



US00D816581S

(12) **United States Design Patent** (10) **Patent No.:** **US D816,581 S**
Zhao (45) **Date of Patent:** **** May 1, 2018**

(54) **QUADCOPTER**
(71) Applicant: **Jianjia Zhao**, Zhangzhou (CN)
(72) Inventor: **Jianjia Zhao**, Zhangzhou (CN)
(**) Term: **15 Years**
(21) Appl. No.: **29/586,600**
(22) Filed: **Dec. 6, 2016**
(51) **LOC (11) Cl.** **12-07**
(52) **U.S. Cl.**
USPC **D12/328**; D12/16.1
(58) **Field of Classification Search**
USPC D12/3, 16.1, 319–345; D21/436–455
CPC B64C 39/024; B64C 2201/108
See application file for complete search history.

D751,025 S * 3/2016 Howell D12/16.1
D761,690 S * 7/2016 Friesmuth D12/16.1
D776,569 S * 1/2017 Baruchin D12/16.1
D779,595 S * 2/2017 Xiao D12/16.1
9,632,509 B1 * 4/2017 Aphek B64C 39/024
D787,372 S * 5/2017 Ketcher D12/16.1
D789,248 S * 6/2017 Ketcher D12/16.1
2007/0105474 A1 * 5/2007 Gotou A63H 27/02
446/37
2008/0048065 A1 * 2/2008 Kuntz A63H 17/00
244/17.23
2009/0283629 A1 * 11/2009 Kroetsch A63H 27/12
244/17.23
2011/0299732 A1 * 12/2011 Jonchery A63H 27/12
382/103
2012/0241555 A1 * 9/2012 Savoye A63H 27/12
244/54
2014/0374532 A1 * 12/2014 Duffy B64C 37/02
244/2

(Continued)

Primary Examiner — Robert M. Spear
Assistant Examiner — Marissa J Cash

(56) **References Cited**

U.S. PATENT DOCUMENTS

D189,462 S * 12/1960 Vogt D12/329
D418,805 S * 1/2000 Cycon 244/12.3
D445,086 S * 7/2001 Moshier D12/319
D543,928 S * 6/2007 Sanders, Jr. B64C 27/12
D12/319
D648,809 S * 11/2011 Seydoux D21/441
D659,771 S * 5/2012 Seydoux D21/441
8,214,088 B2 * 7/2012 Lefebure A63H 27/12
244/189
D696,618 S * 12/2013 Wang D12/326
8,662,438 B2 * 3/2014 Savoye A63H 27/12
244/17.11
D708,272 S * 7/2014 Schmelter D12/16.1
8,909,391 B1 * 12/2014 Peeters G05D 1/0027
701/2
8,991,740 B2 * 3/2015 Olm B60F 5/02
244/2
D740,201 S * 10/2015 Wang D12/326
D741,751 S * 10/2015 Klaptocz D12/16.1
D747,775 S * 1/2016 Colin D12/16.1

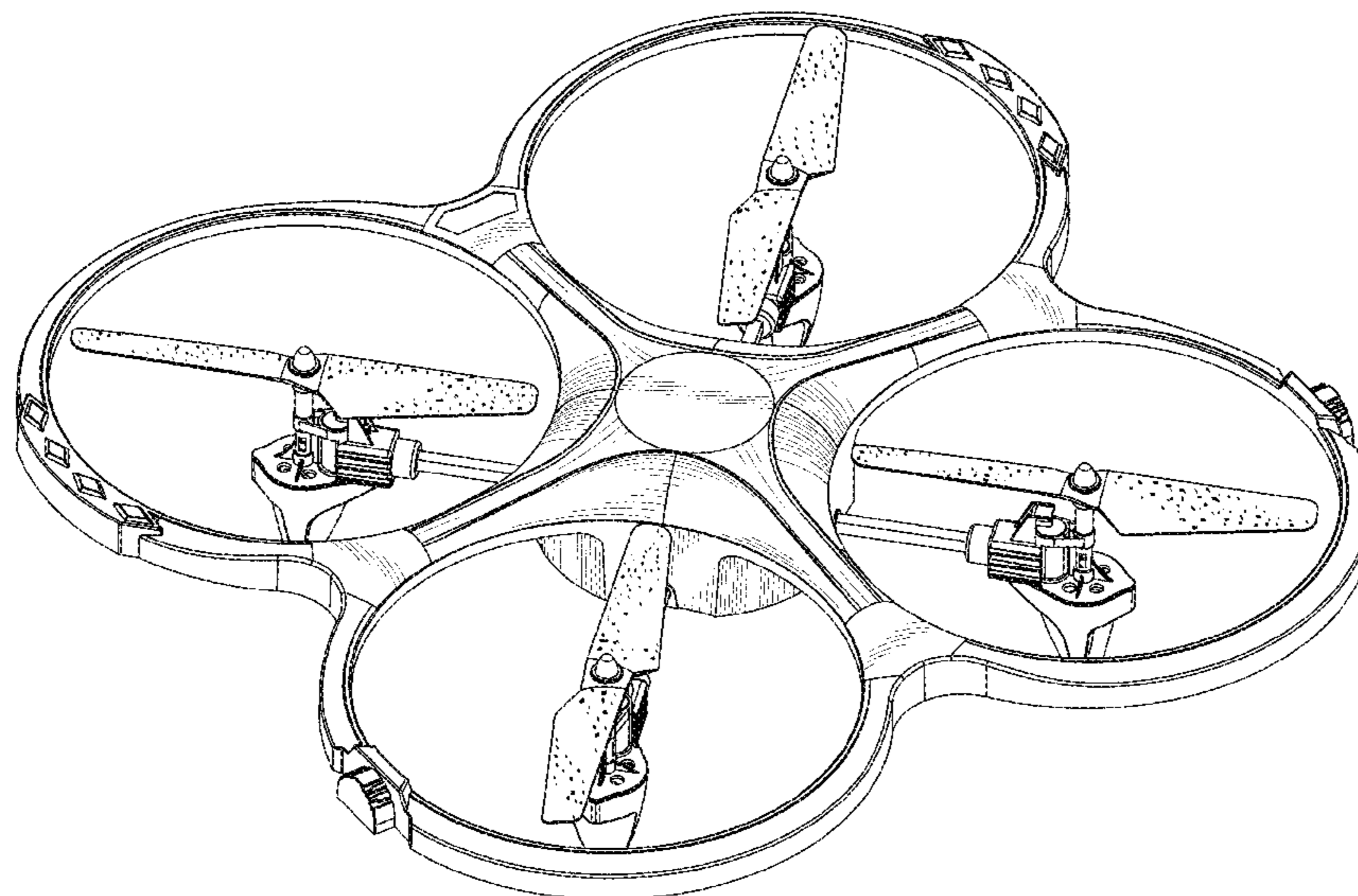
(57) **CLAIM**

The ornamental design for a quadcopter, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of quadcopter showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side elevational view thereof;
FIG. 4 is a right side elevational view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a top perspective view thereof; and,
FIG. 8 is a bottom perspective view thereof.
The stippling shown on the propellers of the quadcopter in FIGS. 5-8 indicates a difference in appearance.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2015/0148988 A1* 5/2015 Fleck G05D 1/0011
701/2
2015/0149000 A1* 5/2015 Rischmuller B64C 39/024
701/7
2015/0175258 A1* 6/2015 Lee B64C 27/08
244/17.23
2015/0331427 A1* 11/2015 Chaudary B64C 39/024
244/17.13
2017/0113816 A1* 4/2017 High B64F 3/00
2017/0259914 A1* 9/2017 Bevirt B64C 27/52
2017/0269609 A1* 9/2017 Bradlow G05D 1/102
2017/0274983 A1* 9/2017 Beckman B64C 11/48
2017/0277187 A1* 9/2017 Refai G06T 7/30
2017/0285661 A1* 10/2017 Harada G05D 1/101
2017/0300067 A1* 10/2017 Douglas G05D 1/0858

* cited by examiner

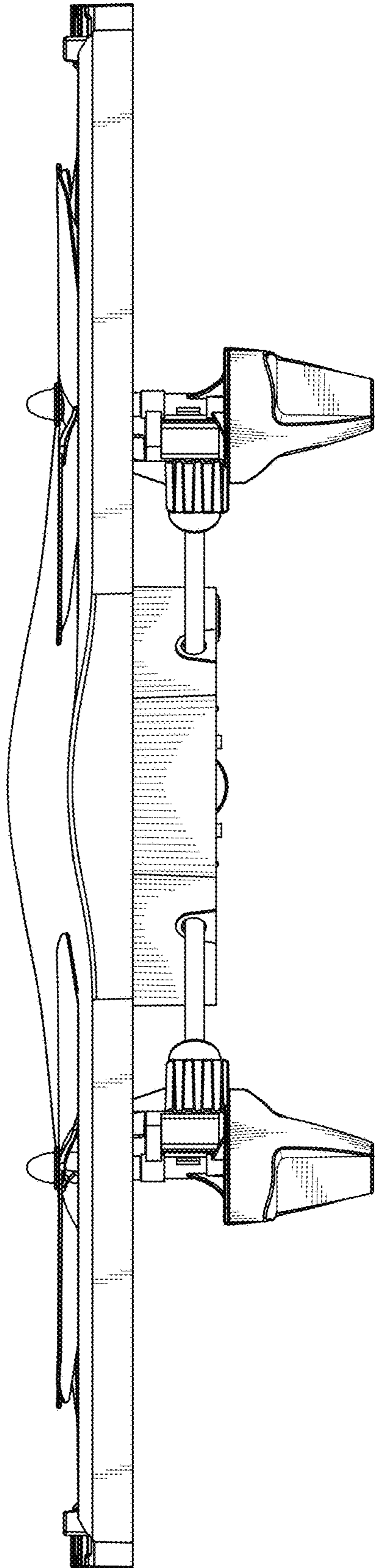


FIG.1

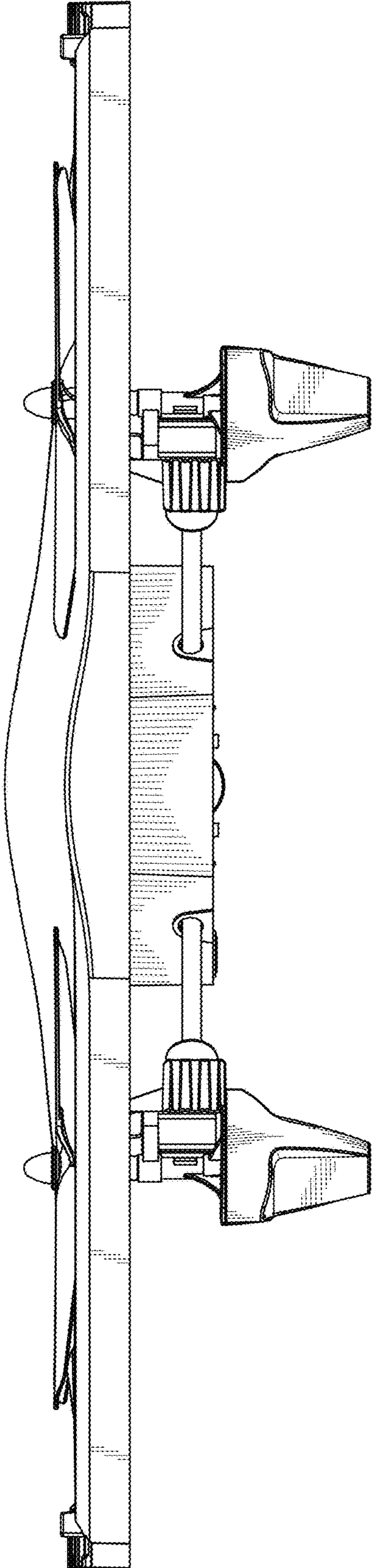


FIG.2

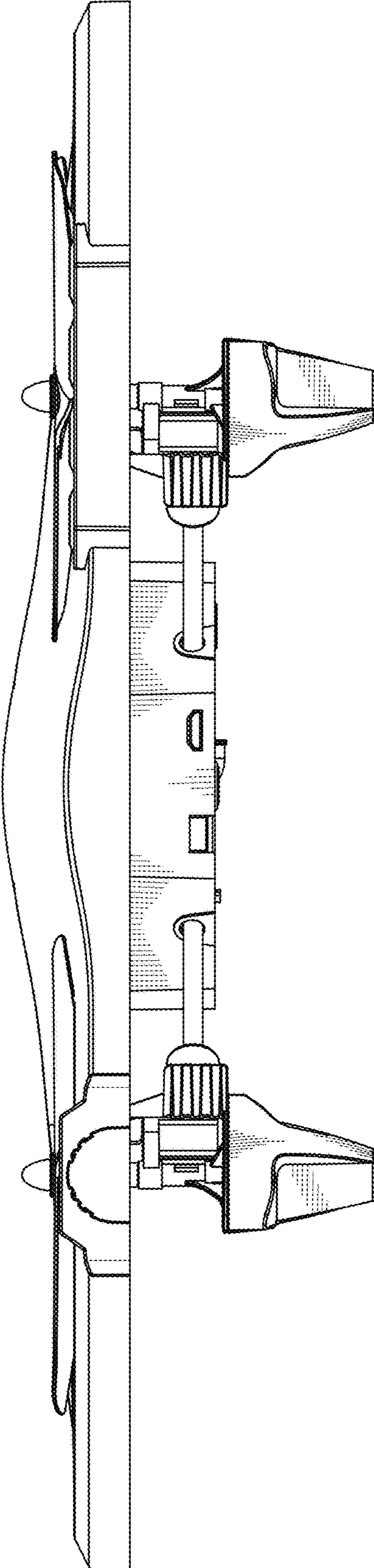


FIG.3

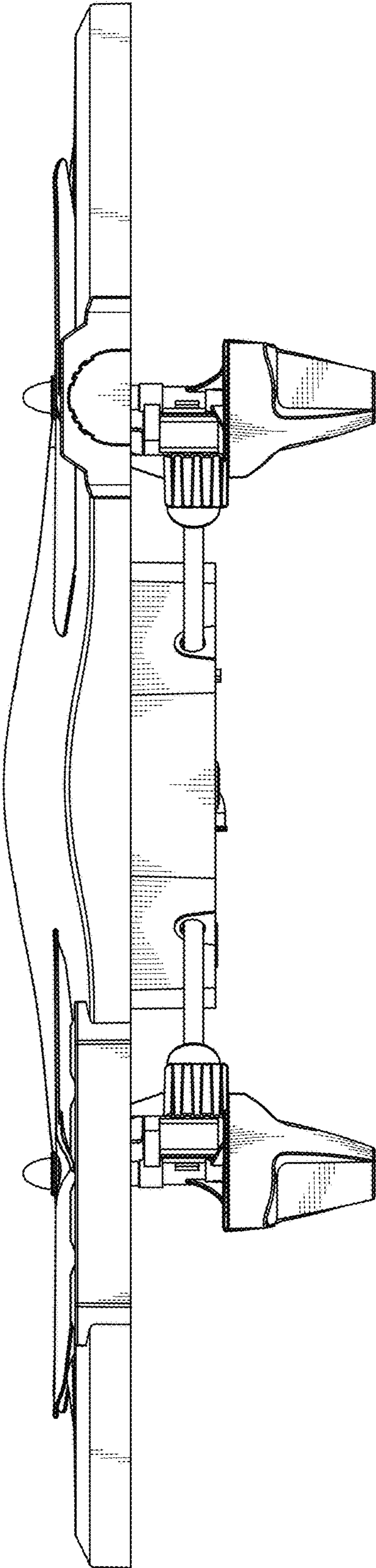


FIG.4

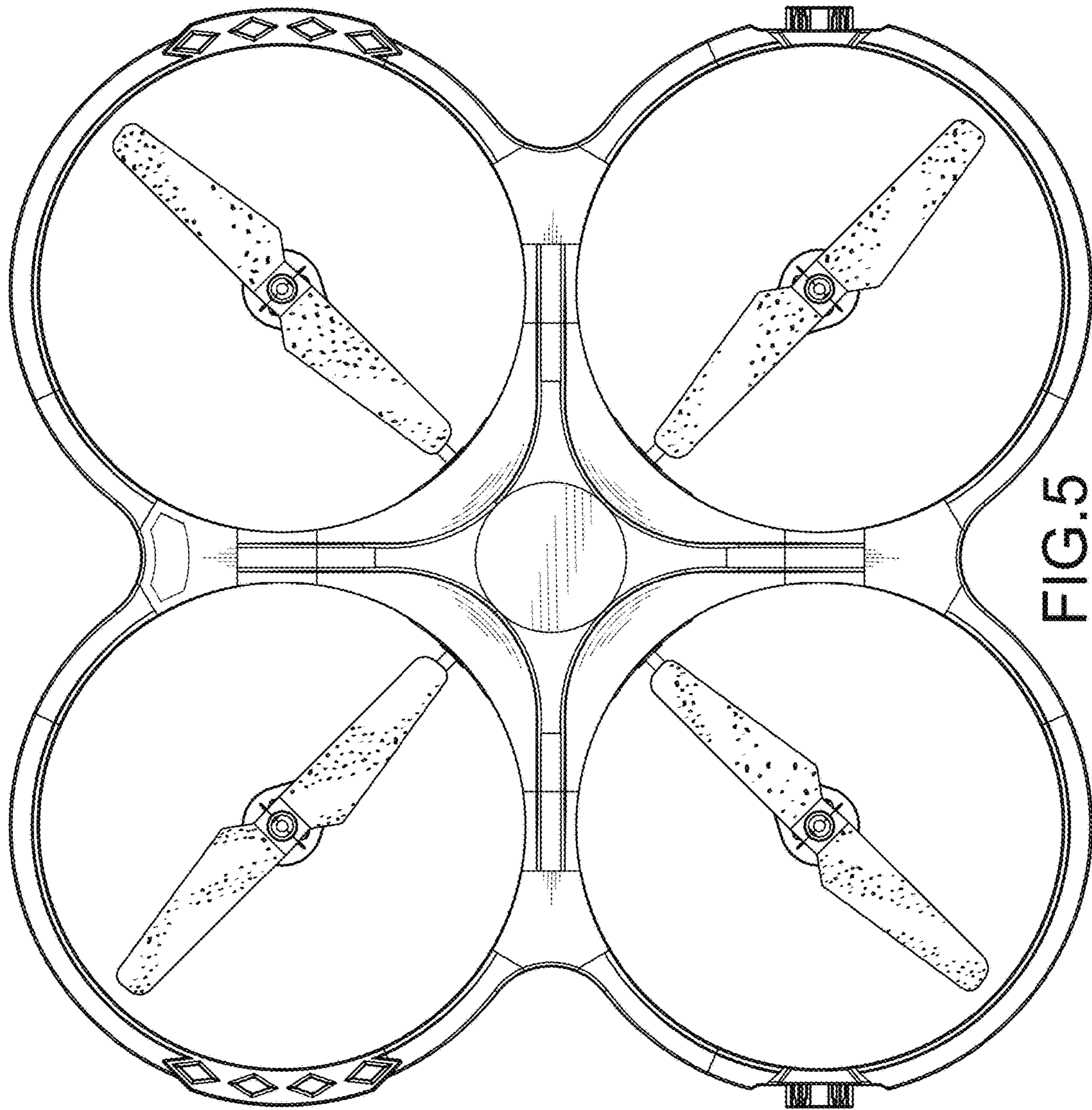


FIG.5

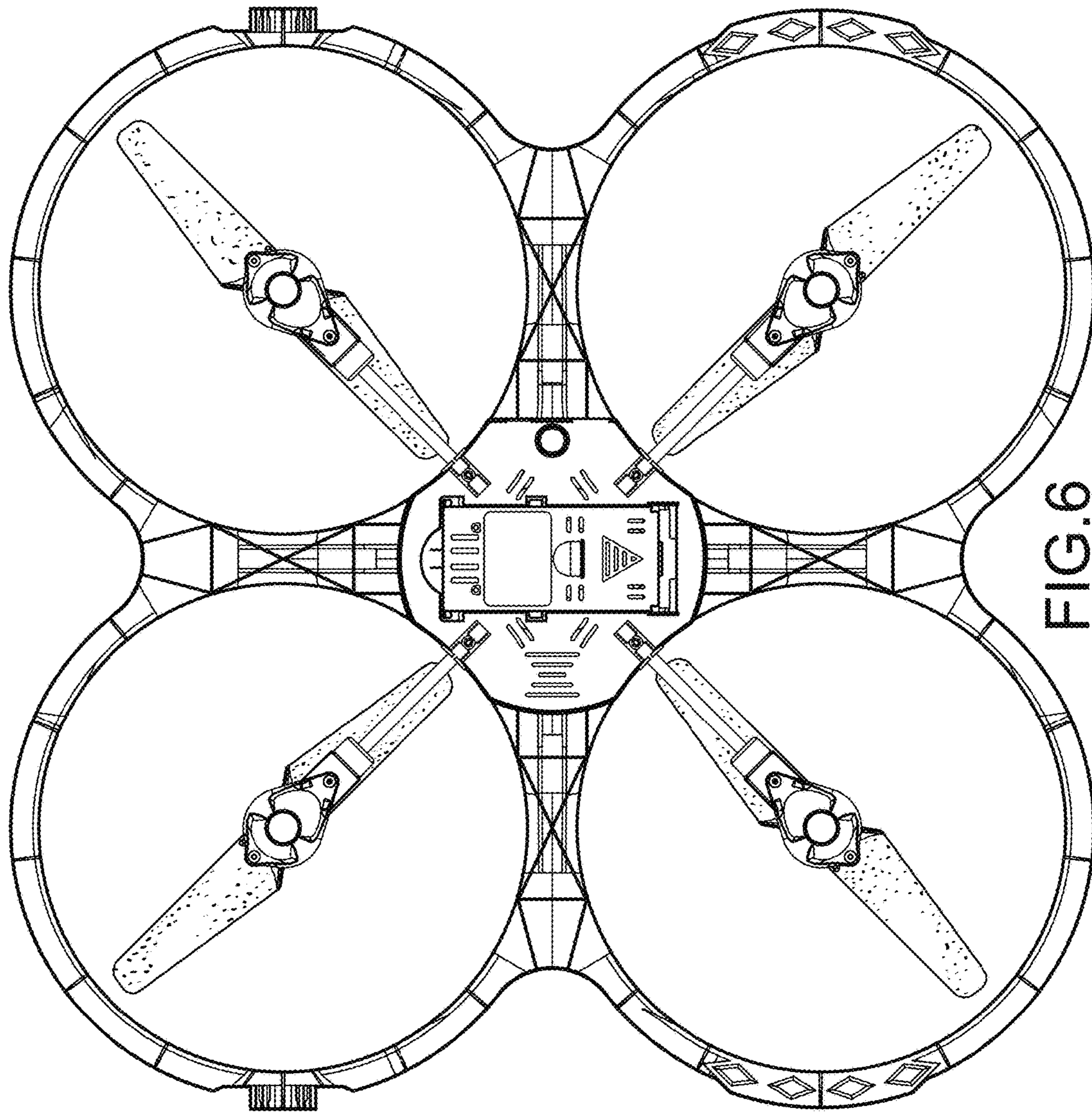


FIG.6

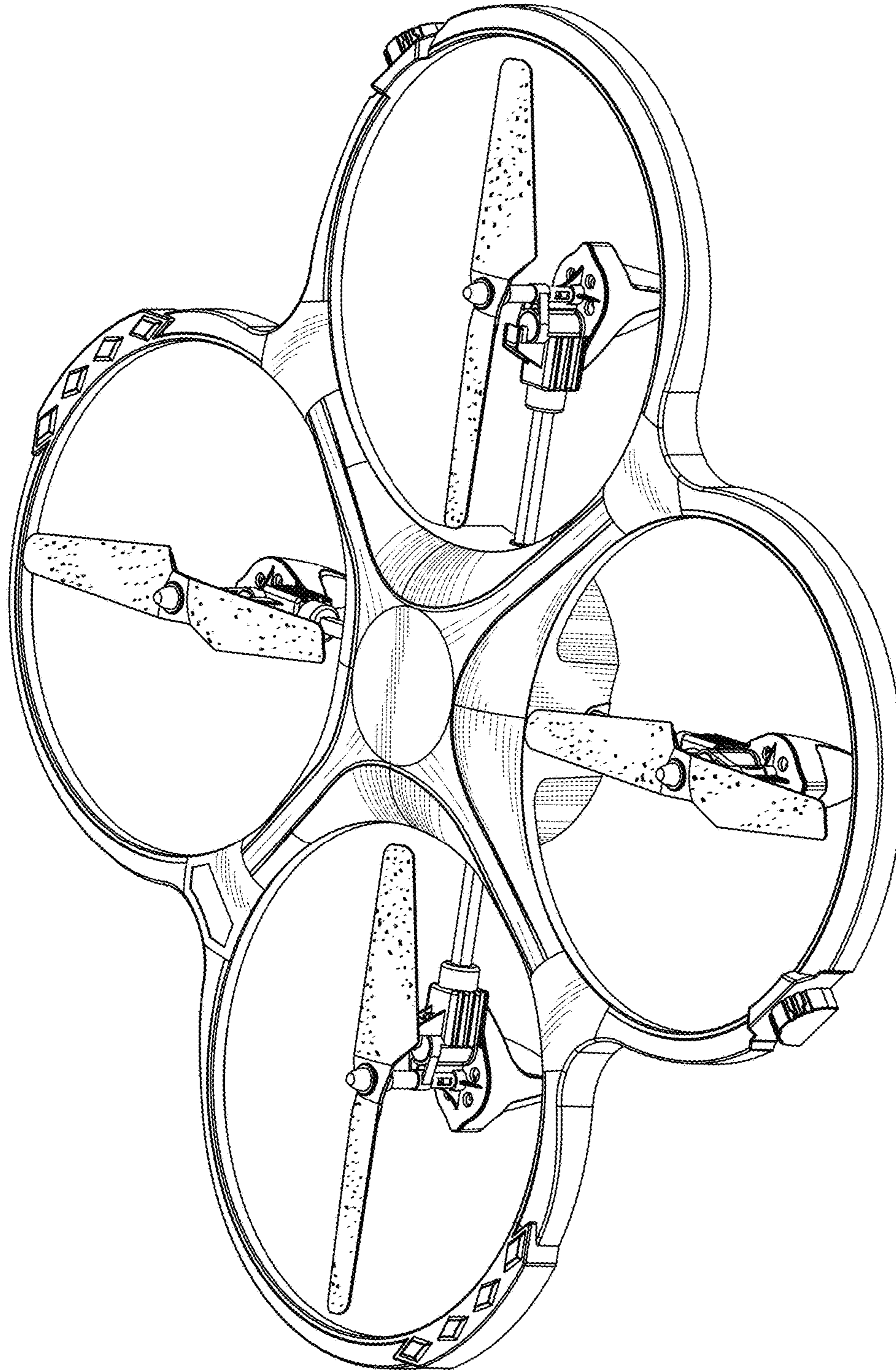


FIG.7

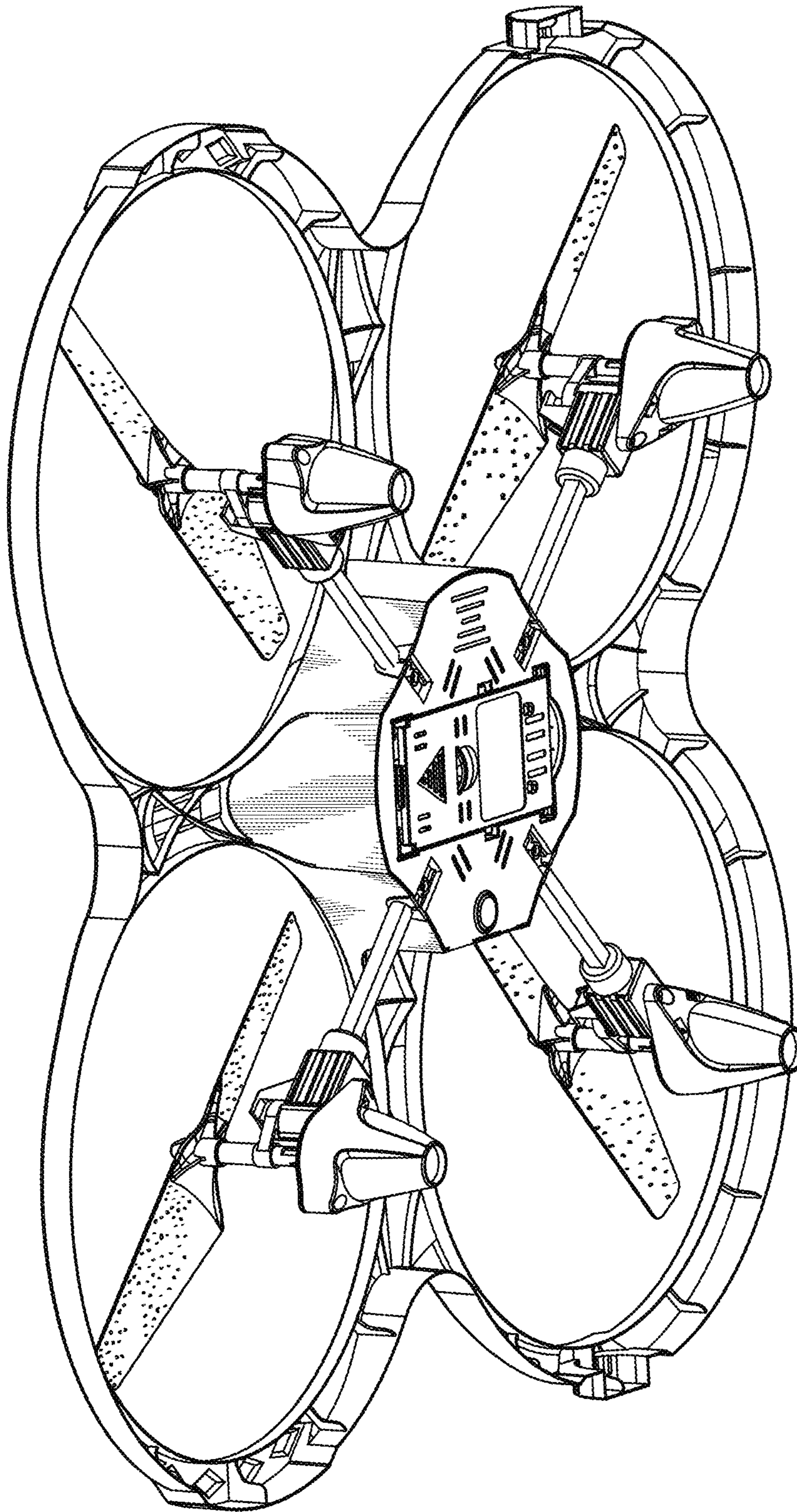


FIG.8