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(12) **United States Design Patent** (10) **Patent No.:** **US D974,277 S**  
**Rinehart** (45) **Date of Patent:** **\*\* Jan. 3, 2023**

(54) **AIRCRAFT PAYLOAD ENCLOSURE**

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

(72) Inventor: **Michael E. Rinehart**, Euless, TX (US)

(73) Assignee: **Textron Innovations, Inc.**, Providence, RI (US)

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

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
USPC ..... D12/1-4, 16.1, 319-345, 400, 159, 160,  
D12/190, 196, 203; D21/436-453  
CPC ..... B64C 27/20; B64C 2201/024; B64C  
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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D128,173 S	7/1941	Oliver	
D140,130 S	1/1945	Walter	
D148,255 S *	12/1947	Salisbury	D12/345
D149,555 S *	5/1948	Hibbard	D12/345
D153,456 S *	4/1949	Pulver et al.	D12/341
D172,927 S *	8/1954	Johnson et al.	D12/342
D195,794 S	7/1963	Dancik	
D203,523 S	1/1966	Girard	
D311,719 S	10/1990	Haga	
D317,287 S	6/1991	Haga	
D317,897 S	7/1991	Antonov	
5,031,858 A	7/1991	Schellhase	
5,054,716 A	10/1991	Wilson	
D325,021 S *	3/1992	Mouton, Jr.	D12/319

D388,392 S	12/1997	McGinnis	
D394,422 S	5/1998	Magee	
D399,816 S	10/1998	Peacock	
5,820,075 A *	10/1998	Speakes	B64C 1/20 224/538
D456,337 S	4/2002	Sankrithi	
D597,148 S	7/2009	Lin	
7,604,202 B2	10/2009	Froman	
D613,202 S *	4/2010	Rodriguez	D12/3
D624,001 S	9/2010	Saint-Jalmes	

(Continued)

**OTHER PUBLICATIONS**

Bill Carey, "Bell Unveils 'Vigilant' Unmanned Tiltrotor for U.S. Marine Corps;" Sep. 22, 2016.

(Continued)

*Primary Examiner* — Marissa J Cash  
(74) *Attorney, Agent, or Firm* — Timmer Law Group, PLLC

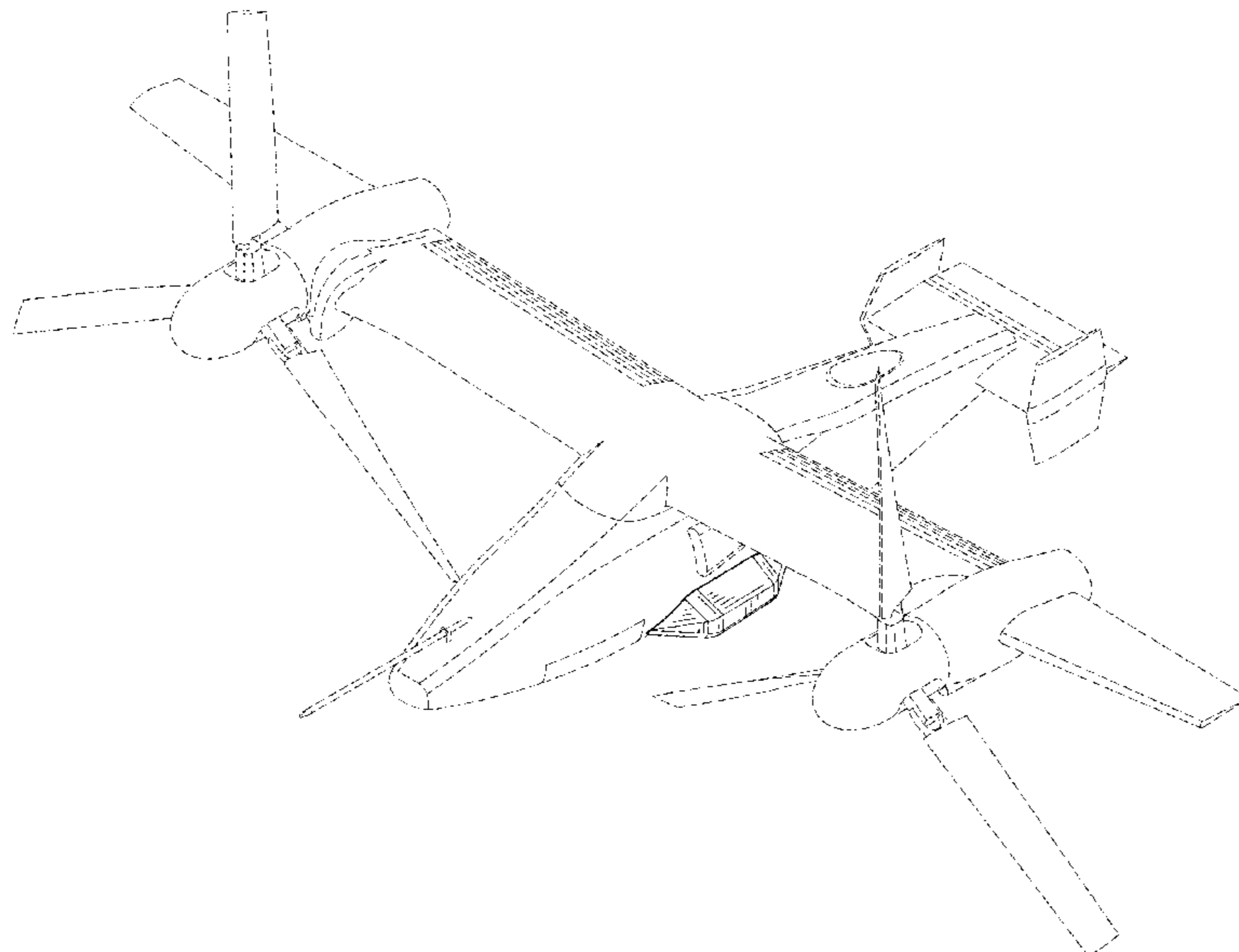
(57) **CLAIM**

The ornamental design for an aircraft payload enclosure, substantially as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an aircraft payload enclosure shown with the environmental rotor nacelles facing forward;  
FIG. 2 is a front elevational view of the aircraft payload enclosure 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; and,  
FIG. 7 is a bottom view thereof.  
The broken lines illustrate environmental subject matter only and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D628,528 S 12/2010 Cabezas Carrasco  
 D635,083 S 3/2011 DeLaurier  
 D691,547 S 10/2013 Hall  
 8,626,363 B2 1/2014 Kisor  
 D706,678 S 6/2014 Earon  
 D708,563 S 7/2014 Colten  
 D709,009 S \* 7/2014 Brzustowicz ..... D12/181  
 D709,431 S \* 7/2014 Karkow ..... D12/345  
 D713,774 S 9/2014 Tritschler  
 D725,548 S 3/2015 Herald  
 D725,576 S 3/2015 Vickers  
 D725,577 S 3/2015 Vickers  
 9,051,046 B2 6/2015 Ivans  
 D739,335 S 9/2015 Robertson  
 D739,807 S 9/2015 Strand  
 D743,868 S 11/2015 Cummings  
 D754,053 S \* 4/2016 Robertson ..... D12/345  
 D755,702 S 5/2016 Hall  
 D758,950 S \* 6/2016 Scooler ..... D12/345  
 9,376,206 B2 6/2016 Ross  
 D763,733 S 8/2016 Gattelli  
 9,650,128 B2 5/2017 Fenny  
 9,657,816 B2 5/2017 Burnett  
 9,663,225 B1 5/2017 Kooiman  
 D797,641 S 9/2017 Cummings  
 D799,402 S 10/2017 Cummings  
 D807,273 S 1/2018 Koppenwallner  
 D808,328 S 1/2018 Ivans  
 D809,448 S \* 2/2018 Schmiderer ..... D12/344  
 D809,970 S 2/2018 Zhou  
 D810,621 S 2/2018 Sadek  
 D813,143 S 3/2018 Belik  
 9,908,631 B2 \* 3/2018 Trapp ..... B64D 27/18  
 D824,320 S 7/2018 Ivans  
 D824,321 S 7/2018 Ivans  
 D825,434 S \* 8/2018 Stemme ..... D12/345  
 D846,480 S \* 4/2019 Wagner ..... D12/345  
 D865,636 S \* 11/2019 Reichert ..... D12/328  
 D909,278 S \* 2/2021 Williams ..... D12/326  
 D909,949 S \* 2/2021 Williams ..... D12/326  
 D913,905 S \* 3/2021 Zhang ..... D12/327  
 D913,906 S \* 3/2021 Zhang ..... D12/327  
 D913,908 S \* 3/2021 Lachendro ..... D12/345  
 D926,663 S \* 8/2021 Hagemeister ..... D12/324  
 D929,304 S \* 8/2021 Stemme ..... D12/345

2010/0209242 A1 8/2010 Popelka  
 2012/0043413 A1 2/2012 Smith  
 2012/0199699 A1 8/2012 Isaac  
 2012/0292456 A1 11/2012 Hollimon  
 2013/0153708 A1 6/2013 Brunken  
 2014/0084080 A1 3/2014 Robertson  
 2014/0263855 A1 9/2014 Ross  
 2014/0322010 A1 10/2014 Rauber  
 2015/0048213 A1 2/2015 Ross  
 2016/0023752 A1 1/2016 Foskey  
 2016/0122039 A1 5/2016 Ehinger  
 2016/0152329 A1 6/2016 Tzeng  
 2016/0207611 A1 7/2016 Fenny  
 2016/0229531 A1 8/2016 Robertson  
 2016/0333797 A1 11/2016 Laramee  
 2016/0340038 A1 11/2016 Chavez  
 2016/0347479 A1 12/2016 O'Neil  
 2017/0036753 A1 2/2017 Shue  
 2017/0121029 A1 5/2017 Blyth  
 2017/0137122 A1 5/2017 Kooiman  
 2017/0190443 A1 7/2017 Fisher  
 2017/0291719 A1 10/2017 Lavine  
 2017/0355460 A1 12/2017 Shannon  
 2018/0079482 A1 3/2018 Ivans  
 2018/0079484 A1 3/2018 Ross  
 2018/0079503 A1 3/2018 Ivans

OTHER PUBLICATIONS

Richard Whittle, "Month After Use, Bell Unveils V-247 Vigilant Tiltrotor Drone;" Sep. 22, 2016.  
 Notice of Allowance, dated Jun. 21, 2017, by the USPTO, re Design U.S. Appl. No. 29/577,578.  
 Notice of Allowance, dated Sep. 20, 2017, by the USPTO, re Design U.S. Appl. No. 29/577,578.  
 Notice of Allowance, dated Jun. 8, 2018, by the USPTO, re Design U.S. Appl. No. 29/628,801.  
 Notice of Allowance, dated Jun. 8, 2018, by the USPTO, re Design U.S. Appl. No. 29/628,827.  
 Office Action, dated Sep. 7, 2018, by the USPTO, re Design U.S. Appl. No. 29/628,792.  
 Final Rejection, dated Feb. 25, 2019, by the USPTO, re Design U.S. Appl. No. 29/628,792.  
 DefenseNews; Video: Check out Bell's V-247 Vigilant at Modern Day Marine; Sep. 15, 2018; <https://www.defensenews.com/video/2018/09/25/check-out-bells-v-247-vigilant-at-modern-day-marine/>.

\* cited by examiner

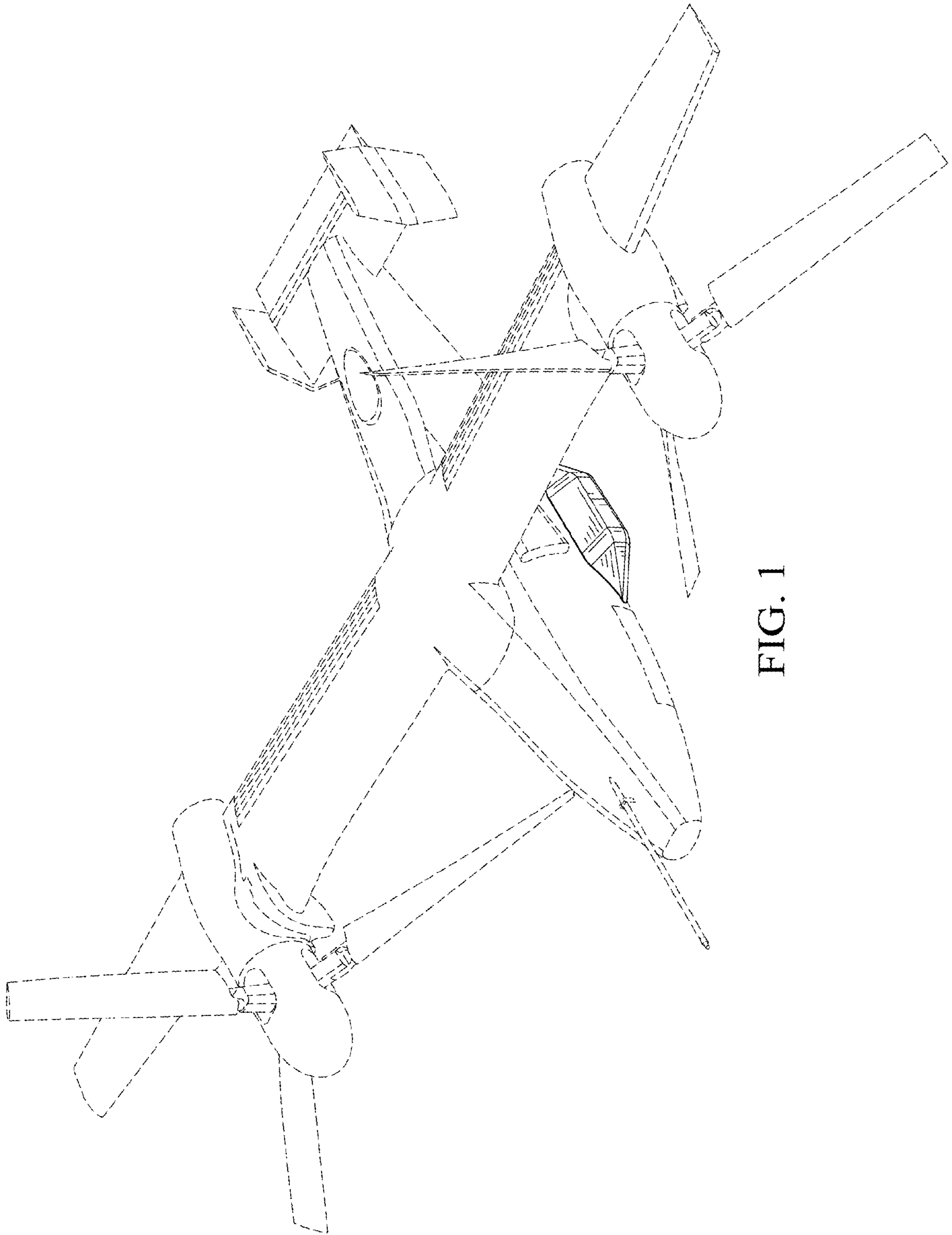


FIG. 1



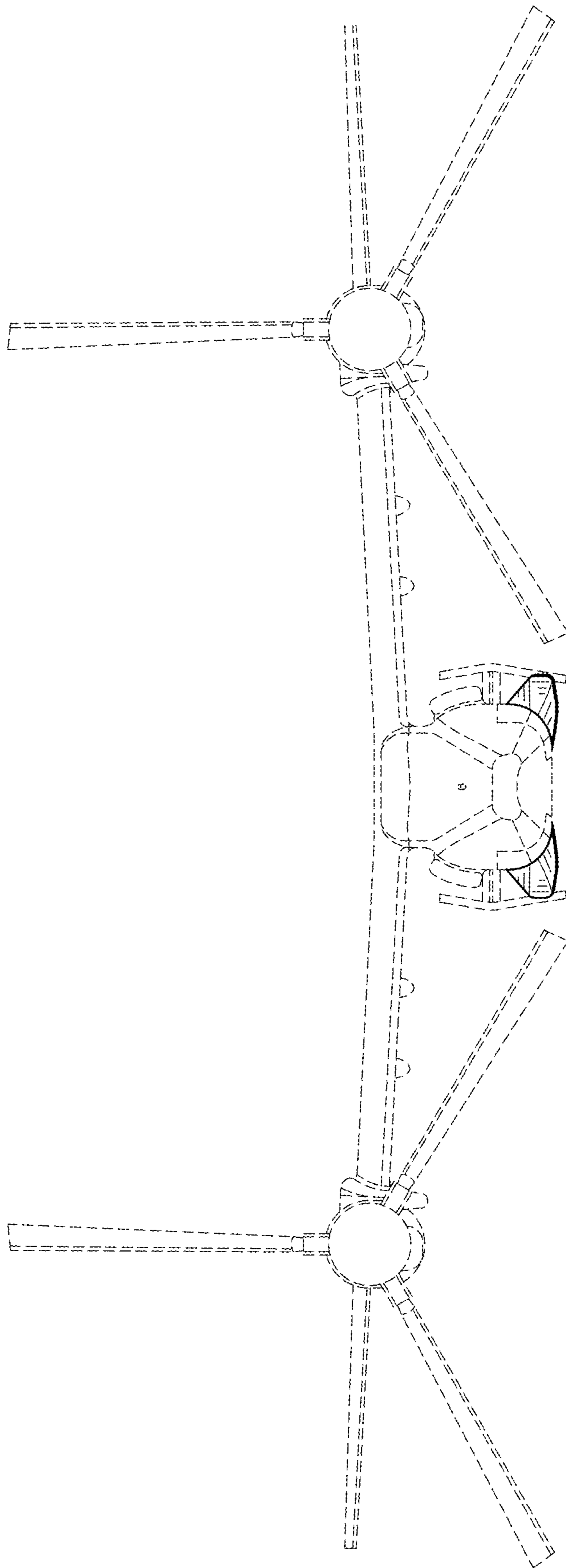


FIG. 2

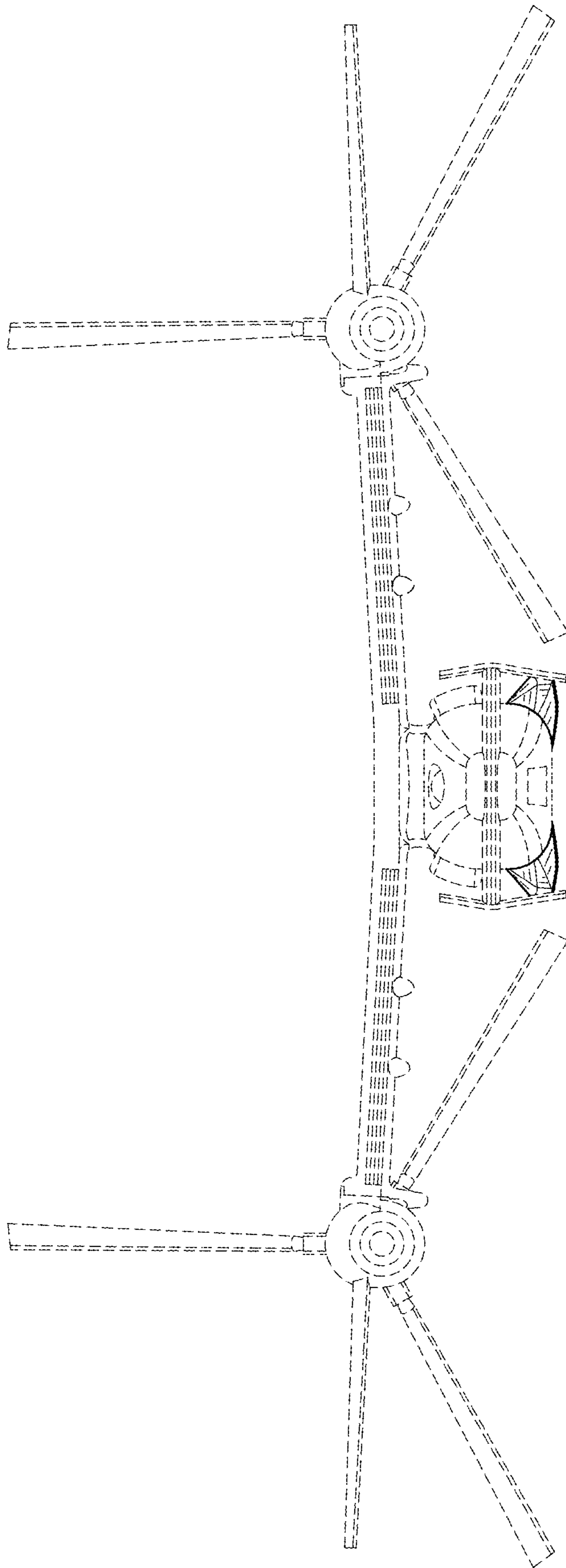


FIG. 3

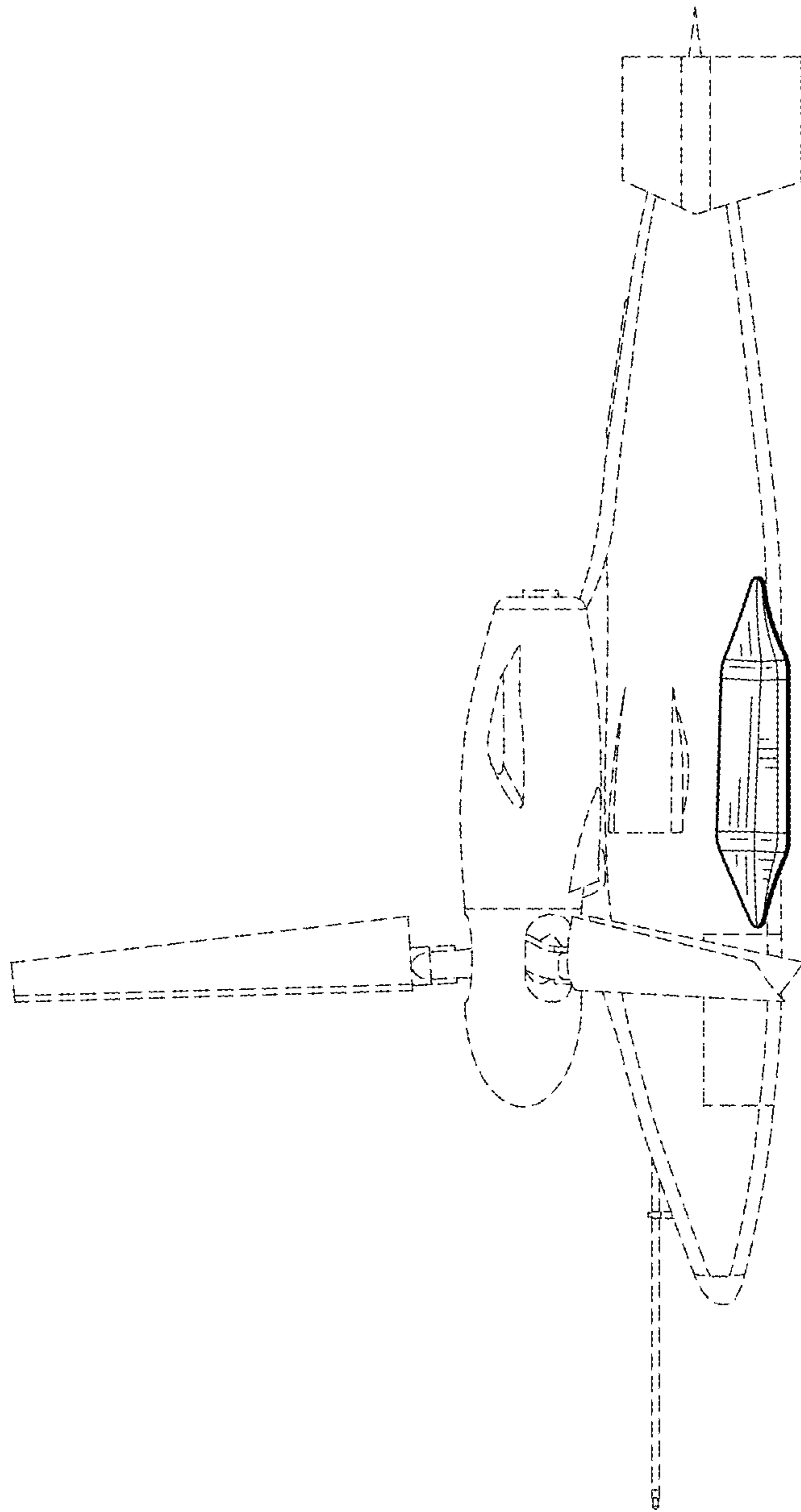


FIG. 4

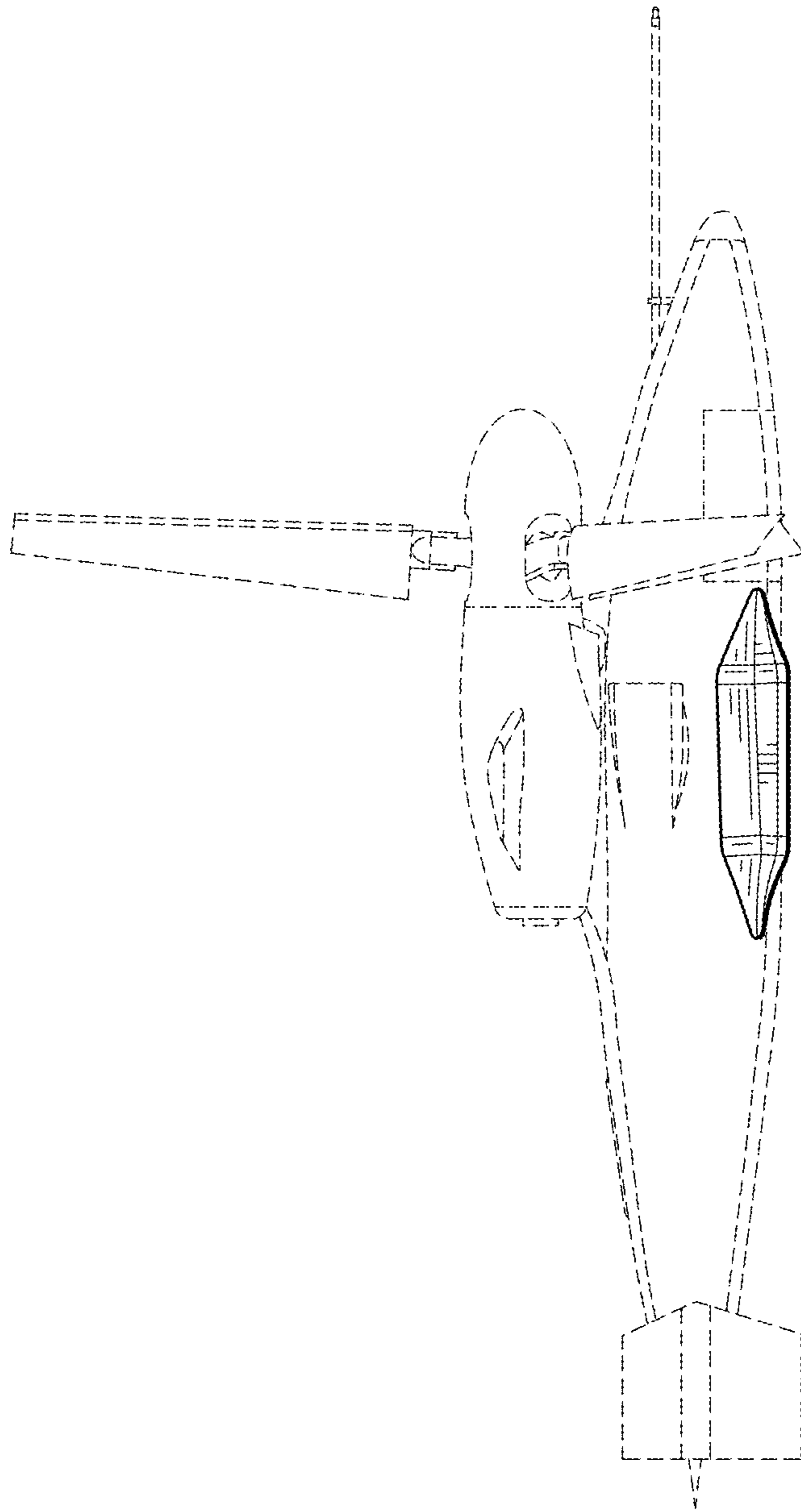


FIG. 5

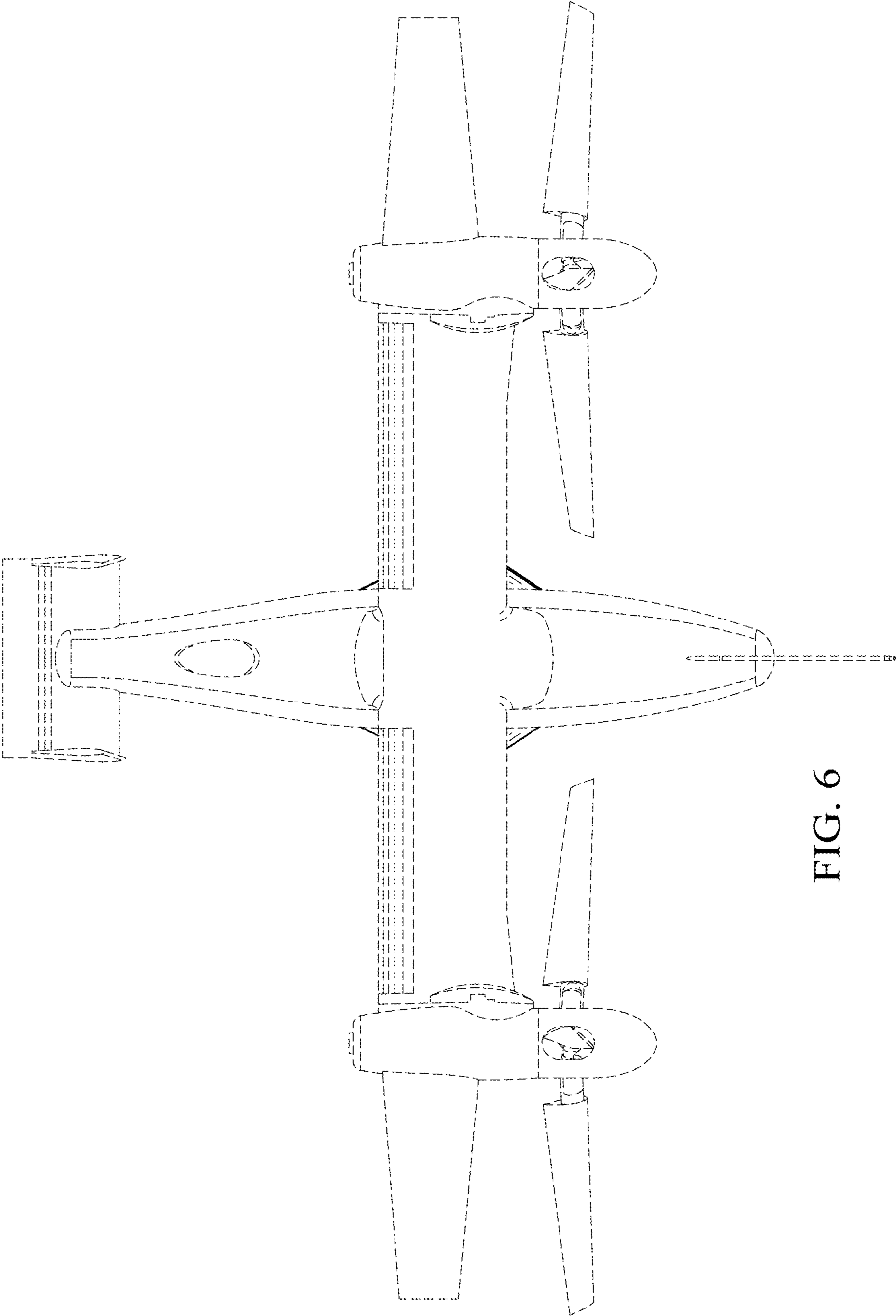


FIG. 6



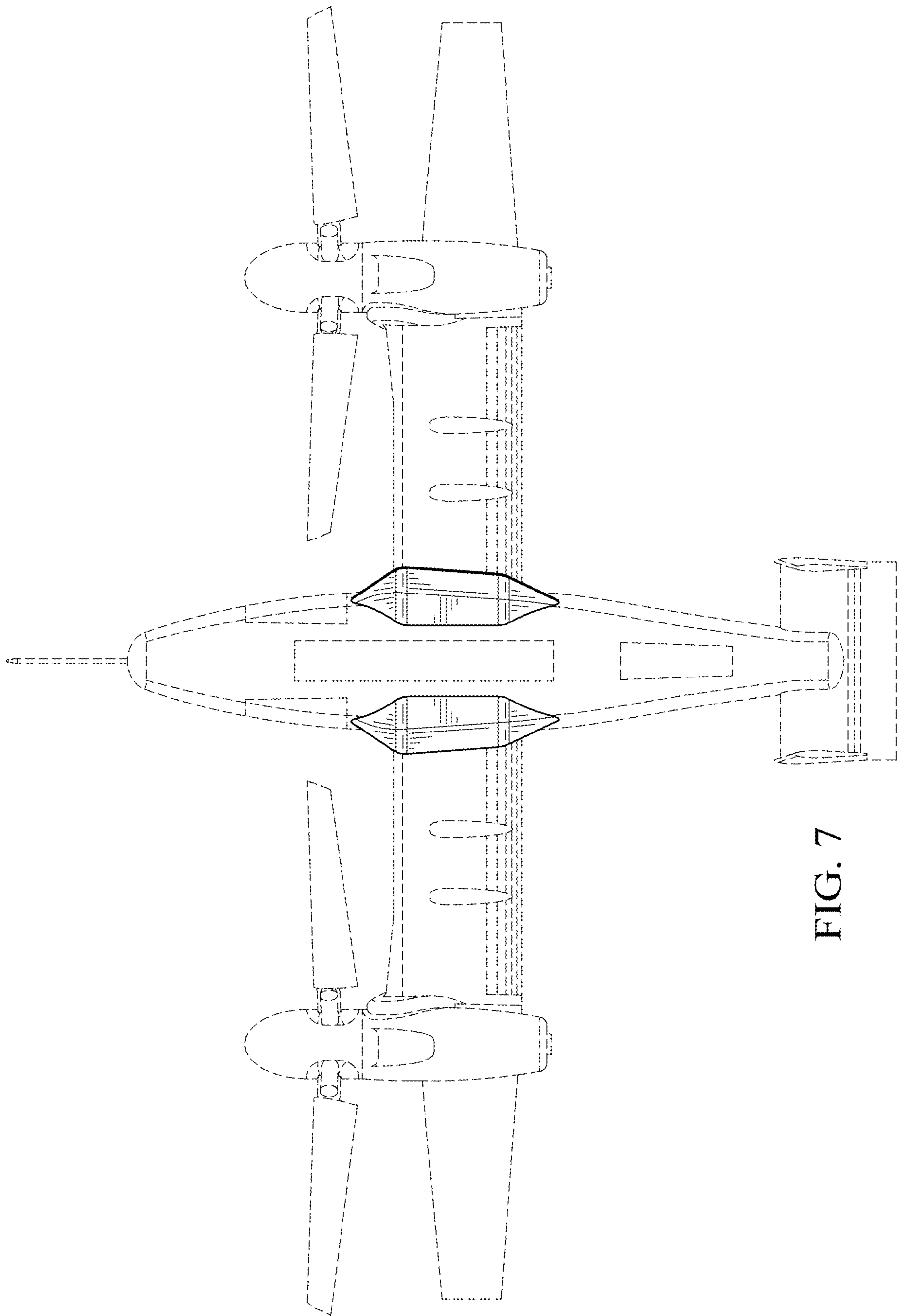


FIG. 7