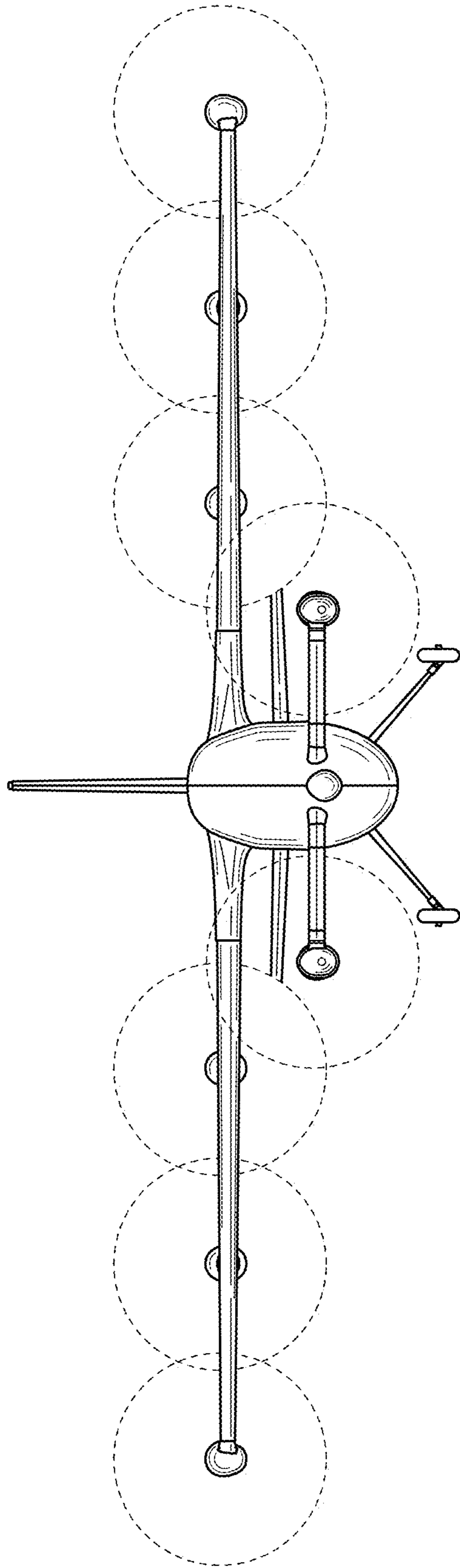


FIG. 2

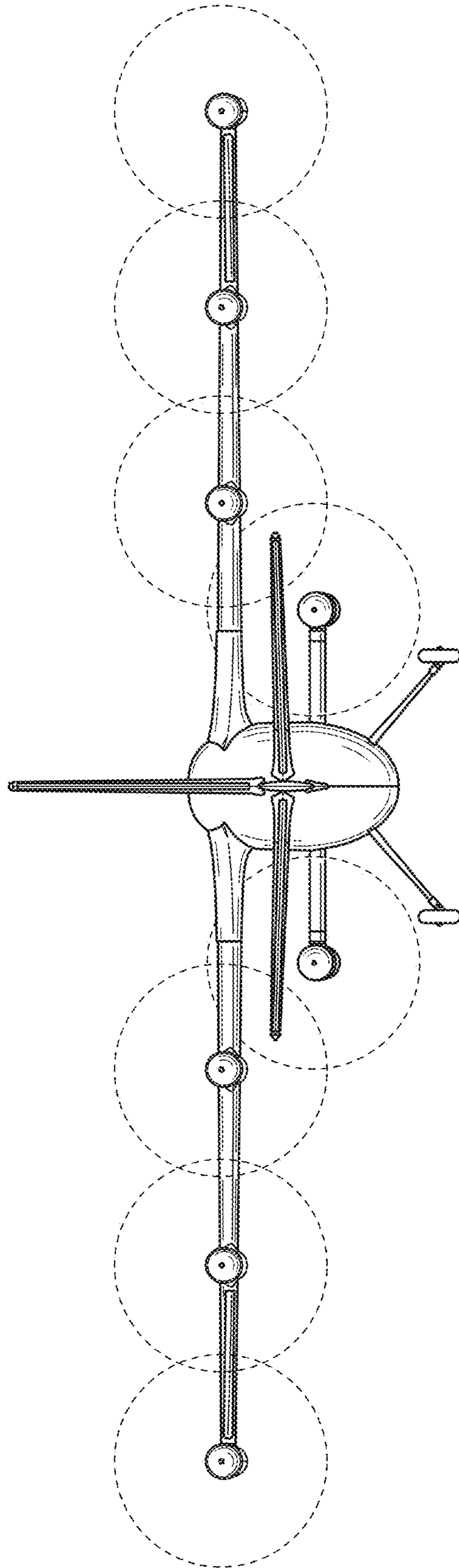


FIG. 3

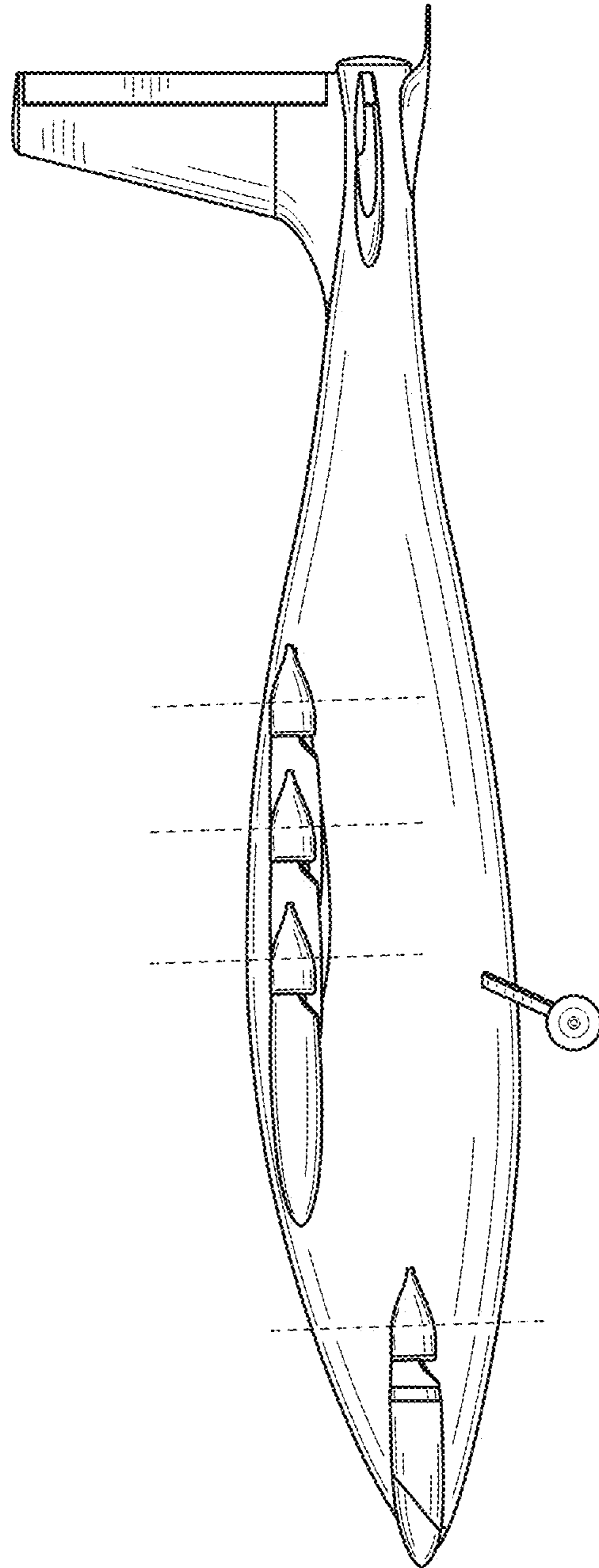


FIG. 4

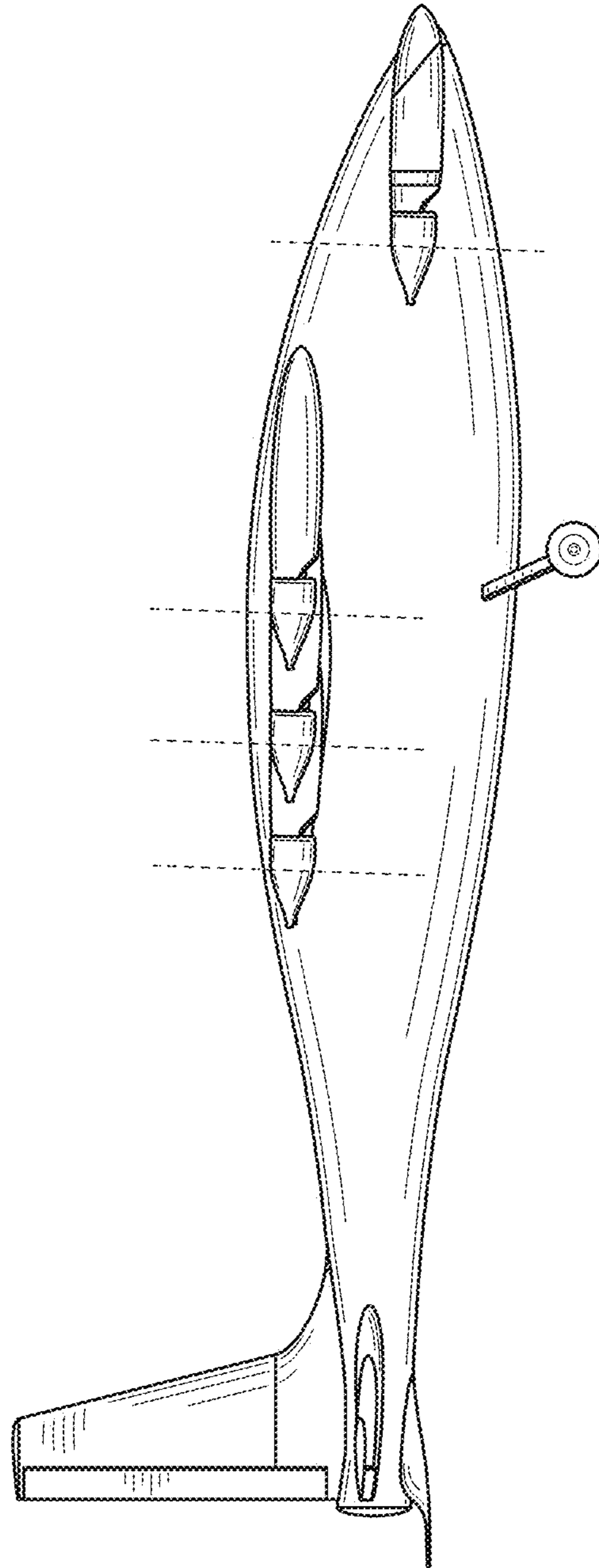


FIG. 5

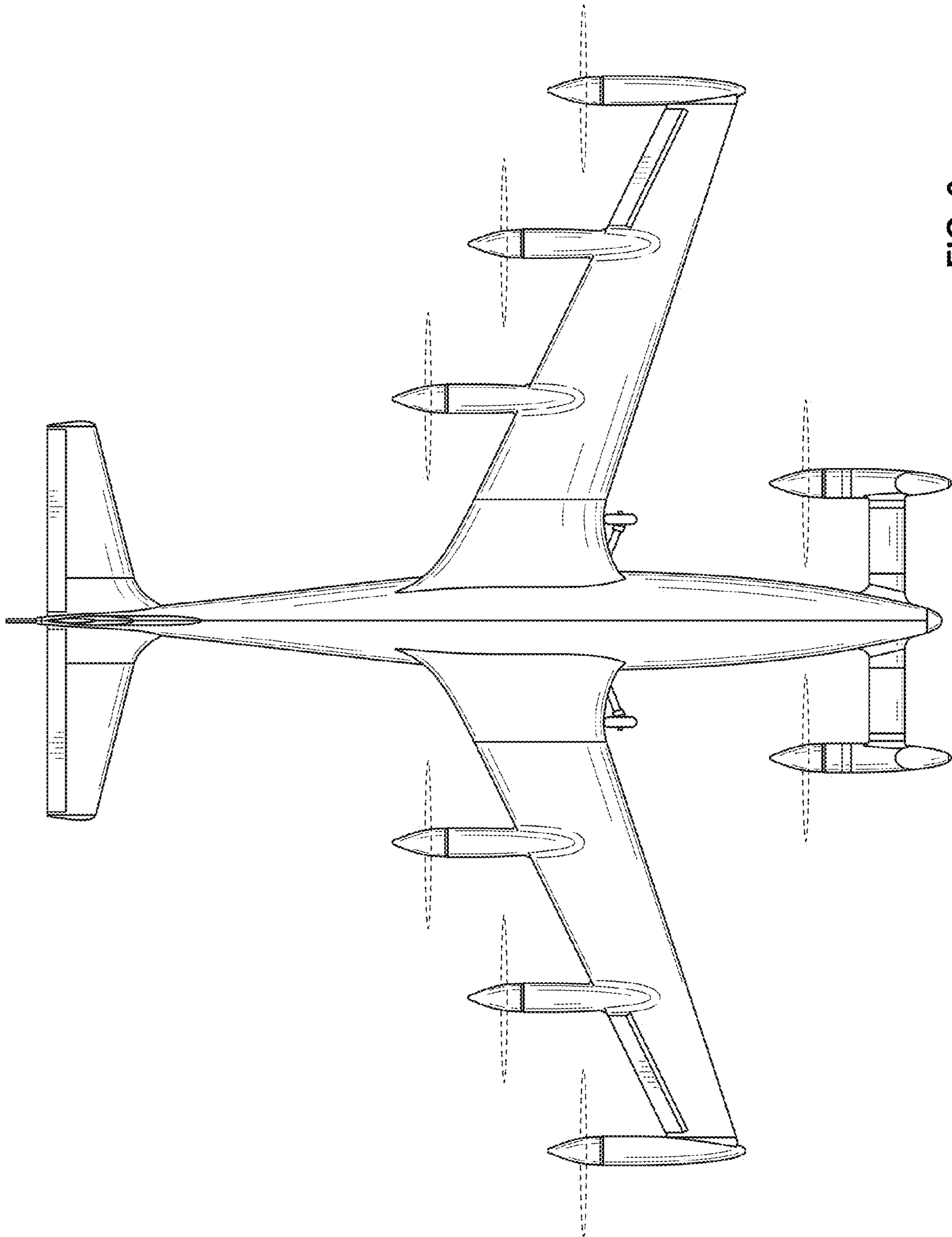


FIG. 6

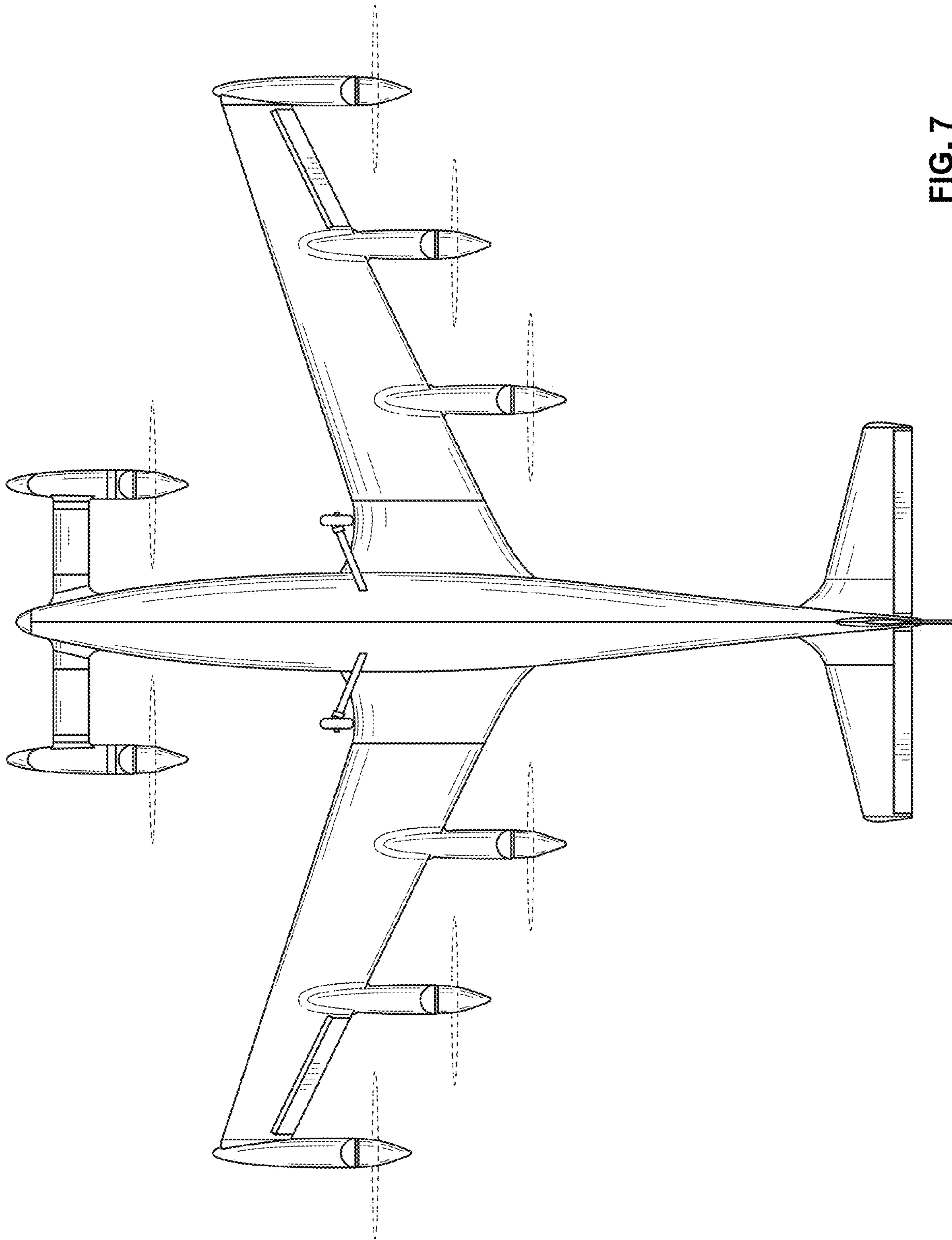


FIG. 7