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(12) **United States Design Patent** (10) **Patent No.:** **US D894,144 S**  
**Lee et al.** (45) **Date of Patent:** **\*\* Aug. 25, 2020**

(54) **FOLDABLE MOBILE PHONE**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

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D713,841 S \* 9/2014 Lim ..... D14/341  
D719,540 S \* 12/2014 Lee ..... D14/138 AB  
9,013,368 B1 \* 4/2015 Kim ..... G06F 3/1446  
345/1.1  
D746,285 S \* 12/2015 Okabe ..... D14/345  
D749,571 S \* 2/2016 Park ..... D14/203.4  
D767,525 S \* 9/2016 Byun ..... D14/138 AB  
D769,209 S \* 10/2016 Byun ..... D14/138 AB  
D772,225 S \* 11/2016 Kim ..... D14/341  
D788,773 S \* 6/2017 Seo ..... D14/345

(Continued)

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

(57) **CLAIM**

(21) Appl. No.: **29/680,364**

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

(22) Filed: **Feb. 15, 2019**

**DESCRIPTION**

(30) **Foreign Application Priority Data**

Jan. 28, 2019 (CN) ..... 2019 3 0048834

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

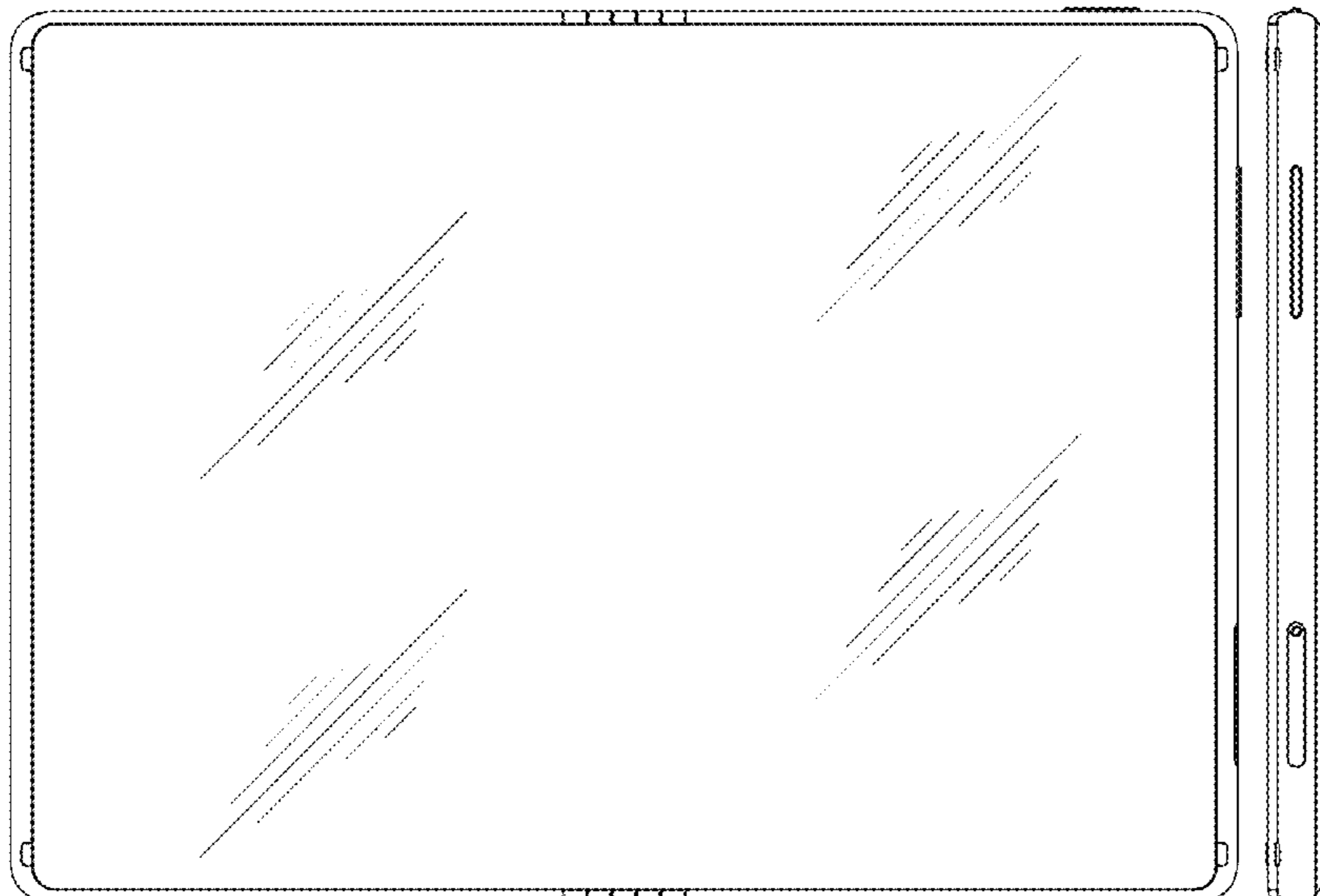
(52) **U.S. Cl.**  
USPC ..... **D14/138 AB**

(58) **Field of Classification Search**  
USPC .... D14/138 AB, 248, 341, 371, 374, 138 R,  
D14/138 AA, 138 G, 138 AC, 138 AD,  
D14/138 C, 247  
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; H04M 1/02; H04M 1/0279;  
H04M 1/0283

FIG. 1 is a perspective view of a foldable mobile phone shown in an unfolded state;  
FIG. 2 is another perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is a front elevational view of the foldable mobile phone shown in FIG. 1 in a first folded state;  
FIG. 10 is a rear elevational view thereof;  
FIG. 11 is a left side elevational view thereof;  
FIG. 12 is a right side elevational view thereof;  
FIG. 13 is a top plan view thereof;  
FIG. 14 is a bottom plan view thereof;  
FIG. 15 is a perspective view of the foldable mobile phone shown in FIG. 1 in a second folded state; and,  
FIG. 16 is another perspective view thereof.  
The shade lines in the figures show contour.

See application file for complete search history.

**1 Claim, 14 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D788,774 S \* 6/2017 Seo ..... D14/345  
D798,256 S \* 9/2017 Choo ..... D14/138 AA  
D798,257 S \* 9/2017 Choo ..... D14/138 AB  
9,798,359 B2 \* 10/2017 Seo ..... G06F 1/1652  
D814,455 S \* 4/2018 Kwon ..... D14/341  
D819,630 S \* 6/2018 Prushinskiy ..... D14/345  
D839,267 S \* 1/2019 Park ..... D14/345  
D875,091 S \* 2/2020 Kwon ..... D14/341  
10,609,190 B2 \* 3/2020 Chen ..... G06F 1/1616  
2007/0097014 A1 \* 5/2007 Solomon ..... G06F 1/1616  
345/1.1  
2015/0055287 A1 \* 2/2015 Seo ..... G06F 1/1641  
361/679.27  
2015/0338888 A1 \* 11/2015 Kim ..... G06F 3/04886  
345/156  
2015/0378397 A1 \* 12/2015 Park ..... G06F 1/1652  
361/679.27  
2016/0014403 A1 \* 1/2016 Stroetmann ..... G06F 1/1641  
348/53  
2016/0034047 A1 \* 2/2016 Lee ..... G06F 3/03  
345/156  
2016/0155967 A1 \* 6/2016 Lee ..... H01L 27/323  
257/88  
2016/0187935 A1 \* 6/2016 Tazbaz ..... G06F 1/163  
361/679.03

\* cited by examiner

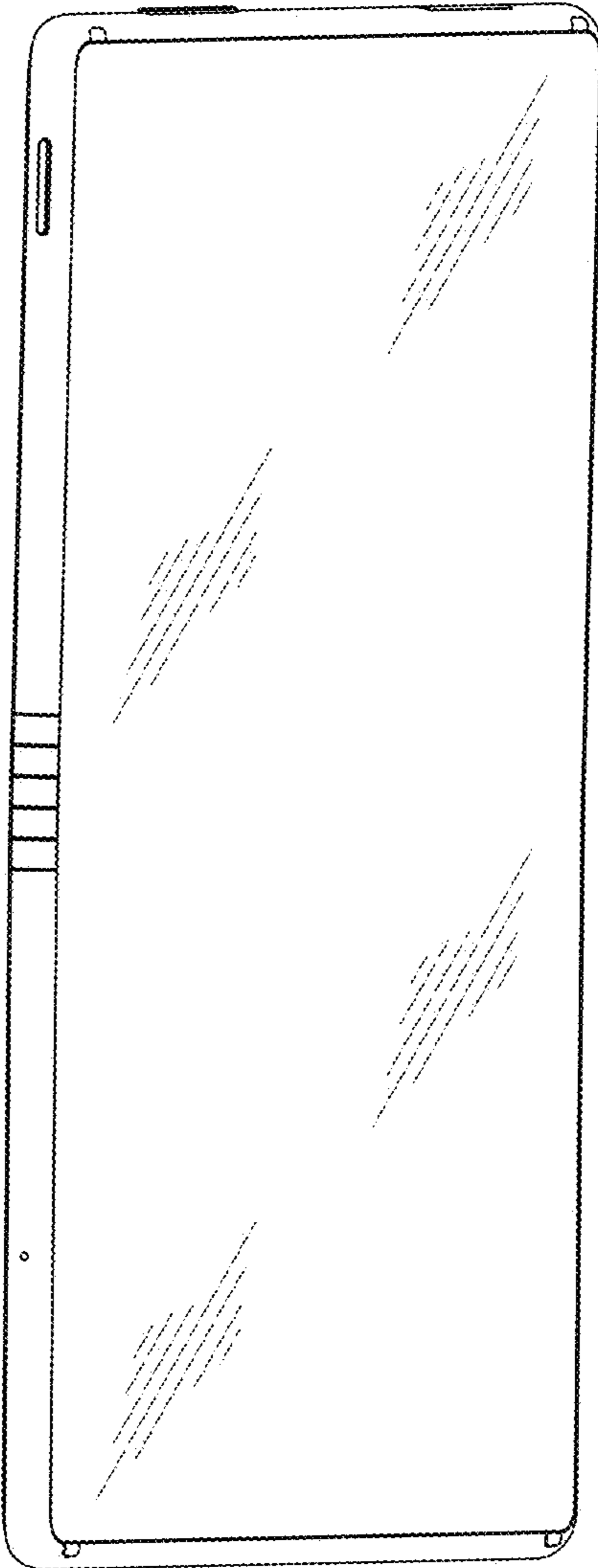


FIG. 1

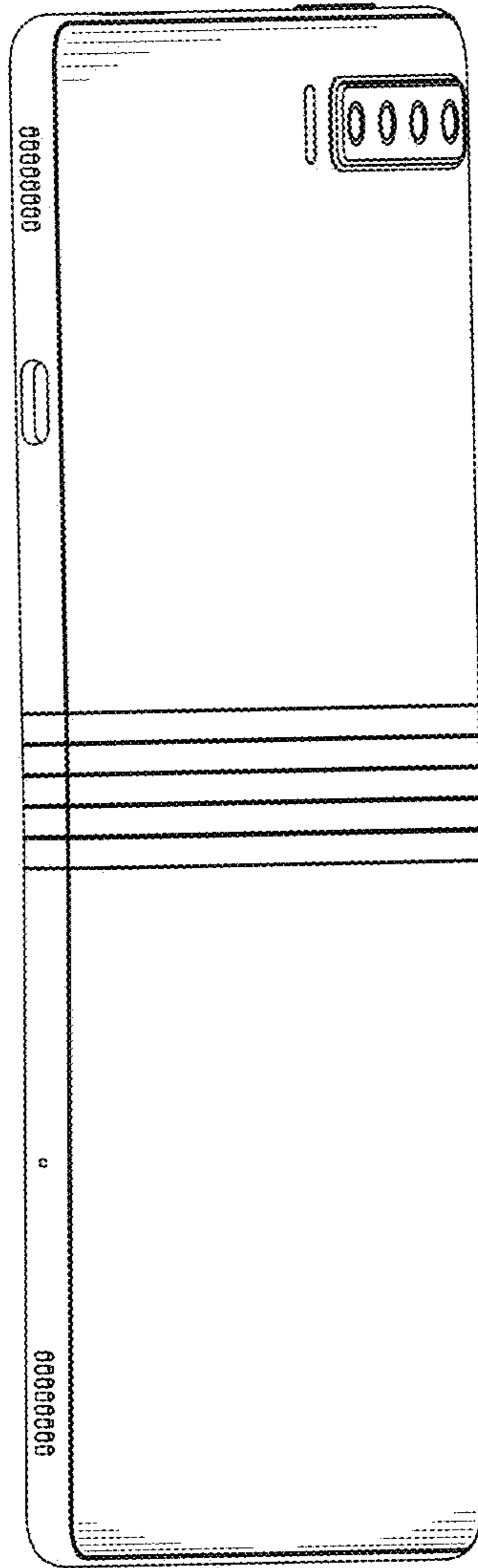


FIG. 2

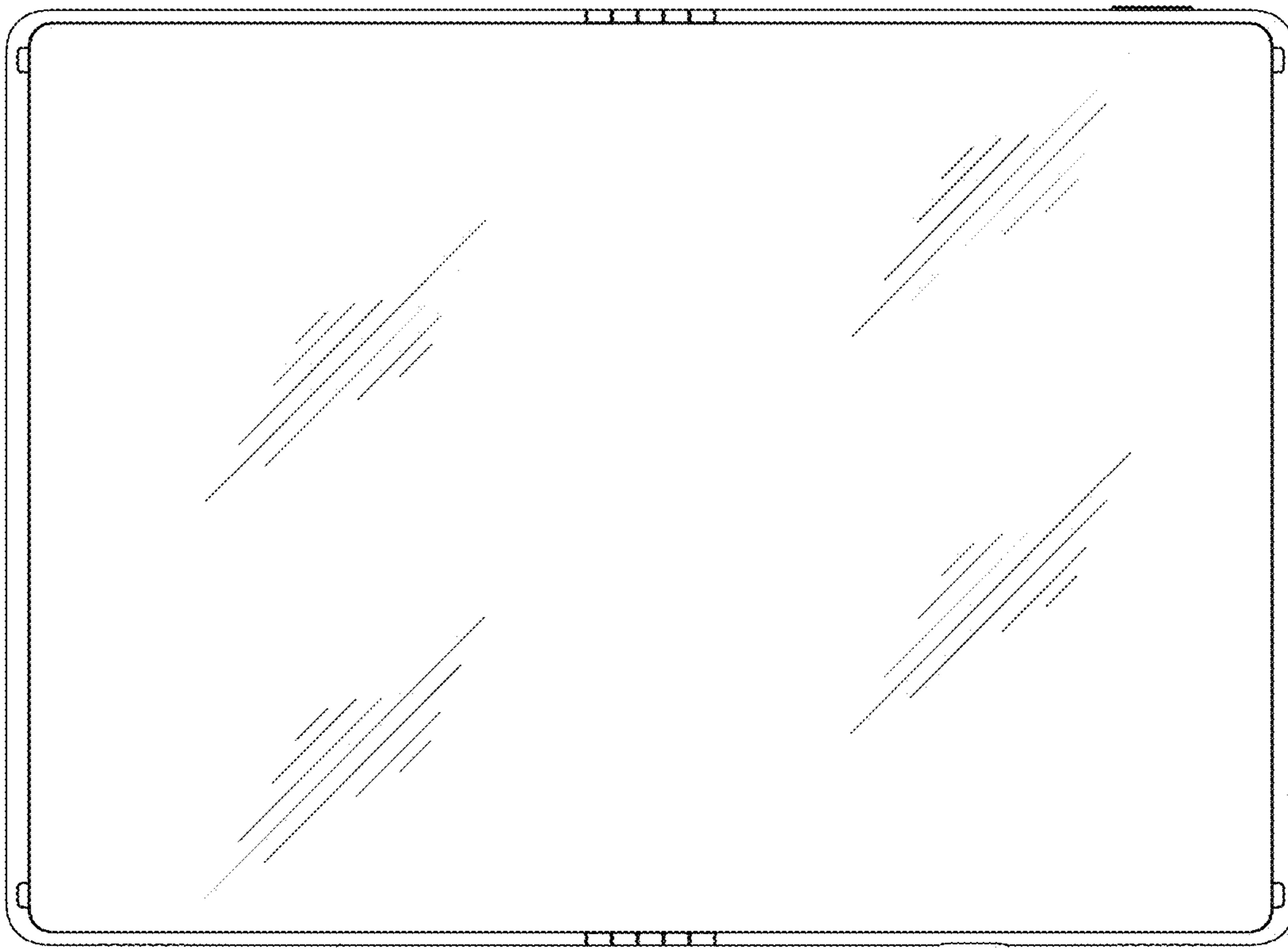


FIG. 3

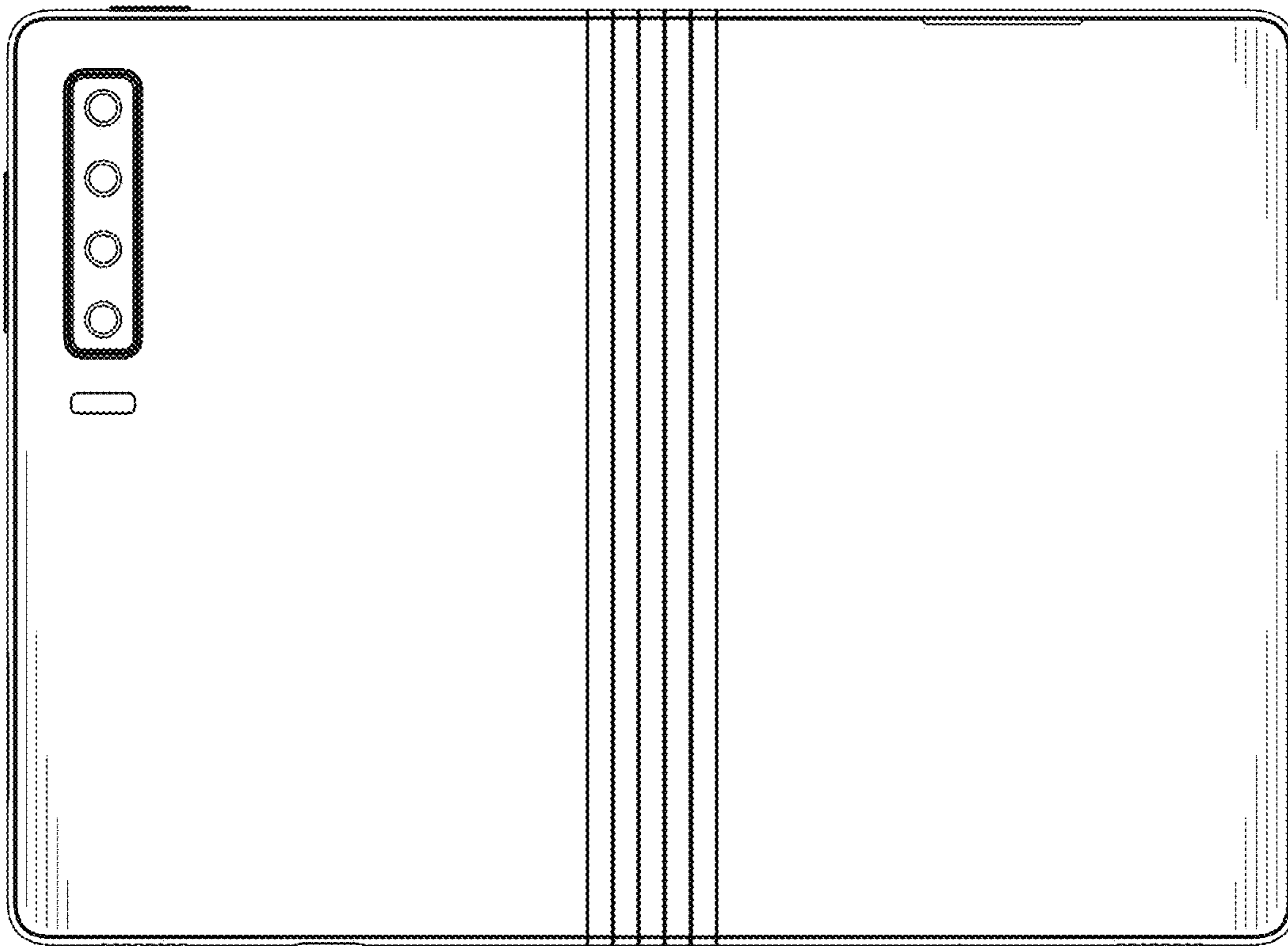


FIG. 4



FIG. 5

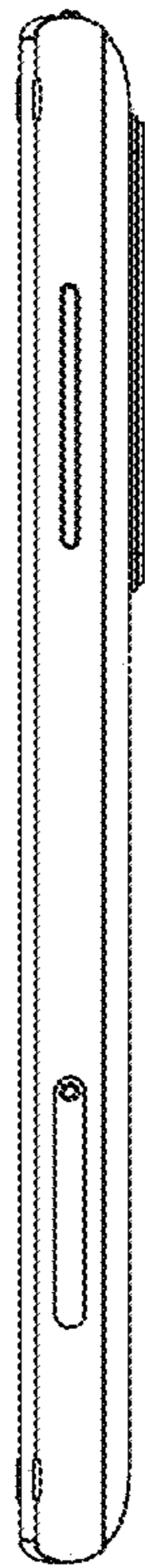


FIG. 6



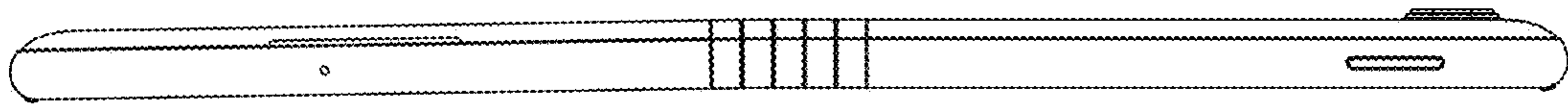


FIG. 7



FIG. 8

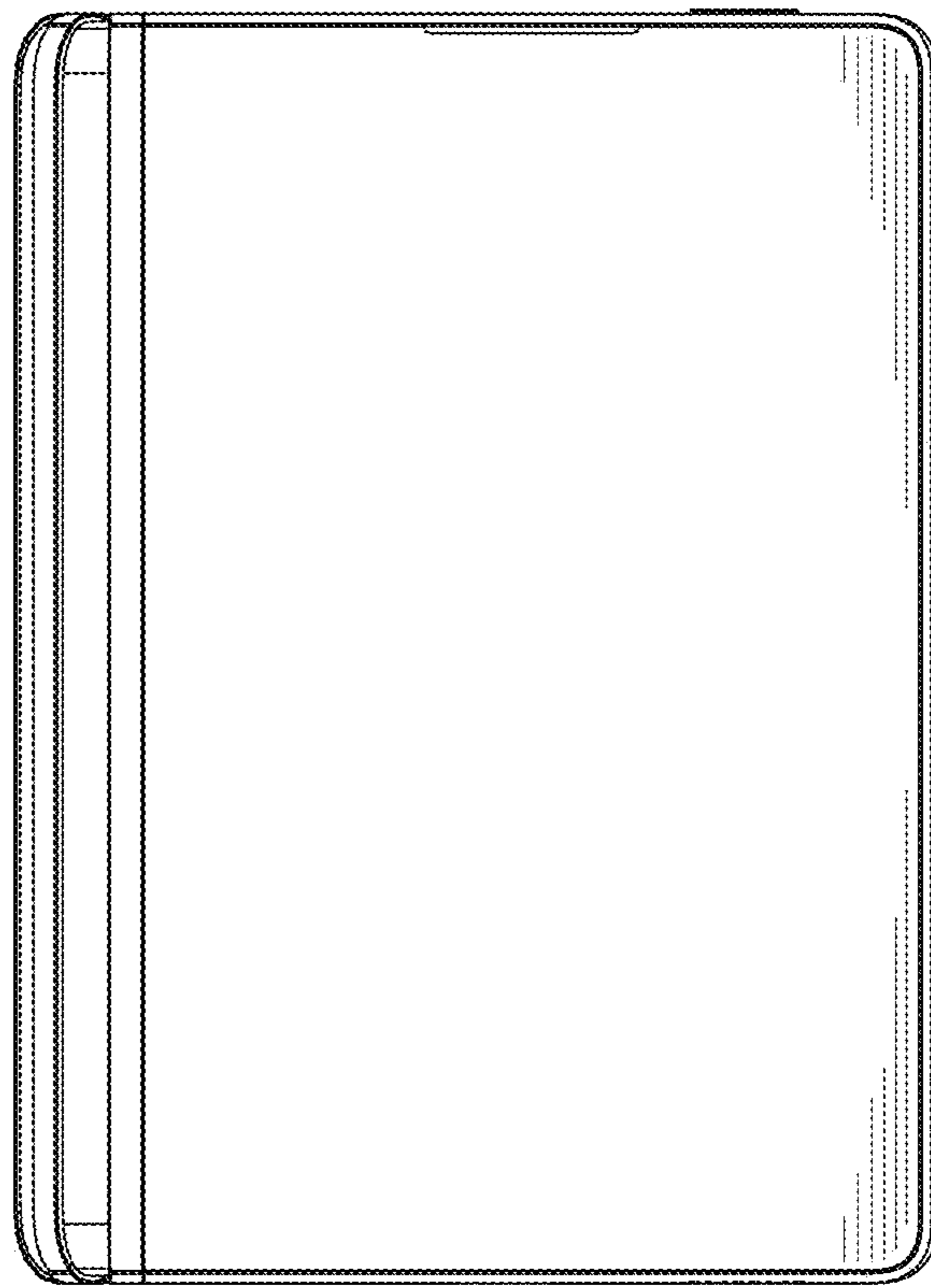


FIG. 9

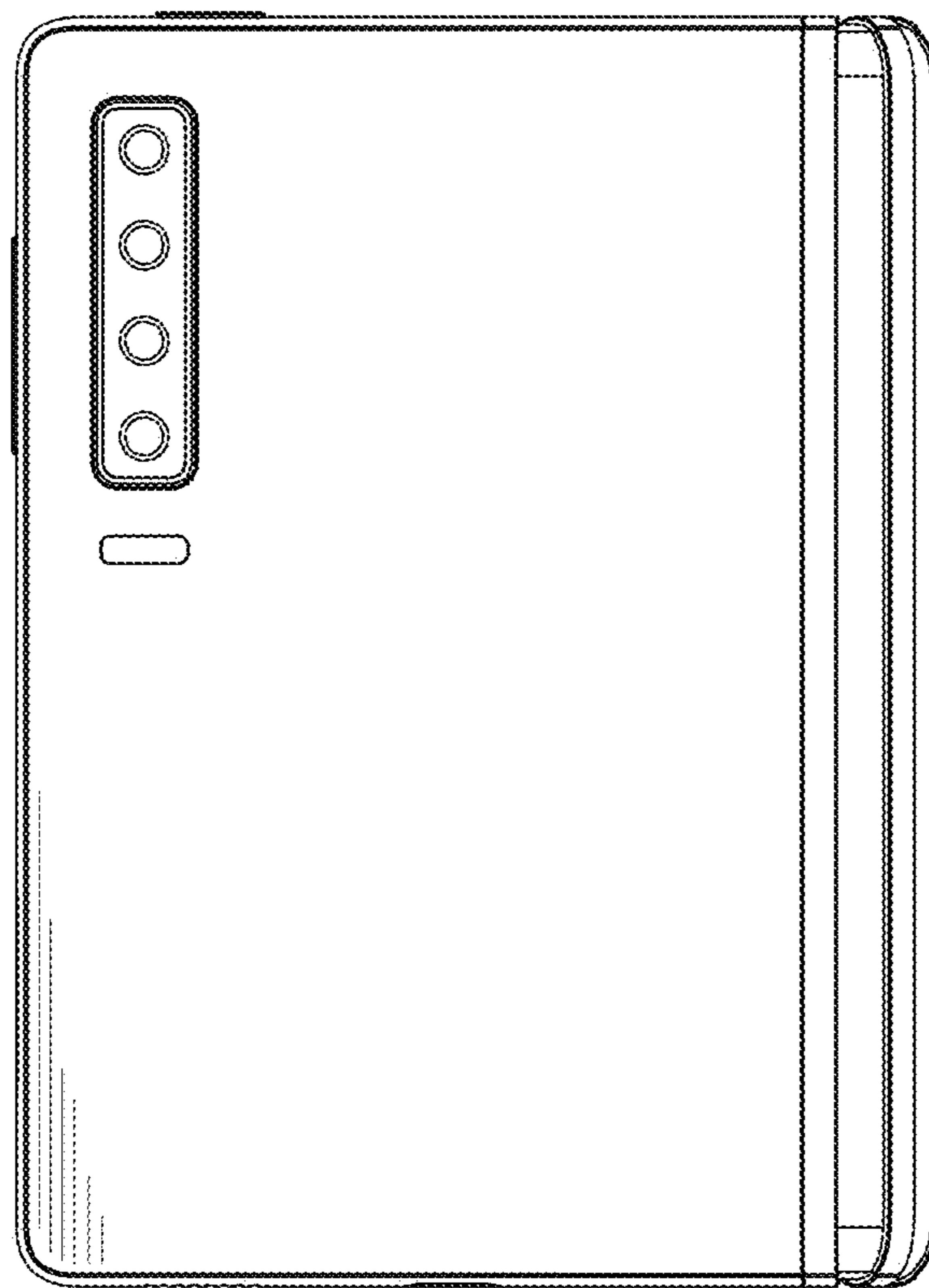


FIG. 10

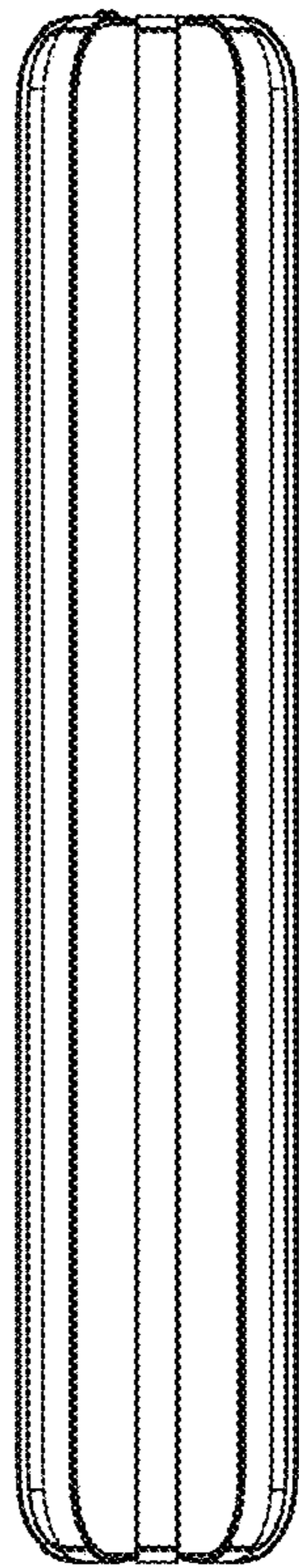


FIG. 11

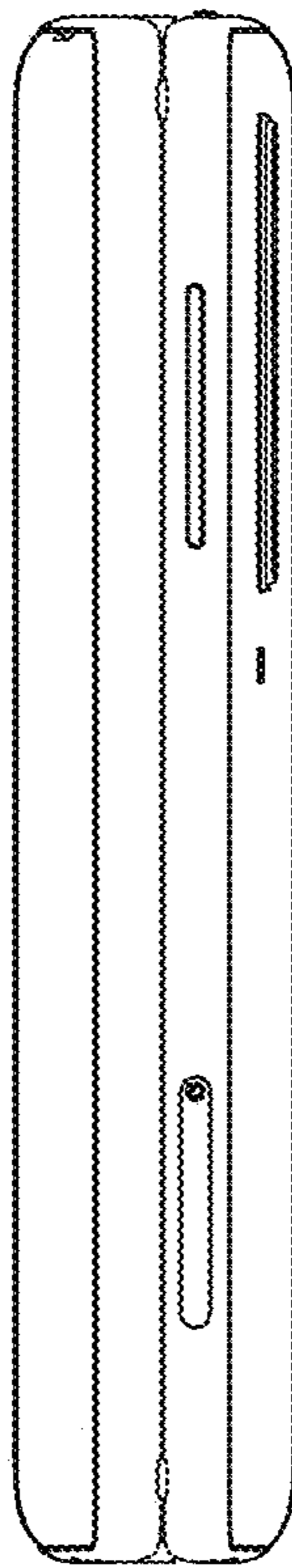


FIG. 12

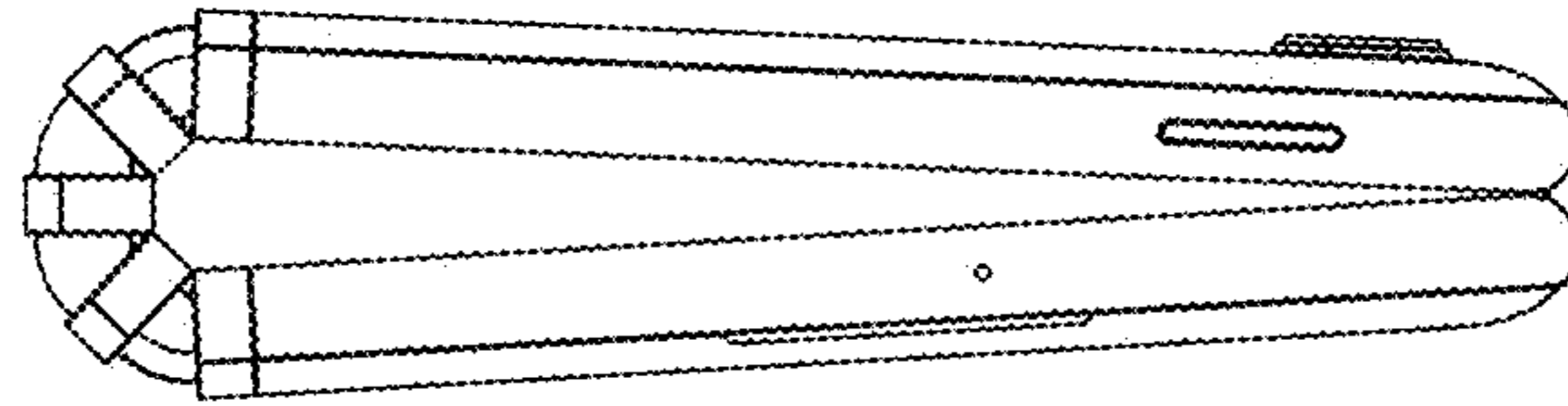


FIG. 13

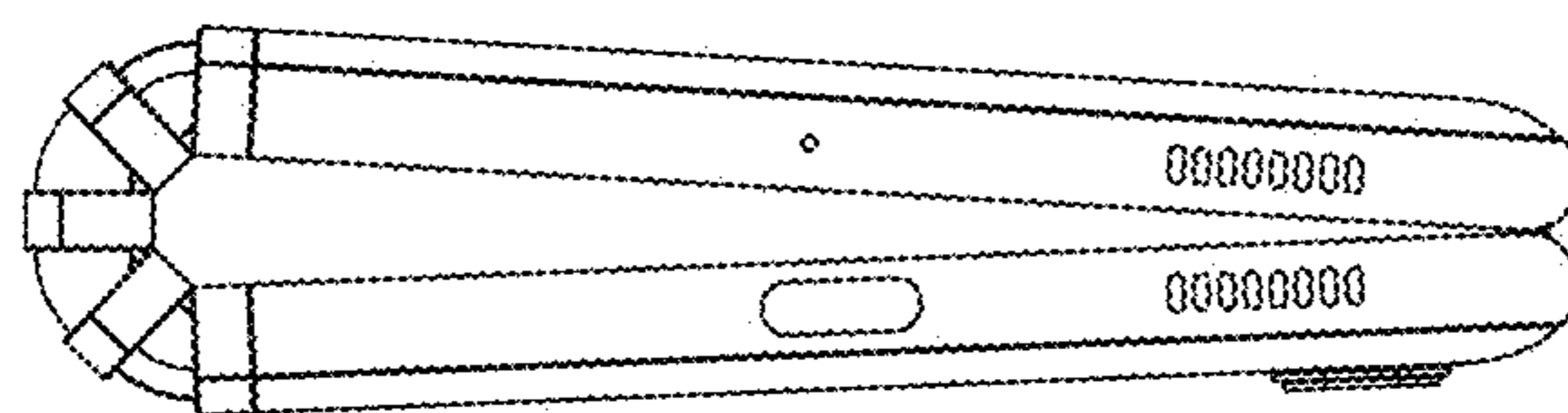


FIG. 14

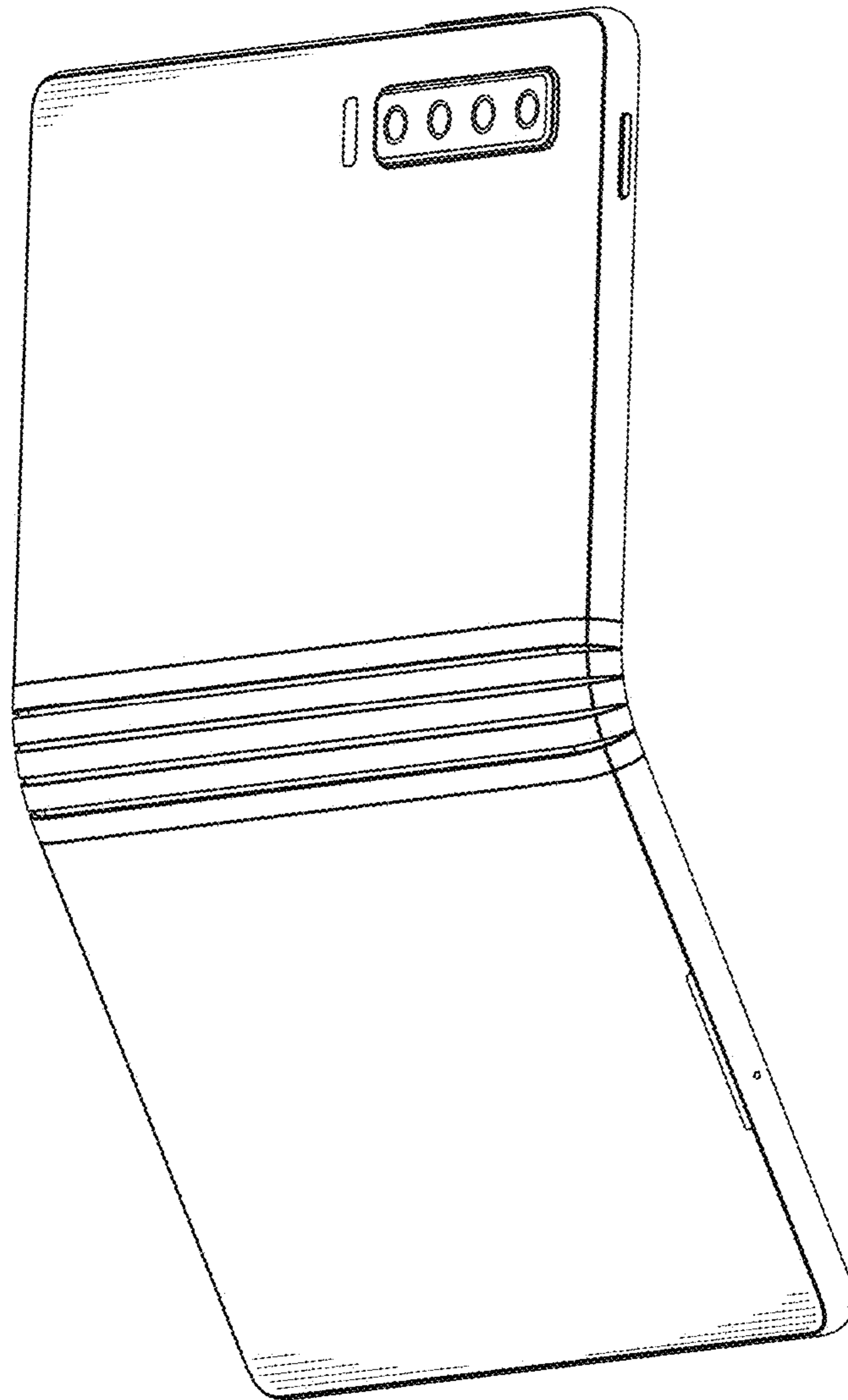


FIG. 15

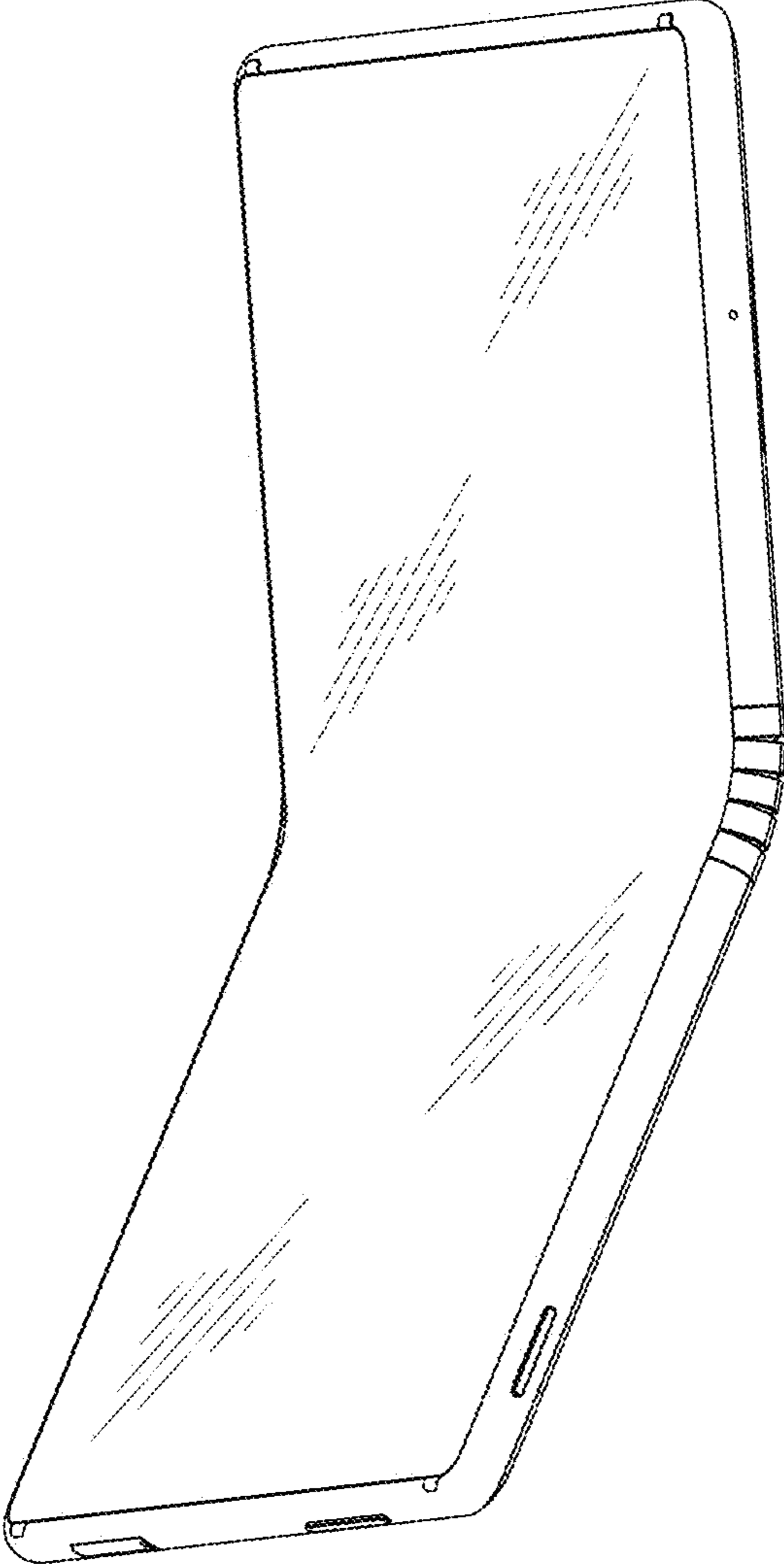


FIG. 16