



US00D932486S

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

(10) **Patent No.:** **US D932,486 S**

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

(54) **ROBOT TEACH PENDANT**

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

(21) Appl. No.: **29/669,173**

(22) Filed: **Nov. 6, 2018**

(30) **Foreign Application Priority Data**

May 18, 2018 (EM) 005272051

(51) **LOC (13) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D14/341**

(58) **Field of Classification Search**

USPC D14/315-318, 341-347, 420, 426, 240,
D14/129-130, 496, 137, 138 R, 138 AA,
D14/138 AB, 138 AC, 138 AD, 138 C,
D14/138 G, 147, 203.1-203.8, 218, 247,
D14/371, 248, 388-389, 374, 429, 453;
D10/104.1, 50, 65; D19/60, 113;
D21/324, 329, 330, 332; D15/199;
D24/186

CPC G06F 1/1626; G06F 1/1613; G06F 3/0488;
G06F 3/04886; G06F 3/041; G06F
3/0412; G06F 3/0416; H04M 1/725;
H04M 1/0202; H04M 1/0266; G05B
19/409; G05B 2219/36162; G05B
2219/39443; G05B 19/427; G05B
2219/36159

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D385,857 S * 11/1997 Cohen D14/336
D432,137 S * 10/2000 Holtzman D14/458

D448,009 S * 9/2001 Lavelle D14/125
D451,535 S * 12/2001 Lee D18/4.6
D461,802 S * 8/2002 Tu D14/341
D464,345 S * 10/2002 Liu D14/341
6,494,527 B1 * 12/2002 Bischoff B60H 1/00985
296/208
D480,720 S * 10/2003 Sjoberg D14/341
D541,769 S * 5/2007 Hoehn D14/126
D561,616 S * 2/2008 Park D10/65
D581,818 S * 12/2008 Gretton D10/65
D592,214 S * 5/2009 Bradford D14/371
D600,727 S * 9/2009 Apotheloz D16/131

(Continued)

OTHER PUBLICATIONS

Teach pendants for robots, announced Jul. 27, 2018 [online],
[retrieved Oct. 8, 2020], Available from Internet, URL: <<https://fabryka-robotow.pl/2018/07/teach-pendants-for-robots-the-changes-are-coming/>> (Year: 2018).*

(Continued)

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(57)

CLAIM

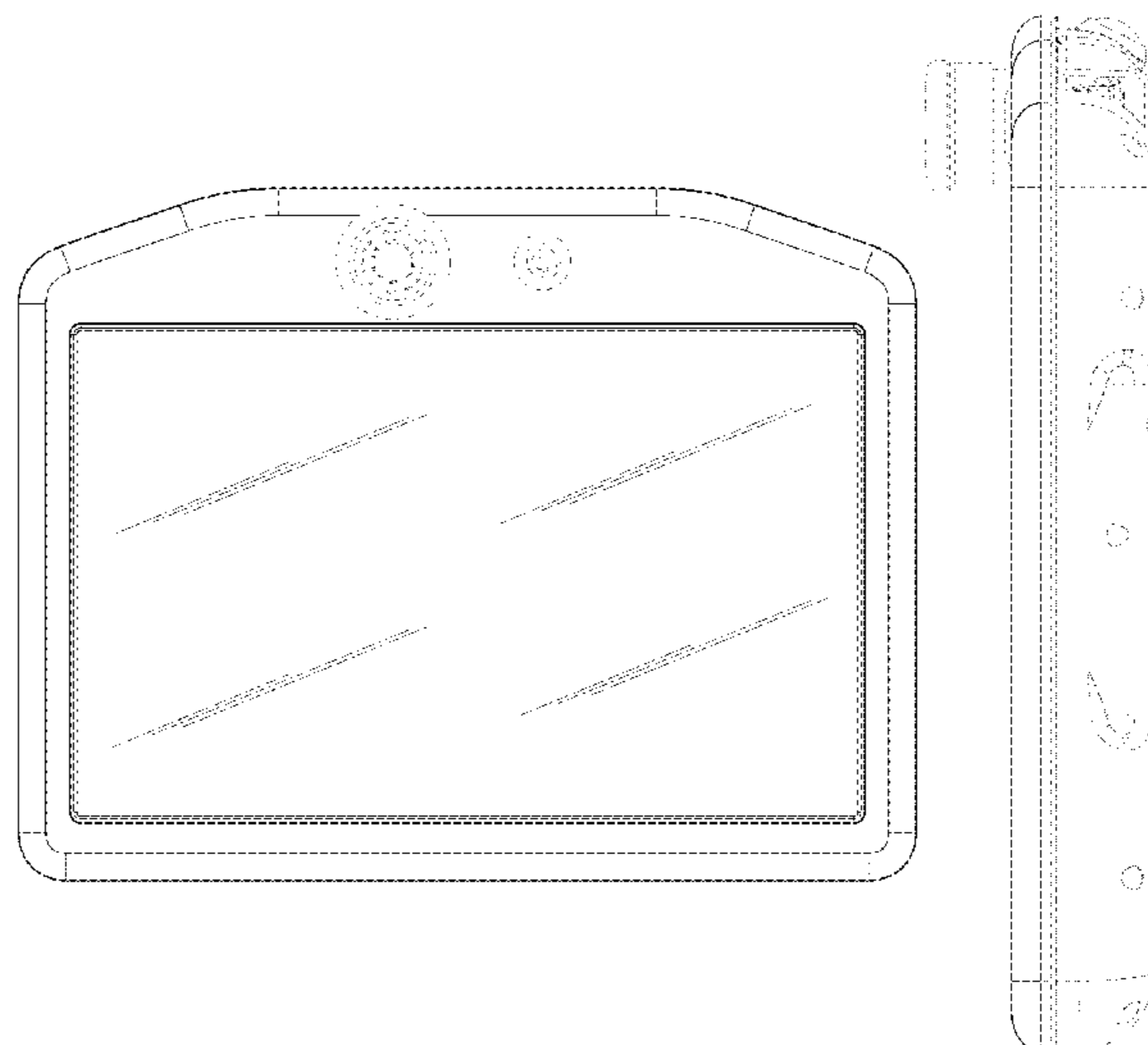
The ornamental design for a robot teach pendant, as shown
and described.

DESCRIPTION

FIG. 1 is a front, right side perspective view of a robot teach
pendant showing the new design;
FIG. 2 is a front view thereof;
FIG. 3 is a top view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof; and,
FIG. 7 is a back view thereof.

The broken or dotted lines in the figures depict portions of
the robot teach pendant that form no part of the claimed
design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D691,146	S	*	10/2013	Perez	.....	D14/440
D703,664	S	*	4/2014	Spiro	.....	D14/341
D724,581	S	*	3/2015	Johnson	.....	D14/341
D756,322	S	*	5/2016	Ostensen	.....	D14/126
D762,642	S	*	8/2016	Johnson	.....	D14/371
D770,052	S	*	10/2016	Abu-Tarif	.....	D24/186
D771,050	S	*	11/2016	Morgeneier	.....	D14/426
D778,903	S	*	2/2017	Tsai	.....	D14/341
D790,550	S	*	6/2017	Chen	.....	D14/440
D803,221	S	*	11/2017	Guo	.....	D14/440
D813,863	S	*	3/2018	Barea	.....	D14/341
D835,100	S	*	12/2018	Zhan	.....	D14/371
D838,715	S	*	1/2019	Chen	.....	D14/341
D856,341	S	*	8/2019	Tur	.....	D14/440
D864,137	S	*	10/2019	Chang	.....	D14/129
D871,401	S	*	12/2019	Jerregard	.....	D14/341
D871,589	S	*	12/2019	Oshima	.....	D24/186
D881,894	S	*	4/2020	Zhang	.....	D14/440
D884,701	S	*	5/2020	Huang	.....	D14/420
D884,702	S	*	5/2020	Huang	.....	D14/420
D900,828	S	*	11/2020	Chen	.....	D14/440
D902,202	S	*	11/2020	Fung	.....	D14/341
10,831,051	B2	*	11/2020	Jerregard	.....	H04M 1/0266
D907,212	S	*	1/2021	Pileski	.....	D24/186
D910,615	S	*	2/2021	Wall	.....	D14/341
2017/0252004	A1	*	9/2017	Broad	.....	A61B 8/145

OTHER PUBLICATIONS

Robot companies, announced 2017 [online], [retrieved Oct. 8, 2020], Available from Internet, URL: <<http://industrialrobot.info/robot-companies>> (Year: 2017).*

KAWASAKI Robot, announced Jan. 25, 2017 [online], [retrieved Oct. 8, 2020], Available from Internet, URL: <<https://www.youtube.com/watch?v=4enCu0LEStc>> (Year: 2017).*

CS9 robot controller, announced 2020 [online], [retrieved Oct. 8, 2020], Available from Internet, URL: <<https://www.staubli.com/en-GB/robotics/product-range/robot-controller/cs9-robot-controller/>> (Year: 2020).*

iPAD SP2 AED, announced 2020 [online], [retrieved Oct. 8, 2020], Available from Internet, URL: <<http://defibzone.com/products/ipad-sp2-aed-standard-non-recharge.html>> (Year: 2020).*

Robot teach pendants, announced Jan. 2010 [online], [retrieved Oct. 8, 2020], Available from Internet, URL: <https://www.researchgate.net/figure/Robot-teach-pendants-a-the-MOTOMAN-NX100-teach-pendant-b-the-ABB-IRC5-teach-pendant_fig1_264237333> (Year: 2010).*

First Notification for Correction (Chinese version) for CN 201830524587.5, 2 pages (Dec. 5, 2018).

First Office Action (Chinese version) for CN 201830524587.5, 1 page (Apr. 15, 2019).

Replacement Figures as filed for CN 201830524587.5, 12 pages (Jun. 28, 2019).

Replacement Figures as filed for CN 201830524587.5, 12 pages (Feb. 20, 2019).

Certificate of Registration for EP005272051-0001, 10 pages (May 18, 2018).

Certificate of Registration for EP005272051-0002, 10 pages (May 18, 2018).

Communication—Reply to official communication for EP005272051-0003, 2 pages (May 28, 2018).

Examination Report for EP005272051-0001/005272051-0004, 4 pages (May 24, 2018).

Receipt of an application for a registered Community design for EP005272051, 13 pages (May 18, 2018).

* cited by examiner

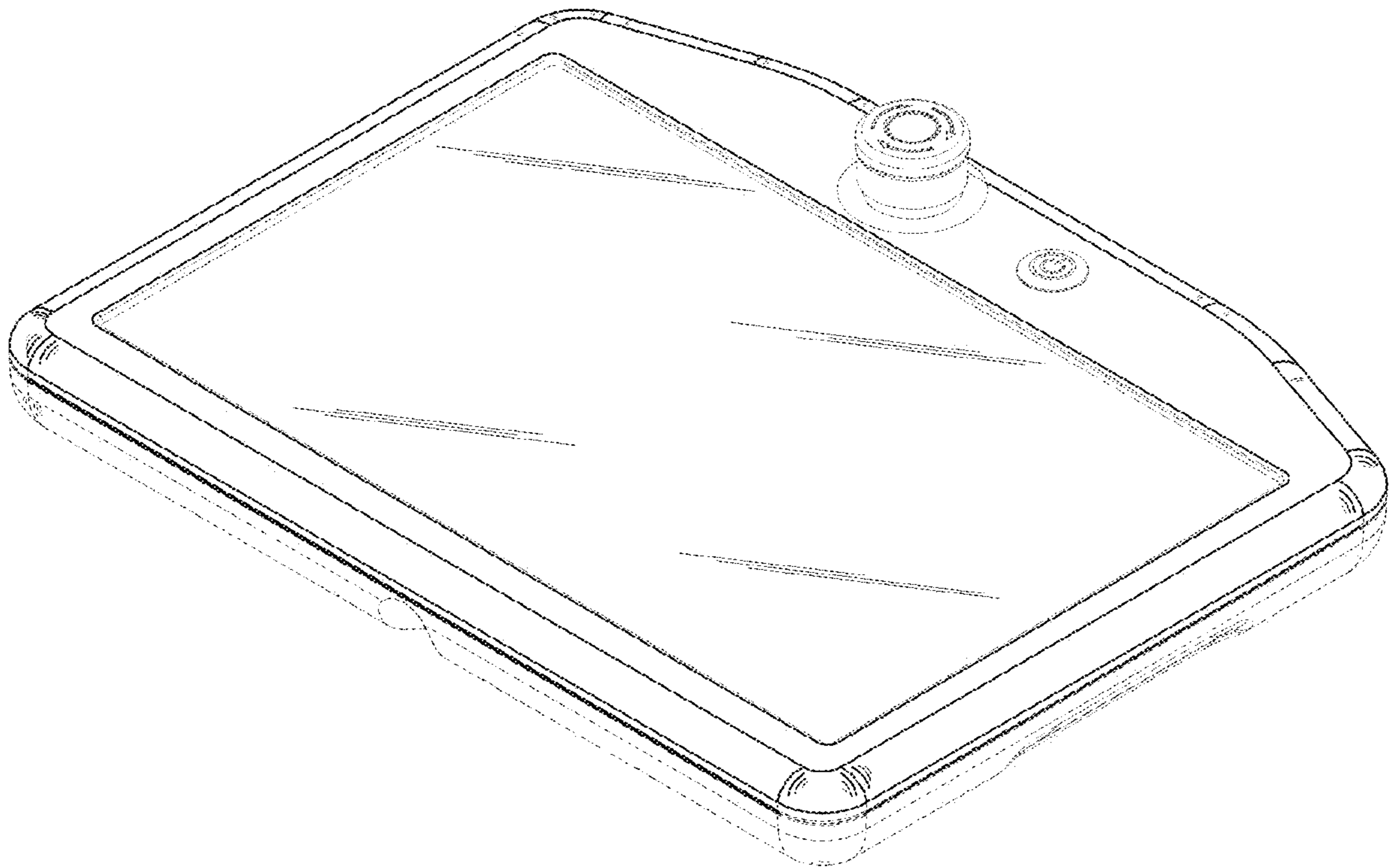


FIG.1

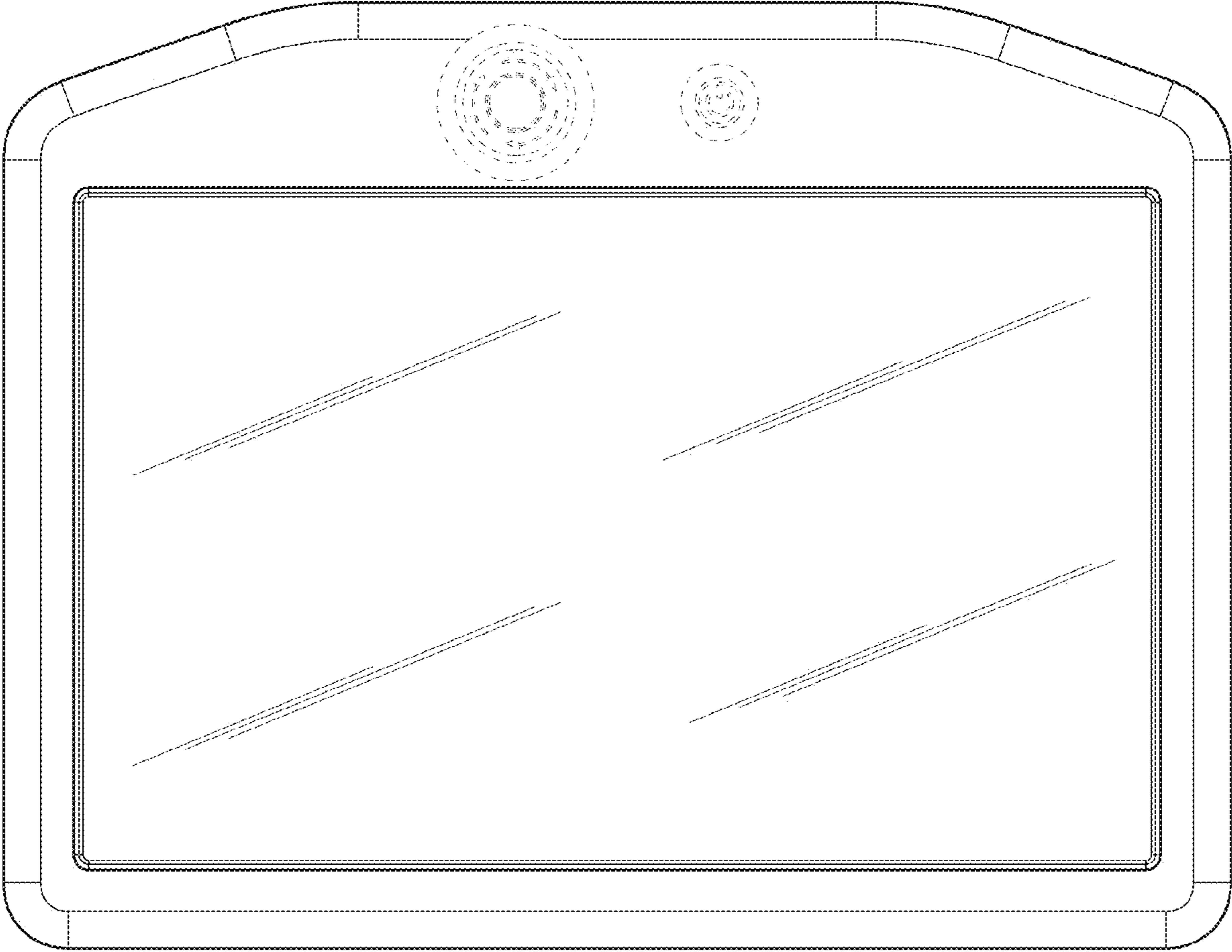


FIG. 2

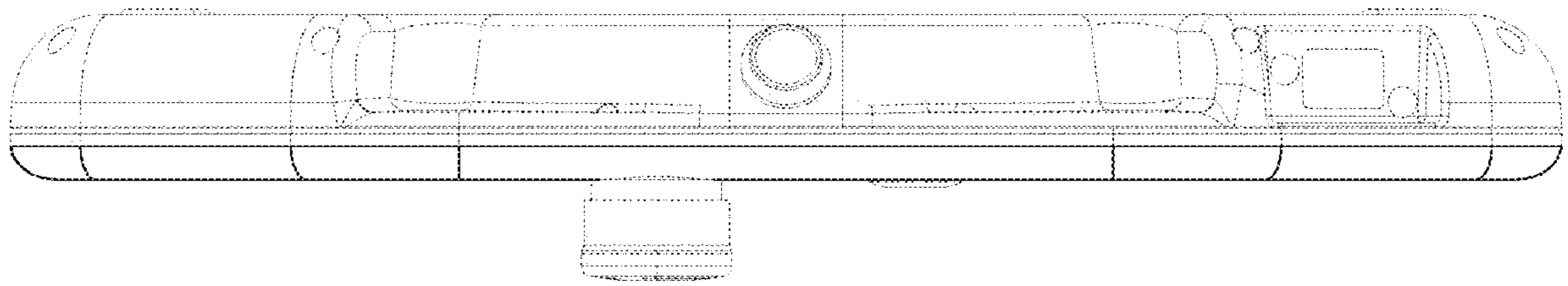


FIG.3

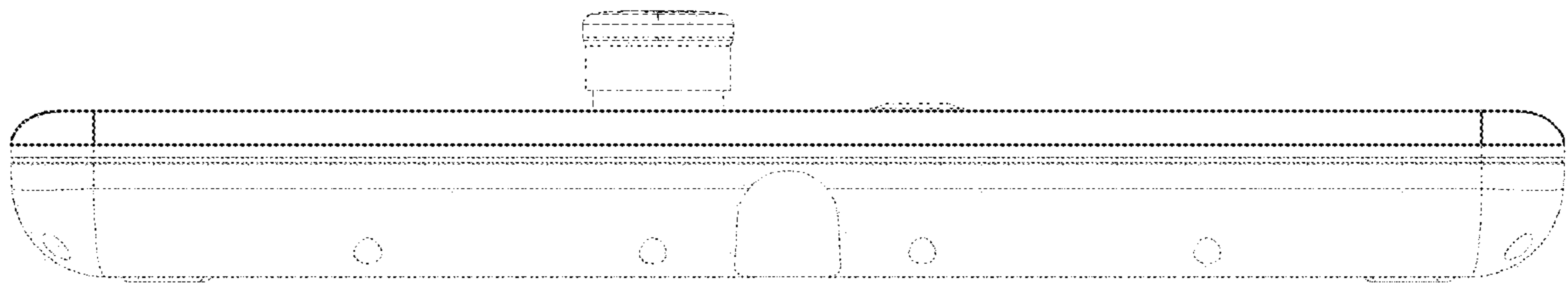


FIG. 4

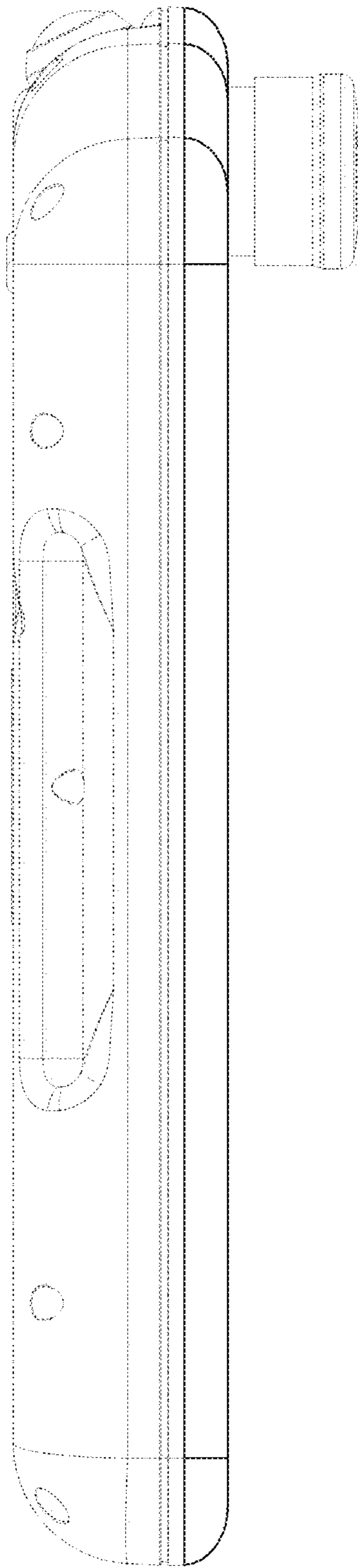


FIG. 5

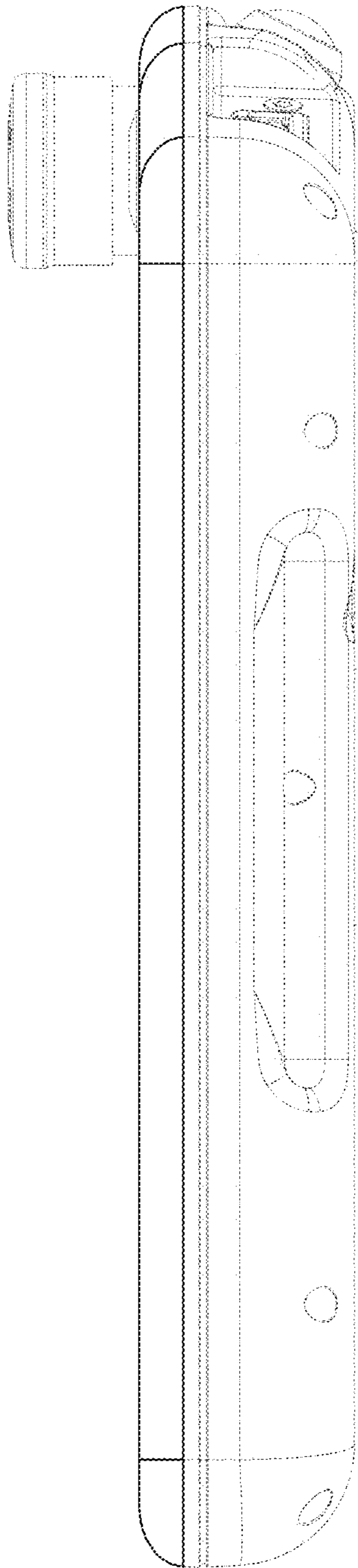


FIG. 6

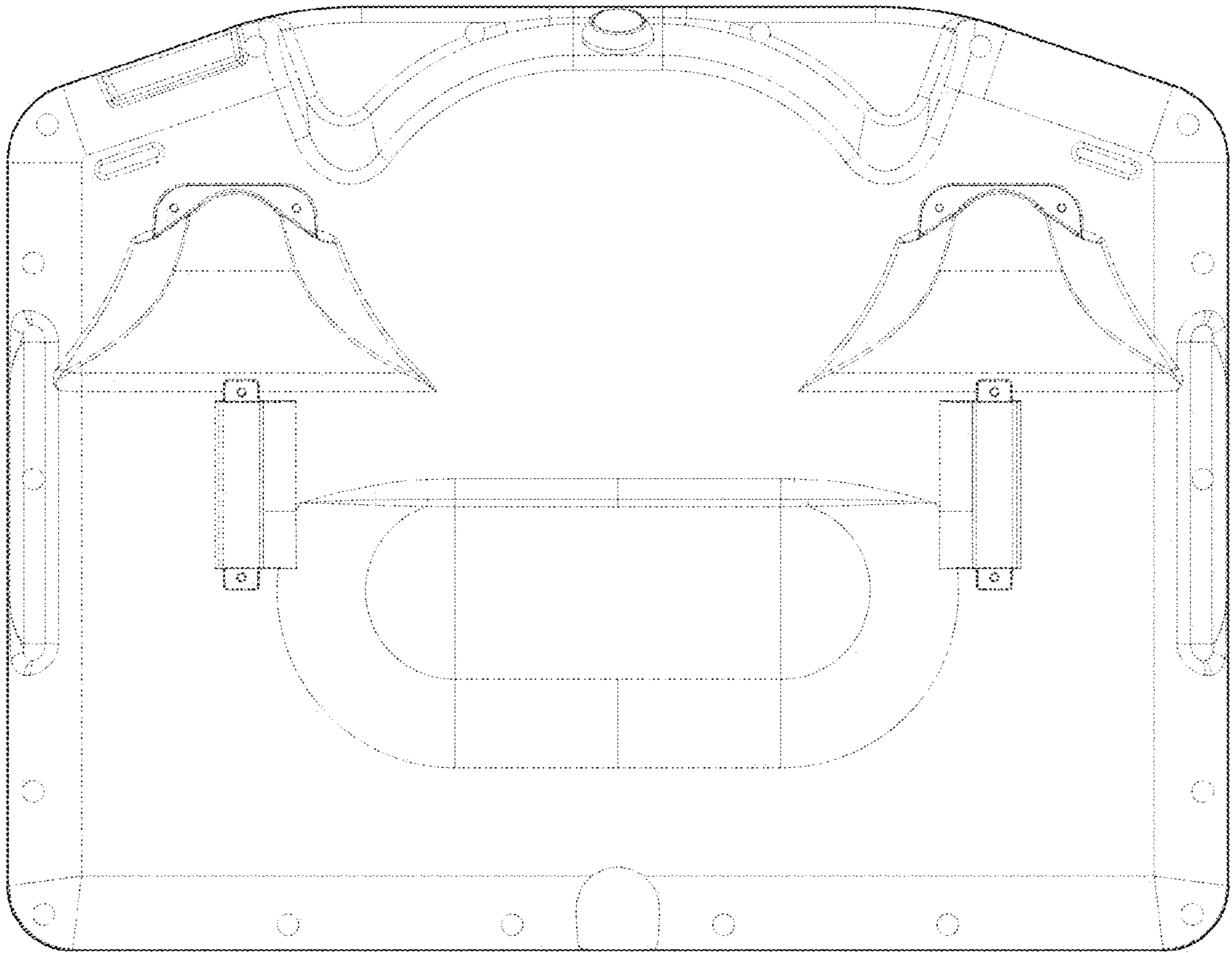


FIG. 7