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

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(54) **SMART PHONE**

(71) Applicant: **LG DISPLAY CO., LTD.**, Seoul (KR)

(72) Inventors: **HoChun Yi**, Seoul (KR); **KiHwan Son**, Seoul (KR); **Kyungju Kim**, Seoul (KR); **YongBum Kim**, Seoul (KR); **Il sup Yoon**, Seoul (KR); **Dong Jin Seo**, Seoul (KR)

(73) Assignee: **LG Display Co., Ltd.**, Seoul (KR)

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

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

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(30) **Foreign Application Priority Data**

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

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

(58) **Field of Classification Search**

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D14/138 AA, 138 AB, 138 AC, 138 AD,
D14/138 C, 247, 436; D19/9, 10;
D20/22, 27, 40

CPC H04M 1/0202; H04M 1/0235; H04M
1/0237; H04M 1/0239; H04M 1/0266;
H04M 1/0268; H04M 1/027; H04M
1/0295

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,573,278 A * 11/1996 Clemens G09F 3/207
283/109
D461,477 S * 8/2002 Pentz D14/436

D490,113 S * 5/2004 Nykoluk D20/27
D648,300 S * 11/2011 Park D14/138 G
D665,762 S * 8/2012 Fujimura D14/138 G
D676,819 S * 2/2013 Choi D14/138 G
D688,218 S * 8/2013 Lee D14/138 G

(Continued)

FOREIGN PATENT DOCUMENTS

CN 301617446 * 7/2011
CN 301659813 * 8/2011

(Continued)

OTHER PUBLICATIONS

Pantech Vega R3 IM-A850L, announced Oct. 2012, [online], [retrieved on Nov. 28, 2012]. Retrieved from Internet ,<URL: <http://www.gsmarena.com>>.*

(Continued)

Primary Examiner — Bridget L Eland

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

(57) **CLAIM**

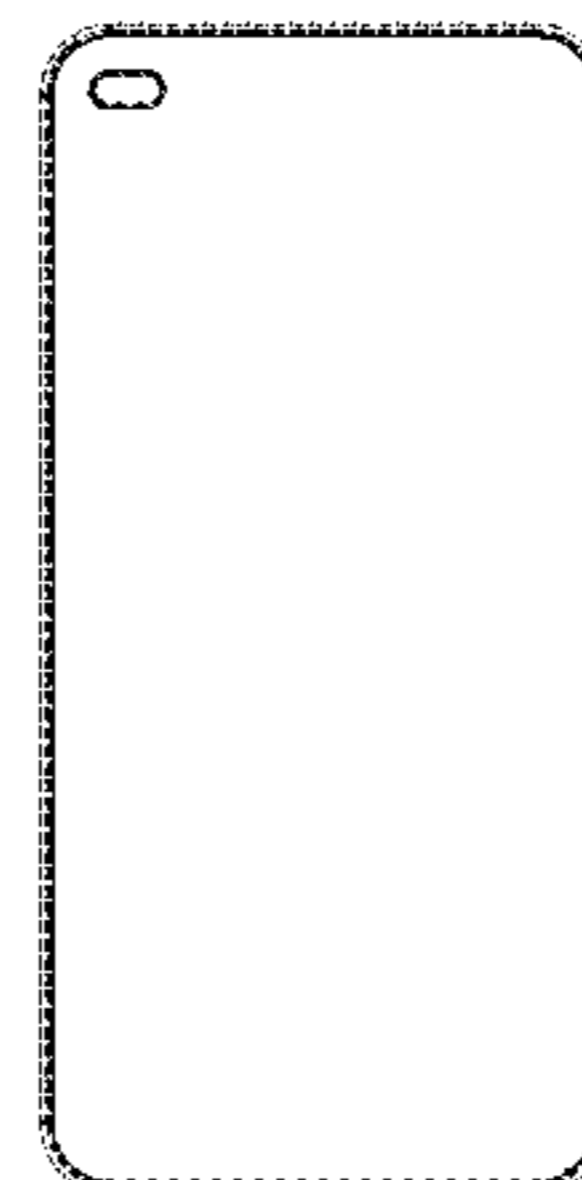
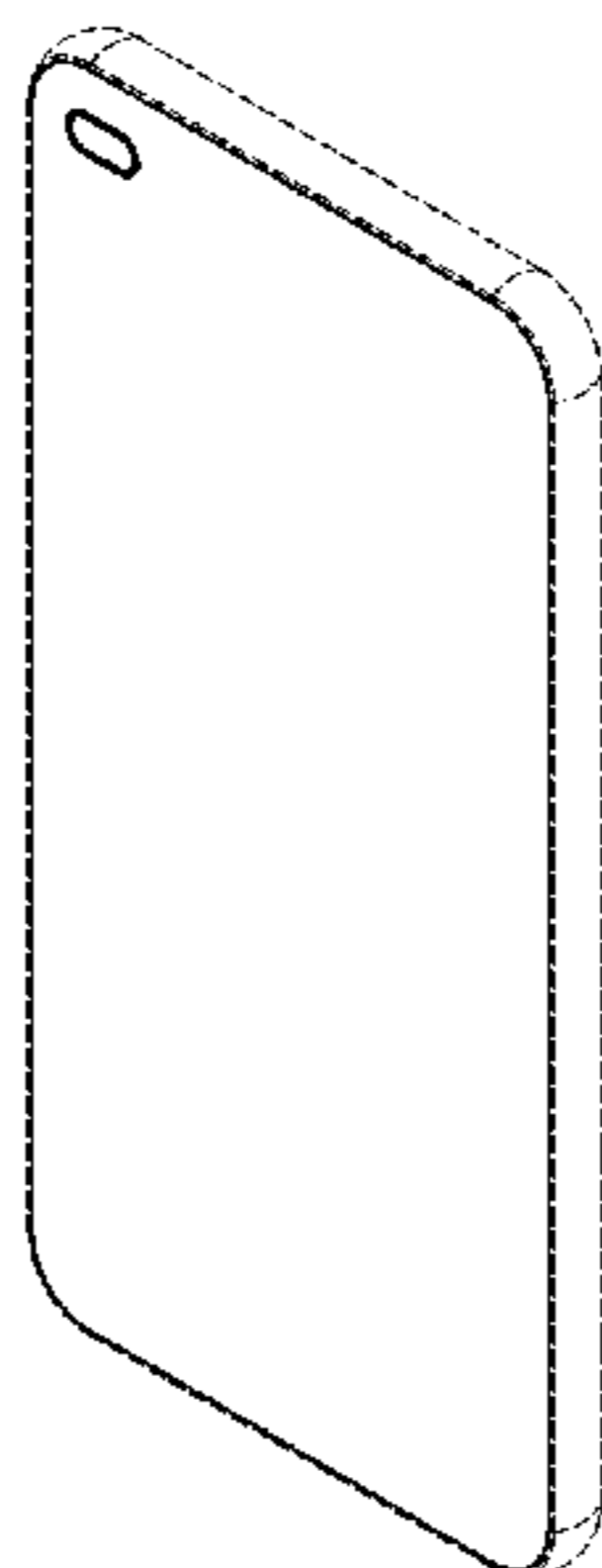
The ornamental design for a smart phone, as shown and described.

DESCRIPTION

FIG. 1 is a front, right perspective view of the smart 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 view thereof.

The broken lines showing the remainder of the smart phone are directed to environment; the broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D692,846 S * 11/2013 Lee D14/138 G
 D693,324 S * 11/2013 Wang D14/138 G
 D696,221 S * 12/2013 Lee D14/138 G
 D697,890 S * 1/2014 Choe D14/138 G
 D697,892 S * 1/2014 Cho D14/138 G
 D700,161 S * 2/2014 Yoshihara D14/138 G
 D706,738 S * 6/2014 Kim D14/138 G
 D722,038 S * 2/2015 Cheng D14/138 G
 D722,580 S * 2/2015 Dhondt D14/138 G
 D738,843 S * 9/2015 Yoon D14/138 G
 D744,973 S * 12/2015 Lee D14/138 G
 D744,992 S * 12/2015 Lee D14/248
 D765,068 S * 8/2016 Min D14/248
 D766,201 S * 9/2016 Zhang D14/138 G
 D767,522 S * 9/2016 Wu D14/138 G
 D774,486 S * 12/2016 Defazio D14/138 G
 D775,095 S * 12/2016 Kim D14/138 G
 D775,097 S * 12/2016 Husgafvel D14/138 G
 D783,557 S * 4/2017 Lee D14/138 G
 D784,280 S * 4/2017 Kim D14/138 AA
 D784,281 S * 4/2017 Ryu D14/138 G
 D787,465 S * 5/2017 Levi D14/138 G
 D791,096 S * 7/2017 Hu D14/138 G
 D798,834 S * 10/2017 Fan D14/138 G
 D802,553 S * 11/2017 Berneth D14/138 G
 D828,322 S * 9/2018 Ryu D14/138 G
 D829,188 S * 9/2018 Xu D14/138 G
 10,203,433 B2 * 2/2019 Yoon G02B 5/045
 2010/0167791 A1 * 7/2010 Lim H04M 1/0235
 455/566
 2011/0069027 A1 * 3/2011 Kim H04M 1/0283
 345/173

2012/0175506 A1* 7/2012 Wittenberg H03K 17/9631
 250/216
 2016/0035336 A1* 2/2016 Chang H04M 1/0202
 455/575.1
 2018/0275769 A1* 9/2018 Ikeda H04M 1/185

FOREIGN PATENT DOCUMENTS

CN 301976905 * 7/2012
 CN 302423520 * 5/2013
 CN 302578548 * 9/2013
 CN 303159860 * 4/2015
 CN 303266065 * 7/2015
 CN 303339030 S 8/2015
 CN 303453914 * 11/2015
 CN 303466651 * 11/2015
 KR 30-0667880 S 11/2012

OTHER PUBLICATIONS

Google Pixel, announced Oct. 2016, [online], [retrieved on Mar. 22, 2019]. Retrieved from Internet ,<URL: <http://www.gsmarena.com>>.*
 Motorola XT928, announced Dec. 2011, [online], [retrieved on Feb. 3, 2012]. Retrieved from Internet ,<URL: <http://www.gsmarena.com>>.*
 Sony Xperia ion, announced Jan. 2012, [online], [retrieved on Feb. 3, 2012]. Retrieved from Internet ,<URL: <http://www.gsmarena.com>>.*
 LG V10, announced Oct. 2015, [online], [retrieved on Dec. 5, 2016]. Retrieved from Internet ,<URL: <http://www.gsmarena.com>>.*

* cited by examiner

FIG. 1

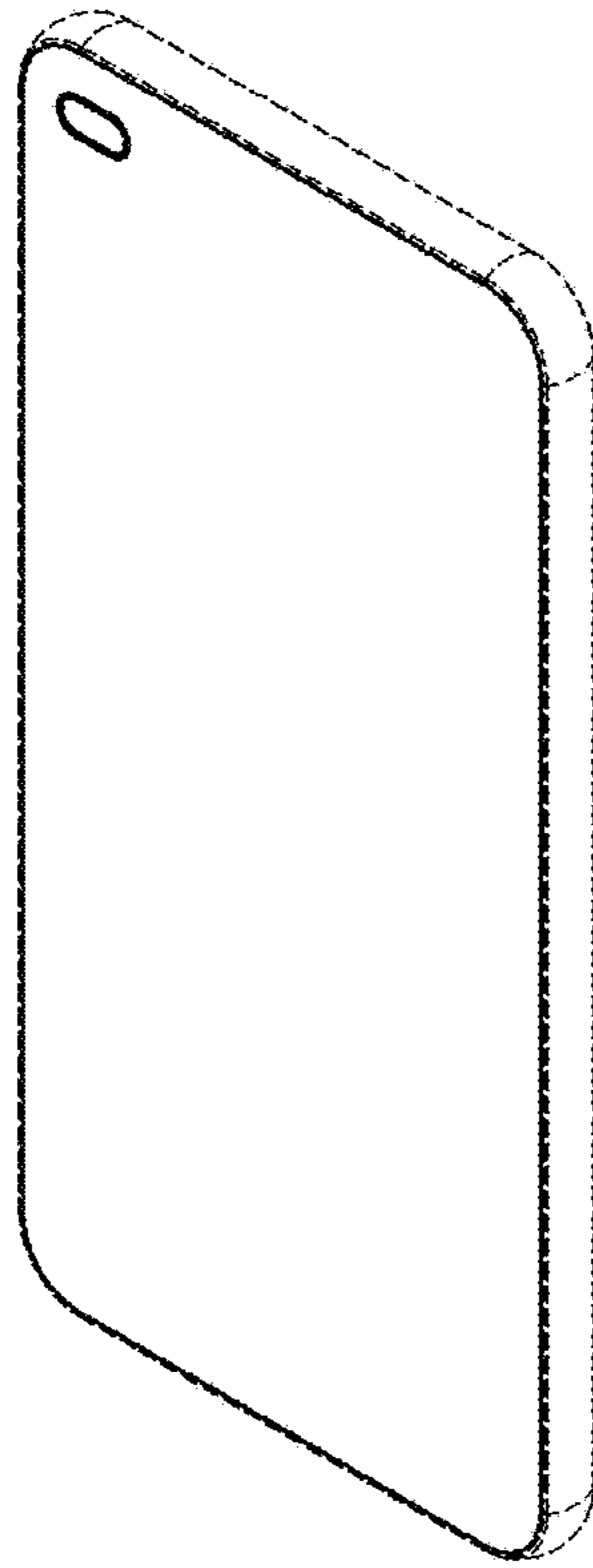


FIG. 2

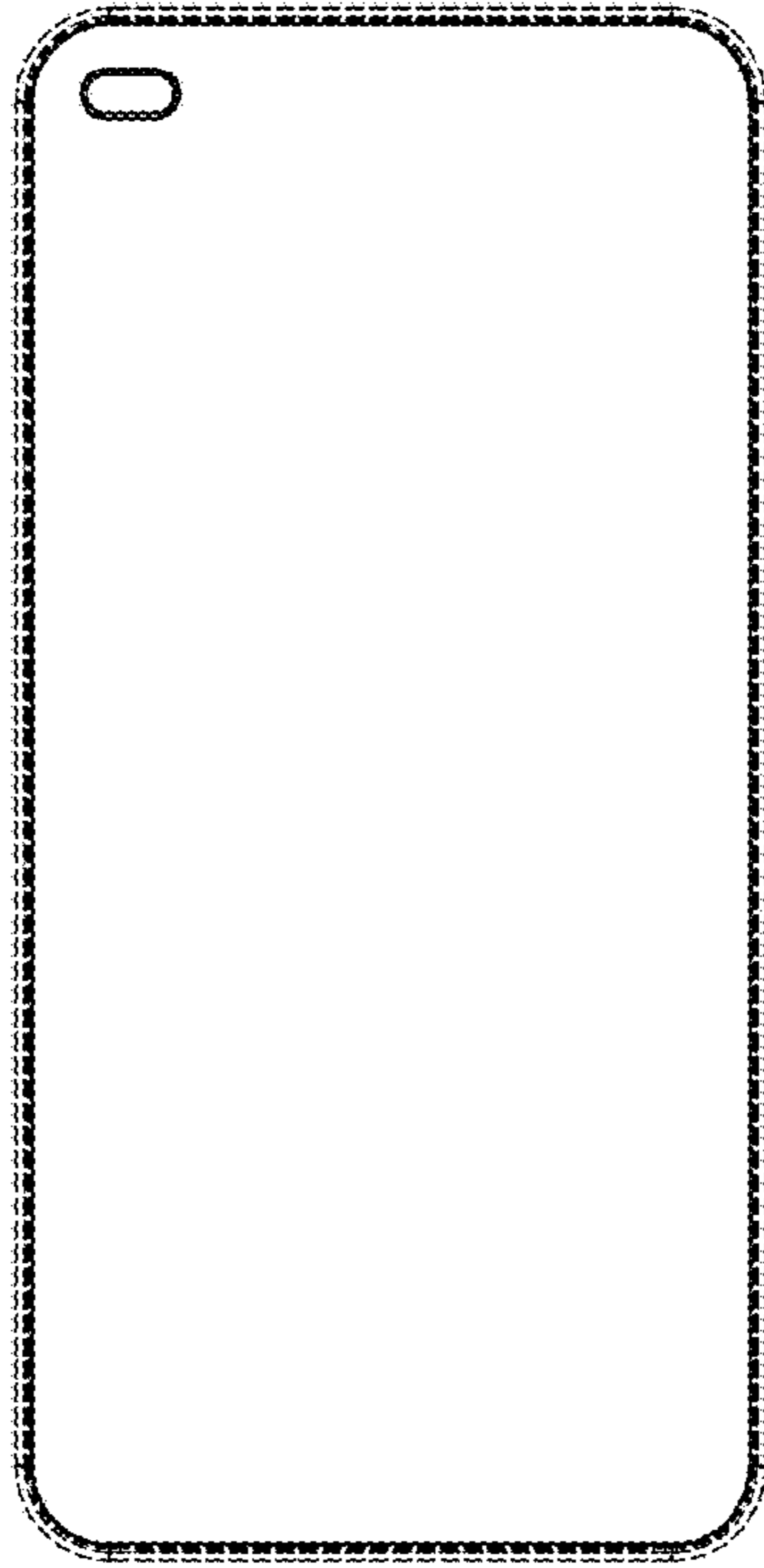


FIG. 3

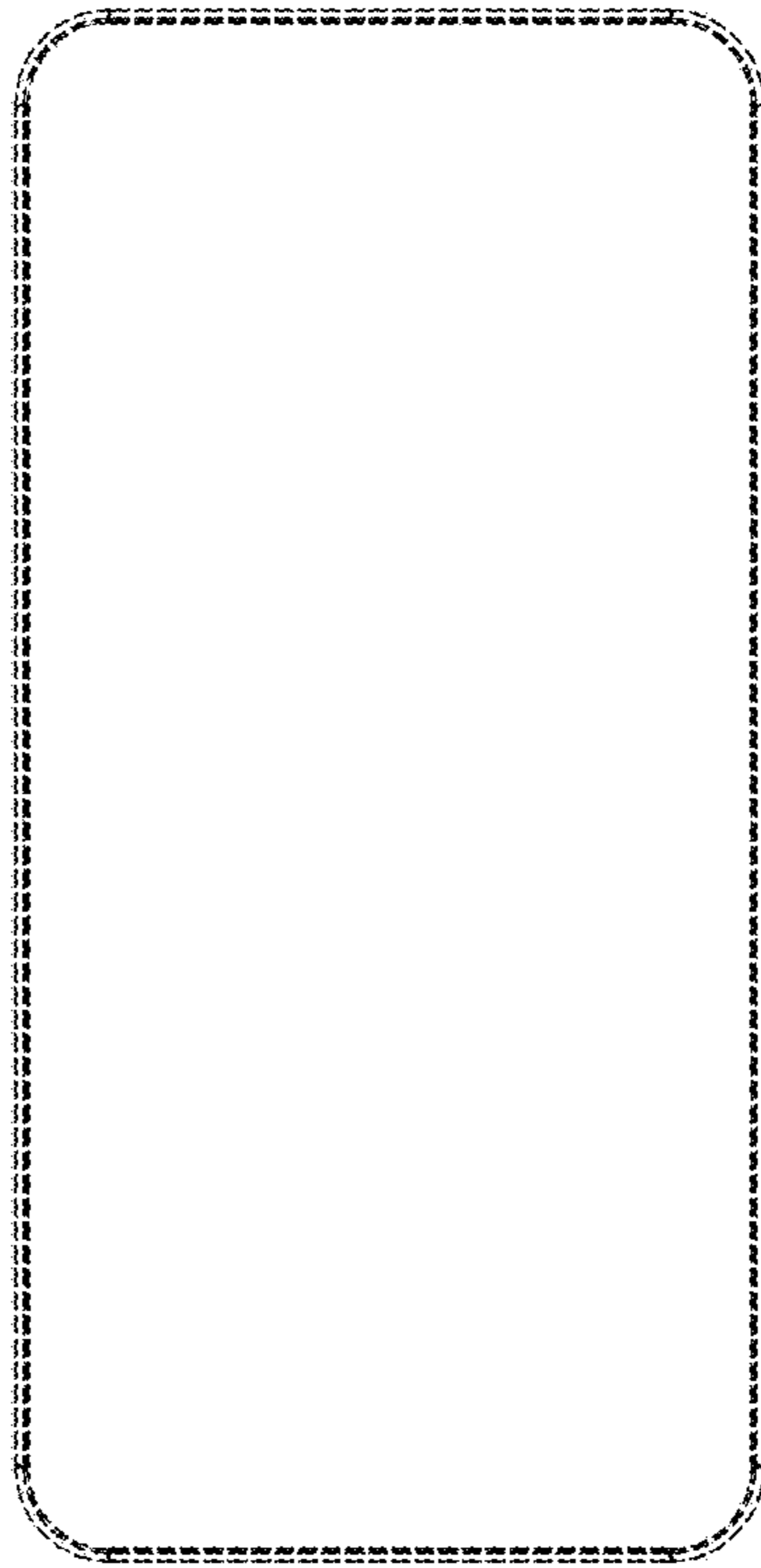


FIG. 4

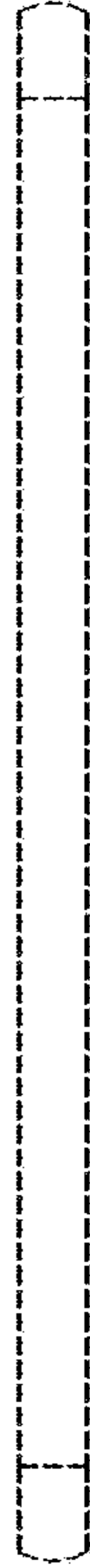


FIG. 5



FIG. 6

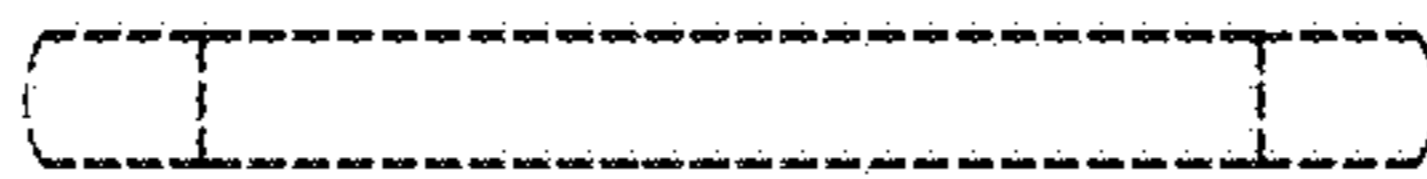


FIG. 7

