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(12) **United States Design Patent** (10) **Patent No.:** **US D920,444 S**  
**Wang et al.** (45) **Date of Patent:** **\*\* \*May 25, 2021**

(54) **CONTROLLER**

D573,204 S 7/2008 Arai et al.  
D594,071 S 6/2009 Jinno  
D636,825 S 4/2011 Tanaka et al.  
(Continued)

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FOREIGN PATENT DOCUMENTS

CN 301901653 S 5/2012  
CN 302882005 S 7/2014  
(Continued)

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(\*) Notice: This patent is subject to a terminal disclaimer.

OTHER PUBLICATIONS

JD510 Controller; prior to Apr. 7, 2017; 1pg.; [https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd\\_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzG0-7n\\_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs\\_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0....1..gws-wiz-img](https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzG0-7n_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0....1..gws-wiz-img).

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

(21) Appl. No.: **29/716,858**

(22) Filed: **Dec. 12, 2019**

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**Related U.S. Application Data**

(63) Continuation of application No. 29/647,988, filed on May 17, 2018, now Pat. No. Des. 870,825, which is a continuation of application No. 29/599,975, filed on Apr. 7, 2017, now Pat. No. Des. 821,506.

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(51) **LOC (13) Cl.** ..... **21-01**

(52) **U.S. Cl.**  
USPC ..... **D21/566**

(57) **CLAIM**

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

(58) **Field of Classification Search**  
USPC ..... D13/168; D14/195, 218; D21/333, 561, D21/566; D12/174, 345  
CPC ..... A63F 13/06; A63H 30/04; G08C 17/02; G08C 23/04

**DESCRIPTION**

FIG. 1 is a top front perspective view of a controller showing the claimed design;  
FIG. 2 is a bottom rear perspective view thereof;  
FIG. 3 is a front view thereof;  
FIG. 4 is a rear view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a top view thereof; and,  
FIG. 8 is a bottom view thereof.  
The dashed broken lines in the figures show portions of the controller that form no part of the claimed design.

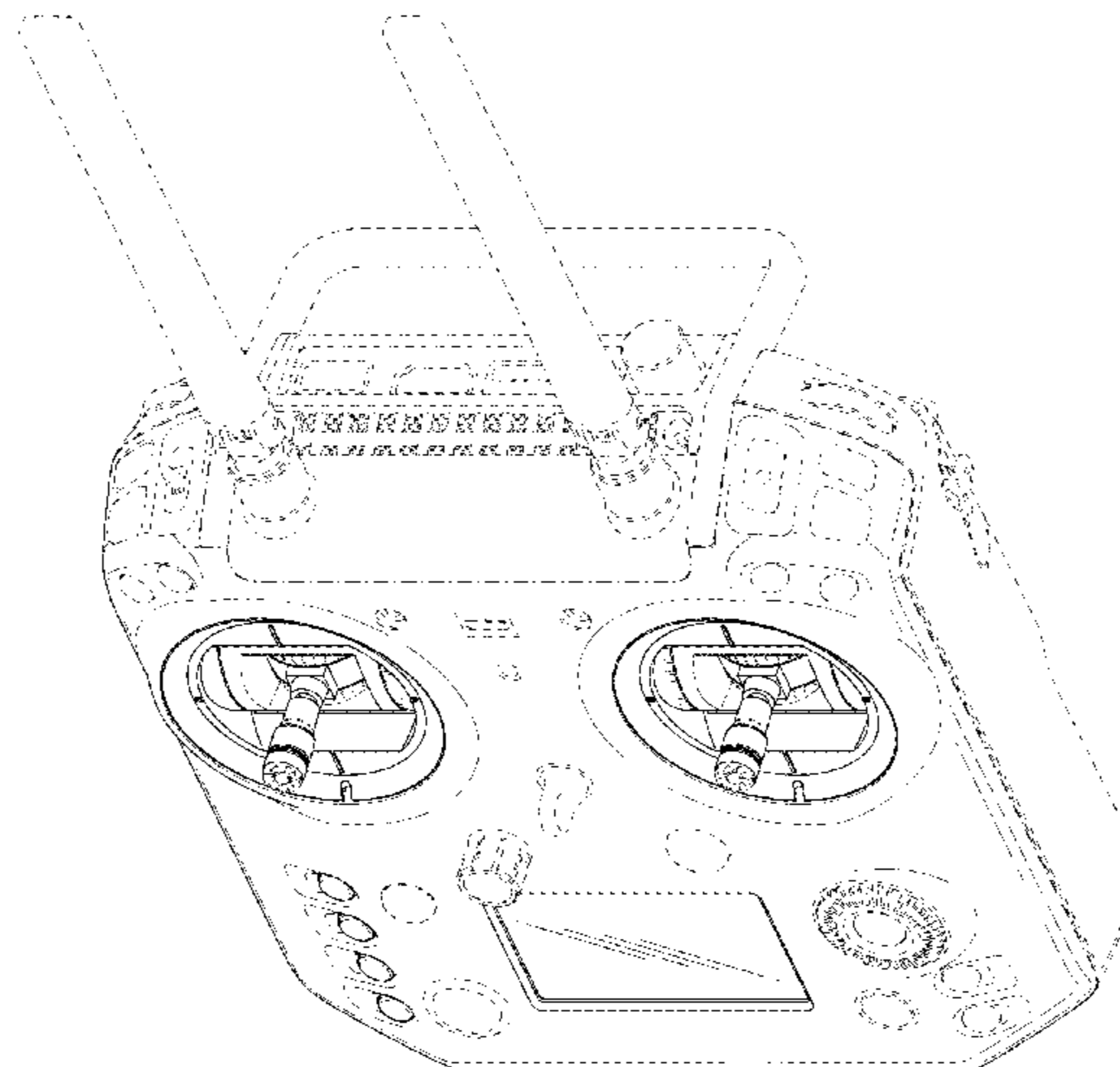
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D344,553 S 2/1994 Arai  
5,525,972 A 6/1996 Inokoshi  
D471,603 S 3/2003 Morita et al.  
D517,129 S 3/2006 Yamamoto et al.  
D521,573 S 5/2006 Jinno et al.  
7,250,844 B2 7/2007 Arai et al.

(Continued)



The dot-dash broken lines in the figures show boundaries that form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**

JP	D1349316	1/2009
JP	D1409868	3/2011
JP	D1416344	6/2011
JP	D1424309	10/2011
JP	D1438668	4/2012
KR	30-0541691	10/2009

(56)

**References Cited**

U.S. PATENT DOCUMENTS

D650,021	S	12/2011	Suzuki et al.	
8,075,364	B2	12/2011	Wai et al.	
D670,768	S	11/2012	Isono et al.	
D740,708	S	10/2015	Pecorari	
D749,527	S	2/2016	Li	
D780,269	S	2/2017	Isono et al.	
D794,135	S	8/2017	Snyder et al.	
9,829,909	B2	11/2017	Yamaguchi et al.	
9,855,512	B1	1/2018	Wong	
D821,506	S *	6/2018	Wang .....	D21/566
D870,825	S *	12/2019	Wang .....	D21/566
2014/0111317	A1	4/2014	Shen	
2016/0124458	A1	5/2016	Yamaguchi et al.	
2018/0067514	A1	3/2018	Snyder	
2018/0095492	A1	4/2018	Matloff	

FOREIGN PATENT DOCUMENTS

CN	303239531	S	6/2015
JP	D1279865		8/2006

OTHER PUBLICATIONS

Holy Stone HS110 Drone Controller; prior to Apr. 7, 2017; 1 pg.; [https://www.google.com/search?q=drone+controller&hl=en&biw=1536&bih=813&source=ln&tbs=cdr%3A1%2Ccd\\_min%3A%2Ccd\\_max%3A4%2F17%2F2017&tbm=isch#imgrc=NjKmGVIVy6EDM:&spf=1562014243282](https://www.google.com/search?q=drone+controller&hl=en&biw=1536&bih=813&source=ln&tbs=cdr%3A1%2Ccd_min%3A%2Ccd_max%3A4%2F17%2F2017&tbm=isch#imgrc=NjKmGVIVy6EDM:&spf=1562014243282).

3DR Drone Controller; prior to Apr. 7, 2017; 1 pg.; [https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd\\_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzGO-7n\\_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs\\_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0....1..gws-wiz-img.HK8S5ie](https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzGO-7n_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0....1..gws-wiz-img.HK8S5ie).

Drone Controller, Circa-2011, OSCR prototype; prior to Apr. 7, 2017; 1pg.; [https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd\\_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzGO-7n\\_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs\\_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0](https://www.google.com/search?hl=en&biw=1536&bih=813&tbs=cdr%3A1%2Ccd_max%3A4%2F7%2F2017&tbm=isch&sa=1&ei=KecTXdzGO-7n_QazirHADQ&q+=drone+controller&oq+=drone+controller&gs_l=img.12..0i67j018.111387.111387..112866...0.0..0.57.57.1.....0).

\* cited by examiner

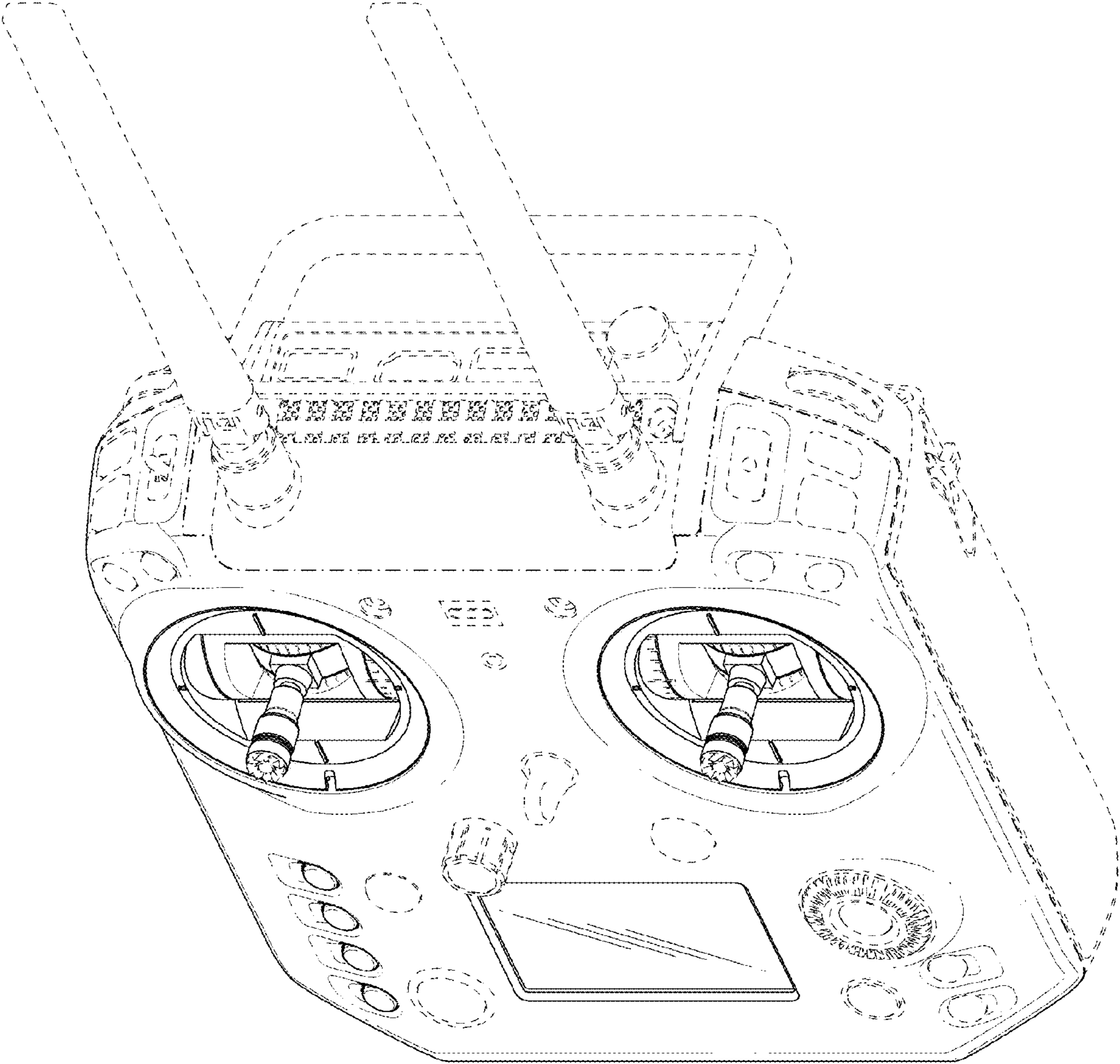


FIG. 1

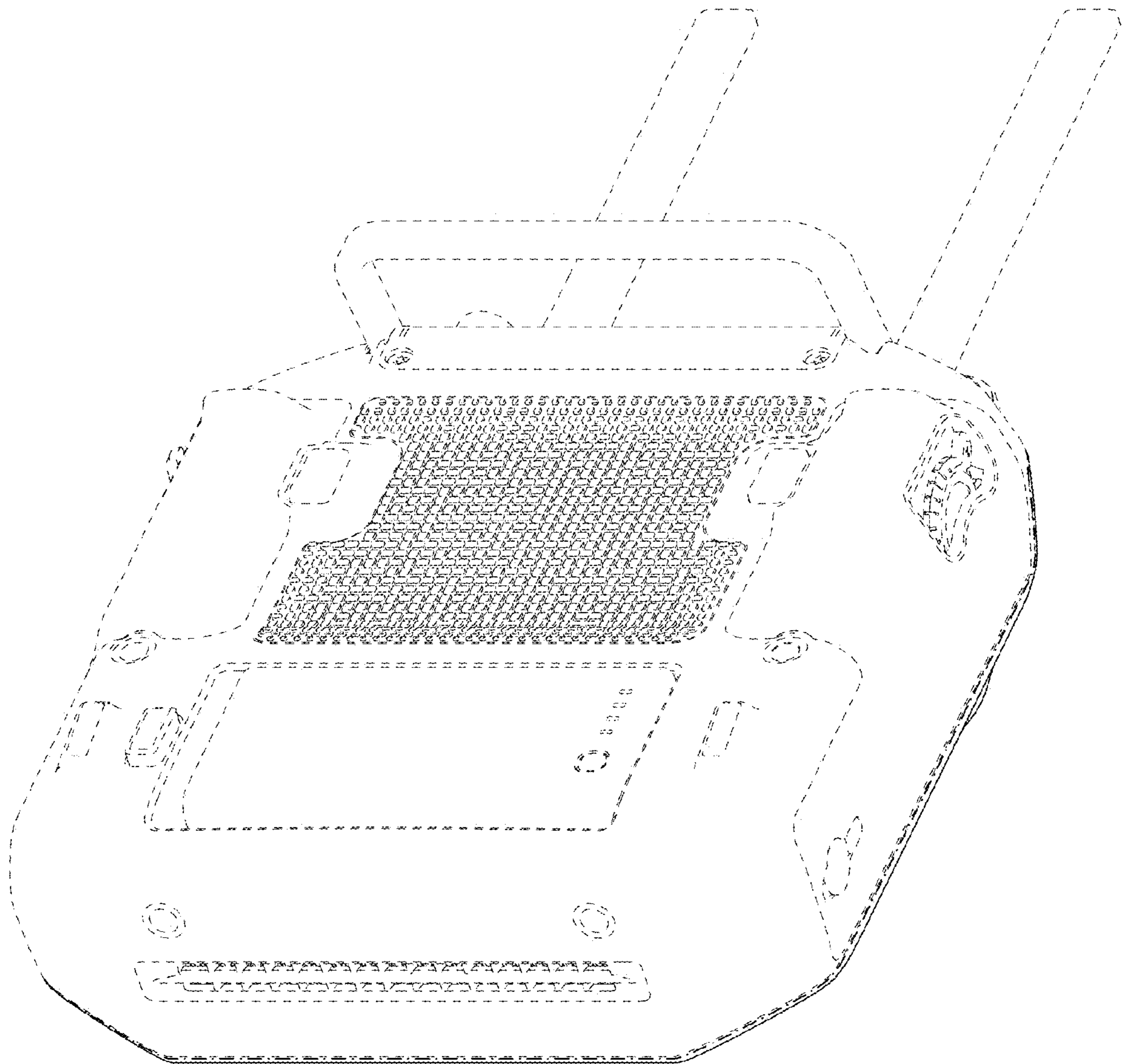


FIG. 2

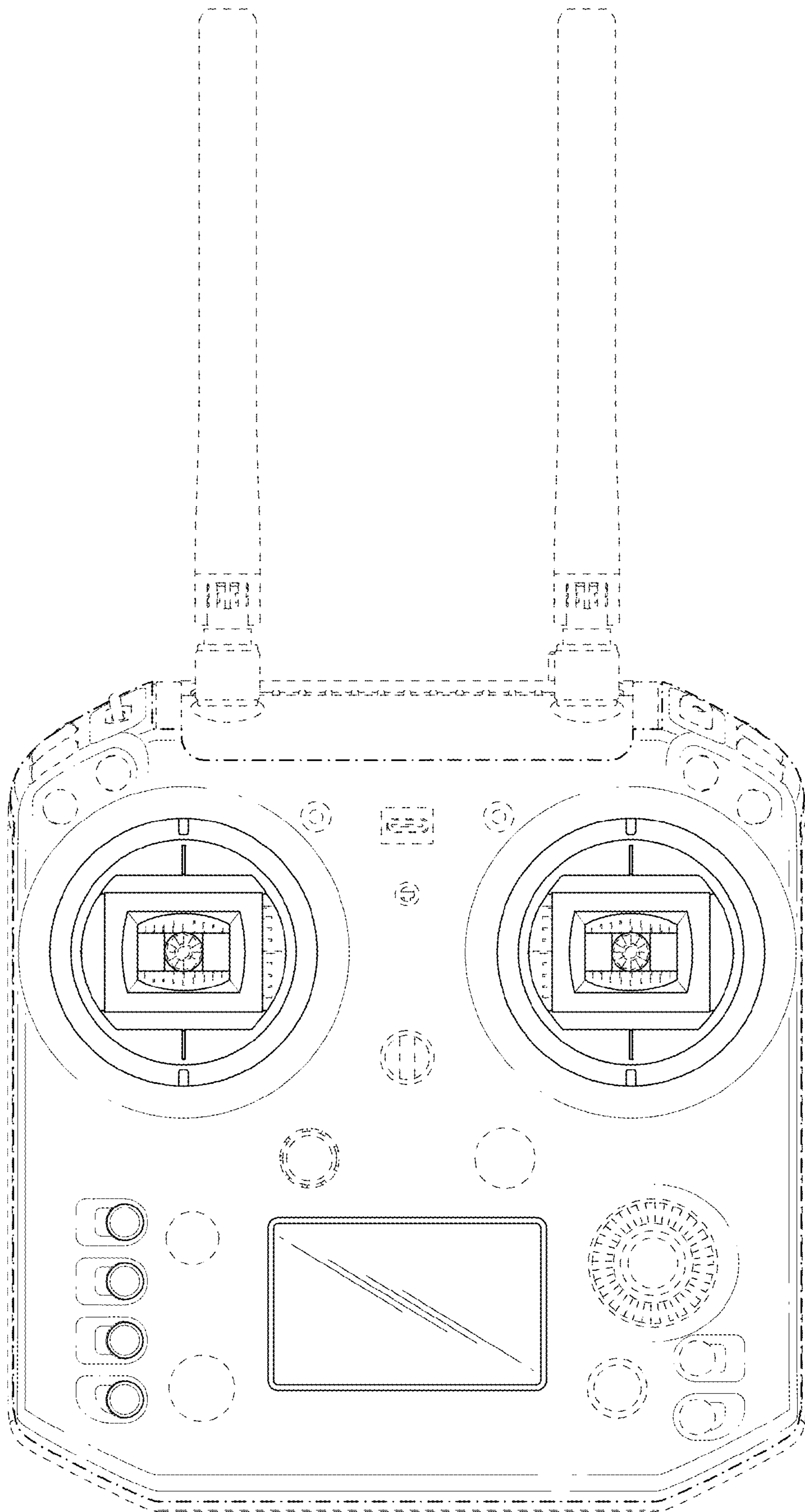


FIG. 3

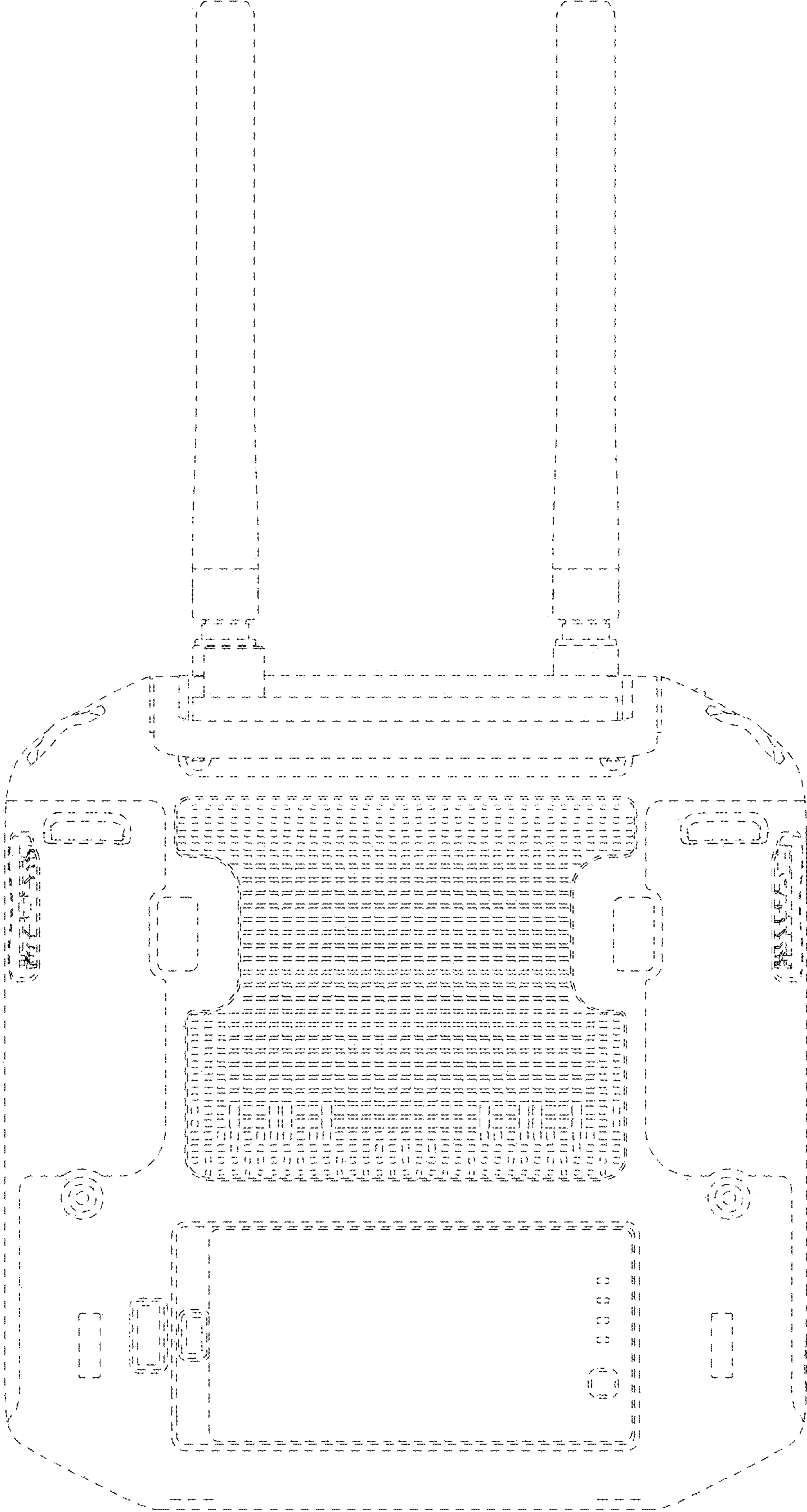


FIG. 4

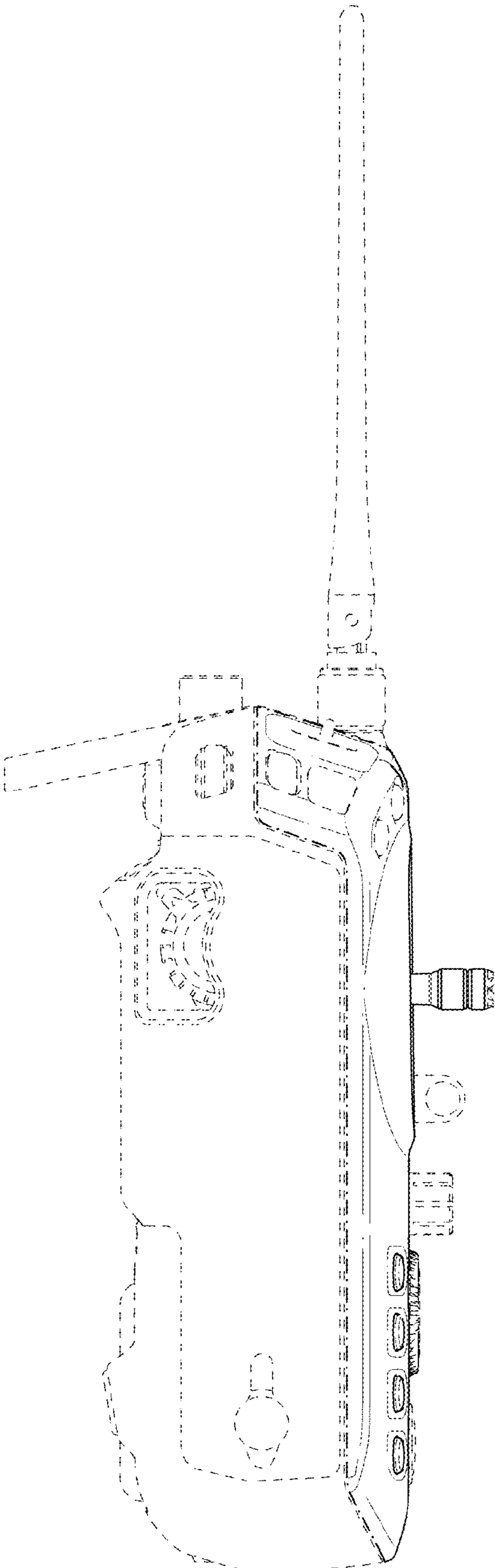


FIG. 5

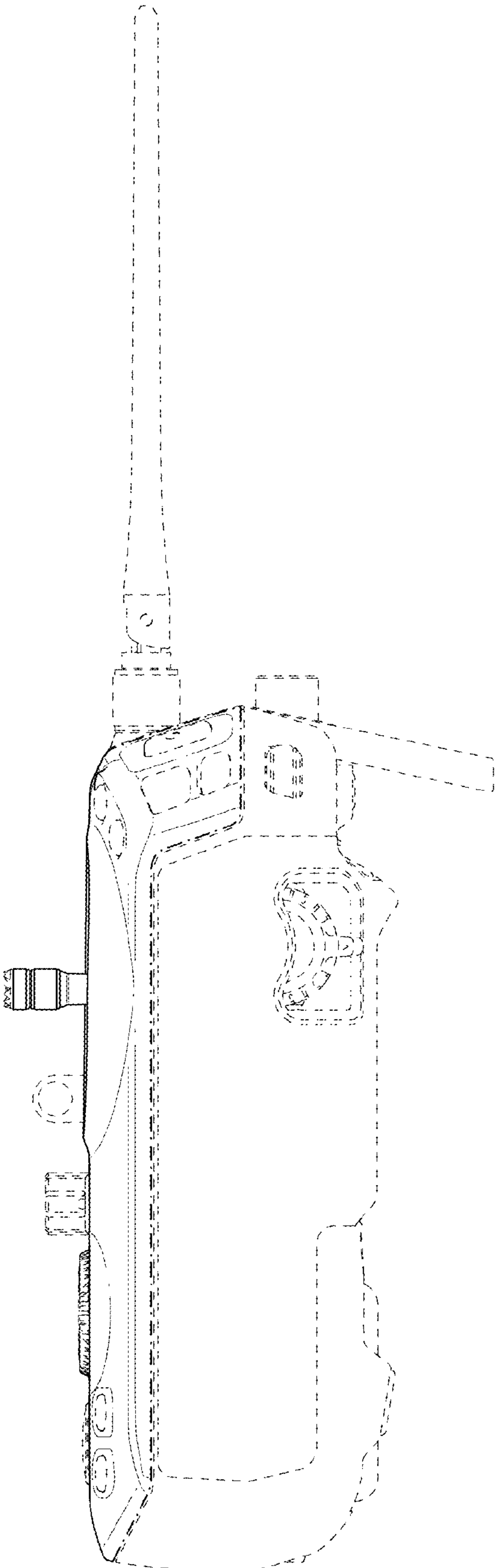


FIG. 6

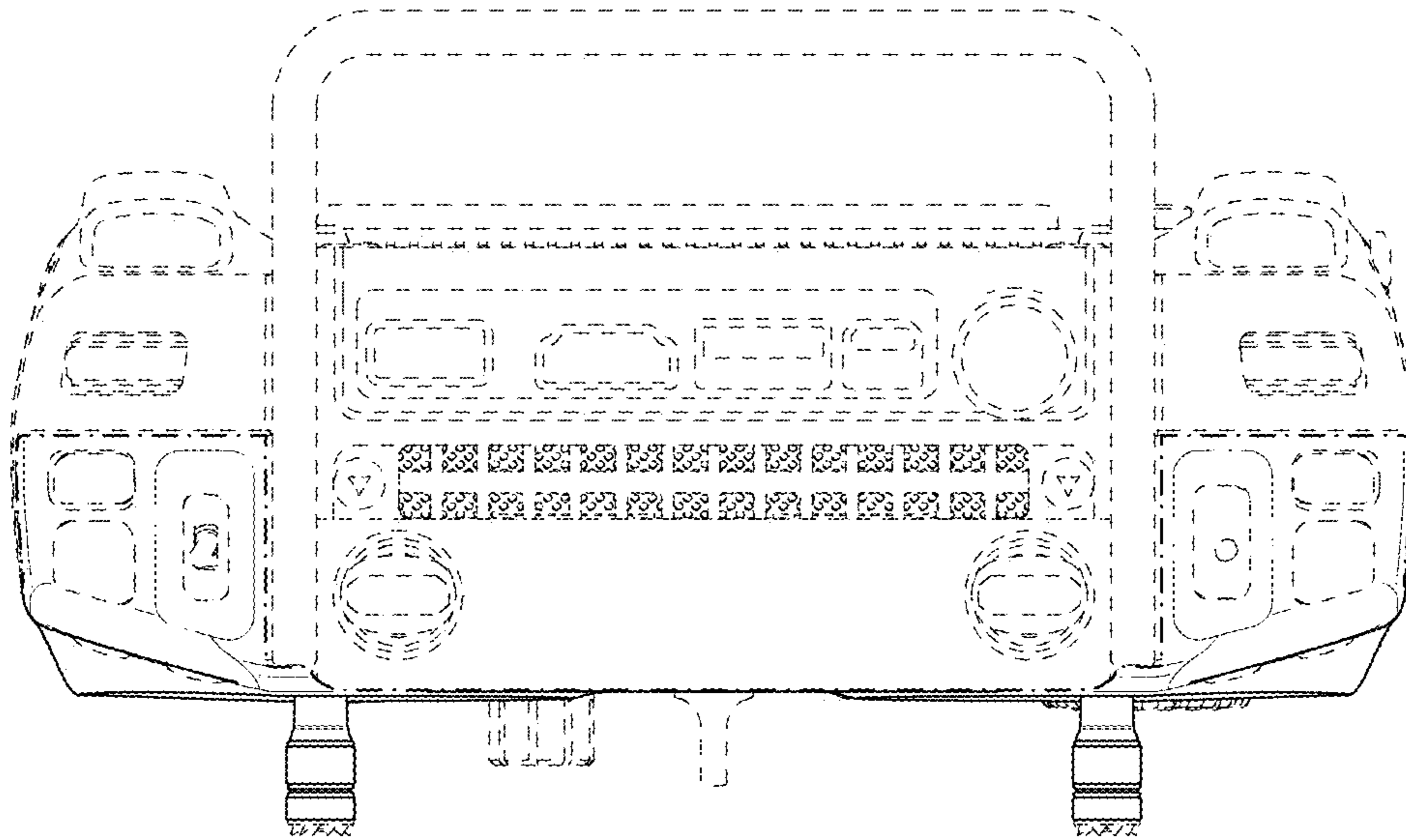


FIG. 7

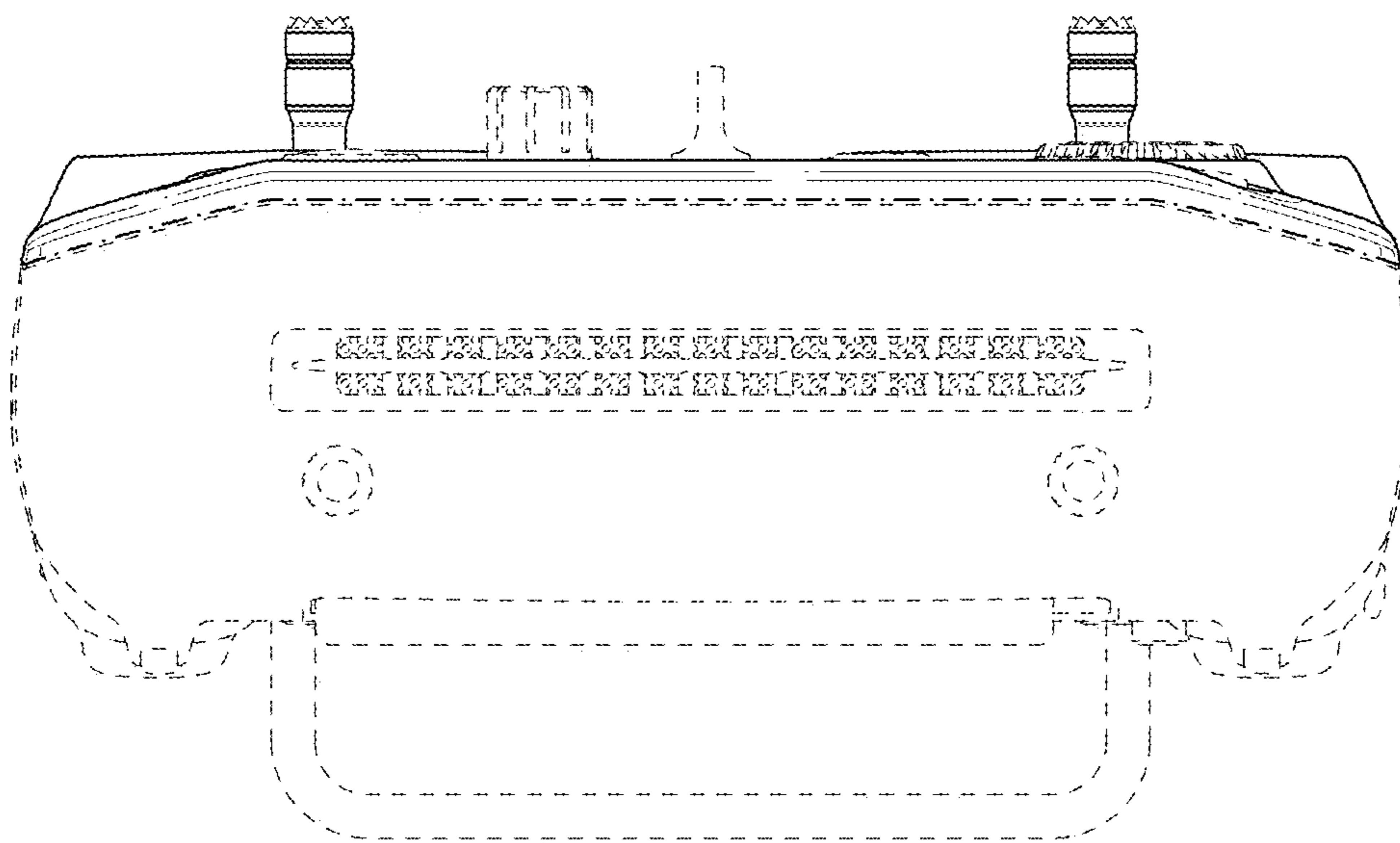


FIG. 8