



US00D893475S

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

(10) **Patent No.:** **US D893,475 S**

(45) **Date of Patent:** **** *Aug. 18, 2020**

(54) **DISPLAY DEVICE**

(71) Applicant: **SAMSUNG DISPLAY CO., LTD.**,
Yongin-si, Gyeonggi-do (KR)

(72) Inventor: **Youn Joon Kim**, Seoul (KR)

(73) Assignee: **Samsung Display Co., Ltd.**, Yongin-si
(KR)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/643,662**

(22) Filed: **Apr. 10, 2018**

(30) **Foreign Application Priority Data**

Oct. 11, 2017 (KR) 30-2017-0046919

(51) **LOC (12) Cl.** **14-02**

(52) **U.S. Cl.**

USPC **D14/345; D14/371; D14/138 AB**

(58) **Field of Classification Search**

USPC D14/138 AB, 345, 203.4, 138 R, 496,
D14/341, 138 G, 248, 371, 373, 336;
D6/301; D21/517; D8/499

CPC H04M 1/0216; H04M 1/0214; H04M
1/0245; G06F 1/1652

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,493,730 B2 7/2013 Shim et al.
8,587,539 B2 11/2013 Tziortzis et al.
8,896,202 B2 11/2014 Oh
D719,542 S 12/2014 Lee et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CN 305351882 * 9/2019
EM 006254793-0002 * 3/2019

(Continued)

OTHER PUBLICATIONS

Samsung's working on a Motorola Razr-like foldable phone, by Joshua Swingle, Posted on Sep. 3, 2019, [online], [site visited Dec. 30, 2019]. https://www.phonearena.com/news/Samsung-Galaxy-Fold-2-details-leak_id118654 (Year: 2019).*

(Continued)

Primary Examiner — Jeffrey D Asch

(74) *Attorney, Agent, or Firm* — Lewis Roca Rothgerber
Christie LLP

(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of the display device in a twice folded state;

FIG. 2 is a front view thereof, with the rear view being a mirror image;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

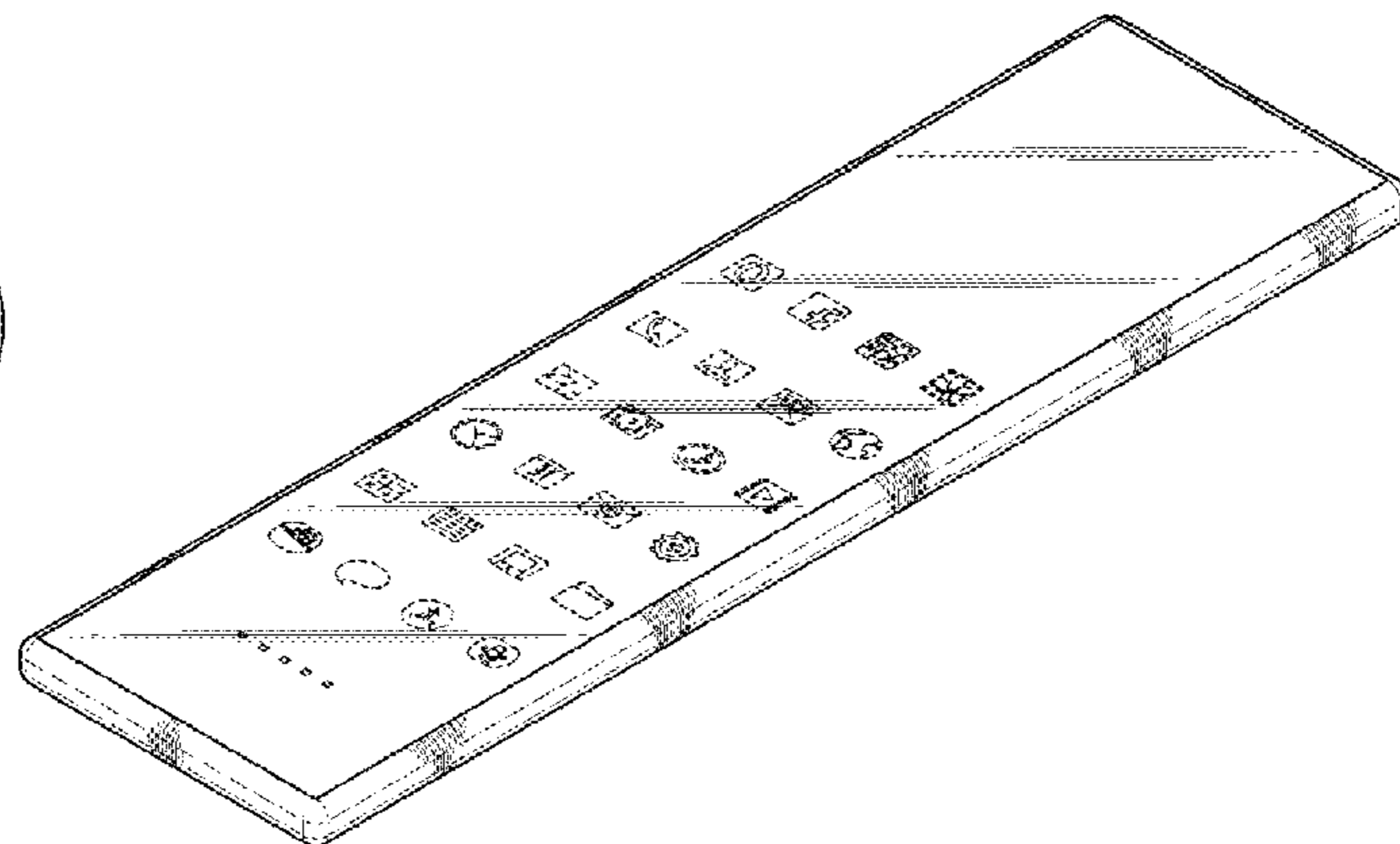
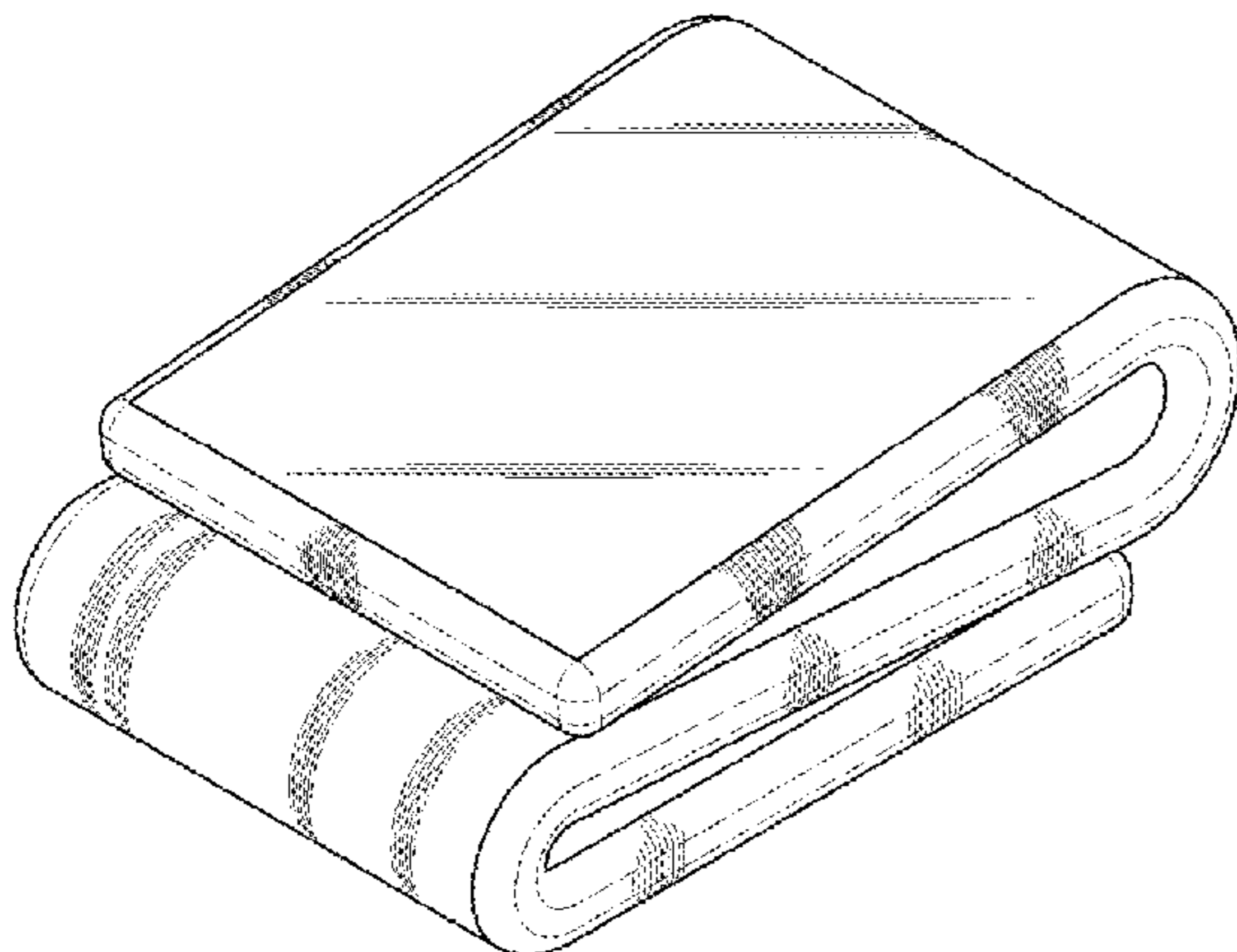
FIG. 6 is a bottom view thereof;

FIG. 7 is a perspective view of the display device when the display device is in a once folded state; and,

FIG. 8 is a perspective view of the display device when the display device is in a fully unfolded state, illustrating that images can be displayed on the screen of the display device, but the images are shown for reference only and form no part of the design.

The broken lines shown in the drawings are for illustrative purposes only and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

9,052,769 B2 6/2015 Choi et al.
 D745,006 S 12/2015 Hirakata et al.
 D745,516 S 12/2015 Yamazaki et al.
 D750,036 S 2/2016 Endo et al.
 D750,064 S 2/2016 Yamazaki et al.
 D757,723 S 5/2016 Kwak et al.
 D760,218 S 6/2016 Yamazaki
 D761,251 S 7/2016 Senda
 D761,252 S 7/2016 Senda
 D761,253 S 7/2016 Yamazaki
 D761,254 S 7/2016 Yamazaki et al.
 D761,787 S 7/2016 Yamazaki
 D761,788 S 7/2016 Yamazaki
 D761,789 S 7/2016 Yamazaki
 D761,790 S 7/2016 Yamazaki
 D767,526 S 9/2016 Lee et al.
 D767,530 S 9/2016 Bae et al.
 D782,439 S * 3/2017 Choo D14/138 AA
 D786,816 S * 5/2017 Choo D14/138 AA
 D788,726 S * 6/2017 Lee D14/138 AB
 D789,925 S * 6/2017 Browning D14/341
 D796,500 S * 9/2017 Yeom D14/341
 D804,443 S * 12/2017 Kang D14/138 AB
 D814,435 S * 4/2018 Kwon D14/138 AB
 D825,518 S * 8/2018 Kikuchi D14/138 AB
 D828,321 S * 9/2018 Yeom D14/138 AB
 10,151,424 B2 * 12/2018 Hong F16M 13/00
 10,257,929 B2 * 4/2019 Lim G04G 21/08
 D859,341 S * 9/2019 Kang D14/138 AB
 D859,347 S * 9/2019 Kwon D14/138 AB
 D859,349 S * 9/2019 Yeom D14/138 AB
 10,504,488 B2 * 12/2019 Chun G06F 1/1652
 10,530,913 B2 * 1/2020 Park G06F 1/1681
 10,534,531 B2 * 1/2020 Seo G06F 3/0486
 2013/0222998 A1 * 8/2013 Cho G06F 1/1601
 361/679.27
 2014/0049464 A1 * 2/2014 Kwak G06F 3/0487
 345/156
 2014/0098034 A1 * 4/2014 Hack G06F 1/1677
 345/173
 2014/0126133 A1 * 5/2014 Griffin G06F 1/1616
 361/679.27
 2014/0218321 A1 8/2014 Lee et al.
 2014/0226275 A1 * 8/2014 Ko G06F 1/1626
 361/679.27
 2014/0247252 A1 * 9/2014 Lee G06F 1/1641
 345/204
 2014/0320396 A1 * 10/2014 Modarres G06F 3/0414
 345/156
 2014/0321072 A1 10/2014 Cavallaro et al.
 2015/0062025 A1 * 3/2015 Lee G06F 3/0412
 345/173
 2015/0109544 A1 4/2015 Yea et al.
 2015/0146386 A1 5/2015 Namkung et al.
 2015/0146387 A1 5/2015 Lee

2015/0207102 A1 * 7/2015 Jeong H01L 51/5256
 257/40
 2015/0317007 A1 * 11/2015 Yanagawa G06F 1/1652
 463/37
 2015/0346866 A1 * 12/2015 Kusunoki G06F 3/044
 345/174
 2015/0370287 A1 * 12/2015 Ko G06F 1/1626
 361/749
 2015/0373480 A1 * 12/2015 Park G06F 1/1652
 715/748
 2016/0048170 A1 * 2/2016 Kim G06F 1/1626
 345/173
 2016/0147362 A1 * 5/2016 Eim G06F 1/1641
 345/173
 2016/0157822 A1 * 6/2016 Jin A61B 8/14
 600/443
 2016/0187994 A1 * 6/2016 La G06F 1/1652
 345/619
 2016/0246330 A1 * 8/2016 Kim G06F 1/1652
 2016/0259514 A1 * 9/2016 Sang G06F 3/04817
 2016/0291642 A1 * 10/2016 Kwak G06F 1/1692
 2016/0324023 A1 * 11/2016 Kim G06F 1/1624
 2017/0075389 A1 * 3/2017 Yeom G06F 1/1652
 2017/0102738 A1 * 4/2017 Park G06F 1/1652
 2017/0110786 A1 * 4/2017 Liu G06F 1/1641
 2017/0177130 A1 * 6/2017 Endo G06F 1/1652
 2017/0277319 A1 * 9/2017 Qiu H04M 1/0216
 2017/0293383 A1 * 10/2017 Lee G06F 3/048
 2017/0344120 A1 * 11/2017 Zuniga G06F 1/1649
 2017/0345365 A1 * 11/2017 Li G09G 3/3225
 2018/0039387 A1 * 2/2018 Cheong G06F 3/04883
 2018/0164852 A1 * 6/2018 Lim H04M 1/0214
 2018/0210508 A1 * 7/2018 Aurongzeb G06F 1/1669
 2018/0217639 A1 * 8/2018 Jones H05K 1/0306
 2018/0314299 A1 * 11/2018 Xia G09F 9/30
 2018/0342192 A1 * 11/2018 Lee G09G 3/2092
 2018/0356859 A1 * 12/2018 Hamburgers G06F 1/1616
 2019/0245955 A1 * 8/2019 Lee G06F 1/1616
 2020/0016868 A1 * 1/2020 Woody B32B 7/02

FOREIGN PATENT DOCUMENTS

KR 10-2016-0004316 1/2016
 KR 10-2016-0025888 3/2016
 KR 10-2016-0055416 5/2016
 KR 10-2016-0074815 6/2016
 KR 10-2016-0080034 7/2016
 KR 10-2016-0103599 9/2016
 KR 301020461.0000 * 8/2019

OTHER PUBLICATIONS

Top foldable phones: Motorola; a Razr, Galaxy Fold, Huawei Mate X and more, by Lynn La, Posted on Nov. 28, 2019, [online], [site visited Dec. 30, 2019]. Retrieved from url: <https://www.cnet.com/news/forget-the-password-to-your-mac-heres-how-to-get-back-in-to-your-locked-down-computer/> (Year: 2019).*

* cited by examiner

FIG. 1

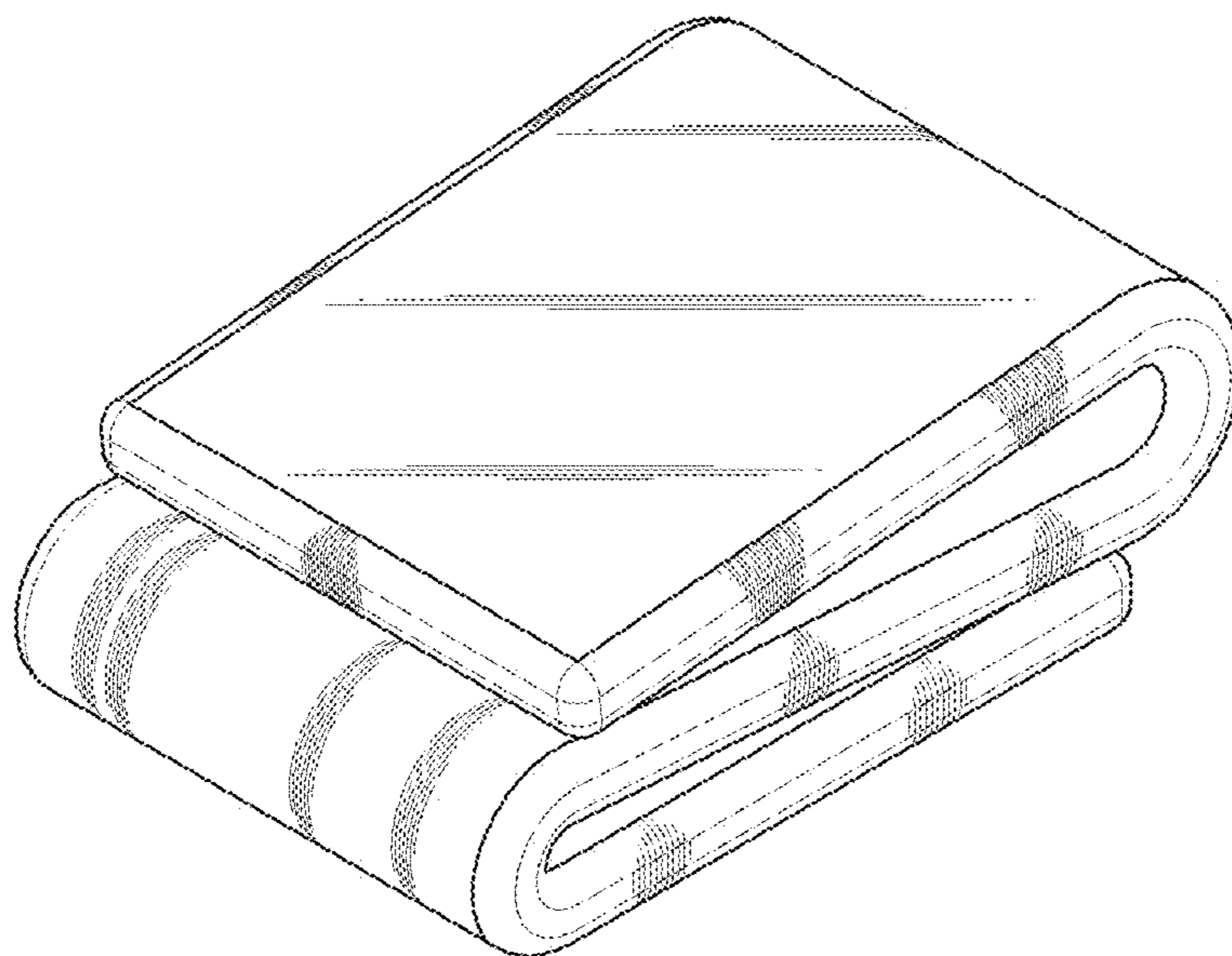


FIG. 2

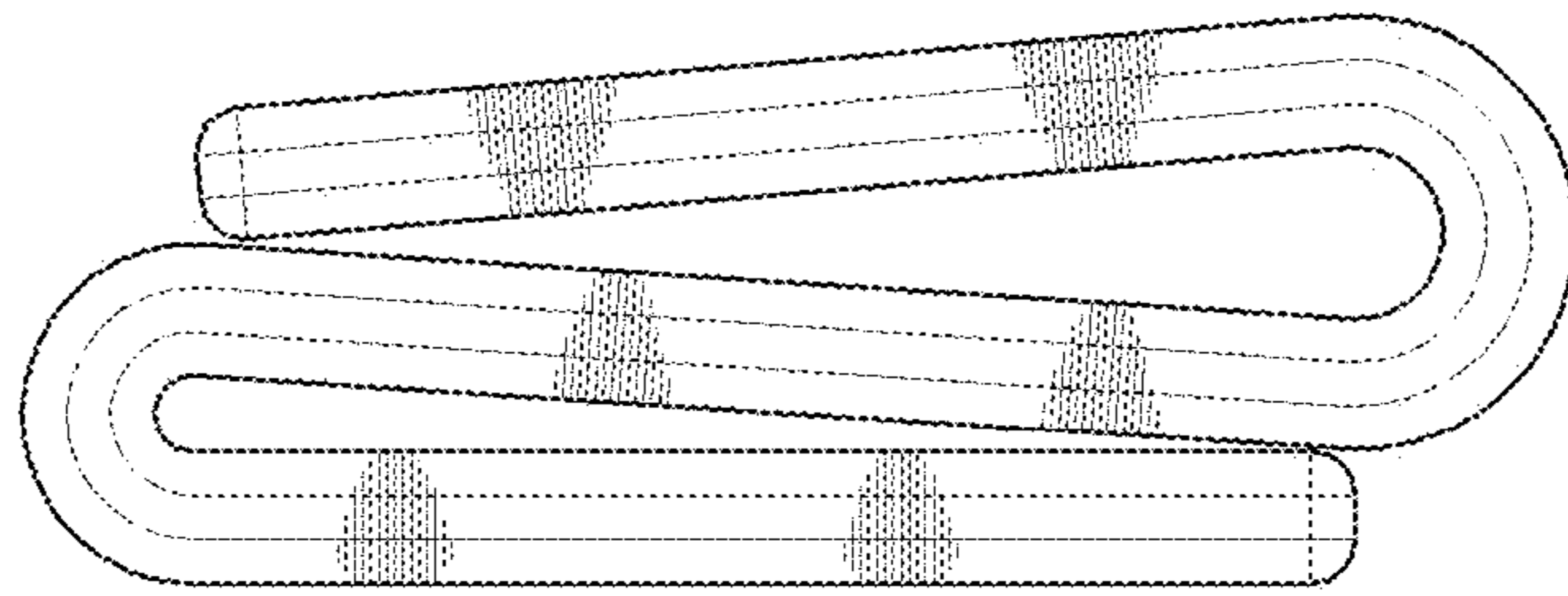


FIG. 3

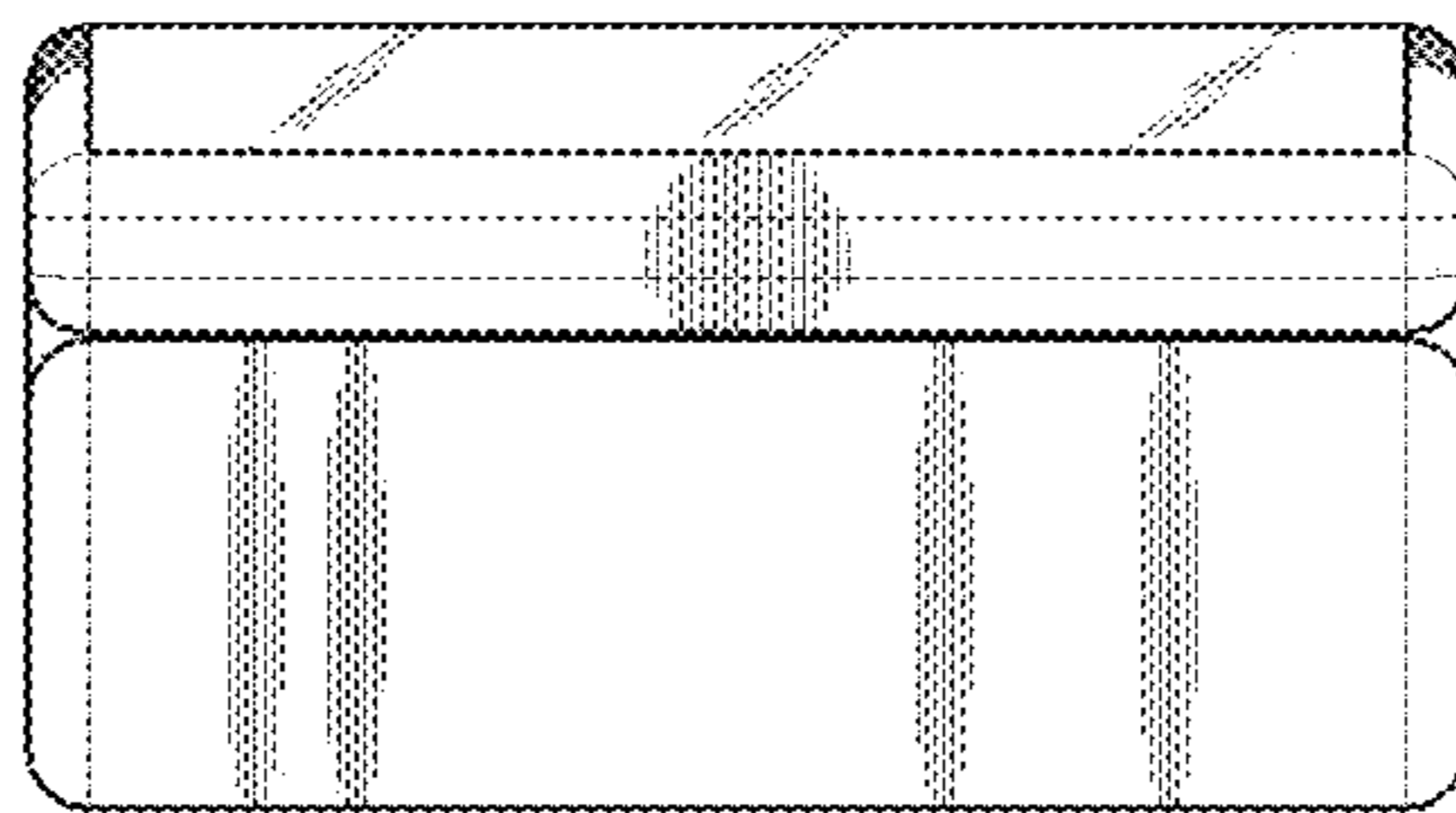


FIG. 4

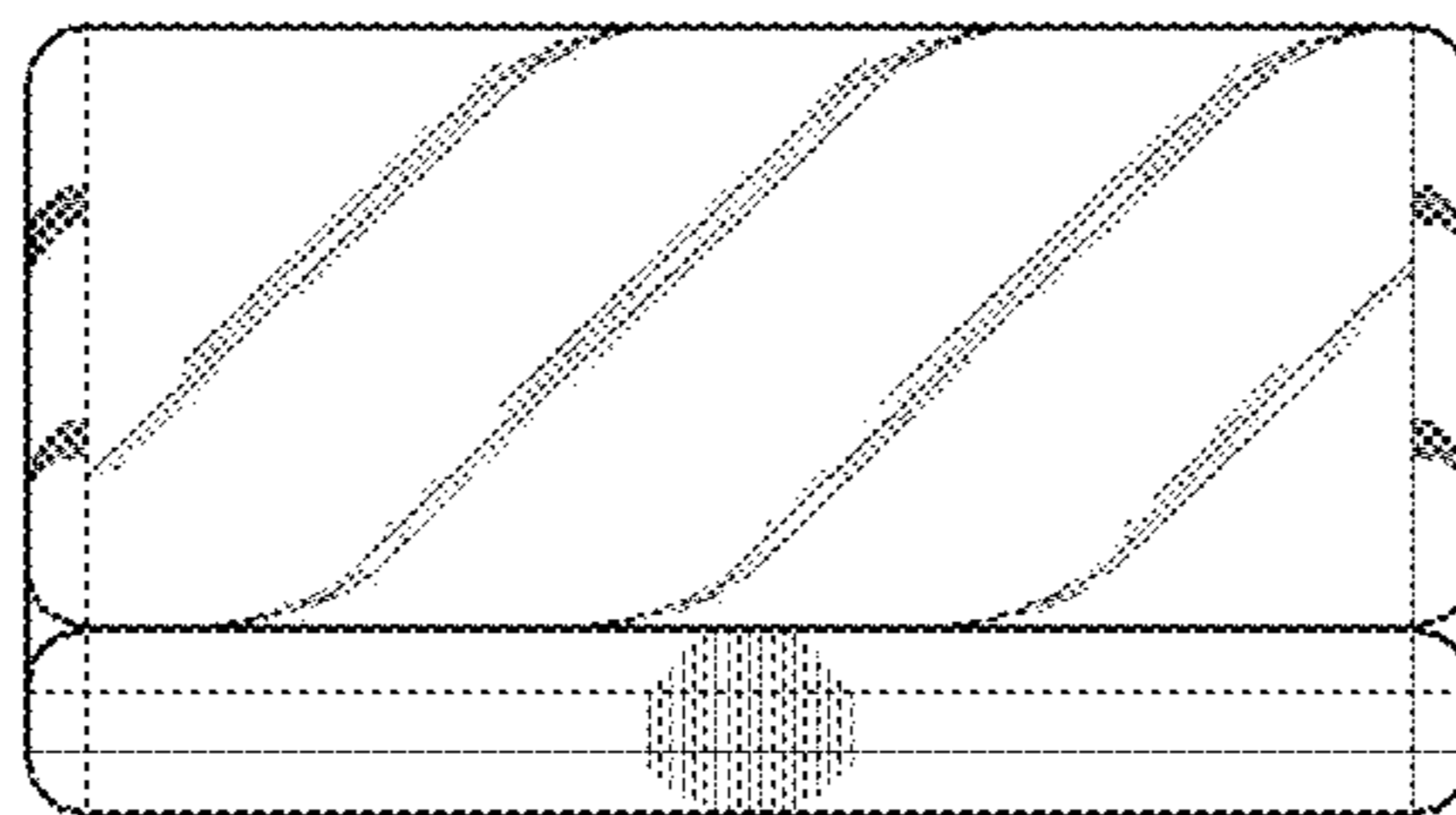


FIG. 5

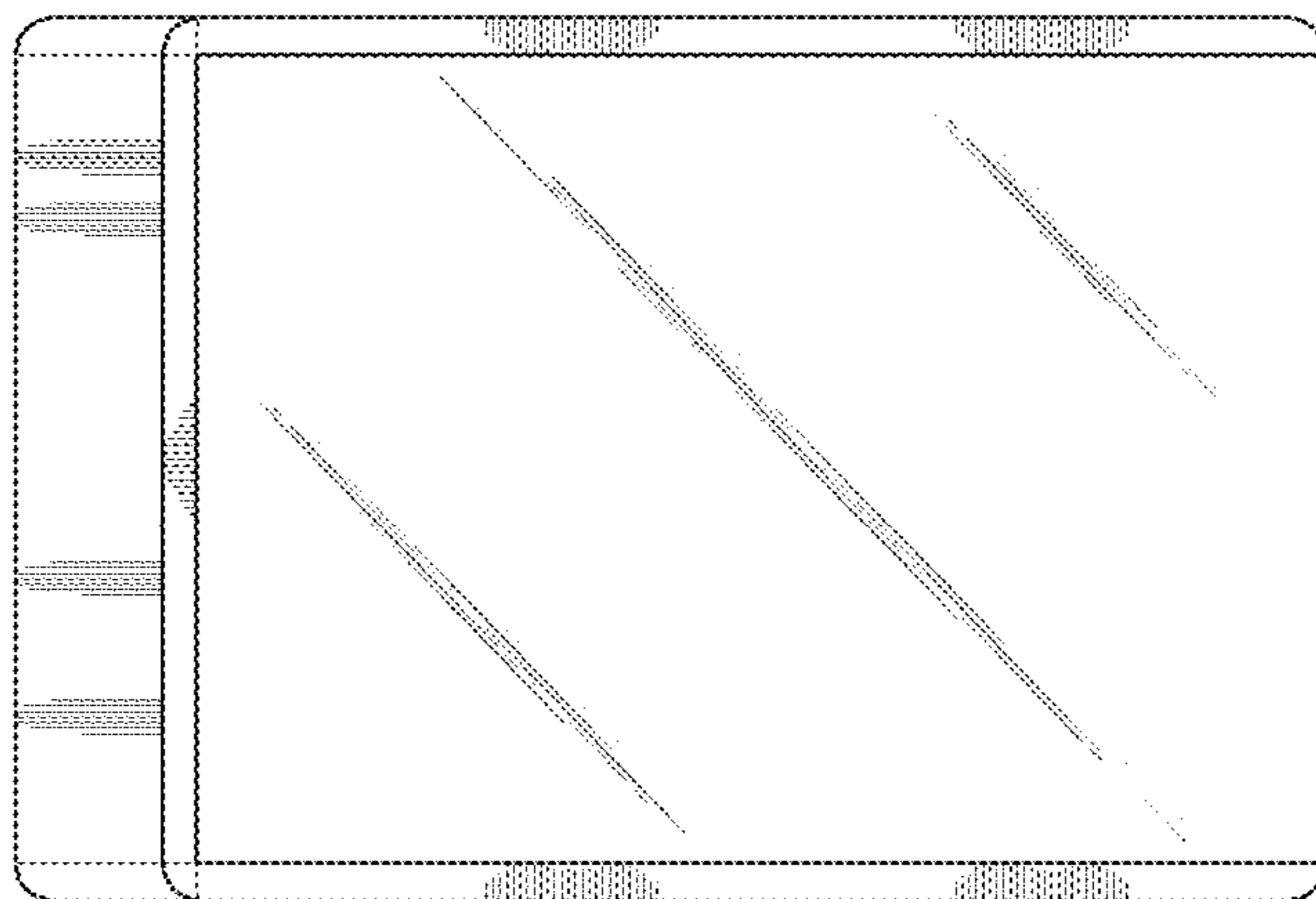


FIG. 6

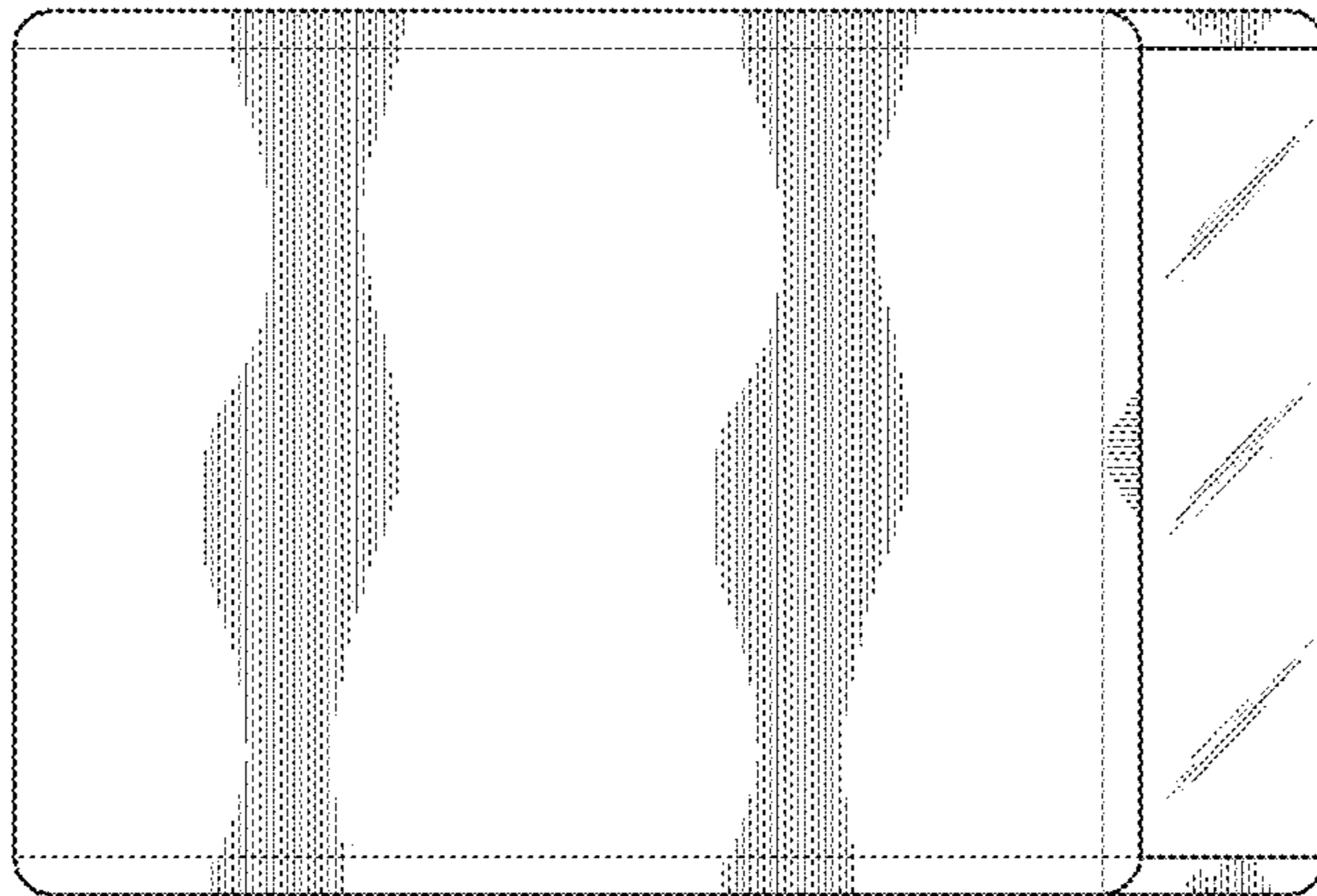


FIG. 7

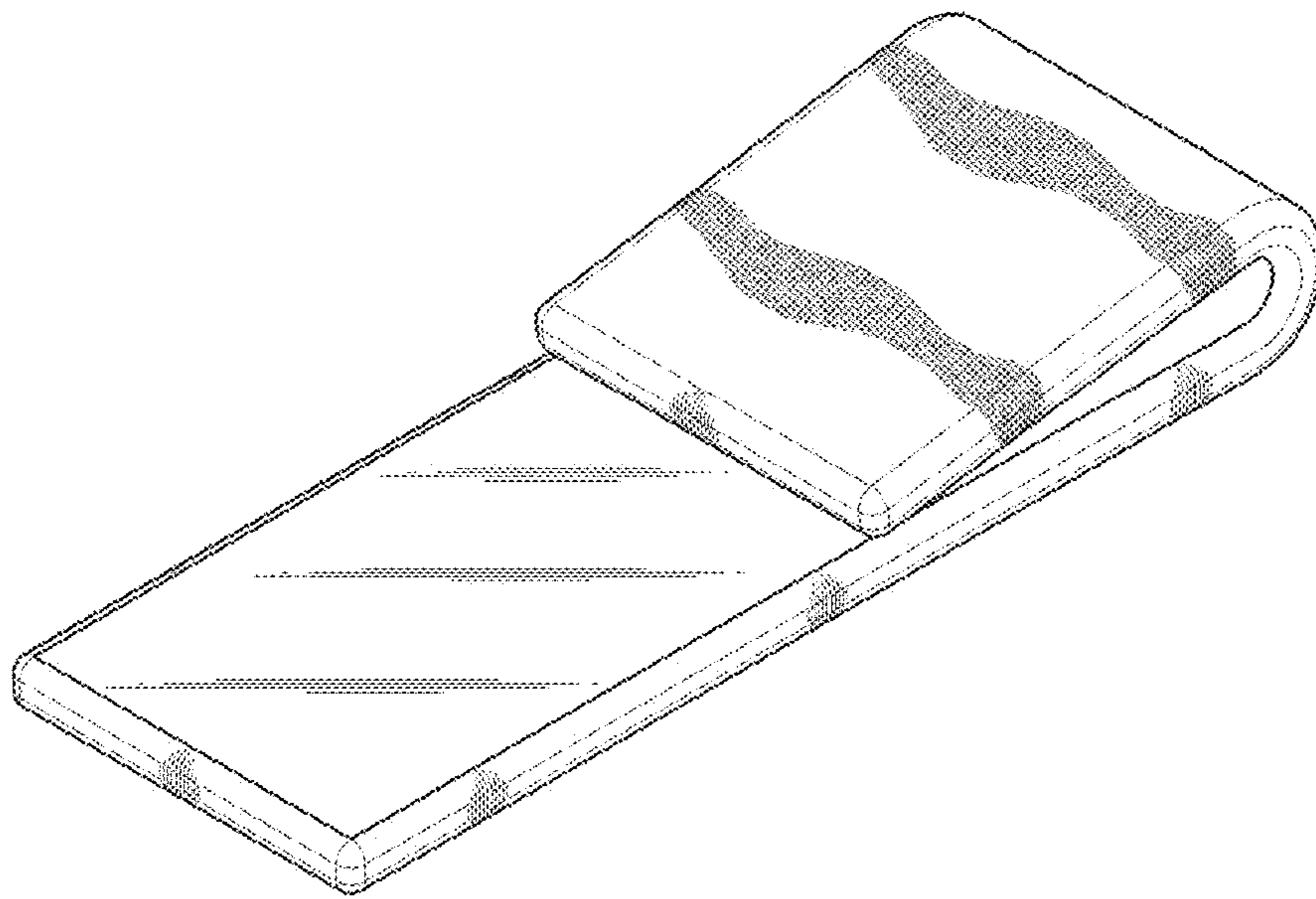


FIG. 8

