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(12) United States Design Patent

Spurling

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(54) **DIALYSIS MACHINE**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/169**

(58) **Field of Classification Search**
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CPC A61M 1/16; A61M 1/1601; A61M 1/1621; A61M 1/1654; A61M 1/36; A61M 1/3693; A61M 1/3696; A61M 2209/084; A61M 2205/502; A61M 2205/505; A16B 50/10; A16B 50/13; A16B 50/15
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,774,762	A	11/1973	Lichtenstein	
4,161,264	A	7/1979	Malmgren et al.	
4,366,061	A	12/1982	Papanek et al.	
4,599,165	A	7/1986	Chevallet	
D308,249	S *	5/1990	Buckley	D24/169
4,969,991	A	11/1990	Valadez	
5,032,265	A	7/1991	Jha et al.	
5,103,211	A	4/1992	Daoud et al.	
5,252,213	A	10/1993	Ahmad et al.	
D341,890	S *	11/1993	Sievert	D24/169
D344,339	S *	2/1994	Yoshikawa	D24/169
D351,470	S *	10/1994	Scherer	D24/169
5,421,823	A	6/1995	Kamen et al.	

(Continued)

FOREIGN PATENT DOCUMENTS

DE	10024447	A1	11/2001
EP	0165751	A2	12/1985

(Continued)

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/GB2006/001671, dated Nov. 24, 2006, 13 pages.

(Continued)

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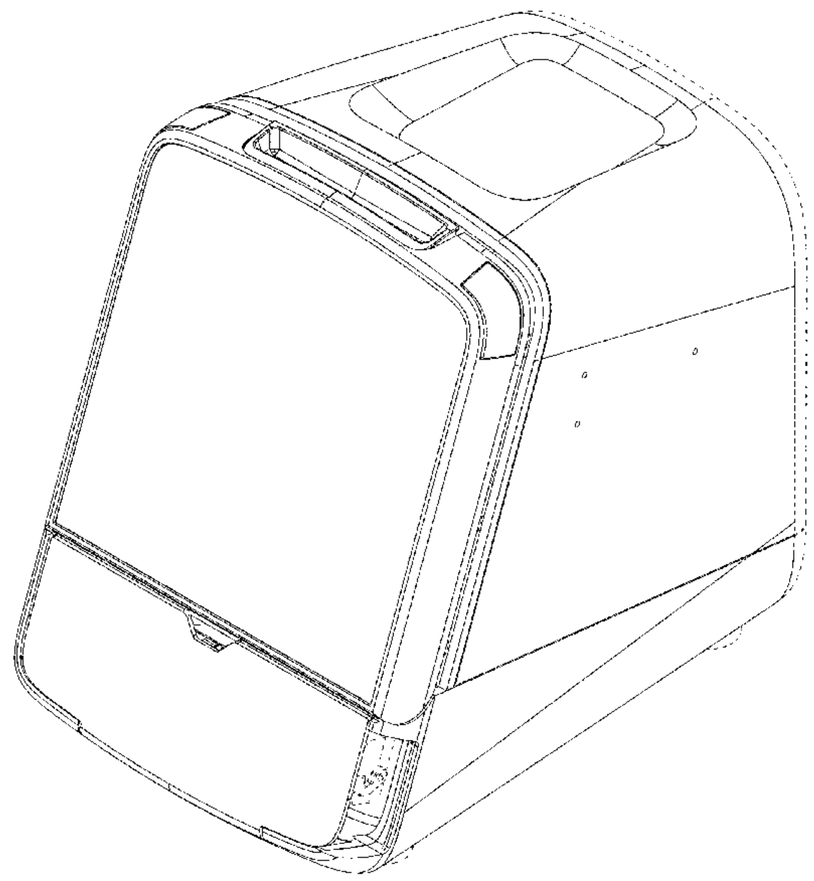
(57) **CLAIM**

The ornamental designs for a dialysis machine, as shown and described.

DESCRIPTION

FIG. **1** is a perspective of a design of a first embodiment of a dialysis machine;
FIG. **2** is a right side-view thereof;
FIG. **3** is front view thereof;
FIG. **4** is a perspective view of a second embodiment of a dialysis machine;
FIG. **5** is a right side-view thereof; and,
FIG. **6** is a front view thereof.
The broken lines contained in the figures depict portions of the dialysis machine that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D370,979	S *	6/1996	Pascale	D24/169
5,643,201	A	7/1997	Peabody et al.	
5,658,456	A	8/1997	Kenley et al.	
6,126,831	A	10/2000	Goldau et al.	
6,251,279	B1	6/2001	Peterson et al.	
6,553,347	B1	5/2003	Jhuboo et al.	
7,107,837	B2	9/2006	Lauman et al.	
7,648,627	B2	1/2010	Beden et al.	
D641,882	S *	7/2011	Hickey	D24/169
8,535,525	B2	9/2013	Heyes et al.	
D693,469	S *	11/2013	Chung	D24/169
8,685,244	B2	4/2014	Heyes et al.	
D724,740	S *	3/2015	Collins	D24/169
9,744,285	B2	8/2017	Heyes et al.	
10,456,516	B2	10/2019	Heyes et al.	
2004/0195157	A1	10/2004	Mullins et al.	
2004/0206703	A1	10/2004	Bosetto et al.	
2004/0223857	A1	11/2004	Kline	
2005/0020961	A1	1/2005	Burbank et al.	
2005/0209547	A1	9/2005	Burbank et al.	
2005/0234384	A1	10/2005	Westberg	
2009/0007642	A1	1/2009	Busby et al.	
2009/0009290	A1	1/2009	Kneip et al.	
2009/0012452	A1	1/2009	Slepicka et al.	
2009/0012457	A1	1/2009	Childers et al.	
2009/0211975	A1	8/2009	Brugger et al.	
2009/0230043	A1	9/2009	Heyes et al.	
2010/0089807	A1	4/2010	Heyes et al.	
2011/0132838	A1	6/2011	Curtis et al.	
2013/0056419	A1	3/2013	Curtis	
2014/0224736	A1	8/2014	Heide	
2014/0251885	A1	9/2014	Heyes	
2015/0129481	A1 *	5/2015	Higgitt	A61M 1/16 210/321.6
2015/0238673	A1	8/2015	Gerber et al.	
2015/0258263	A1	9/2015	Hogard	
2015/0359954	A1	12/2015	Gerber et al.	
2017/0252498	A1	9/2017	Heyes et al.	
2018/0133391	A1	5/2018	Heyes et al.	
2018/0154059	A1	6/2018	Heyes et al.	
2018/0344915	A1	12/2018	Wallace	
2019/0001042	A1	1/2019	Buckberry	
2019/0015577	A1 *	1/2019	Garrido	A61M 1/14
2019/0024654	A1	1/2019	May et al.	

FOREIGN PATENT DOCUMENTS

EP	2219703	A1	8/2010
EP	2955512	A1	12/2015
JP	H04266740		9/1992
JP	H06261872		9/1994
JP	2000/130334		5/2000
WO	WO 81/01800		7/1981
WO	WO 95/06205		3/1995
WO	WO 95/25893		9/1995
WO	WO 2000/006217		2/2000
WO	WO 2003/101510		12/2003
WO	WO 2006/120415		11/2006
WO	WO 2006/120417		11/2006
WO	WO 2009/061608		5/2009
WO	WO 2013/057109		4/2013
WO	WO 2013/110906		8/2013
WO	WO 2013/110919		8/2013
WO	WO 2013/114063		8/2013
WO	WO 2014/072195		5/2014
WO	WO 2014/155121		10/2014
WO	WO 2015/007596		1/2015
WO	WO 2015/022537		2/2015
WO	WO 2016/016870		2/2016

OTHER PUBLICATIONS

International Search Report and Written Opinion for International Application No. PCT/GB2006/001668, dated Sep. 5, 2006, 8 pages.
International Preliminary Report on Patentability for International Application No. PCT/GB2006/001668, dated Nov. 6, 2007, 6 pages.
Office Action for Australian Application No. 2012244377, dated Mar. 14, 2013, 3 pages.
Office Action for European Application No. 06727035.5, dated Feb. 15, 2013, 4 pages.

* cited by examiner

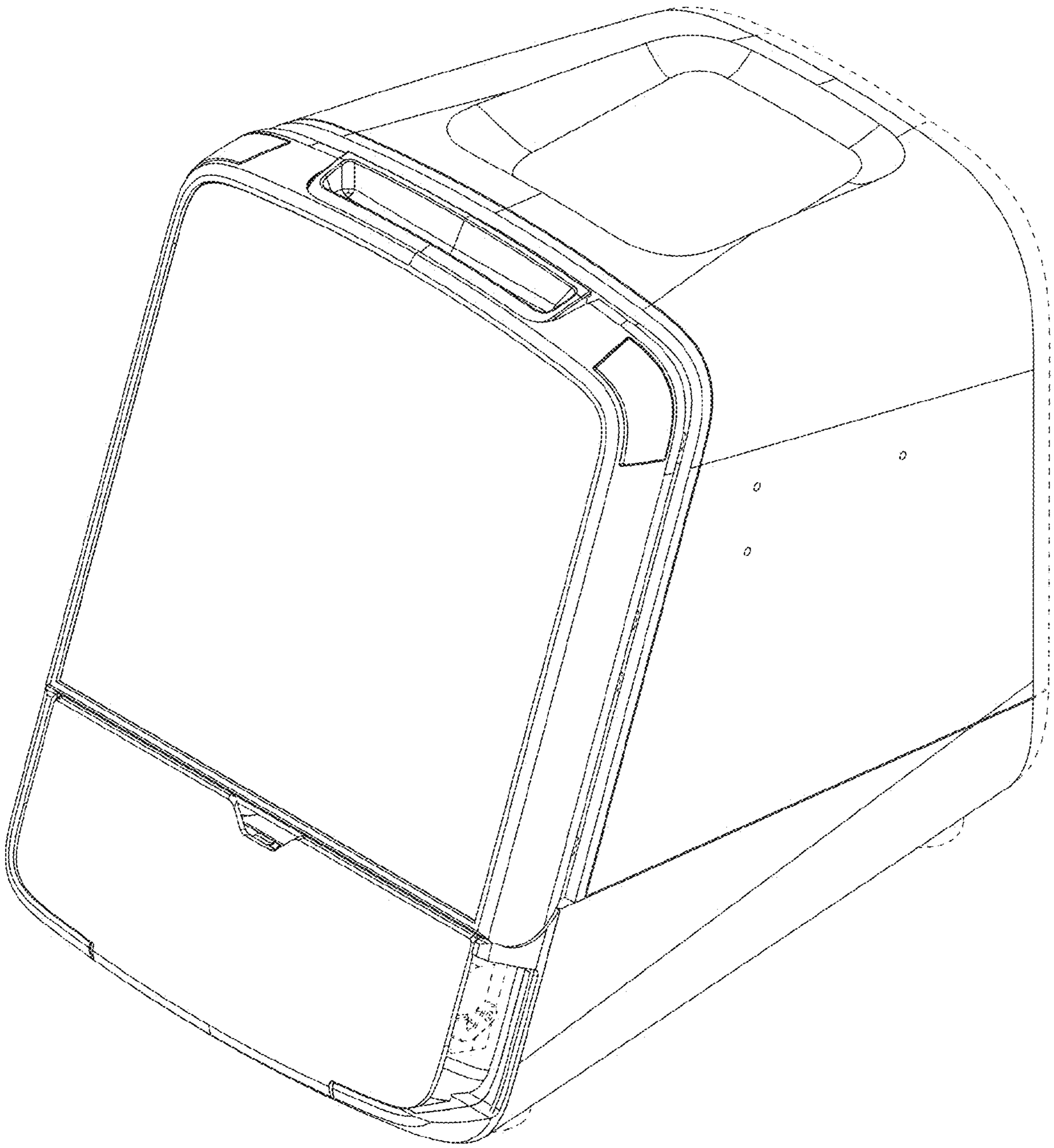


FIG. 1

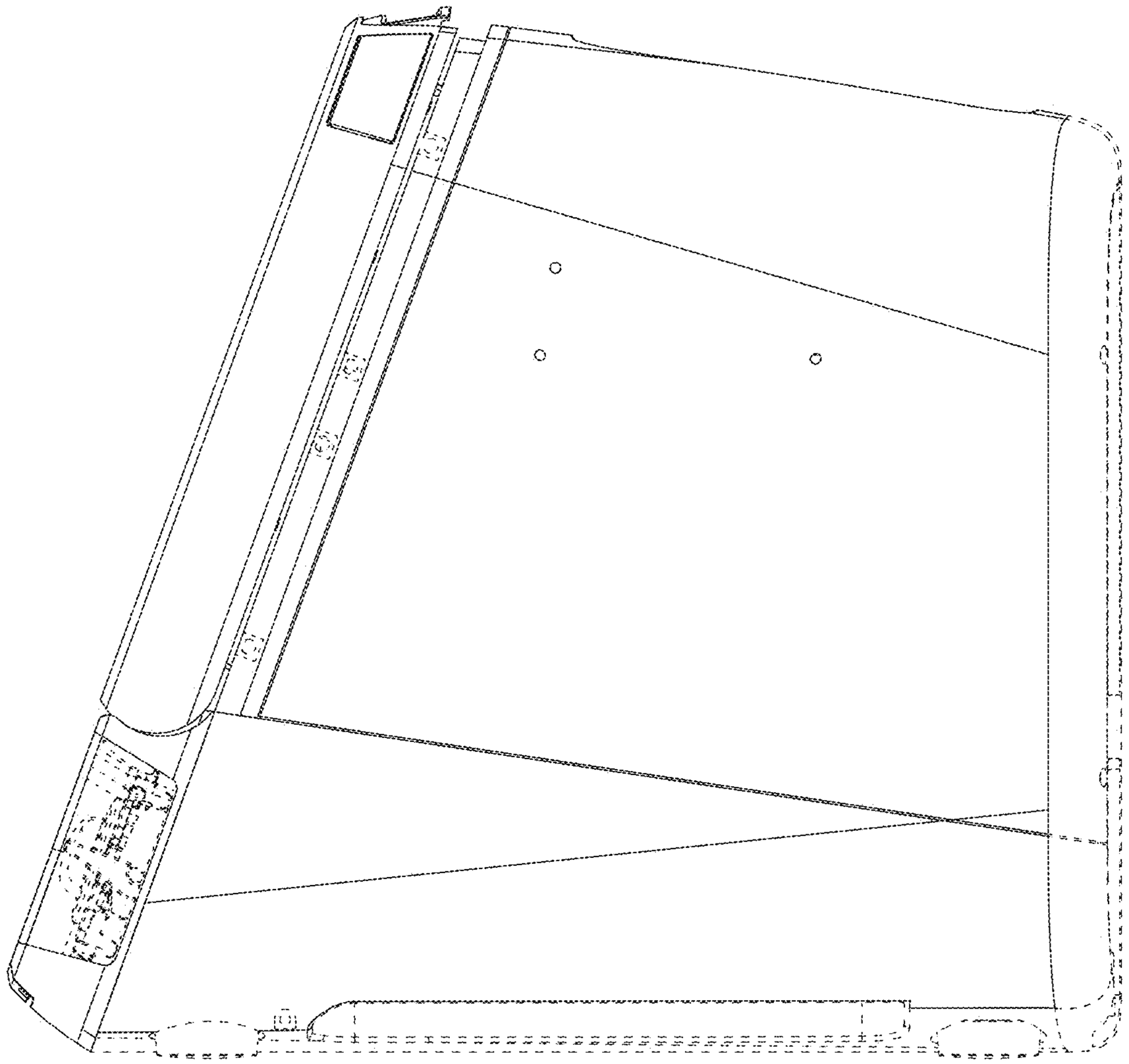


FIG. 2

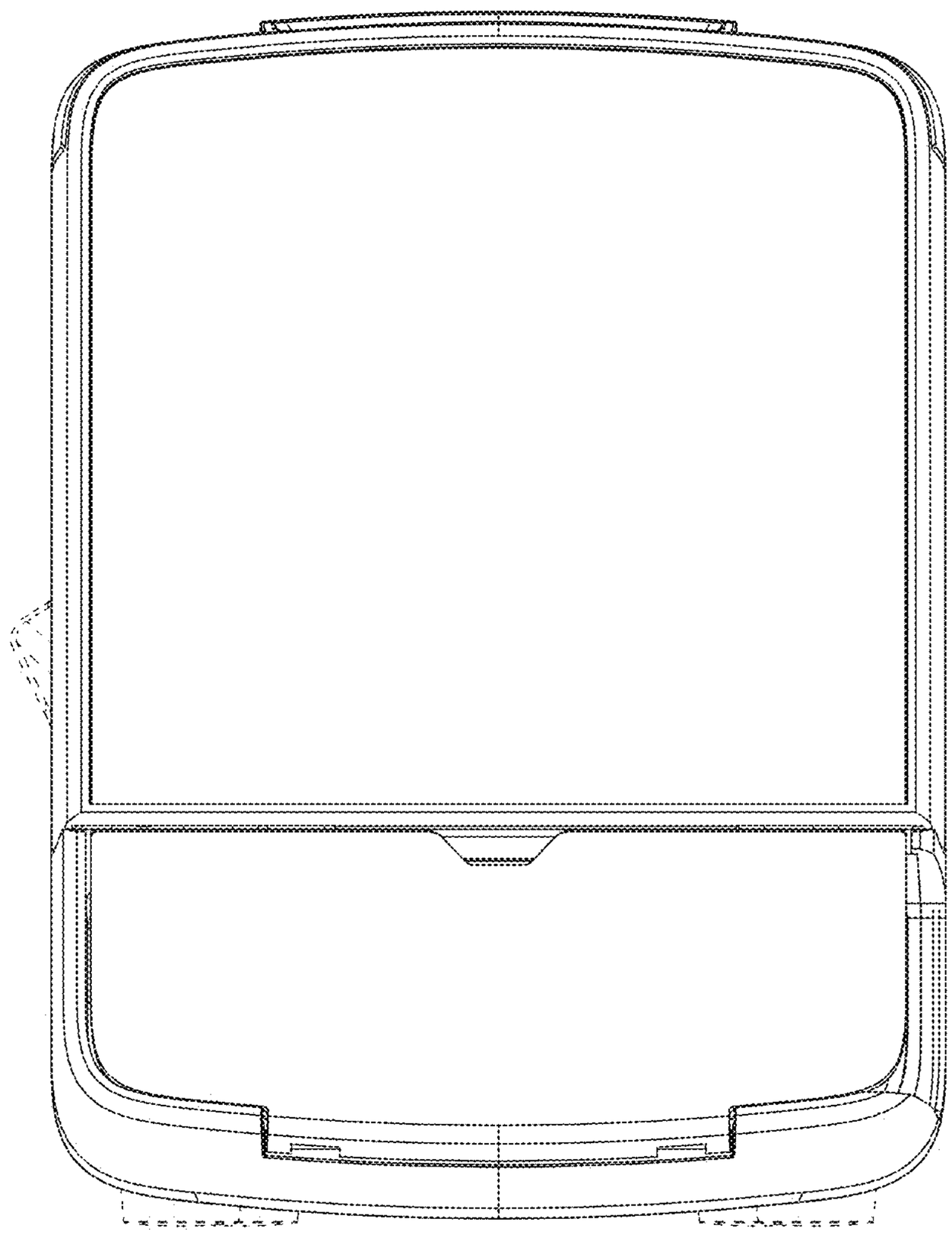


FIG. 3

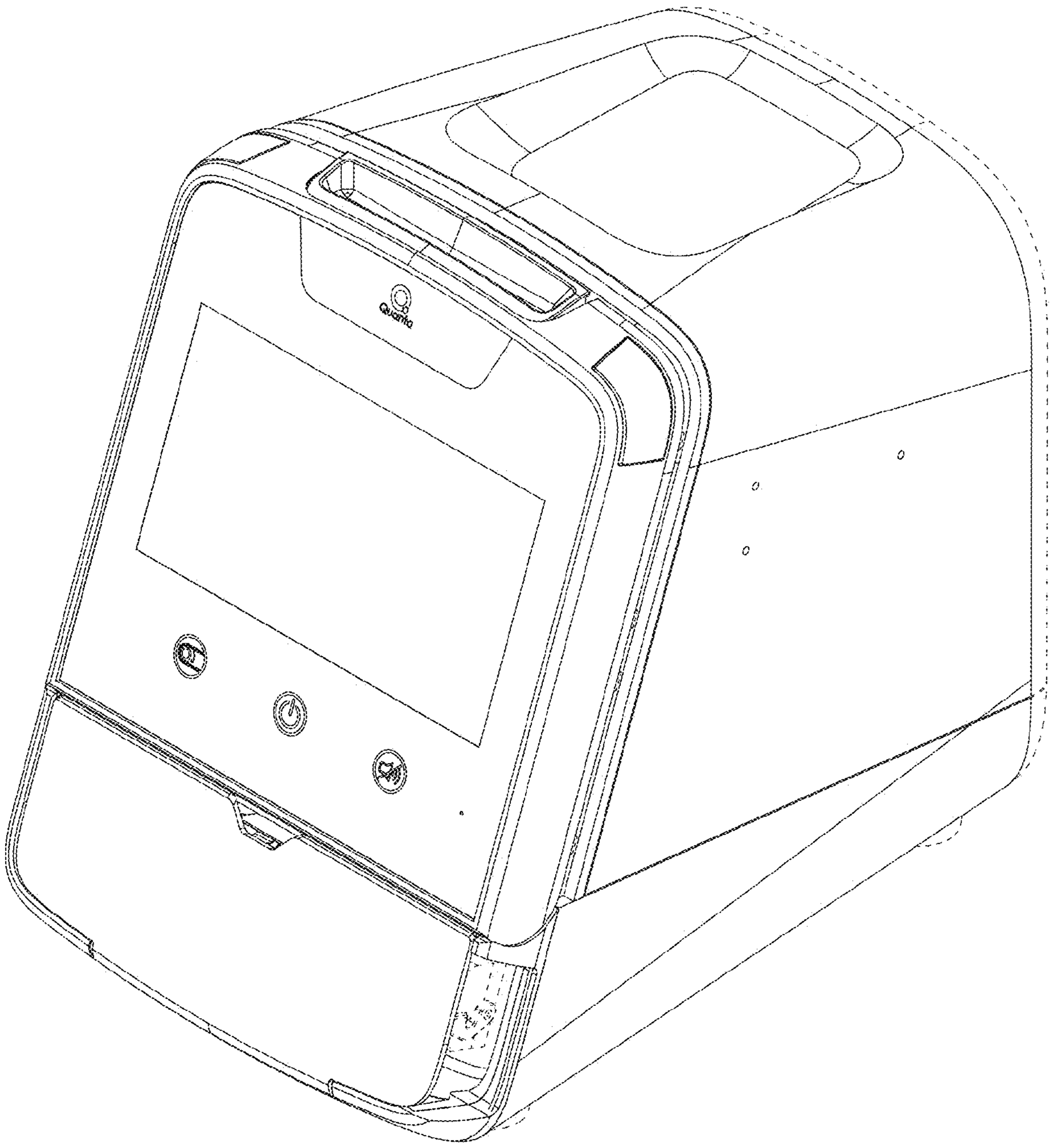


FIG. 4

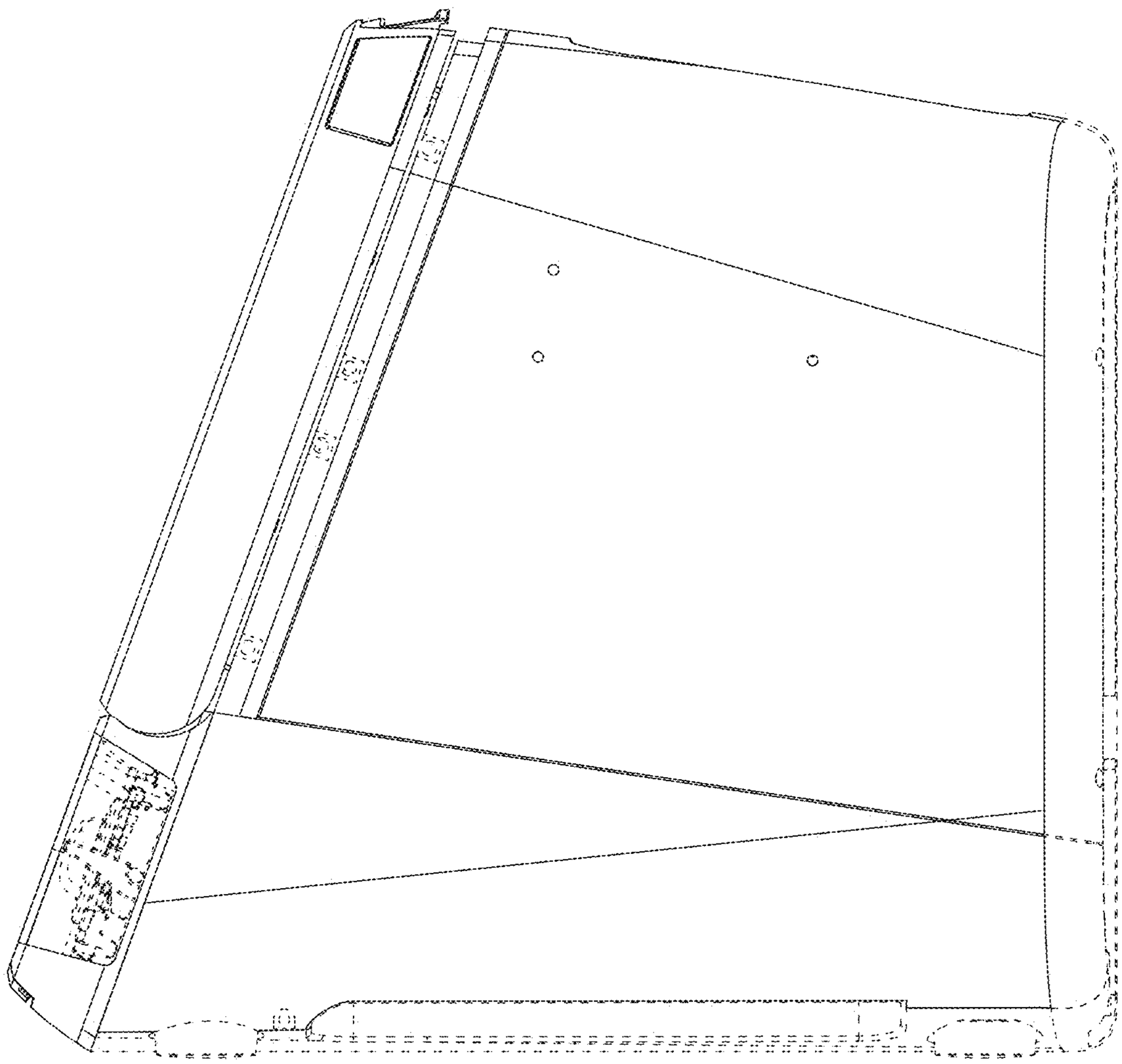


FIG. 5

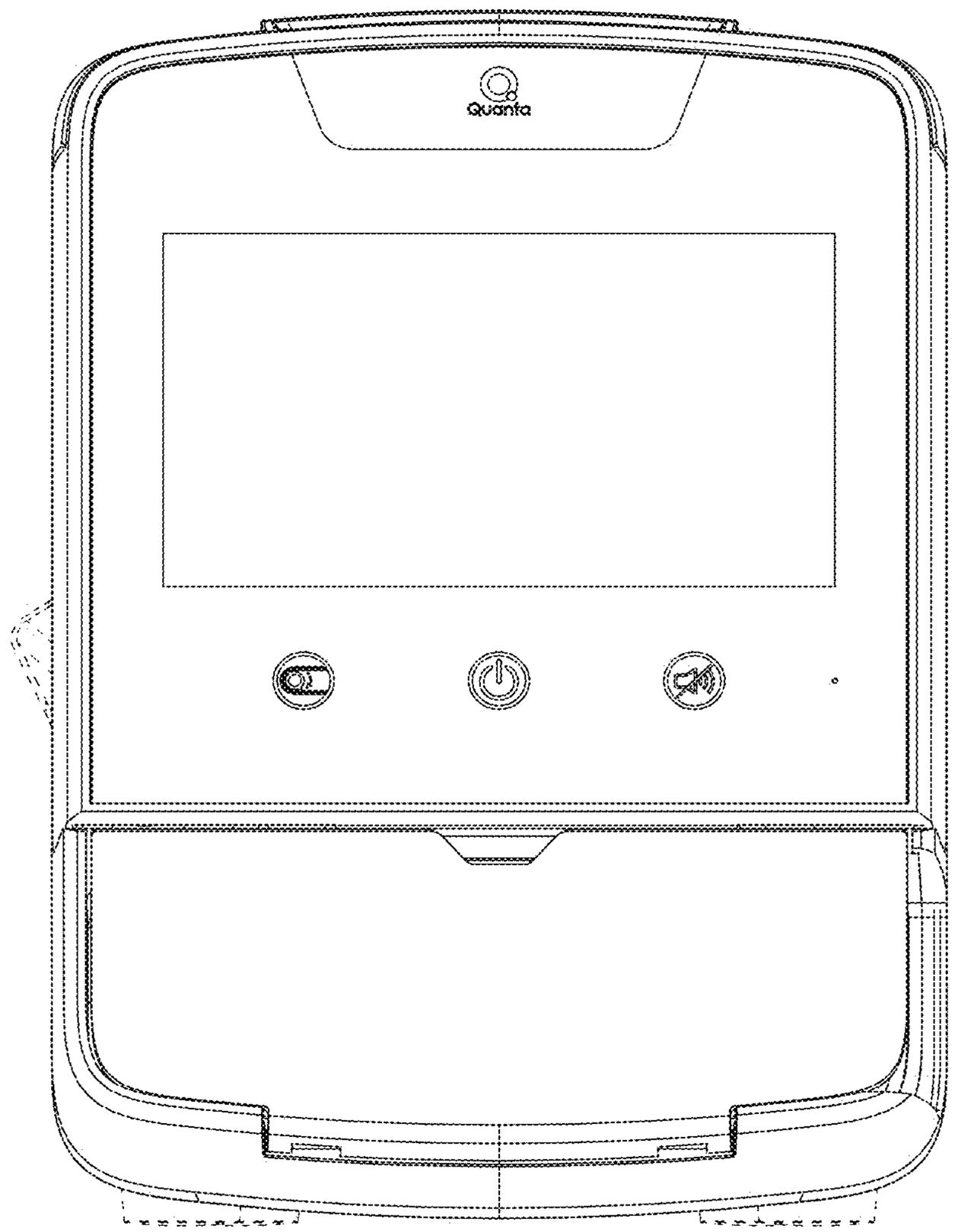


FIG. 6