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(12) **United States Design Patent** (10) **Patent No.:** **US D971,211 S**  
**Nam et al.** (45) **Date of Patent:** **\*\* \*Nov. 29, 2022**

(54) **DISPLAY MODULE**

FOREIGN PATENT DOCUMENTS

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CN 303134444 \* 3/2015  
CN 340869300 10/2018

(Continued)

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OTHER PUBLICATIONS

Screen Protector for Samsung Galaxy S20, LK, amazon.com, published by LK on Jan. 5, 2020 © 1996-2020 Amazon.com, Inc., online, site visited Aug. 31, 2020. Available at URL: [https://www.amazon.com/LK-Ultrasonic-Fingerprint-Compatible-Anti-Scratch/dp/B083HS5Y1K/ref=as\\_li\\_ss\\_tl?keywords=samsun...](https://www.amazon.com/LK-Ultrasonic-Fingerprint-Compatible-Anti-Scratch/dp/B083HS5Y1K/ref=as_li_ss_tl?keywords=samsun...) (Year: 2020).\*

(Continued)

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

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

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(30) **Foreign Application Priority Data**

(57) **CLAIM**

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The ornamental design for a display module, as shown and described.

(51) **LOC (13) Cl.** ..... **14-02**

(52) **U.S. Cl.**  
USPC ..... **D14/374**; D14/250; D14/432

(58) **Field of Classification Search**  
USPC .... D14/203.8, 305, 307, 315–316, 336–337, D14/341, 371–372, 374–375, 448–451, D14/489, 900, 138 R, 138 AB, 138 AA, D14/138 C, 138 G, 250, 345, 424–425, D14/432, 479; D24/160, 186; D19/9–10, D19/75–76; D12/203, 611; D13/154;  
(Continued)

**DESCRIPTION**

FIG. 1 is a perspective view of a display module; 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; and, FIG. 7 is a bottom view thereof.  
In the drawings, the claimed design is defined by the shaded surfaces. Broken lines and any unshaded regions immediately adjacent to solid lines illustrate portions of the display module and form no part thereof.

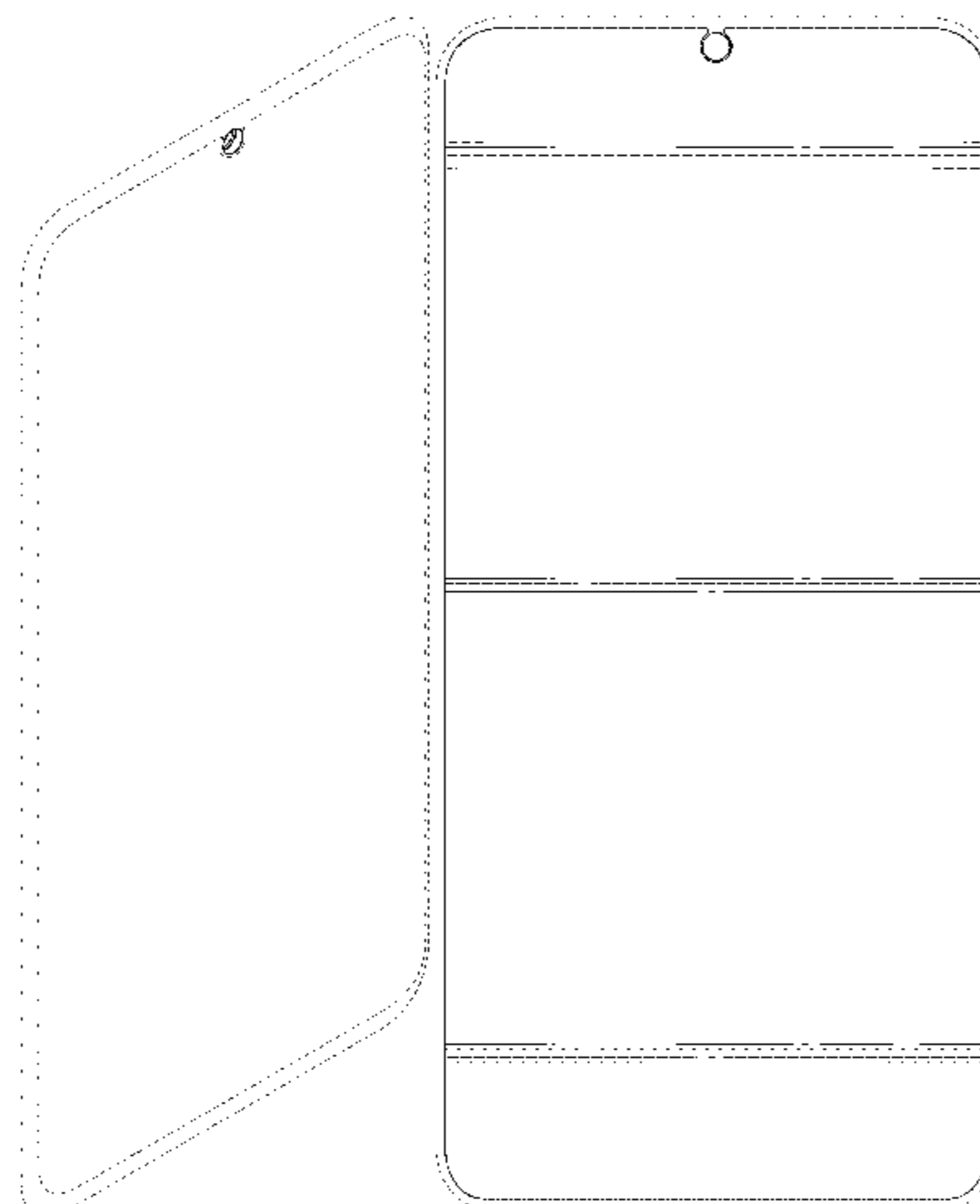
(56) **References Cited**

U.S. PATENT DOCUMENTS

915,789 A 3/1909 McComb  
3,943,649 A \* 3/1976 Foley ..... H04M 1/21  
40/336

(Continued)

**1 Claim, 7 Drawing Sheets**



- (58) **Field of Classification Search**  
 USPC ..... 40/336, 359–360, 380, 390; 455/575.1,  
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 2001/133314; H04N 5/2257  
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D294,793 S \* 3/1988 Luccisano ..... D6/601  
 D300,148 S 3/1989 Osofsky et al.  
 D310,098 S 8/1990 Ristuccia, Sr.  
 D310,502 S \* 9/1990 Gantner ..... D12/191  
 D384,971 S \* 10/1997 Kawan ..... D19/9  
 D438,563 S \* 3/2001 Webb ..... D19/10  
 D457,504 S 5/2002 Hori et al.  
 D475,352 S 6/2003 Longanecker  
 D514,619 S \* 2/2006 Brink ..... D19/9  
 D517,602 S \* 3/2006 Brink ..... D19/9  
 D529,456 S 10/2006 Chia  
 D558,834 S 1/2008 Au Yeung  
 D566,725 S 4/2008 Kaneko et al.  
 D599,849 S \* 9/2009 Halbur ..... D19/10  
 D627,826 S \* 11/2010 Halimi ..... D20/27  
 D642,614 S \* 8/2011 Ahmad ..... D19/10  
 D678,261 S \* 3/2013 Akana ..... D14/250  
 D678,951 S \* 3/2013 Kaderli ..... D20/27  
 D697,511 S \* 1/2014 Andre ..... H05K 5/0247  
 D704,190 S \* 5/2014 Sugino ..... D14/432  
 9,001,502 B1 \* 4/2015 Cowan ..... G06F 1/1633  
 361/679.01  
 D745,605 S \* 12/2015 Dancausse ..... D20/27  
 D746,265 S \* 12/2015 Colby ..... D14/217  
 D747,320 S \* 1/2016 Snyder ..... D14/440  
 D748,625 S \* 2/2016 Takahashi ..... D14/345  
 D751,557 S 3/2016 Lane  
 D753,605 S 4/2016 McPherson  
 D759,640 S 6/2016 Wadsworth  
 D772,199 S 11/2016 Igarashi  
 D800,127 S \* 10/2017 Beaupre ..... D14/432  
 D800,128 S 10/2017 Beaupre et al.  
 D800,130 S 10/2017 Beaupre et al.  
 D802,594 S \* 11/2017 Beaupre ..... D14/432  
 D804,462 S \* 12/2017 Lamb ..... D14/250  
 D804,463 S \* 12/2017 Lamb ..... D14/250  
 D804,464 S \* 12/2017 Lamb ..... D14/250  
 D811,408 S \* 2/2018 Wadsworth ..... D14/432  
 D812,062 S \* 3/2018 MacDonald ..... D14/432  
 D812,063 S \* 3/2018 Lane ..... D14/432  
 D817,945 S \* 5/2018 Wadsworth ..... D14/250  
 D828,335 S \* 9/2018 Lin ..... D14/217  
 D831,740 S \* 10/2018 Sippola ..... D19/9  
 D832,829 S \* 11/2018 Kwon ..... D14/248  
 D833,439 S \* 11/2018 MacDonald ..... D14/432  
 D833,440 S \* 11/2018 Beaupre ..... D14/432  
 D833,441 S \* 11/2018 Beaupre ..... D14/432  
 D833,443 S \* 11/2018 Wadsworth ..... D14/432  
 D834,024 S \* 11/2018 Beaupre ..... D14/432  
 D835,108 S \* 12/2018 MacDonald ..... D14/432  
 D836,115 S \* 12/2018 Beaupre ..... D14/432

10,306,784 B2 5/2019 Franklin et al.  
 D864,293 S \* 10/2019 Lowe ..... G06K 19/02  
 D19/10  
 D867,350 S \* 11/2019 Park ..... D14/248  
 D867,450 S \* 11/2019 Maiman ..... D19/9  
 10,496,916 B1 \* 12/2019 Cowan ..... G06K 19/07722  
 D876,479 S \* 2/2020 Seo ..... D14/489  
 D877,242 S \* 3/2020 Arneja ..... D19/9  
 D879,197 S \* 3/2020 Russell-Clarke ..... D19/10  
 10,592,025 B2 \* 3/2020 Noguchi ..... G06F 3/0446  
 10,609,826 B2 \* 3/2020 Choi ..... H02J 50/10  
 D887,382 S \* 6/2020 Park ..... D14/138 G  
 D888,701 S \* 6/2020 Nam ..... D14/248  
 D890,762 S \* 7/2020 Nam ..... D14/439  
 D891,419 S \* 7/2020 Akana ..... D14/250  
 10,757,808 B2 \* 8/2020 Kim ..... H05K 13/04  
 D912,652 S \* 3/2021 Nam ..... D14/248  
 D914,024 S \* 3/2021 Kim ..... D14/439  
 D915,409 S \* 4/2021 Koo ..... D14/439  
 2013/0210504 A1 \* 8/2013 Mareno ..... H01Q 1/243  
 455/575.8  
 2016/0204817 A1 \* 7/2016 Kim ..... H04B 1/3888  
 455/575.8  
 2017/0149474 A1 \* 5/2017 Kim ..... H04B 5/0075  
 2017/0289324 A1 \* 10/2017 Yeo ..... G03B 29/00  
 2017/0339261 A1 \* 11/2017 Chiang ..... H04M 1/0266  
 2018/0156964 A1 \* 6/2018 Song ..... G02F 1/133308  
 2018/0180866 A1 \* 6/2018 Kaminaga ..... H04M 1/04  
 2018/0196475 A1 \* 7/2018 Bao ..... G02F 1/133514  
 2018/0307278 A1 \* 10/2018 Mody ..... G06F 1/1626  
 2018/0309867 A1 \* 10/2018 Sabin ..... G06F 3/013  
 2018/0314298 A1 \* 11/2018 Scaggs ..... G06F 1/1637  
 2019/0075197 A1 3/2019 Roncetti et al.  
 2019/0098120 A1 \* 3/2019 Deng ..... C09J 7/00  
 2019/0230261 A1 \* 7/2019 Hu ..... G02B 13/009  
 2019/0317629 A1 10/2019 Jung et al.  
 2019/0393444 A1 12/2019 Nam et al.  
 2020/0057470 A1 \* 2/2020 Buono ..... B32B 7/12  
 2020/0057523 A1 2/2020 Park et al.  
 2020/0094467 A1 \* 3/2020 Cho ..... B29C 63/0004  
 2020/0174310 A1 \* 6/2020 Pan ..... G02F 1/133512  
 2020/0198222 A1 \* 6/2020 Sorensen ..... B29C 63/02  
 2020/0218117 A1 \* 7/2020 Engelen ..... G02F 1/133603  
 2020/0230868 A1 \* 7/2020 Lin ..... B29C 63/0056  
 2020/0235342 A1 \* 7/2020 Park ..... H01L 27/3272  
 2020/0264715 A1 \* 8/2020 Eom ..... G06F 3/044  
 2020/0273397 A1 \* 8/2020 Jeong ..... H01L 25/0753  
 2020/0273926 A1 \* 8/2020 Lee ..... H01L 27/3246

FOREIGN PATENT DOCUMENTS

CN 305376521 \* 10/2019  
 CN 305482129 \* 12/2019  
 CN 305530447 \* 1/2020

OTHER PUBLICATIONS

Greenwood, V.; After One Colon-Embedded Bread Clip Too Many, Doctors Provide Design Analysis, Call for Reform, Discover Magazine, Discoblog, Sep. 23, 2011, 1 page.

\* cited by examiner

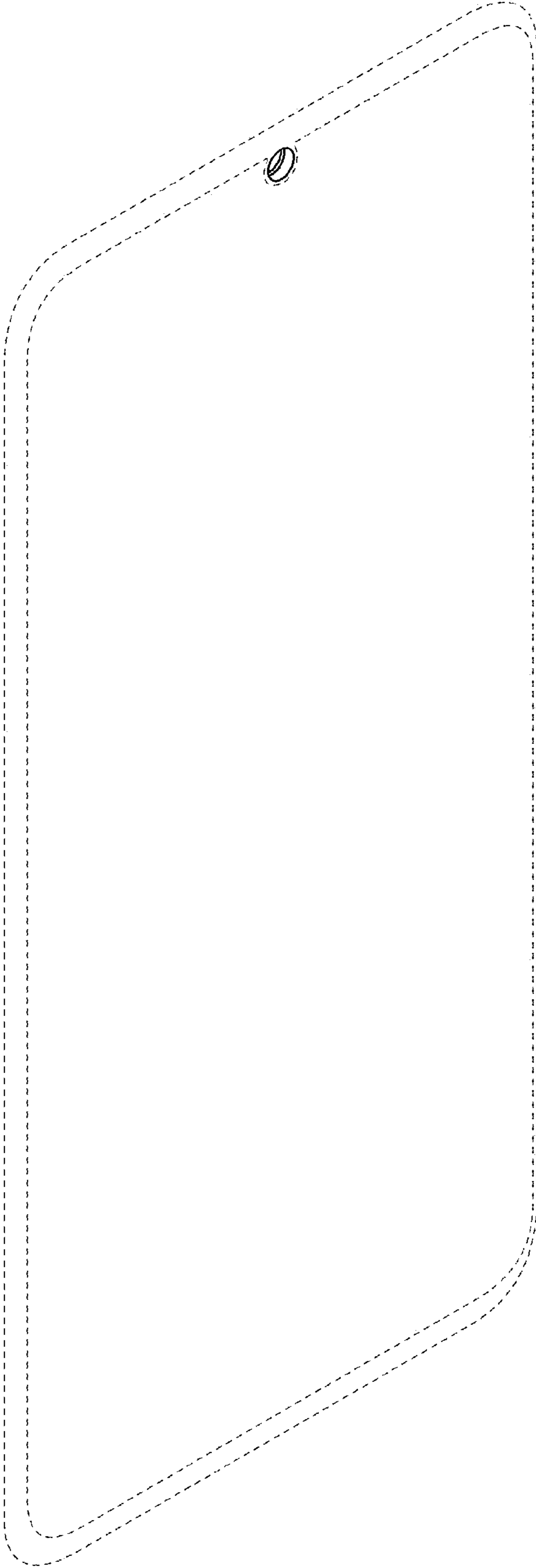


FIG. 1

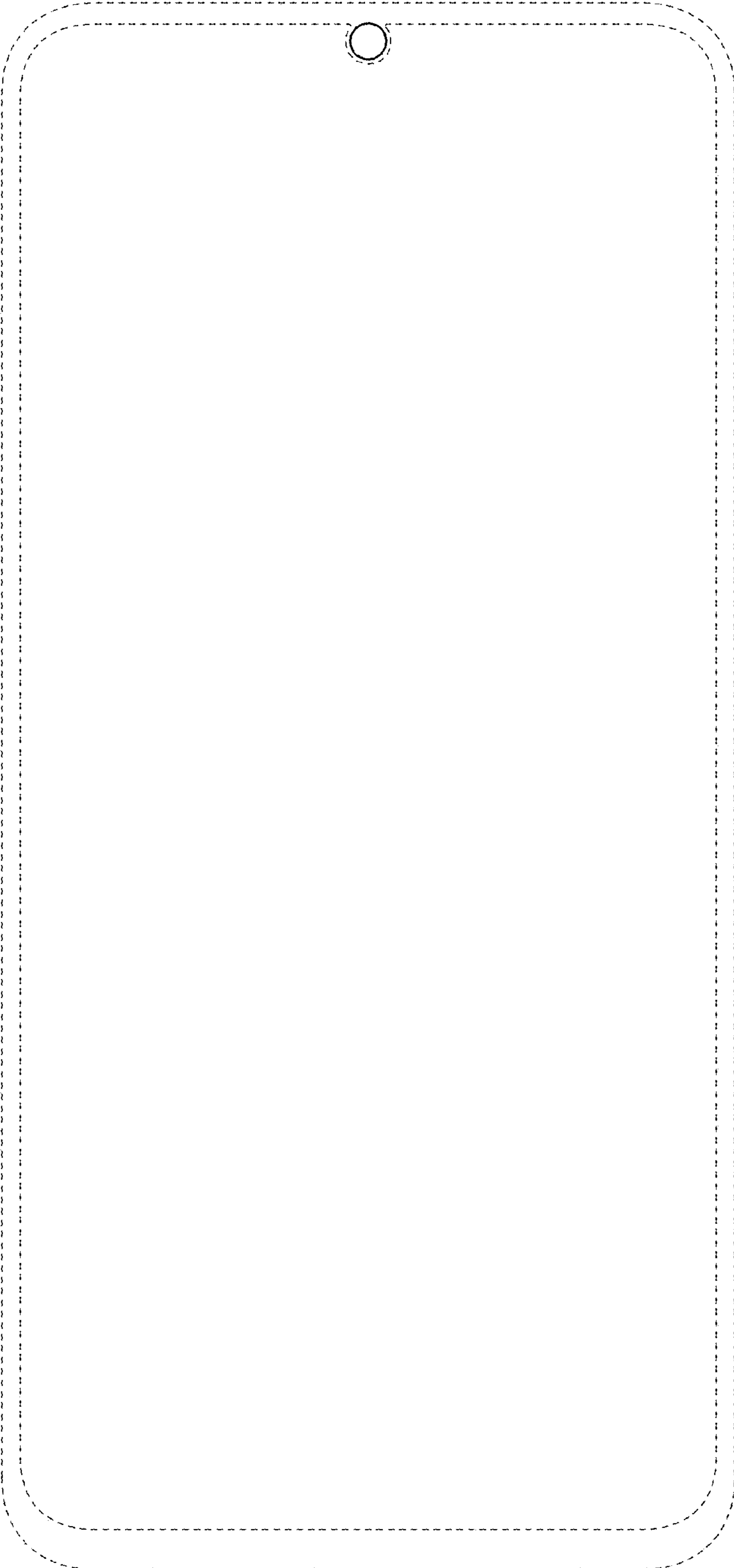


FIG. 2

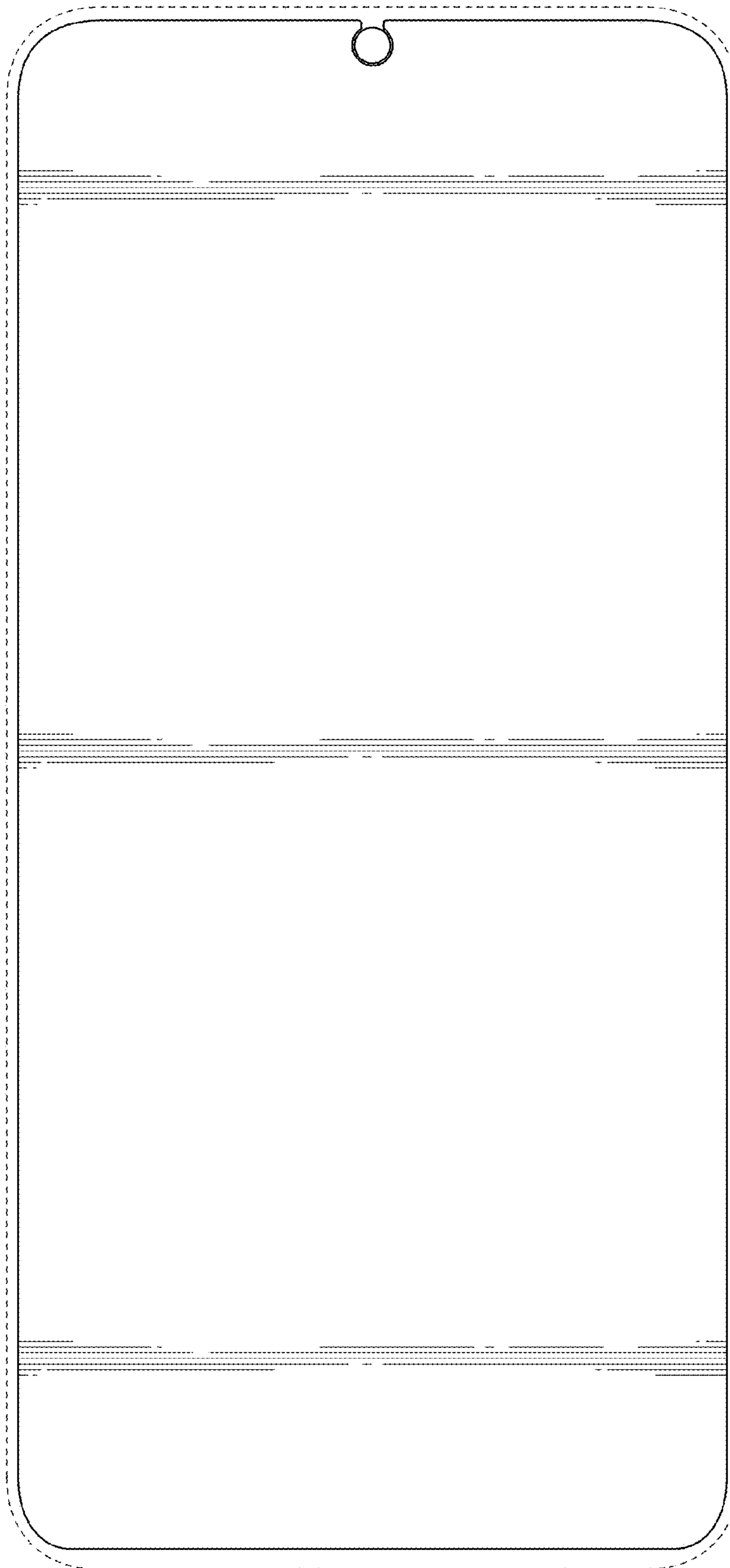


FIG. 3

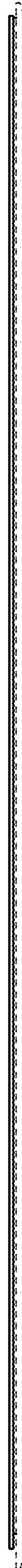
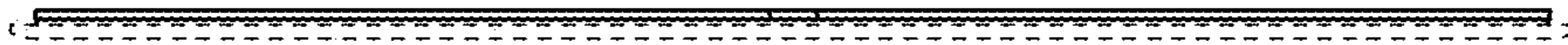


FIG. 4

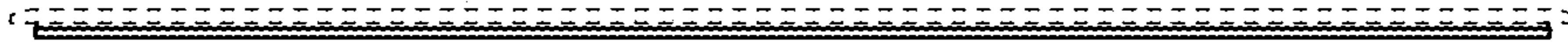


FIG. 5



**FIG. 6**





**FIG. 7**