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(12) **United States Design Patent**
Kwak et al.

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(54) **CONNECTING DEVICE FOR WIRELESS COMMUNICATIONS**

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

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(51) **LOC (12) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/240**

(58) **Field of Classification Search**
USPC D14/240, 242
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D351,841 S *	10/1994	Blankenship	.....	D14/242
D359,287 S *	6/1995	Heberling	.....	D14/242
D377,339 S *	1/1997	Beruscha	.....	D10/75
D377,652 S *	1/1997	Sarkiniemi	.....	D13/184
D380,199 S *	6/1997	Beruscha	.....	D10/75
D384,672 S *	10/1997	Heberling	.....	D14/242
D385,559 S *	10/1997	Conrado	.....	D14/137
D392,644 S *	3/1998	McGugan	.....	D13/184
D407,708 S *	4/1999	Nagele	.....	D13/103
D429,238 S *	8/2000	Kolinen	.....	D14/240

D463,417 S *	9/2002	Chan	.....	D14/242
D501,643 S *	2/2005	Strand	.....	D10/104.1
D548,629 S	8/2007	Rhine et al.		
D615,033 S *	5/2010	Baker	.....	D13/107

(Continued)

FOREIGN PATENT DOCUMENTS

KR	300999625.0000	*	3/2019
KR	300999626.0000	*	3/2019

OTHER PUBLICATIONS

Facebook's Terragraph and ARIES antennas bring Internet to underserved areas. TechCrunch [online]. pp. 1-9 [retrieved on Jan. 23, 2018]. Retrieved from the Internet: <URL: <https://techcrunch.com/2016/04/13/terragraph/>>.

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(57) **CLAIM**

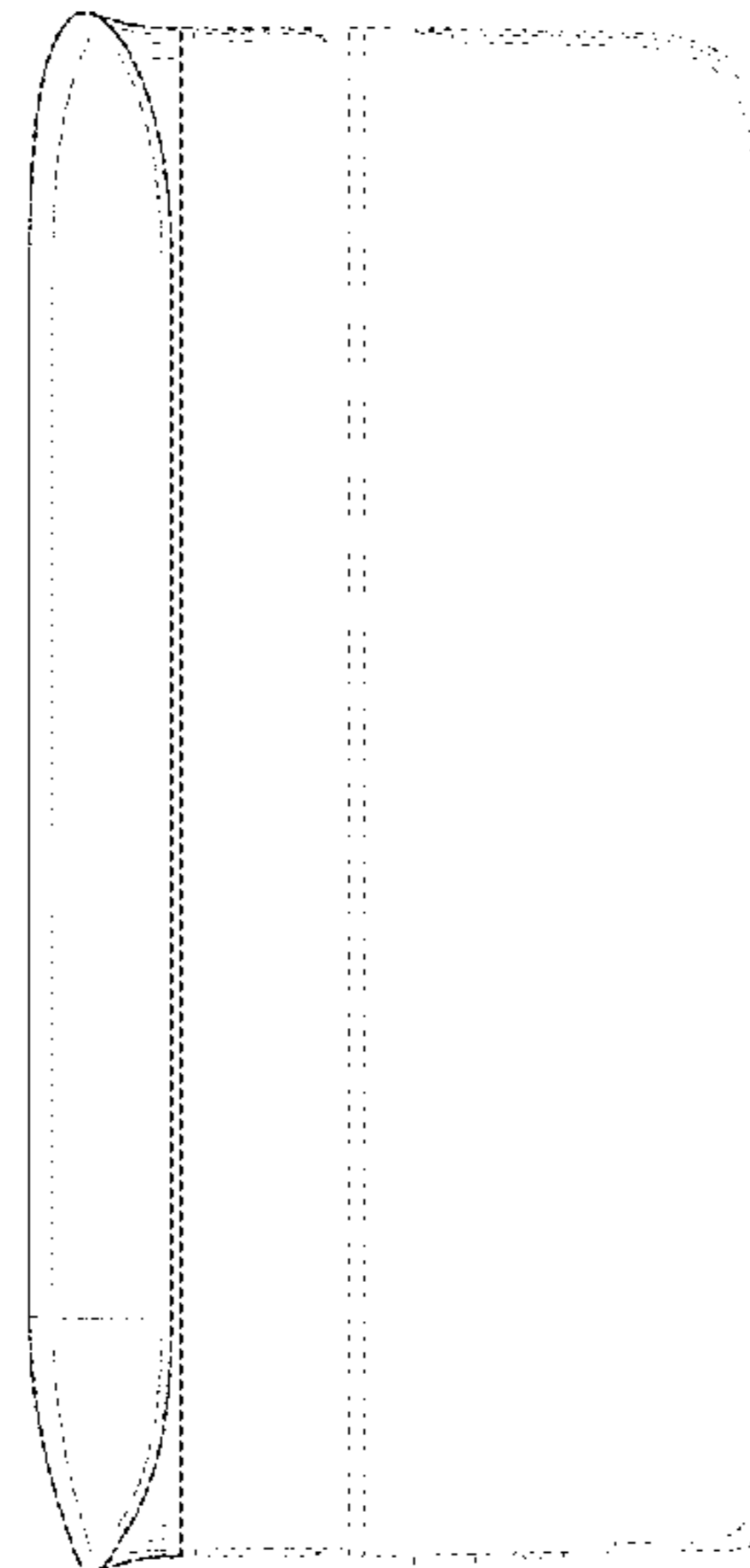
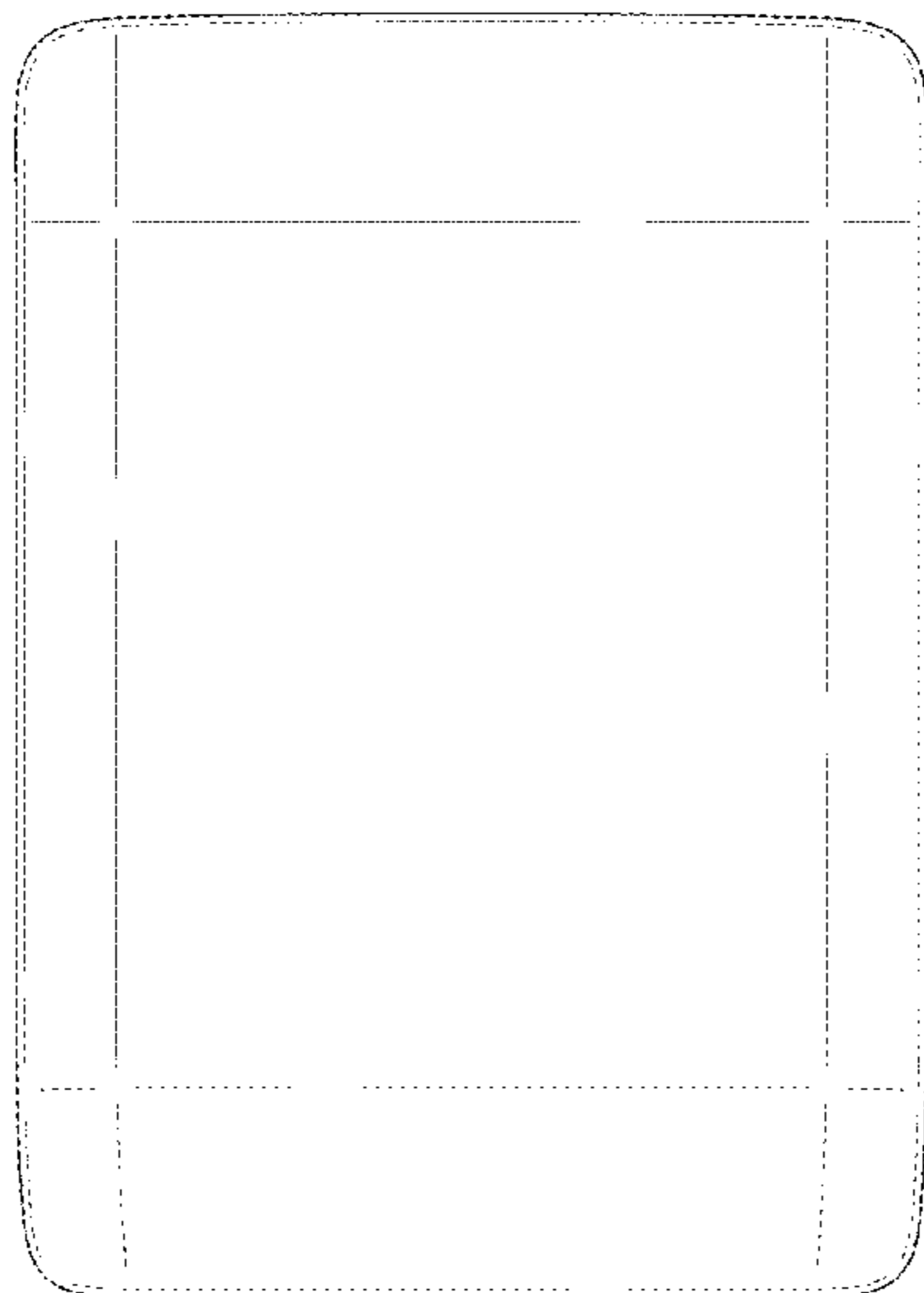
The ornamental design for a connecting device for wireless communications, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a connecting device for wireless communications, showing our new design; FIG. 2 is a front view thereof; FIG. 3 is a rear view thereof; FIG. 4 is a left-side view thereof; FIG. 5 is a right-side view thereof; FIG. 6 is a top view thereof; and, FIG. 7 is a bottom view thereof.

The broken lines showing the remainder of the device are directed to environment and are for illustrative purposes only; the broken lines form no part of the claimed design. In addition, the unshaded surfaces between the solid line edges and broken lines in FIGS. 1 and 3-7 form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D628,573	S	*	12/2010	Wang	.....	D14/356
D662,472	S	*	6/2012	Tien	.....	D13/110
D687,424	S		8/2013	Petersen et al.		
D697,501	S	*	1/2014	Fargeau	.....	D14/240
D698,340	S	*	1/2014	Petersen	.....	D14/240
D736,193	S	*	8/2015	Kwak	.....	D14/240
D774,003	S	*	12/2016	Lee	.....	D13/156
D784,969	S	*	4/2017	MacManus	.....	D14/240
D789,338	S	*	6/2017	Moon	.....	D14/240
D811,378	S	*	2/2018	Jeon	.....	D14/242
D813,212	S	*	3/2018	Nangeroni	.....	D14/240
D832,253	S	*	10/2018	Delibie	.....	D14/358
2017/0111076	A1	*	4/2017	Choi	.....	H04M 1/185
2017/0324302	A1	*	11/2017	Jorgensen	.....	H02K 7/063

* cited by examiner

FIG.1

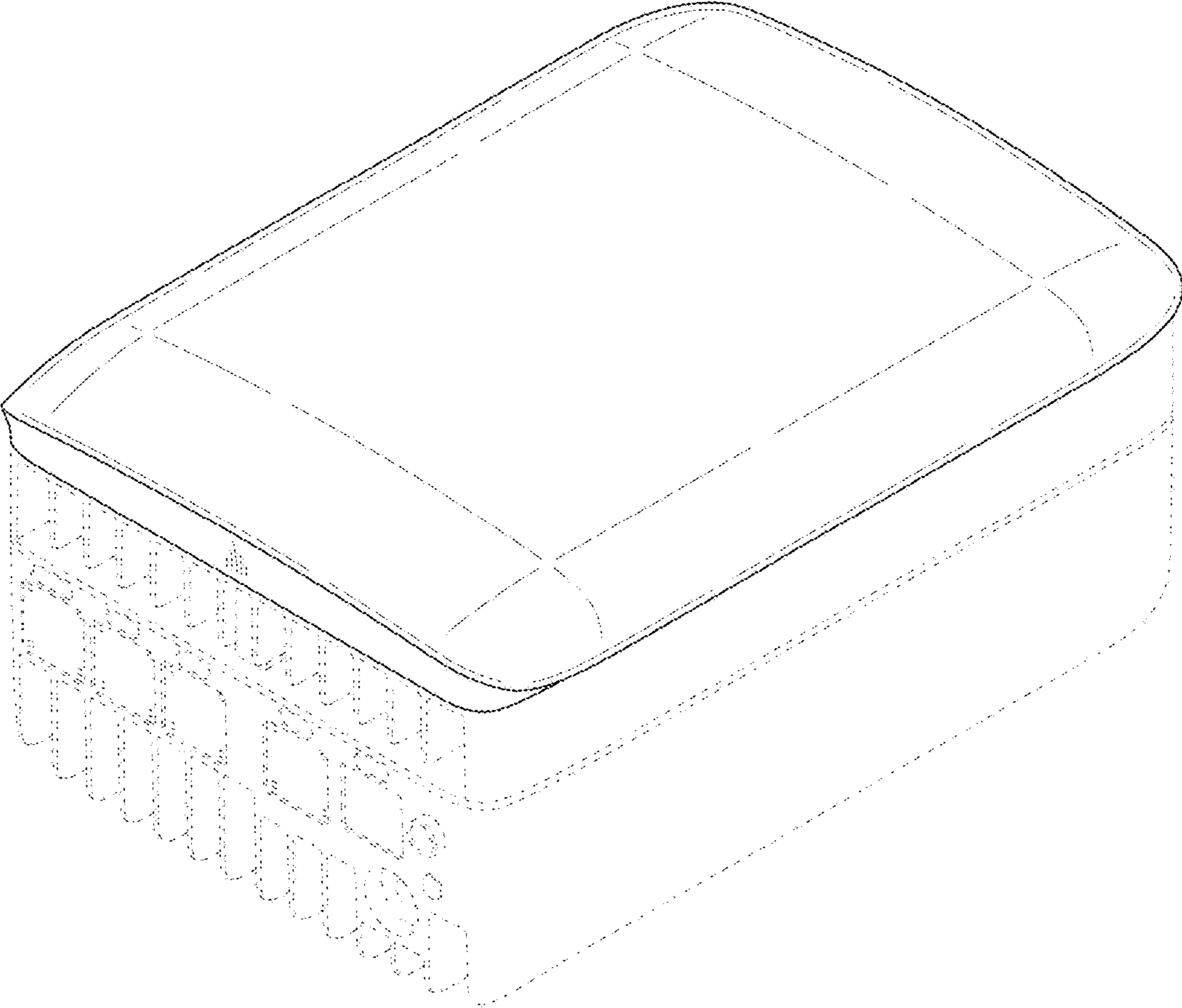


FIG.2

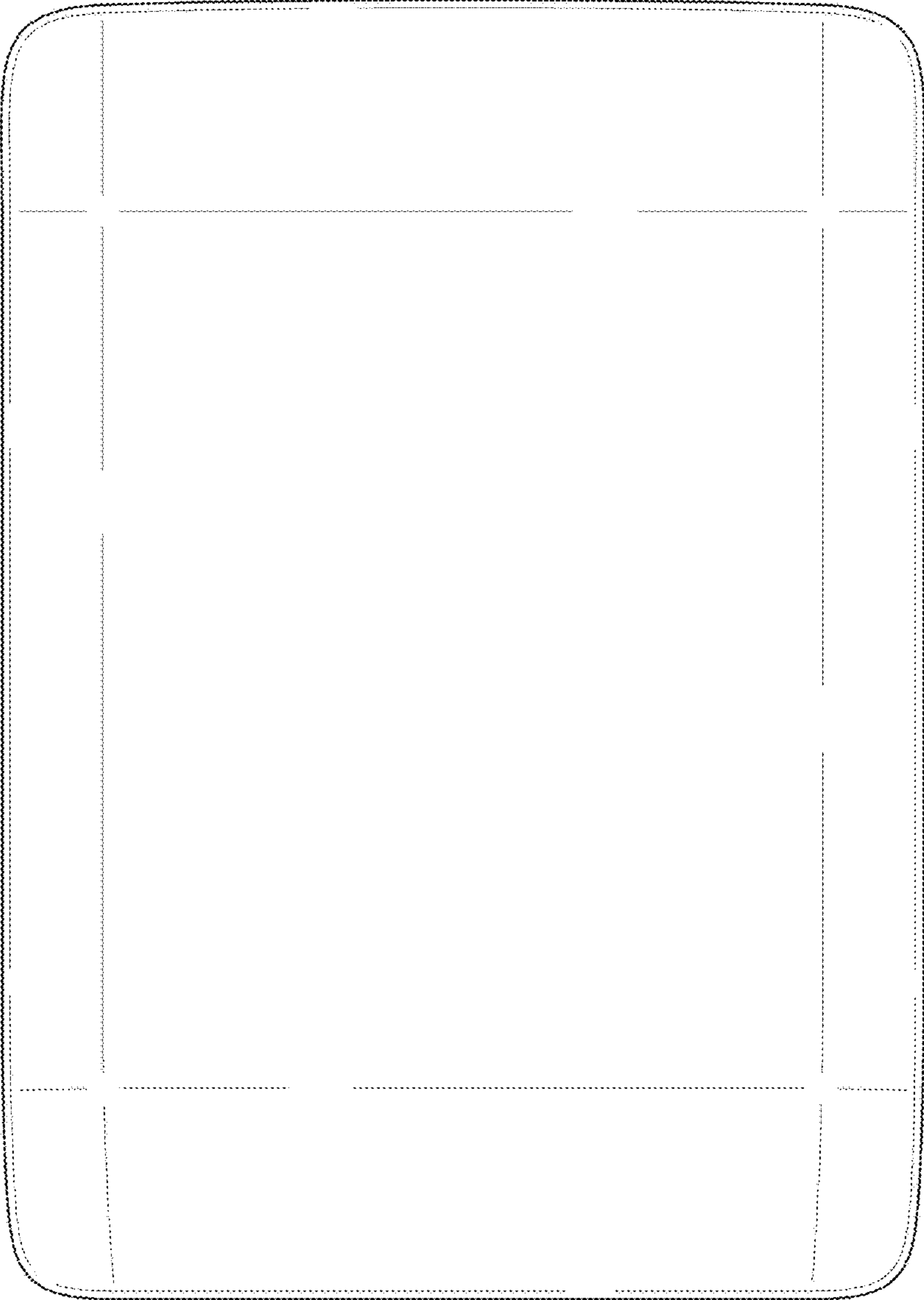


FIG.3

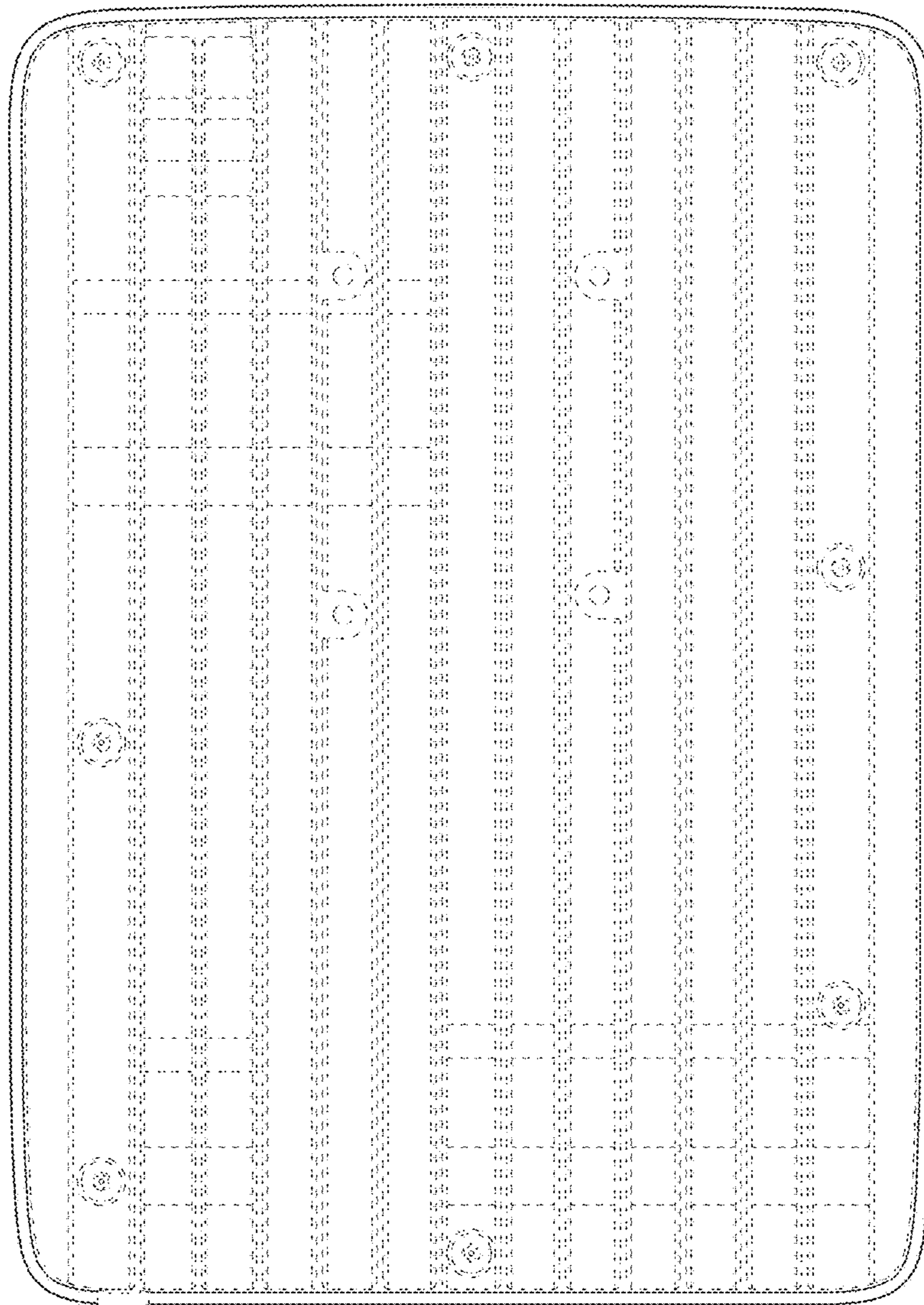


FIG.4

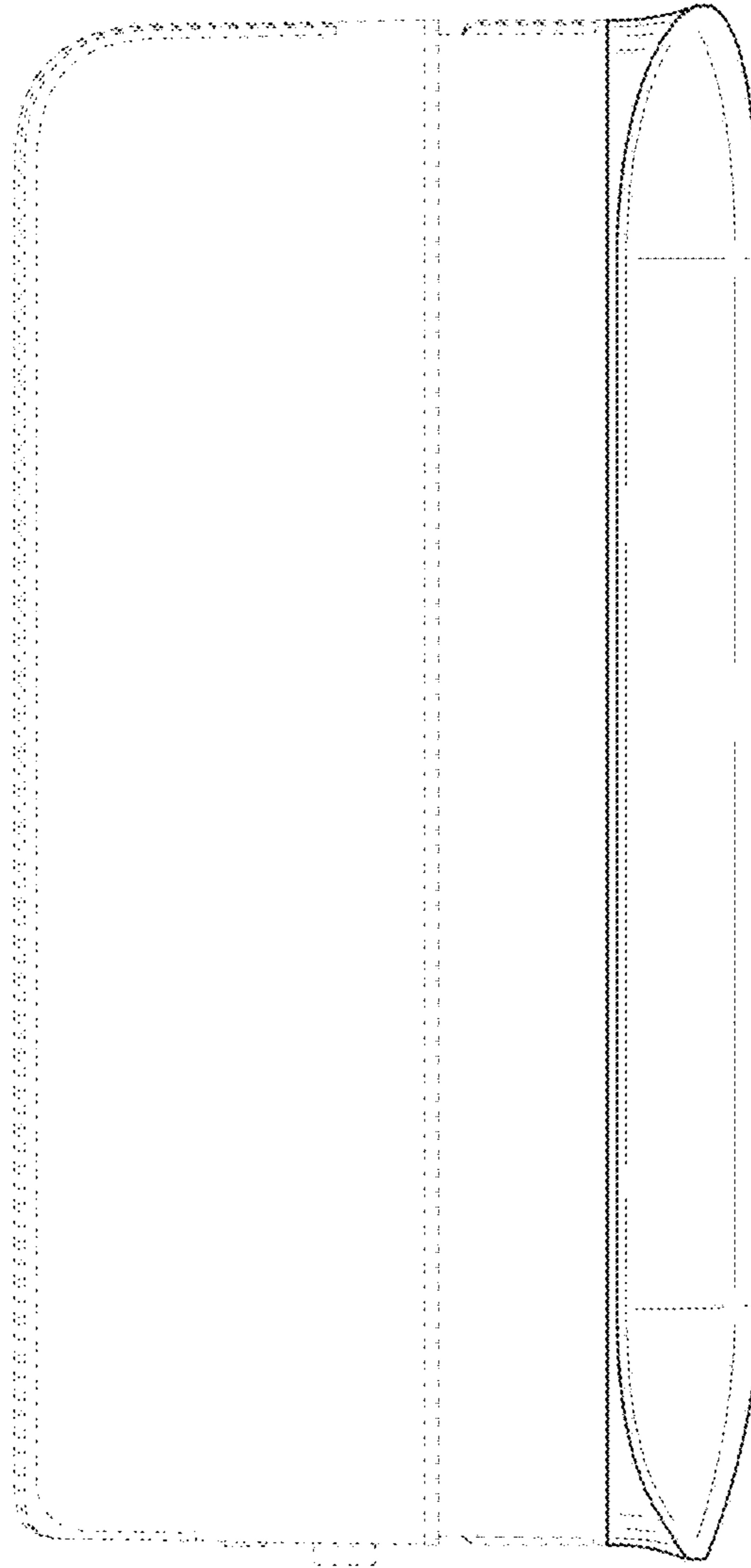


FIG.5

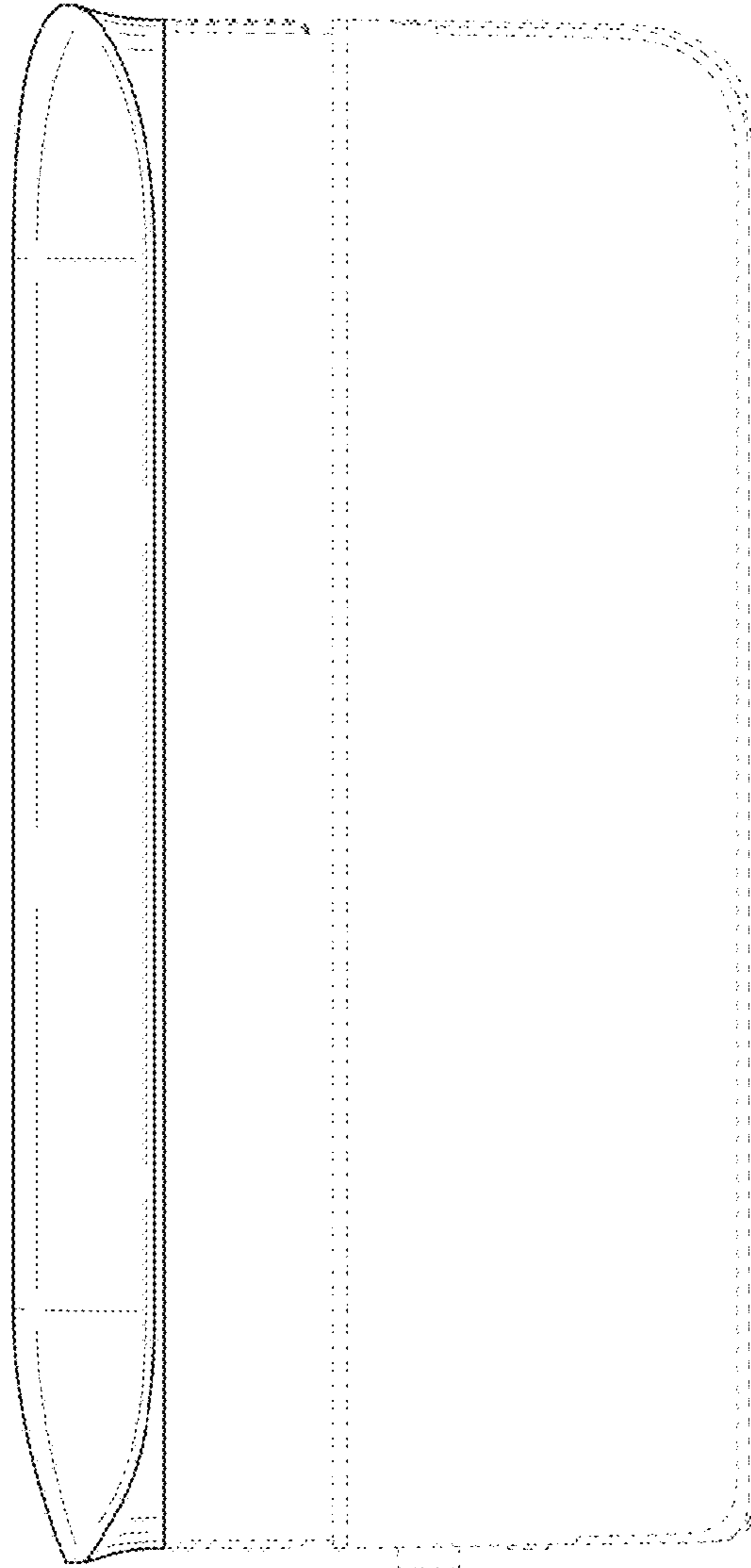


FIG.6

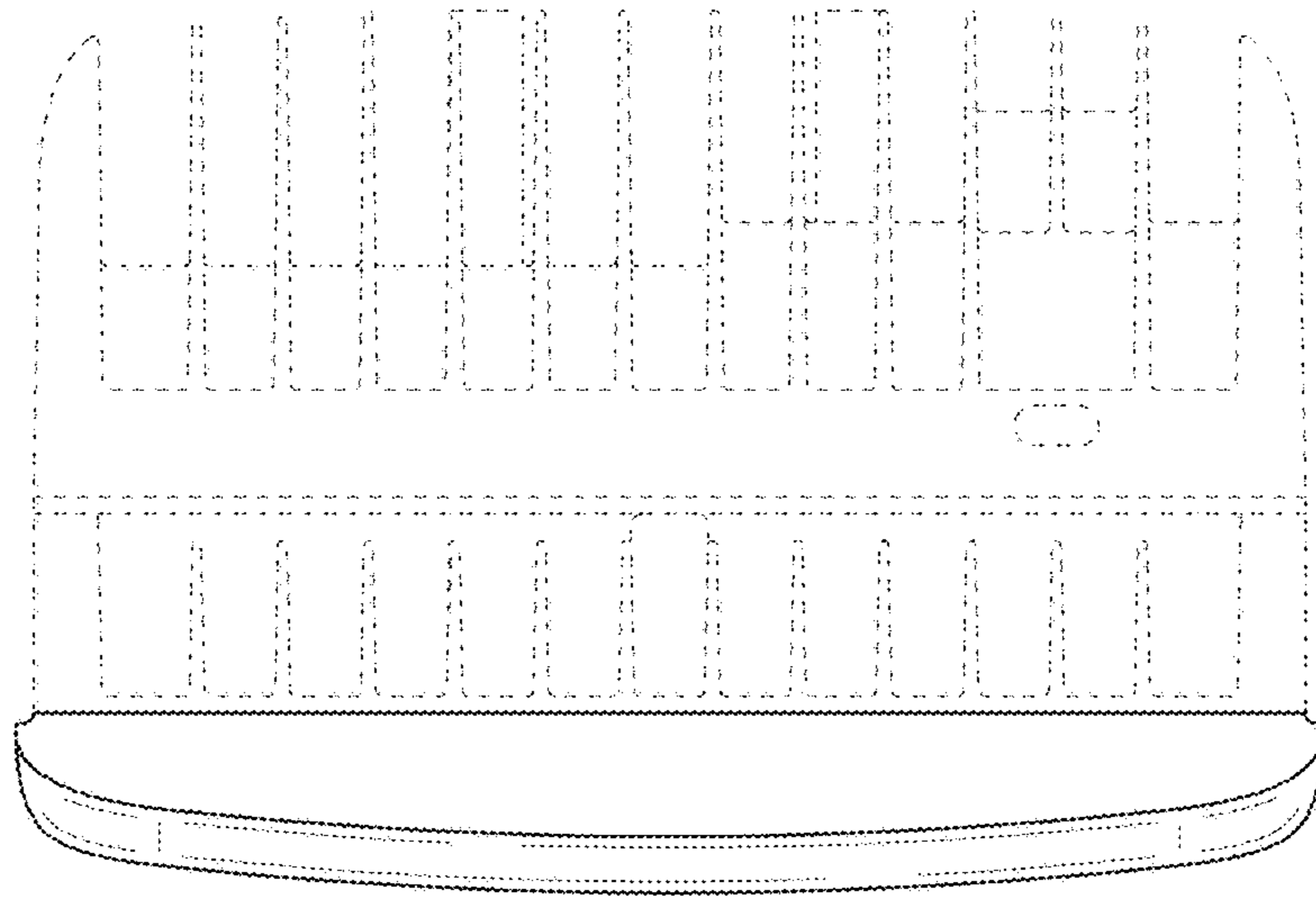


FIG.7

