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(12) **United States Design Patent**
Lee et al.

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(54) **MOBILE PHONE**

(71) Applicant: **LG Electronics Inc.**, Seoul (KR)

(72) Inventors: **Jonghak Lee**, Cheonan-si (KR);
Sangmin Park, Seoul (KR)

(73) Assignee: **LG Electronics Inc.**, Seoul (KR)

(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
USPC **D14/138 AB**; D14/345

(58) **Field of Classification Search**
CPC ... H04M 1/022; H04M 1/021; H04M 1/0202;
H04M 1/0239; H04M 1/0214; H04M 1/0216;
H04M 1/0245; H04M 1/023; H04M 2250/16;
G06F 1/1641; G06F 1/1616
USPC D14/138 AB, 138 AD, 341-346, 203.1,
D14/203.4, 203.3, 203.7, 143, 248, 218,
D14/138 G, 147, 138 AC, 138 AA, 138 R,
D14/339, 340, 316; 455/575.1, 556.2,
455/575.3, 575.4, 566; D21/517, 329-331;
379/433.01, 433.04, 433.12, 433.13;
D10/65, 78; D13/168; 361/679.3,
361/679.56; 345/1.3; D19/59, 60
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,189,632 A * 2/1993 Paajanen et al. 708/109
6,377,324 B1 * 4/2002 Katsura 349/58

(Continued)

FOREIGN PATENT DOCUMENTS

KR 30-0605743 S 7/2011
KR 30-0638720 S 4/2012
KR 30-0711171 S 10/2013

OTHER PUBLICATIONS

Compenion Portable PC Concept Design, by admin, joyenjoys.com, posted Jul. 15, 2012, [online], [site visited Jun. 18, 2014]. Available from Internet, <URL: <http://www.joyenjoys.com/compenion-portable-pc-concept-design/>>.*

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Primary Examiner — Jeffrey D Asch

(74) *Attorney, Agent, or Firm* — Birch, Stewart, Kolasch & Birch, LLP

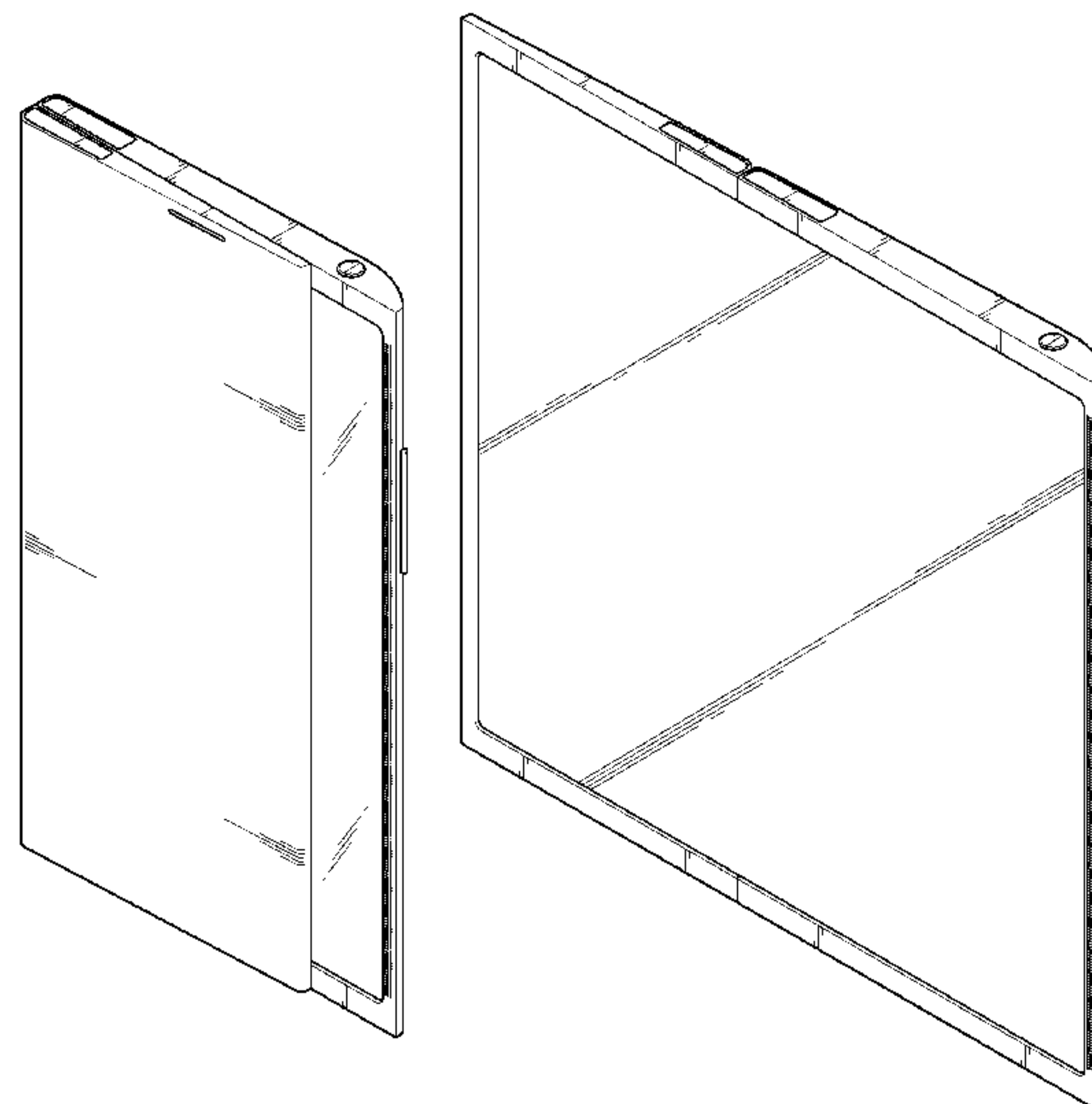
(57) **CLAIM**

The ornamental design for a mobile phone, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a mobile phone showing our new design when the display is folded;
FIG. 2 is a front view thereof of FIG. 1;
FIG. 3 is a rear view thereof of FIG. 1;
FIG. 4 is a left side view thereof of FIG. 1;
FIG. 5 is a right side view thereof of FIG. 1;
FIG. 6 is a top plan view thereof of FIG. 1;
FIG. 7 is a bottom plan view thereof of FIG. 1;
FIG. 8 is a front perspective view thereof when the display is unfolded;
FIG. 9 is a front view thereof of FIG. 8;
FIG. 10 is a rear view thereof of FIG. 8;
FIG. 11 is a left side view thereof of FIG. 8;
FIG. 12 is a right side view thereof of FIG. 8;
FIG. 13 is a top plan view thereof of FIG. 8; and
FIG. 14 is a bottom plan view thereof of FIG. 8.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

6,577,496 B1 * 6/2003 Gioscia et al. 361/679.3
 6,996,424 B2 * 2/2006 Ijas et al. 455/575.1
 7,167,158 B2 * 1/2007 Silverbrook 345/156
 D568,862 S * 5/2008 Kim et al. D14/138 AB
 D580,432 S * 11/2008 Yun et al. D14/345
 D584,726 S * 1/2009 Morita D14/341
 D585,444 S * 1/2009 Verschoor D14/345
 D588,126 S * 3/2009 Chiang et al. D14/345
 D625,284 S * 10/2010 Cha D14/138 AB
 D658,173 S * 4/2012 Kim D14/345
 8,170,631 B2 * 5/2012 Aoki et al. 455/575.3
 D662,932 S * 7/2012 Park et al. D14/341
 8,209,894 B2 * 7/2012 Shim et al. 40/541
 8,229,522 B2 * 7/2012 Kim et al. 455/575.3
 8,384,615 B2 * 2/2013 Tan et al. 345/1.1
 D680,531 S * 4/2013 Honda et al. D14/345
 D681,000 S * 4/2013 Koh et al. D14/203.4
 D681,054 S * 4/2013 Koh et al. D14/496
 8,493,730 B2 * 7/2013 Shim et al. 361/679.55
 D694,730 S * 12/2013 Lee D14/138 G
 D696,693 S * 12/2013 Kim et al. D14/496

D699,240 S * 2/2014 Kim et al. D14/341
 2002/0016191 A1 * 2/2002 Ijas et al. 455/575
 2003/0026068 A1 * 2/2003 Tsai et al. 361/683
 2006/0125784 A1 * 6/2006 Jang et al. 345/156
 2007/0097014 A1 * 5/2007 Solomon et al. 345/1.1
 2011/0241998 A1 * 10/2011 McKinney et al. 345/168
 2012/0236484 A1 * 9/2012 Miyake 361/679.01
 2013/0135837 A1 * 5/2013 Kemppinen 361/807
 2013/0148278 A1 * 6/2013 Honda 361/679.01

OTHER PUBLICATIONS

Samsung Galaxy S5 Concept is a Folding Device; 3D Detailed Render Here!, by Thrystan, Concept-phones, posted Apr. 29, 2013, [online], [site visited Jun. 18, 2014]. Available from Internet, <URL: <http://www.concept-phones.com/samsung/samsung-galaxy-s5-concept-folding-device-3d-detailed-render/>>.*
 Samsung privately showed a foldable phone prototype at CES 2014, SDC Foldable OLED concept, 2013, Source: ETNews, Oled-info.com, posted Jan. 13, 2014, [online], [site visited Jun. 18, 2014]. Available from Internet, <URL: <http://www.concept-phones.com/apple/seamless-flexible-display-iphone-concepts-ace-jockey/>>.*

* cited by examiner

FIG. 1

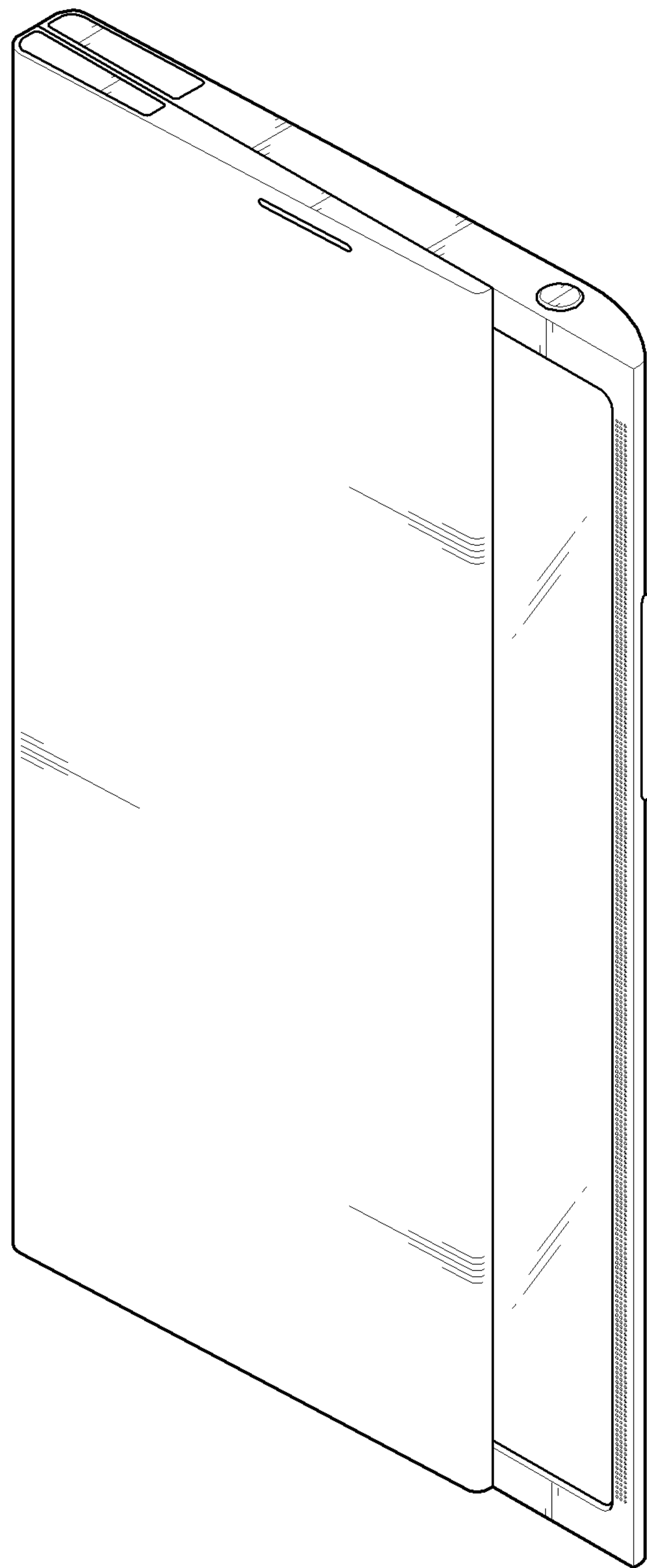


FIG. 2

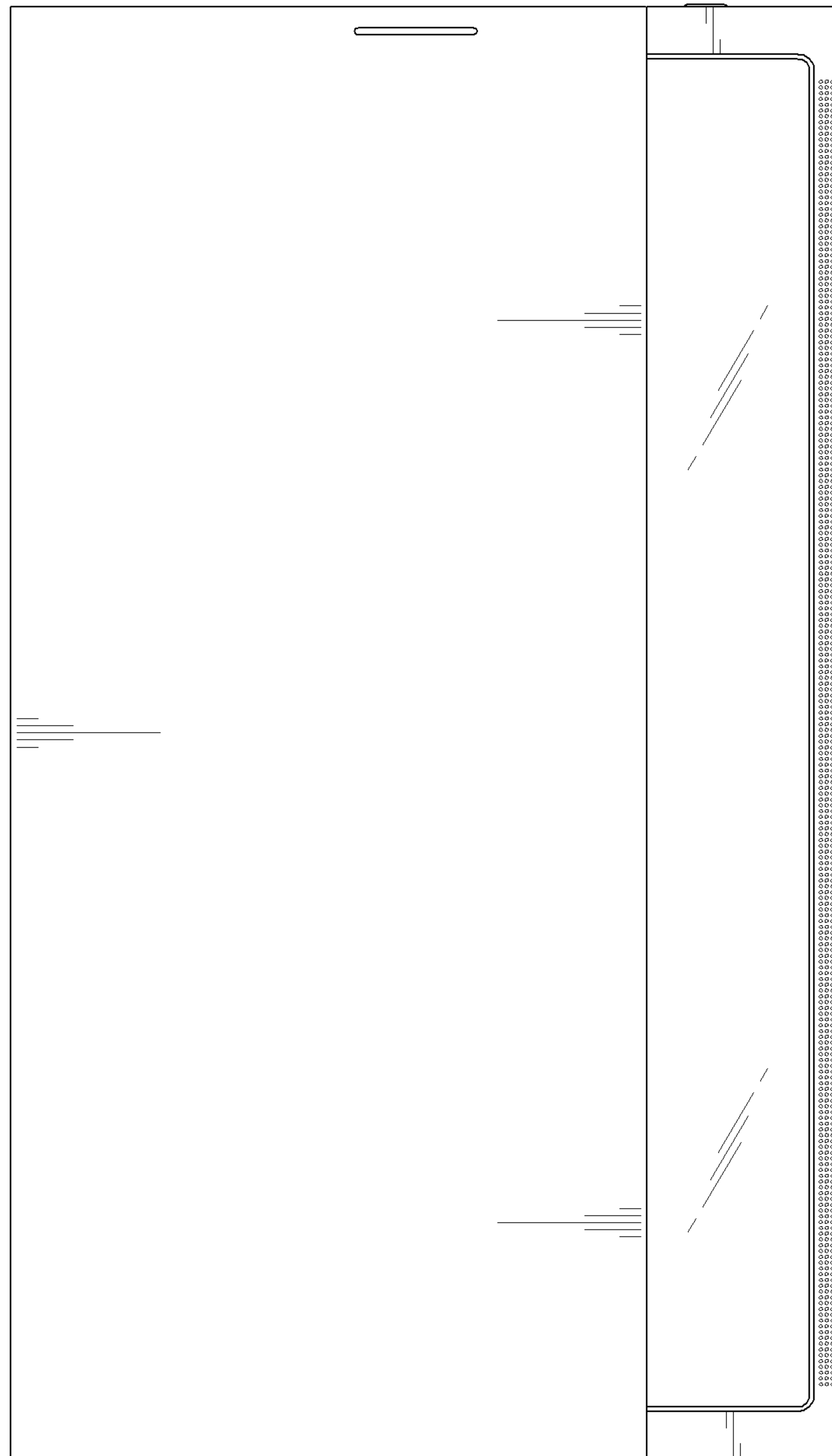


FIG. 3

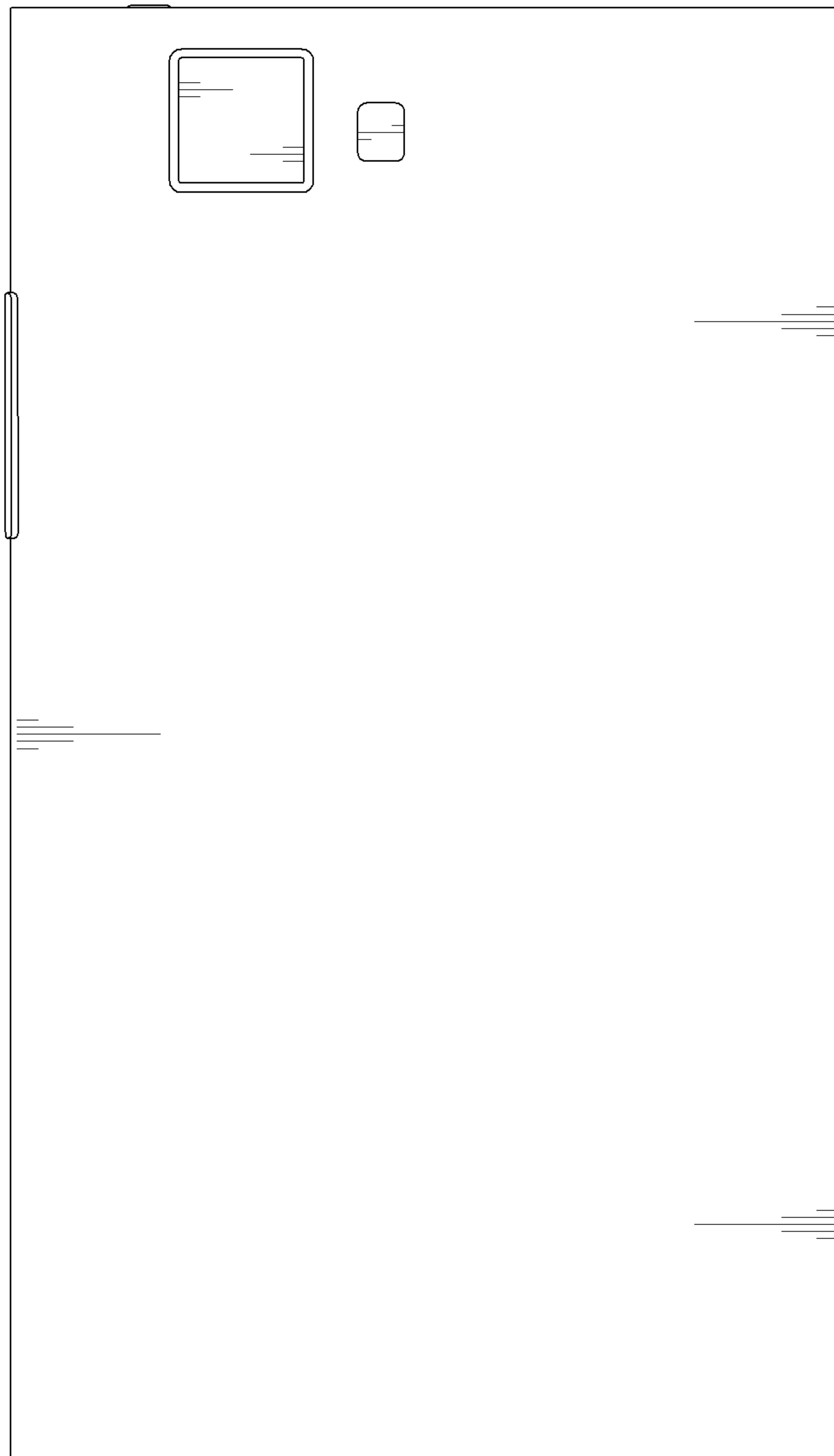


FIG. 4

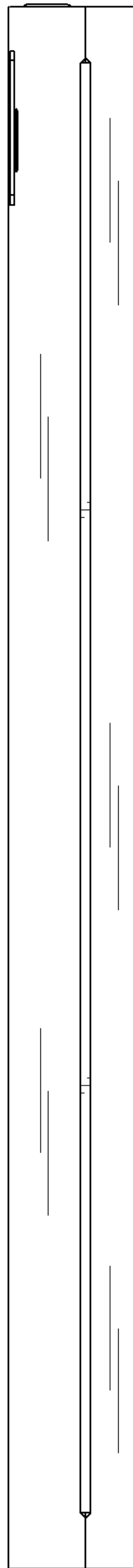


FIG. 5

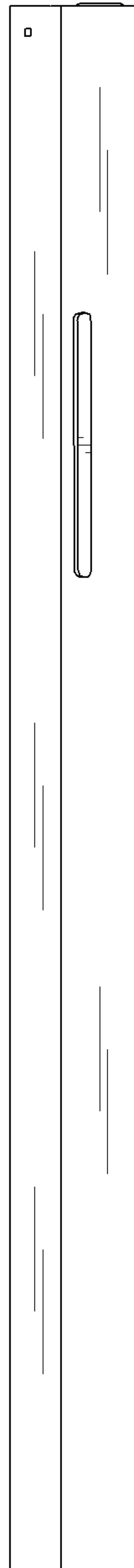


FIG. 6

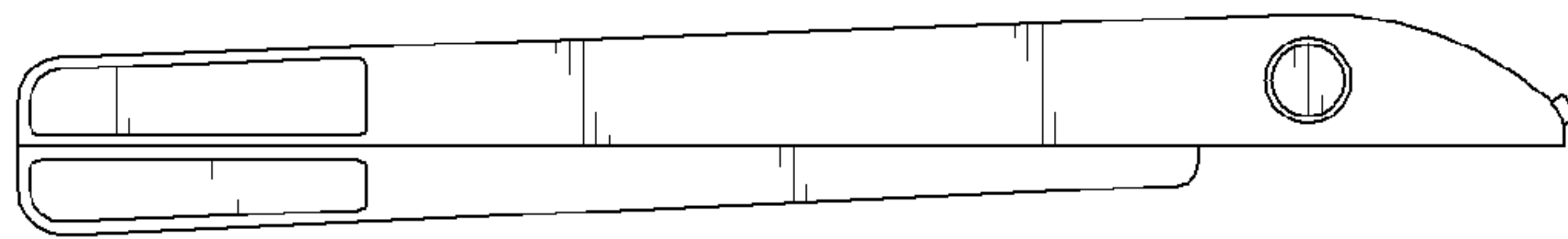


FIG. 7

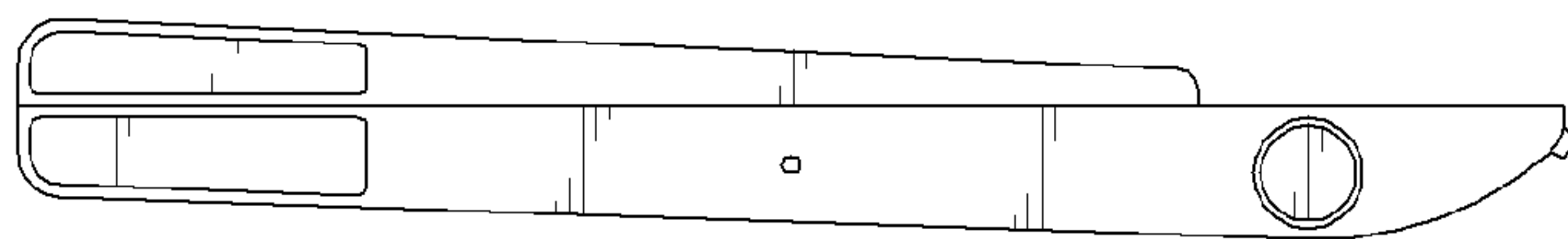


FIG. 8

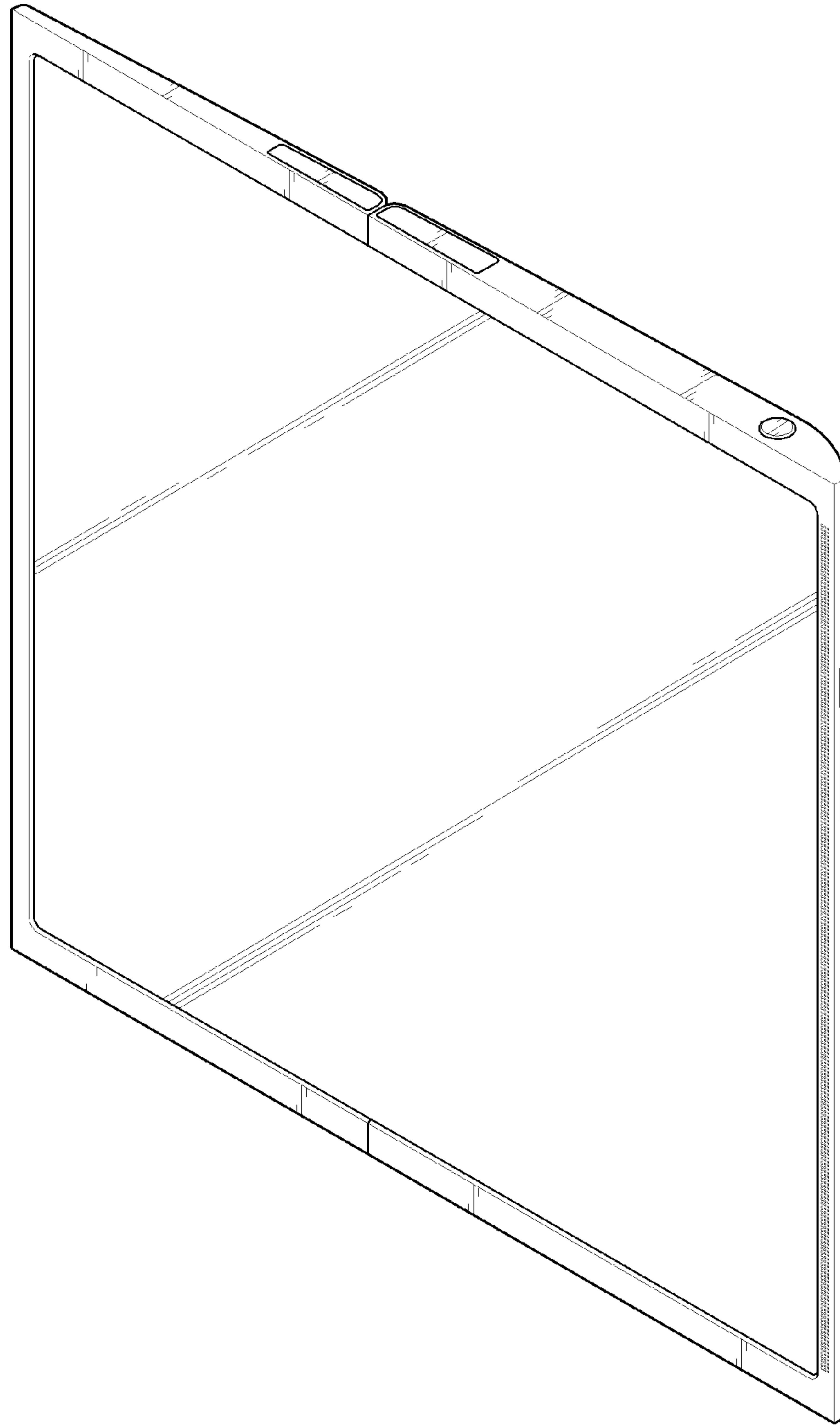


FIG. 9

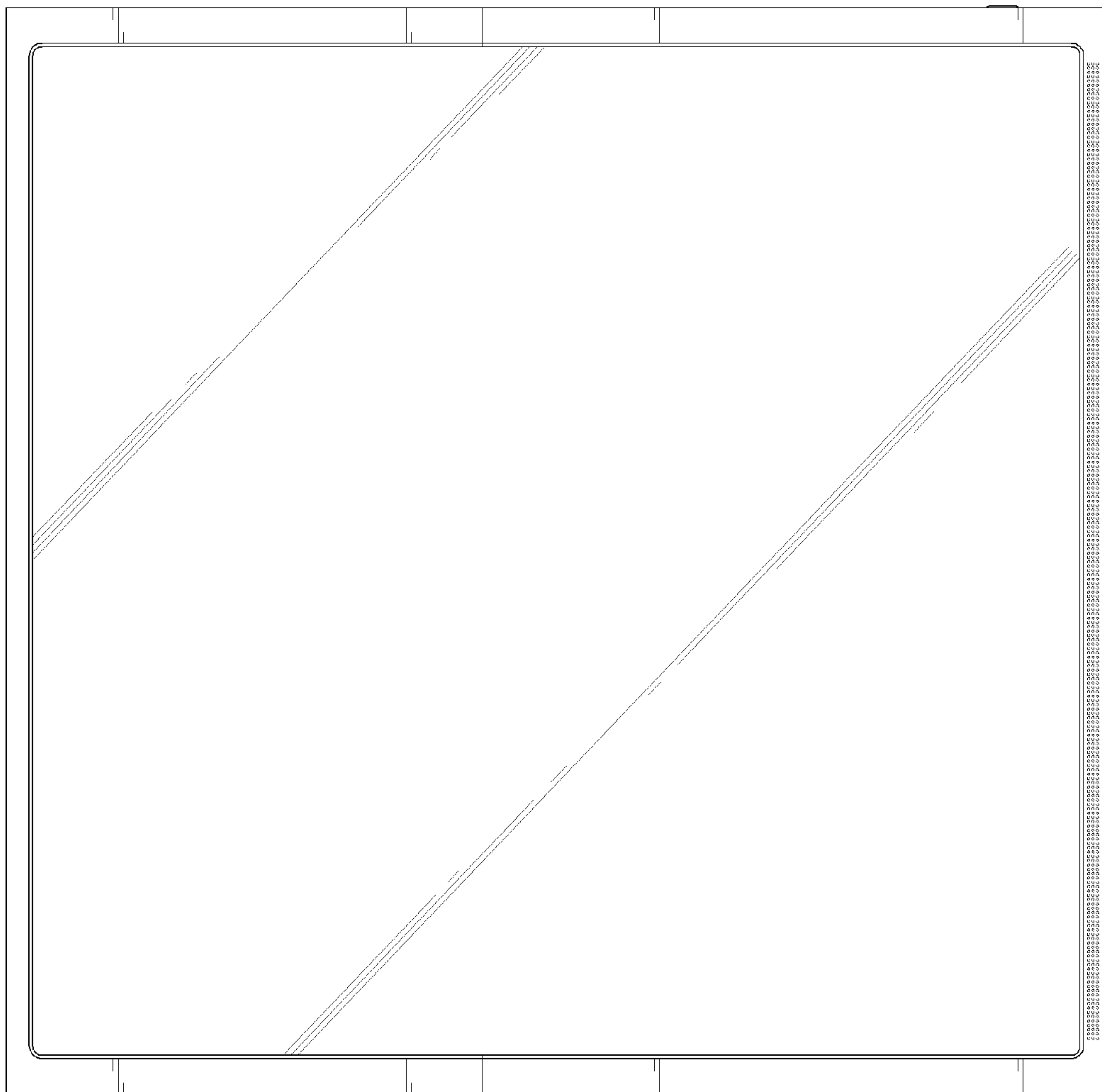


FIG. 10

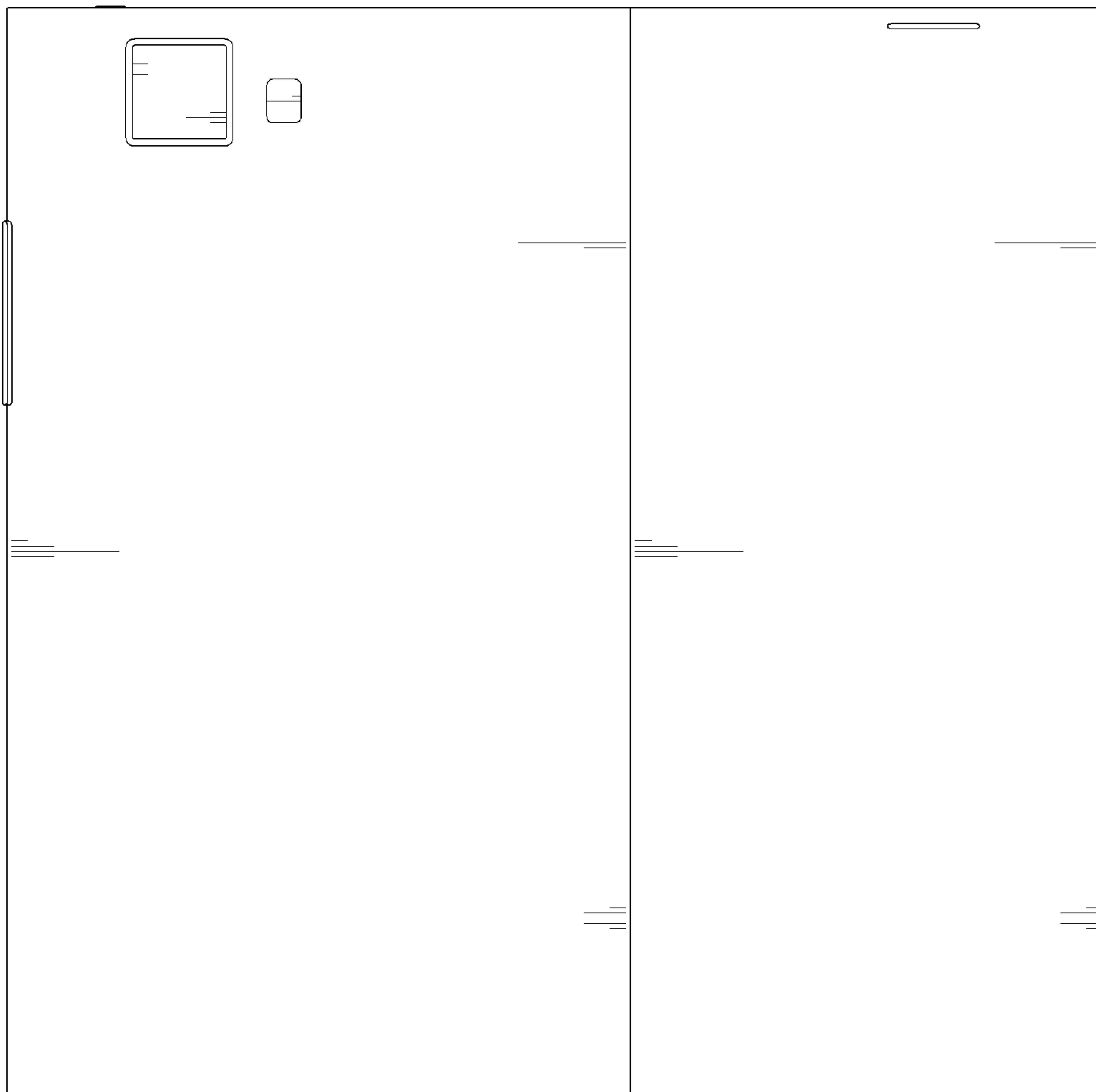


FIG. 11

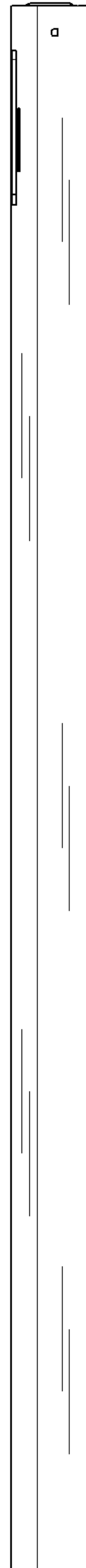


FIG. 12

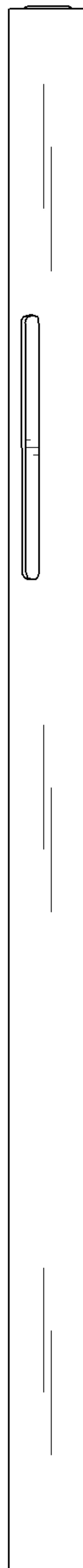


FIG. 13

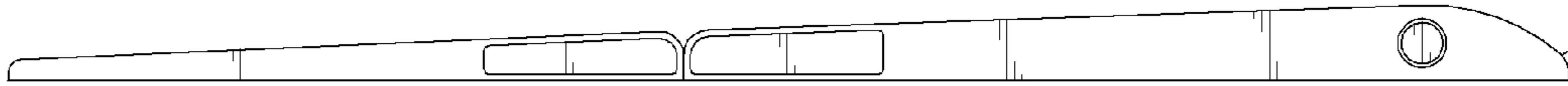


FIG. 14

