

US00D862439S

(12) **United States Design Patent** (10) **Patent No.:** **US D862,439 S**  
**Ryu et al.** (45) **Date of Patent:** **\*\* \*Oct. 8, 2019**

(54) **MOBILE PHONE**

(71) Applicant: **LG ELECTRONICS INC.**, Seoul (KR)

(72) Inventors: **Hyunggon Ryu**, Seoul (KR); **Minsun Park**, Seoul (KR); **Woonlee Park**, Seoul (KR); **Kyubong Choi**, Seoul (KR)

(73) Assignee: **LG ELECTRONICS INC.**, Seoul (KR)

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

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

(21) Appl. No.: **29/588,767**

(22) Filed: **Dec. 22, 2016**

(30) **Foreign Application Priority Data**

Jun. 24, 2016 (KR) ..... 30-2016-0031037

(51) **LOC (12) Cl.** ..... **14-03**

(52) **U.S. Cl.**  
USPC ..... **D14/248**

(58) **Field of Classification Search**  
USPC ..... D14/138 AA, 138 AB, 138 AC, 138 AD, D14/138 C, 138 R, 138 G, 248, 315-318, D14/341, 342, 344, 345, 371, 496, 388, D14/389, 250, 346, 137; D6/300, 308, D6/310; D10/104.1, 50, 65; D9/418, D9/424; D21/329; D18/6  
CPC .... G06F 1/1652; G06F 1/1641; G06F 1/1647; G06F 1/1626; H04M 1/027; H04M 1/0202; H04M 1/0279; H04M 1/0235; H04M 1/0237; H04M 1/0239; H04M 1/0266; H04M 1/0268; H04M 1/0295; H04M 1/0264

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D337,569 S \* 7/1993 Kando ..... D14/341  
D560,227 S \* 1/2008 Bennett ..... D14/496  
D636,770 S \* 4/2011 Li ..... D14/341  
D662,072 S \* 6/2012 Fahlgren ..... D14/138 G  
D701,191 S \* 3/2014 Suk ..... D14/138 G  
D715,246 S \* 10/2014 Oh ..... D14/138 G  
D722,038 S \* 2/2015 Cheng ..... D14/138 G

(Continued)

OTHER PUBLICATIONS

Martin Hajek Renders New iPhone 7 Concept With Home Button Integrated Within the Screen, Kelvin, Concept Phones, May 8, 2015, [online], [site visited Feb. 22, 2018]. Retrieved from url:https://www.concept-phones.com/apple/martin-hajek-renders-iphone-7-concept-home-button-integrated-screen/.\*

(Continued)

*Primary Examiner* — Jeffrey D Asch  
*Assistant Examiner* — Tracey J Bell

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

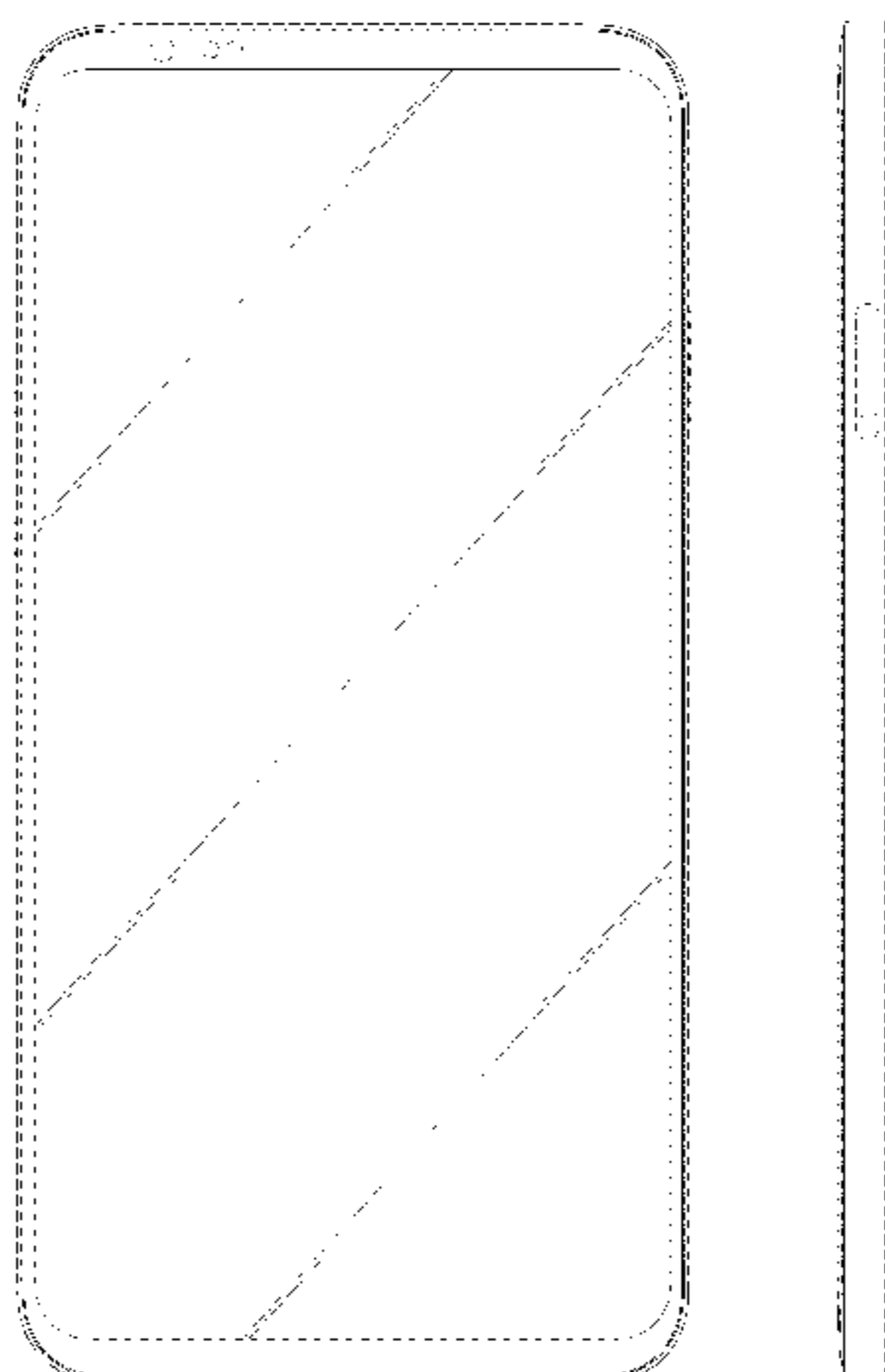
(57) **CLAIM**

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;  
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 plan view thereof; and,  
FIG. 7 is a bottom plan view thereof.

(Continued)



The broken lines depict portions of the mobile phone that form no part of the claimed design. The broken lines form no part of the claimed design.

2018/0293420 A1\* 10/2018 Kim ..... H04M 1/0277  
 2018/0299929 A1\* 10/2018 Kim ..... H01Q 1/243  
 2018/0310426 A1\* 10/2018 Cho ..... H05K 5/0017

1 Claim, 7 Drawing Sheets

OTHER PUBLICATIONS

(56)

References Cited

U.S. PATENT DOCUMENTS

D739,841 S \* 9/2015 Kim ..... D14/138 G  
 D740,774 S \* 10/2015 Im ..... D14/138 G  
 D742,847 S \* 11/2015 Ryu ..... D14/138 G  
 D744,447 S \* 12/2015 Ryu ..... D14/138 G  
 9,270,808 B2 \* 2/2016 Chan ..... H04M 1/0254  
 D752,008 S \* 3/2016 Lee ..... D14/138 G  
 D755,749 S \* 5/2016 Kim ..... D14/138 G  
 D772,053 S \* 11/2016 Mayer ..... D9/418  
 D782,297 S \* 3/2017 Vaske ..... D9/418  
 D786,815 S \* 5/2017 Park ..... D14/138 G  
 D788,059 S \* 5/2017 Seo ..... D14/138 G  
 D791,730 S \* 7/2017 Li ..... D14/138 G  
 D793,981 S \* 8/2017 Seo ..... D14/138 G  
 D795,827 S \* 8/2017 Seo ..... D14/138 G  
 D795,828 S \* 8/2017 Seo ..... D14/138 G  
 D795,829 S \* 8/2017 Seo ..... D14/138 G  
 D797,071 S \* 9/2017 Seo ..... D14/138 G  
 D806,705 S \* 1/2018 Akana ..... D14/341  
 D807,853 S \* 1/2018 Oh ..... D14/138 G  
 D817,912 S \* 5/2018 Choi ..... D14/138 G  
 D818,462 S \* 5/2018 Choi ..... D14/248  
 D819,591 S \* 6/2018 Kwon ..... D14/138 G  
 D820,833 S \* 6/2018 Kim ..... D14/341  
 D828,828 S \* 9/2018 Kim ..... D14/248  
 D831,602 S \* 10/2018 Ryu ..... D14/138 G  
 D831,603 S \* 10/2018 Ryu ..... D14/138 G  
 D831,604 S \* 10/2018 Ryu ..... D14/138 G  
 D831,605 S \* 10/2018 Baik ..... D14/138 G  
 D833,406 S \* 11/2018 Kim ..... D14/138 G  
 D833,407 S \* 11/2018 Kim ..... D14/138 G  
 D834,552 S \* 11/2018 Ryu ..... D14/138 G  
 2011/0143769 A1 \* 6/2011 Jones ..... G06F 1/1624  
 455/456.1  
 2016/0224307 A1 \* 8/2016 Sieger ..... G06F 3/1446  
 2017/0205927 A1 \* 7/2017 Lee ..... H01L 51/5237  
 2018/0247582 A1 \* 8/2018 Park ..... G02F 1/133308

iPhone 7 Concept by Asaad Hussain Features Curved AMOLED Screen, Apr. 8, 2016, [online], [site visited: Feb. 28, 2018]. Retrieved from url:https://www.concept-phones.com/apple/iphone-7-concept-asaad-hussain-features-curved-amoled-screen/\*  
 LeEco Le Max 3 (2017) Has Just Been Rendered by Uva7 Dance, Jun. 3, 2016, [online], [site visited: Feb. 28, 2018]. Retrieved from url:https://www.concept-phones.com/news/leeco-le-max-3-2017-rendered-uva7-dance/\*  
 Micromax Canvas Sliver 5 Q450 launched at Rs. 17,999, Mayank, Jun. 25, 2015, [online], [site visited: Feb. 28, 2018]. Retrieved from url:http://maktechblog.com/micromax-canvas-sliver-5-q450-india-7298/\*  
 Xiaomi Redmi 5, Dec. 2017, [online], [site visited Feb. 28, 2018]. Retrieved from url:https://www.gsmarena.com/xiaomi\_redmi\_5-pictures-8768.php.\*  
 Huawei Nova 2s, Dec. 2017, [online], [site visited Feb. 28, 2018]. Retrieved from url:https://www.gsmarena.com/huawei\_nova\_2s-pictures-8943.php.\*  
 HTC U11 Eyes, Jan. 2018, [online], [site visited Feb. 28, 2018]. Retrieved from url:https://www.gsmarena.com/htc\_u1\_1\_eyes-pictures-8990.php.\*  
 LG G6, Mar. 2017, [online], [site visited Feb. 28, 2018]. Retrieved from url:https://www.gsmarena.com/lg\_g6-pictures-8466.php.\*  
 Samsung Galaxy A8, Jan. 2018, [online], [site visited Feb. 28, 2018]. Retrieved from url:https://www.gsmarena.com/samsung\_galaxy\_a8\_(2018)-pictures-8886.php.\*  
 SVPER Concept Smartphone is Focused on Minimalism, Feb. 9, 2016, [online], [site visited Feb. 2, 2019]. Retrieved from url:https://www.concept-phones.com/cool-concepts/svper-concept-smartphone-focused-minimalism-features-tactile-morphing-screen/ (Year: 2016).\*  
 iPhone 7 Already Reinvents the Apple Handset Format, With Edge to Edge Display, Nov. 16, 2014, [online], [site visited Feb. 2, 2019]. Retrieved from url:https://www.concept-phones.com/apple/iphone-7-reinvents-apple-handset-format-edge-edge-display/ (Year: 2014).\*  
 iPhone 5 Design Makes the Thinnest Smartphone Ever, Jul. 3, 2011, [online], [site visited Feb. 2, 2019]. Retrieved from url:https://www.concept-phones.com/apple/iphone-5-design-thinnest-smartphone-4mm-thickness/ (Year: 2011).\*

\* cited by examiner

FIG. 1

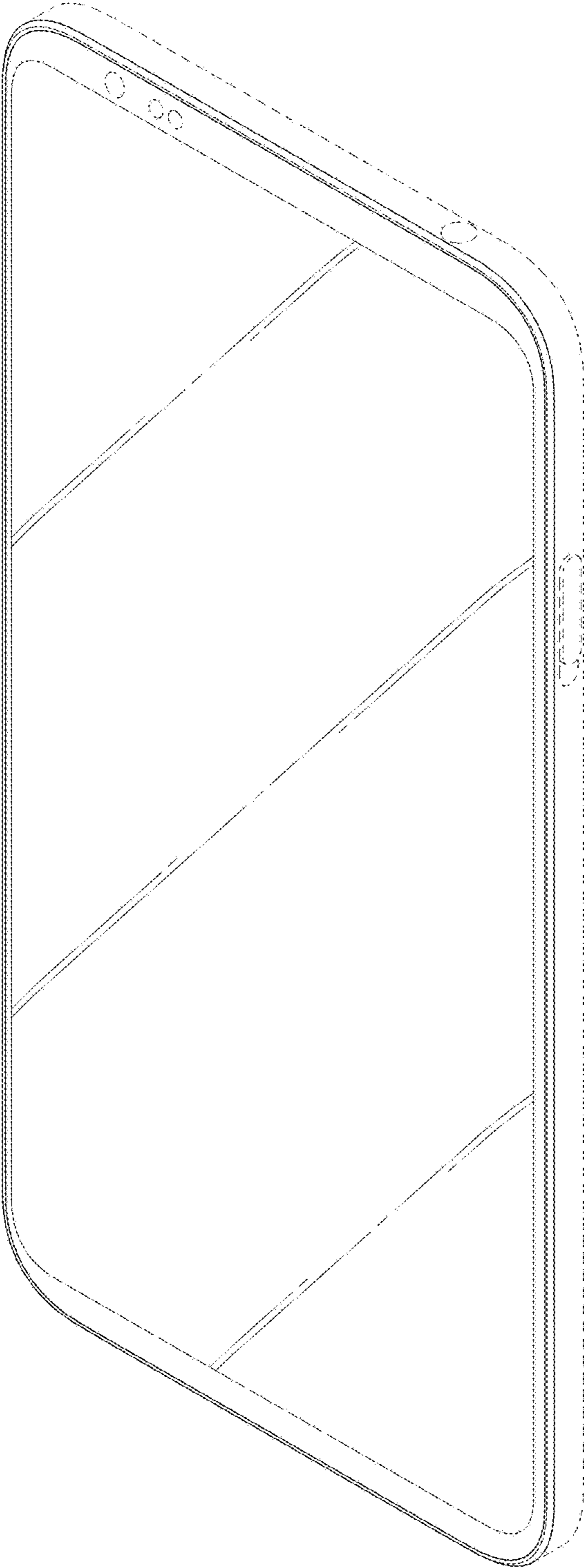




FIG. 2

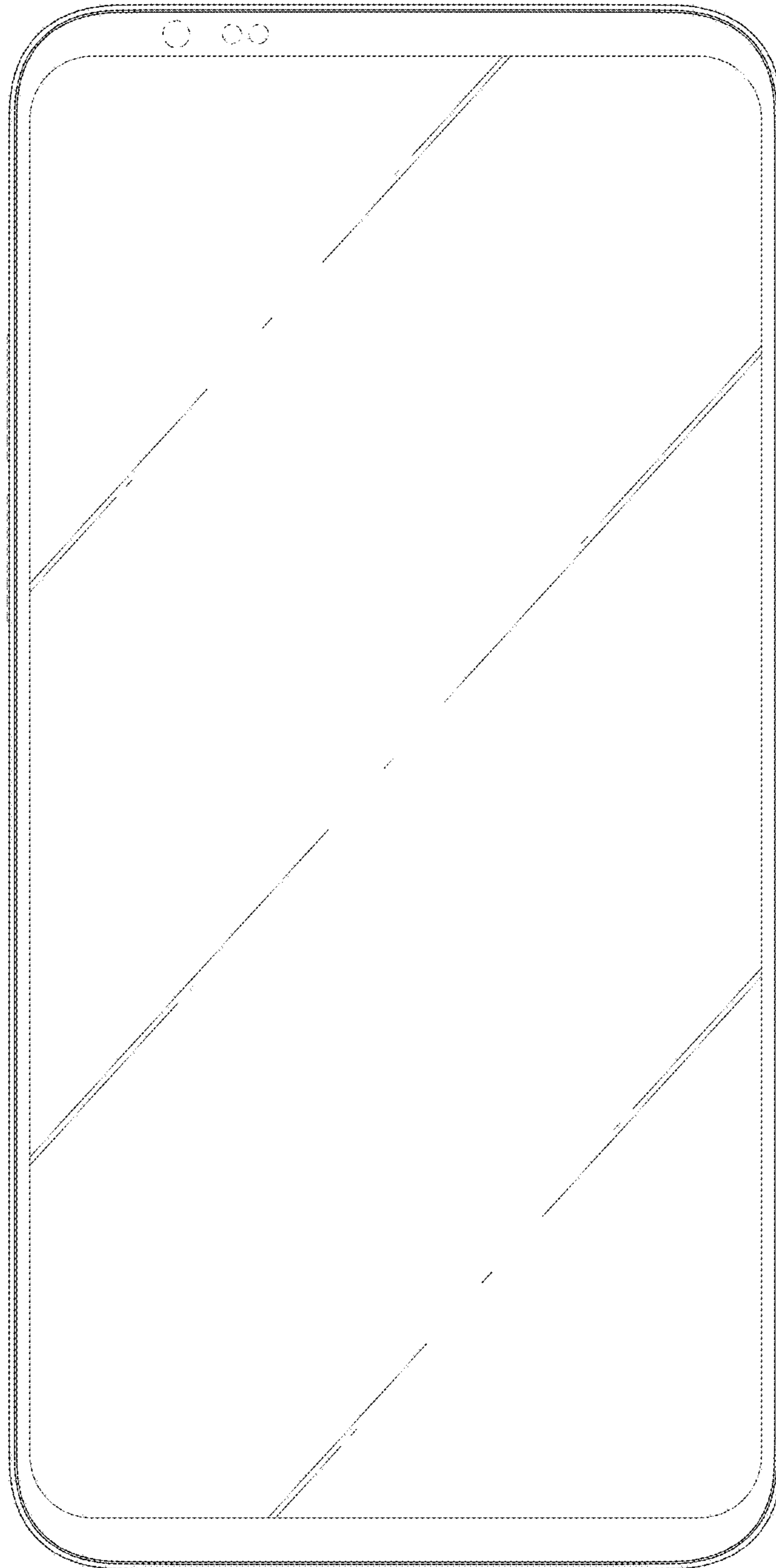


FIG. 3

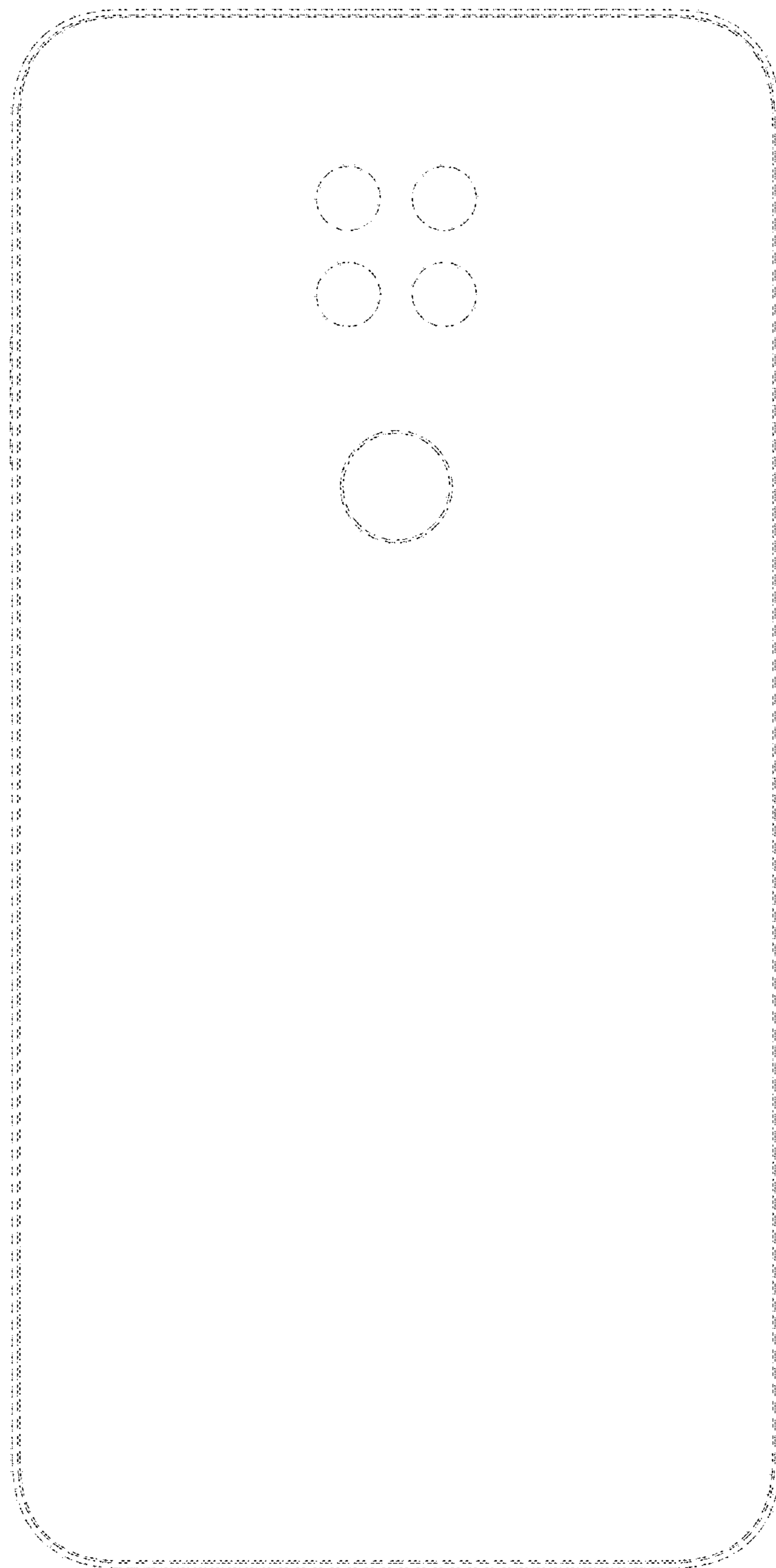


FIG. 4

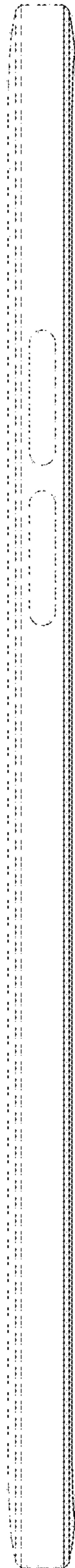


FIG. 5

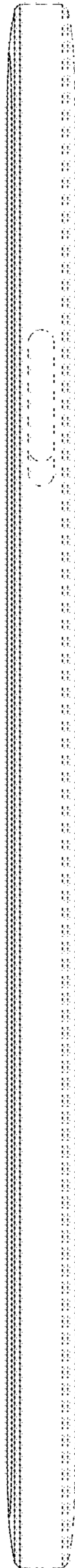


FIG. 6

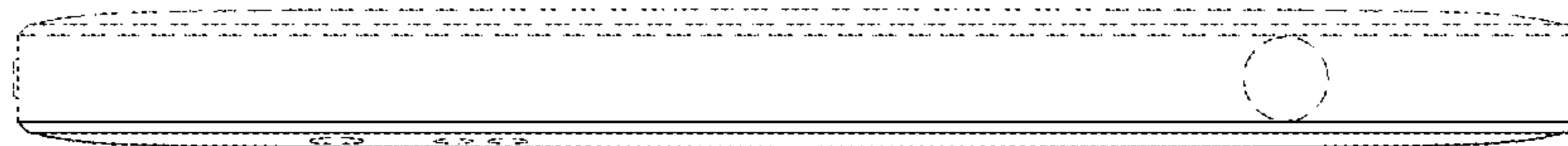




FIG. 7

