



US00D978848S

(12) **United States Design Patent** (10) **Patent No.:** **US D978,848 S**  
**Ji et al.** (45) **Date of Patent:** **\*\* \*Feb. 21, 2023**

(54) **MOBILE PHONE**

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

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

(Continued)

(72) Inventors: **Seunghyun Ji**, Seoul (KR); **Hongkyu Park**, Seoul (KR)

FOREIGN PATENT DOCUMENTS

JP D1476428 \* 8/2013

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

OTHER PUBLICATIONS

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

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

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

(Continued)

(21) Appl. No.: **29/752,522**

*Primary Examiner* — Wendy L Arminio

(22) Filed: **Sep. 28, 2020**

*Assistant Examiner* — Carrie S Gelula

(30) **Foreign Application Priority Data**

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

Apr. 6, 2020 (KR) ..... 30-2020-0015228

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

(57) **CLAIM**

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

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

(58) **Field of Classification Search**

**DESCRIPTION**

USPC .... D14/138 AA, 138 AB, 138 AC, 138 AD, 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.

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; and,  
FIG. 8 is a back perspective view thereof.

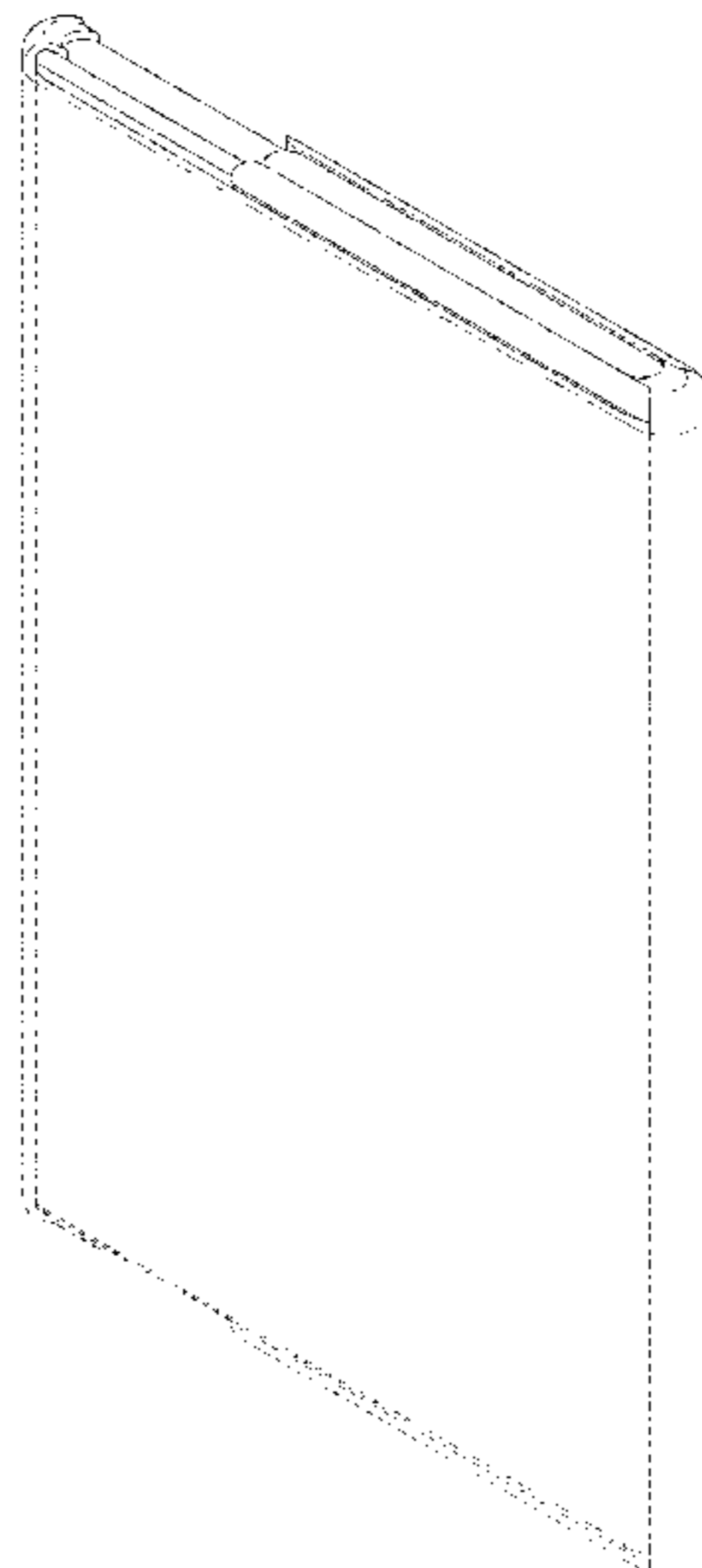
(56) **References Cited**

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  
D757,716 S \* 5/2016 Park ..... D14/341  
D757,718 S \* 5/2016 Park ..... D14/341

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, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

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, 2020, available at URL: <https://in.mashable.com/tech/18097/lg-might-unroll-the-rollable-smartphone-in-2021> (Year: 2020).\*

\* cited by examiner

FIG. 1

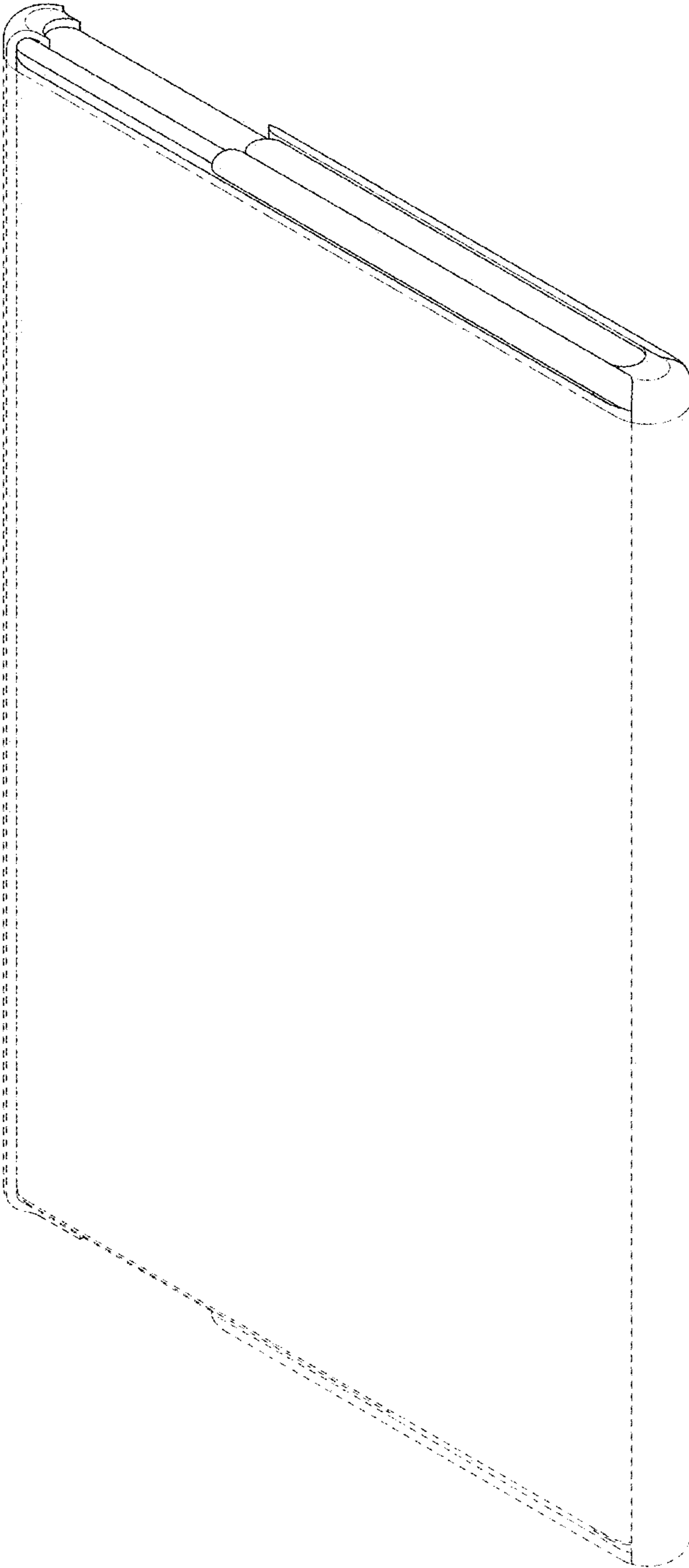


FIG. 2



FIG. 3

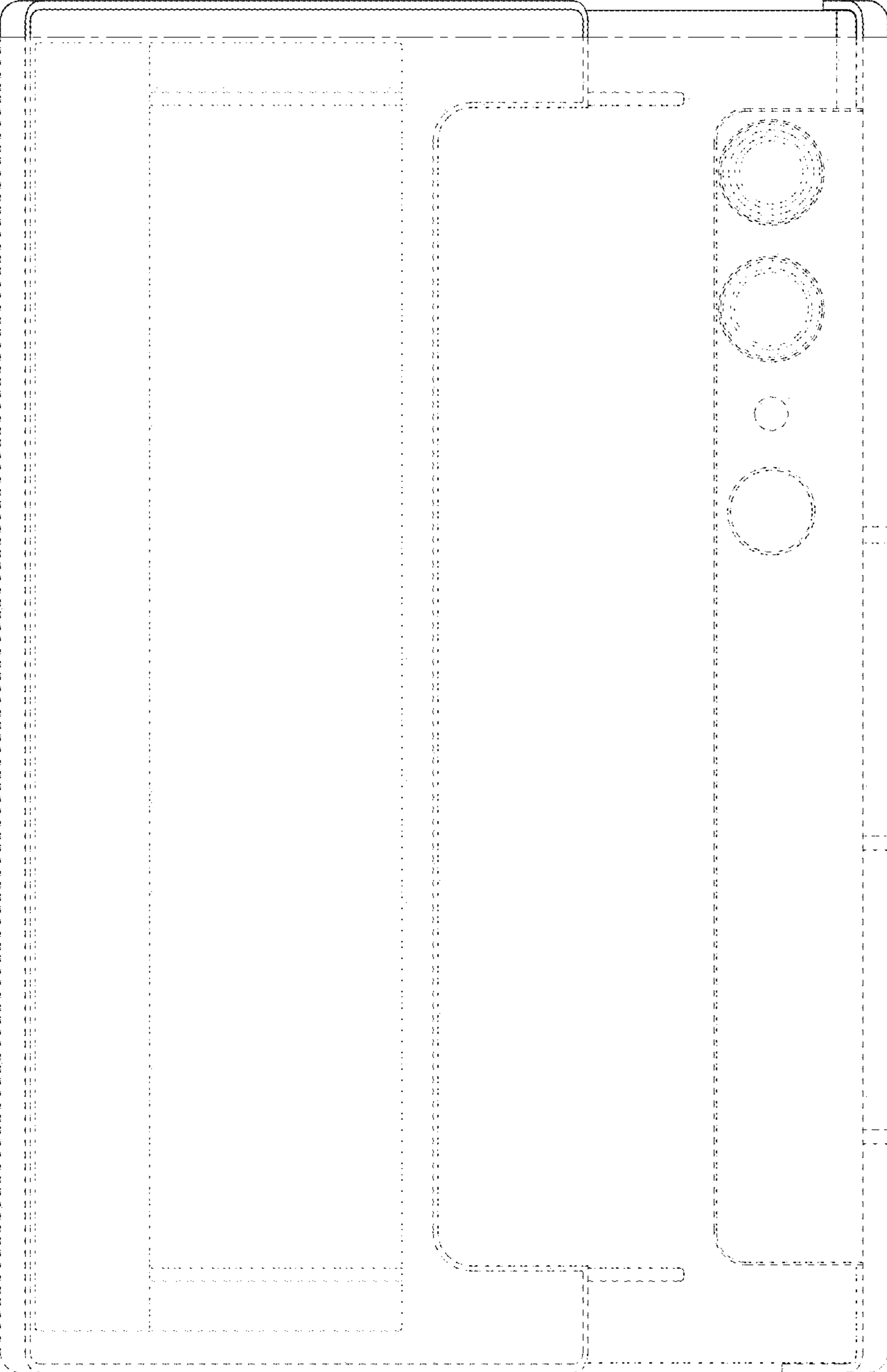


FIG. 4

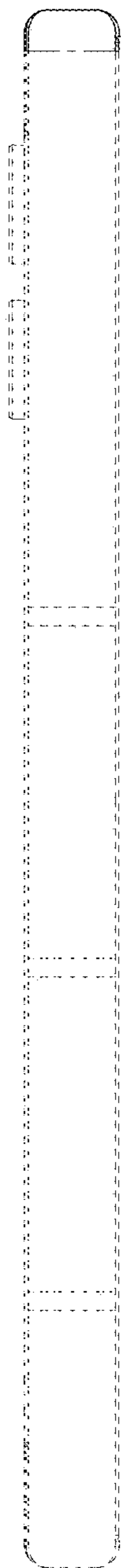


FIG. 5

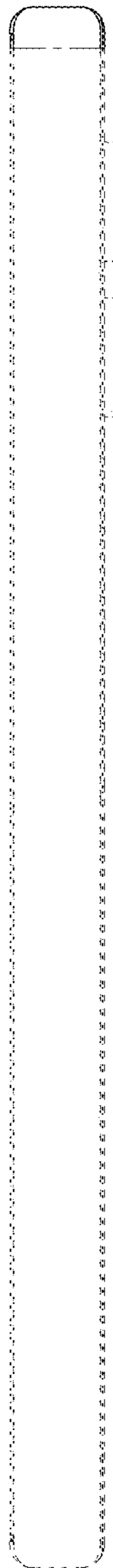


FIG. 6

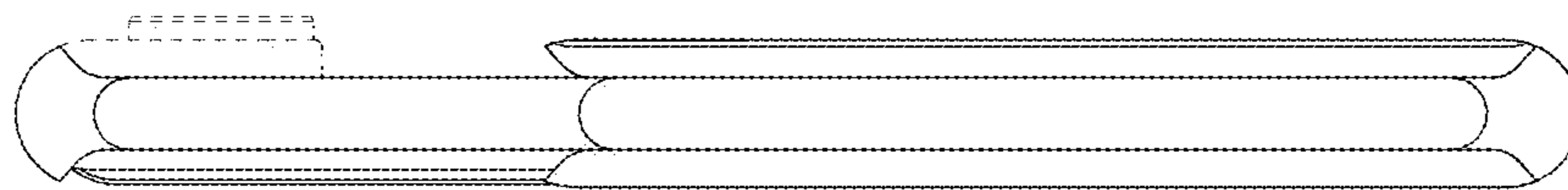




FIG. 7

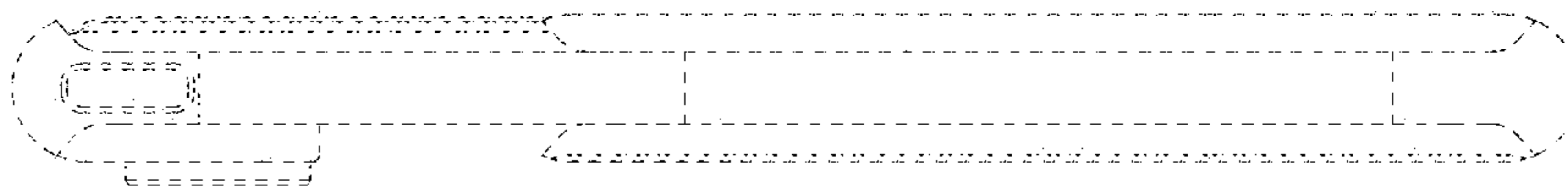


FIG. 8

