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(12) **United States Design Patent** (10) **Patent No.:** **US D888,049 S**  
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(54) **ELECTRONIC DEVICE**

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(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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

(21) Appl. No.: **29/625,109**

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a continuation of application No. 29/574,078, filed on Aug. 11, 2016, now Pat. No. Des. 803,825.

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

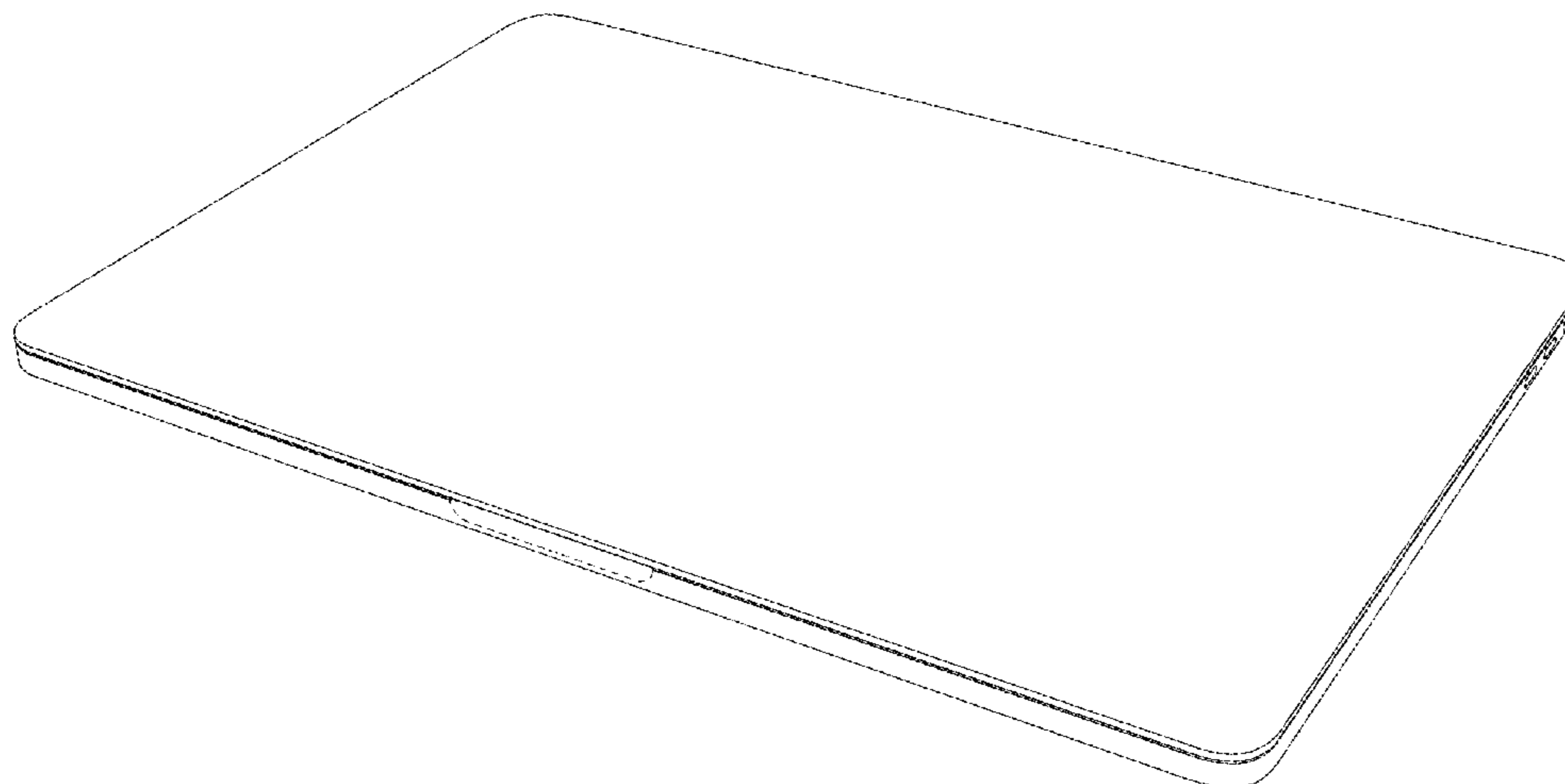
(52) **U.S. Cl.**  
USPC ..... **D14/318**

(58) **Field of Classification Search**  
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CPC .... G06F 1/1601; G06F 1/1616; G06F 1/1618; G06F 1/162; G06F 1/1681; H01R 35/02; H05K 5/00; H05K 5/02; H05K 5/0226; H04M 1/00; H04M 1/2479; H04M 1/72519; H04M 11/066; H04M 2201/38  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

|               |         |                   |                        |
|---------------|---------|-------------------|------------------------|
| D264,969 S    | 6/1982  | McGourty          |                        |
| 4,976,435 A   | 12/1990 | Shatford et al.   |                        |
| 5,192,082 A   | 3/1993  | Inoue et al.      |                        |
| D345,346 S    | 3/1994  | Alfonso et al.    |                        |
| D349,923 S    | 8/1994  | Billings et al.   |                        |
| D359,306 S    | 6/1995  | Lande et al.      |                        |
| D362,272 S    | 9/1995  | Luong             |                        |
| D362,461 S    | 9/1995  | Luong             |                        |
| D378,686 S    | 4/1997  | Proctor et al.    |                        |
| 5,623,391 A * | 4/1997  | Chase             | G06F 1/1605<br>248/917 |
| 5,661,632 A   | 8/1997  | Register          |                        |
| D385,299 S    | 10/1997 | Adams             |                        |
| D386,521 S    | 11/1997 | Eisenbaum         |                        |
| 5,694,292 A   | 12/1997 | Paulsel et al.    |                        |
| 5,694,294 A   | 12/1997 | Ohashi et al.     |                        |
| 5,713,790 A   | 2/1998  | Lin               |                        |
| D391,927 S    | 3/1998  | Faranda et al.    |                        |
| D396,452 S    | 7/1998  | Naruki            |                        |
| 5,793,355 A   | 8/1998  | Youens            |                        |
| D399,526 S    | 10/1998 | Brady             |                        |
| D402,310 S    | 12/1998 | Hendricks         |                        |
| D410,028 S    | 5/1999  | Fyffe             |                        |
| D412,940 S    | 8/1999  | Kato et al.       |                        |
| 5,964,661 A   | 10/1999 | Dodge             |                        |
| D416,238 S    | 11/1999 | Irie et al.       |                        |
| 6,038,128 A   | 3/2000  | Hood et al.       |                        |
| D425,558 S    | 5/2000  | Tarpenning et al. |                        |
| D425,874 S    | 5/2000  | Tanimura          |                        |
| 6,067,224 A   | 5/2000  | Nobuchi           |                        |
| D430,117 S    | 8/2000  | Sachs et al.      |                        |
| D430,169 S    | 8/2000  | Scibora           |                        |



# US D888,049 S

|              |         |                   |                 |         |                  |                           |
|--------------|---------|-------------------|-----------------|---------|------------------|---------------------------|
| D431,821 S   | 10/2000 | Mizuno            | D616,488 S      | 6/2010  | Andre et al.     |                           |
| 6,166,737 A  | 12/2000 | Lee et al.        | D616,880 S      | 6/2010  | Andre et al.     |                           |
| D437,860 S   | 2/2001  | Suzuki et al.     | D616,881 S      | 6/2010  | Andre et al.     |                           |
| D445,787 S   | 7/2001  | Francis           | D617,789 S      | 6/2010  | Akana et al.     |                           |
| 6,254,477 B1 | 7/2001  | Sasaki et al.     | 7,733,636 B2    | 6/2010  | Kobayashi et al. |                           |
| D448,810 S   | 10/2001 | Goto              | D621,409 S      | 8/2010  | Andre et al.     |                           |
| D449,606 S   | 10/2001 | Lee et al.        | D621,825 S      | 8/2010  | Andre et al.     |                           |
| D450,713 S   | 11/2001 | Matsamitsu et al. | D622,268 S      | 8/2010  | Hong et al.      |                           |
| D451,505 S   | 12/2001 | Iseki et al.      | D623,645 S      | 9/2010  | Andre et al.     |                           |
| D452,250 S   | 12/2001 | Chan              | D625,716 S      | 10/2010 | Andre et al.     |                           |
| D453,333 S   | 2/2002  | Chen              | D625,717 S      | 10/2010 | Andre et al.     |                           |
| D458,252 S   | 6/2002  | Palm et al.       | D633,087 S *    | 2/2011  | Andre .....      | D14/315                   |
| D463,797 S   | 10/2002 | Andre et al.      | D633,488 S      | 3/2011  | Kim et al.       |                           |
| D469,109 S   | 1/2003  | Andre et al.      | D633,907 S      | 3/2011  | Andre et al.     |                           |
| D472,245 S   | 3/2003  | Andre et al.      | D635,566 S      | 4/2011  | Andre et al.     |                           |
| D481,036 S   | 10/2003 | Wentt             | 7,948,752 B2    | 5/2011  | Tatsukami et al. |                           |
| 6,657,854 B2 | 12/2003 | Horii et al.      | D639,295 S      | 6/2011  | Andre et al.     |                           |
| D486,823 S   | 2/2004  | Kuo               | D642,172 S      | 7/2011  | Akana et al.     |                           |
| D487,457 S   | 3/2004  | Liu               | D642,560 S      | 8/2011  | Akana et al.     |                           |
| D487,742 S   | 3/2004  | Huang et al.      | D648,333 S      | 11/2011 | Andre et al.     |                           |
| D489,717 S   | 5/2004  | Hsieh             | D648,334 S      | 11/2011 | Andre et al.     |                           |
| D490,420 S   | 5/2004  | Solomon et al.    | D652,032 S      | 1/2012  | Akana et al.     |                           |
| D491,177 S   | 6/2004  | Andre et al.      | D654,072 S      | 2/2012  | Andre et al.     |                           |
| D491,933 S   | 6/2004  | Guo               | D655,704 S      | 3/2012  | Akana et al.     |                           |
| D491,936 S   | 6/2004  | Jao               | 8,139,352 B2    | 3/2012  | Yamamoto et al.  |                           |
| 6,744,623 B2 | 6/2004  | Numano et al.     | D657,786 S      | 4/2012  | Andre et al.     |                           |
| D493,785 S   | 8/2004  | Andre et al.      | 8,170,266 B2 *  | 5/2012  | Hopkinson .....  | H04R 1/023<br>361/679.01  |
| D494,164 S   | 8/2004  | Wu et al.         |                 |         |                  |                           |
| 6,771,494 B2 | 8/2004  | Shimano           | D661,296 S      | 6/2012  | Akana et al.     |                           |
| D497,618 S   | 10/2004 | Andre et al.      | D662,497 S      | 6/2012  | Akana et al.     |                           |
| D501,472 S   | 2/2005  | Kumano            | D664,537 S      | 7/2012  | Hu et al.        |                           |
| D501,660 S   | 2/2005  | Kumano            | 8,223,487 B2    | 7/2012  | Chen et al.      |                           |
| 6,876,546 B2 | 4/2005  | Tsao              | 8,238,090 B2    | 8/2012  | Watanabe         |                           |
| D504,889 S   | 5/2005  | Andre et al.      | 8,339,775 B2    | 12/2012 | Degner et al.    |                           |
| 6,932,525 B2 | 8/2005  | Trotman           | D674,382 S      | 1/2013  | Andre et al.     |                           |
| D512,997 S   | 12/2005 | Lee et al.        | D676,437 S      | 2/2013  | Akana et al.     |                           |
| 6,972,946 B2 | 12/2005 | Hamada et al.     | D676,438 S *    | 2/2013  | Akana .....      | D14/318                   |
| D513,509 S   | 1/2006  | Kawa              | D679,704 S      | 4/2013  | McManigal et al. |                           |
| D517,063 S   | 3/2006  | Nakajima et al.   | D679,705 S      | 4/2013  | McManigal et al. |                           |
| 7,012,802 B2 | 3/2006  | Nakajima et al.   | D682,821 S      | 5/2013  | Kim et al.       |                           |
| 7,035,665 B2 | 4/2006  | Kido et al.       | D682,824 S *    | 5/2013  | Kim .....        | D14/315                   |
| D523,429 S   | 6/2006  | Lin               | D685,784 S      | 7/2013  | Ma               |                           |
| D524,306 S   | 7/2006  | Yun et al.        | D686,202 S *    | 7/2013  | Lee .....        | D14/315                   |
| D526,999 S   | 8/2006  | Tago              | D686,205 S *    | 7/2013  | Akana .....      | D14/318                   |
| D527,730 S   | 9/2006  | Dong              | D686,611 S *    | 7/2013  | Lin .....        | D14/315                   |
| D529,907 S   | 10/2006 | Dong              | D687,030 S      | 7/2013  | Andre et al.     |                           |
| D533,550 S   | 12/2006 | Yamada            | D687,031 S      | 7/2013  | Chen et al.      |                           |
| D547,310 S   | 7/2007  | Yoon              | D691,128 S      | 10/2013 | Akana et al.     |                           |
| D556,192 S   | 11/2007 | Jeong et al.      | D691,129 S      | 10/2013 | Akana et al.     |                           |
| D558,752 S   | 1/2008  | Andre et al.      | D694,748 S      | 12/2013 | Okuley et al.    |                           |
| D558,753 S   | 1/2008  | Andre et al.      | D696,244 S      | 12/2013 | Akana et al.     |                           |
| D571,364 S   | 6/2008  | Andre et al.      | D696,569 S      | 12/2013 | Chen et al.      |                           |
| D572,246 S   | 7/2008  | Andre et al.      | D696,660 S      | 12/2013 | Chen et al.      |                           |
| D572,247 S   | 7/2008  | Andre et al.      | D696,661 S      | 12/2013 | Chen et al.      |                           |
| D574,378 S   | 8/2008  | Andre et al.      | 8,616,748 B1 *  | 12/2013 | Degner .....     | G06F 1/1616<br>361/679.02 |
| 7,426,113 B2 | 9/2008  | Ikeno et al.      |                 |         |                  |                           |
| D581,411 S * | 11/2008 | Kumano .....      | 8,687,359 B2    | 4/2014  | Thobald et al.   |                           |
| D589,507 S   | 3/2009  | Andre et al.      | 8,734,036 B2    | 5/2014  | Hirsch           |                           |
| D600,688 S   | 9/2009  | Andre et al.      | D706,759 S      | 6/2014  | Myung et al.     |                           |
| D601,556 S   | 10/2009 | Iseki             | D706,772 S      | 6/2014  | Koyama et al.    |                           |
| D603,861 S   | 11/2009 | Hong et al.       | D708,176 S      | 7/2014  | Akana et al.     |                           |
| D604,289 S   | 11/2009 | Andre et al.      | D708,179 S      | 7/2014  | Andre et al.     |                           |
| D604,290 S   | 11/2009 | Andre et al.      | 8,831,261 B2 *  | 9/2014  | Casebolt .....   | H04R 1/02<br>381/333      |
| D604,291 S * | 11/2009 | Andre .....       |                 |         |                  |                           |
| D604,292 S   | 11/2009 | Andre et al.      | D717,787 S      | 11/2014 | Jung et al.      |                           |
| D604,293 S   | 11/2009 | Andre et al.      | D719,149 S      | 12/2014 | Matsuoka         |                           |
| D604,294 S   | 11/2009 | Andre et al.      | 8,947,874 B2    | 2/2015  | Andre et al.     |                           |
| D606,068 S   | 12/2009 | Hong et al.       | D723,539 S *    | 3/2015  | Andre .....      | D14/315                   |
| D606,534 S   | 12/2009 | Hong et al.       | D729,227 S      | 5/2015  | Fukuoka          |                           |
| D606,988 S   | 12/2009 | Andre et al.      | D741,316 S      | 10/2015 | Andre et al.     |                           |
| D606,989 S   | 12/2009 | Andre et al.      | D776,107 S      | 1/2017  | Akana et al.     |                           |
| D607,450 S   | 1/2010  | Morishita et al.  | D787,500 S *    | 5/2017  | Akana .....      | D14/315                   |
| 7,660,104 B2 | 2/2010  | Ligtenberg        | D803,825 S *    | 11/2017 | Akana .....      | D14/315                   |
| D611,043 S   | 3/2010  | Andre et al.      | D806,701 S *    | 1/2018  | Akana .....      | D14/315                   |
| D611,044 S   | 3/2010  | Andre et al.      | D816,661 S *    | 5/2018  | Akana .....      | D14/315                   |
| D611,045 S   | 3/2010  | Andre et al.      | 2005/0008418 A1 | 1/2005  | Green            |                           |
| D611,469 S   | 3/2010  | Andre et al.      | 2005/0180794 A1 | 8/2005  | Parkinson        |                           |
| D612,843 S   | 3/2010  | Andre et al.      | 2005/0207817 A1 | 9/2005  | Jenkins          |                           |
| D613,284 S   | 4/2010  | Solomon et al.    | 2006/0147239 A1 | 7/2006  | Kuriss           |                           |

|              |     |         |               |                             |
|--------------|-----|---------|---------------|-----------------------------|
| 2006/0257191 | A1  | 11/2006 | Artus         |                             |
| 2008/0074833 | A1  | 3/2008  | Chien et al.  |                             |
| 2010/0067182 | A1  | 3/2010  | Tanaka et al. |                             |
| 2011/0255727 | A1  | 10/2011 | Azuchi        |                             |
| 2012/0099263 | A1  | 4/2012  | Lin           |                             |
| 2013/0327556 | A1* | 12/2013 | Casebolt      | ..... G06F 1/1616<br>174/82 |

FOREIGN PATENT DOCUMENTS

|    |                 |         |
|----|-----------------|---------|
| CN | 301384975       | 11/2010 |
| JP | 1128620         | 12/2001 |
| JP | 1438161         | 4/2012  |
| JP | 1469539         | 5/2013  |
| KR | 30-0608518-0000 | 8/2011  |
| KR | 30-0613298-0000 | 9/2011  |
| KR | 30-0687340-0000 | 4/2013  |

OTHER PUBLICATIONS

Sony X505, available at least as early as May 8, 2005.  
 HP Compaq Tablet PC TC 1100, [http://web.archive.org/web/20040726084509/h\\_18000.www1.hp.com/products/tabletpc/](http://web.archive.org/web/20040726084509/h_18000.www1.hp.com/products/tabletpc/), downloaded Aug. 27, 2004.  
 Tablet PC V1100, <http://web.archive.org/web/20040714060448/www.viewsonic.com/products/desktopdisplays/tabletpc/tabletpcv1100/>, downloaded Aug. 27, 2004.  
 VIA Tablet PC Reference Design: The Digital Notepad, <http://www.via.com/en/initiatives/spearhead/information-pc/>, downloaded Aug. 27, 2004.  
 ViewPad 1000, [http://www.viewsonic.com/support/mobilewireless/tabletpc/viewpad1000\\_index.htm](http://www.viewsonic.com/support/mobilewireless/tabletpc/viewpad1000_index.htm), downloaded Aug. 27, 2004.  
 Photographs of Sony VAIO PCG-4G1L, available at least as early as May 8, 2006.  
 Apple PowerBook G4 Titanium, available at least as early as Jan. 1, 2001.  
 Apple PowerBook G4 Aluminum, available at least as early as Jan. 1, 2003.  
 Apple MacBook Pro, available at least as early as Jan. 10, 2006.  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_ga101\\_20080115.jpg](http://images.apple.com/macbookair/images/design_ga101_20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_ga102\\_20080115.jpg](http://images.apple.com/macbookair/images/design_ga102_20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_ga103\\_20080115.jpg](http://images.apple.com/macbookair/images/design_ga103_20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_ga104\\_20080115.jpg](http://images.apple.com/macbookair/images/design_ga104_20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_thinair20080115](http://images.apple.com/macbookair/images/design_thinair20080115).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_displayair20080115.jpg](http://images.apple.com/macbookair/images/design_displayair20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_keyboardair20080115.jpg](http://images.apple.com/macbookair/images/design_keyboardair20080115.jpg).  
 Apple MacBook Air, available Jan. 15, 2008, [http://images.apple.com/macbookair/images/design\\_ga108\\_20080115.jpg](http://images.apple.com/macbookair/images/design_ga108_20080115.jpg).  
 Appendix in U.S. Appl. No. 29/201,636, entitled "Electronic Device" filed Mar. 17, 2004, now U.S. Pat. No. D. 504,889.  
 Olidata Altro, available at least as early as Jun. 1, 2009.  
 Olidata Altro, <http://notebookitalia.it/olidata-altro-italian-style-notebook-culy-5674.html>, published Mar. 3, 2009.

Rudi, 13-inch MacBook Air has a modern interior, Nov. 2, 2011, prohardver, 2pgs.  
 Sharp Corporation, Sharp Releases Notebook PC with Optical Sensor LCD Pad, "Mebius", <http://www.sharp.co.jp/corporate/news/090421-a.html>, available as early as Apr. 21, 2009.  
 Designboom, Lenovo Yoga 3 Pro Laptop's Flexible-Use Stabilized by Watchband Hinge, <http://www.designboom.com/technology/lenovo-yoga-3-pro-laptop-10-10-2014/>, available as early as Oct. 10, 2014.  
 Mark Gurman, Apple's next major Mac revealed: the radically new 12-inch MacBook Air, <https://9to5mac.com/2015/01/06/macbook-air-12-inch-redesign/>, available as early as Jan. 6, 2015.  
 Best Buy Co., Inc., <http://www.bestbuy.com/site/olspage.jsp?id=cat13506&type=page&skuId=9441909&productId=1218105184065&navigation=next&count=1&chk=true&h=387>, available as early as Sep. 4, 2009.  
 17-inch Apple MacBook Pro Review, [http://www.laptopmag.com/uploadedimages/review/laptops/2009/apple/macbook\\_pro\\_2561g.jpg](http://www.laptopmag.com/uploadedimages/review/laptops/2009/apple/macbook_pro_2561g.jpg), available as early as Feb. 25, 2009.

\* cited by examiner

*Primary Examiner* — Sandra S Snapp  
*Assistant Examiner* — Katherine Glennon  
 (74) *Attorney, Agent, or Firm* — Saidman DesignLaw Group, LLC

(57) CLAIM

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

DESCRIPTION

FIG. 1 is a closed top front perspective view of an electronic device showing our new design;  
 FIG. 2 is a closed bottom rear perspective view thereof;  
 FIG. 3 is a closed front view thereof;  
 FIG. 4 is a closed rear view thereof;  
 FIG. 5 is a closed left side view thereof;  
 FIG. 6 is a closed right side view thereof;  
 FIG. 7 is a closed top view thereof;  
 FIG. 8 is a closed bottom view thereof;  
 FIG. 9 is an open top front perspective view thereof;  
 FIG. 10 is an open bottom rear perspective view thereof;  
 FIG. 11 is an open front view thereof;  
 FIG. 12 is an open rear view thereof;  
 FIG. 13 is an open left side view thereof;  
 FIG. 14 is an open right side view thereof;  
 FIG. 15 is an open top view thereof; and,  
 FIG. 16 is an open bottom view thereof.  
 The oblique shade lines illustrate a transparent surface.  
 The broken lines illustrate structure or features which form no part of the claimed design.

1 Claim, 13 Drawing Sheets

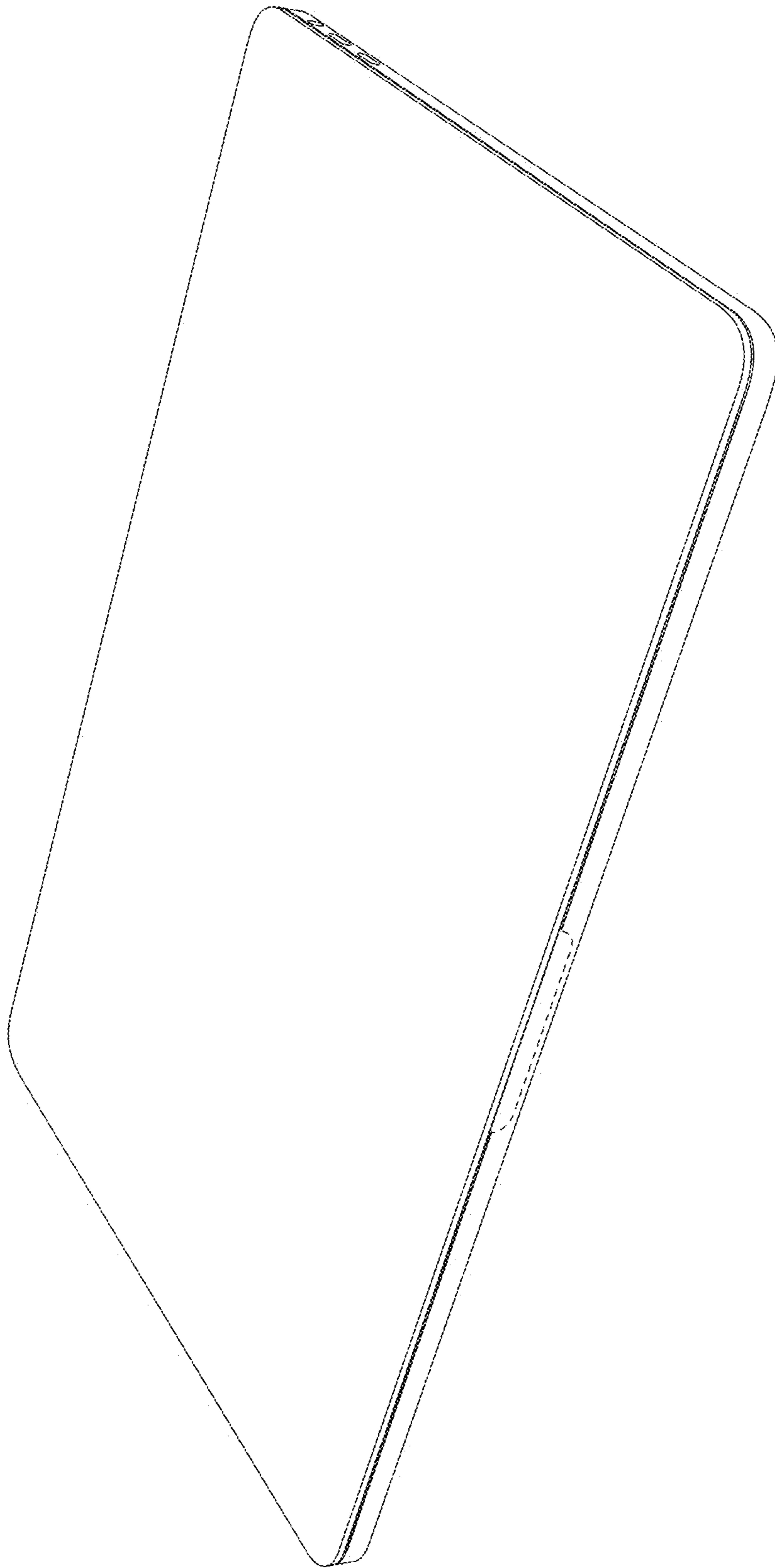


FIG. 1

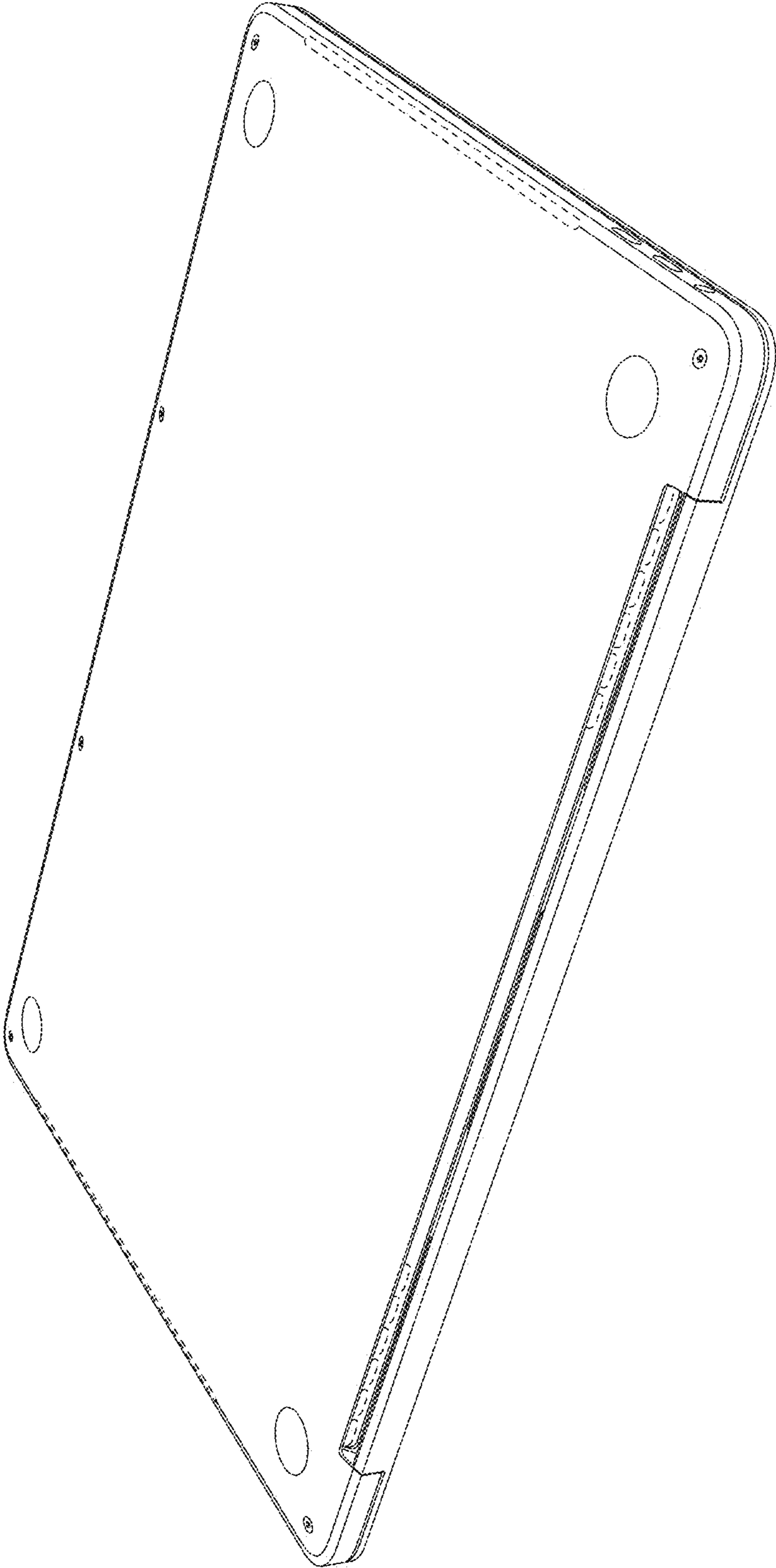


FIG. 2

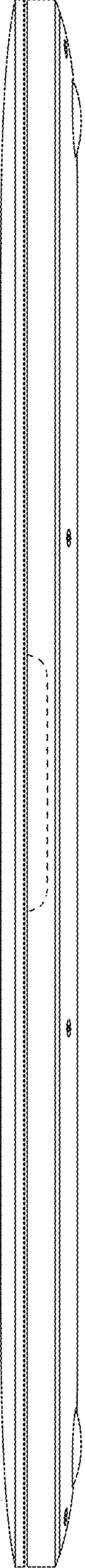


FIG. 3

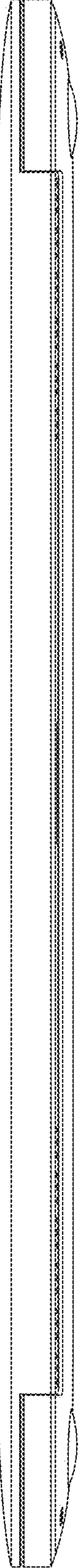


FIG. 4

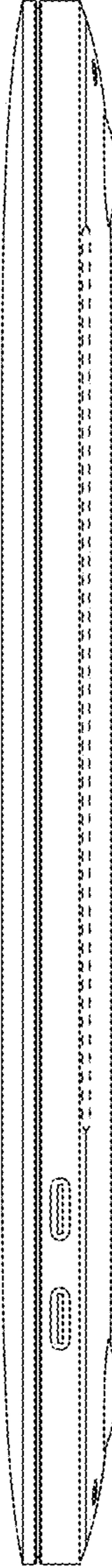


FIG. 5

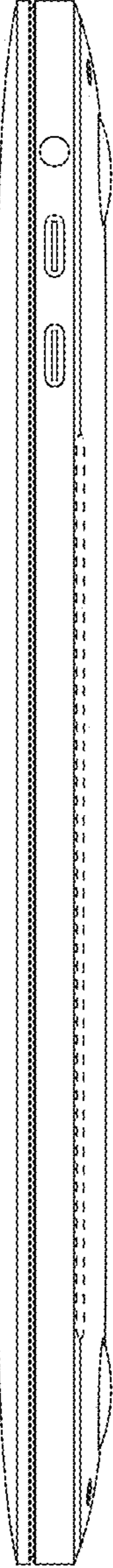


FIG. 6



**FIG. 7**

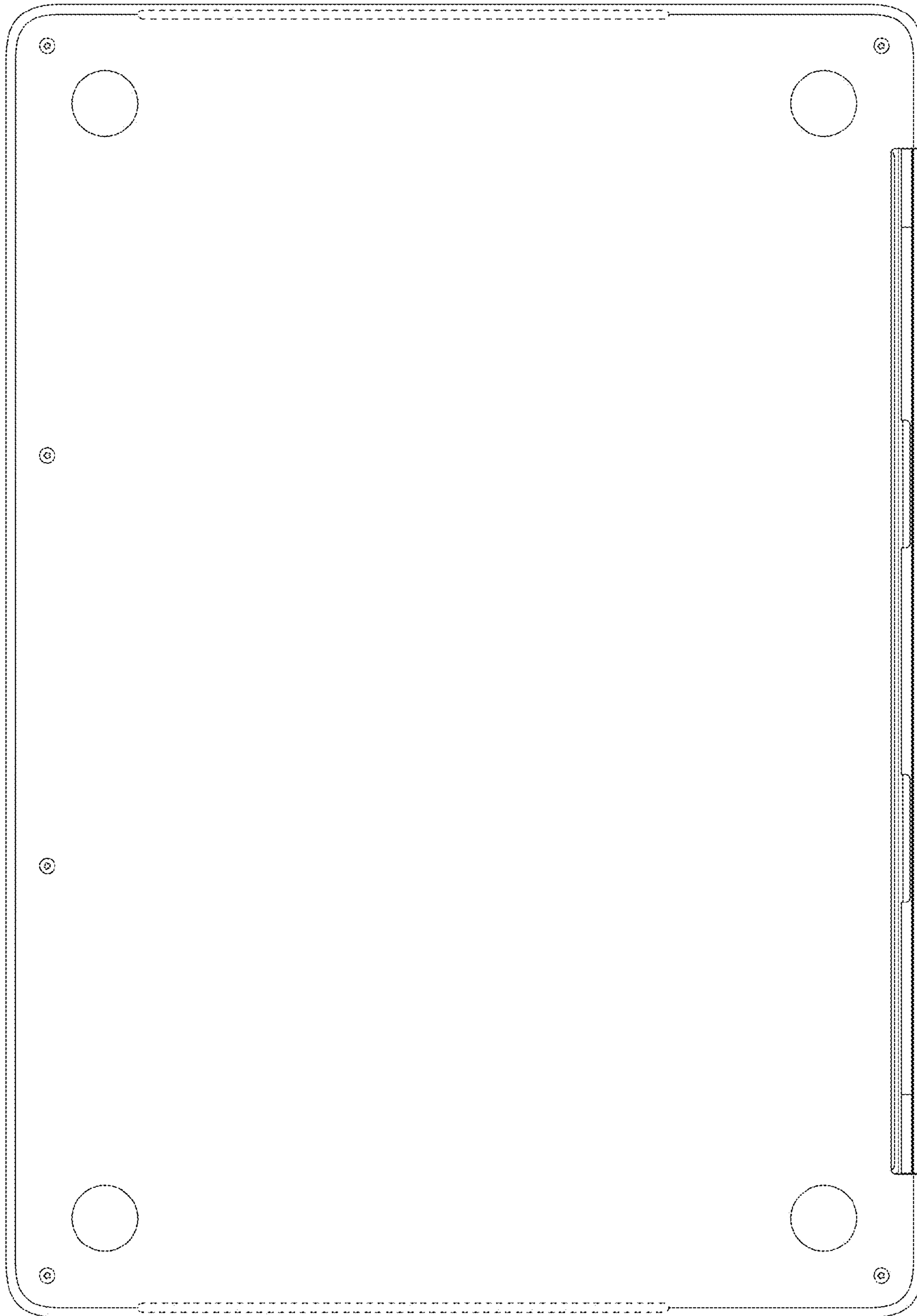


FIG. 8



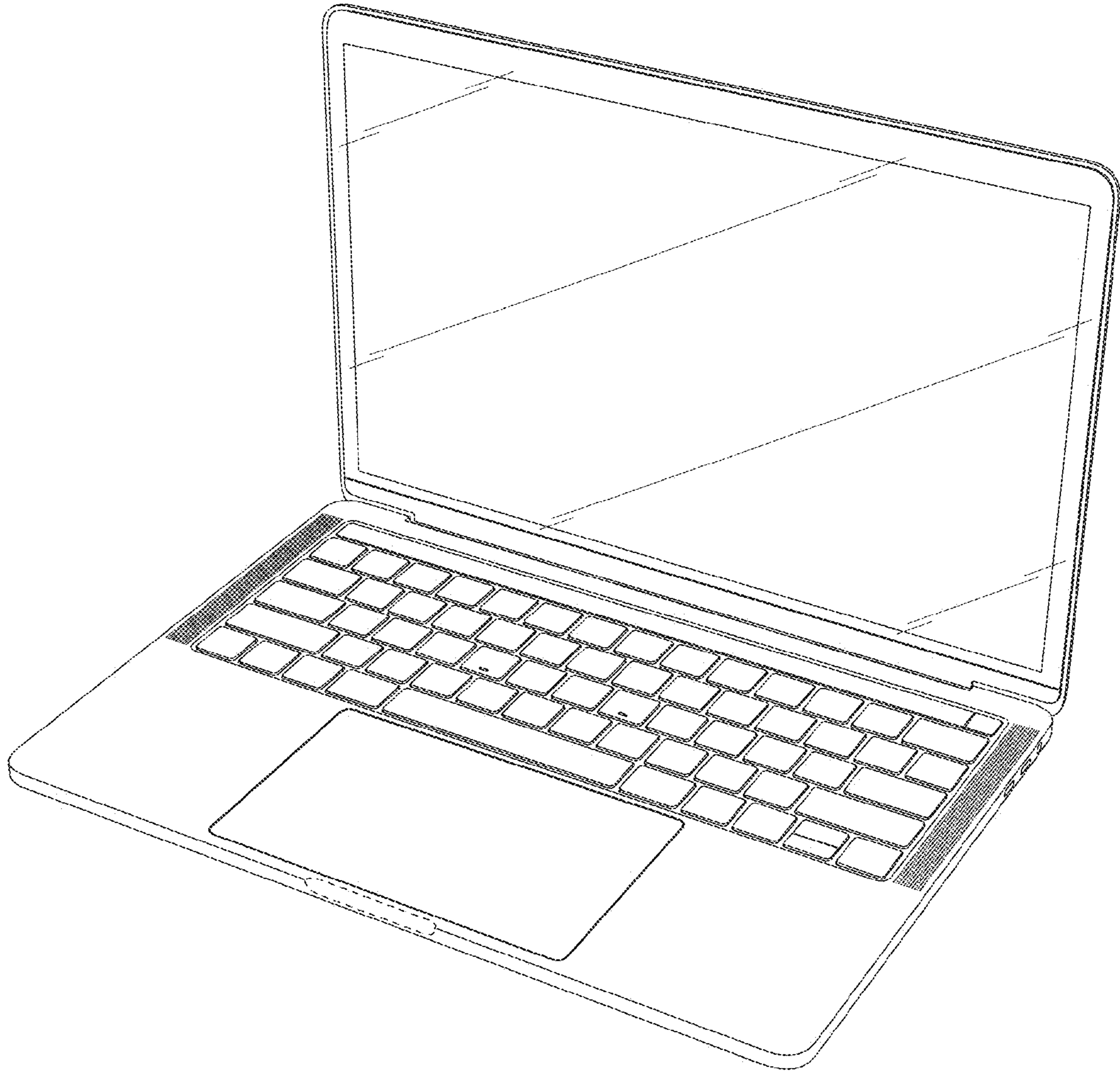


FIG. 9

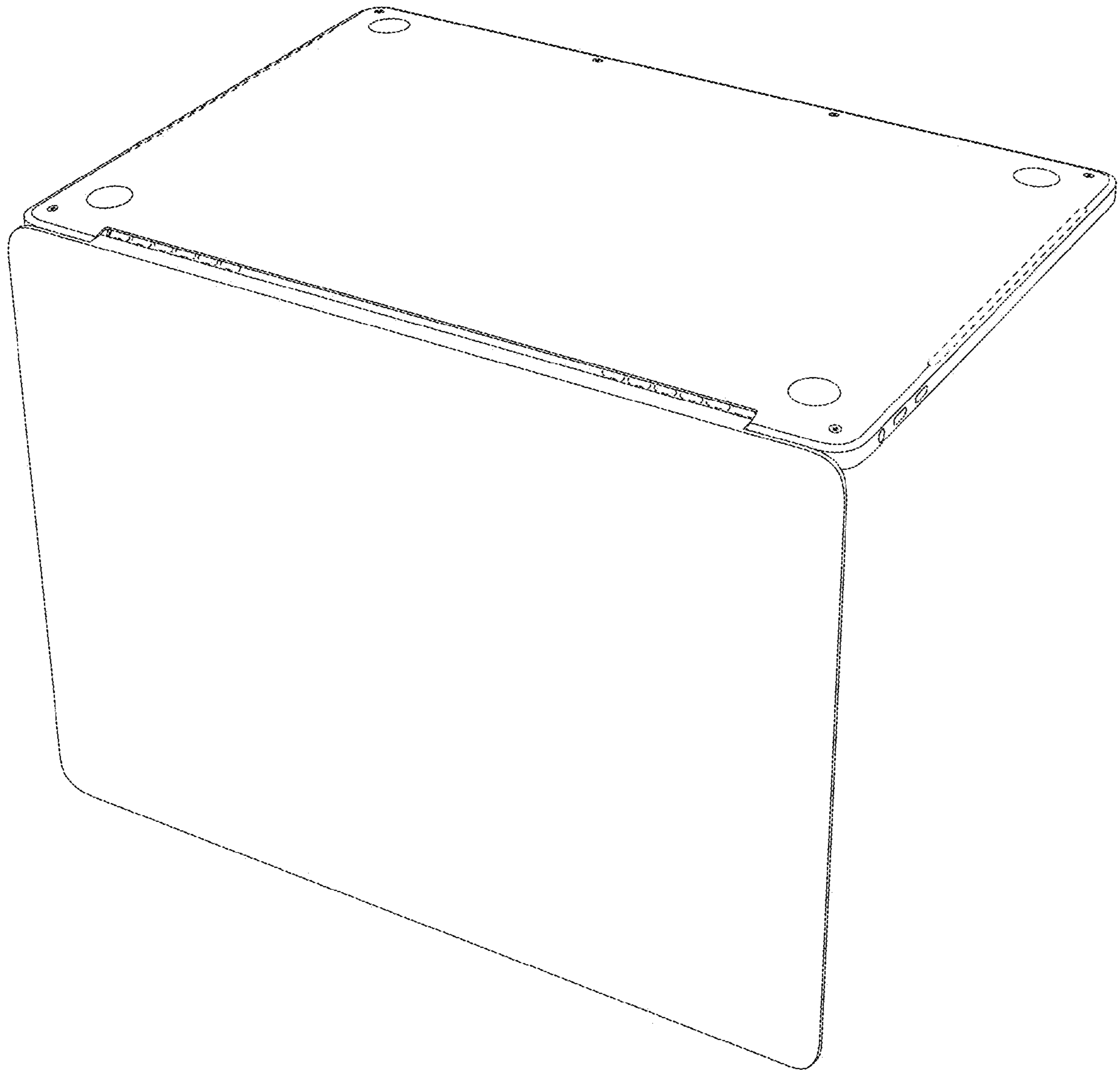


FIG. 10

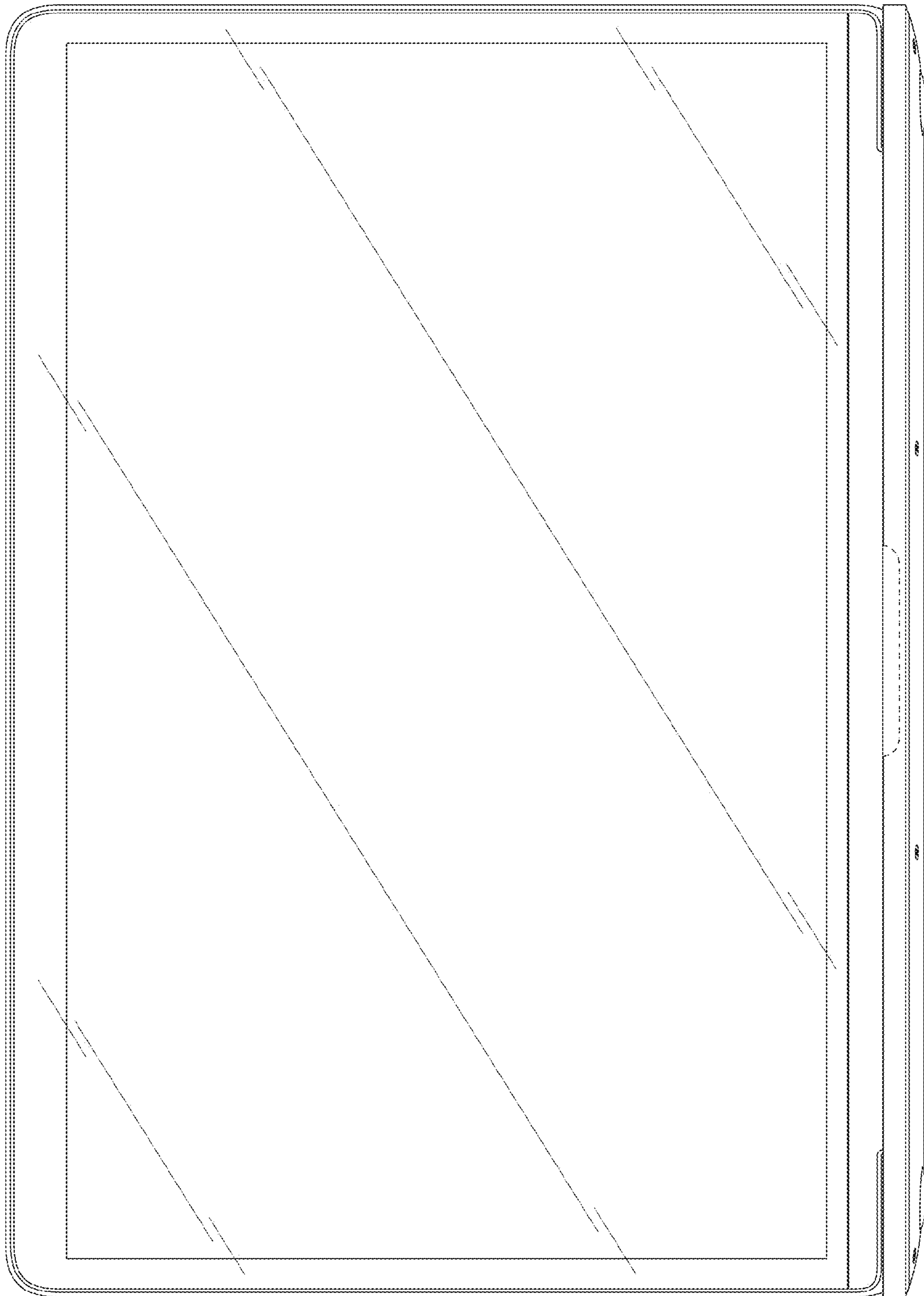


FIG. 11

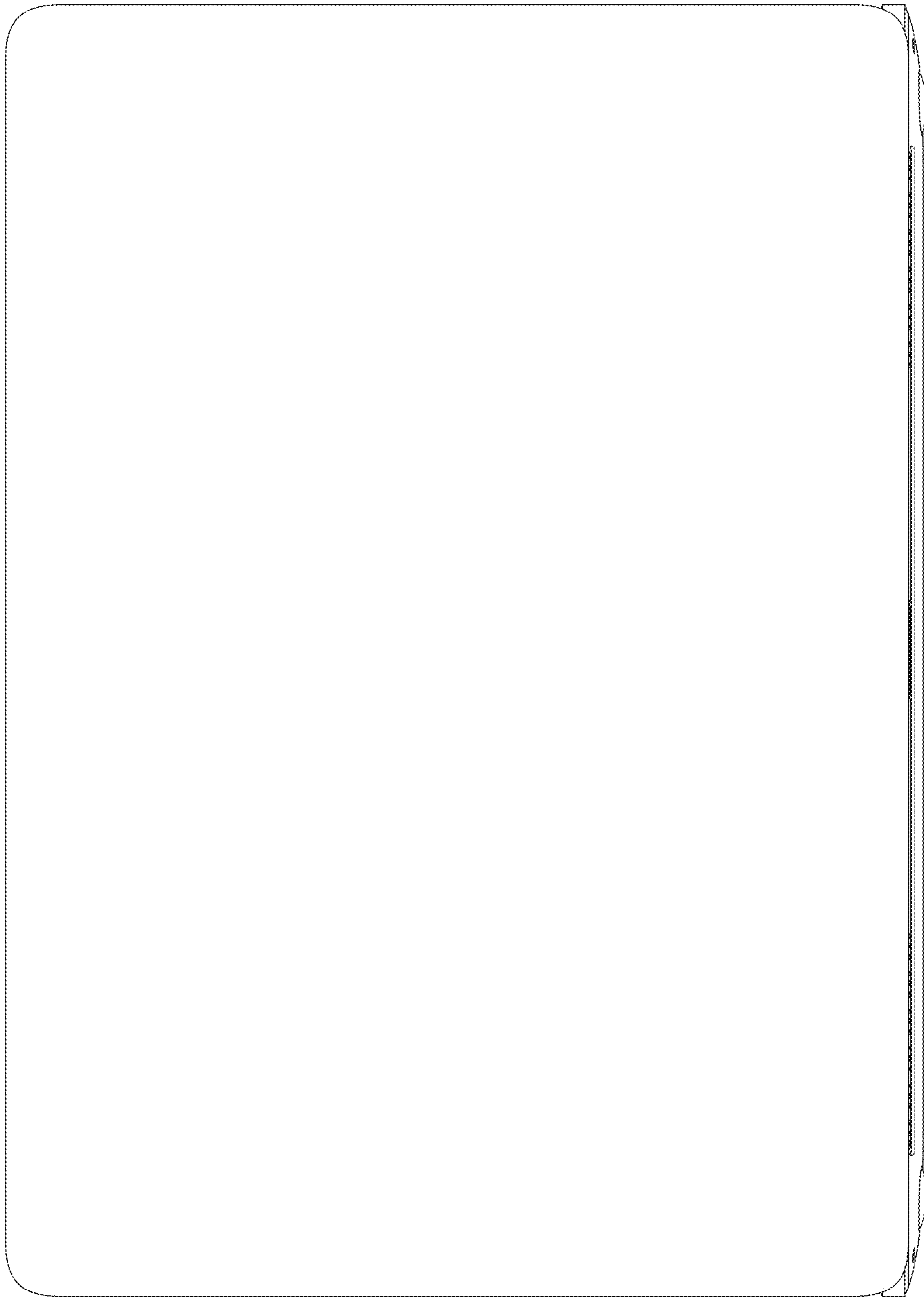


FIG. 12

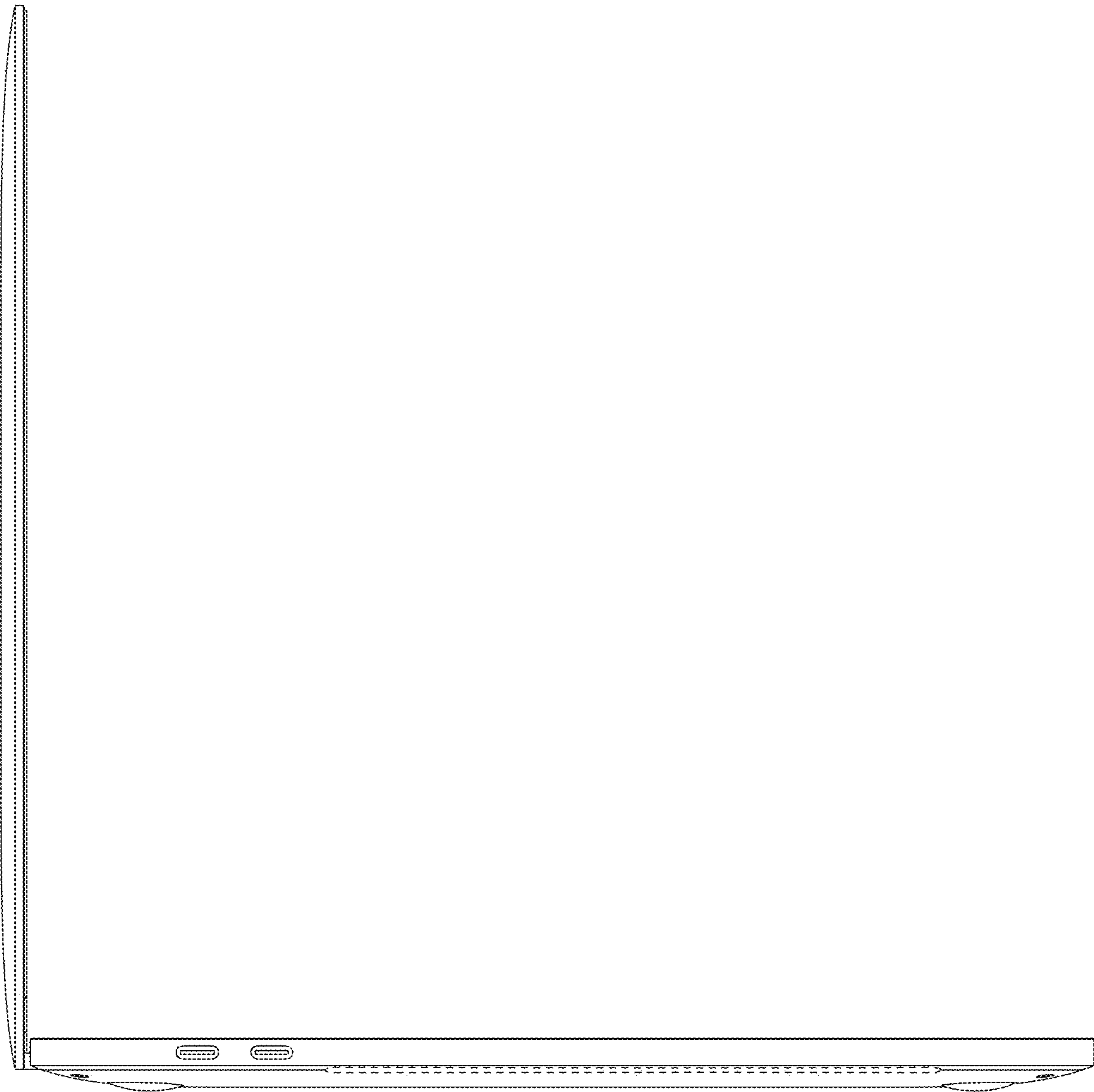


FIG. 13

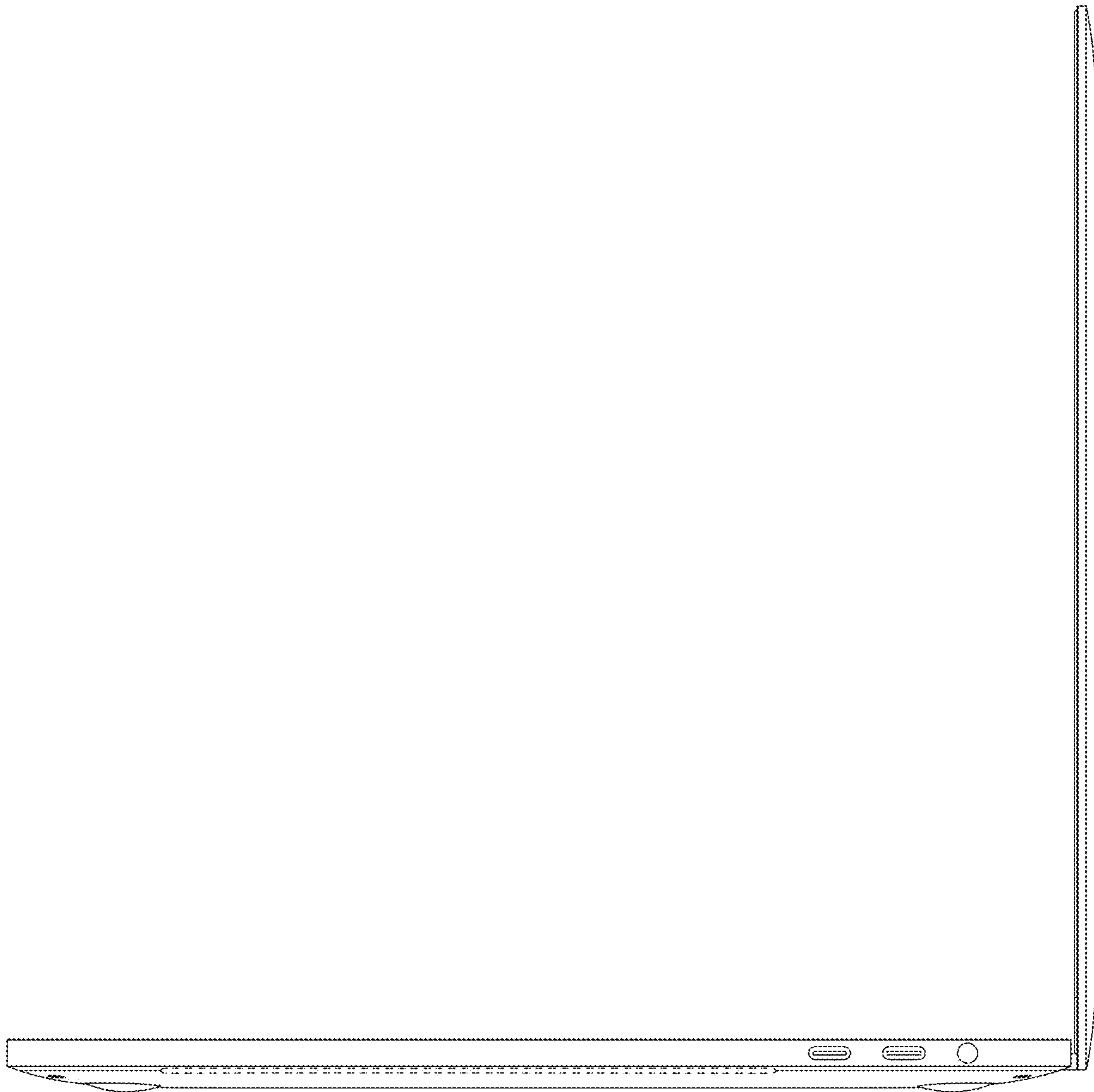


FIG. 14

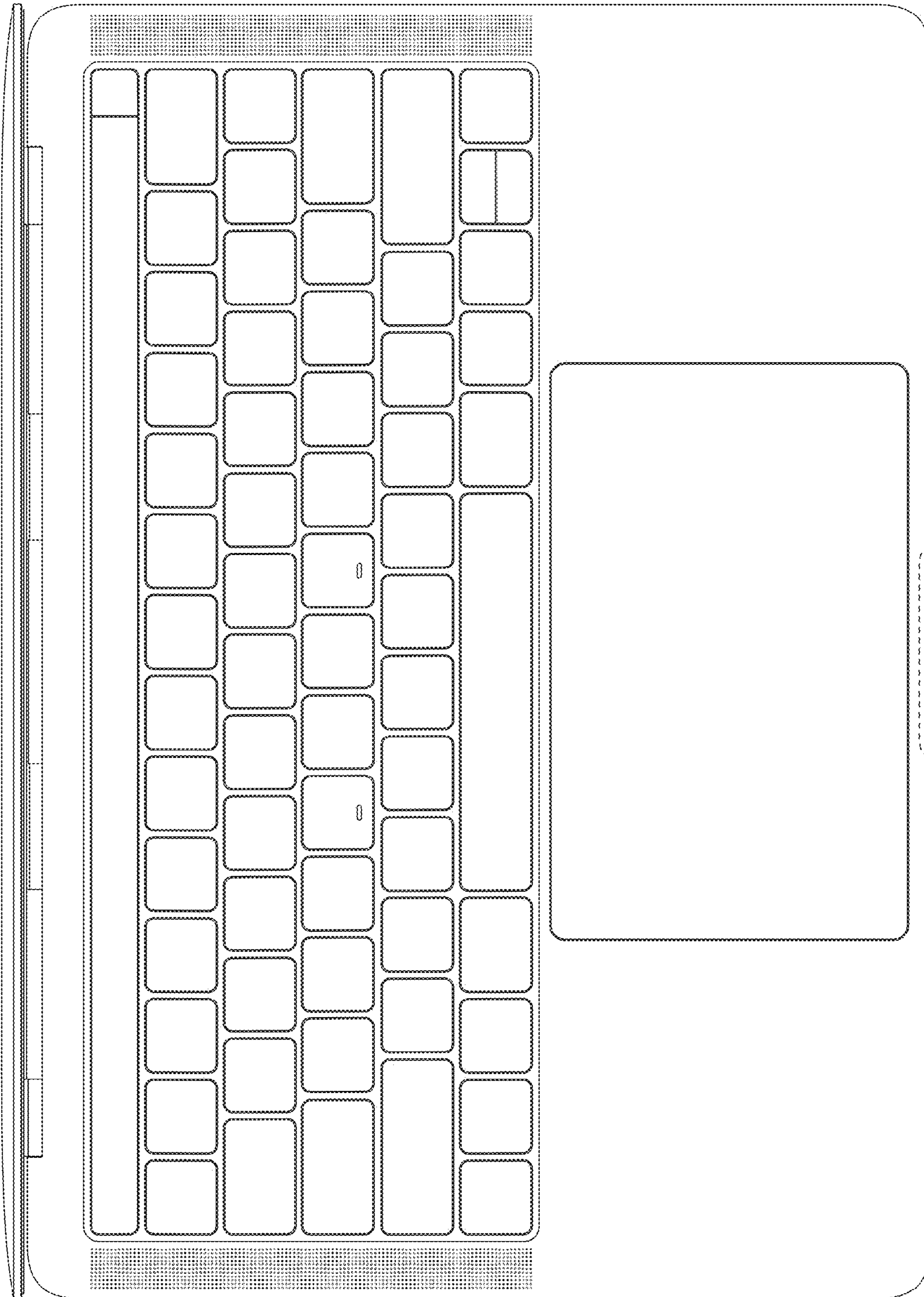


FIG. 15

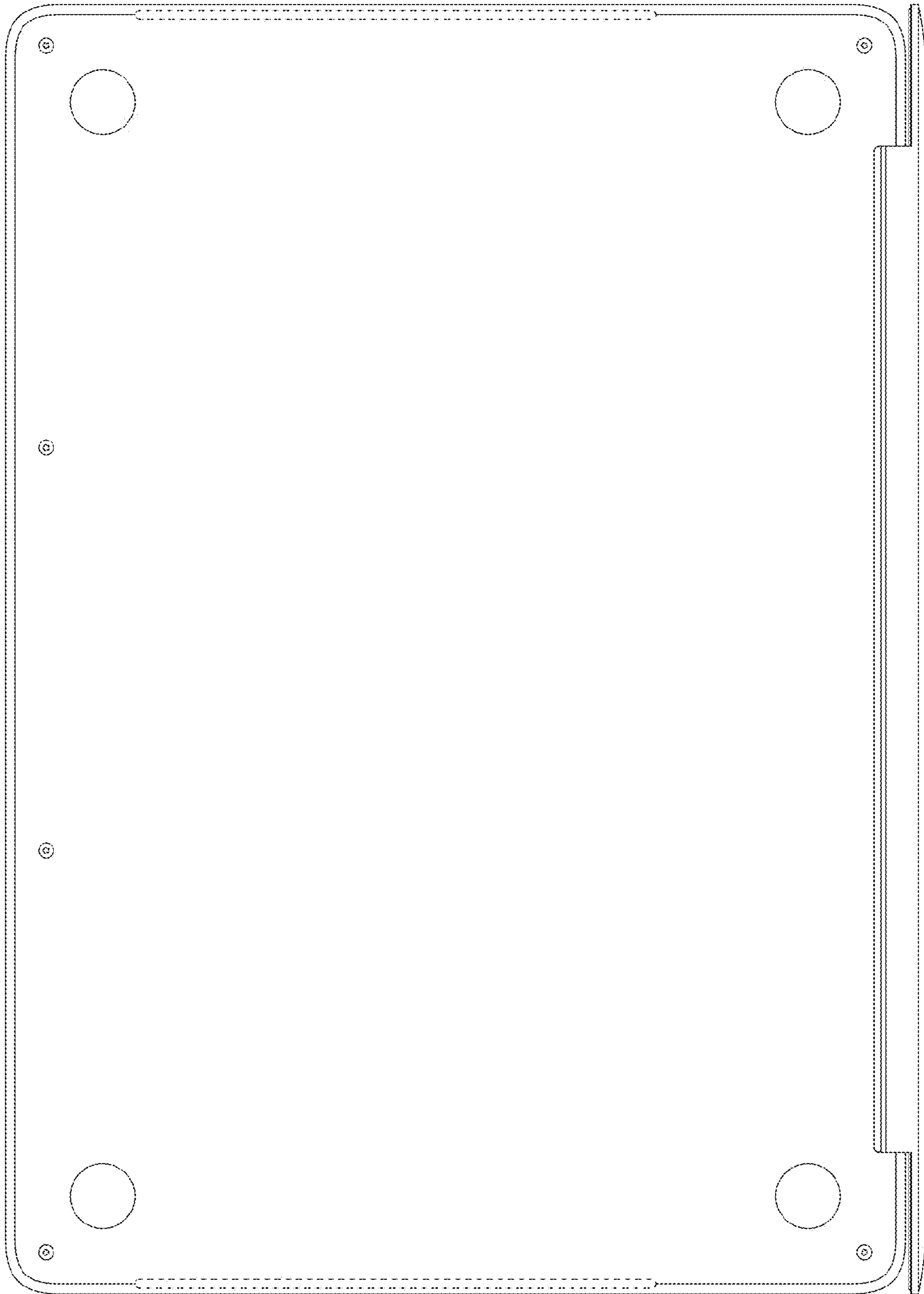


FIG. 16