



US00D907323S

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

(10) **Patent No.:** **US D907,323 S**

(45) **Date of Patent:** **** Jan. 5, 2021**

(54) **REMOTE CONTROL DEVICE**

(71) Applicant: **BRENDEL HOLDING GmbH & Co., KG**, Crailsheim (DE)

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(73) Assignee: **BRENDEL HOLDING GmbH & Co. KG**, Crailsheim (DE)

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

(21) Appl. No.: **29/685,825**

(22) Filed: **Mar. 31, 2019**

(51) **LOC (13) Cl.** **12-05**

(52) **U.S. Cl.**
USPC **D34/35; D13/168; D15/28; D21/333; D21/566**

(58) **Field of Classification Search**
USPC D21/333, 414, 430, 447, 561, 566, 582, D21/599; D12/16.1, 345; D14/218, 401,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D209,151 S * 11/1967 Jones D21/561
D368,073 S * 3/1996 Zulian D13/168
(Continued)

FOREIGN PATENT DOCUMENTS

CN 305391829 * 10/2019
CN 305765361 * 5/2020
(Continued)

OTHER PUBLICATIONS

Modern crane remote controls need to be future-proof, exible and safe, by Euan Youdale, posted Apr. 19, 2011 [Online], [Site visited May 13, 2020] Available From Internet, URL:<<https://www.khl.com/features/modern-crane-remote-controls-need-to-be-future-proof-flexible-and-safe-/63297.article>> (Year: 2011).*

(Continued)

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(57) **CLAIM**

The ornamental design for a remote control device, as shown and described.

DESCRIPTION

The patent or application file contains at least one drawing executed in color. Copies of this patent or application publication with color drawing(s) will be provided by the Patent Office upon request and payment of the necessary fee. FIG. 1 is a front view of a remote control device according to a first embodiment.

FIG. 2 is a rear view of the remote control device shown in FIG. 1.

FIG. 3 is a top view of the remote control device shown in FIG. 1.

FIG. 4 is a bottom view of the remote control device shown in FIG. 1.

FIG. 5 is a left side view of the remote control device shown in FIG. 1.

FIG. 6 is a right side view of the remote control device shown in FIG. 1.

FIG. 7 is a front view of a remote control device according to a second embodiment.

FIG. 8 is a rear view of the remote control device shown in FIG. 7.

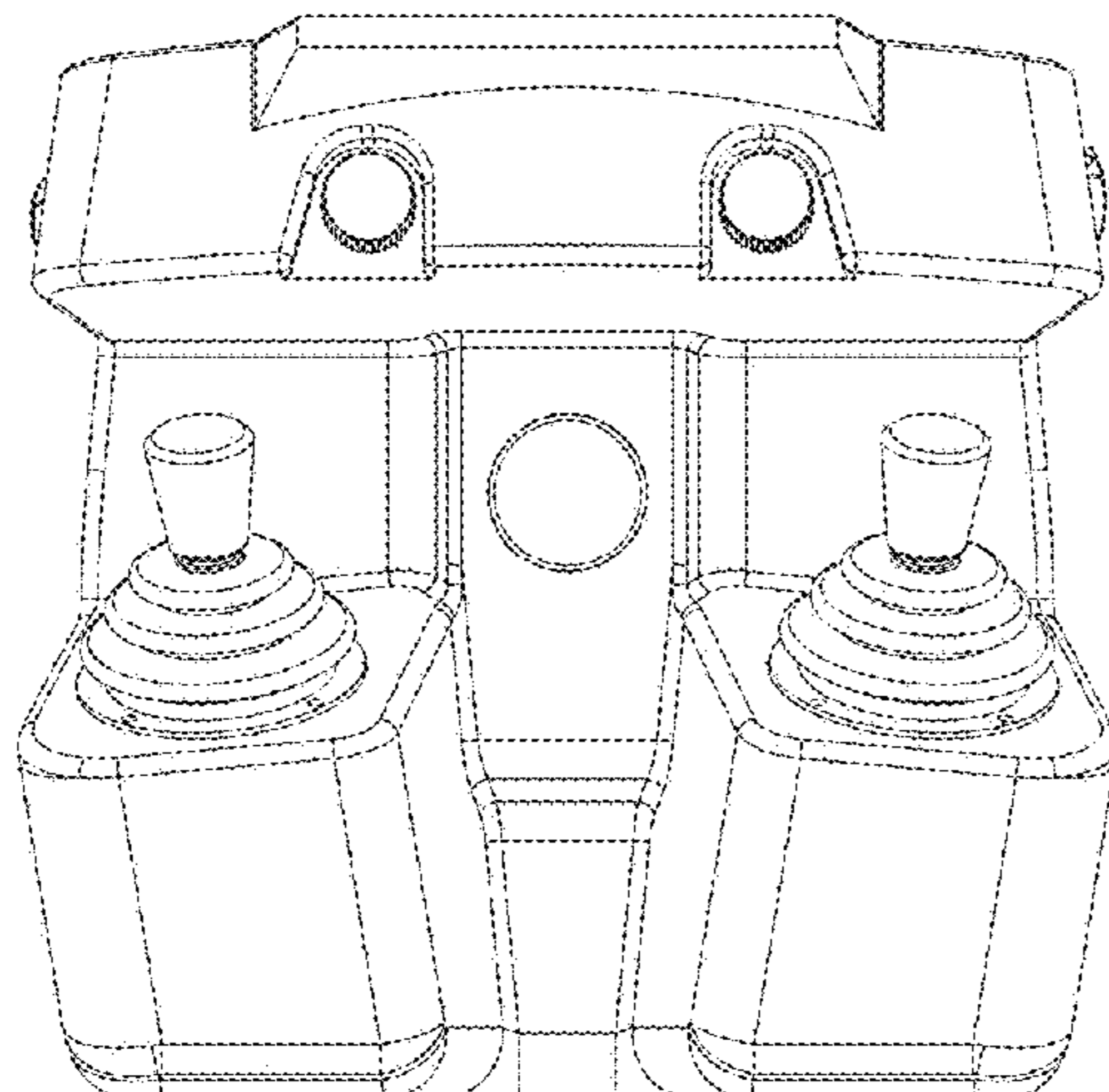
FIG. 9 is a top view of the remote control device shown in FIG. 7.

FIG. 10 is a bottom view of the remote control device shown in FIG. 7.

FIG. 11 is a left side view of the remote control device shown in FIG. 7 with the knobs rotated to an alternate position; and,

FIG. 12 is a right side view of the remote control device shown in FIG. 7.

(Continued)



As shown in the figures, the remote control device includes knobs that are movable between respective positions shown in the drawings, including the respective positions shown in FIGS. 8, 9 and 11.

**1 Claim, 12 Drawing Sheets
(6 of 12 Drawing Sheet(s) Filed in Color)**

(58) Field of Classification Search

USPC D14/414; D13/164, 168; D34/35;
D15/18, 28; 340/12.5; 248/118
CPC G06F 3/0346; G06F 3/014; G06F 3/033;
G06F 3/017; G06F 3/0362; G06F 3/0338;
G06F 3/023; G06F 3/0488; G06F 3/01;
G06F 3/039; G05D 1/0011; G05D
1/0038; G05D 1/0016; B64C 39/024;
B60K 37/06; H04L 67/125

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D423,595 S * 4/2000 Goto D14/401
D427,600 S * 7/2000 Probstel D14/414
D509,266 S * 9/2005 Gollither D21/566
D557,218 S * 12/2007 Ewringmann D13/164
D592,126 S * 5/2009 da Silveira D12/345
D672,397 S * 12/2012 Wai D14/401
D737,539 S * 8/2015 Zeppetzaer D34/35

D742,936 S * 11/2015 Ewringmann D15/28
D762,179 S * 7/2016 Wong D13/168
D777,623 S * 1/2017 Anderton D12/174
D789,425 S * 6/2017 Smith D15/21
D834,655 S * 11/2018 Oberndorfer D21/566
D861,767 S * 10/2019 Morishita D16/237
D861,768 S * 10/2019 Morishita D16/237
10,452,064 B1 * 10/2019 Ray B64C 39/024
D868,708 S * 12/2019 Goos D13/168
D868,709 S * 12/2019 Goos D13/168
D868,710 S * 12/2019 Goos D13/168
2014/0353438 A1 * 12/2014 Kerdreux B60K 37/06
248/118
2016/0313732 A1 * 10/2016 Seydoux G06T 19/006
2017/0210603 A1 * 7/2017 Maffeis B66C 13/44
2019/0262992 A1 * 8/2019 Kim B25J 9/1689

FOREIGN PATENT DOCUMENTS

KE 300858226.0000 * 6/2016
WO 2019/057759 * 3/2019 G08C 17/00

OTHER PUBLICATIONS

A roundup of the latest remote controls for cranes, by Euan Youdale, posted Aug. 10, 2010 [Online], [Site visited May 13, 2020] Available From Internet<<https://www.khl.com/features/a-roundup-of-the-latest-remote-controls-for-cranes-/57593.article>> (Year: 2010).*
REM Genesis, First Available Date Jan. 19, 2020 [Online], [Site visited May 13, 2020] Available From Internet, URL:<<https://monocrane.co.nz/rem-genesis/>> (Year: 2020).*

* cited by examiner

FIG. 1

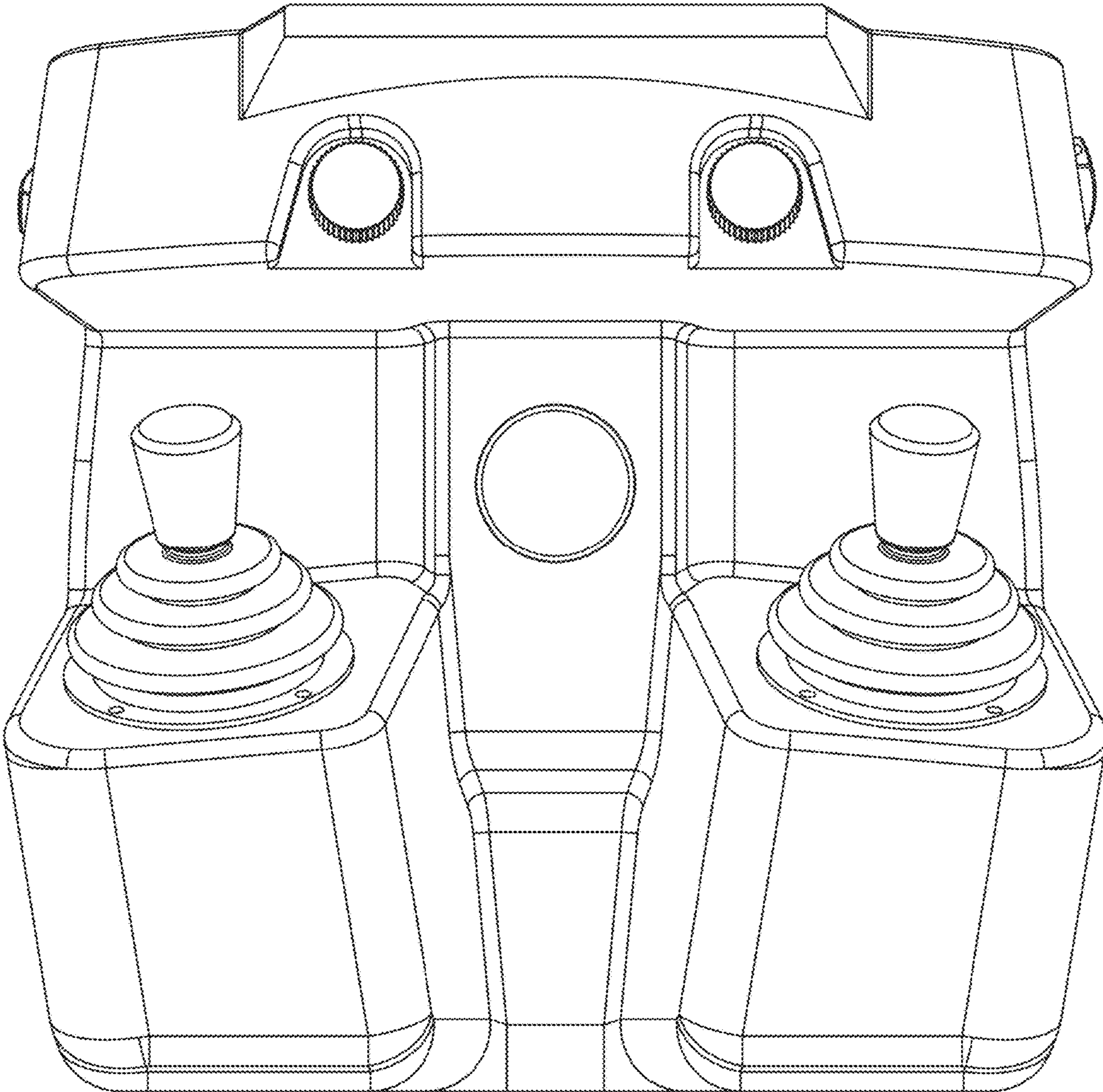


FIG. 2

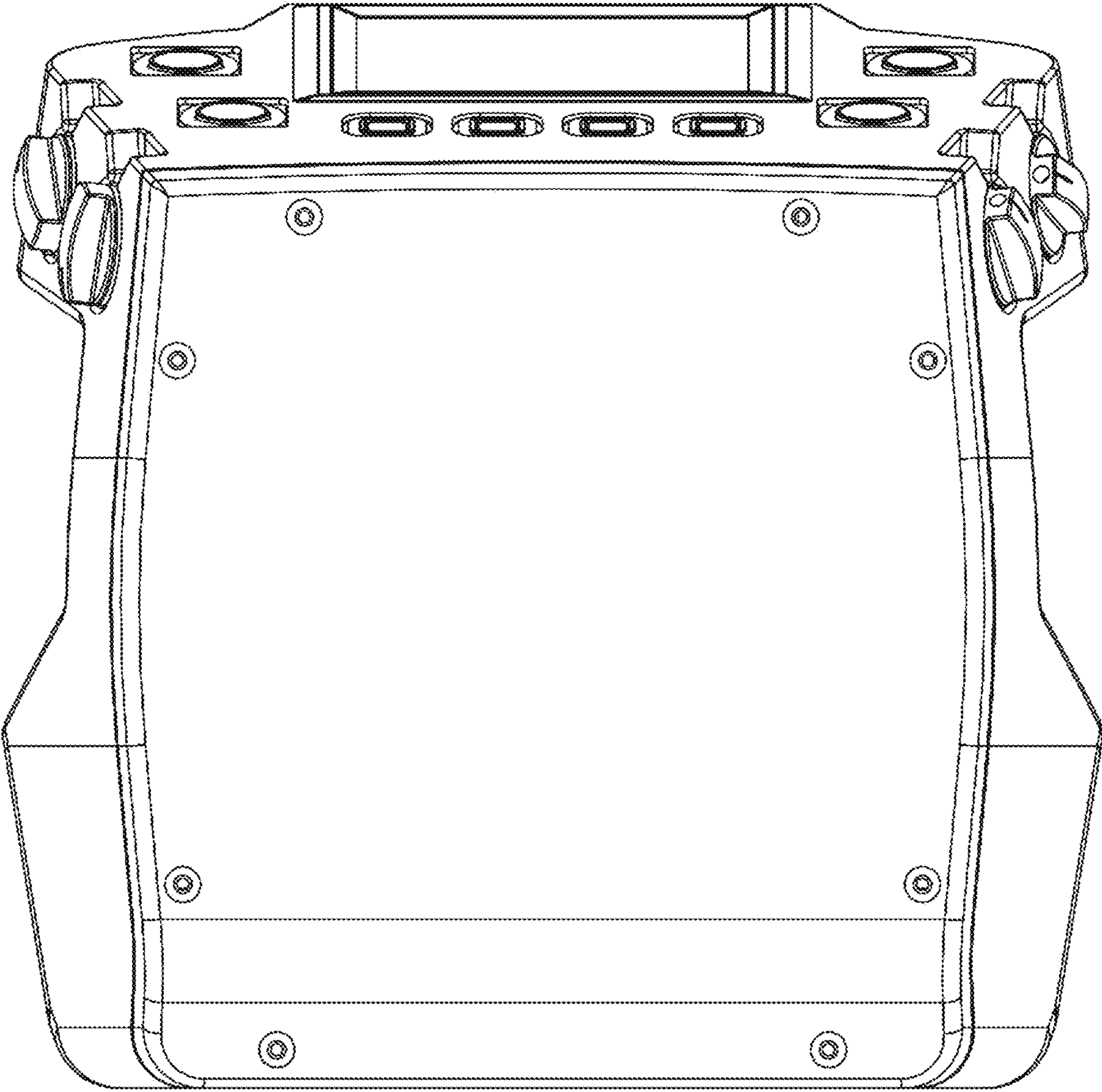


FIG. 3

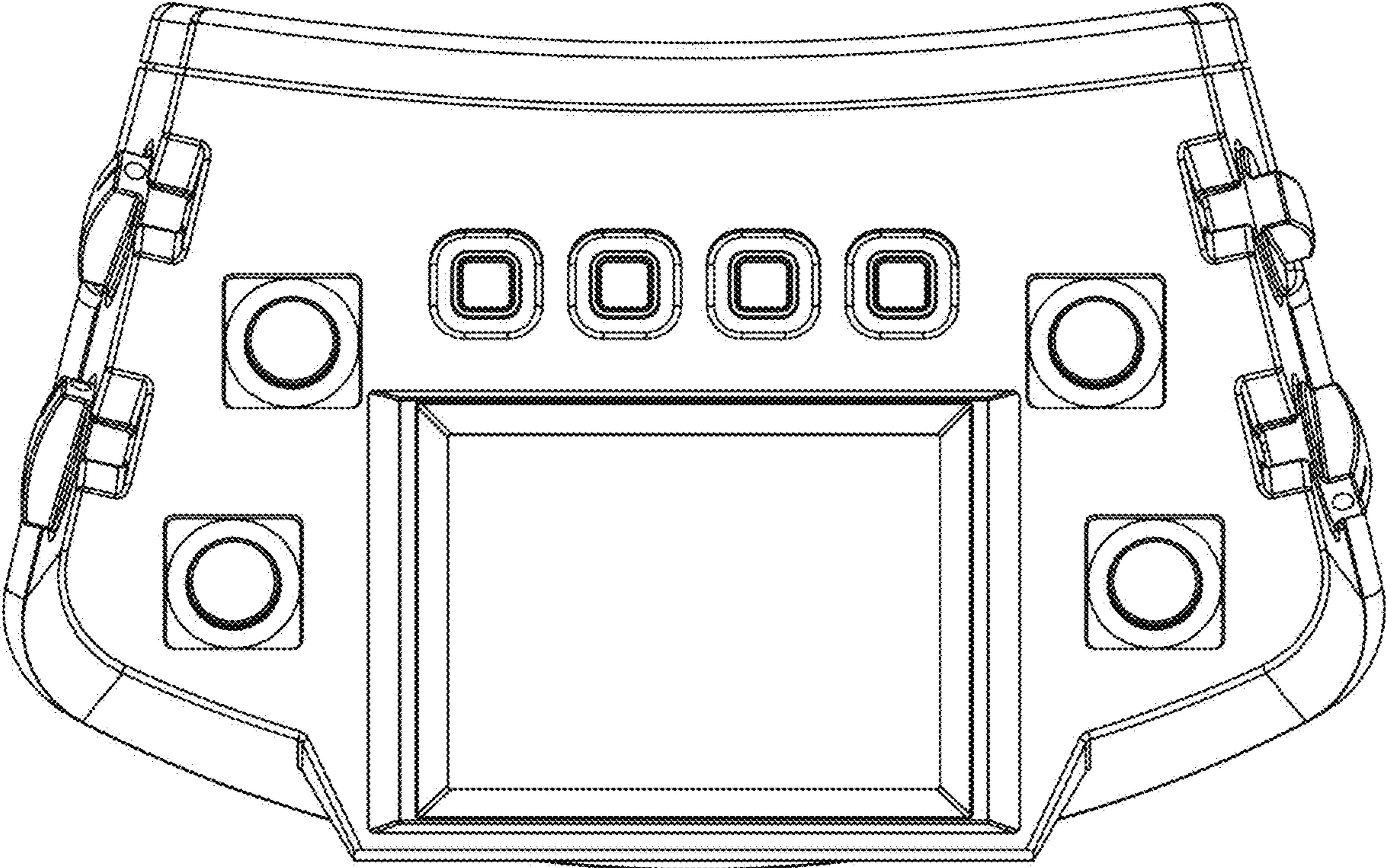


FIG. 4

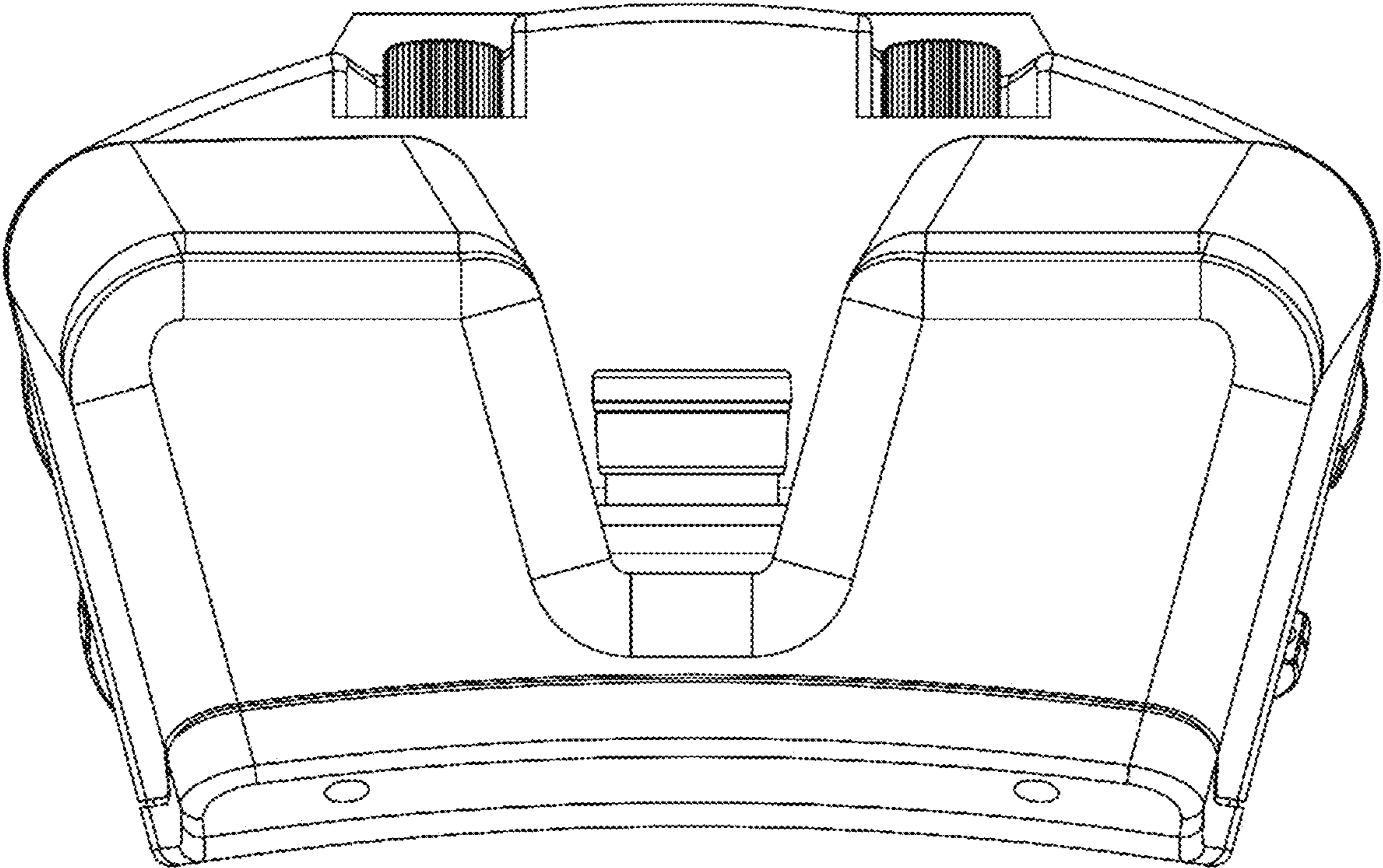


FIG. 5

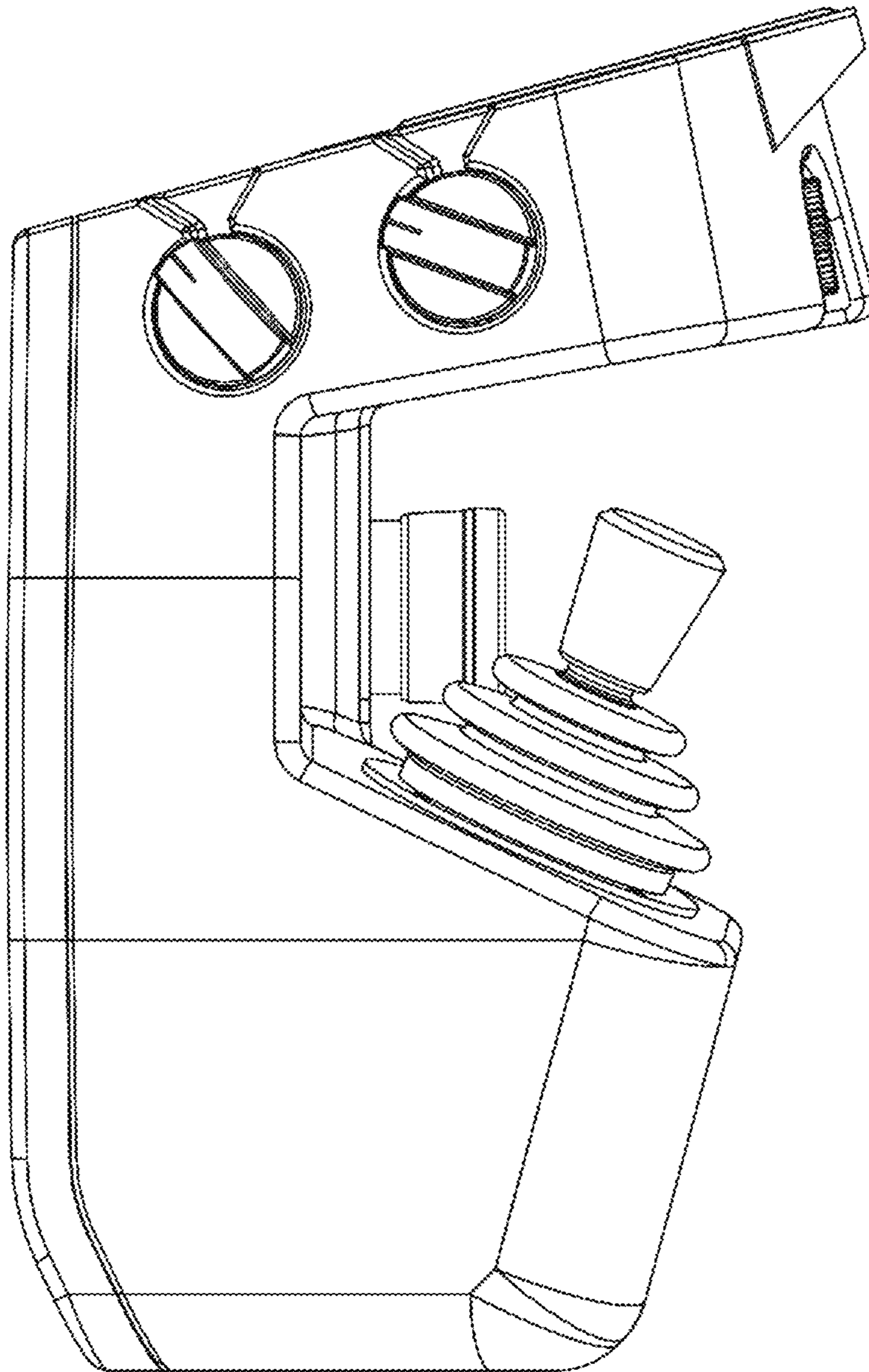


FIG. 6

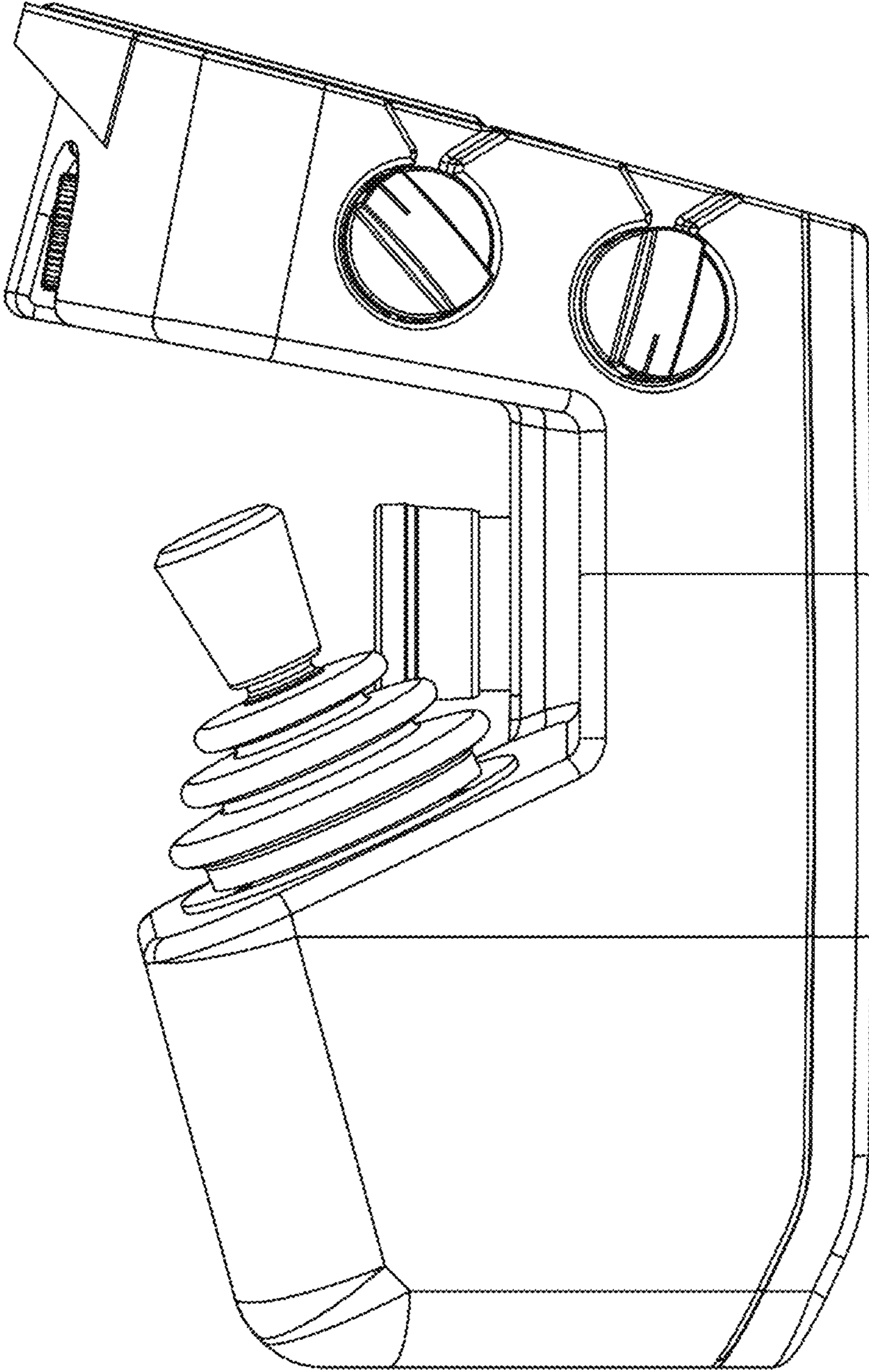


FIG. 7

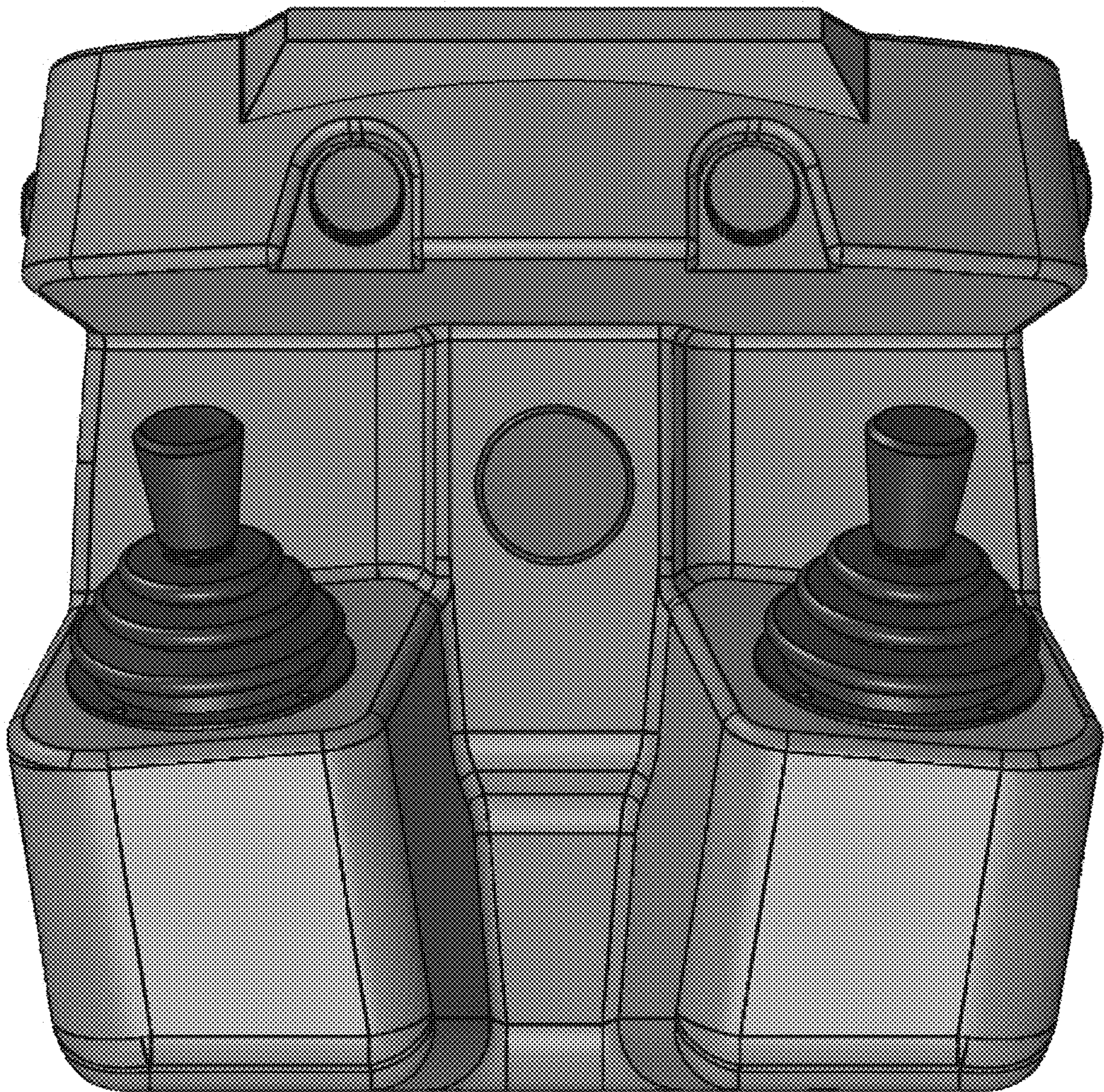


FIG. 8



FIG. 9

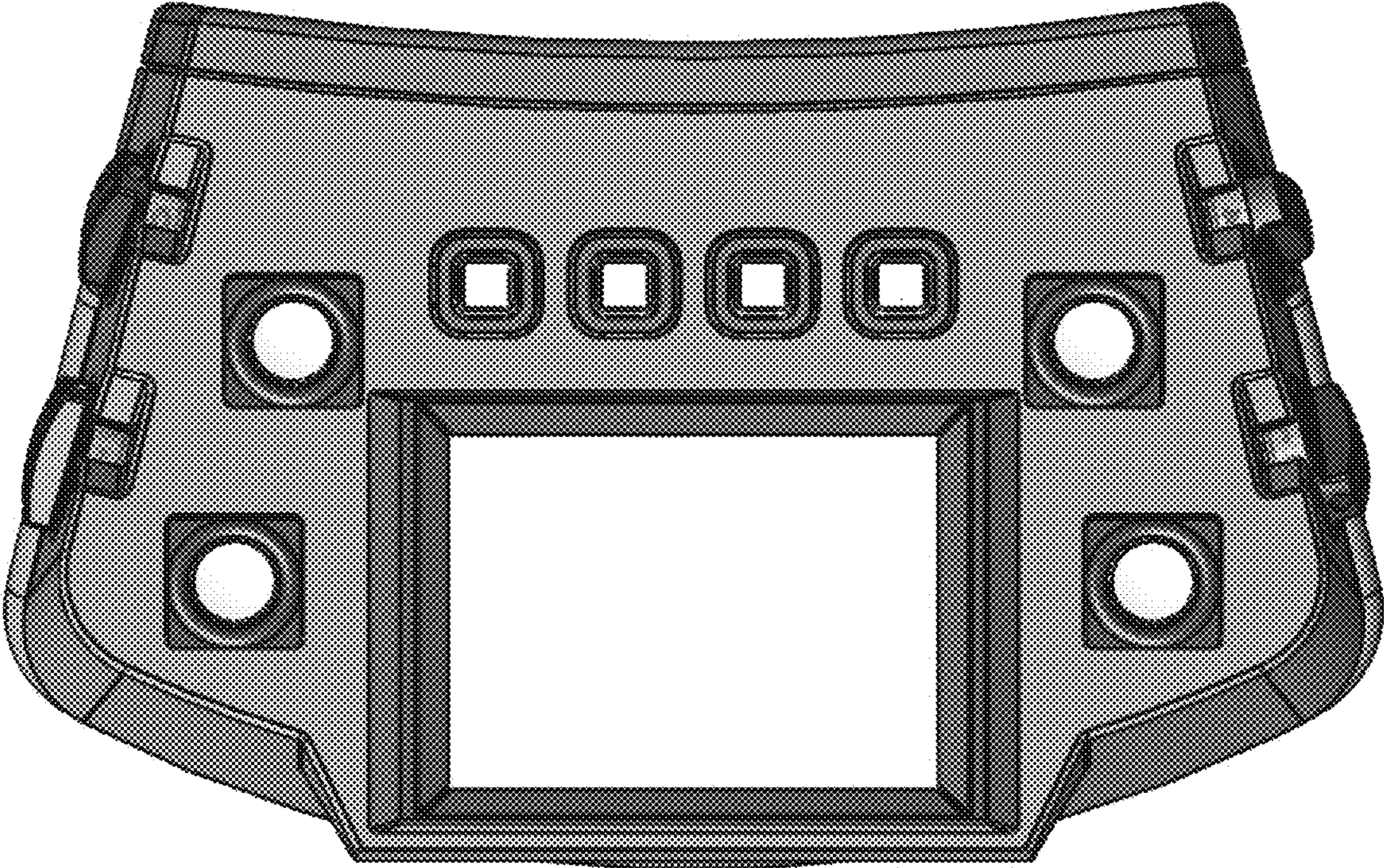


FIG. 10

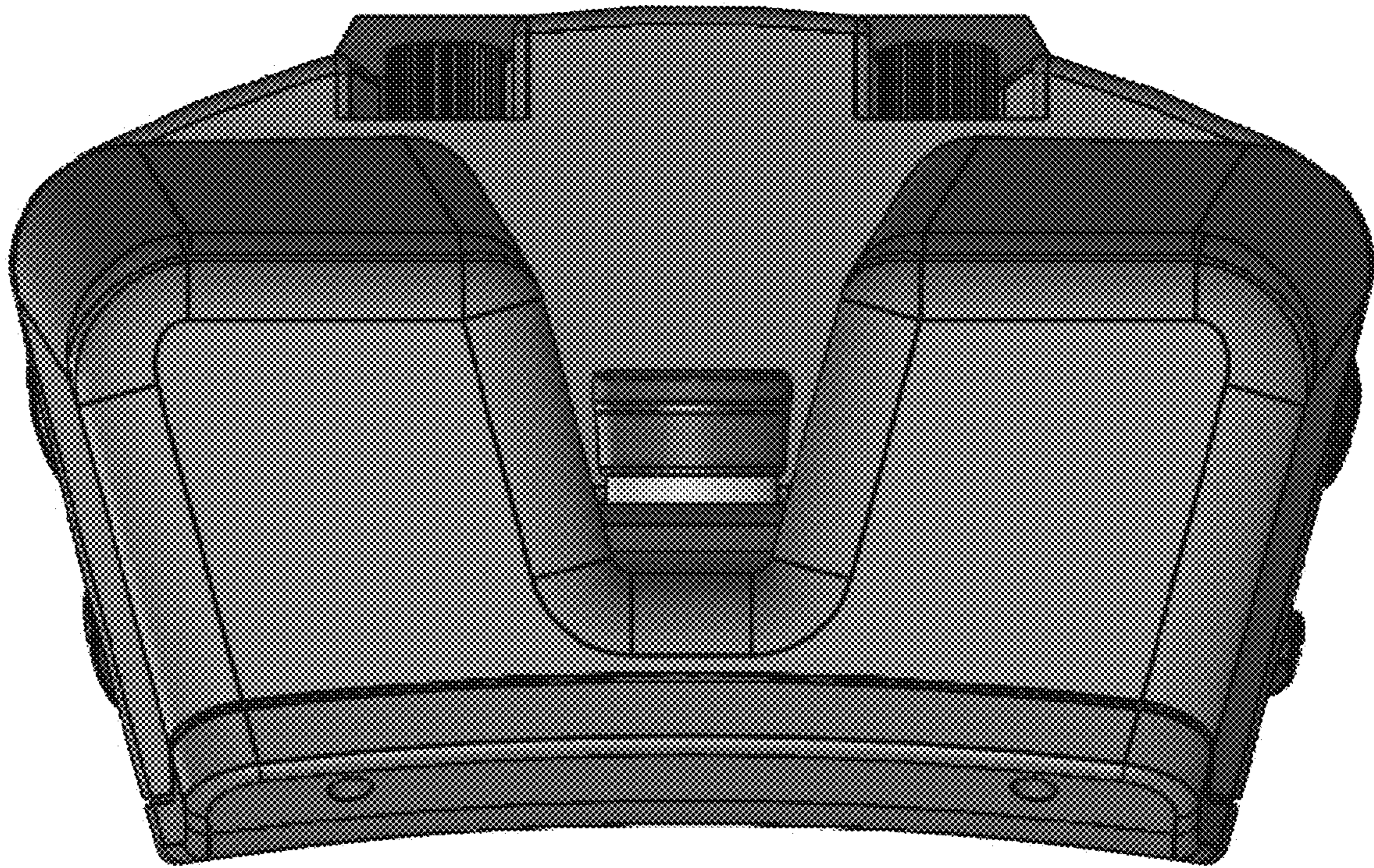


FIG. 11

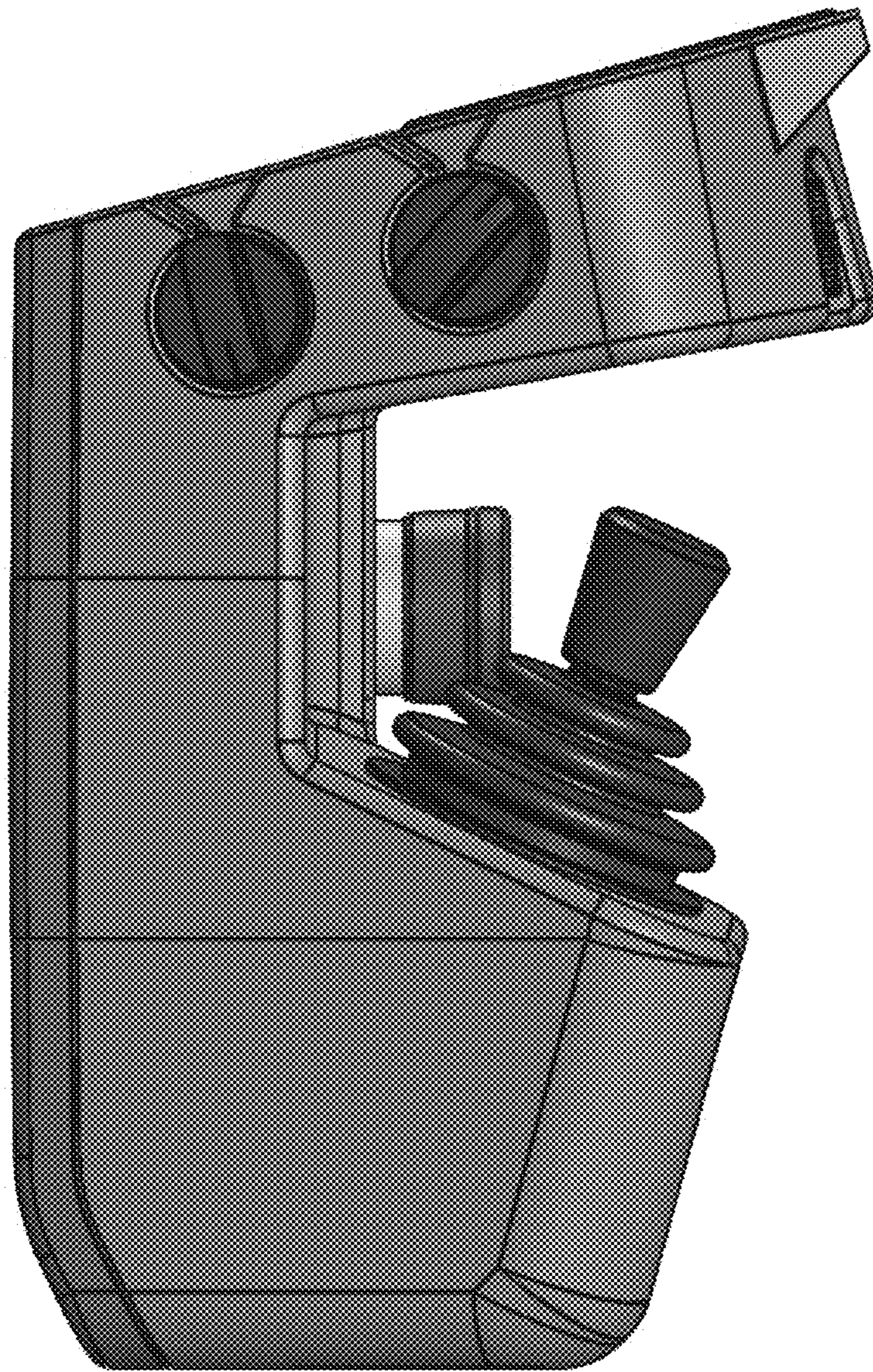


FIG. 12

