US00D843889S

(12) United States Design Patent

Merrill et al.

(10) Patent No.: US D843,889 S
(45) Date of Patent: ** Mar. 26, 2019

(54) **UNMANNED CARGO DELIVERY AIRCRAFT**

(71) Applicant: **Elroy Air, Inc.**, San Francisco, CA (US)

(72) Inventors: **David Merrill**, San Francisco, CA (US); **Terik Weekes**, San Francisco, CA (US); **Sean Belardo**, San Francisco, CA (US); **Colin Owen**, San Francisco, CA (US); **Clinton Cope**, San Francisco, CA (US)

(73) Assignee: **ELROY AIR, INC.**, San Francisco, CA (US)

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

(21) Appl. No.: **29/621,133**

(22) Filed: **Oct. 4, 2017**

(51) **LOC (11) Cl.** **12-07**

(52) **U.S. Cl.**
USPC **D12/16.1**

(58) **Field of Classification Search**
USPC D12/16.1, 319–345; D21/436, 438, 441, D21/442, 443, 444, 447, 448, 449, 450, D21/451, 452, 454
CPC ... B64C 29/00; B64C 2201/141; B64C 27/24; B64C 27/30; B64C 39/04
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D91,444	S	*	1/1934	Shelton	D12/335
D119,714	S	*	3/1940	Hibbard	244/13
D148,673	S	*	2/1948	Boyes	244/45 R
D163,722	S	*	6/1951	Vinje	244/2
2,752,114	A	*	6/1956	Calvy	B60J 5/125 244/118.3
D203,720	S	*	2/1966	Jarchow	D12/335
D239,522	S	*	4/1976	Wheatley	D12/335
D240,909	S	*	8/1976	Whitener	D12/335
D269,669	S	*	7/1983	Hancock	244/45 A
4,746,082	A	*	5/1988	Syms	B64D 47/08 244/118.2
D301,867	S	*	6/1989	Street	D12/339
5,145,129	A	*	9/1992	Gebhard	B64C 29/00 244/12.1
D371,105	S	*	6/1996	Graham	D12/319

(Continued)

OTHER PUBLICATIONS

Elroy Air by sUAS News. dated Dec. 29, 2017. found online [Oct. 11, 2018] https://www.suasnews.com/2017/12/elroy-air/.*

(Continued)

Primary Examiner — Marissa J Cash
(74) *Attorney, Agent, or Firm* — Martensen IP

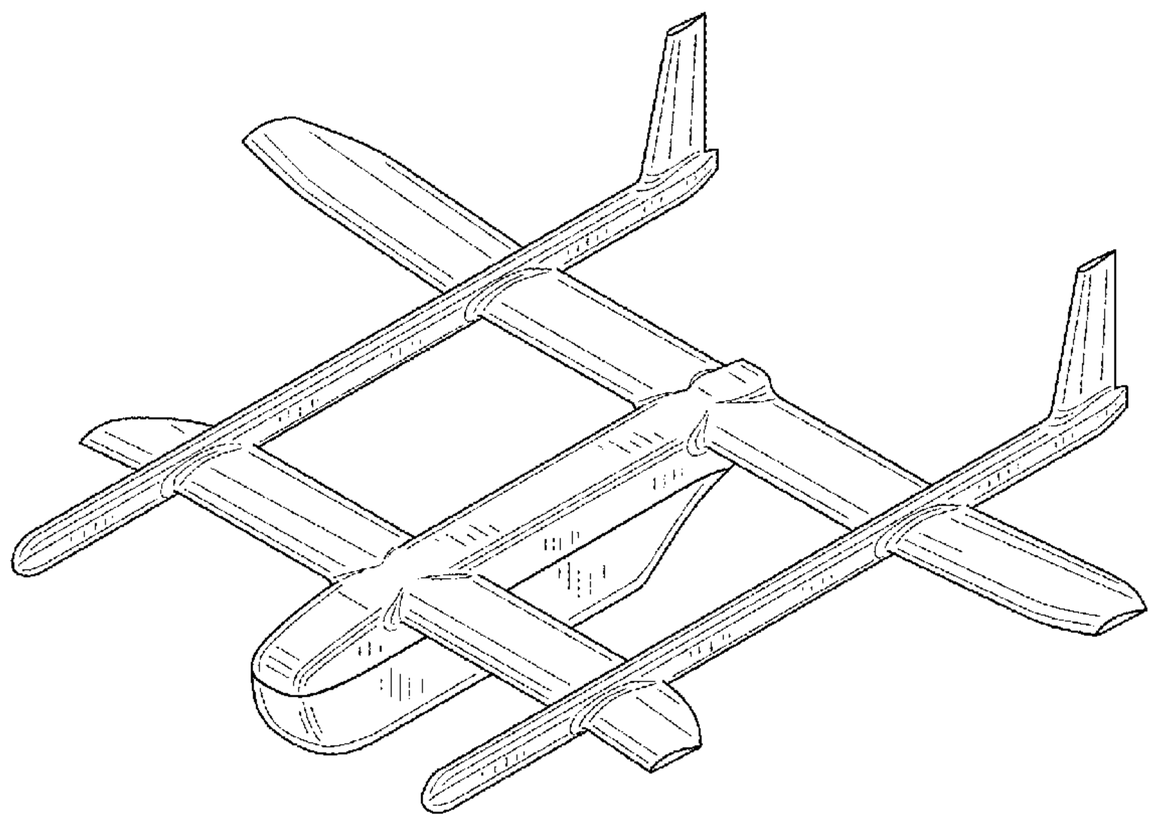
(57) **CLAIM**

The ornamental design for an unmanned cargo delivery aircraft, as shown and described.

DESCRIPTION

FIG. **1** is a front left front perspective view of the unmanned cargo delivery aircraft.
FIG. **2** is a front view of the unmanned cargo delivery aircraft.
FIG. **3** is a back view of the unmanned cargo delivery aircraft.
FIG. **4** is a view of one side of the unmanned cargo delivery aircraft.
FIG. **5** is a view of the opposite side of the unmanned cargo delivery aircraft.
FIG. **6** is a top view of the unmanned cargo delivery aircraft.
FIG. **7** is a bottom view of the unmanned cargo delivery aircraft; and,
FIG. **8** is a exploded view of one side of the unmanned cargo delivery aircraft with the cargo component detached.

1 Claim, 6 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D396,842	S *	8/1998	Jones	D12/333
D461,159	S *	8/2002	Miralles	D12/319
D500,729	S *	1/2005	Wilding	D12/319
D500,981	S *	1/2005	Wilding	D12/319
6,969,026	B2 *	11/2005	Kayama	B64C 27/24 244/117 R
D543,248	S *	5/2007	Winston	D21/450
D678,169	S *	3/2013	Kennelly	D12/319
D734,402	S *	7/2015	Reznik	D12/16.1
D736,140	S *	8/2015	Moller	D12/326
D800,843	S *	10/2017	Sartorius	D21/447
D808,328	S *	1/2018	Ivans	D12/328
9,884,682	B2 *	2/2018	Stuckl	B64C 3/10
D816,547	S *	5/2018	Cui	D12/16.1
D816,583	S *	5/2018	Dutertre	D12/328
D822,579	S *	7/2018	Lienhard	D12/328
D824,804	S *	8/2018	Tian	D12/16.1
10,081,436	B1 *	9/2018	Tian	B64D 31/00
2013/0020429	A1 *	1/2013	Kroo	B64C 3/16 244/6
2013/0206921	A1 *	8/2013	Paduano	B64C 13/16 244/7 C
2017/0300065	A1 *	10/2017	Douglas	G05D 1/0676
2018/0072398	A1 *	3/2018	Sartorius	B64C 1/26
2018/0086458	A1 *	3/2018	Sartorius	B64C 39/024

OTHER PUBLICATIONS

Elroy Air enable autonomous air transport anywhere by Elroy Air. dated 2018. found online [Oct. 11, 2018] http://www.elroyair.com/.*

* cited by examiner

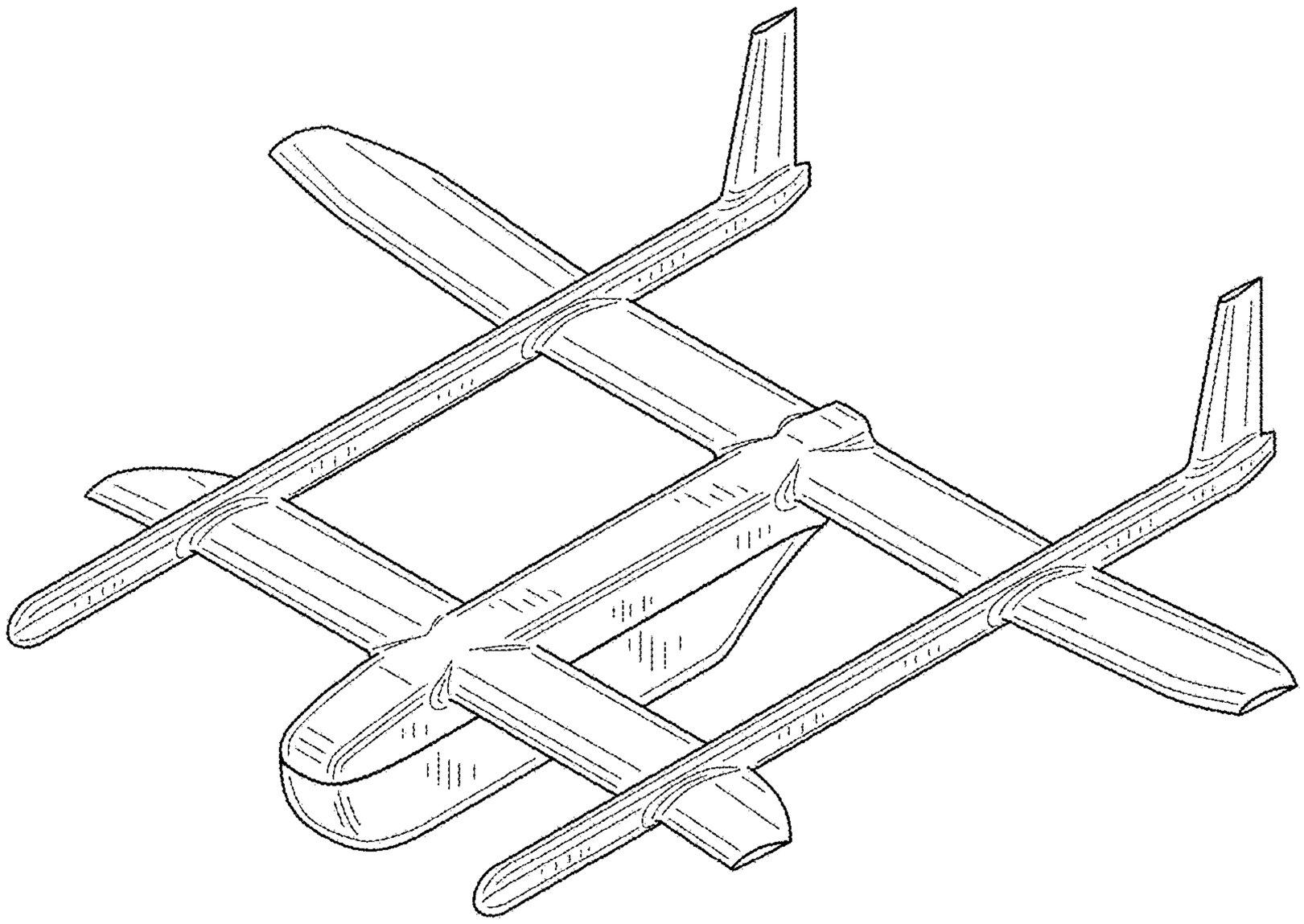


FIG.1

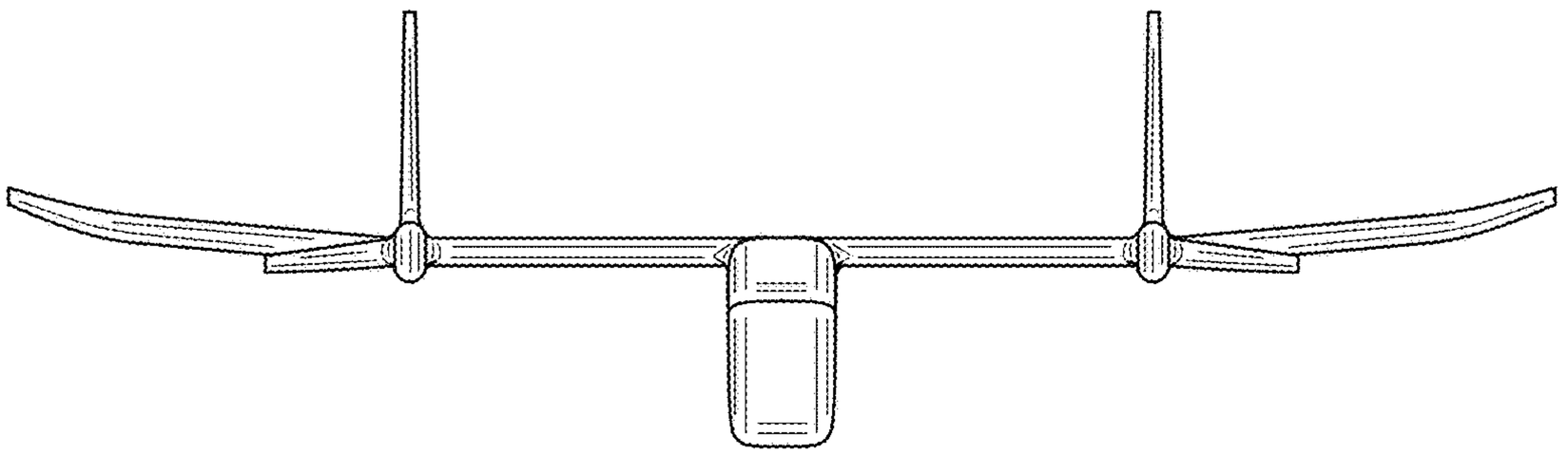


FIG.2

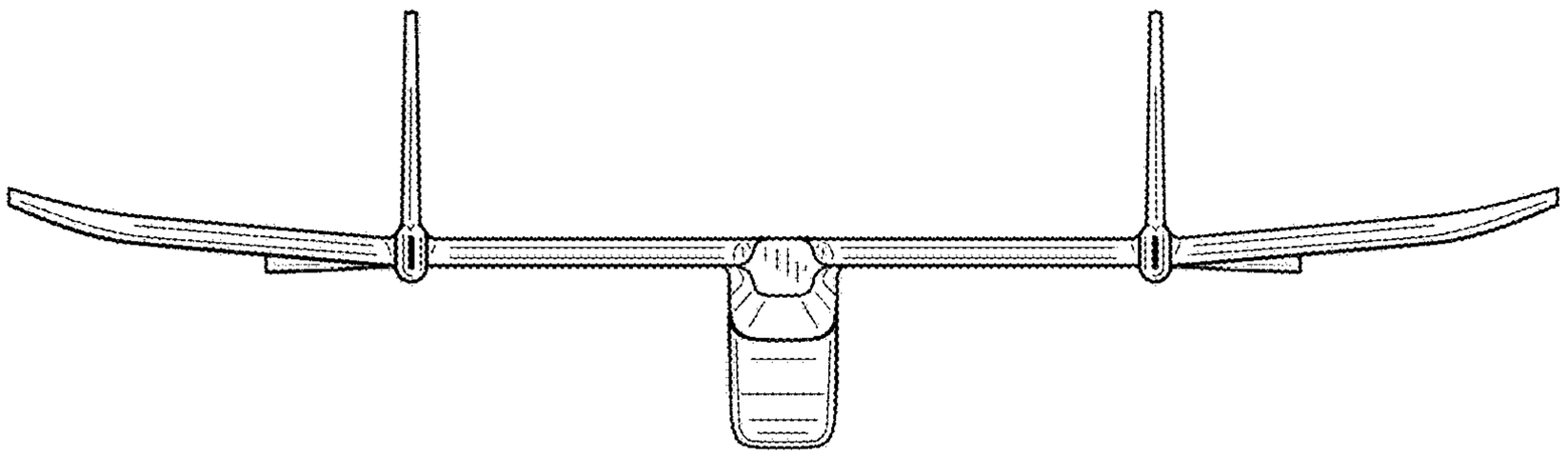


FIG.3

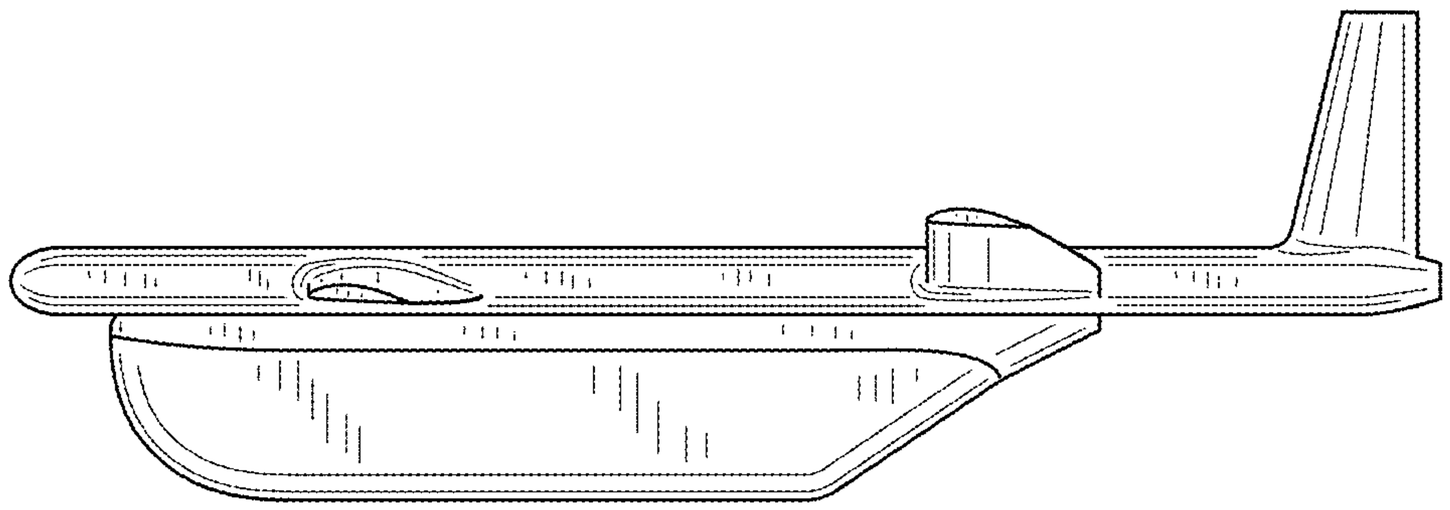


FIG.4

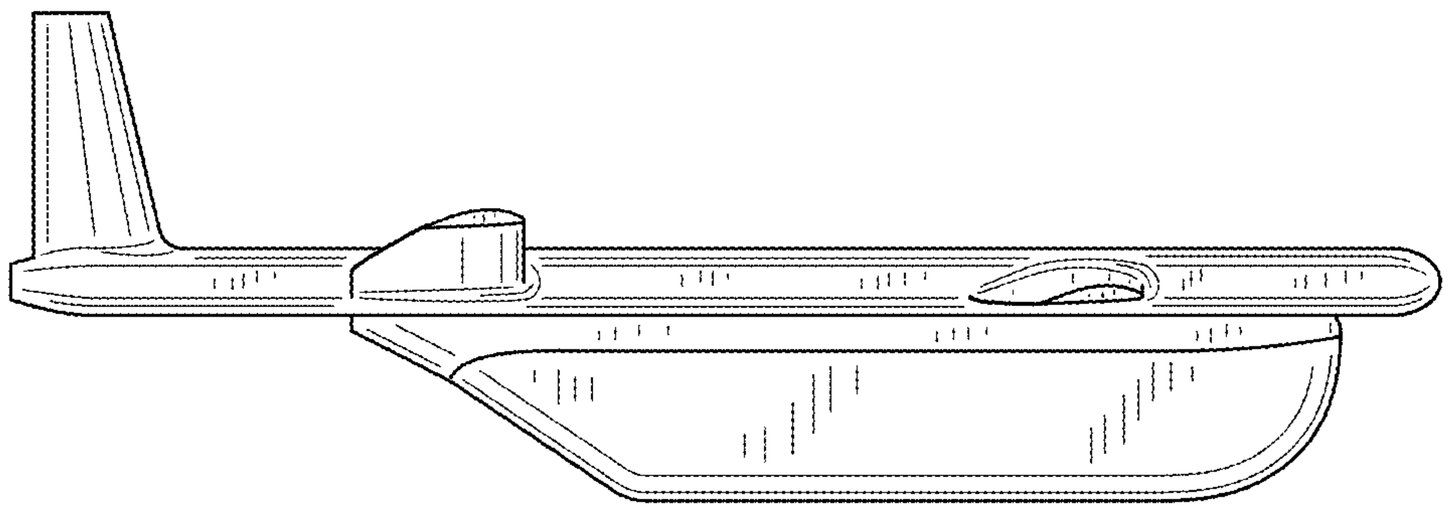


FIG.5

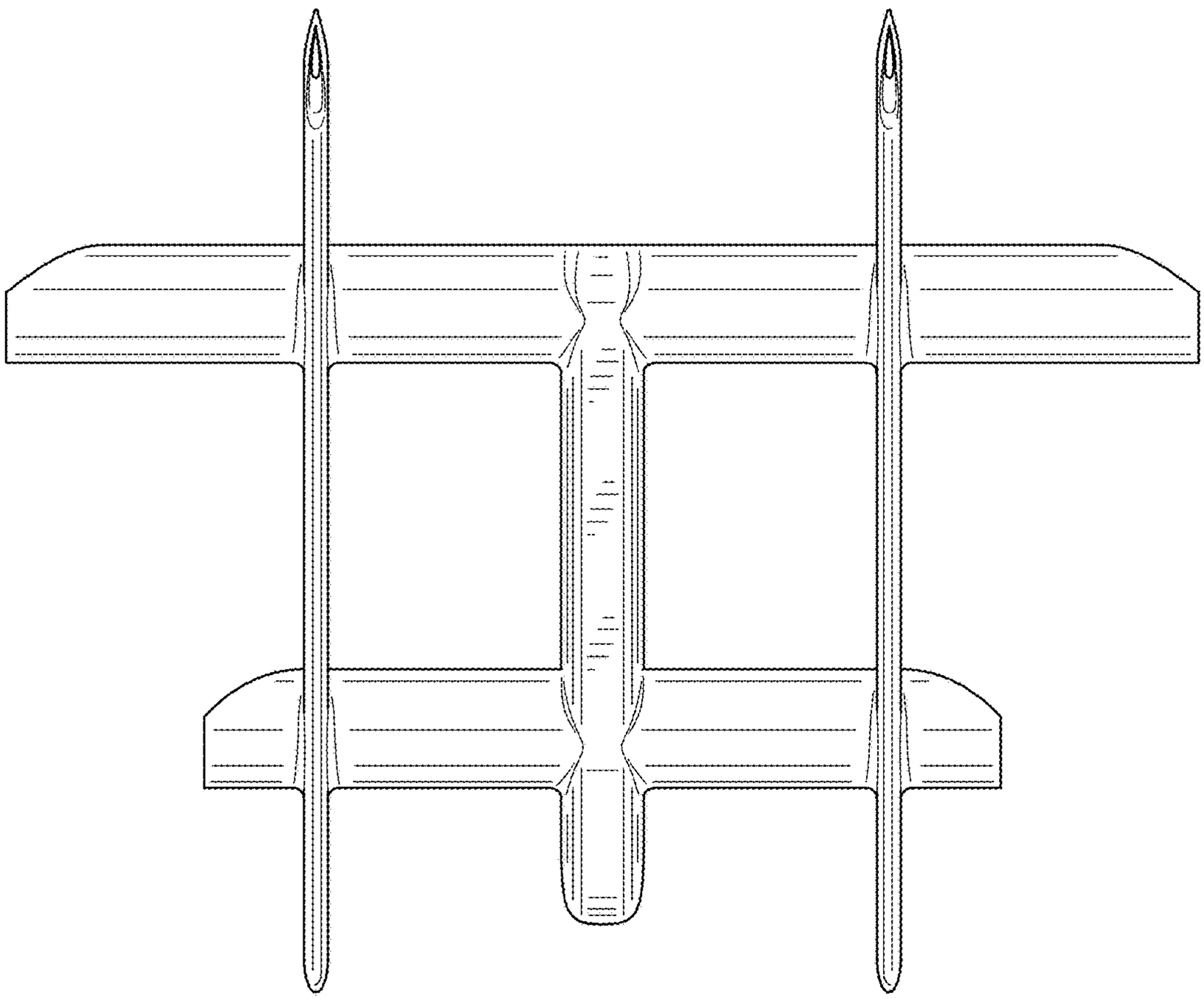


FIG.6

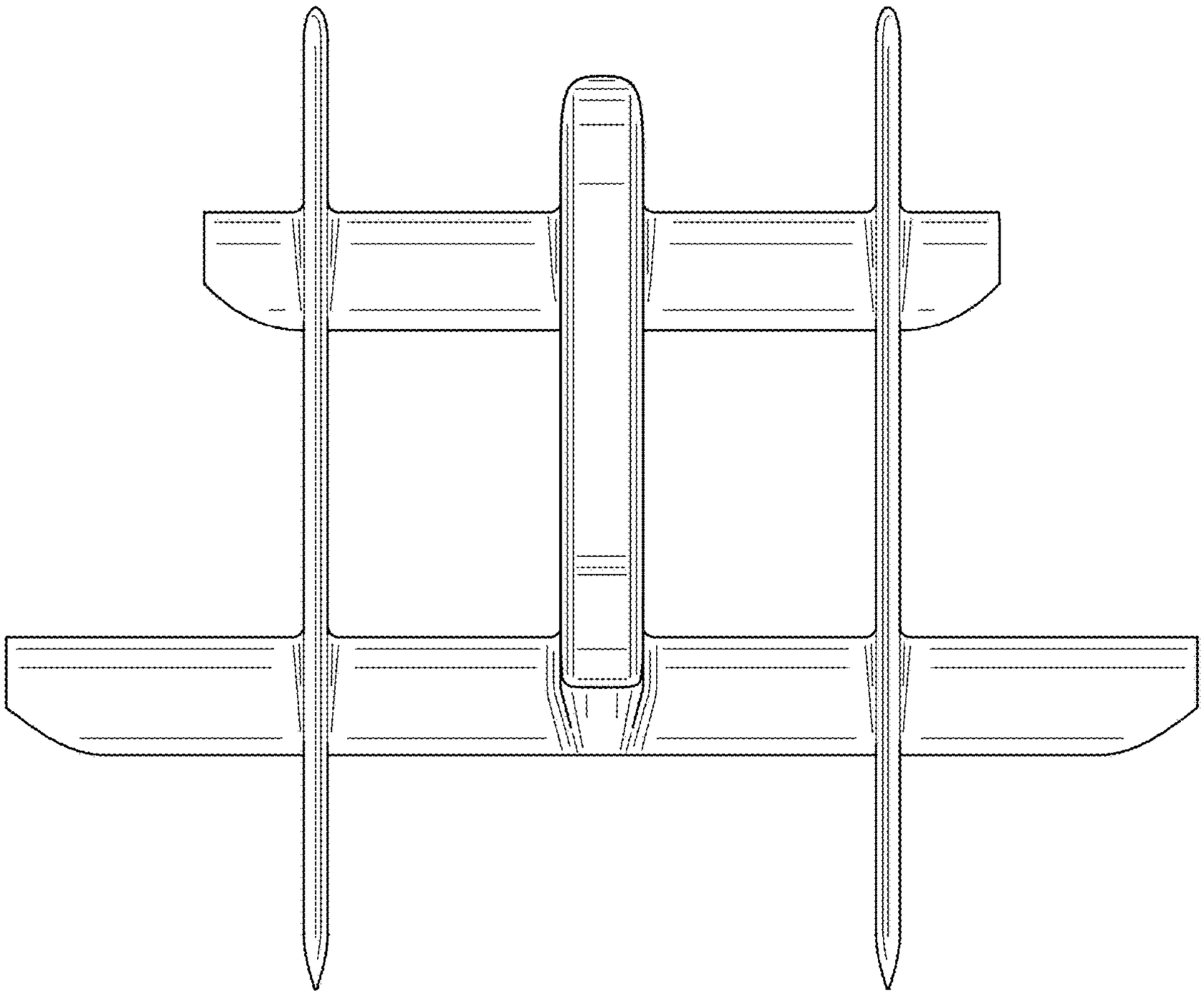


FIG.7

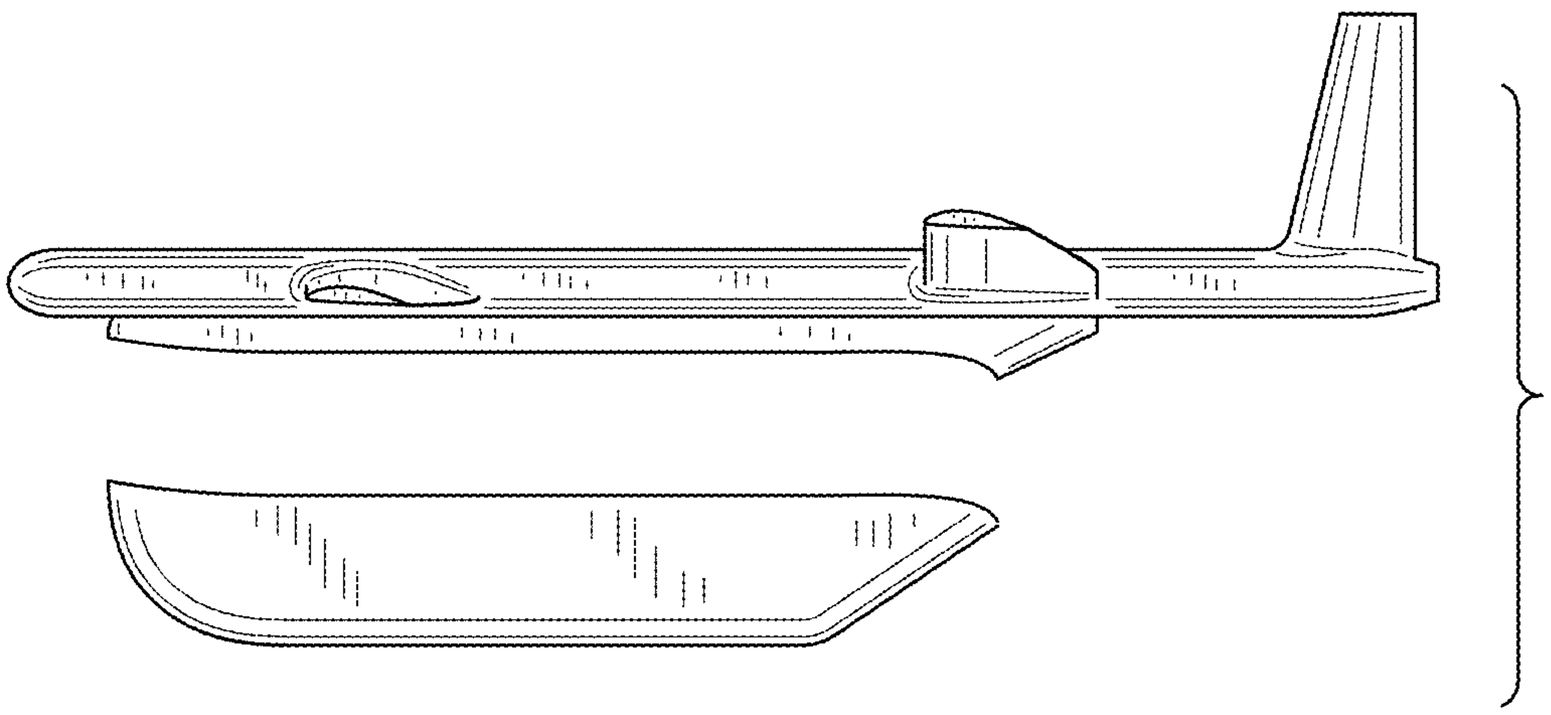


FIG.8