



US00D814455S

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

(10) **Patent No.:** **US D814,455 S**  
(45) **Date of Patent:** **\*\* Apr. 3, 2018**

(54) **FLEXIBLE ELECTRONIC DEVICE**

D603,363 S \* 11/2009 Choi ..... D14/138 AB  
8,194,399 B2 \* 6/2012 Ashcraft ..... G06F 1/1626  
257/59  
8,306,575 B2 \* 11/2012 Kubodera ..... H04M 1/022  
379/428.01

(71) Applicant: **LENOVO (BEIJING) CO., LTD.**,  
Beijing (CN)

(72) Inventor: **Jincherl Kwon**, Beijing (CN)

(73) Assignee: **LENOVO (BEIJING) CO., LTD.**,  
Beijing (CN)

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

(21) Appl. No.: **29/562,438**

(22) Filed: **Apr. 26, 2016**

(30) **Foreign Application Priority Data**

Oct. 26, 2015 (CN) ..... 2015 3 0416847

(51) **LOC (11) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D14/341**; D14/138 AB

(58) **Field of Classification Search**  
USPC ..... D14/138 G, 138 AB, 138 AD, 138 C,  
D14/138 AC, 138 R, 138 AA, 203.7,  
D14/203.3, 203.1, 248, 250, 341, 496  
CPC .... G06F 1/1626; G06F 1/1652; H04M 1/027;  
H04M 1/0202; H04M 1/0279; H04M  
1/0235; H04M 1/0237; H04M 1/0239;  
H04M 1/0266; H04M 1/0268; H04M  
1/029; H05K 5/0217

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D468,279 S \* 1/2003 Kim ..... D14/138 AB  
D576,601 S \* 9/2008 Yasuda ..... D14/138 AB  
D588,126 S \* 3/2009 Chiang ..... D14/345  
D589,923 S \* 4/2009 Kim ..... D14/138 AB  
D597,059 S \* 7/2009 Haspil ..... D14/147

(Continued)

*Primary Examiner* — Sheryl Lane

*Assistant Examiner* — Calvin E Vansant

(74) *Attorney, Agent, or Firm* — Oppedahl Patent Law  
Firm LLC

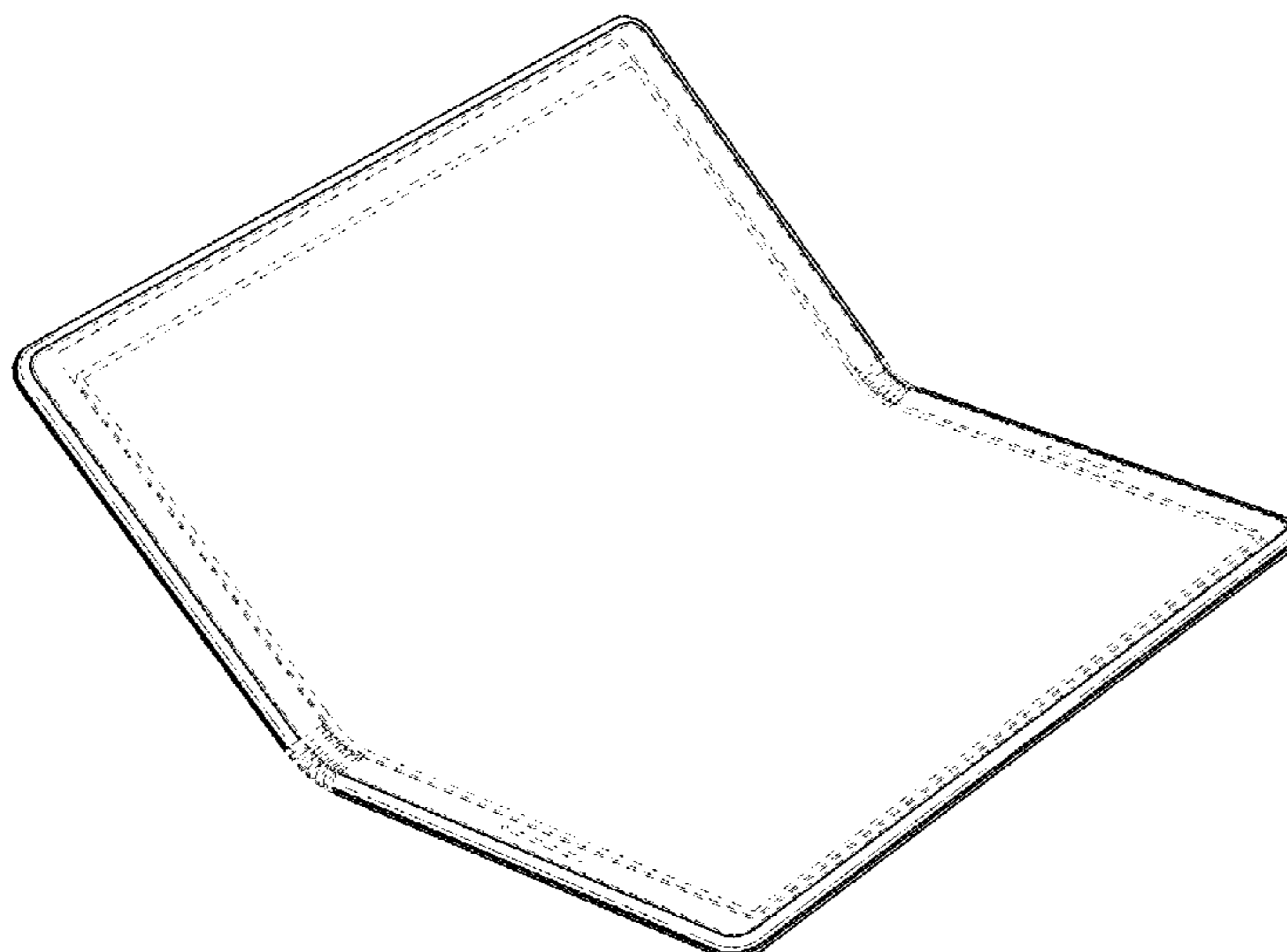
(57) **CLAIM**

The ornamental design for a flexible electronic device, as  
shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a flexible electronic device  
showing the new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a back 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;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a perspective view of the new design shown in a  
first bending position;  
FIG. 9 is a left side view of the new design shown in a  
second bending position;  
FIG. 10 is a top view of FIG. 9;  
FIG. 11 is a bottom view of FIG. 9;  
FIG. 12 is a perspective view of FIG. 9;  
FIG. 13 is a perspective view of the new design shown in a  
third bending position;  
FIG. 14 is a left side view of the new design shown in a  
fourth bending position;  
FIG. 15 is a top view of FIG. 14;  
FIG. 16 is a bottom view of FIG. 14; and,  
FIG. 17 is a perspective view of FIG. 14.  
The features shown in broken lines in the drawings depict  
environmental subject matter and form no part of the  
claimed design.

**1 Claim, 9 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D681,000 S \* 4/2013 Koh ..... D14/203.4  
 D681,055 S \* 4/2013 Koh ..... D14/496  
 D697,044 S \* 1/2014 Zhang ..... D14/138 G  
 D709,487 S \* 7/2014 Kang ..... D14/250  
 D713,841 S \* 9/2014 Lim ..... D14/341  
 8,837,126 B2 \* 9/2014 Cho ..... G06F 1/1601  
 361/679.01  
 D715,758 S \* 10/2014 Yun ..... D14/138 R  
 D715,759 S \* 10/2014 Choi ..... D14/138 AB  
 D716,246 S \* 10/2014 Yun ..... D14/138 R  
 D716,247 S \* 10/2014 Yun ..... D10/32  
 D716,751 S \* 11/2014 Lee ..... D14/138 AB  
 D719,540 S \* 12/2014 Lee ..... D14/138 AB  
 D723,489 S \* 3/2015 Song ..... D14/138 G  
 D726,673 S \* 4/2015 Lee ..... D14/138 G  
 9,013,864 B2 \* 4/2015 Griffin ..... H04M 1/0216  
 16/382  
 9,069,521 B2 \* 6/2015 Lee ..... G06F 1/16  
 9,173,287 B1 \* 10/2015 Kim ..... H05K 1/028  
 D744,448 S \* 12/2015 Im ..... D14/138 AA  
 D744,992 S \* 12/2015 Lee ..... D14/248  
 D745,001 S \* 12/2015 Cho ..... D14/341  
 D746,285 S \* 12/2015 Okabe ..... D14/345  
 D749,571 S \* 2/2016 Park ..... D14/203.4  
 D749,573 S \* 2/2016 Park ..... D14/203.4  
 D749,574 S \* 2/2016 Park ..... D14/203.4  
 D749,575 S \* 2/2016 Park ..... D14/203.4  
 D749,576 S \* 2/2016 Park ..... D14/203.4  
 D764,431 S \* 8/2016 Hibi ..... D14/138 G  
 D767,526 S \* 9/2016 Lee ..... D14/138 AB  
 D772,225 S \* 11/2016 Kim ..... D14/341  
 D775,095 S \* 12/2016 Kim ..... D14/138 G  
 D775,597 S \* 1/2017 Kim ..... D14/138 G  
 D776,073 S \* 1/2017 Kim ..... D14/138 G  
 D777,129 S \* 1/2017 Xu ..... D14/138 G  
 D778,862 S \* 2/2017 Hibi ..... D14/138 G  
 D788,726 S \* 6/2017 Lee ..... D14/138 AB  
 D788,734 S \* 6/2017 Park ..... D14/138 AB  
 D788,735 S \* 6/2017 Daniel ..... D14/138 G  
 9,710,021 B2 \* 7/2017 Kauhaniemi ..... G06F 1/1652  
 D800,112 S \* 10/2017 Park ..... D14/138 AB

2006/0105824 A1 \* 5/2006 Kim ..... H04M 1/0214  
 455/575.8  
 2012/0314399 A1 \* 12/2012 Bohn ..... G06F 1/1616  
 362/97.1  
 2013/0216740 A1 \* 8/2013 Russell-Clarke ..... B23K 26/38  
 428/33  
 2013/0321340 A1 \* 12/2013 Seo ..... G06F 1/1641  
 345/174  
 2014/0198036 A1 \* 7/2014 Kim ..... G06F 1/1652  
 345/156  
 2014/0226275 A1 \* 8/2014 Ko ..... G06F 1/1626  
 361/679.27  
 2014/0255899 A1 \* 9/2014 Poullain ..... G06F 1/1616  
 434/351  
 2014/0285476 A1 \* 9/2014 Cho ..... G06F 1/1601  
 345/204  
 2014/0319550 A1 \* 10/2014 Yamazaki ..... H01L 51/5237  
 257/88  
 2014/0353613 A1 \* 12/2014 Cheon ..... H01L 51/0097  
 257/40  
 2015/0055287 A1 \* 2/2015 Seo ..... G06F 1/1652  
 361/679.27  
 2015/0131222 A1 \* 5/2015 Kauhaniemi ..... G06F 1/1652  
 361/679.27  
 2015/0153778 A1 \* 6/2015 Jung ..... G06F 1/1677  
 345/156  
 2015/0338888 A1 \* 11/2015 Kim ..... G06F 1/1677  
 345/156  
 2015/0378397 A1 \* 12/2015 Park ..... G06F 1/1652  
 361/679.27  
 2015/0378557 A1 \* 12/2015 Jeong ..... G06F 3/0488  
 715/835  
 2016/0062408 A1 \* 3/2016 Lee ..... G06F 1/1641  
 345/173  
 2016/0132074 A1 \* 5/2016 Kim ..... G06F 1/1652  
 715/769  
 2016/0155967 A1 \* 6/2016 Lee ..... H01L 51/5281  
 257/88  
 2016/0187935 A1 \* 6/2016 Tazbaz ..... G06F 1/1681  
 361/679.03  
 2016/0195901 A1 \* 7/2016 Kauhaniemi ..... G06F 1/1681  
 361/679.27

\* cited by examiner

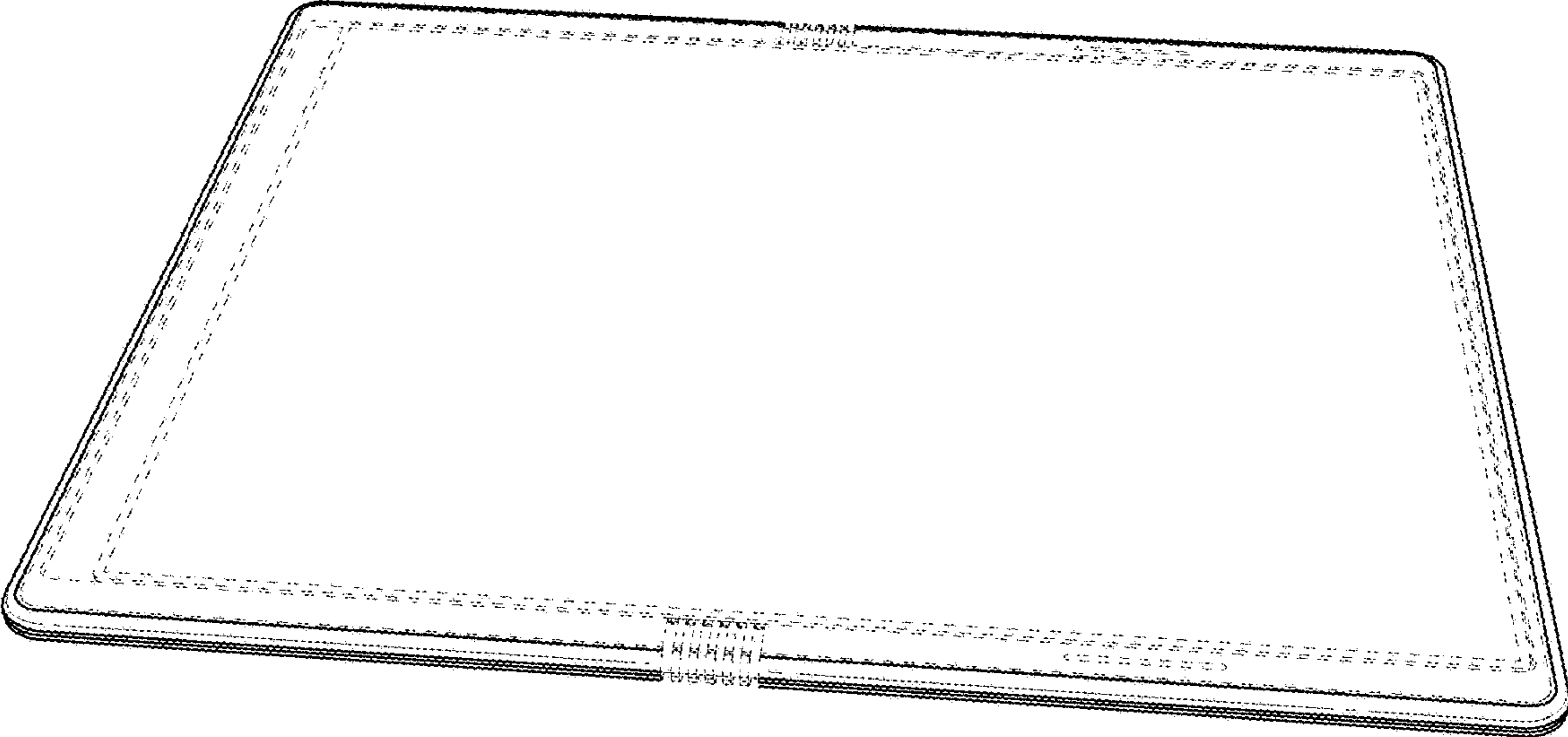


Fig. 1

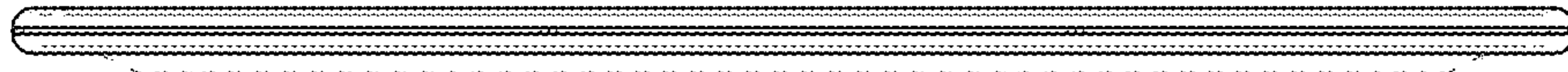


Fig. 2

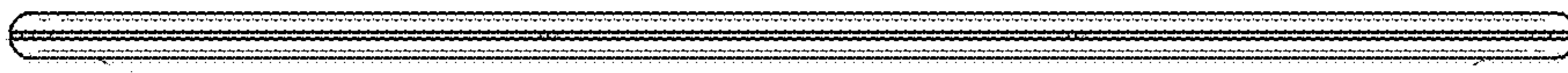


Fig. 3

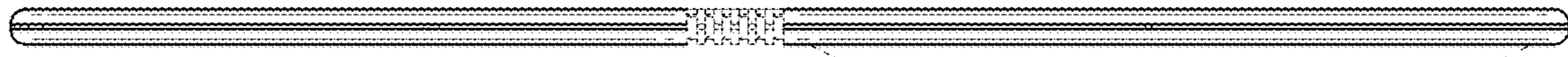


Fig. 4

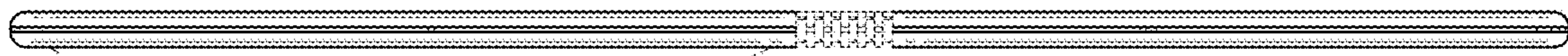


Fig. 5

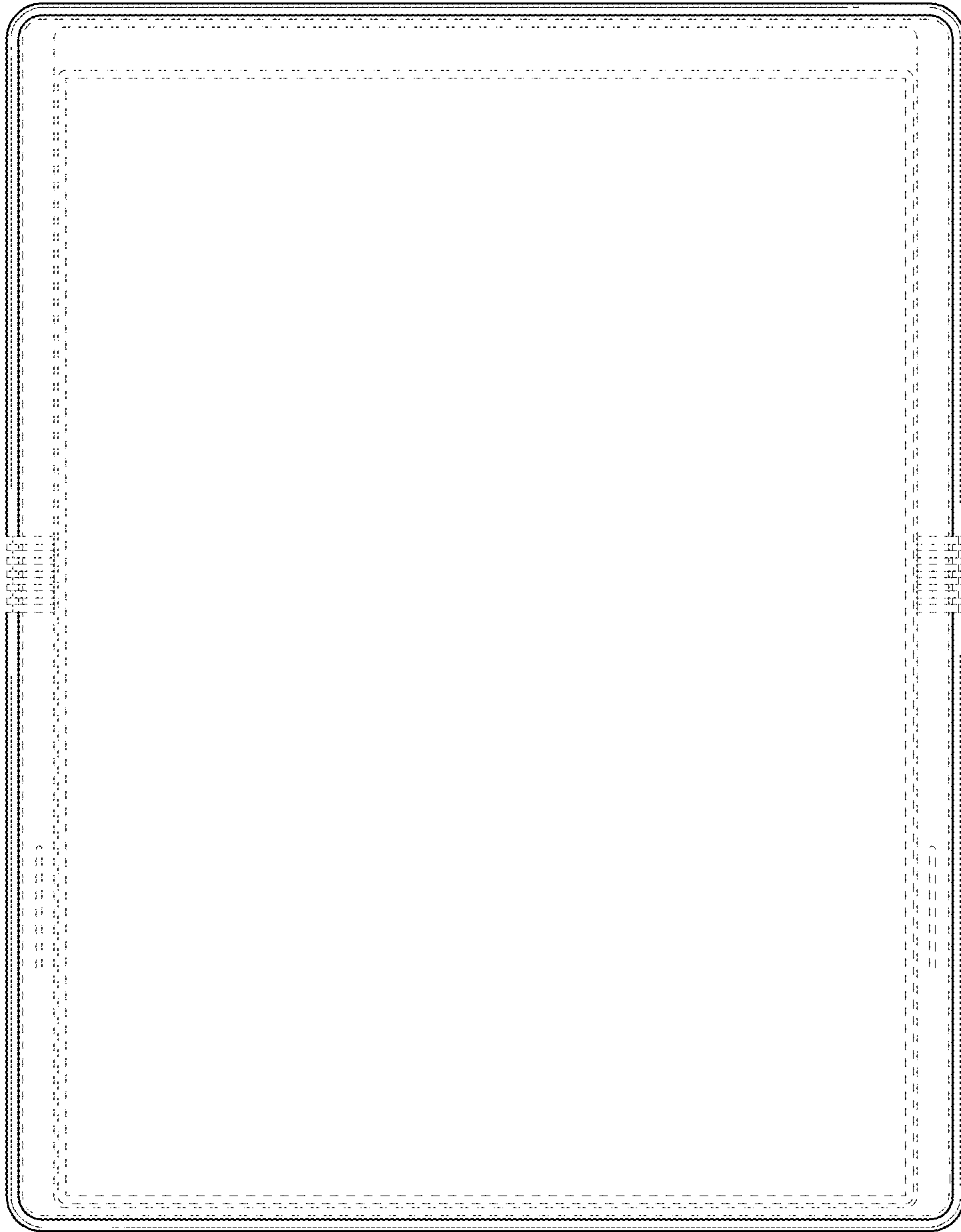


Fig. 6

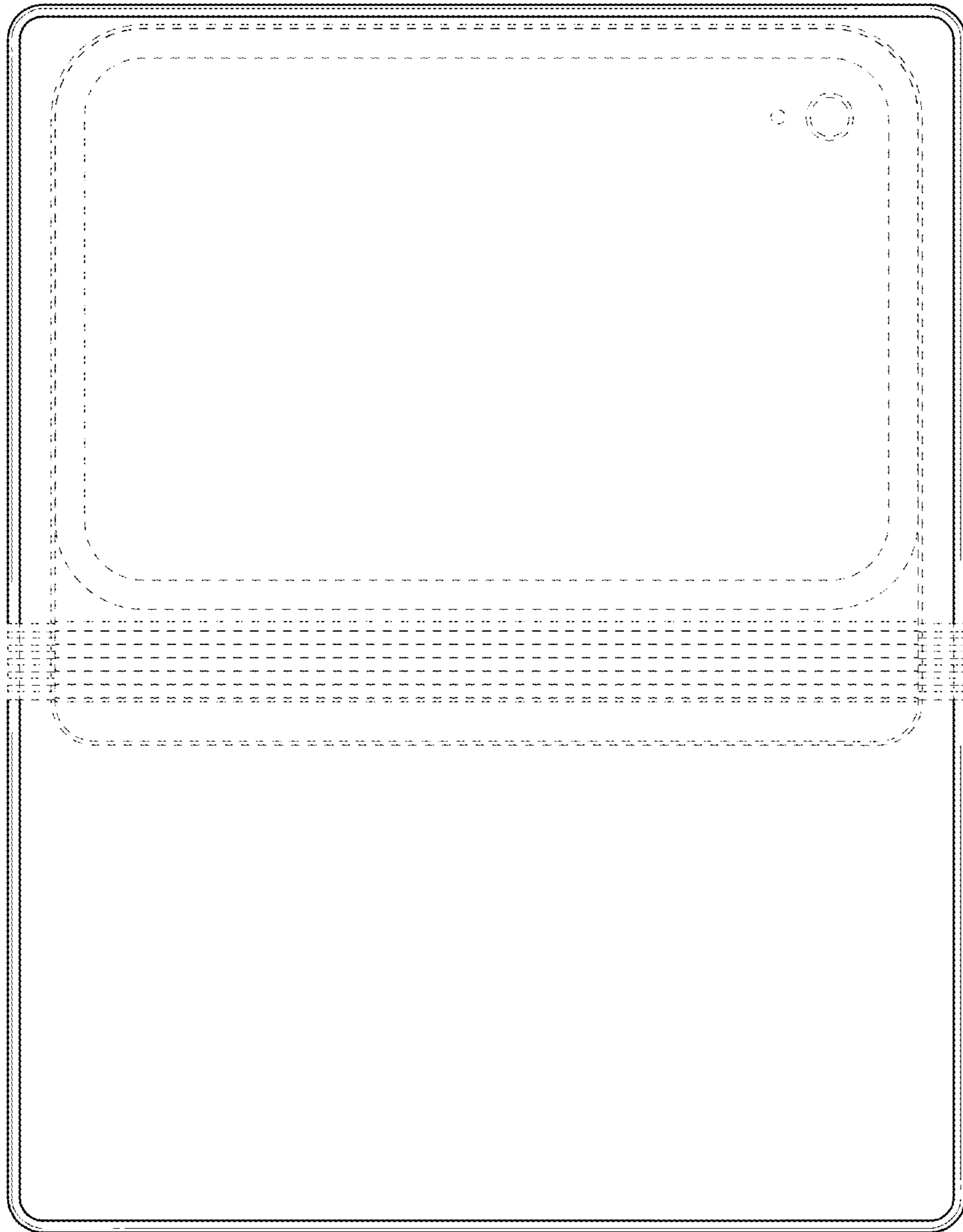


Fig. 7

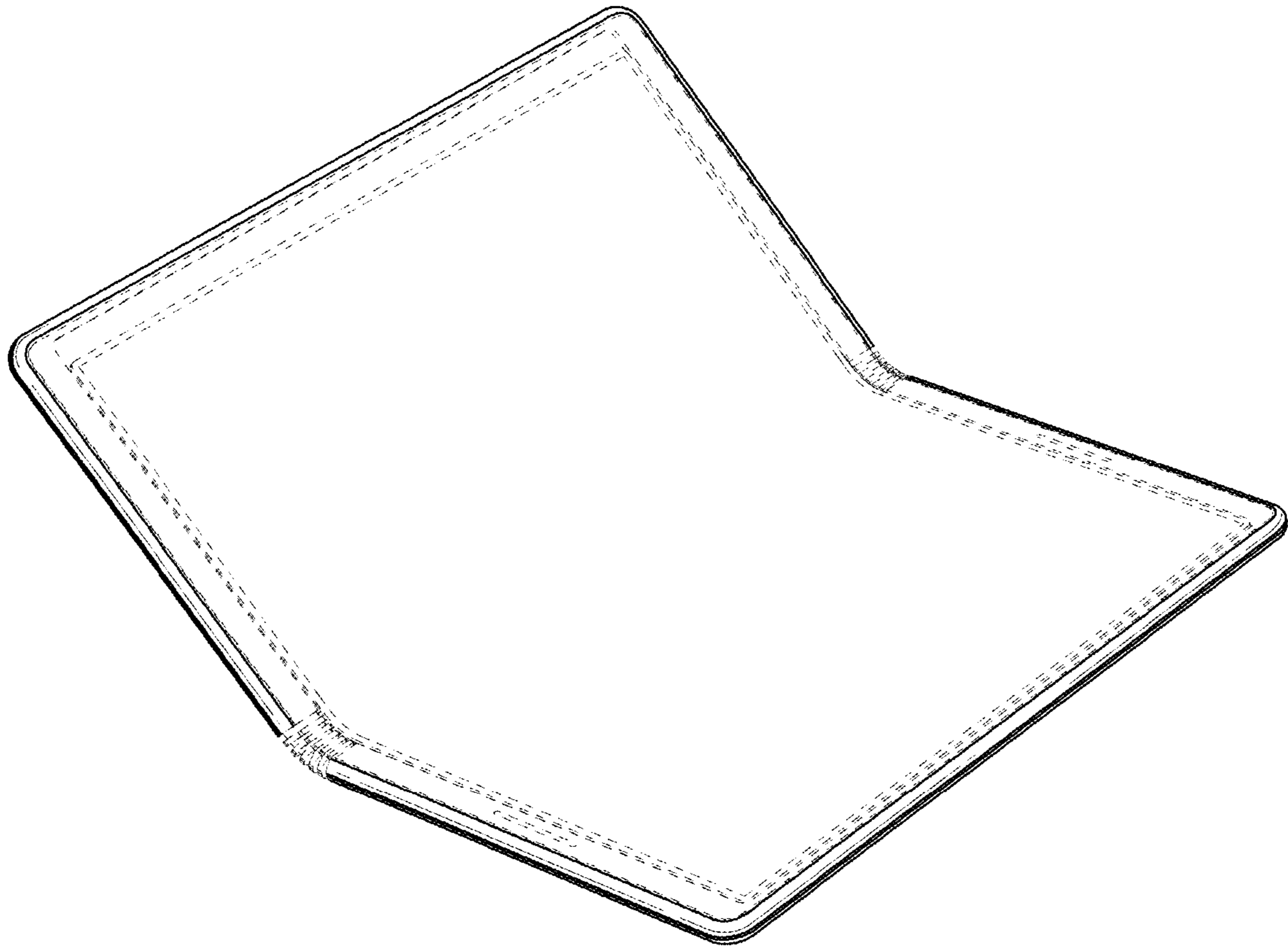


Fig. 8

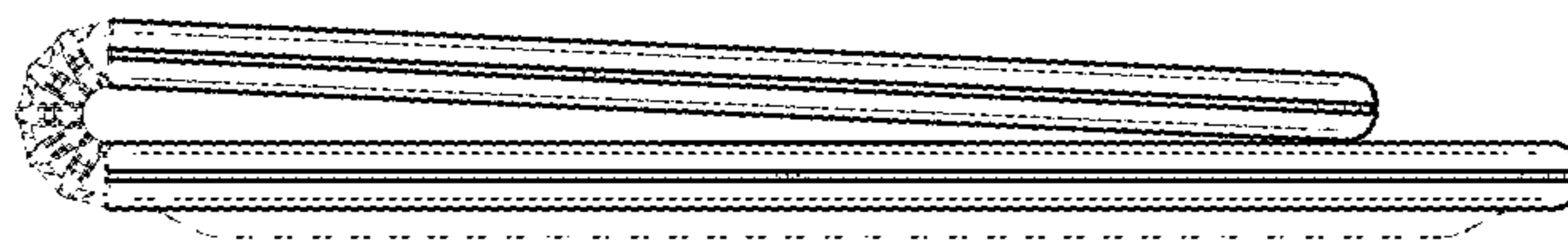


Fig. 9

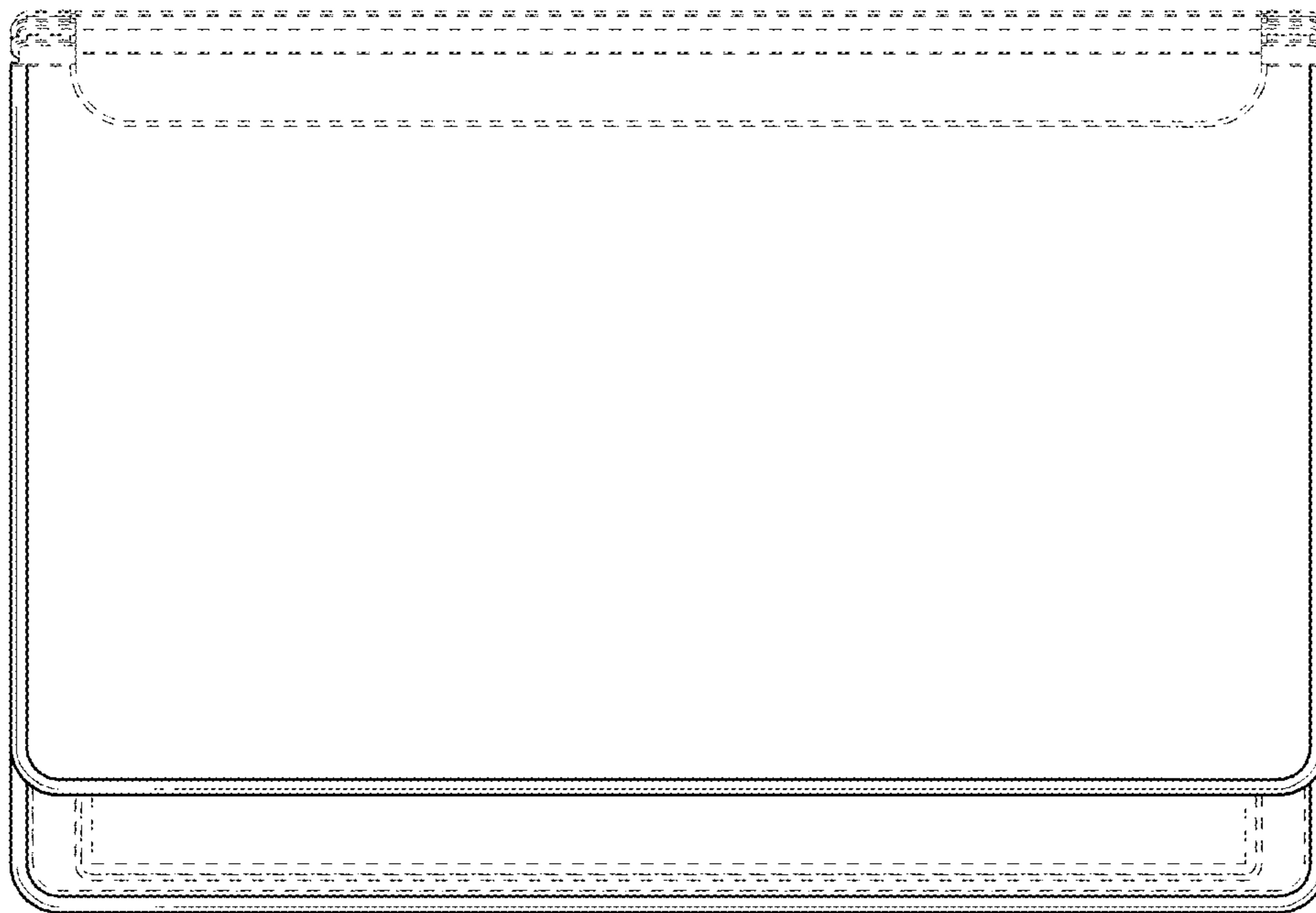


Fig. 10



Fig. 11



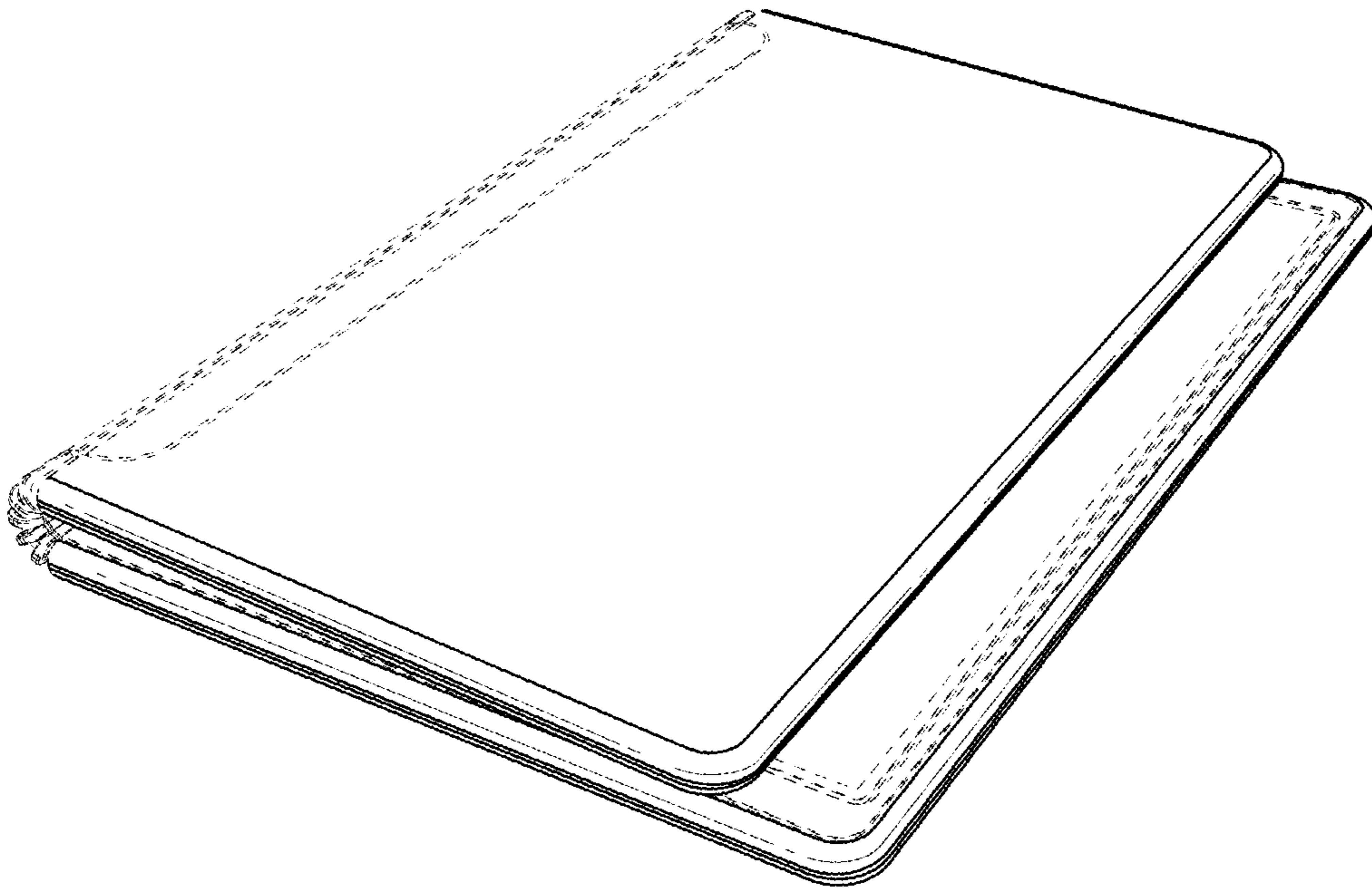


Fig. 12

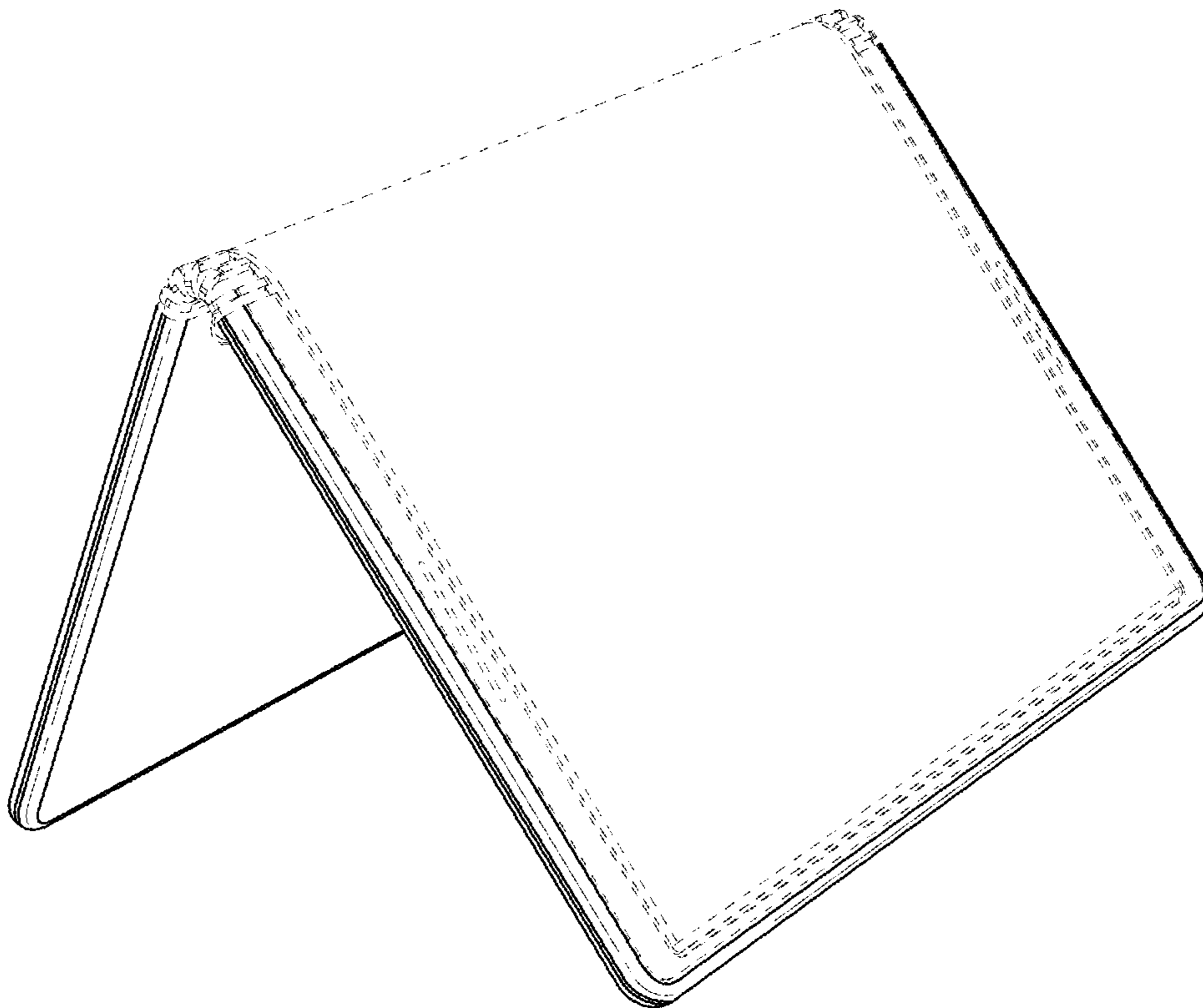


Fig. 13



Fig. 14



Fig. 15



Fig. 16

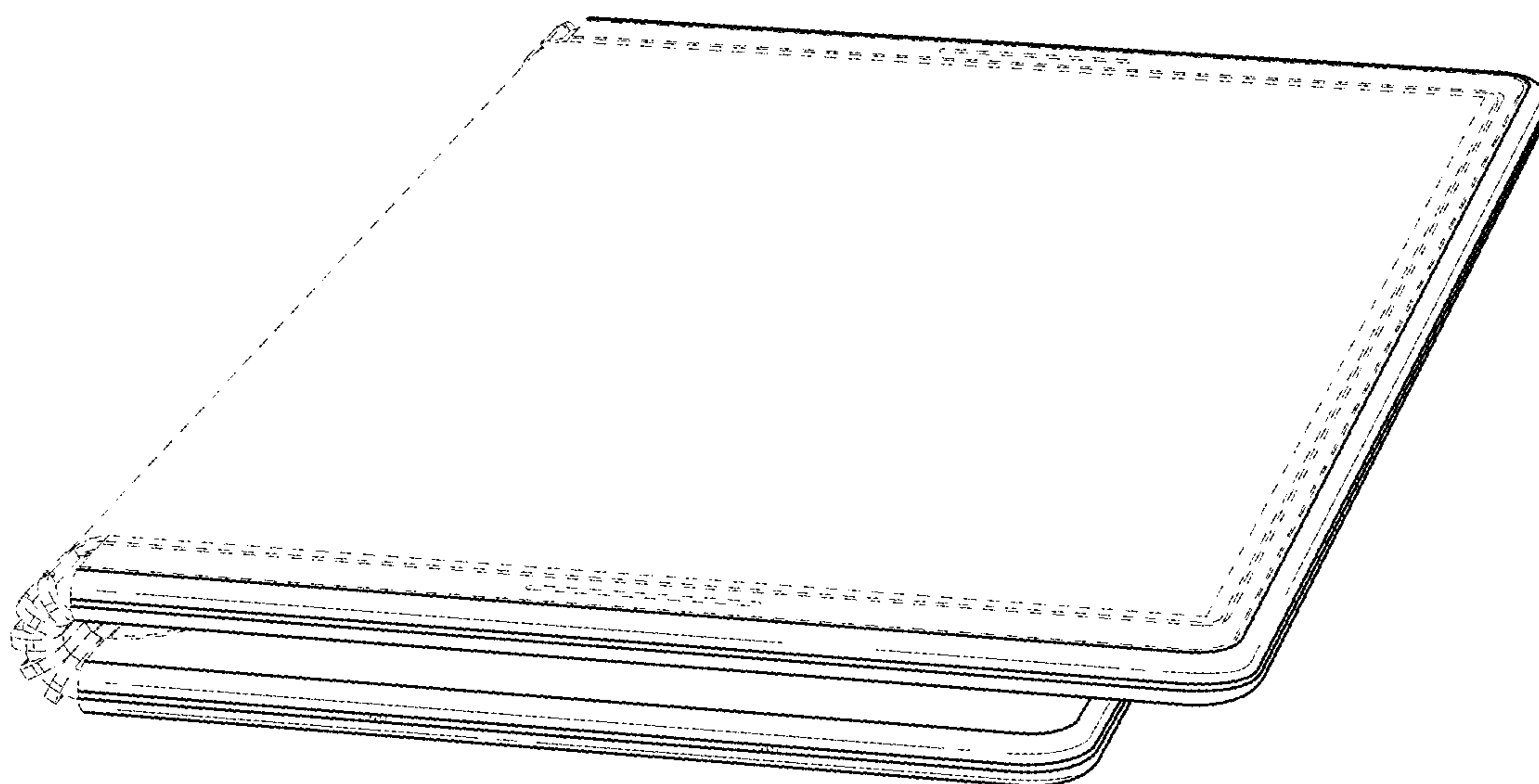


Fig. 17