

US00D969671S

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

(10) **Patent No.:** **US D969,671 S**

(45) **Date of Patent:** **\*\* Nov. 15, 2022**

(54) **DELIVERY DRONE**

(71) Applicant: **Matteo Trapani**, Zurich (CH)

(72) Inventor: **Matteo Trapani**, Zurich (CH)

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

(21) Appl. No.: **35/510,701**

(22) Filed: **Oct. 4, 2020**

(80) **Hague Agreement Data**

Int. Filing Date: **Oct. 4, 2020**

Int. Reg. No.: **DM/211008**

Int. Reg. Date: **Oct. 4, 2020**

Int. Reg. Pub. Date: **Nov. 6, 2020**

(51) **LOC (13) Cl.** ..... **12-06**

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

(58) **Field of Classification Search**  
USPC ..... D12/16.1, 19, 322, 323, 326, 327, 328,  
D12/329, 330, 339, 341, 342, 343, 344;  
D21/436, 438, 439, 440, 441, 446, 447,  
D21/448, 449, 450, 453  
CPC ..... B64C 5/06; B64C 29/00; B64C 30/00;  
B64C 39/00; B64C 39/024  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D235,769 S *	7/1975	Sather .....	D12/16.1
D277,976 S *	3/1985	Holloway .....	D12/16.1
D706,678 S *	6/2014	Earon .....	D12/16.1
D763,733 S *	8/2016	Gattelli .....	D12/16.1
D783,453 S *	4/2017	Klick .....	D12/16.1
D787,983 S *	5/2017	Fargeau .....	D12/16.1
9,840,323 B1 *	12/2017	Kaiser .....	B64D 35/06
D810,621 S *	2/2018	Sadek .....	D12/16.1
D824,804 S *	8/2018	Tian .....	D12/16.1

D832,141 S *	10/2018	Ferner .....	D12/16.1
10,179,647 B1 *	1/2019	Meugnier .....	H05K 7/1417
D843,306 S *	3/2019	Tzarnotzky .....	D12/329
D843,919 S *	3/2019	Tzarnotzky .....	D12/329
D866,394 S *	11/2019	Shih .....	D12/16.1
D872,681 S *	1/2020	Tzarnotzky .....	D12/329
D873,200 S *	1/2020	Langford, III .....	D12/319
D873,202 S *	1/2020	Tzarnotzky .....	D12/329
D876,988 S *	3/2020	Stepura .....	D12/16.1

(Continued)

*Primary Examiner* — Darlington Ly

(57) **CLAIM**

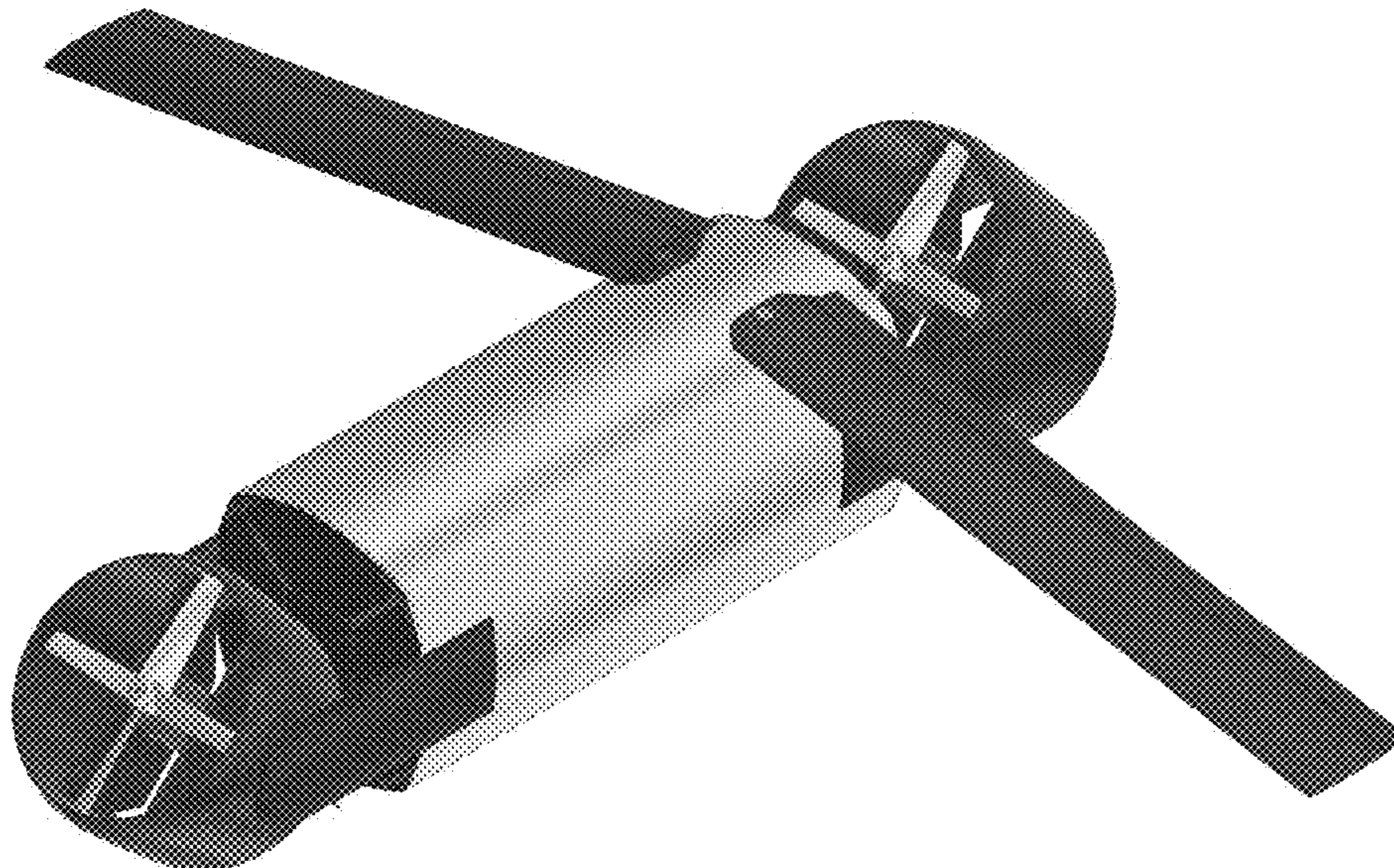
The ornamental design for a delivery drone, as shown and described.

**DESCRIPTION**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the Office upon request and payment of the necessary fee.

- 1.-4. Delivery drone
  - 2.1 is a perspective view of a delivery drone embodying my new design;
  - 2.2 is a perspective view thereof with the wings in a folded;
  - 2.3 is a top and left side perspective view thereof with the wings folded;
  - 2.4 is a left side elevation view thereof with the wings folded;
  - 2.5 is a perspective view thereof with the wings partially folded; and
  - 2.6 is a top plan view thereof with the wings partially folded.
- Unmanned vertical take-off and landing deliver drone, equipped with foldable wings and tilting/rotating propulsion units, located in front and behind the main fuselage body. When rear propulsion unit case/fairing is aligned with the fuselage body (un-tilted), the drone may be stood upright as shown in reproduction 2.3.

**1 Claim, 6 Drawing Sheets**  
**(6 of 6 Drawing Sheet(s) Filed in Color)**



(56)

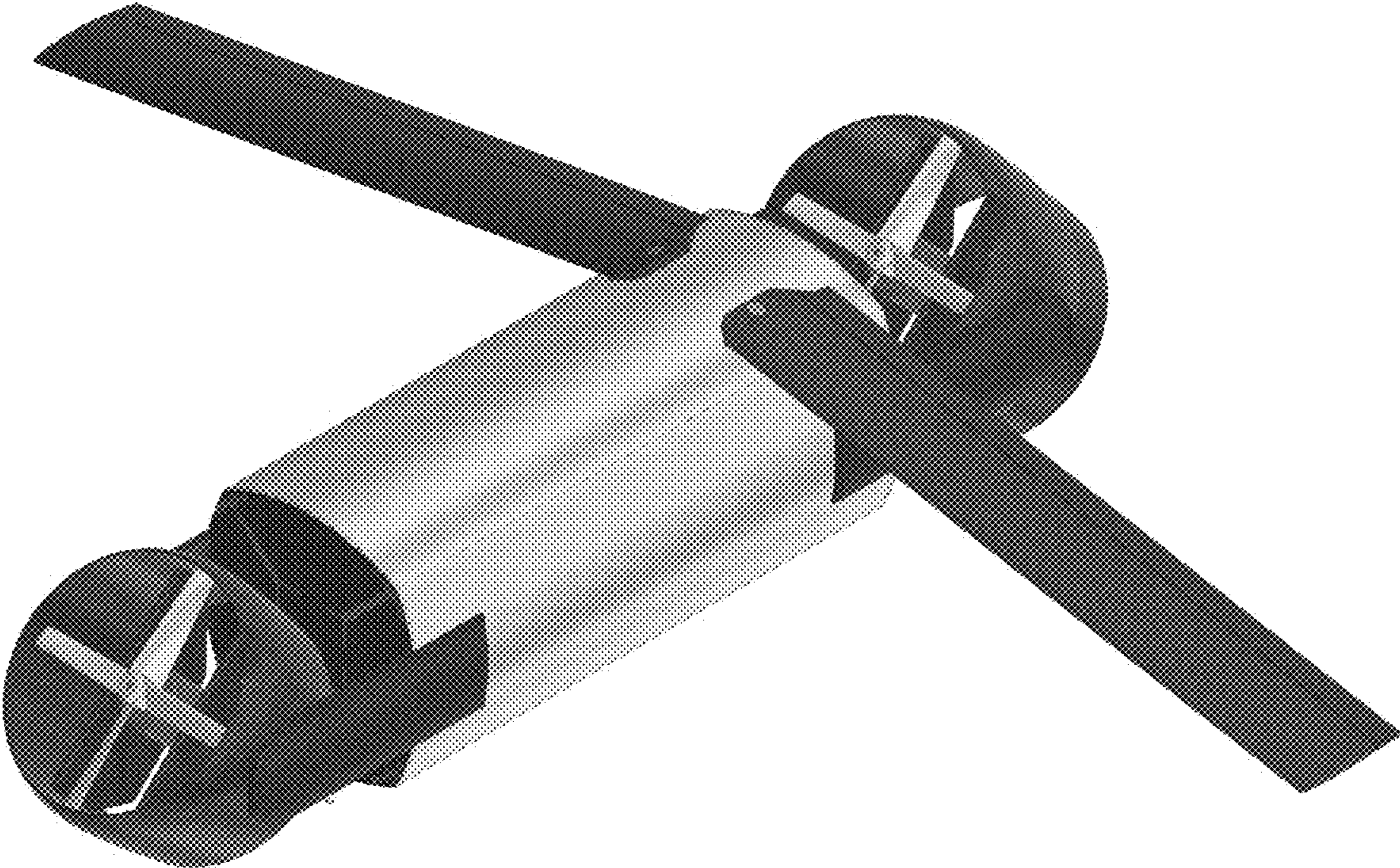
**References Cited**

U.S. PATENT DOCUMENTS

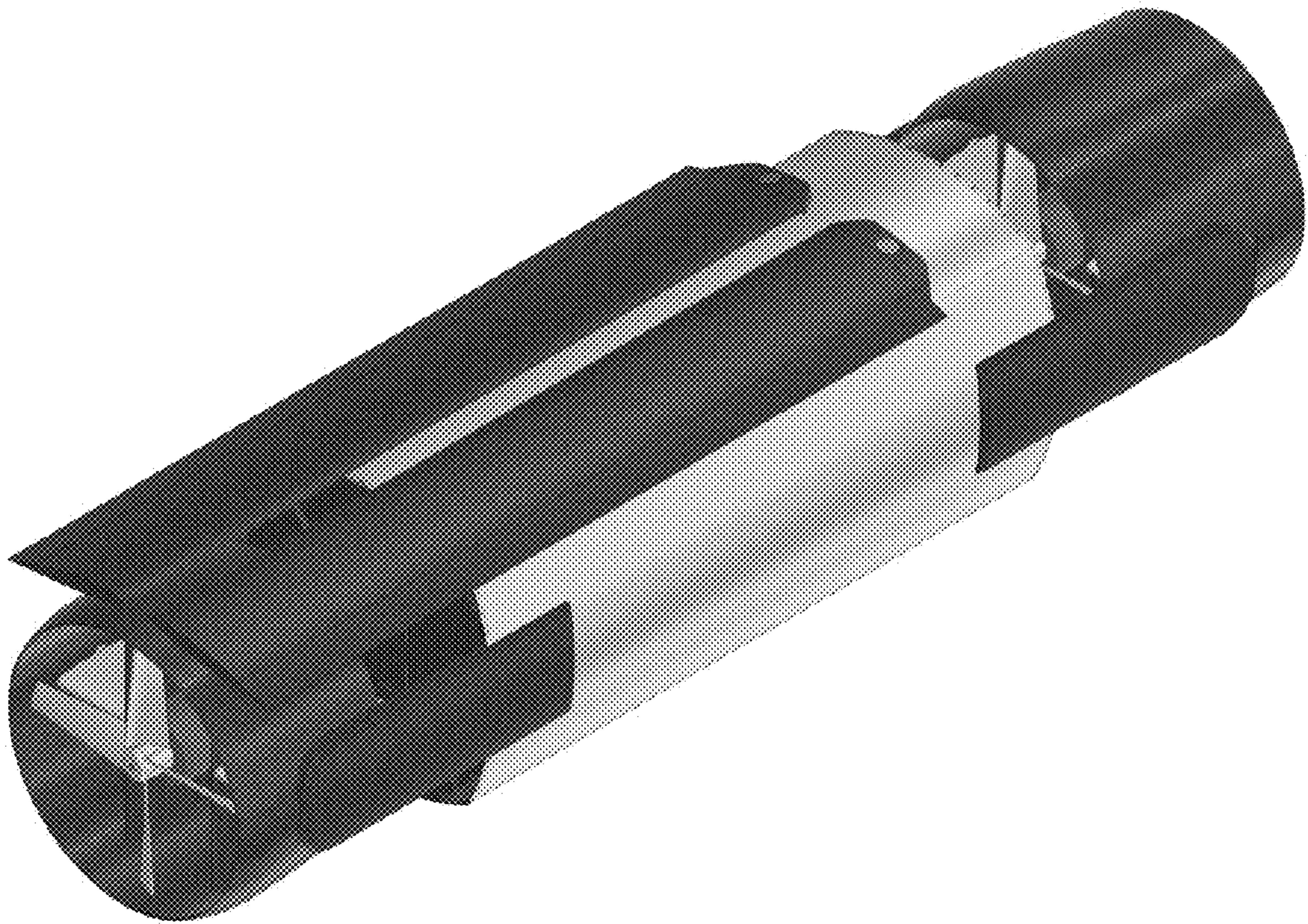
D899,302 S \* 10/2020 Holgate ..... D12/16.1  
D908,625 S \* 1/2021 Forrette ..... D13/115  
D909,278 S \* 2/2021 Williams ..... D12/326  
D914,171 S \* 3/2021 Melo ..... D23/326  
2014/0332620 A1\* 11/2014 Earon ..... B64D 47/08  
244/13  
2017/0349281 A1\* 12/2017 Quinlan ..... B64D 5/00

\* cited by examiner

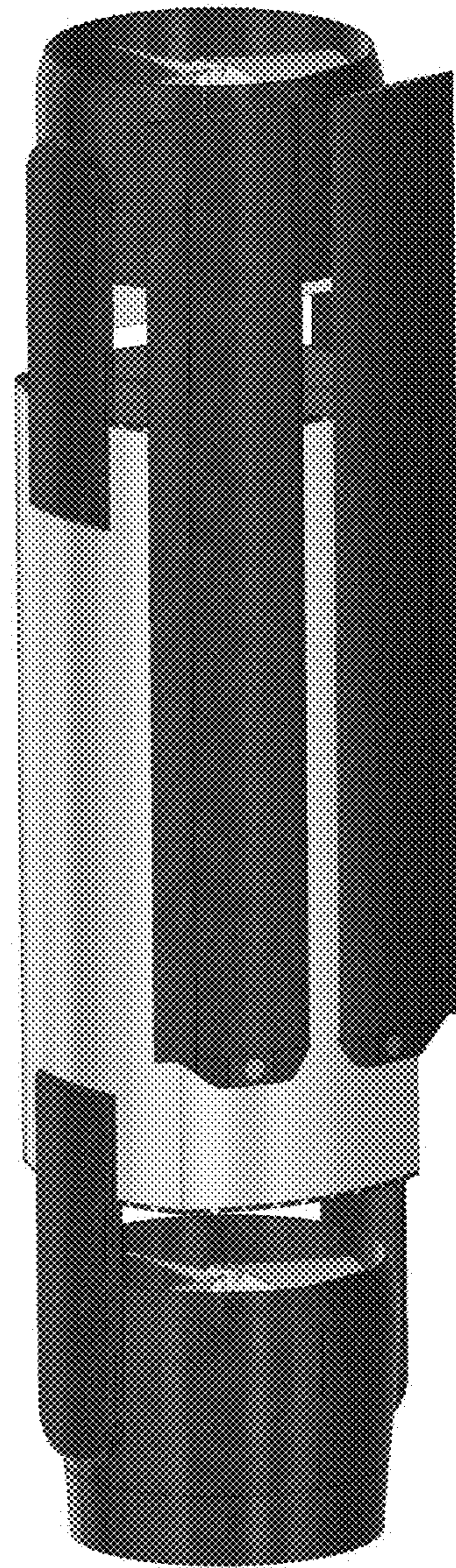
2.1



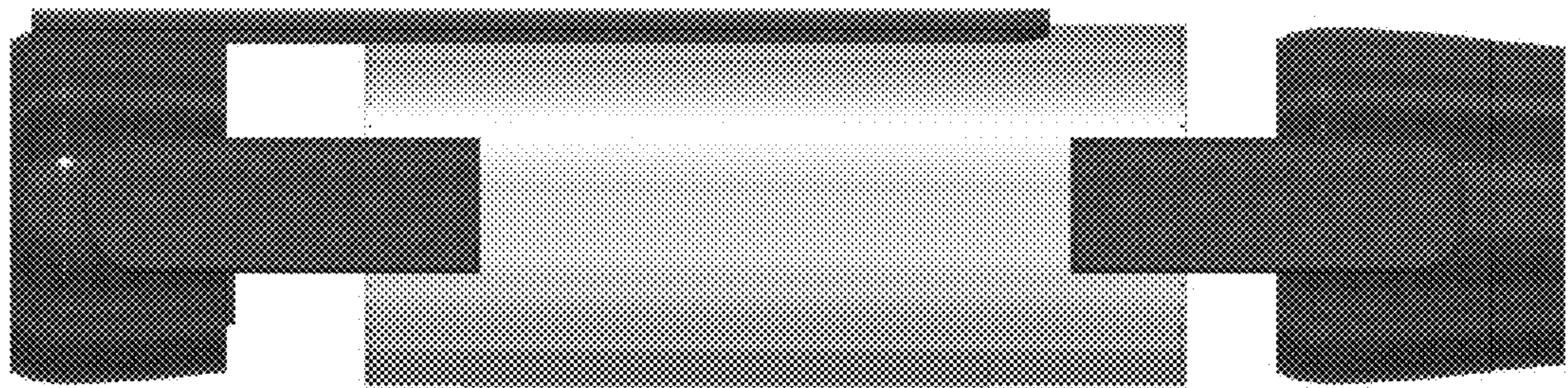
2.2



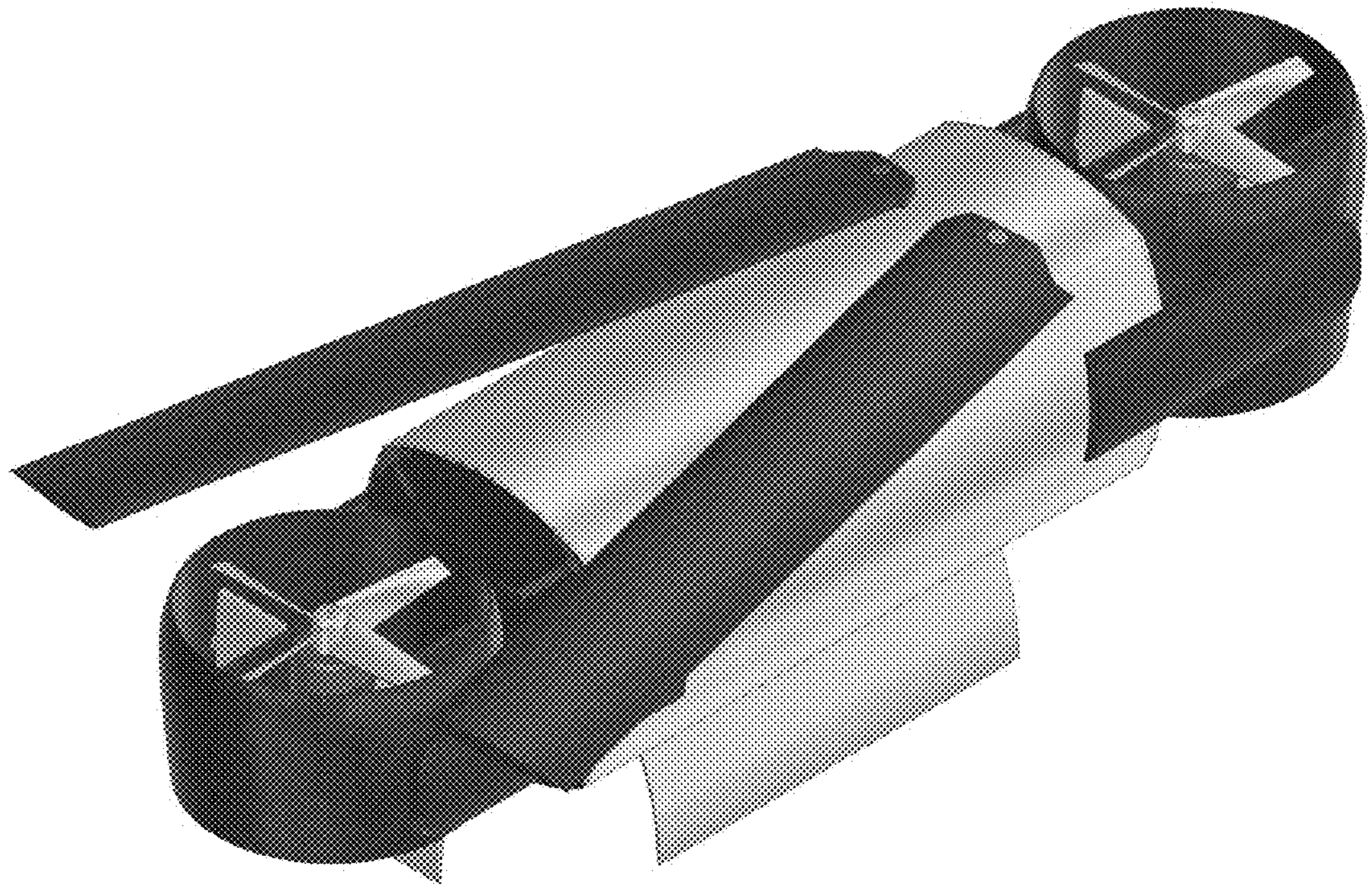
2.3



2.4



2.5



2.6

