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

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(54) **DUCTED ROTOR**

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

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

(52) **U.S. Cl.**
USPC **D12/345**

(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

D454,109	S *	3/2002	Moshier	.....	D12/319
10,040,548	B2 *	8/2018	Alzahrani	.....	B64C 25/32
D872,004	S *	1/2020	Nunes	.....	D12/328
D887,948	S *	6/2020	Loveland	.....	D12/328
2018/0057157	A1 *	3/2018	Groninga	.....	B64C 27/82
2018/0208305	A1 *	7/2018	Lloyd	.....	B60L 50/61
2018/0362160	A1 *	12/2018	Groninga	.....	B64C 29/0033
2020/0216170	A1 *	7/2020	Loveland	.....	B64C 25/52

2020/0223530	A1 *	7/2020	Carpenter, Jr.	.....	B64C 11/46
2020/0239134	A1 *	7/2020	Robertson	.....	B64C 29/0033
2020/0239152	A1 *	7/2020	Rainville	.....	B64D 33/08
2020/0255135	A1 *	8/2020	Hong	.....	B64C 39/08
2020/0262553	A1 *	8/2020	Gomez	.....	B64C 39/08

OTHER PUBLICATIONS

Bell Reveals the City of the Future at CES 2020 (article) [Jan. 6, 2020] found online [Nov. 30, 2020]—<https://news.bellflight.com/en-US/184550-bell-reveals-the-city-of-the-future-at-ces-2020>.*

* cited by examiner

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(57) **CLAIM**

The ornamental design for a ducted rotor, substantially as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of our new design for a ducted rotor;

FIG. 2 is another perspective view of the ducted rotor as shown in FIG. 1 in an alternate configuration of use;

FIG. 3 is a side view in elevation of the ducted rotor as shown in FIG. 2;

FIG. 4 is a top plan view of the ducted rotor as shown in FIG. 2;

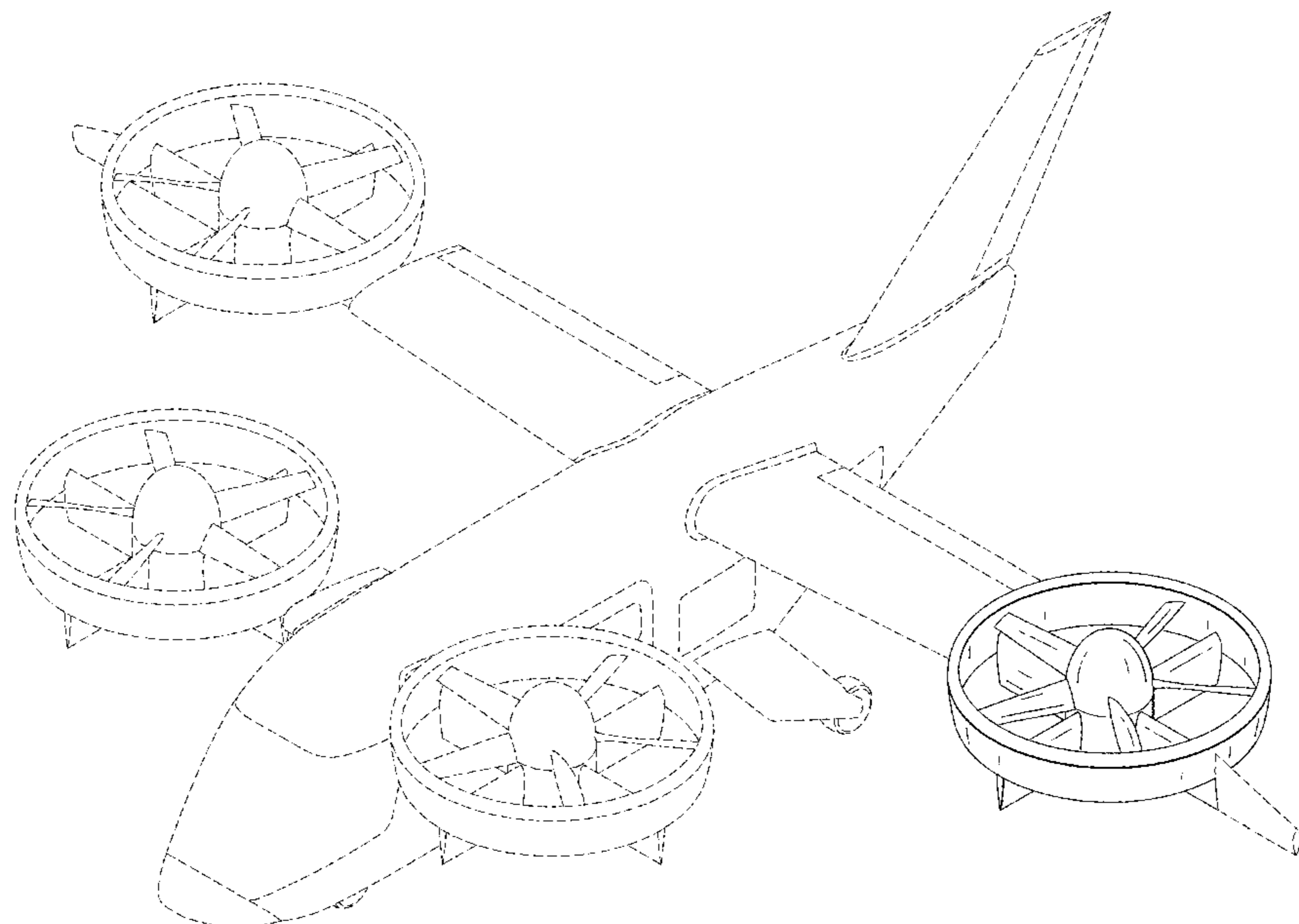
FIG. 5 is a front elevational view of the ducted rotor as shown in FIG. 2;

FIG. 6 is a bottom plan view of the ducted rotor as shown in FIG. 2; and,

FIG. 7 is a rear elevational view of the ducted rotor as shown in FIG. 2.

The broken lines in the drawings are for the purpose of illustrating environmental structure and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



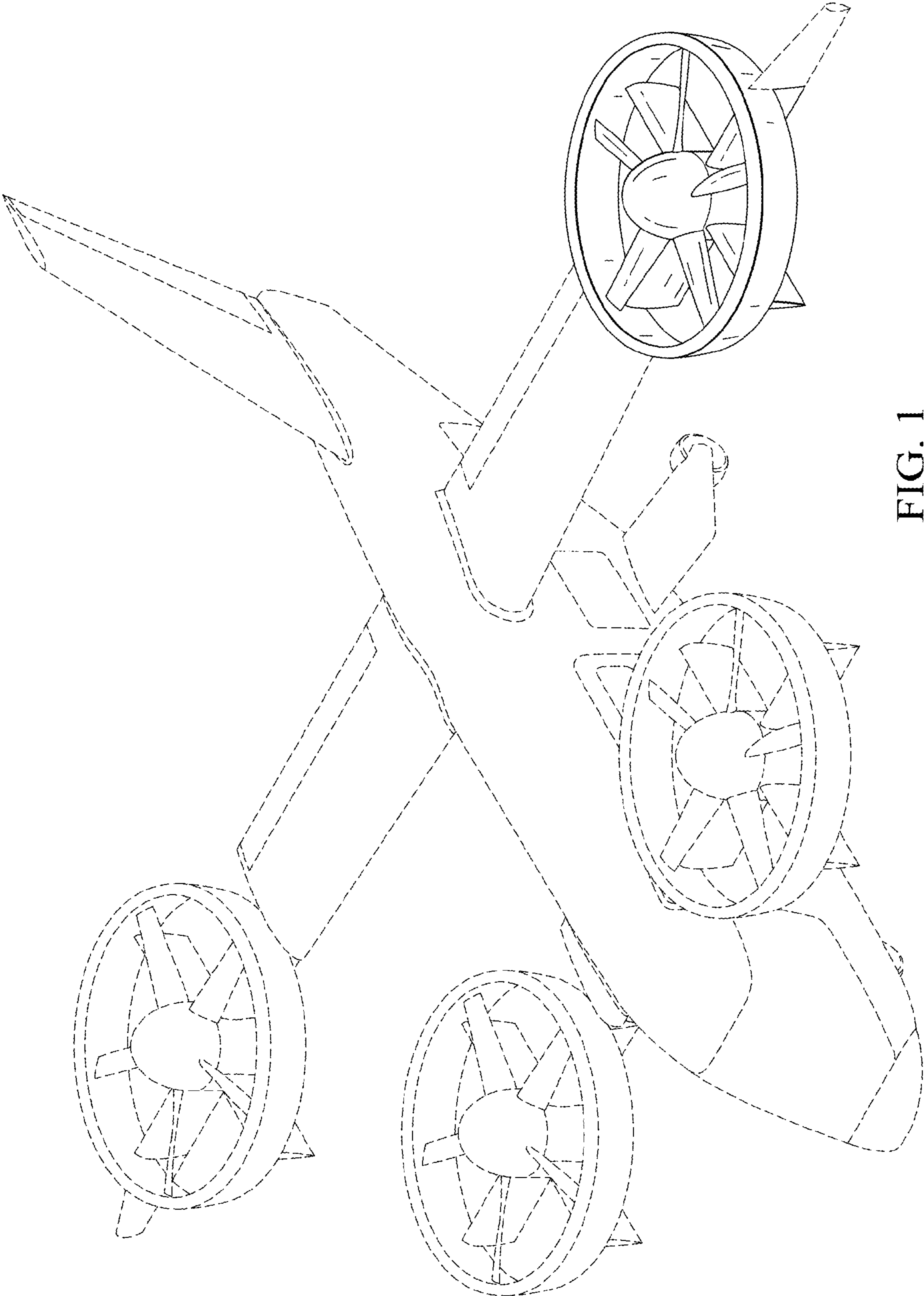


FIG. 1

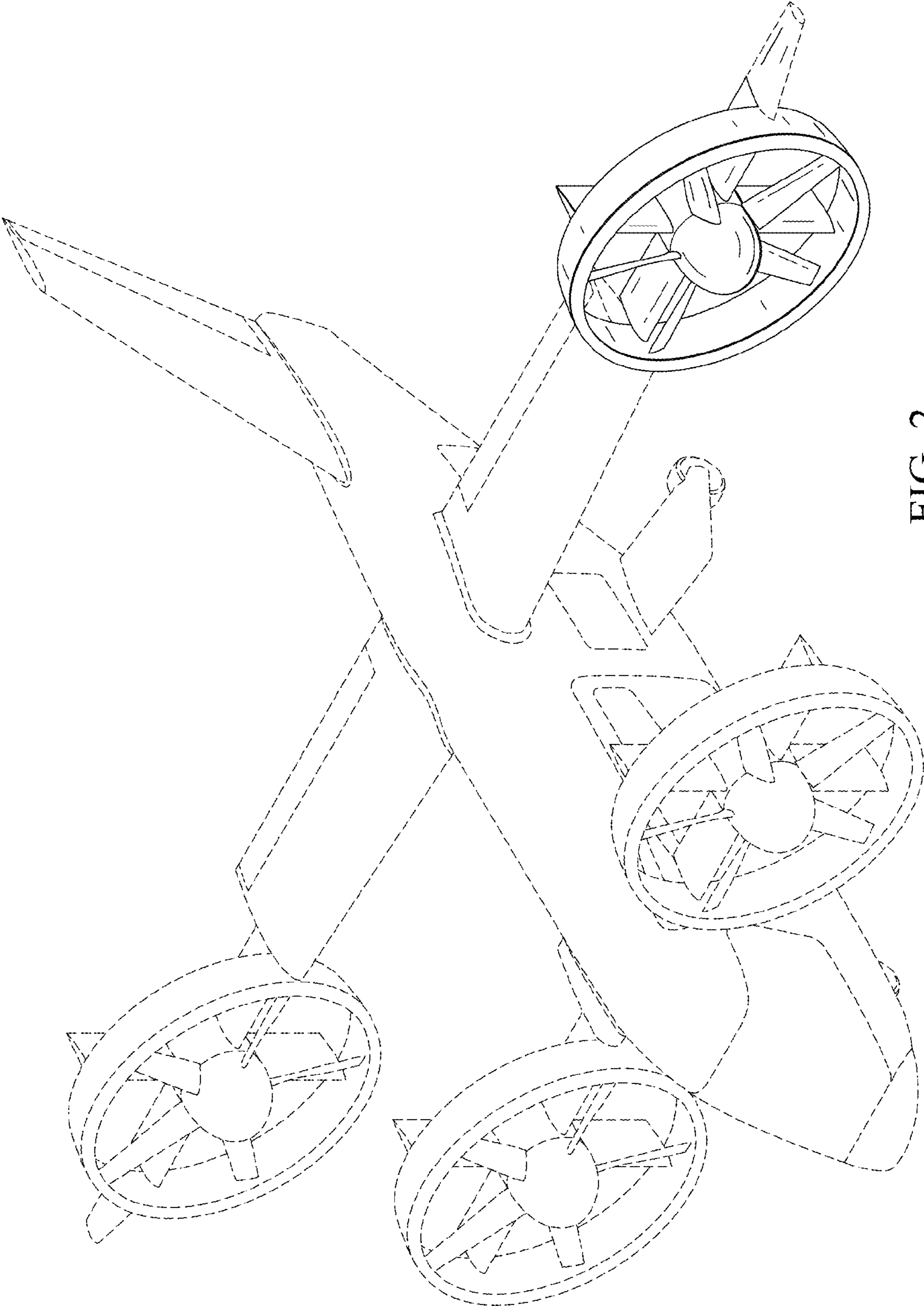


FIG. 2

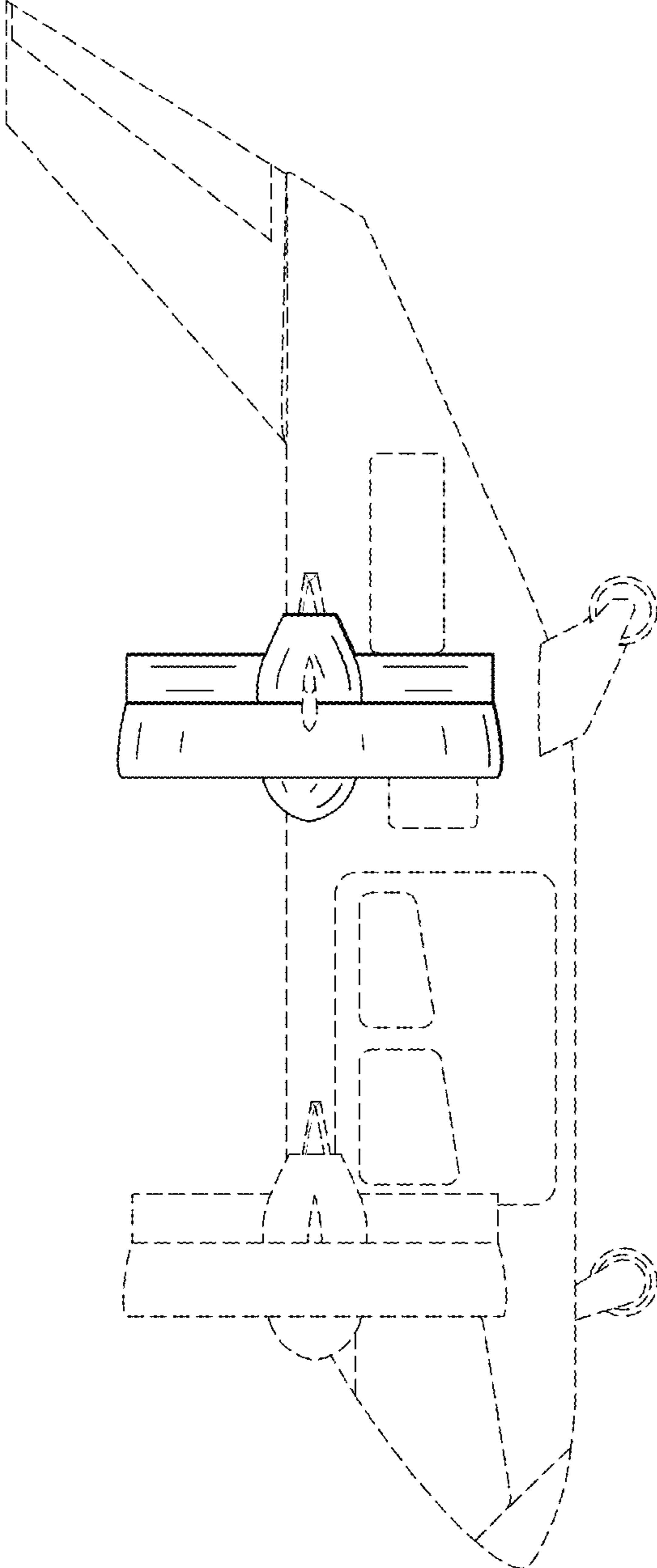


FIG. 3

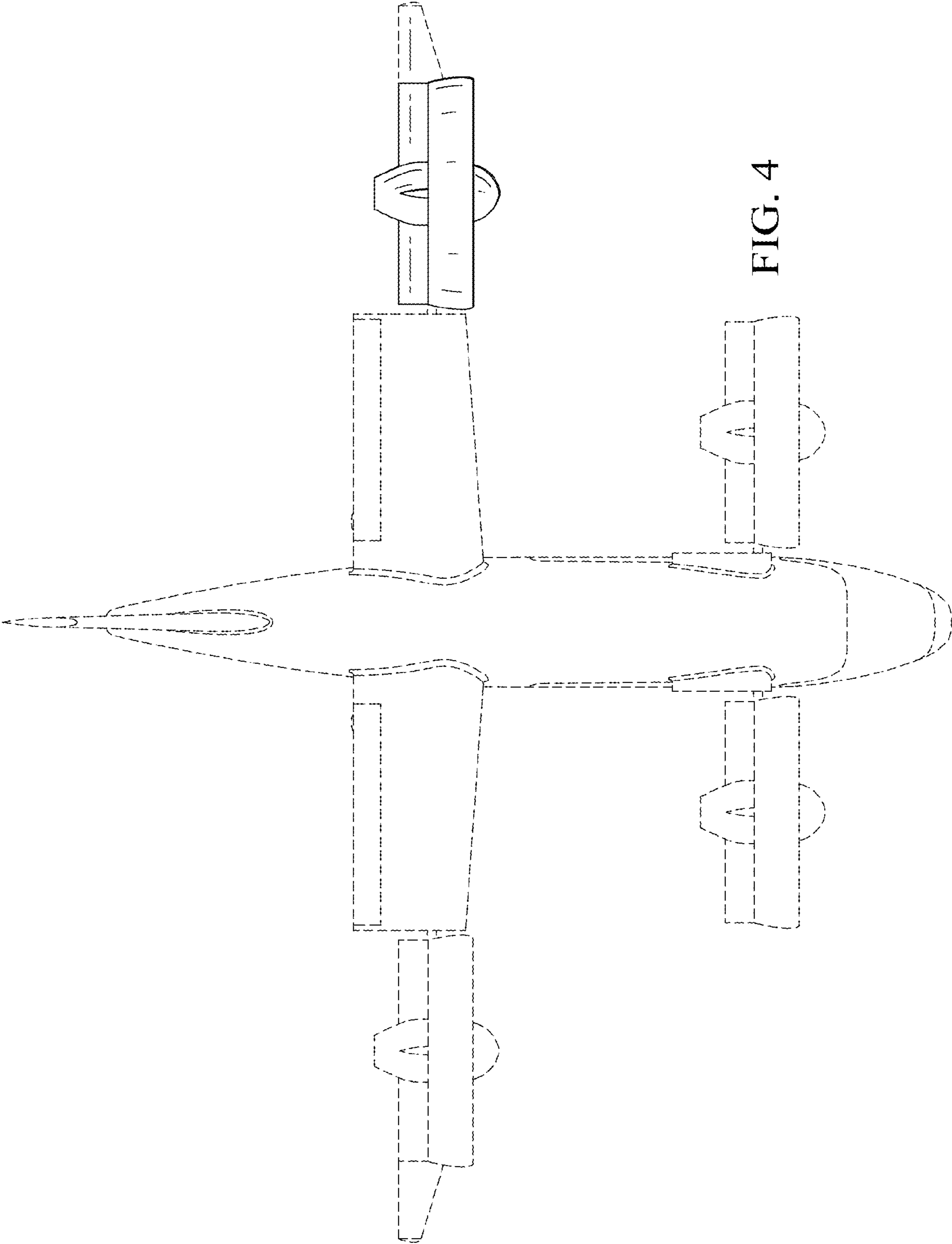


FIG. 4

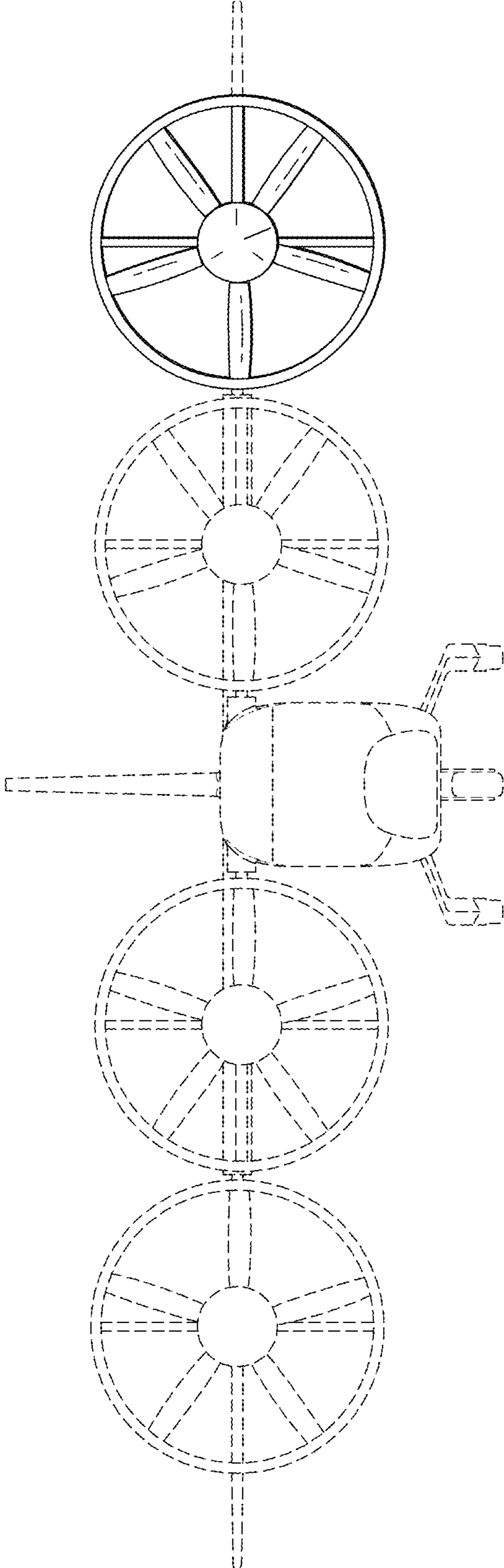


FIG. 5

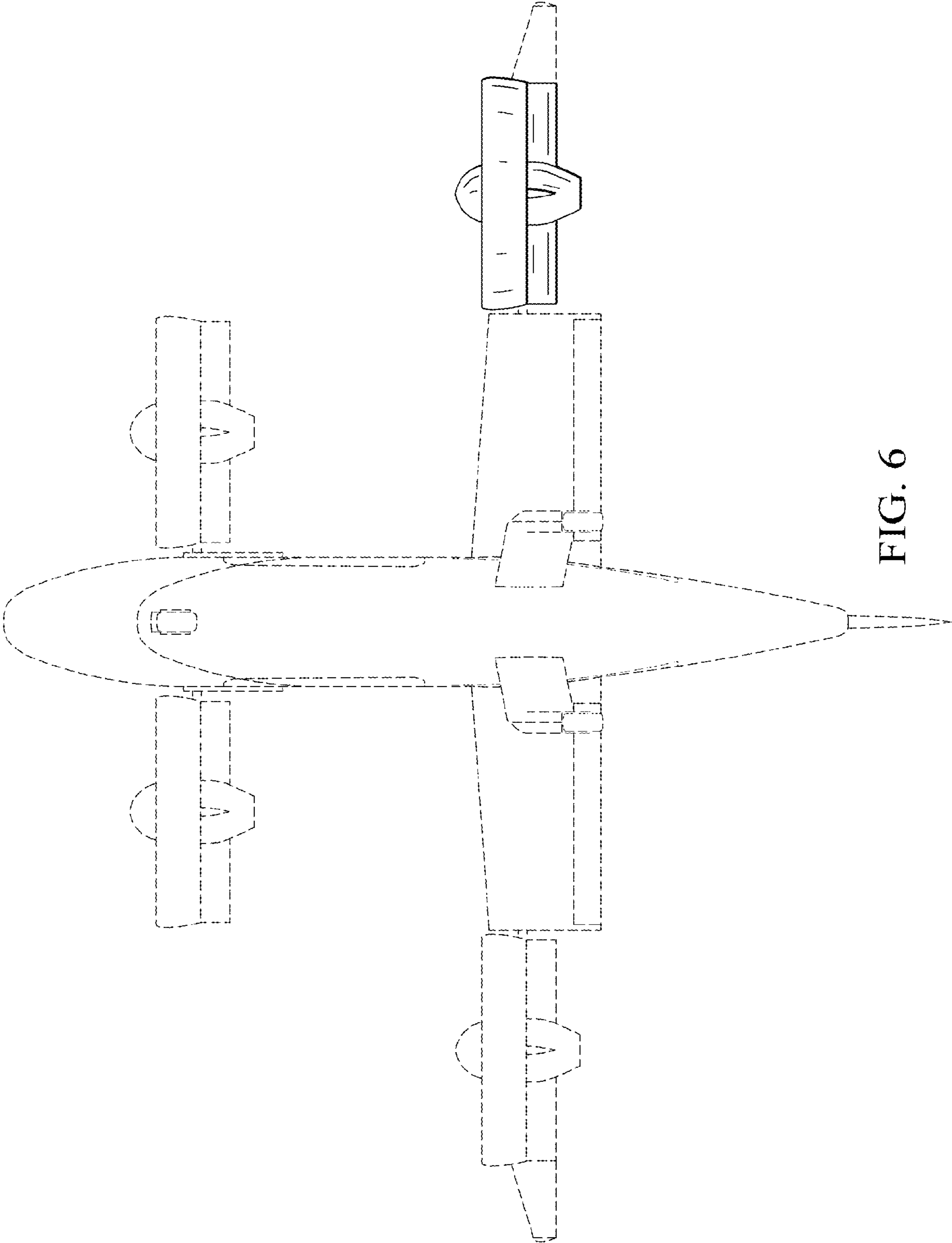


FIG. 6

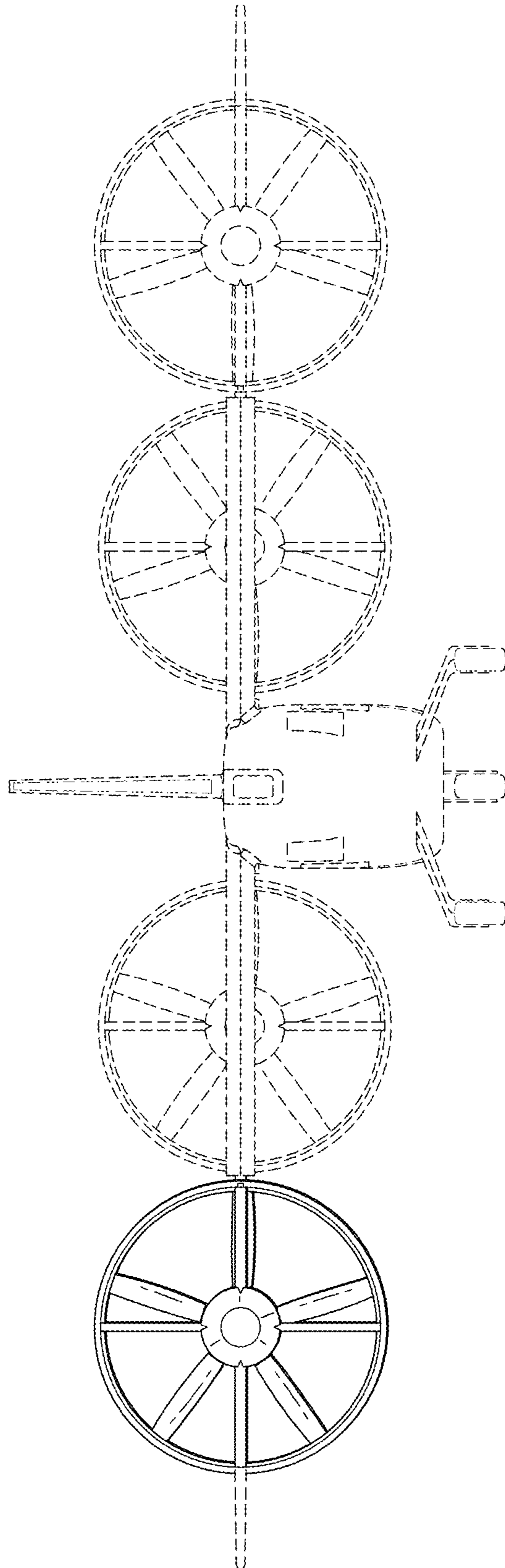


FIG. 7