



US00D879777S

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

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(54) **KEYBOARD**

D652,833 S \* 1/2012 Kim ..... D14/392  
D671,119 S \* 11/2012 Nokuo ..... D14/392  
8,313,259 B2 \* 11/2012 Luo ..... G06F 3/0202  
15/21.1

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(Continued)

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**FOREIGN PATENT DOCUMENTS**

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CN 304431916 \* 12/2017  
KR 300772847.0000 \* 11/2014

(Continued)

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

**OTHER PUBLICATIONS**

(21) Appl. No.: **29/629,000**

Mokibo Touchpad Embedded Keyboard, Innopresso, innopresso.com, author and date not listed © 2011 Innopresso, Inc., online, site visited Sep. 11, 2019. Available at URL: <https://www.innopresso.com/> (Year: 2019).\*

(Continued)

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

(52) **U.S. Cl.**  
USPC ..... **D14/392**

(58) **Field of Classification Search**  
USPC ..... D14/315–327, 391–399, 455–456;  
D18/1–2, 7, 11; 235/145 A, 145 R;  
341/22–23; 345/104, 156, 168–169, 173;  
361/679.08, 679.09, 679.11, 679.26,  
361/679.27  
CPC ..... B41J 5/00; B41J 5/10; B41J 5/12; F16M  
11/10

See application file for complete search history.

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(57) **CLAIM**

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

**DESCRIPTION**

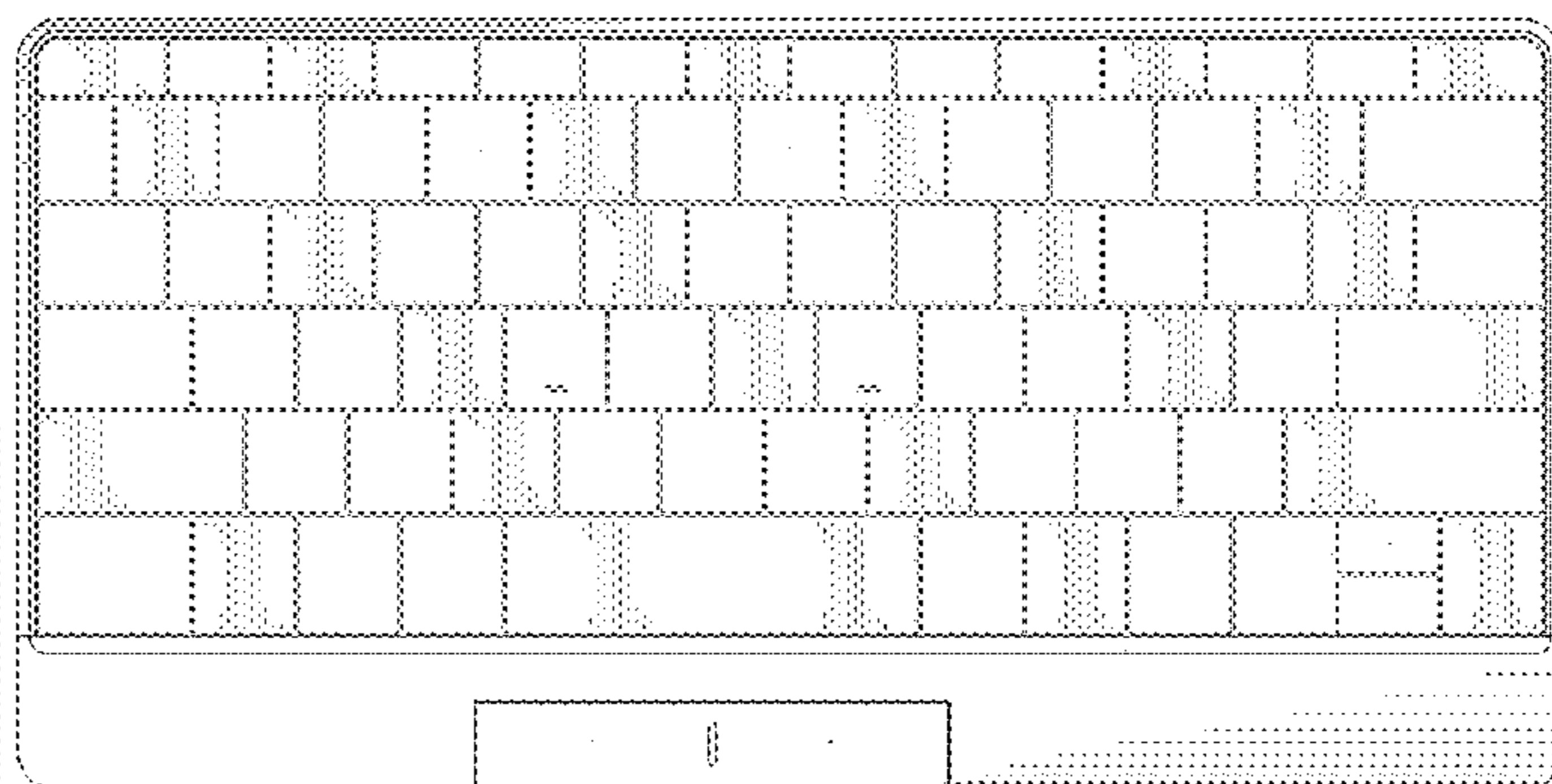
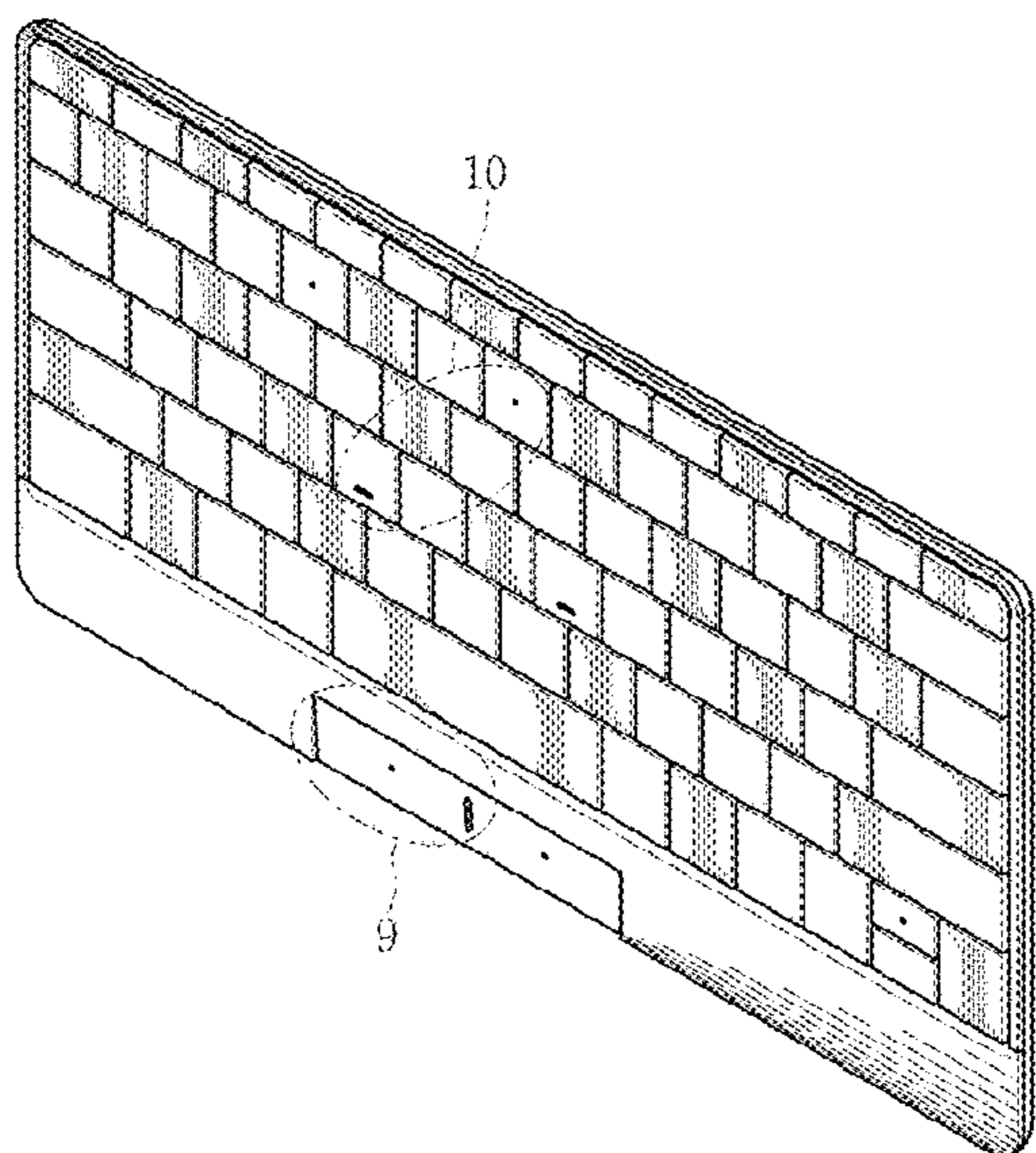
FIG. 1 is a top, front right perspective view of keyboard showing my new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a top view thereof;  
FIG. 7 is a bottom view thereof;  
FIG. 8 is a top, rear left perspective view thereof;  
FIG. 9 is an enlarged view along line 9 as shown in FIG. 1; and,  
FIG. 10 is an enlarged view along line 10 as shown in FIG. 1.

**1 Claim, 8 Drawing Sheets**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,439,304 A \* 8/1995 Phillips ..... B41J 5/105  
400/485  
D399,497 S \* 10/1998 Iino ..... D14/320  
D444,133 S \* 6/2001 Katz ..... D14/331  
D543,544 S \* 5/2007 Cheng ..... D14/392  
D547,759 S \* 7/2007 DeMaio ..... D14/392  
D607,884 S \* 1/2010 Lee ..... D14/392  
D608,783 S \* 1/2010 Lee ..... D14/392  
D612,381 S \* 3/2010 Lee ..... D14/392  
D616,440 S \* 5/2010 Lee ..... D14/392



(56)

References Cited

U.S. PATENT DOCUMENTS

D672,360 S \* 12/2012 Lee ..... D14/392  
 D676,048 S \* 2/2013 McManigal ..... D14/392  
 D683,731 S \* 6/2013 Chiu ..... D14/345  
 D692,432 S \* 10/2013 Liu ..... D14/440  
 8,599,542 B1 \* 12/2013 Healey ..... G06F 1/1626  
 8,693,176 B2 \* 4/2014 Morino ..... G06F 1/1616  
 220/601  
 D705,227 S \* 5/2014 Groene ..... D14/392  
 D720,748 S \* 1/2015 Groene ..... D14/392  
 D729,792 S \* 5/2015 Kurimoto ..... D14/315  
 D735,196 S \* 7/2015 Son ..... D14/392  
 D745,520 S \* 12/2015 Jiang ..... D14/392  
 D745,521 S \* 12/2015 Jiang ..... D14/392  
 D751,553 S \* 3/2016 Kim ..... D14/392  
 D754,659 S \* 4/2016 Kim ..... D14/392  
 9,612,666 B2 \* 4/2017 Cho ..... G06F 3/0219  
 D807,363 S \* 1/2018 Hallier ..... D14/440  
 D811,398 S \* 2/2018 Ca ..... D14/392  
 D813,235 S \* 3/2018 Rosenberg ..... D14/391  
 D819,639 S \* 6/2018 Raken ..... D14/391  
 D826,226 S \* 8/2018 Schoenith ..... D14/315  
 D827,633 S \* 9/2018 Wang ..... D14/315  
 D842,856 S \* 3/2019 Lam ..... D14/345  
 D854,013 S \* 7/2019 van Hooft ..... D14/392  
 D854,024 S \* 7/2019 Fenton ..... D14/455  
 D864,203 S \* 10/2019 Zhang ..... D14/392  
 2008/0174458 A1 \* 7/2008 Mundt ..... G06F 1/1616  
 341/34

2012/0163893 A1 \* 6/2012 Liu ..... G06F 3/0221  
 400/489  
 2013/0107438 A1 \* 5/2013 Lee ..... G06F 3/0221  
 361/679.08  
 2013/0142558 A1 \* 6/2013 Griffin ..... G06F 3/0216  
 400/486  
 2014/0146445 A1 \* 5/2014 Lai ..... G06F 3/0202  
 361/679.1  
 2015/0185862 A1 \* 7/2015 Chen ..... G06F 3/0202  
 361/679.08  
 2017/0009934 A1 \* 1/2017 van Hooft ..... G06F 1/1616  
 2017/0322663 A1 \* 11/2017 Lee ..... G06F 3/0416  
 2018/0232061 A1 \* 8/2018 Cho ..... G06F 3/0213

FOREIGN PATENT DOCUMENTS

KR 300872202.0000 \* 9/2016  
 KR 300879416.0000 \* 11/2016

OTHER PUBLICATIONS

Touchpad Embedded Keyboard, Mokibo, youtube.com, published by Mokibo on Jan. 4, 2017 © not listed, online, site visited Nov. 18, 2019. Available at URL: <https://www.youtube.com/watch?v=9SempN-w-aU> (Year: 2017).\*

Moky InvisibleTouchpad Keyboard, Jeffrey Eunhyung Cho, tablet-news.com, published by Radu Iorga on Jun. 6, 2015 © Tablet-News.com, online, site visited Nov. 18, 2019. URL: <https://tablet-news.com/moky-keyboard-integrates-an-invisible-touchpad-all-over-the-keyboard-becomes-indiegogo-hit-video/> (Year: 2015).\*

\* cited by examiner

FIG. 1

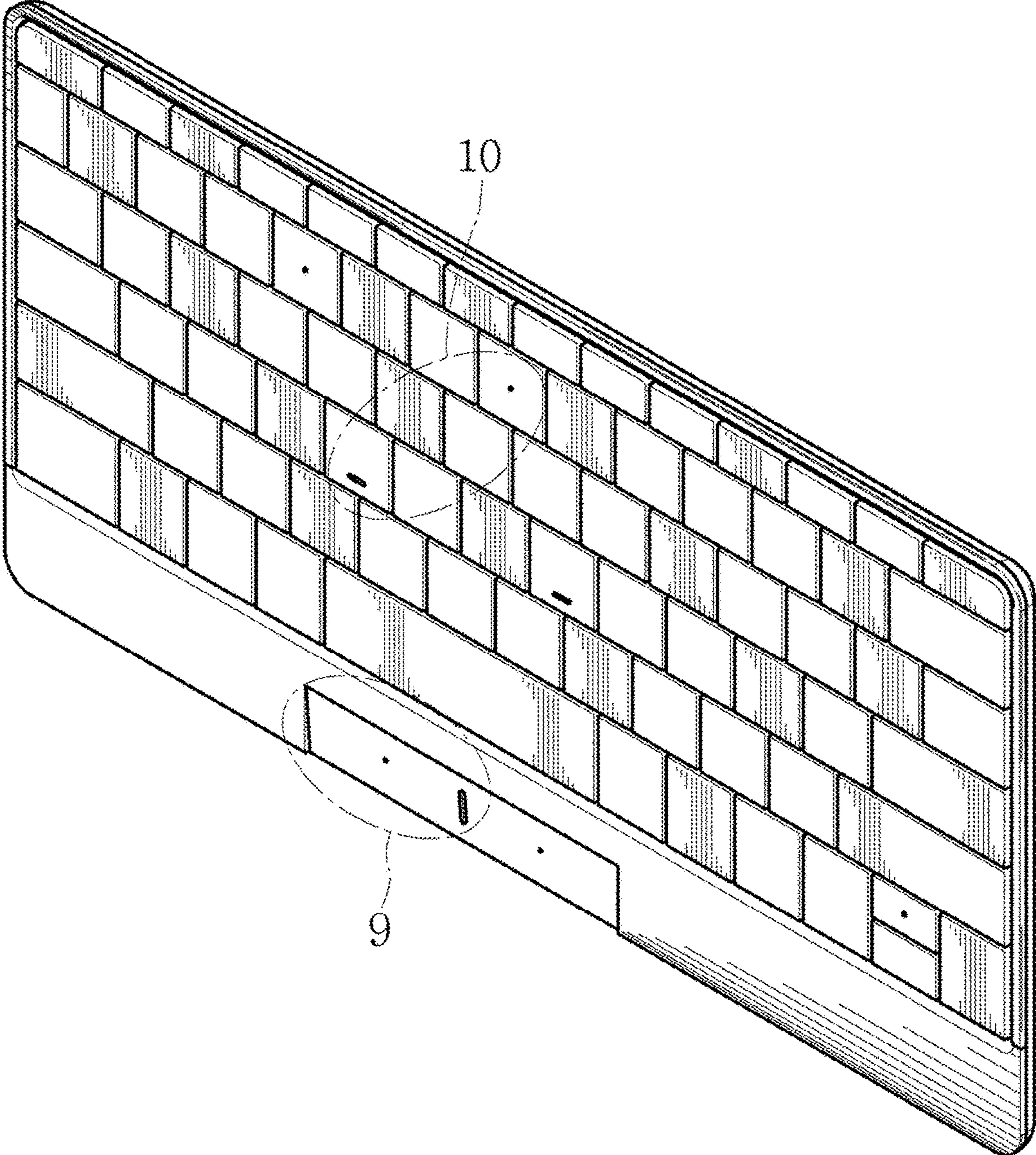


FIG. 2

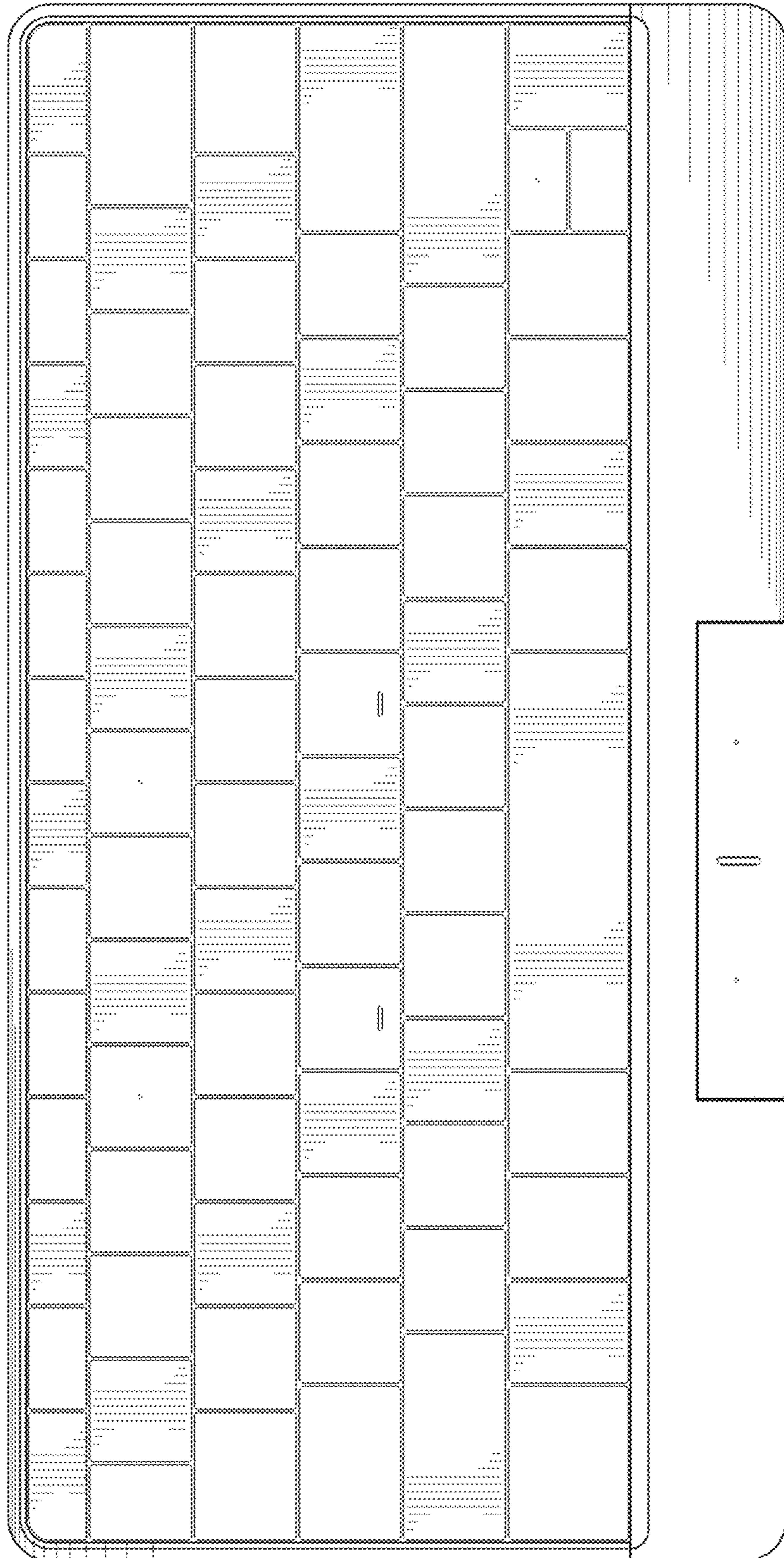


FIG. 3

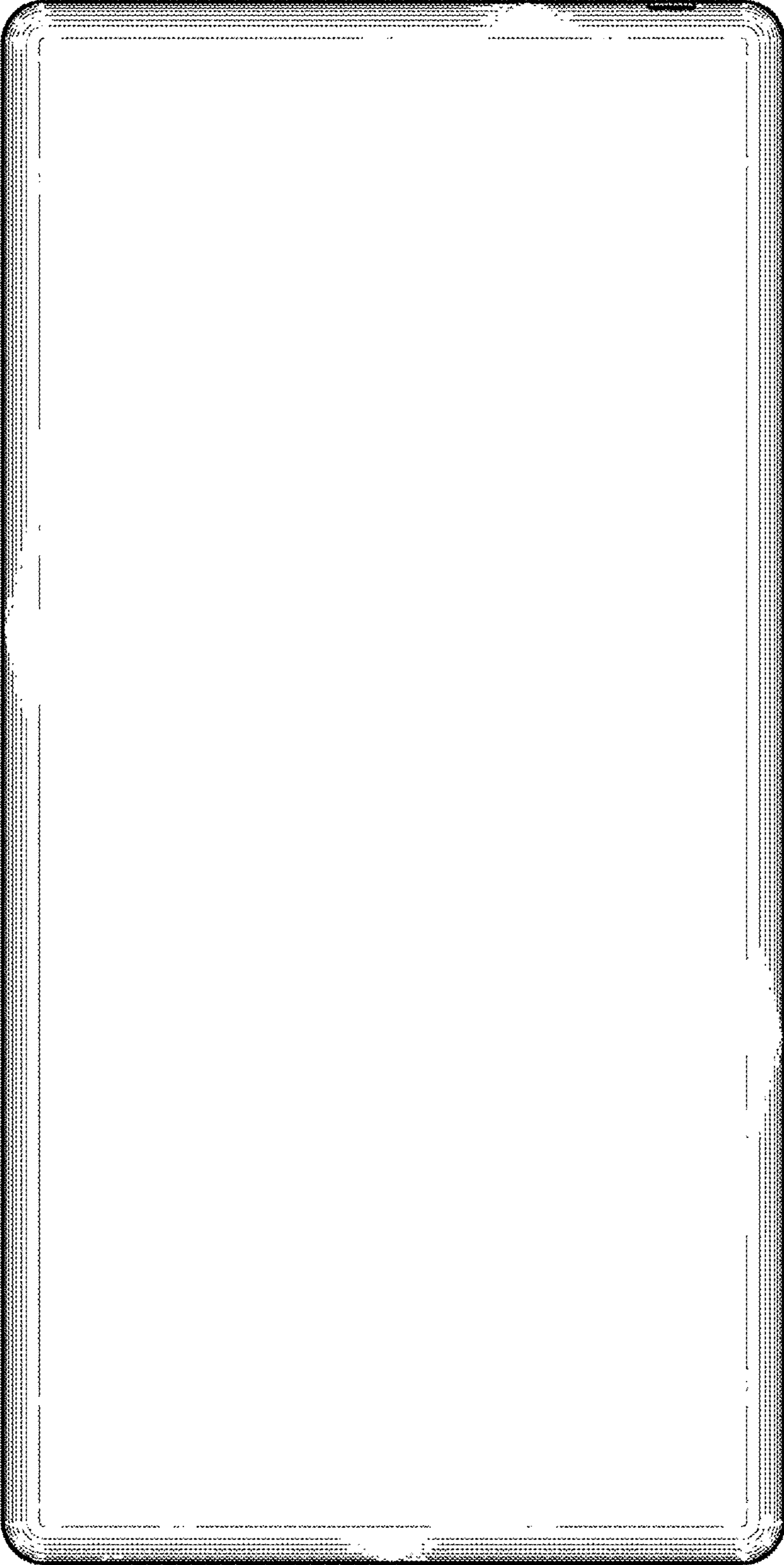


FIG. 4

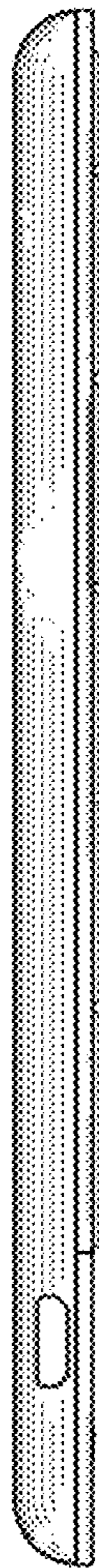


FIG. 5



FIG. 6

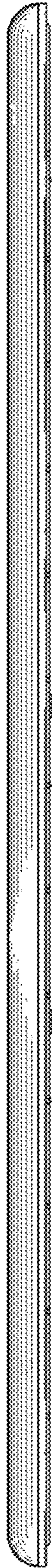


FIG. 7



FIG. 8





FIG. 9

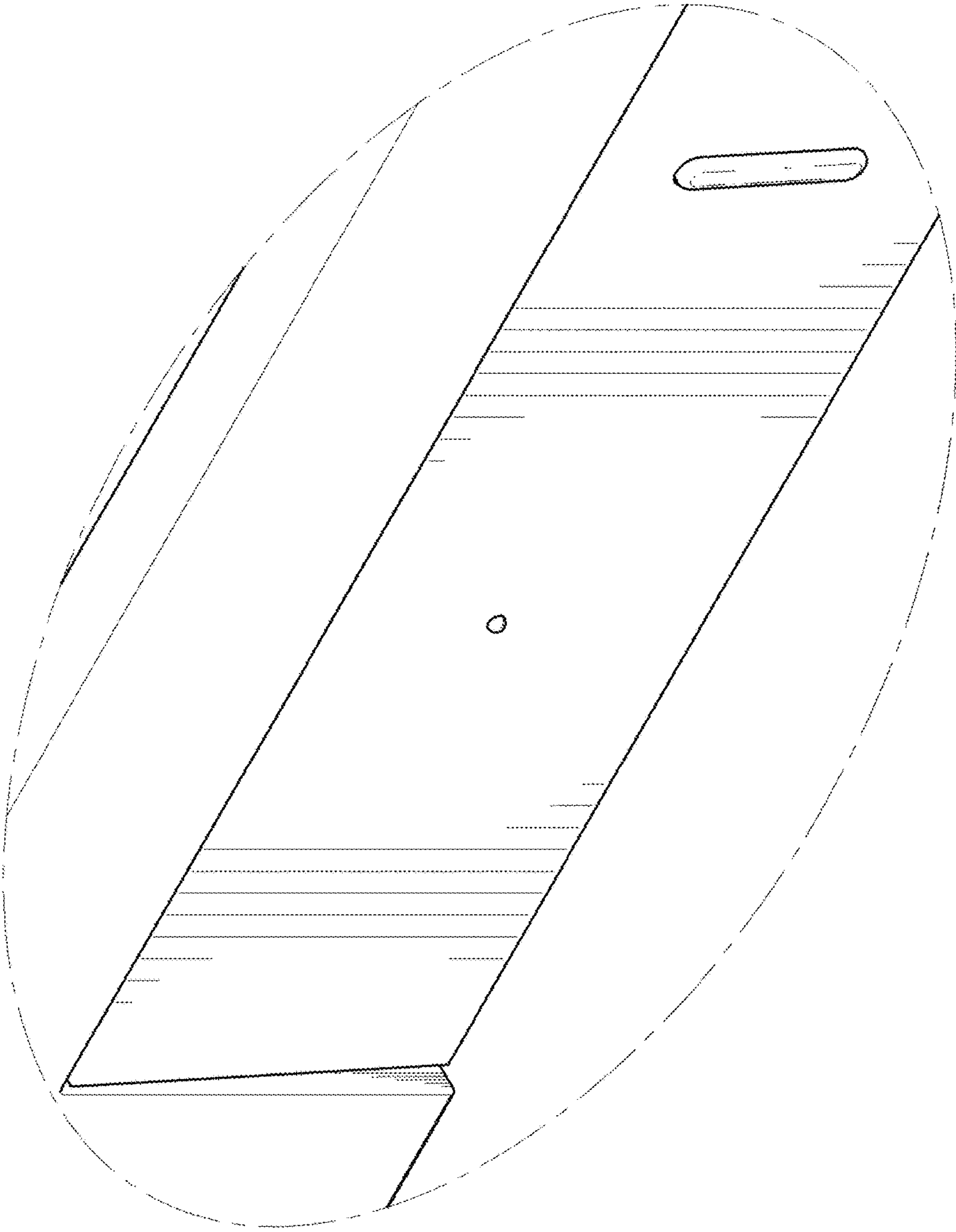


FIG. 10

