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(12) **United States Design Patent** (10) **Patent No.:** **US D933,068 S**
Raken et al. (45) **Date of Patent:** **** Oct. 12, 2021**

(54) **KEYBOARD**

FOREIGN PATENT DOCUMENTS

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CN 303710822 * 6/2016
JP 1392438 S 7/2010

(Continued)

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OTHER PUBLICATIONS

Surface Pro X Signature Keyboard with Slim Pen Bundle, Microsoft, microsoft.com, author and date unlisted © 2020 Microsoft, online, site visited Dec. 15, 2020. Available from Internet, URL: <https://www.microsoft.com/en-US/p/surface-pro-x-signature-keyboard-with-slim-pen-bundle/8n0kt2q6snrt?act...> (Year: 2020).*

(Continued)

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Assistant Examiner — Altaira J Swangin

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

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(21) Appl. No.: **29/707,897**

(22) Filed: **Oct. 1, 2019**

(57) **CLAIM**

The ornamental design for a keyboard, as shown and described.

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

(52) **U.S. Cl.**
USPC **D14/391**

DESCRIPTION

(58) **Field of Classification Search**
USPC D14/247, 315–327, 331–333, 338,
D14/345–347, 387, 390–401, 406, 429,
D14/455–457, 460–461, 447, 459, 203.8,
D14/209.1; D18/1–2, 4.1–4.6, 7, 11,
D18/12.2, 52; D21/324, 409; 341/22–23,
341/26; 345/168–173; 361/679.08,
361/679.09, 679.11, 679.14, 679.17,
361/679.26, 679.27, 786; 708/142–146;
(Continued)

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

The claim is directed to the solid edge surrounding the keyboard and the shaded surfaces on the front of the keyboard. The dash-dot broken line depicts a boundary and the evenly spaced broken lines depict portions of the keyboard that form no part of the claimed design. Any unshaded surfaces that are between solid line and broken line form no part thereof.

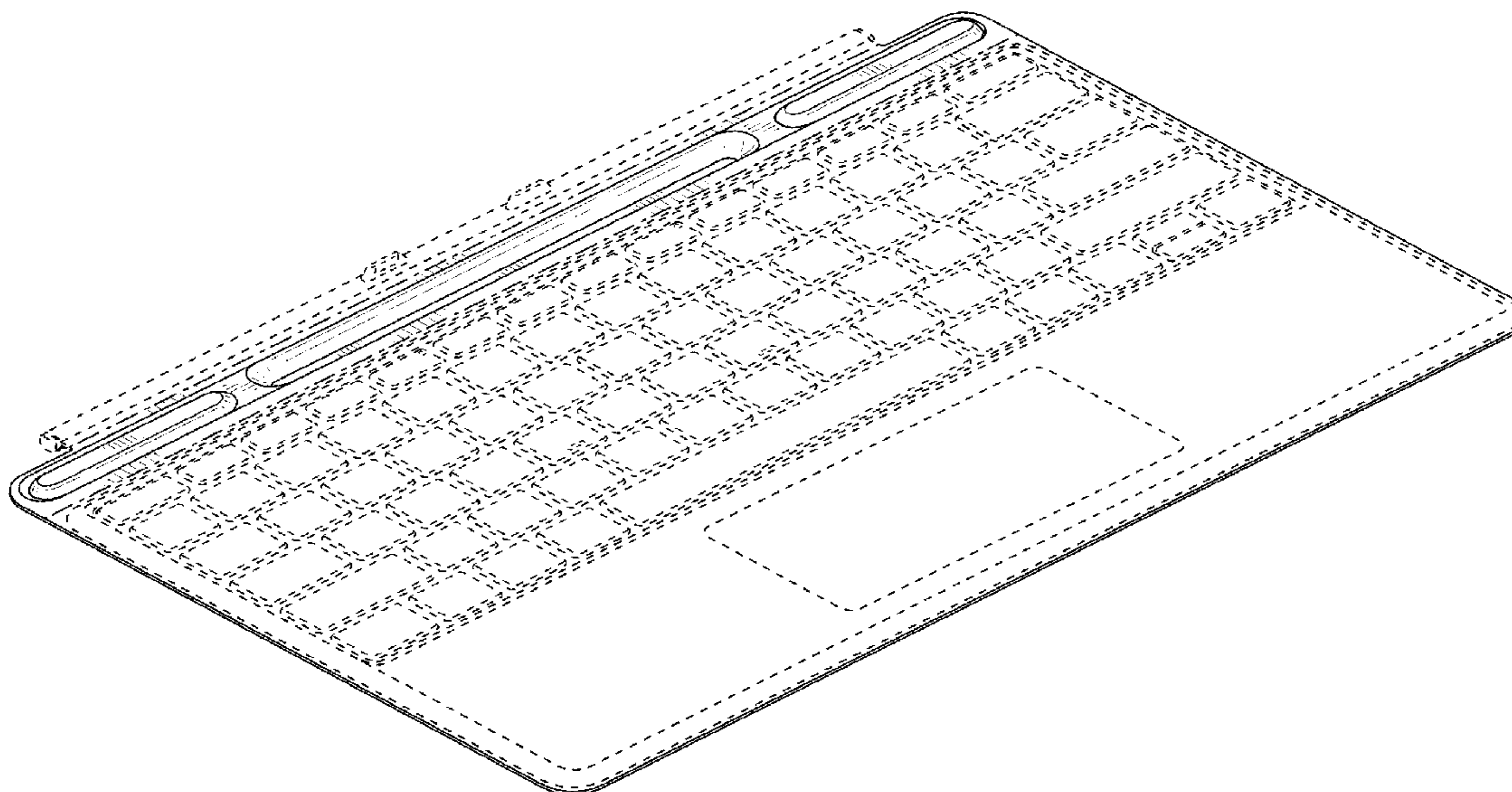
(56) **References Cited**

U.S. PATENT DOCUMENTS

D538,096 S * 3/2007 Bartell D6/613
D538,575 S * 3/2007 Bartell D6/613

(Continued)

1 Claim, 4 Drawing Sheets



(58) **Field of Classification Search**

USPC 235/8, 12, 15, 26–27, 145 A, 145 R, 146,
235/61 PE

CPC B41J 5/00; B41J 5/10; B41J 5/12; G06F
3/021; G06F 3/0216; G06F 3/0219; G06F
3/02

See application file for complete search history.

2016/0062413 A1* 3/2016 Sano E05D 11/10
361/679.09
2016/0091934 A1* 3/2016 Oakley G06F 1/1632
361/679.55
2017/0153665 A1* 6/2017 Tsai G06F 1/1616
2017/0220076 A1* 8/2017 Gerbus G06F 1/1632
2018/0019081 A1* 1/2018 Ascorra G06F 1/1616
2018/0136697 A1* 5/2018 Lee G06F 1/1681
2020/0183462 A1* 6/2020 Li F16C 11/04

(56) **References Cited**

U.S. PATENT DOCUMENTS

D678,277 S * 3/2013 Groene D14/391
D678,880 S * 3/2013 Groene D14/391
D678,881 S * 3/2013 Groene D14/391
D678,882 S * 3/2013 Groene D14/391
D684,983 S * 6/2013 Wu D14/455
D688,242 S * 8/2013 Smith D14/391
D696,262 S 12/2013 Groene et al.
D705,227 S * 5/2014 Groene D14/392
D720,748 S 1/2015 Groene et al.
D729,767 S * 5/2015 Lee D14/209.1
D731,485 S * 6/2015 Kim D14/392
D731,486 S * 6/2015 Kim D14/392
D732,044 S * 6/2015 Longo D14/440
D733,153 S * 6/2015 Longo D14/440
D746,293 S * 12/2015 Park D14/455
D748,094 S * 1/2016 Mecchella D14/391
D750,629 S 3/2016 Kim et al.
D751,553 S * 3/2016 Kim D14/392
D754,659 S * 4/2016 Kim D14/392
D754,660 S 4/2016 Kim et al.
D756,364 S * 5/2016 Hong D14/440
D761,267 S * 7/2016 Chen D14/455
D780,758 S * 3/2017 Bailey D14/392
D791,135 S * 7/2017 Jung D14/391
D791,780 S 7/2017 Bailey et al.
D799,485 S 10/2017 Kim et al.
D799,495 S 10/2017 Bailey et al.
D807,365 S * 1/2018 Liu D14/440
D807,889 S * 1/2018 Kim D14/440
D819,639 S * 6/2018 Raken D14/391
D822,025 S * 7/2018 Kim D14/392
D870,117 S * 12/2019 Akana D14/457
D898,028 S * 10/2020 Kang D14/391
2007/0097087 A1* 5/2007 Homer G06F 1/1669
345/173
2013/0088826 A1* 4/2013 Kim G06F 1/1669
361/679.09
2014/0185215 A1* 7/2014 Whitt, III G06F 1/166
361/679.4
2015/0116224 A1* 4/2015 Chen G06F 1/1662
345/169
2015/0153771 A1* 6/2015 Lin G06F 1/1654
361/679.09
2016/0048173 A1* 2/2016 Lyles G06F 1/1656
361/679.17
2016/0062411 A1* 3/2016 Morrison G06F 1/1632
361/679.08

FOREIGN PATENT DOCUMENTS

JP 1469199 S 5/2013
JP 1492956 S 3/2014
JP 1569358 S 2/2017
JP 1572767 S 4/2017
KR 30-0608375 8/2011
KR 30-0689166 4/2013
KR 3008018220003 * 10/2015
KR 3008018220004 * 1/2016
KR 30-0838107 2/2019
WO DM203816 5/2019
WO WO-D207277-002 * 10/2020

OTHER PUBLICATIONS

U.S. Appl. No. 29/707,894, filed Oct. 1, 2019.
“Office Action Issued in Japanese Patent Application No. 2020-006801”, dated Aug. 25, 2020, 7 Pages.
“Office Action Issued in Japanese Patent Application No. 2020-006802”, dated Aug. 25, 2020, 7 Pages.
“Office Action Issued in Japanese Patent Application No. 2020-006804”, dated Aug. 25, 2020, 7 Pages.
“Office Action Issued in Japanese Patent Application No. 2020-006805”, dated Aug. 25, 2020, 7 Pages.
“Office Action Issued in Japanese Patent Application No. 2020-006803”, dated Aug. 25, 2020, 7 Pages.
“Office Action Issued in Japanese Patent application No. 2020-006806”, dated Aug. 25, 2020, 7 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006801”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006802”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006803”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006804”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006805”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006806”, dated Dec. 22, 2020, 6 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006807”, dated Dec. 8, 2020, 6 Pages.
“Non Final Office Action Issued in U.S. Appl. No. 29/707,897”, dated Dec. 31, 2020, 11 Pages.
“Notice of Allowance Issued in Japanese Patent Application No. 2020-006797”, dated Feb. 16, 2021, 5 Pages.

* cited by examiner

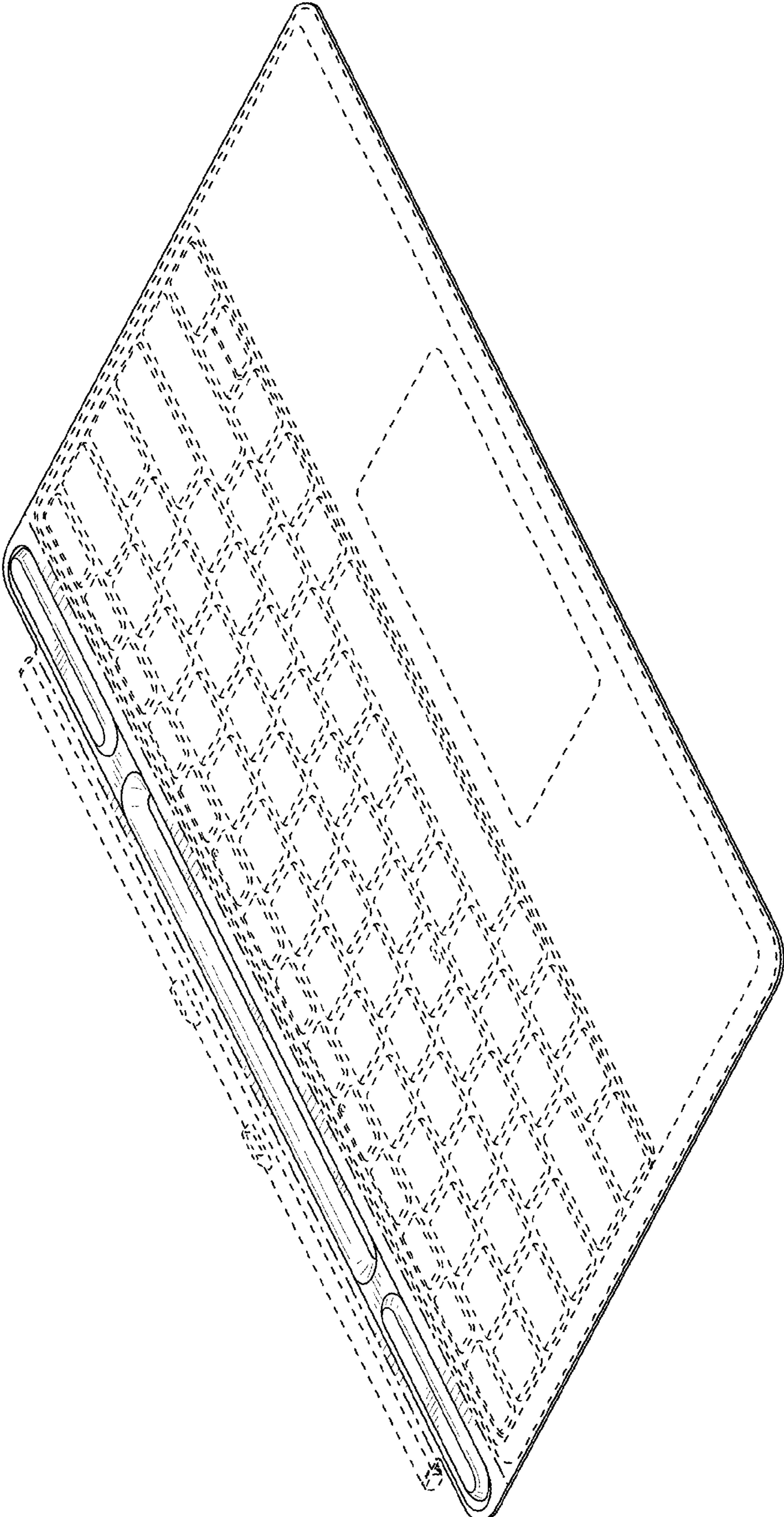


FIG. 1

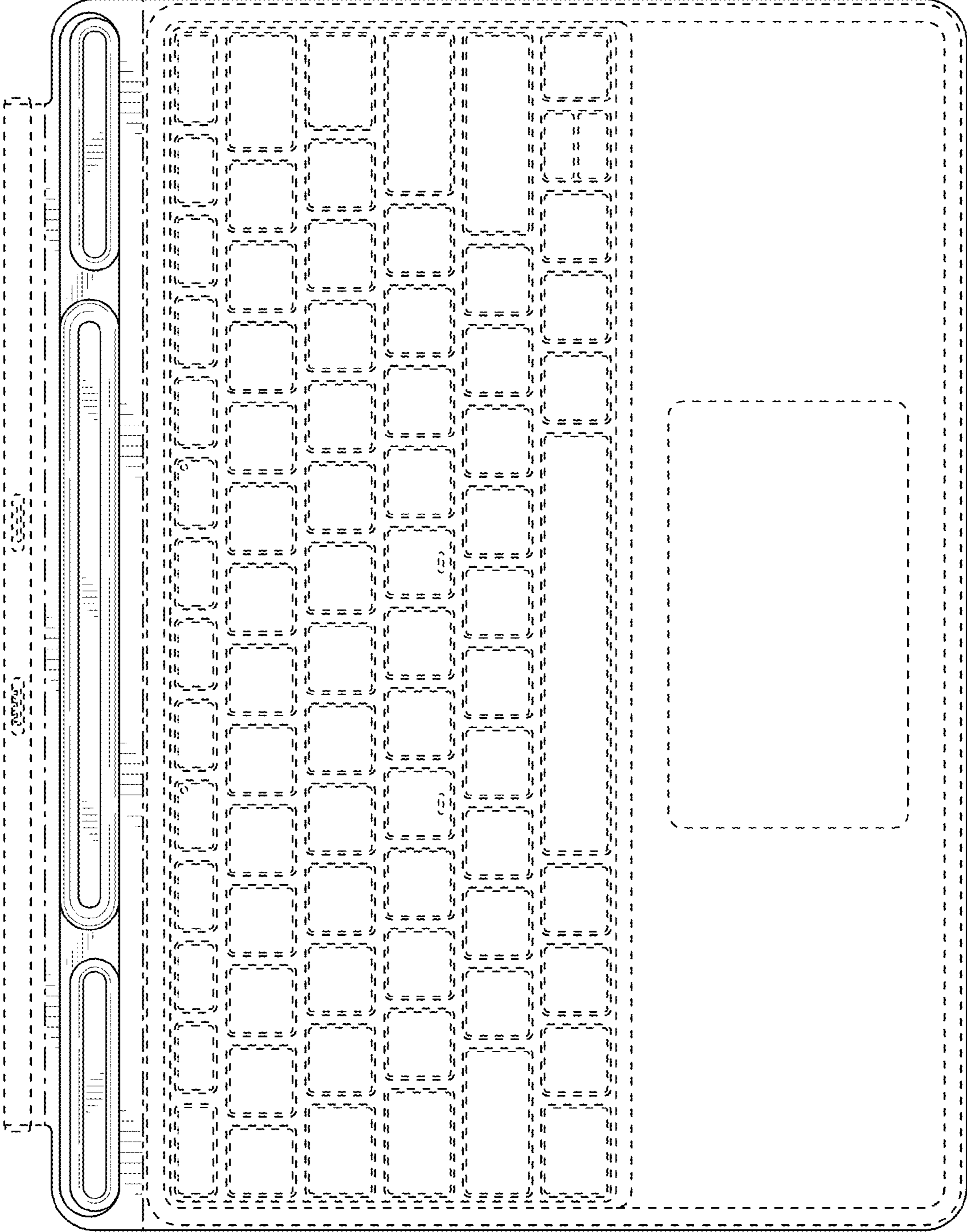


FIG. 2

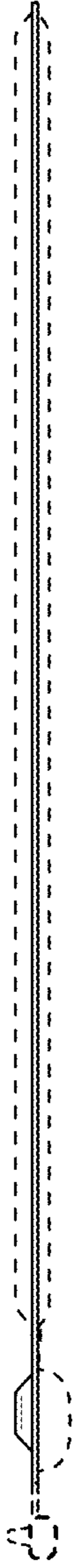


FIG. 3



FIG. 4



FIG. 5



FIG. 6

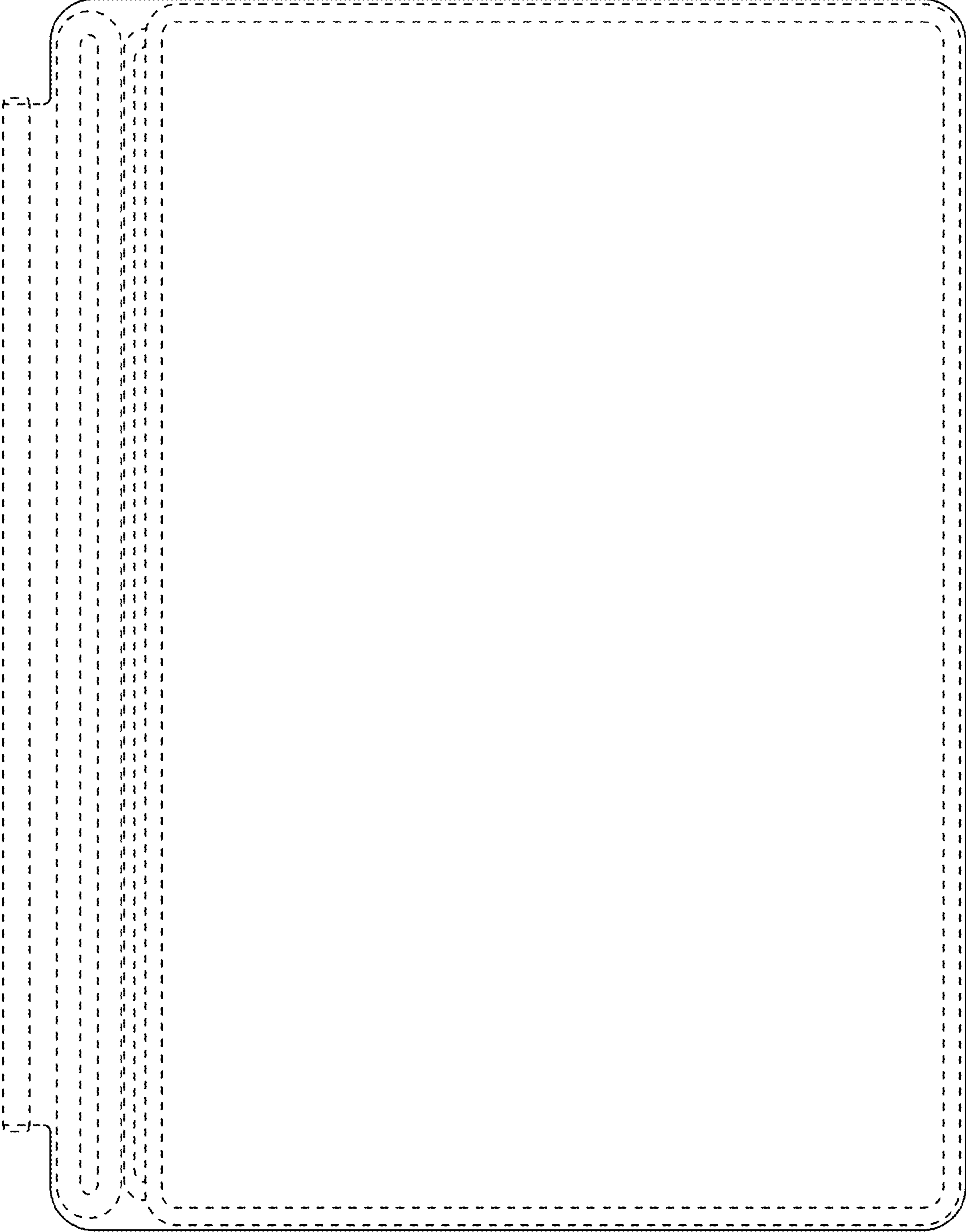


FIG. 7