



US00D890682S

(12) **United States Design Patent**  
**Maalouf**

(10) **Patent No.:** **US D890,682 S**

(45) **Date of Patent:** **\*\* Jul. 21, 2020**

(54) **DRONE ARM ASSEMBLY**

(71) Applicant: **Tarek Maalouf**, Spring, TX (US)

(72) Inventor: **Tarek Maalouf**, Spring, TX (US)

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

(21) Appl. No.: **29/680,921**

(22) Filed: **Feb. 21, 2019**

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

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

(58) **Field of Classification Search**  
USPC ..... D12/1, 2, 3, 4, 16.1, 319–345;  
D21/437–455  
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**

3,614,029	A *	10/1971	Eickmann	.....	B64C 11/00 244/17.23
D261,376	S *	10/1981	Tipton	.....	D12/1
D455,113	S *	4/2002	Sehgal	.....	D12/345
D628,658	S *	12/2010	Wurm	.....	D21/442
D741,779	S *	10/2015	Hsiao	.....	D12/16.1
D777,059	S *	1/2017	Zhang	.....	D12/16.1
D789,457	S *	6/2017	McCartin	.....	D21/453
D800,602	S *	10/2017	Hsiao	.....	D12/16.1
D803,097	S *	11/2017	Wang	.....	D12/16.1
D828,222	S *	9/2018	Yu	.....	D12/16.1
D843,921	S *	3/2019	Shi	.....	D12/345

D852,091	S *	6/2019	Tompkin	.....	D12/16.1
D852,721	S *	7/2019	Cummings	.....	D12/343
D873,173	S *	1/2020	Brucker	.....	D12/1
D873,174	S *	1/2020	Sokuza	.....	D12/1
2014/0263822	A1 *	9/2014	Malveaux	.....	B64C 39/024 244/17.23
2015/0266577	A1 *	9/2015	Jones	.....	H04B 7/18504 701/3
2015/0344136	A1 *	12/2015	Dahlstrom	.....	B64C 39/024 701/3
2018/0208070	A1 *	7/2018	Sanchez	.....	B60L 53/80

\* cited by examiner

*Primary Examiner* — Marissa J Cash

(74) *Attorney, Agent, or Firm* — Egbert, McDaniel & Swartz, PLLC

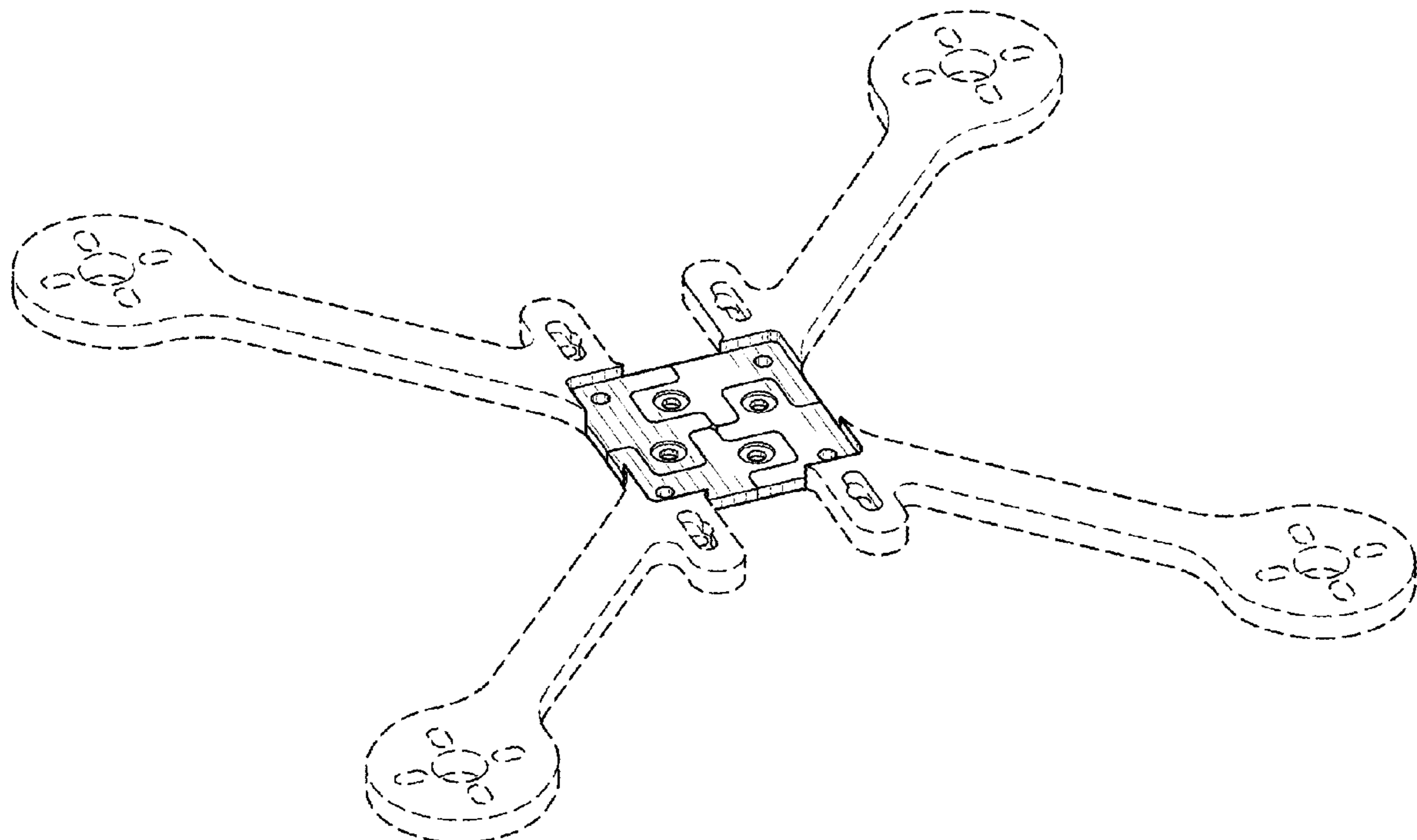
(57) **CLAIM**

The ornamental design for a drone arm assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a drone arm assembly showing my new design.  
 FIG. 2 is a top view thereof;  
 FIG. 3 is a bottom view thereof;  
 FIG. 4 is a front view thereof;  
 FIG. 5 is a rear view thereof;  
 FIG. 6 is a side view thereof;  
 FIG. 7 is an opposite side view thereof; and,  
 FIG. 8 is a top exploded view illustrating components of the drone arm assembly in a separated state.  
 The features presented in broken lines represent unclaimed portions of the drone arm assembly and form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**



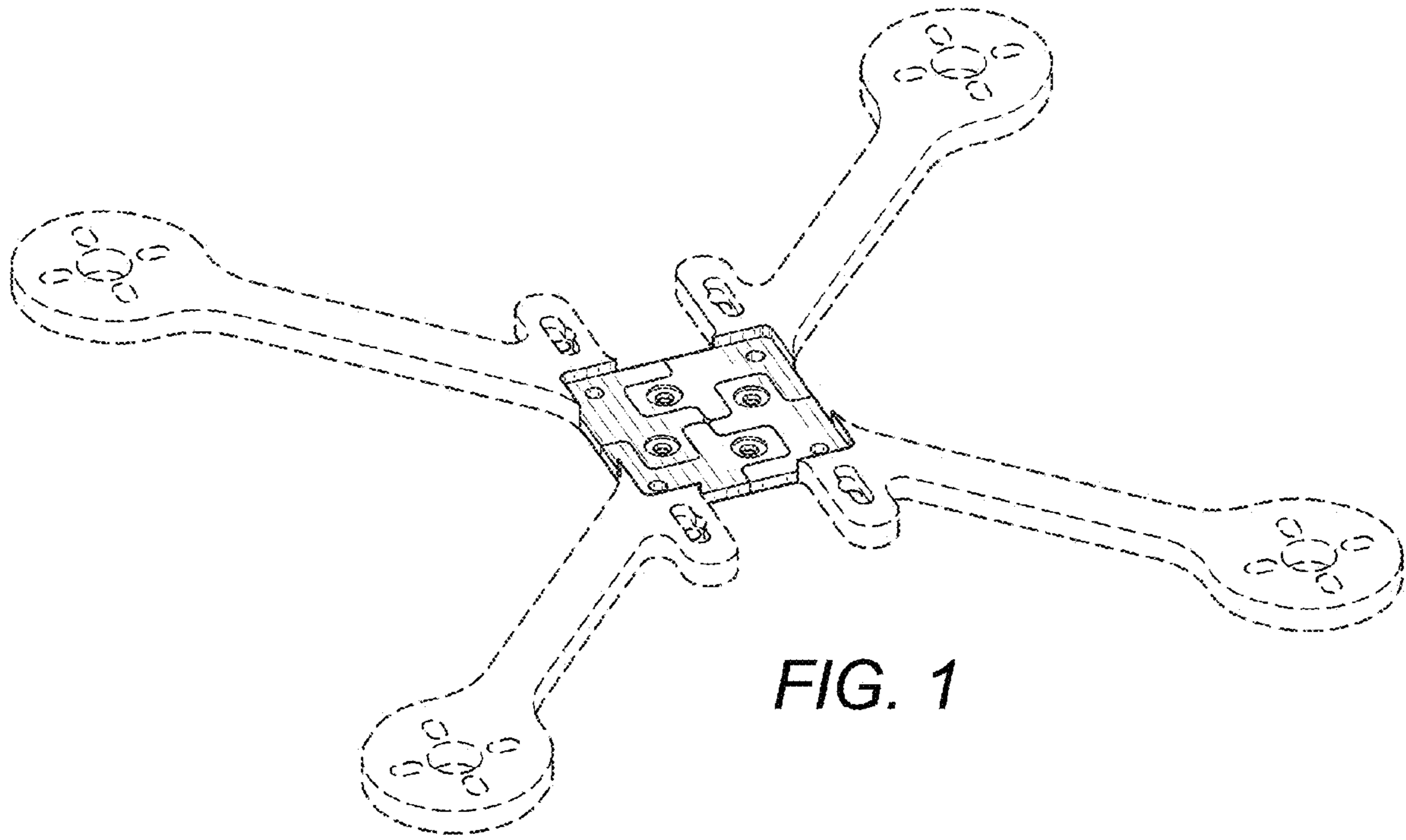


FIG. 1

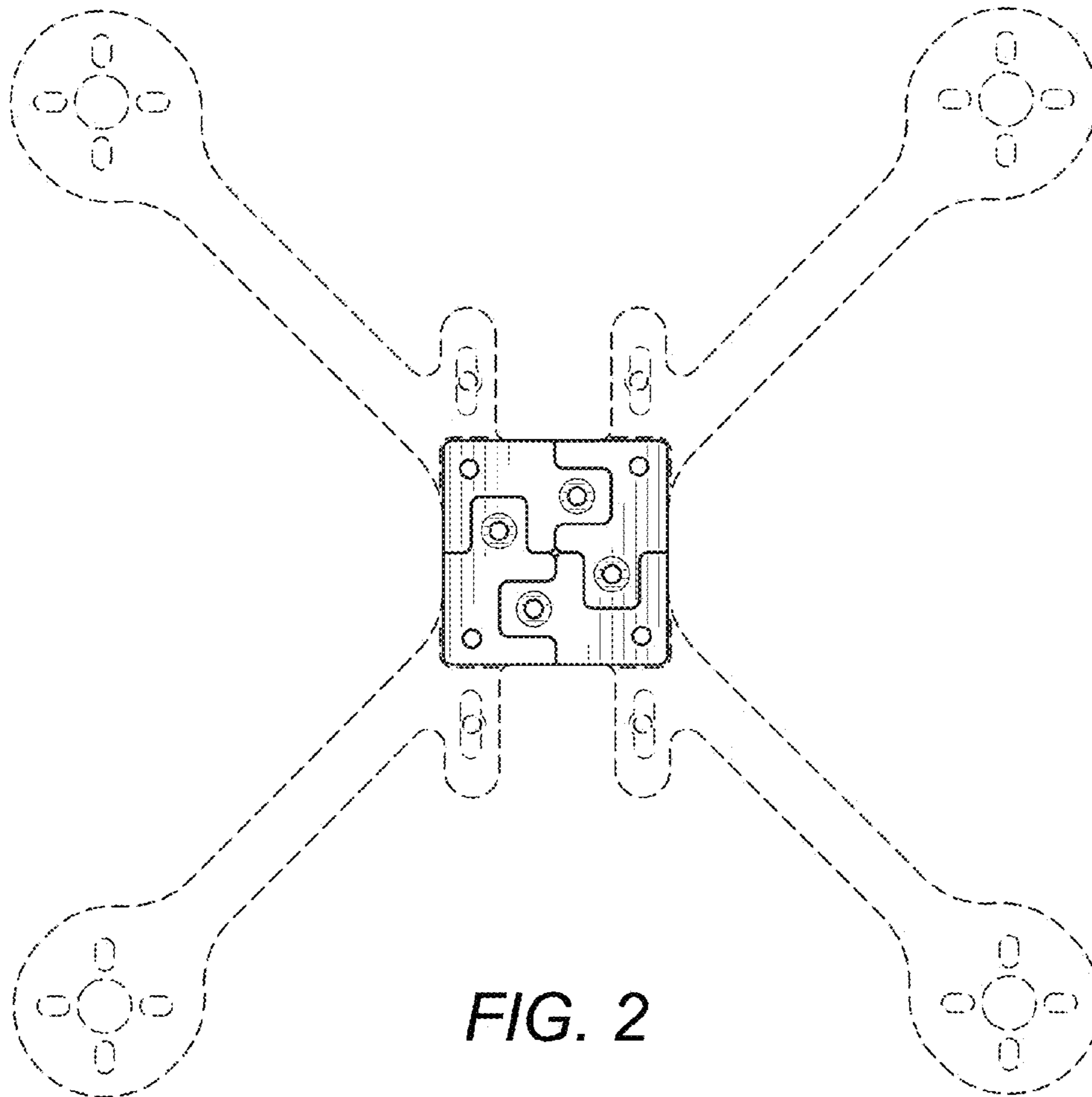


FIG. 2

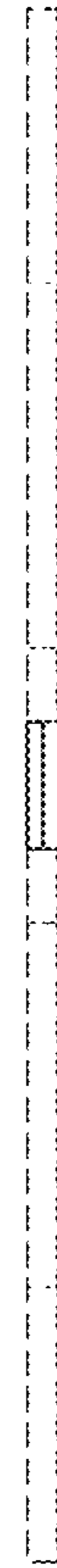
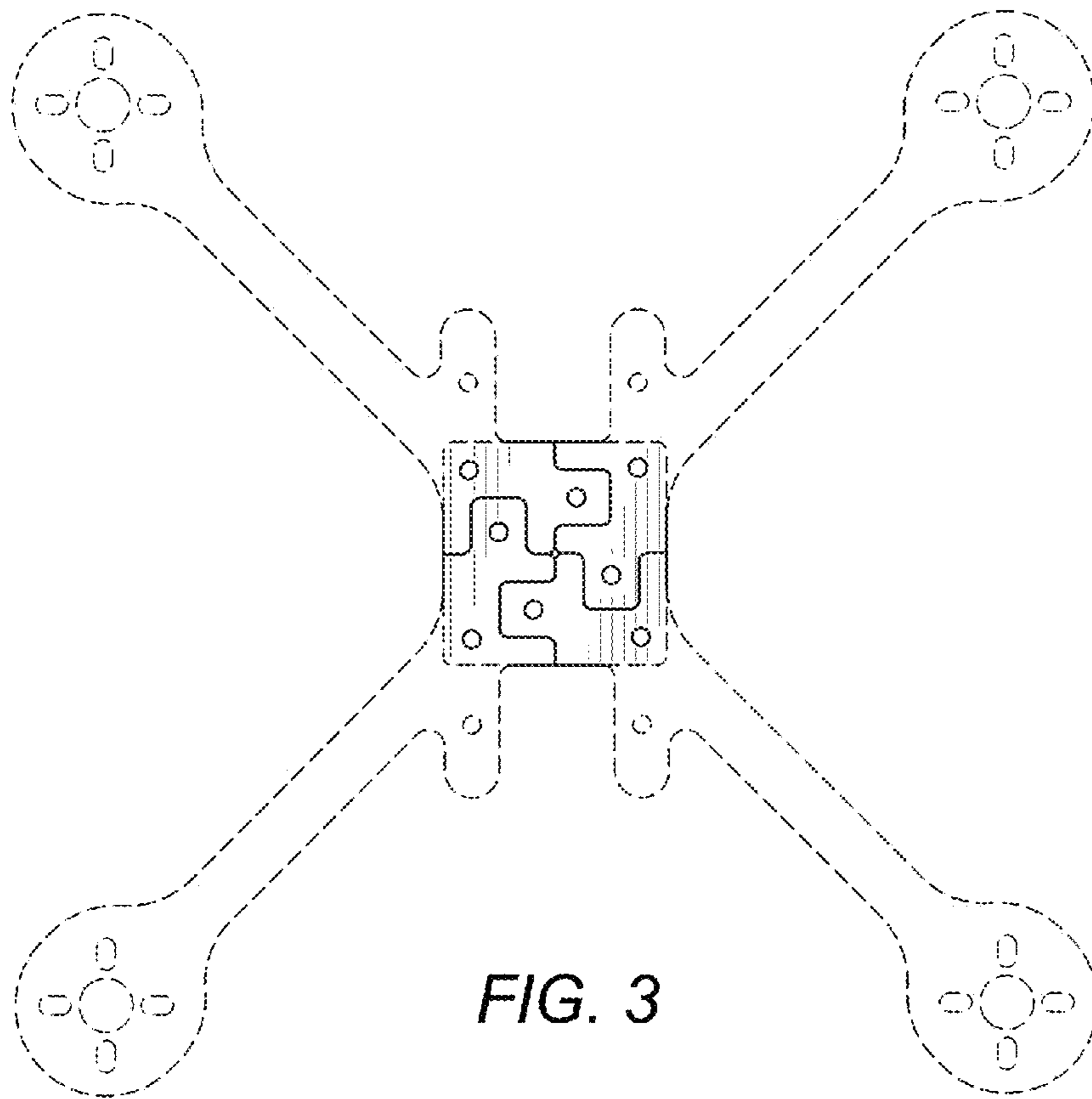
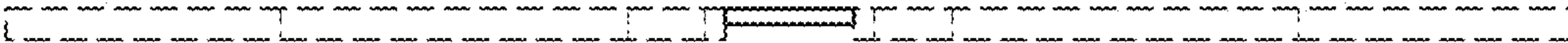


FIG. 4

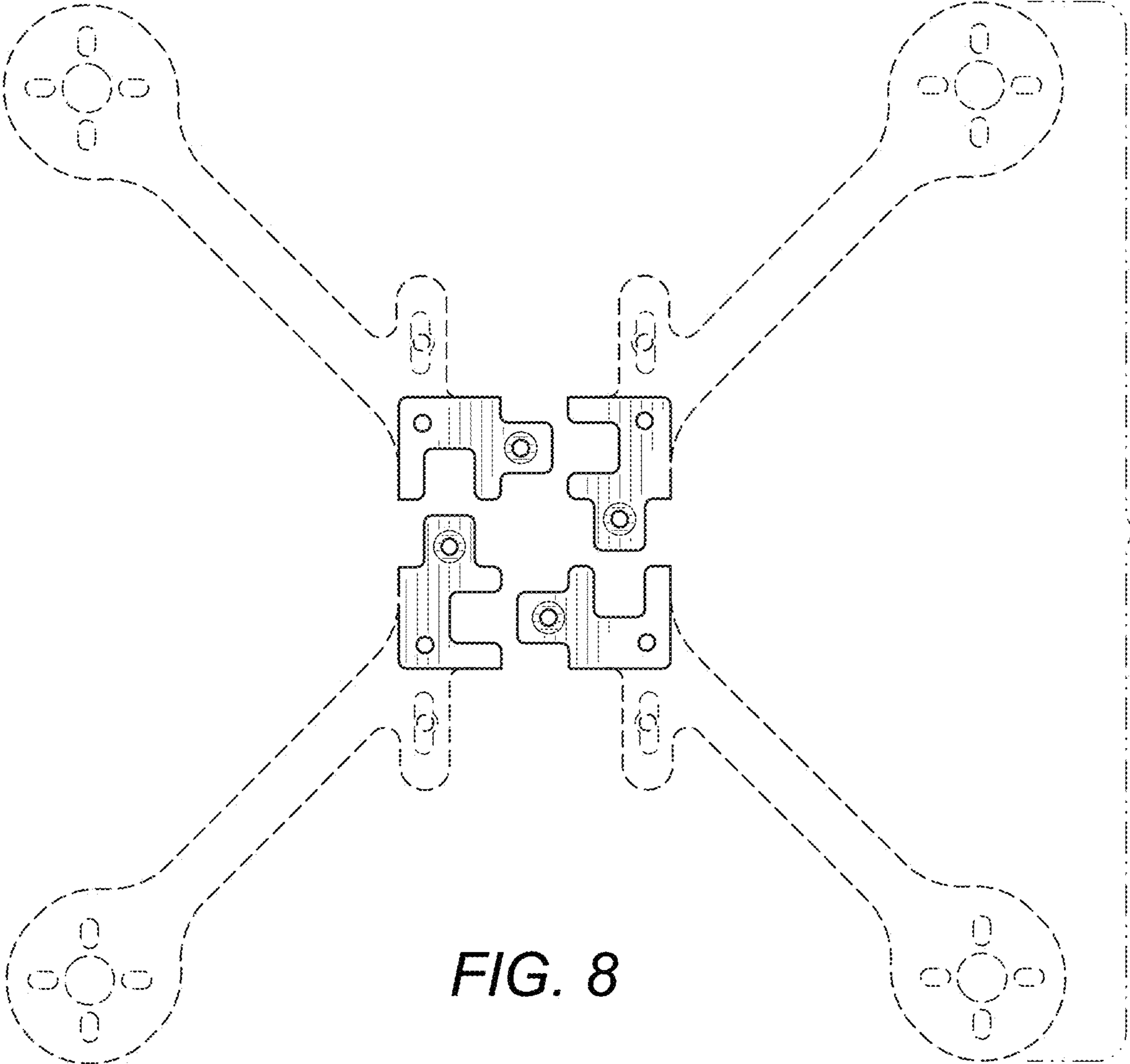
FIG. 5



**FIG. 6**



**FIG. 7**



**FIG. 8**