



US00D989055S

(12) **United States Design Patent** (10) **Patent No.:** **US D989,055 S**
Ji et al. (45) **Date of Patent:** **** *Jun. 13, 2023**

(54) **MOBILE PHONE**

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

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(*) 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 (14) Cl.** **14-03**

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

(58) **Field of Classification Search**
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D14/138 C, 138 R, 138 G, 203.4, 214,
D14/248, 250, 315-318, 330, 341, 342,
D14/345-347, 426; D21/330
CPC G06F 1/1652; G06F 1/1641; G06F 1/1647;
H04M 1/0268
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D576,992 S * 9/2008 Kim D14/138 AA
D631,458 S * 1/2011 Liao D14/138 G
D679,269 S * 4/2013 Fahlgren D14/248
D712,401 S * 9/2014 Lee D14/341

(Continued)

OTHER PUBLICATIONS

TCL foldable concepts first look: A tri-fold tablet and a rollable smartphone!, first available Mar. 5, 2020 [online], retrieved May 24, 2022, available at URL: <https://www.youtube.com/watch?v=IUfgBzajEJo> (Year: 2020).*

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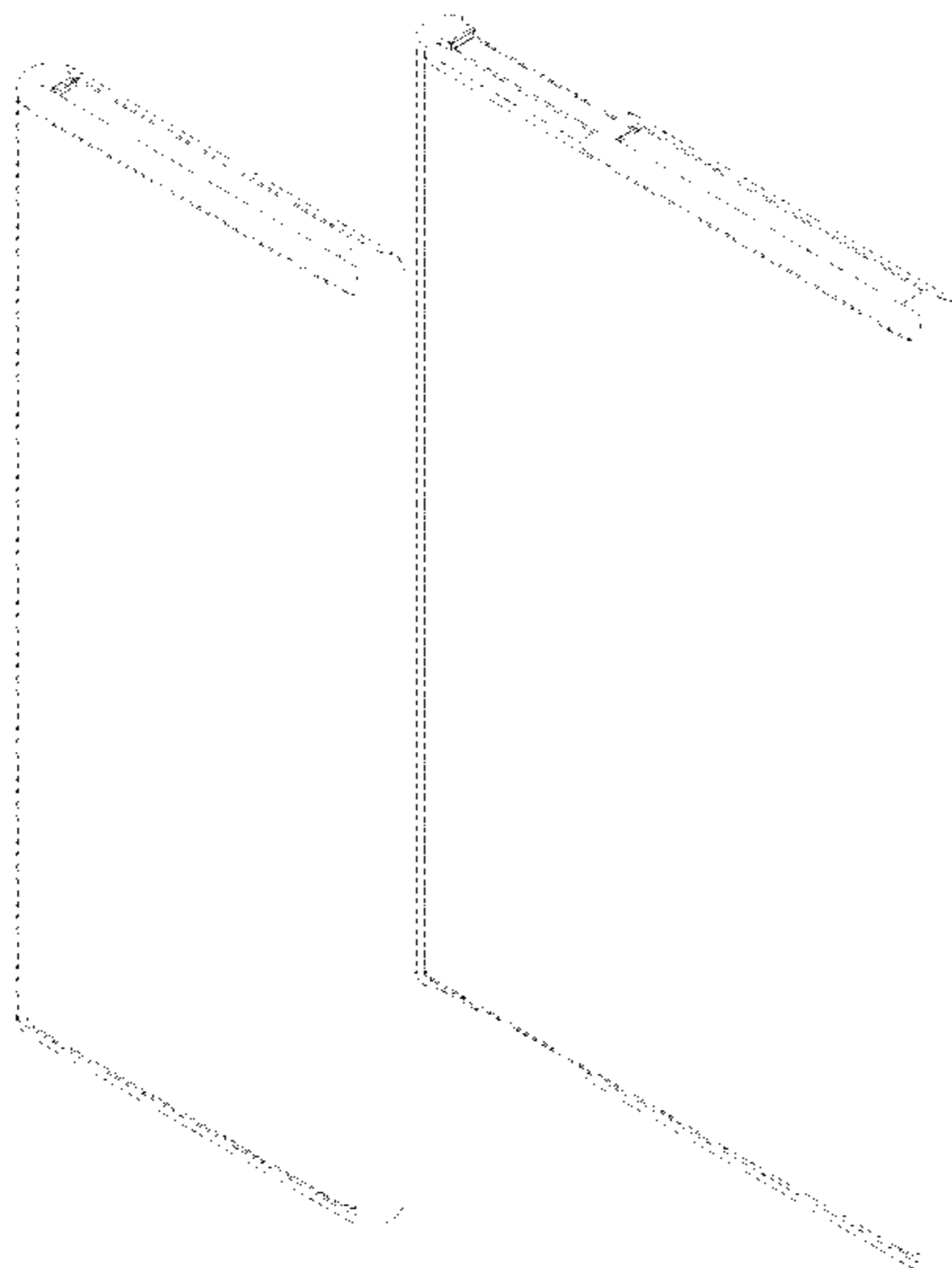
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front perspective view of the mobile phone showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a back 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;
FIG. 7 is a bottom plan view thereof;
FIG. 8 is a back perspective view thereof;
FIG. 9 is a front perspective view in a condition that the claimed design has been expanded;
FIG. 10 is a front view of FIG. 9
FIG. 11 is a back view of FIG. 9
FIG. 12 is a left side view of FIG. 9
FIG. 13 is a right side view of FIG. 9
FIG. 14 is a top plan view of FIG. 9
FIG. 15 is a bottom plan view of FIG. 9; and,
FIG. 16 is a back perspective view of FIG. 9.
The broken lines depict portions of the mobile phone that form no part of the claimed design. The dash-dot broken lines define the bounds of the claimed design and form no part thereof.

1 Claim, 16 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D757,716 S * 5/2016 Park D14/341
 D757,718 S * 5/2016 Park D14/341
 D766,891 S * 9/2016 Hong D14/341
 D790,497 S * 6/2017 Kim D14/138 AA
 D912,045 S * 3/2021 Han D14/138 AD
 D923,598 S * 6/2021 Lee H04M 1/0268
 D14/138 AD
 11,057,514 B1 * 7/2021 Noh G06F 3/0488
 D926,718 S * 8/2021 Lee G06F 1/1624
 D14/138 AD
 D926,754 S * 8/2021 Han D14/138 AD
 D933,625 S * 10/2021 Lee D14/138 AD
 D934,847 S * 11/2021 Seo D14/248
 D936,049 S * 11/2021 Han D14/315
 D936,625 S * 11/2021 Lee D14/138 AD
 D936,626 S * 11/2021 Lee D14/138 AD
 D936,627 S * 11/2021 Lee D14/138 AD
 D940,677 S * 1/2022 Min D14/138 AD
 D940,680 S * 1/2022 Lee D14/138 AD
 2020/0267246 A1 * 8/2020 Song H04M 1/0268
 2021/0181801 A1 * 6/2021 Yin G06F 1/1652
 2021/0303027 A1 * 9/2021 Kim G06F 3/14

2021/0333991 A1 * 10/2021 Kim G06F 3/04886
 2022/0019336 A1 * 1/2022 Noh G06F 1/1624
 2022/0035523 A1 * 2/2022 Noh H04M 1/0237

OTHER PUBLICATIONS

TCL debuts concept smartphone with flexible roll-out display _ VentureBeat, first available Mar. 5, 2020 [online], retrieved Apr. 6, 2022, available at URL: <https://venturebeat.com/2020/03/05/tcl-debuts-concept-smartphone-with-flexible-roll-out-display/> (Year: 2020).*

TCL prototype phone with expandable, slide-out display—The Verge, first available Feb. 17, 2020 [online], retrieved Mar. 26, 2022, available at URL: <https://www.theverge.com/2020/2/17/21140897/tcl-slide-out-screen-foldable-device-leaked-images> (Year: 2020).*

Oppo's X 2021 rollable concept phone expands in your hand _ Engadget, first available Nov. 17, 2020 [online], retrieved Jan. 4, 2022, available at URL: <https://www.engadget.com/oppo-x-2021-rollable-concept-phone-093038483.html> (Year: 2020).*

LG Might Unroll The 'Rollable' Smartphone In 2021—Tech, first available Nov. 5, 2020 [online], retrieved Apr. 6, 2022, available at URL: <https://in.mashable.com/tech/18097/lg-might-unroll-the-rollable-smartphone-in-2021> (Year: 2020).*

* cited by examiner

FIG. 1

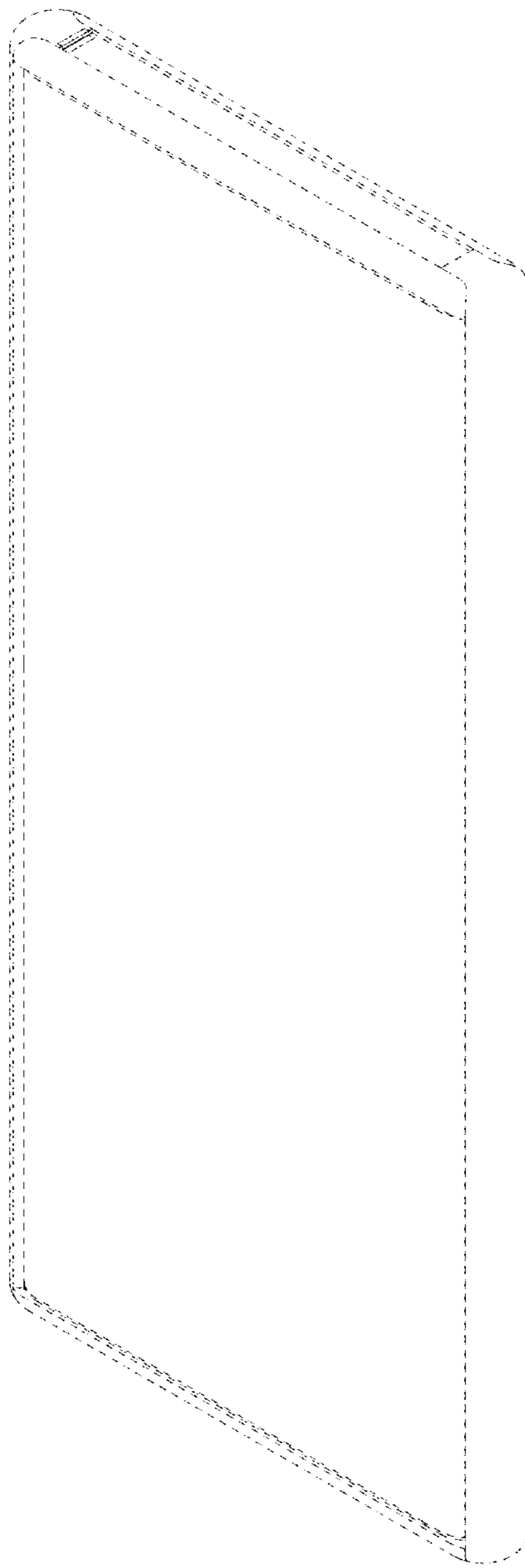


FIG. 2

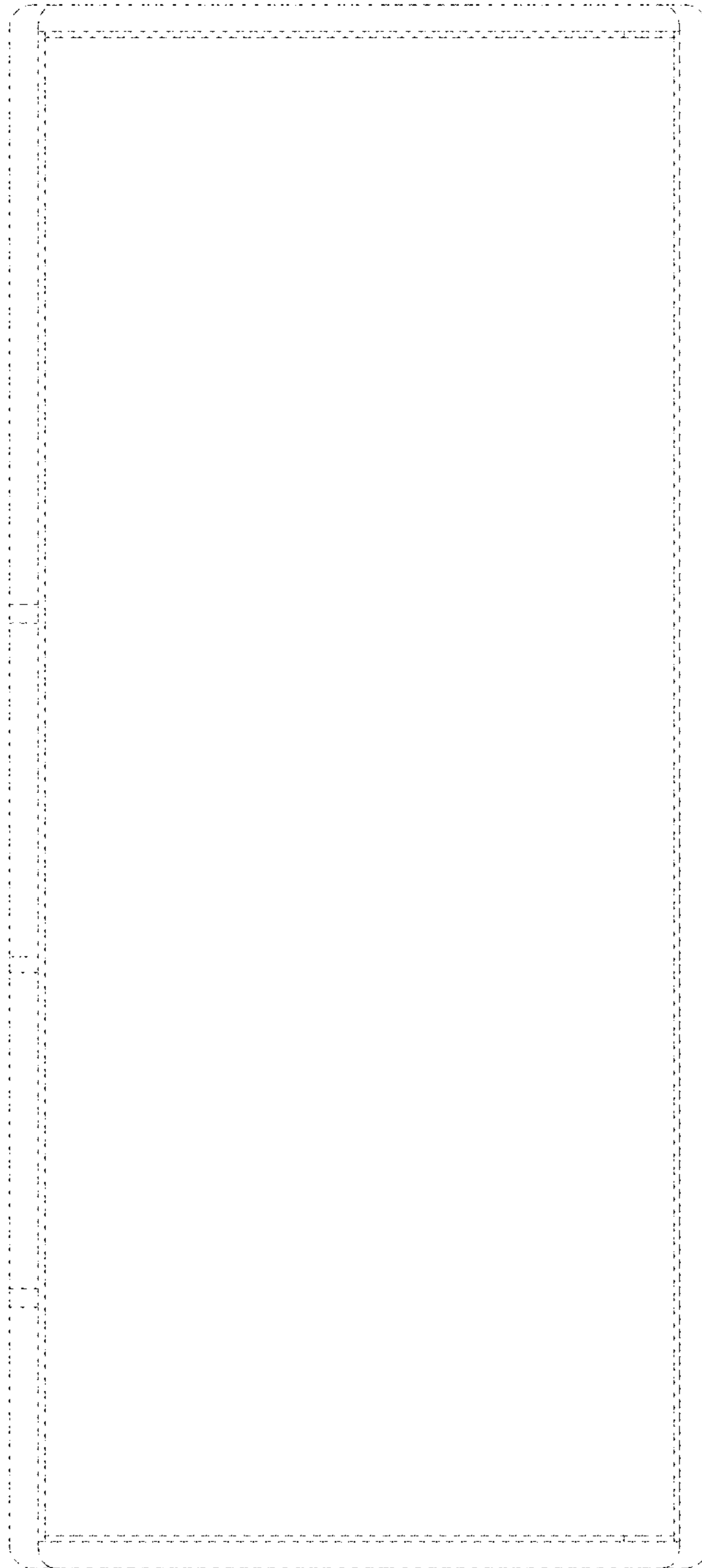


FIG. 3

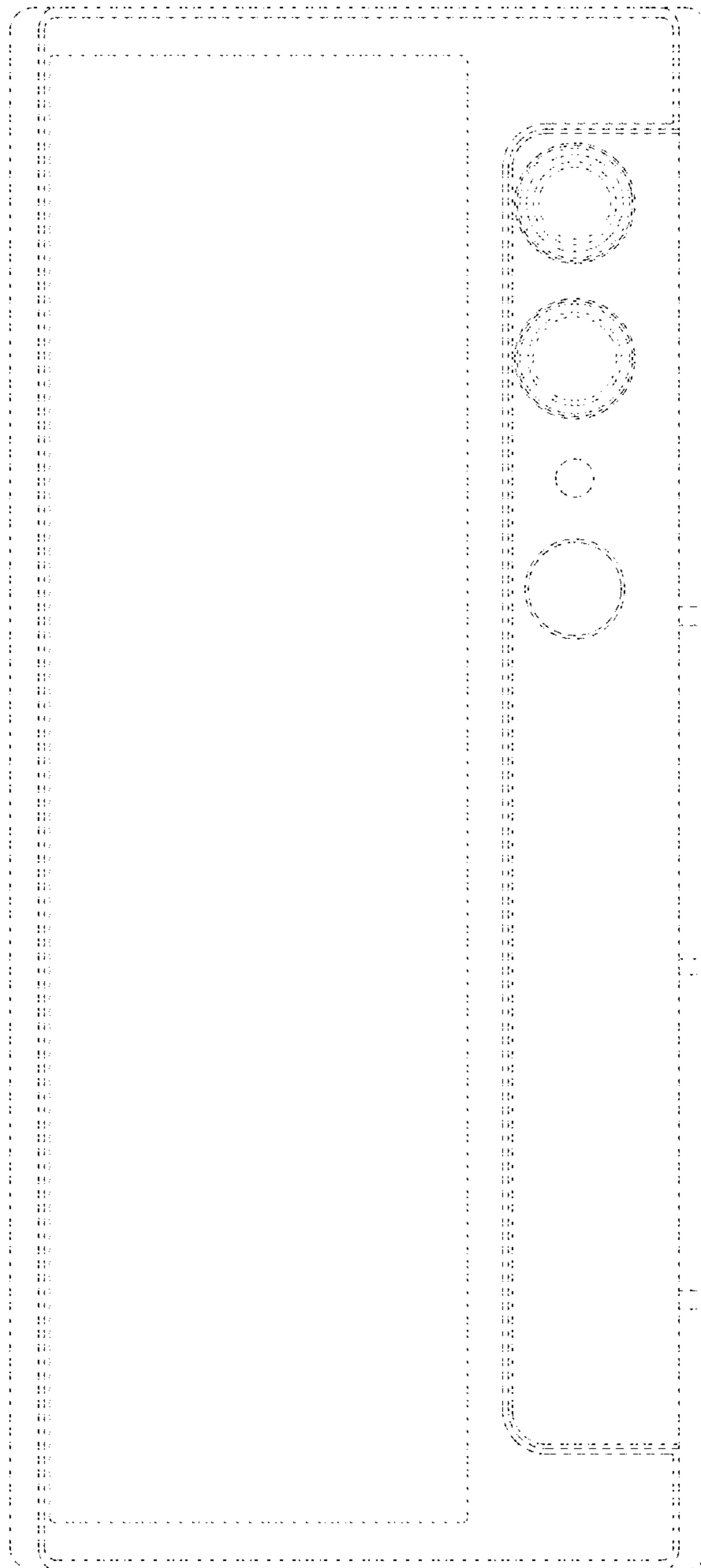


FIG. 4

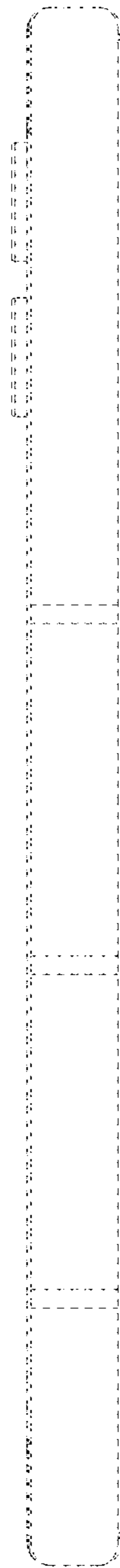


FIG. 5

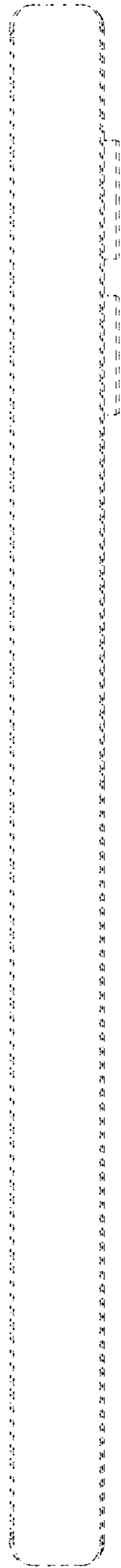


FIG. 6

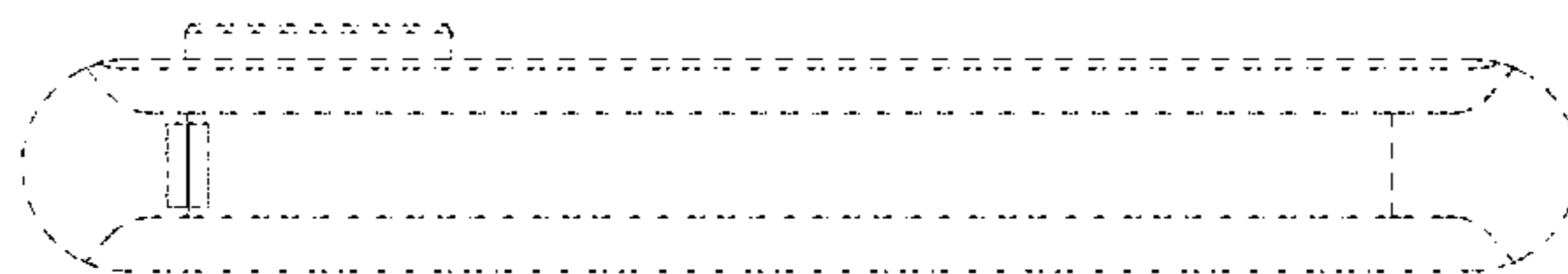


FIG. 7

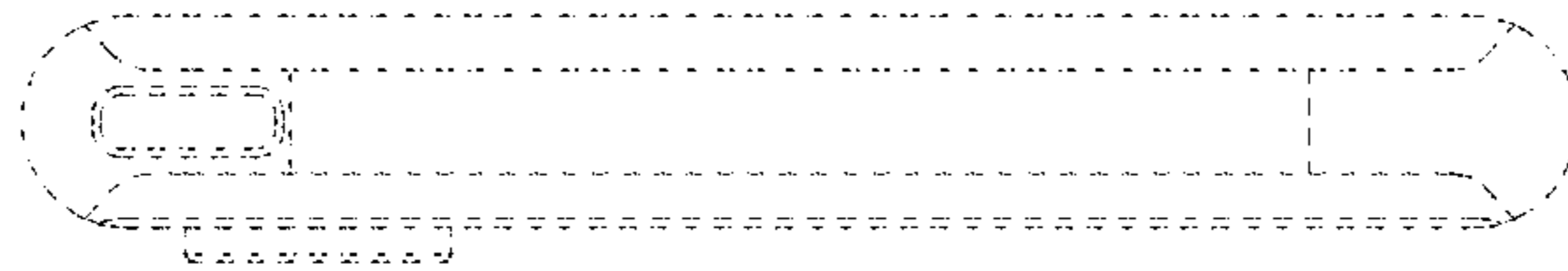


FIG. 8

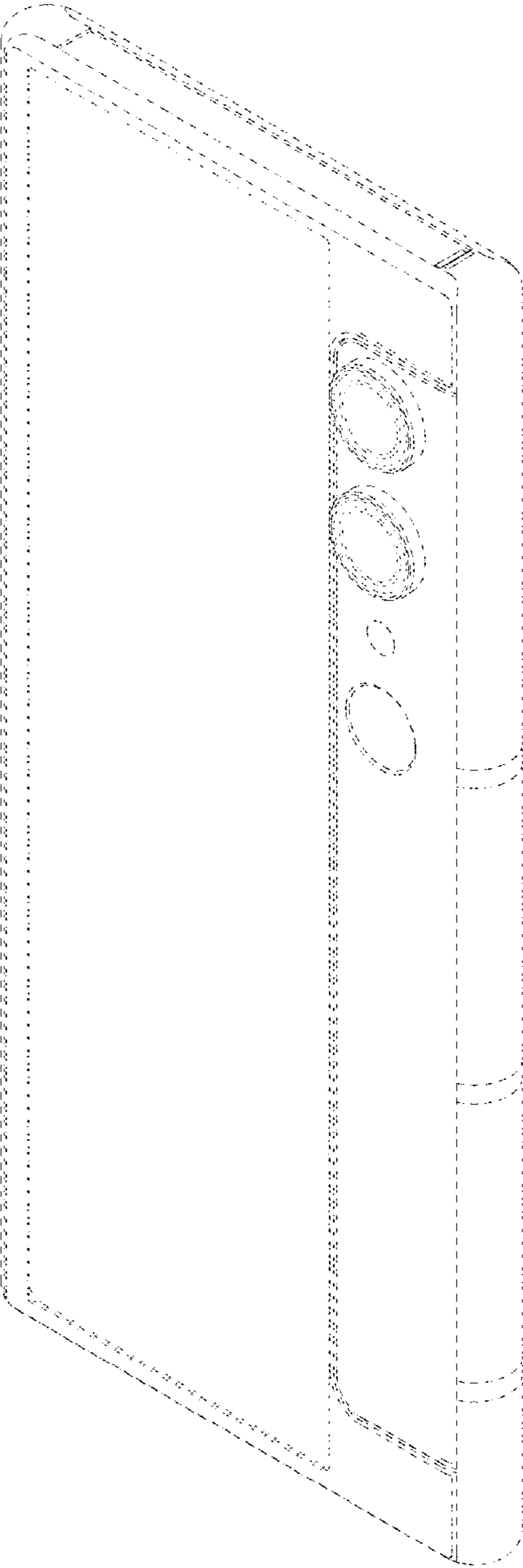


FIG. 9

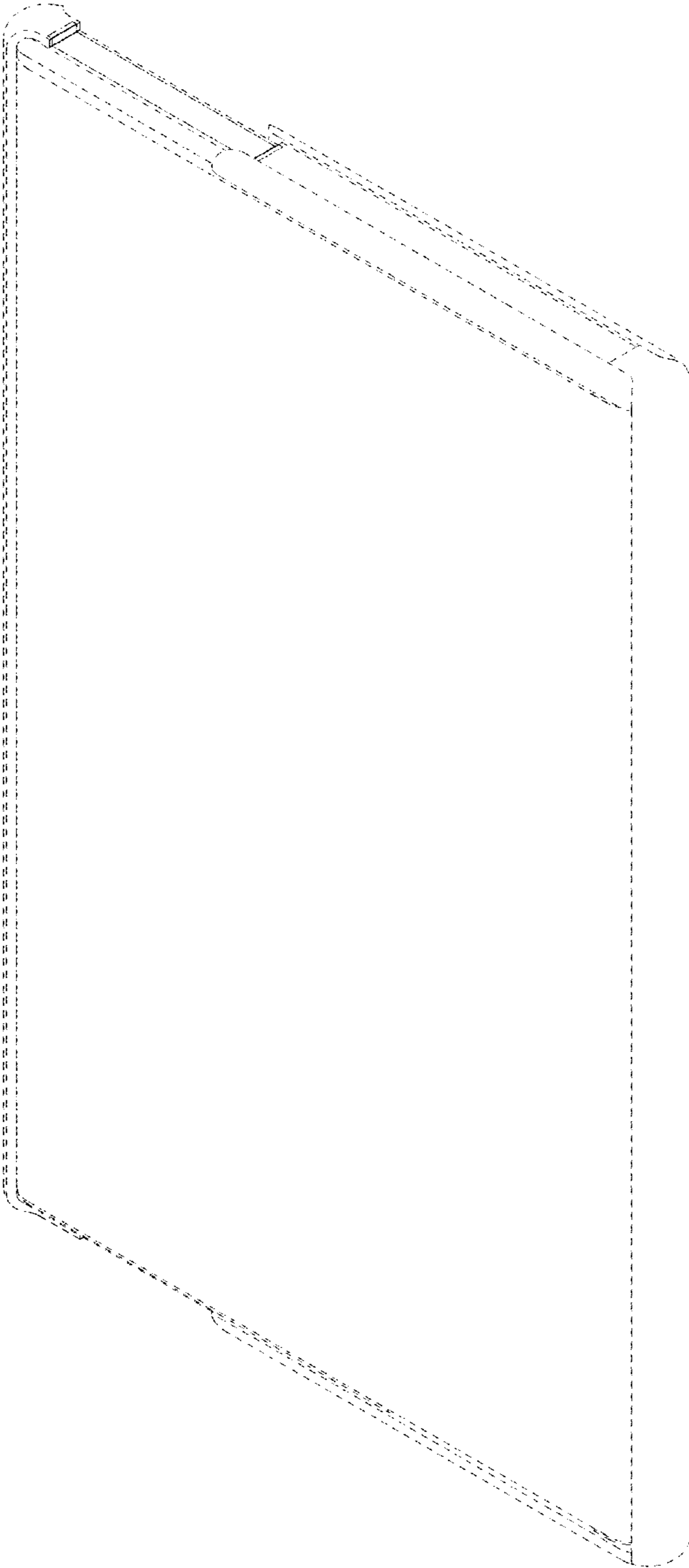


FIG. 10



FIG. 11

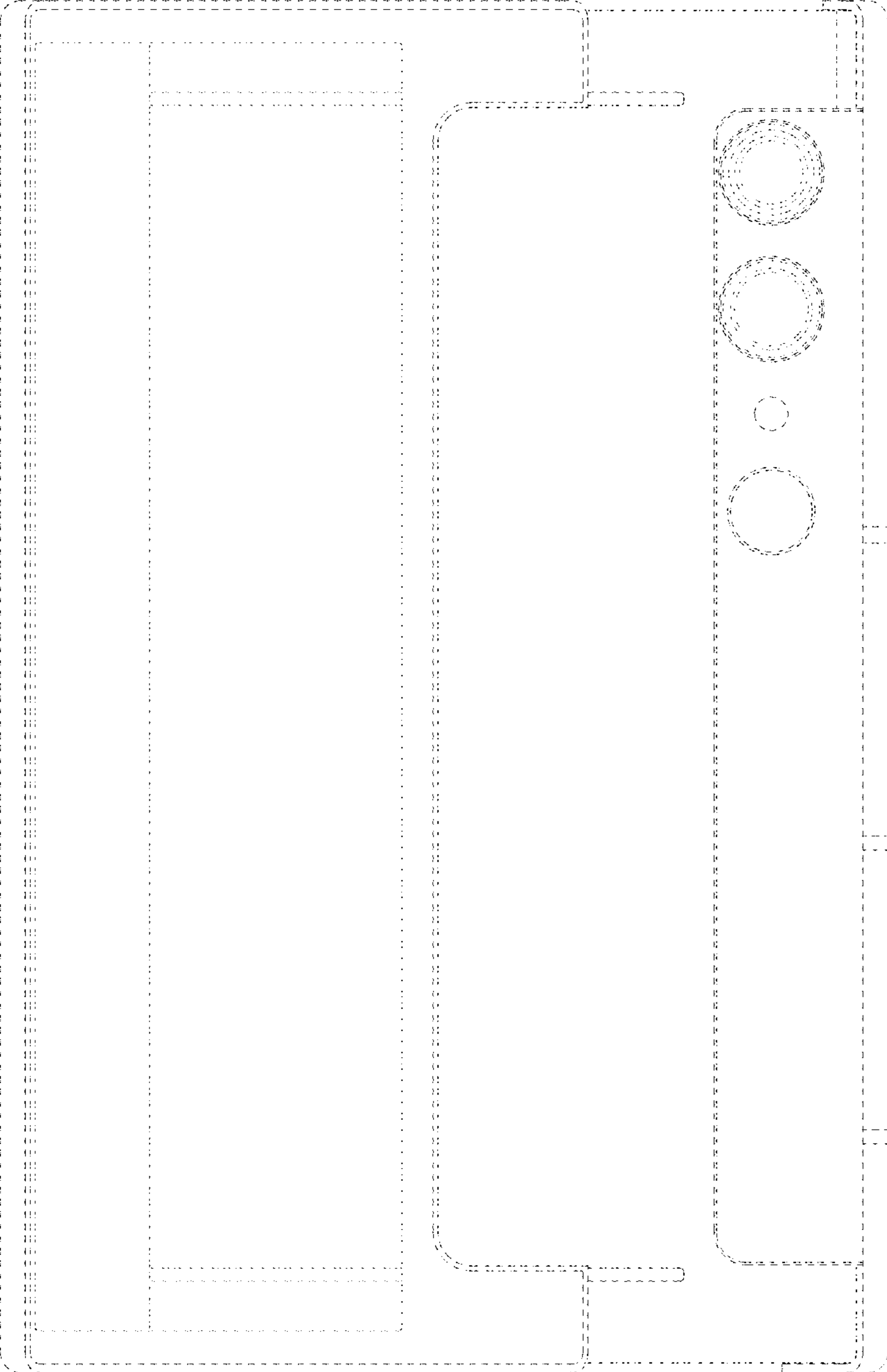


FIG. 12

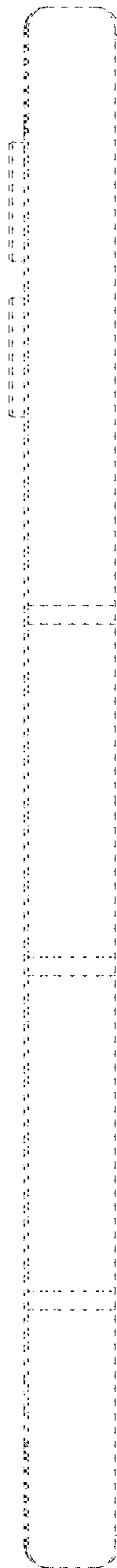


FIG. 13



FIG. 14

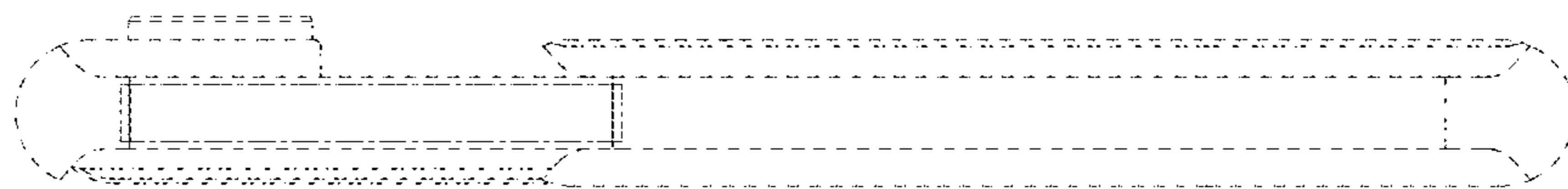


FIG. 15

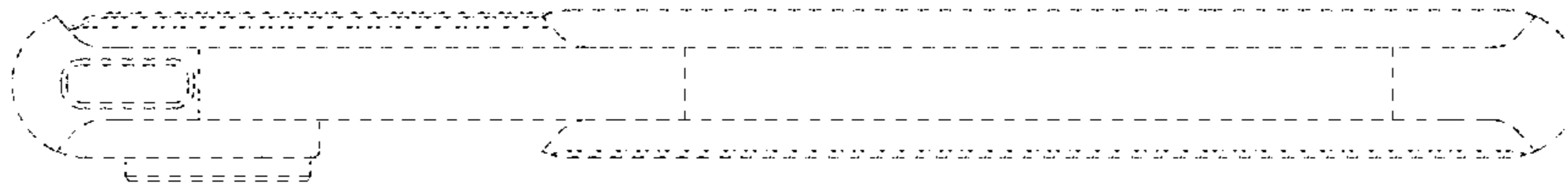


FIG. 16

