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

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(45) **Date of Patent:** **\*\* \*Sep. 17, 2019**

(54) **MOBILE PHONE**

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Seoul (KR)

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**LTD.**, Suwon-si (KR)

(\*) Notice: This patent is subject to a terminal dis-  
claimer.

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

(21) Appl. No.: **29/623,857**

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

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

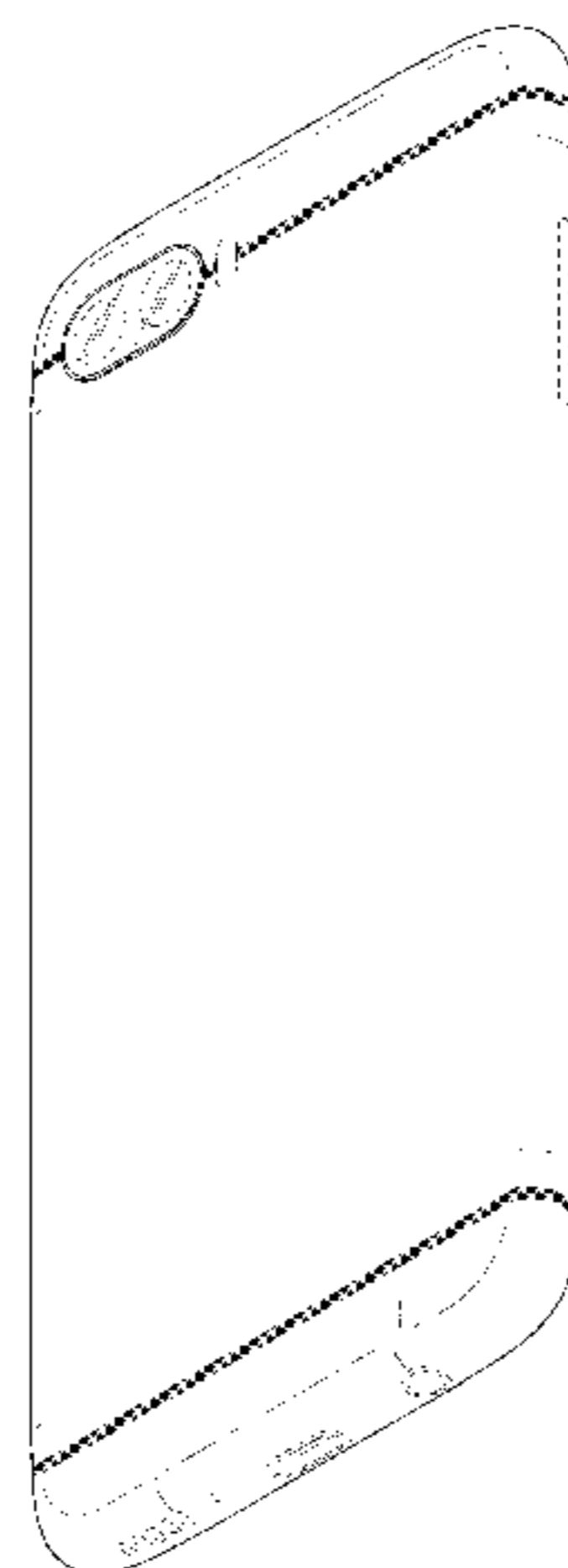
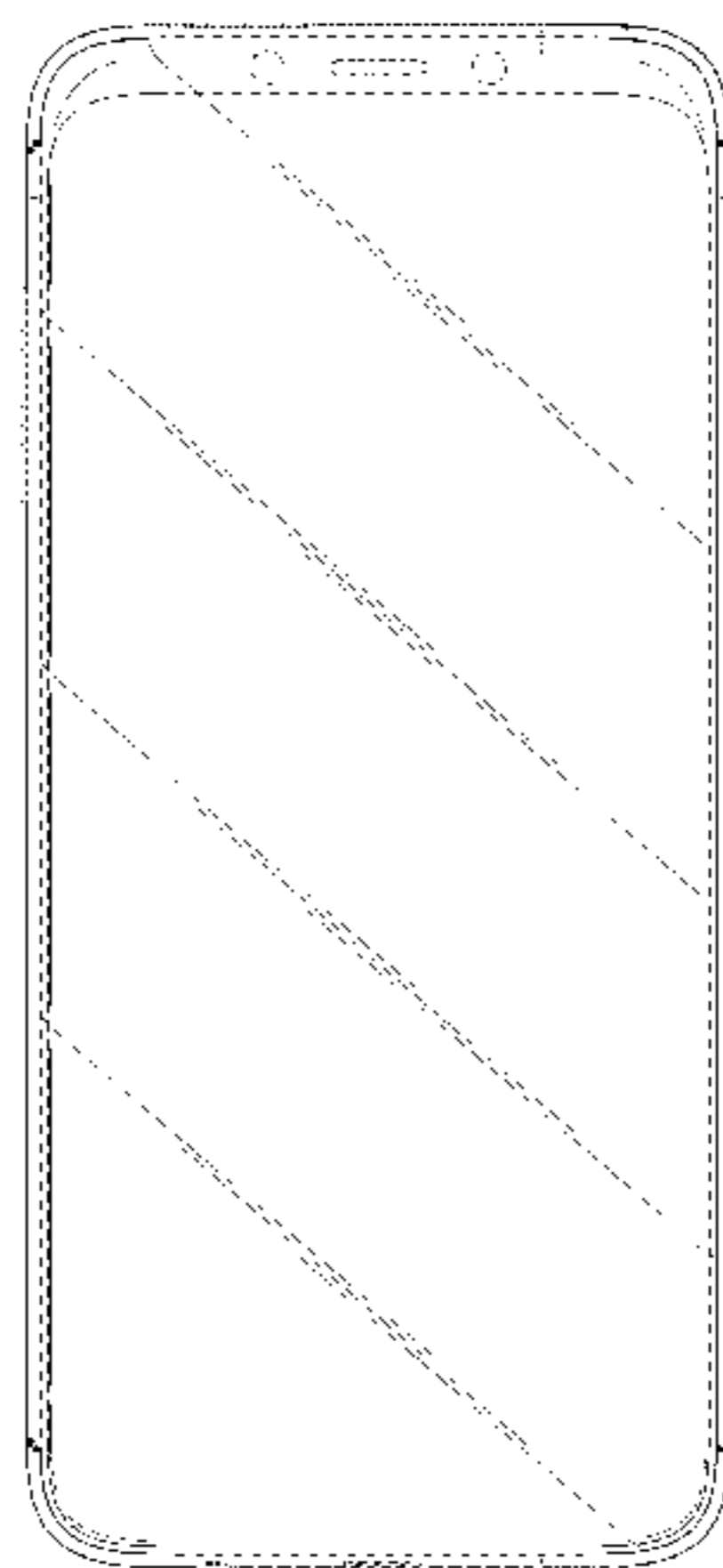
(58) **Field of Classification Search**  
USPC ..... D14/138 G, 138 AD, 341, 138 R, 496,  
D14/203.1, 203.3, 203.5, 203.7, 248;  
455/575.1, 556.2; D21/517, 329;  
361/679.3, 679.56  
CPC . G06F 1/1626; H04M 1/0266; H04M 1/0202;  
H04M 1/026  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D568,285 S \* 5/2008 Lee ..... D14/138 G  
D609,680 S \* 2/2010 Kim ..... D14/138 AD

D616,852 S \* 6/2010 Kim ..... D14/138 AD  
D622,246 S \* 8/2010 Lee ..... D14/138 AD  
D677,640 S \* 3/2013 Kim ..... D14/138 G  
8,976,523 B2 \* 3/2015 Song ..... H05K 5/0239  
361/679.56  
D752,036 S \* 3/2016 Ho ..... D14/341  
D783,602 S \* 4/2017 Akana ..... D14/341  
D788,726 S \* 6/2017 Lee ..... D14/138 AB  
D788,735 S \* 6/2017 Daniel ..... D14/138 G  
D790,535 S \* 6/2017 Akana ..... D14/341  
D794,594 S \* 8/2017 Seo ..... D14/138 G  
D796,469 S \* 9/2017 Jin ..... D14/138 G  
D797,071 S \* 9/2017 Seo ..... D14/138 G  
D800,716 S \* 10/2017 Akana ..... D14/341  
D801,322 S \* 10/2017 Song ..... D14/248  
D803,209 S \* 11/2017 Akana ..... D14/341  
D806,705 S \* 1/2018 Akana ..... D14/341  
D810,726 S \* 2/2018 Chou ..... D14/248  
D816,055 S \* 4/2018 Song ..... D14/138  
D817,912 S \* 5/2018 Choi ..... D14/138 G  
D820,831 S \* 6/2018 Kim ..... D14/341  
D820,833 S \* 6/2018 Kim ..... D14/341  
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D821,376 S \* 6/2018 Kim ..... D14/248  
D824,874 S \* 8/2018 You ..... D14/138 G  
D825,516 S \* 8/2018 Li ..... D14/138 G  
D827,637 S \* 9/2018 Kim ..... D14/341  
D828,828 S \* 9/2018 Kim ..... D14/248  
D832,835 S \* 11/2018 Akana ..... D14/341  
D833,407 S \* 11/2018 Kim ..... D14/138 G  
D834,553 S \* 11/2018 Depape ..... D14/138 G  
D835,597 S \* 12/2018 Lee ..... G03B 29/00  
D14/138 G  
D837,177 S \* 1/2019 Cui ..... D14/138 G  
2014/0284096 A1 \* 9/2014 Wu ..... H05K 5/04  
174/520  
2015/0378557 A1 \* 12/2015 Jeong ..... G06F 3/0488  
715/835  
2017/0133746 A1 \* 5/2017 Hahn ..... H01Q 1/243  
2017/0289324 A1 \* 10/2017 Yeo ..... G03B 29/00  
2018/0070465 A1 \* 3/2018 Cater ..... G06F 1/1626  
2018/0098448 A1 \* 4/2018 Baek ..... H05K 5/0217  
2018/0176348 A1 \* 6/2018 Bao ..... H04B 1/3827  
2018/0177082 A1 \* 6/2018 Wei ..... H04N 5/2253  
2018/0183151 A1 \* 6/2018 Zhao ..... H01Q 13/10  
2018/0183910 A1 \* 6/2018 Wu ..... H01Q 5/50  
2018/0247582 A1 \* 8/2018 Park ..... G02F 1/133308  
2018/0361705 A1 \* 12/2018 Zeng ..... B32B 7/12  
2018/0366685 A1 \* 12/2018 Park ..... H01L 51/5284





FOREIGN PATENT DOCUMENTS

|    |           |   |         |
|----|-----------|---|---------|
| CN | 303596714 | * | 2/2016  |
| CN | 303932034 | * | 11/2016 |
| CN | 303959419 | * | 12/2016 |
| CN | 304014256 | * | 1/2017  |
| CN | 304095747 | * | 4/2017  |
| CN | 304095938 | * | 4/2017  |
| CN | 304104348 | * | 4/2017  |
| CN | 304104370 | * | 4/2017  |

OTHER PUBLICATIONS

2018 Samsung Galaxy Note 9 Rendered by Benjamin Geskin, by Kelvin, posted Aug. 3, 2017, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: <https://www.concept-phones.com/samsung/2018-samsung-galaxy-note-9-rendered-benjamin-geskin/>>.\*

Samsung Galaxy S9 Has Just Been Rendered . . . , by Kelvin, posted Apr. 4, 2017, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: <https://www.concept-phones.com/samsung/samsung-galaxy-s9-rendered-3-edge-infinity-display-supercapacitor-battery/>>.\*

Oppo R9s, released Oct. 2016, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: [https://www.gsmarena.com/oppo\\_r9s-pictures-8386.php](https://www.gsmarena.com/oppo_r9s-pictures-8386.php)>.\*

Samsung Galaxy A6s, released Nov. 2018, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: [https://www.gsmarena.com/samsung\\_galaxy\\_a6s-pictures-9352.php](https://www.gsmarena.com/samsung_galaxy_a6s-pictures-9352.php)>.\*

Wiko Sunny Max, released 2016, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: [https://www.gsmarena.com/wiko\\_sunny\\_max-pictures-9027.php](https://www.gsmarena.com/wiko_sunny_max-pictures-9027.php)>.\*

Xiaomi Mi Mix 2, released Sep. 2017, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: [https://www.gsmarena.com/xiaomi\\_mi\\_mix\\_2-pictures-8529.php](https://www.gsmarena.com/xiaomi_mi_mix_2-pictures-8529.php)>.\*

Wiko Lenny3, released May 2016, [online], [site visited Feb. 18, 2019]. Available from Internet, <URL: [https://www.gsmarena.com/wiko\\_lenny3-pictures-8200.php](https://www.gsmarena.com/wiko_lenny3-pictures-8200.php)>.\*

\* cited by examiner

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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 a mobile phone showing our new design according to a first embodiment;  
 FIG. 2 is a front elevation view thereof;  
 FIG. 3 is a rear elevation view thereof;  
 FIG. 4 is a left side elevation view thereof;  
 FIG. 5 is a right side elevation view thereof;  
 FIG. 6 is a top plan view thereof;  
 FIG. 7 is a bottom plan view thereof;  
 FIG. 8 is a rear perspective view thereof;  
 FIG. 9 is a front perspective view of a mobile phone showing our new design according to a second embodiment;  
 FIG. 10 is a front elevation view thereof;  
 FIG. 11 is a rear elevation view thereof;  
 FIG. 12 is a left side elevation view thereof;  
 FIG. 13 is a right side elevation view thereof;  
 FIG. 14 is a top plan view thereof;  
 FIG. 15 is a bottom plan view thereof;  
 FIG. 16 is a rear perspective view thereof;

FIG. 17 is a front perspective view of a mobile phone showing our new design according to a third embodiment;  
 FIG. 18 is a front elevation view thereof;  
 FIG. 19 is a rear elevation view thereof;  
 FIG. 20 is a left side elevation view thereof;  
 FIG. 21 is a right side elevation view thereof;  
 FIG. 22 is a top plan view thereof;  
 FIG. 23 is a bottom plan view thereof;  
 FIG. 24 is a rear perspective view thereof;  
 FIG. 25 is a front perspective view of a mobile phone showing our new design according to a fourth embodiment;  
 FIG. 26 is a front elevation view thereof;  
 FIG. 27 is a rear elevation view thereof;  
 FIG. 28 is a left side elevation view thereof;  
 FIG. 29 is a right side elevation view thereof;  
 FIG. 30 is a top plan view thereof;  
 FIG. 31 is a bottom plan view thereof;  
 FIG. 32 is a rear perspective view thereof;  
 FIG. 33 is a front perspective view of a mobile phone showing our new design according to a fifth embodiment;  
 FIG. 34 is a front elevation view thereof;  
 FIG. 35 is a rear elevation view thereof;  
 FIG. 36 is a left side elevation view thereof;  
 FIG. 37 is a right side elevation view thereof;  
 FIG. 38 is a top plan view thereof;  
 FIG. 39 is a bottom plan view thereof;  
 FIG. 40 is a rear perspective view thereof;  
 FIG. 41 is a front perspective view of a mobile phone showing our new design according to a sixth embodiment;  
 FIG. 42 is a front elevation view thereof;  
 FIG. 43 is a rear elevation view thereof;  
 FIG. 44 is a left side elevation view thereof;  
 FIG. 45 is a right side elevation view thereof;  
 FIG. 46 is a top plan view thereof;  
 FIG. 47 is a bottom plan view thereof;  
 FIG. 48 is a rear perspective view thereof;  
 FIG. 49 is a front perspective view of a mobile phone showing our new design according to a seventh embodiment;  
 FIG. 50 is a front elevation view thereof;  
 FIG. 51 is a rear elevation view thereof;  
 FIG. 52 is a left side elevation view thereof;  
 FIG. 53 is a right side elevation view thereof;  
 FIG. 54 is a top plan view thereof;  
 FIG. 55 is a bottom plan view thereof;  
 FIG. 56 is a rear perspective view thereof;  
 FIG. 57 is a front perspective view of a mobile phone showing our new design according to an eighth embodiment;  
 FIG. 58 is a front elevation view thereof;  
 FIG. 59 is a rear elevation view thereof;  
 FIG. 60 is a left side elevation view thereof;  
 FIG. 61 is a right side elevation view thereof;  
 FIG. 62 is a top plan view thereof;  
 FIG. 63 is a bottom plan view thereof;  
 FIG. 64 is a rear perspective view thereof;  
 FIG. 65 is a front perspective view of a mobile phone showing our new design according to a ninth embodiment;  
 FIG. 66 is a front elevation view thereof;  
 FIG. 67 is a rear elevation view thereof;  
 FIG. 68 is a left side elevation view thereof;  
 FIG. 69 is a right side elevation view thereof;  
 FIG. 70 is a top plan view thereof;  
 FIG. 71 is a bottom plan view thereof; and,  
 FIG. 72 is a rear perspective view thereof.

The dashed broken lines in the drawings illustrate portions of the mobile phone that form no part of the claimed design.

**1 Claim, 54 Drawing Sheets**

FIG. 1

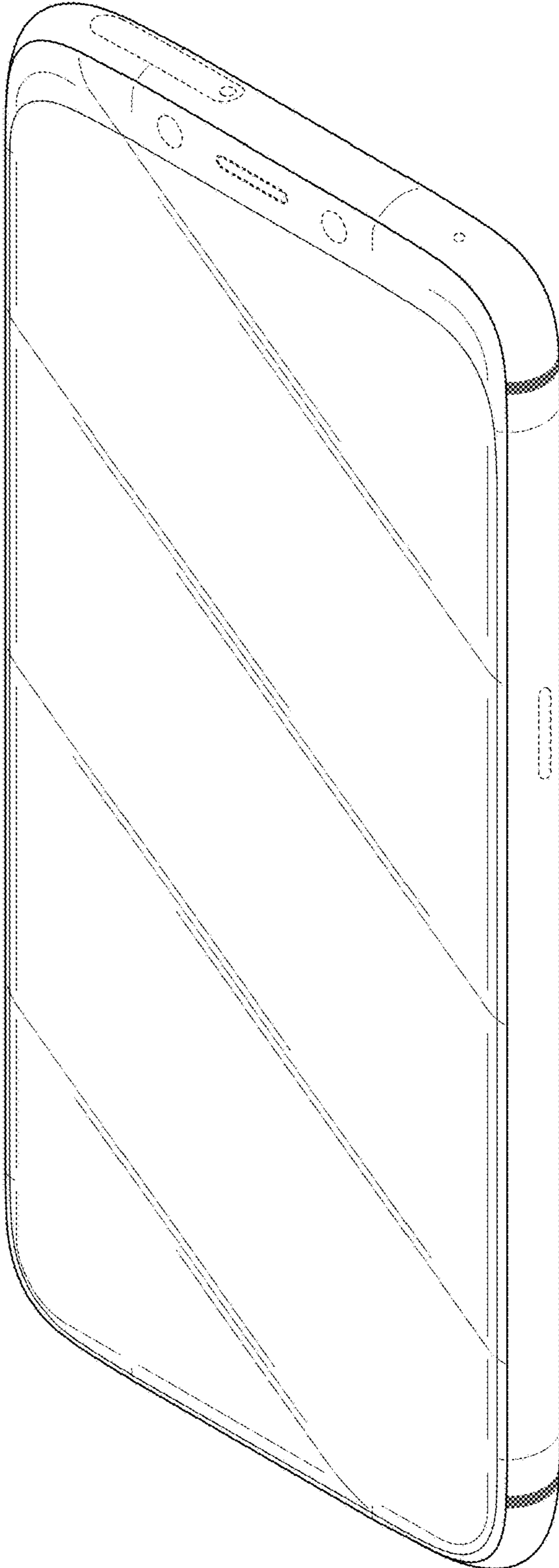


FIG. 2

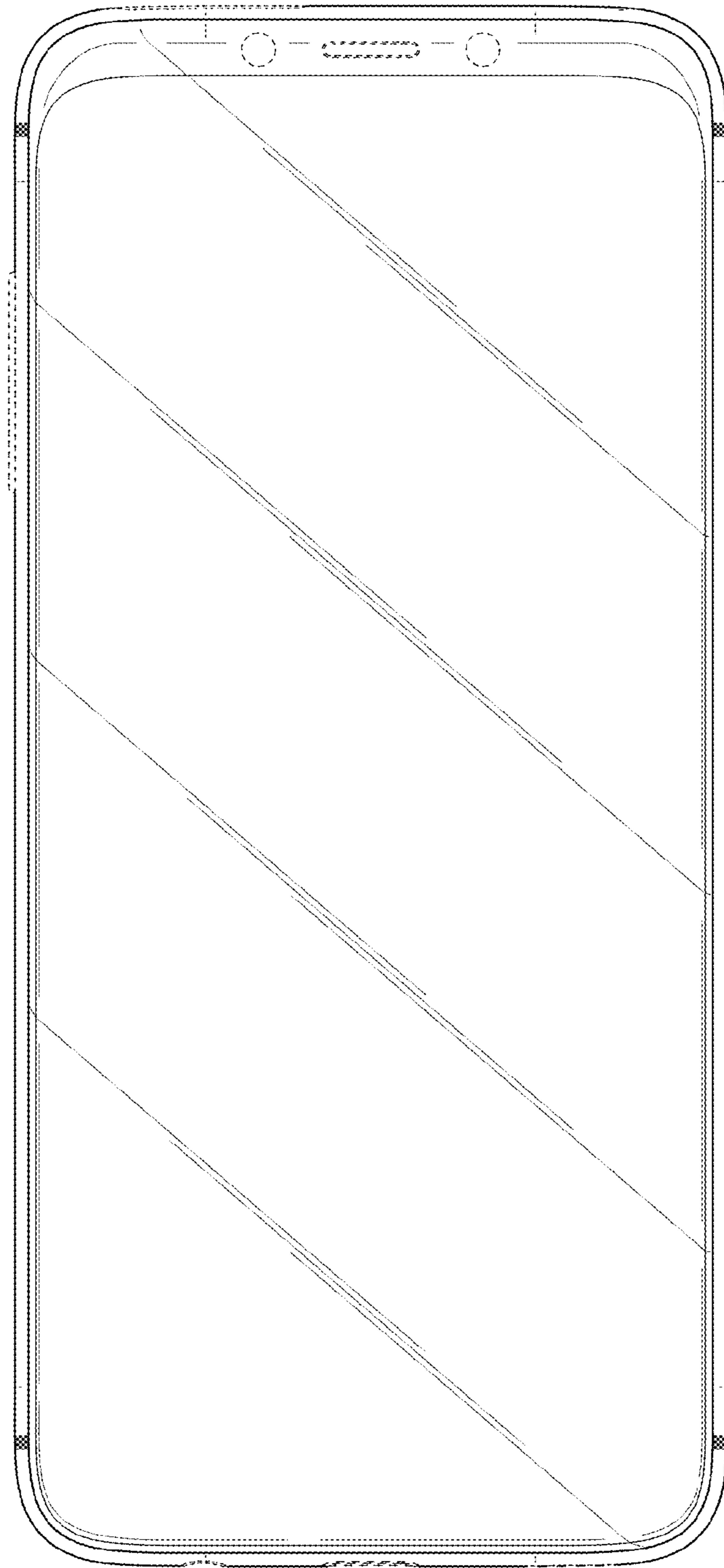




FIG. 3

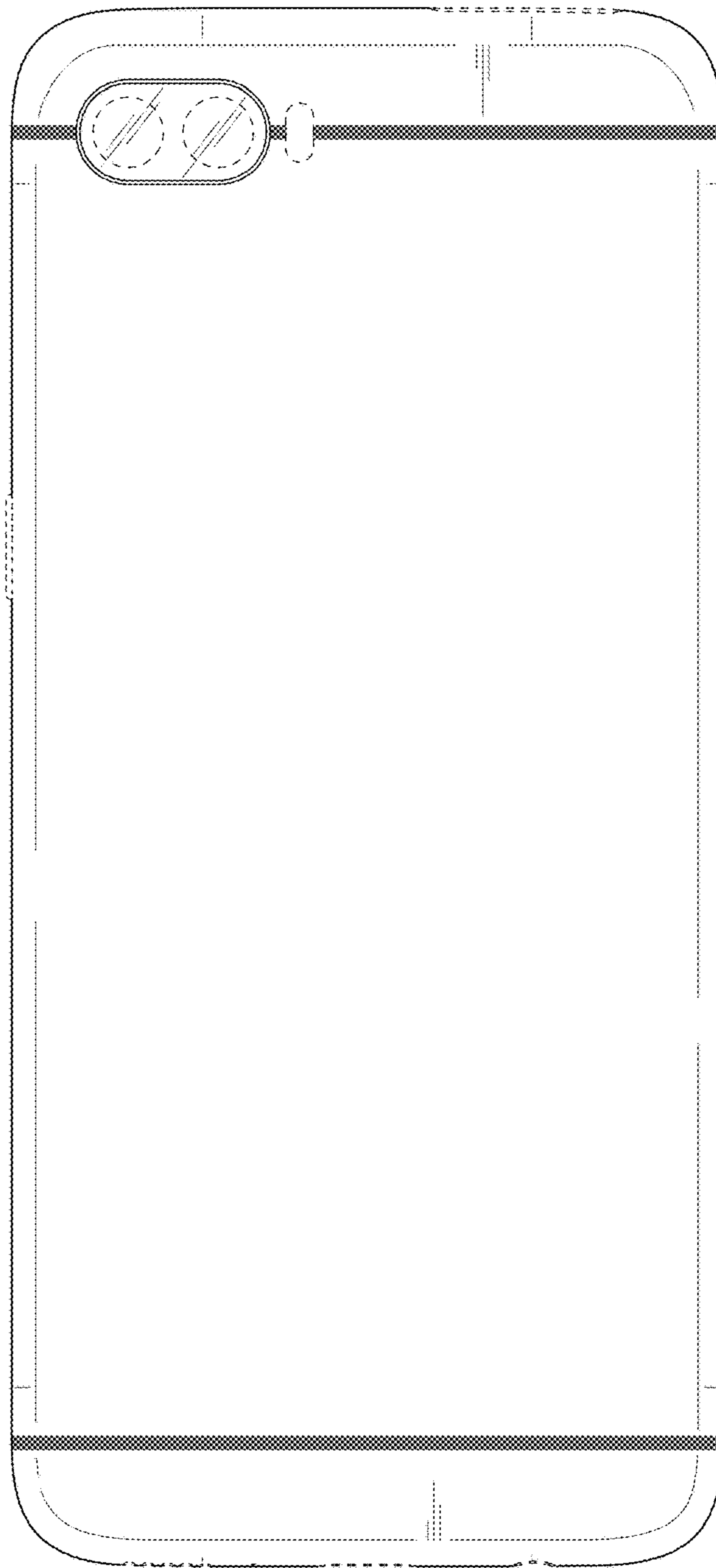


FIG. 4

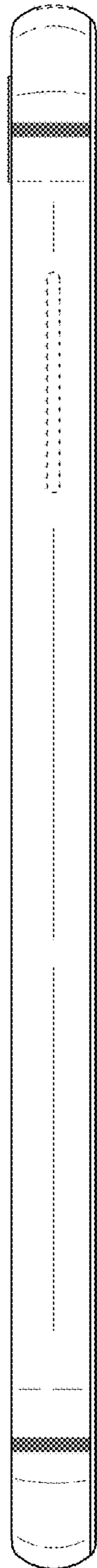


FIG. 5



FIG. 6

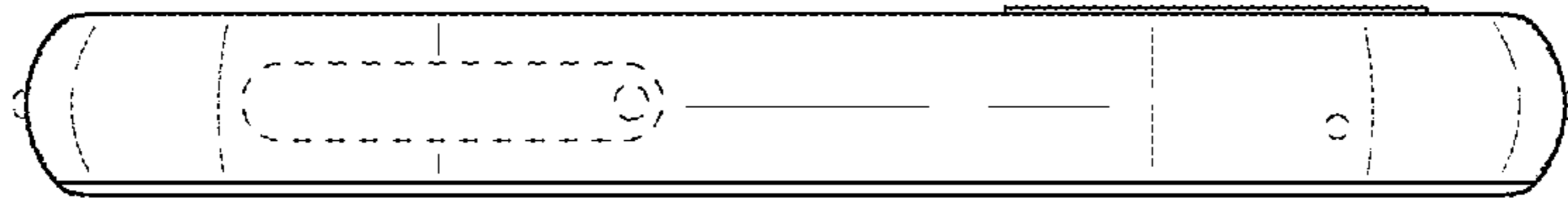


FIG. 7

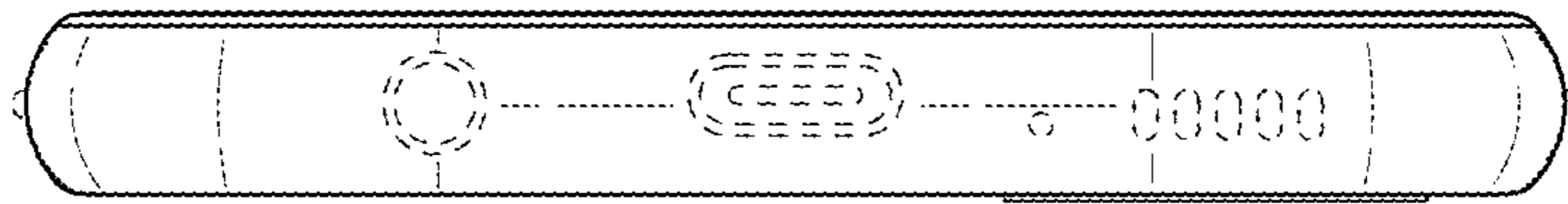




FIG. 8

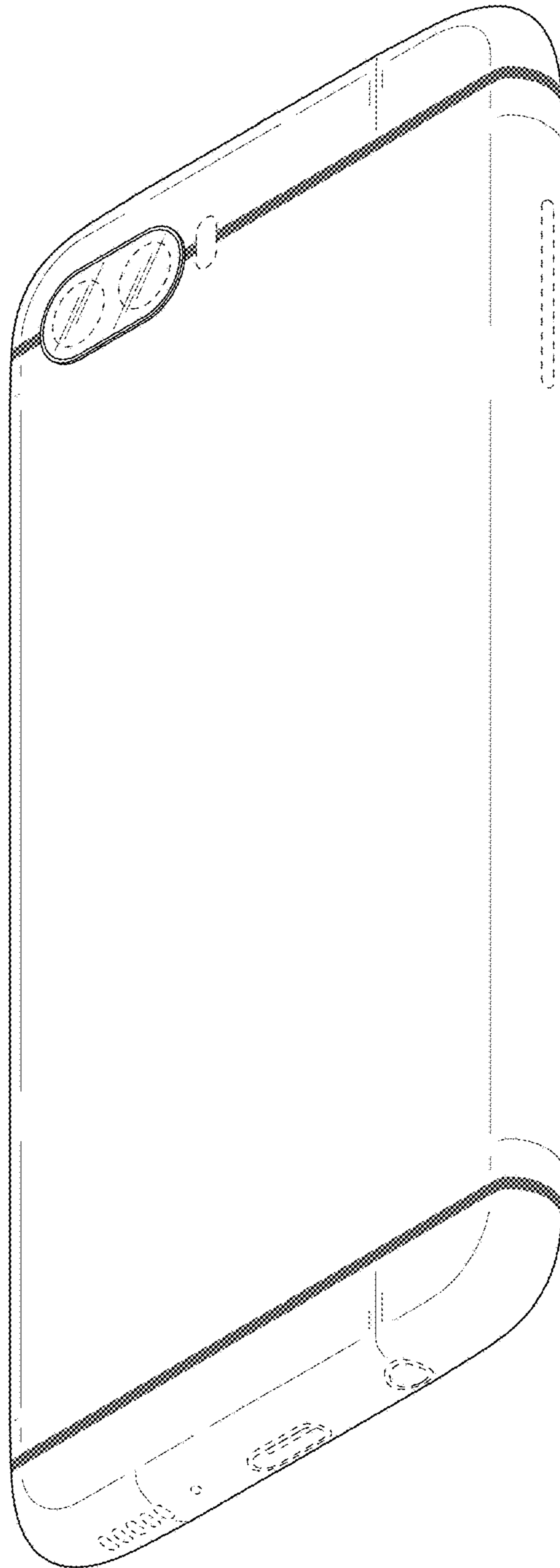


FIG. 9

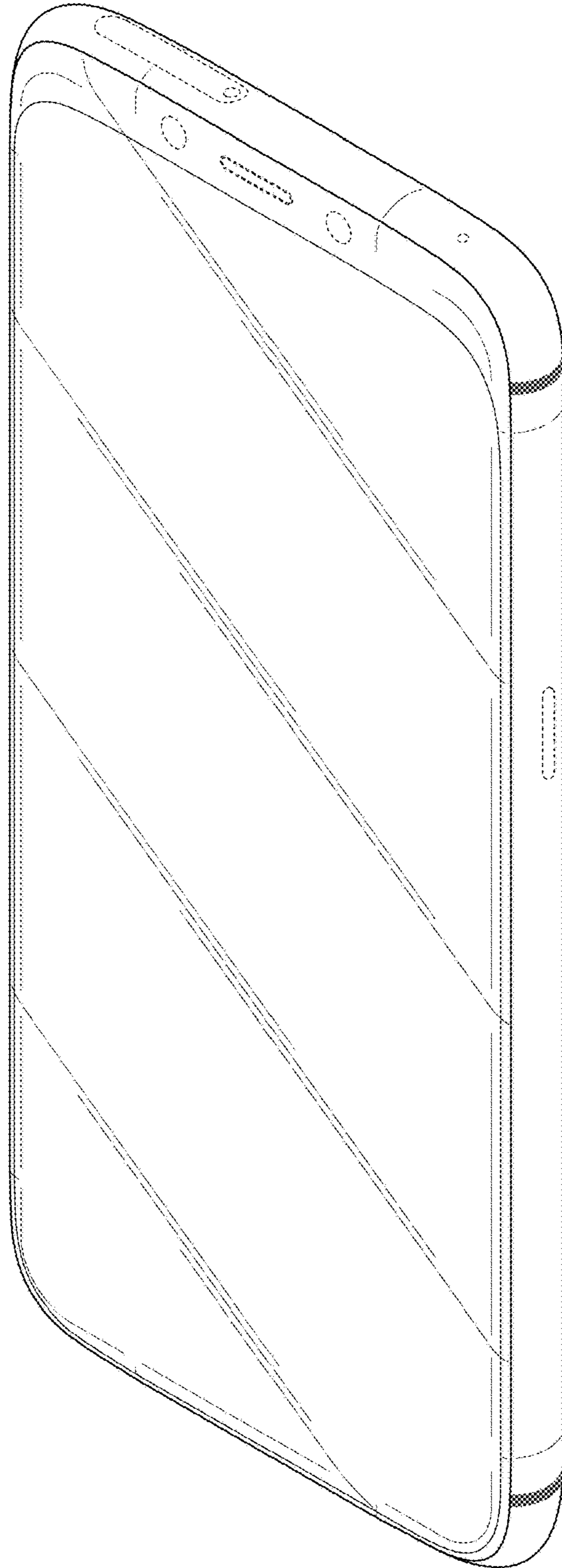


FIG. 10

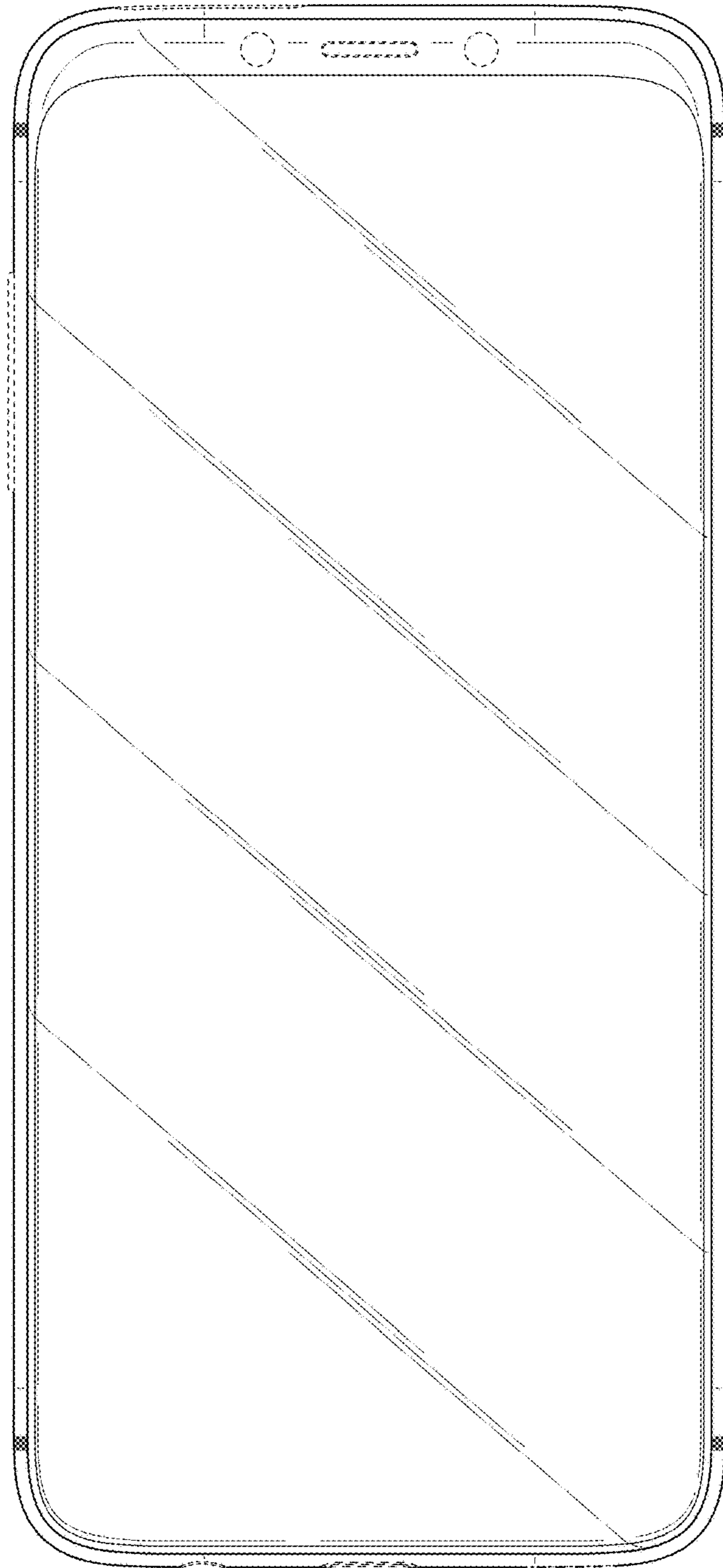


FIG. 11

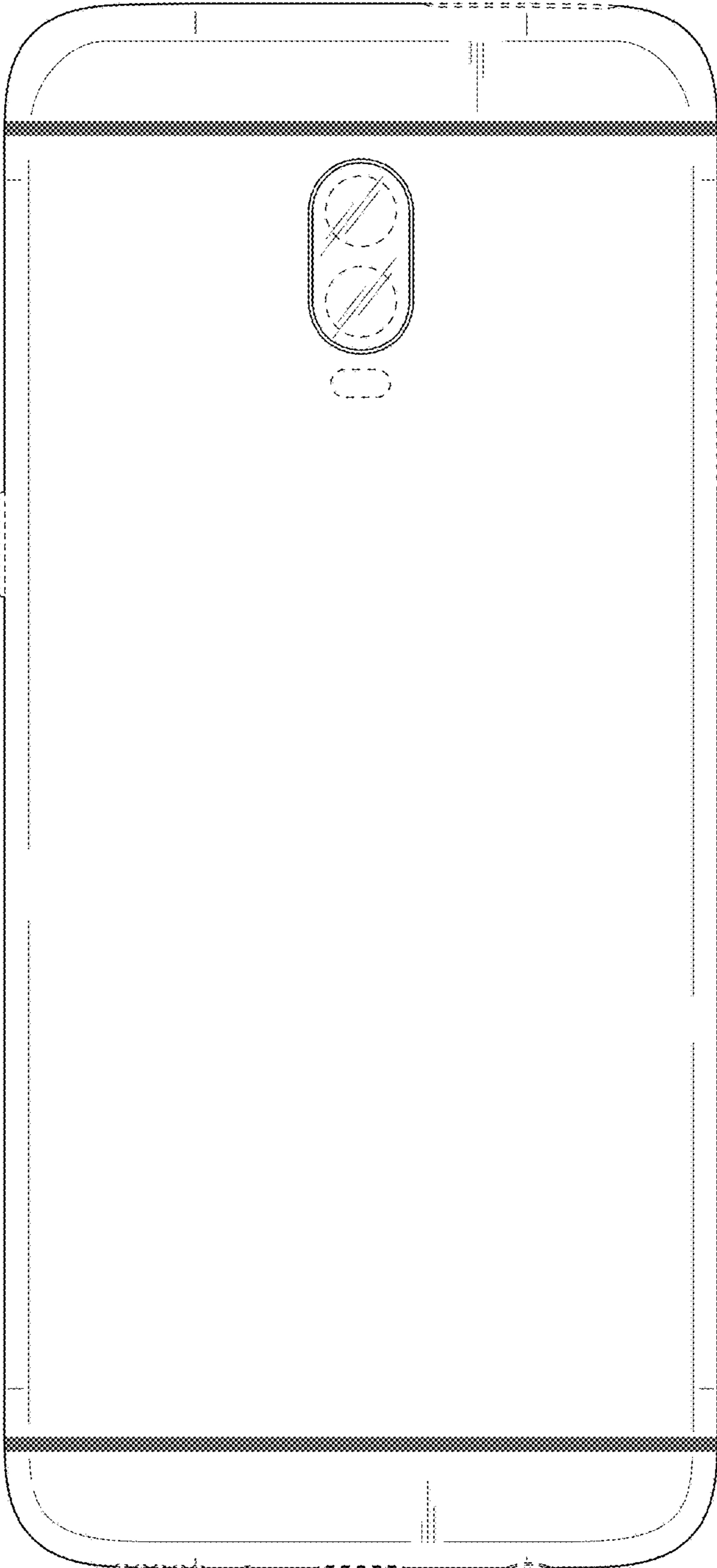




FIG. 12

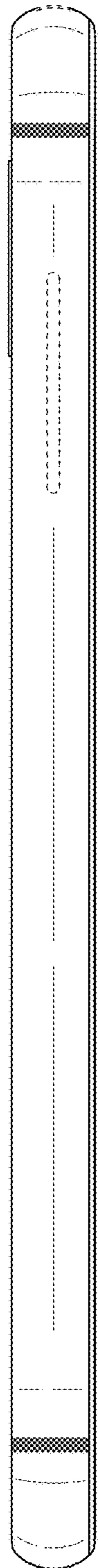


FIG. 13

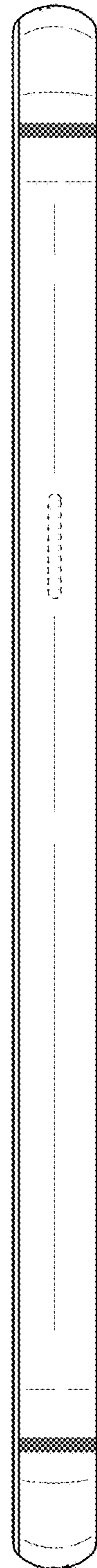


FIG. 14

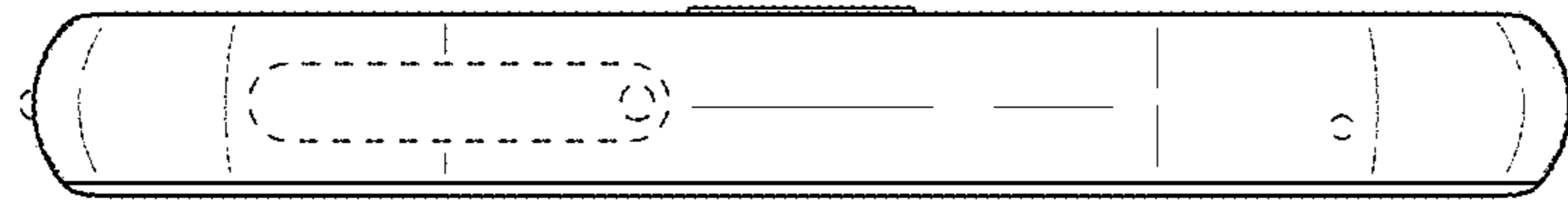


FIG. 15



FIG. 16

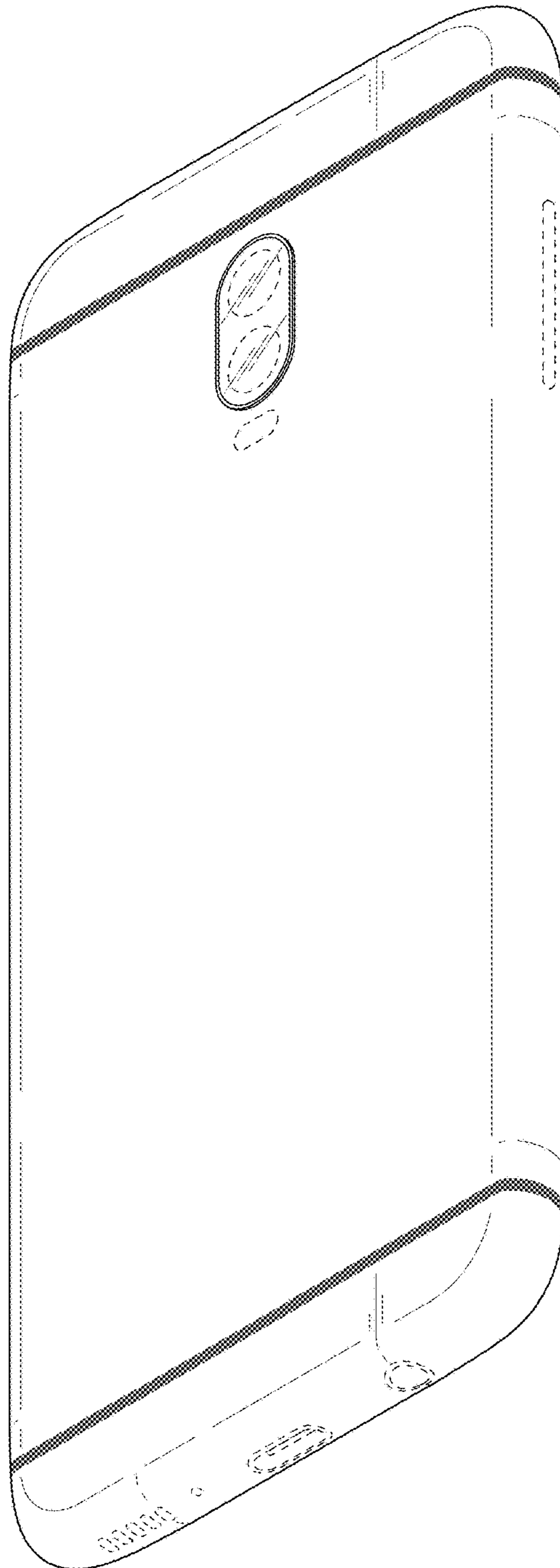


FIG. 17

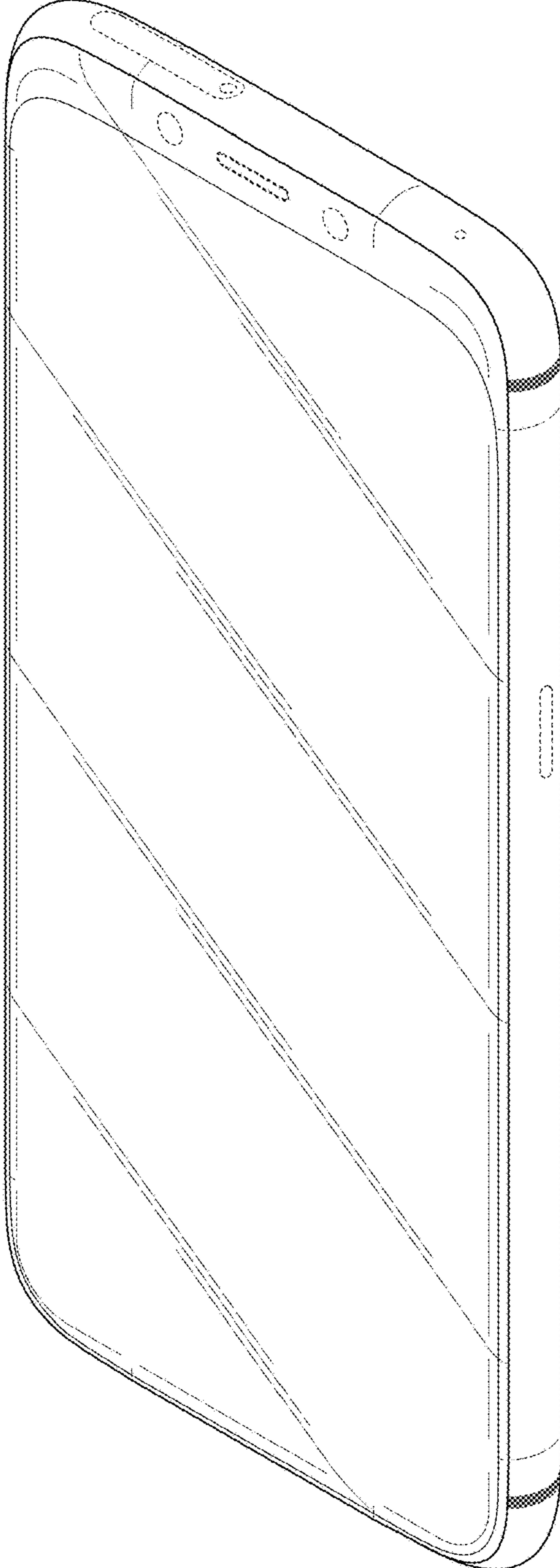




FIG. 18

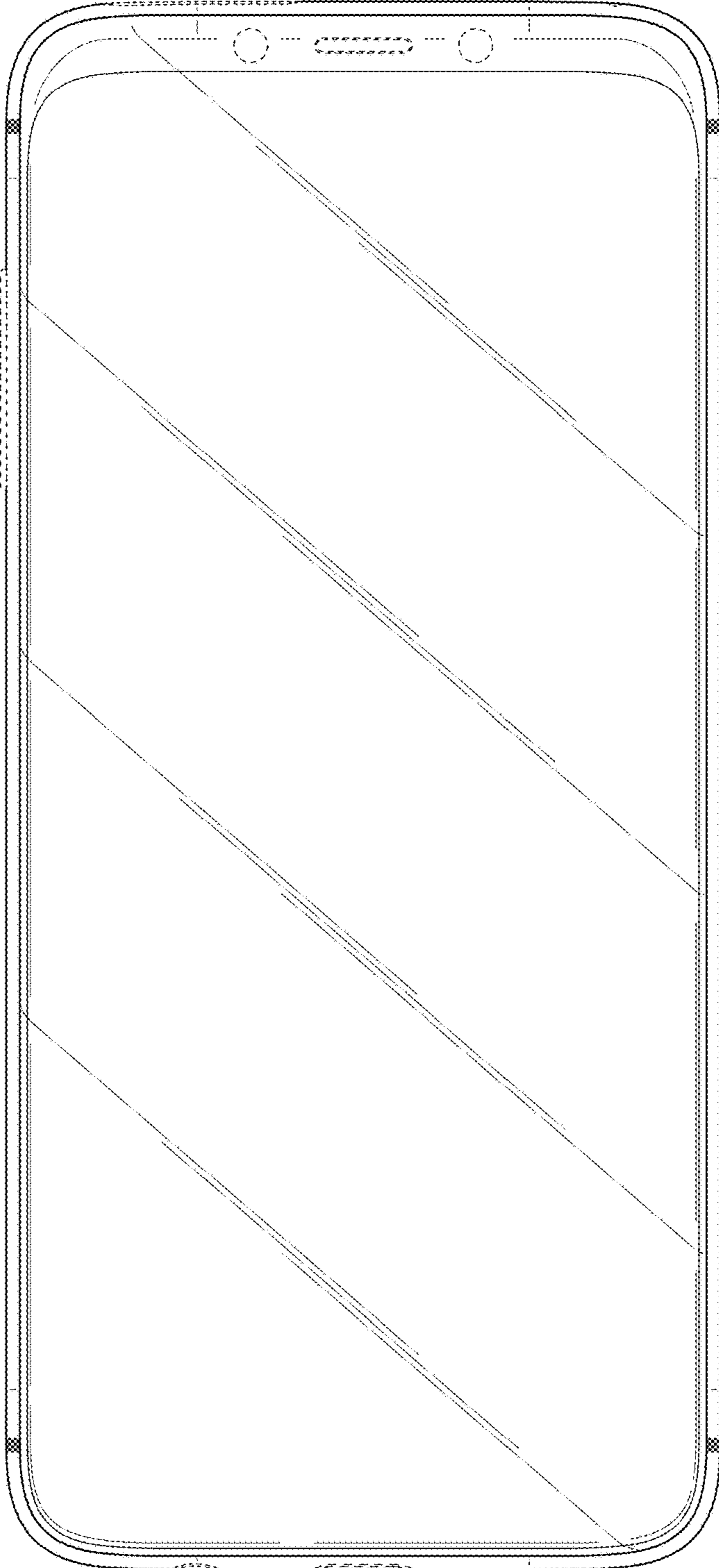


FIG. 19

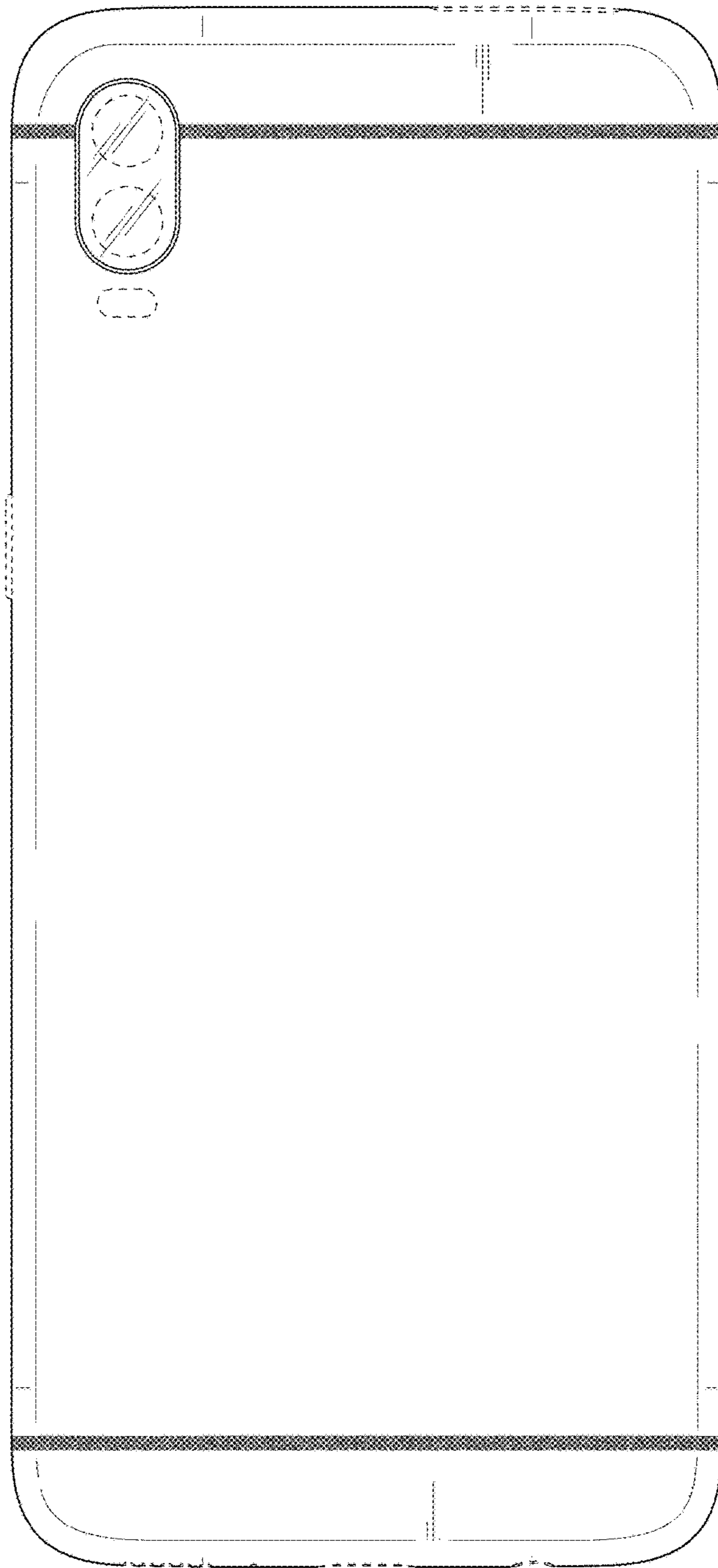


FIG. 20

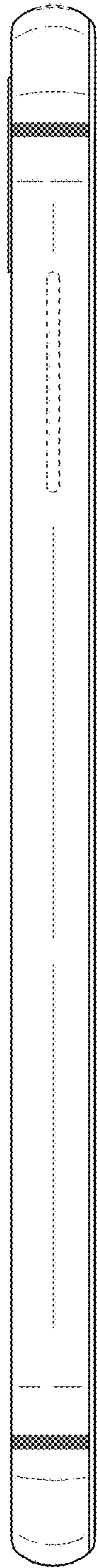


FIG. 21

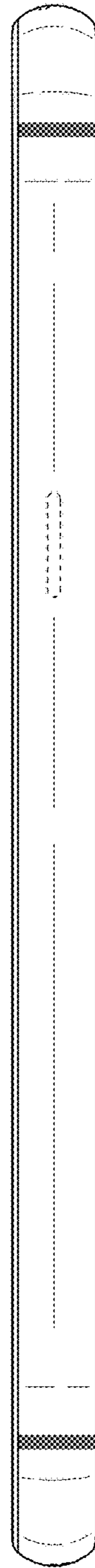


FIG. 22

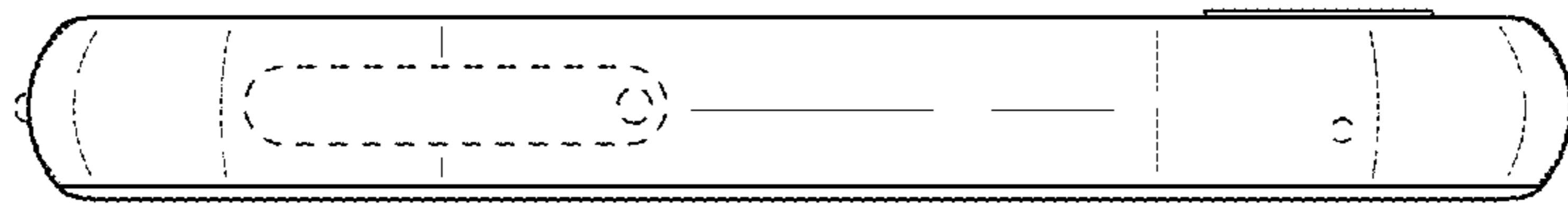


FIG. 23

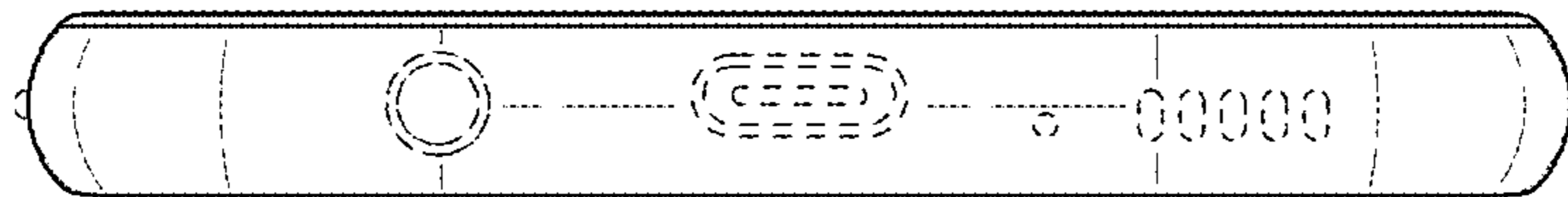




FIG. 24

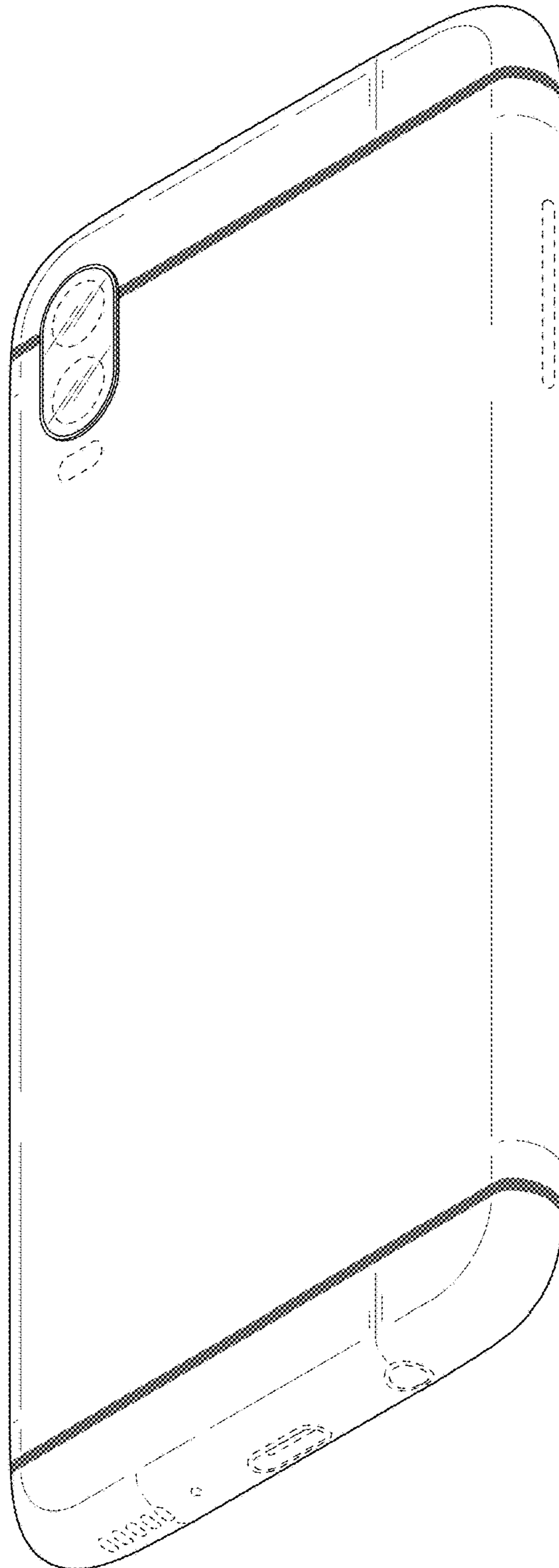


FIG. 25

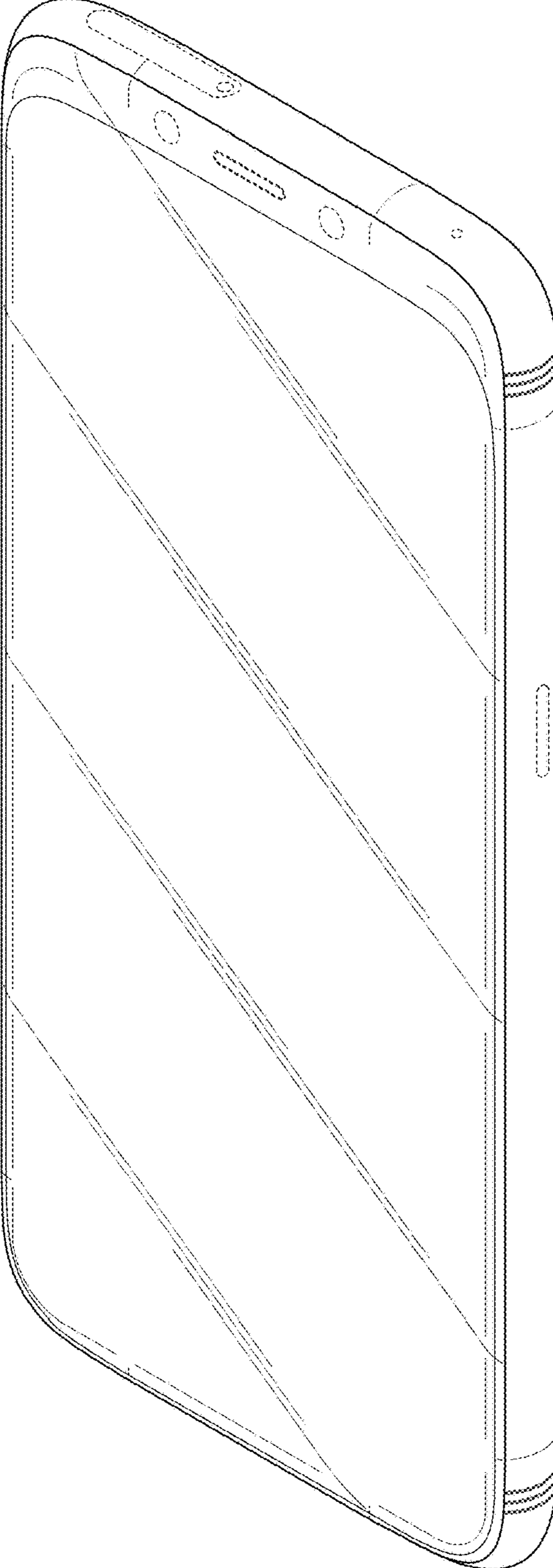


FIG. 26

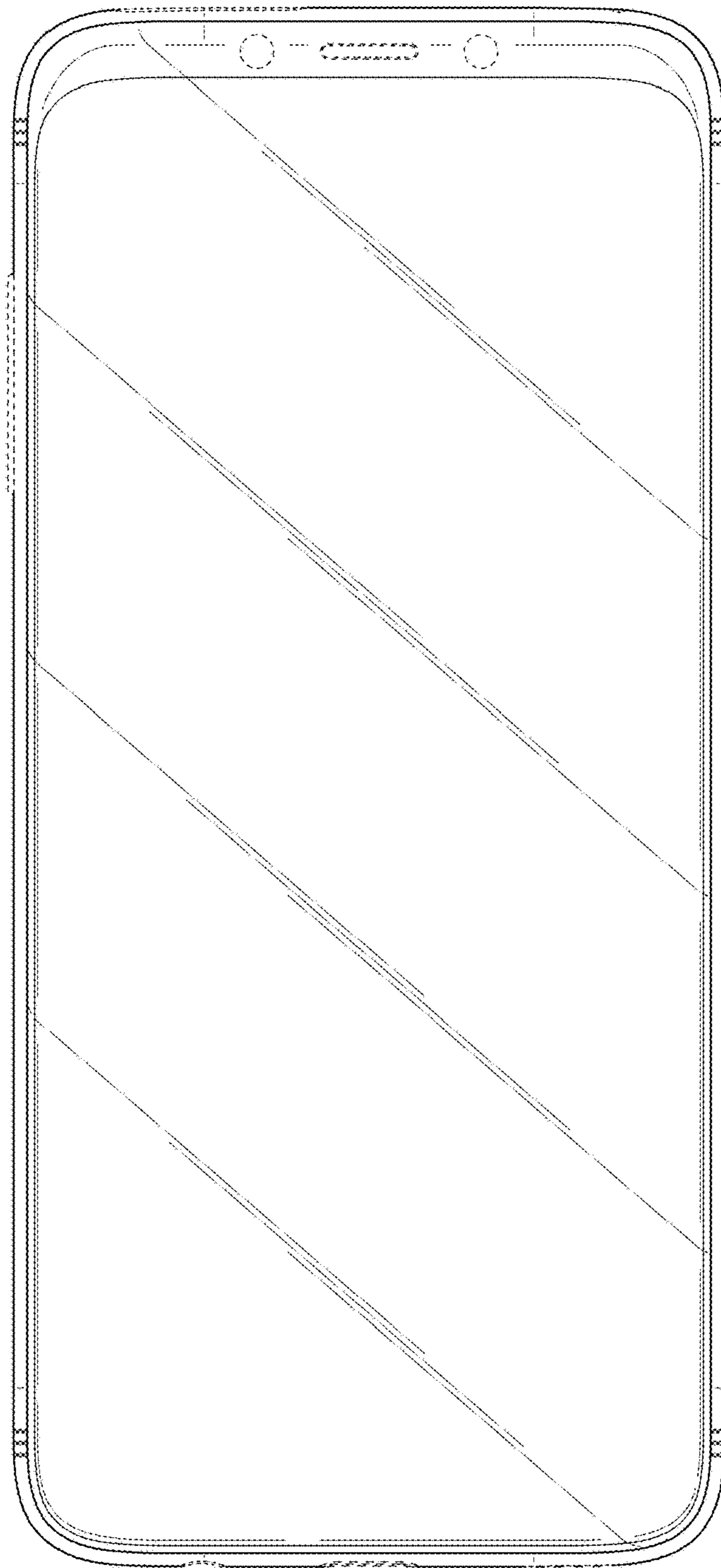


FIG. 27

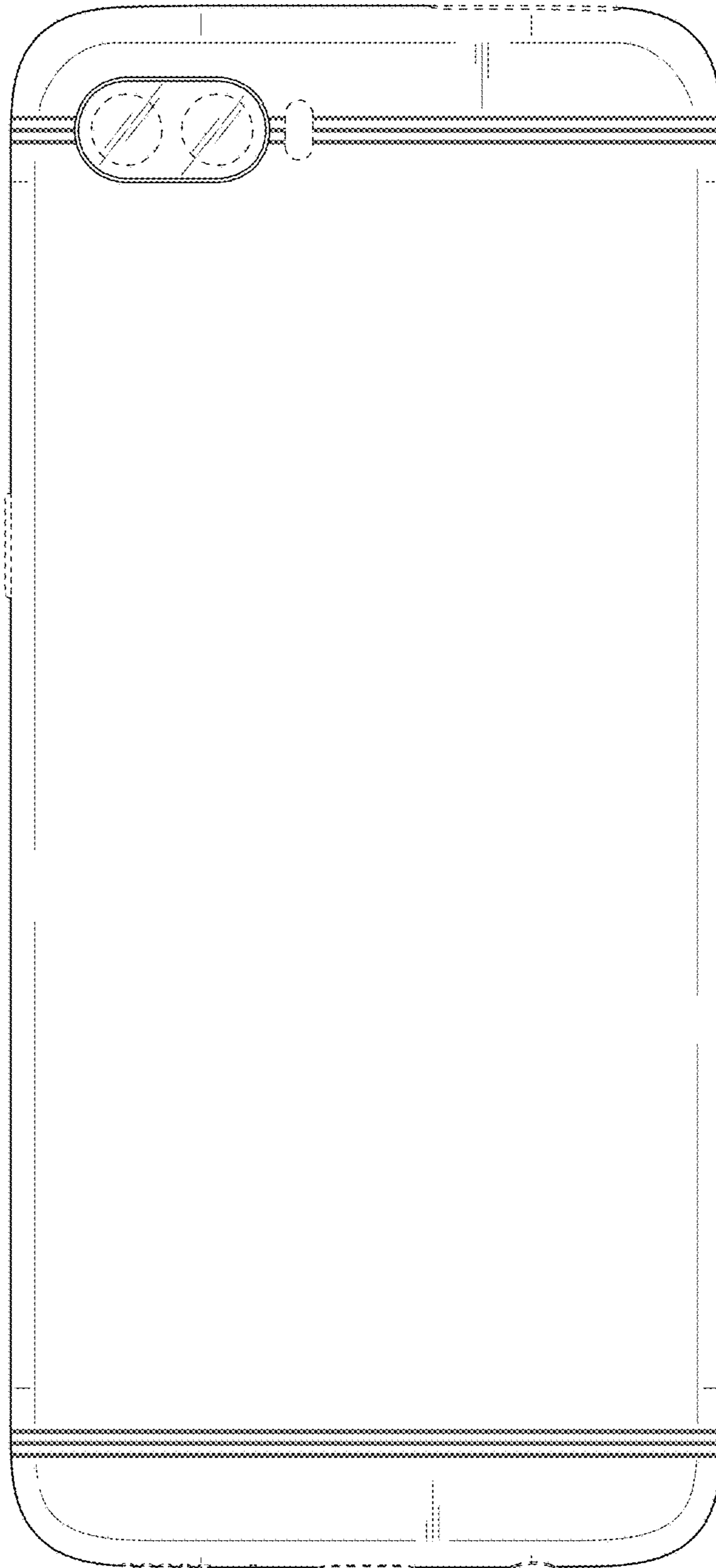




FIG. 28

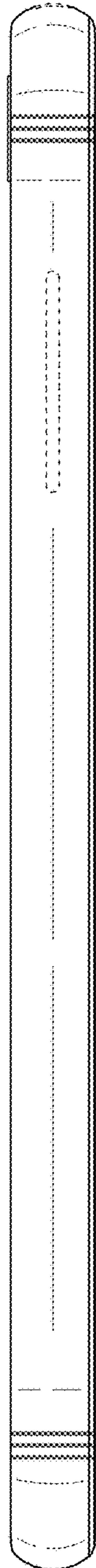


FIG. 29

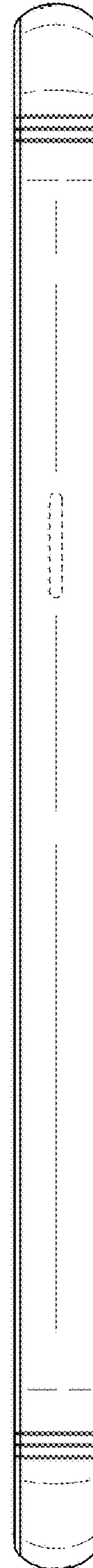


FIG. 30

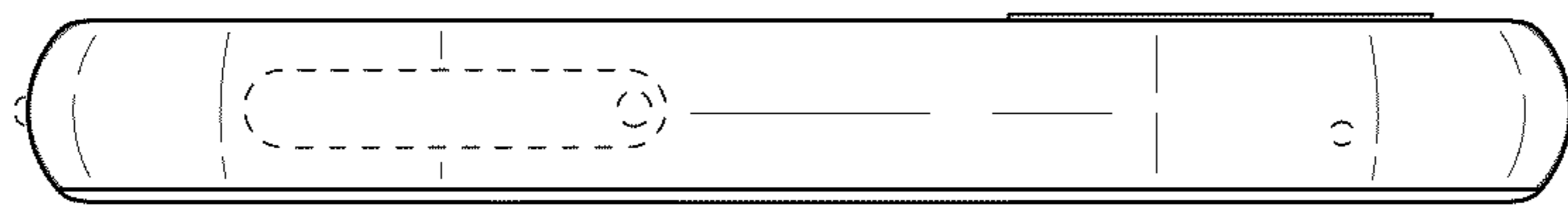


FIG. 31

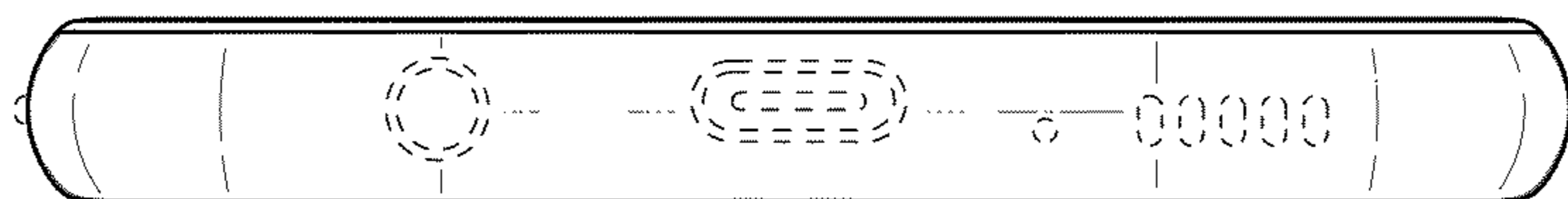


FIG. 32

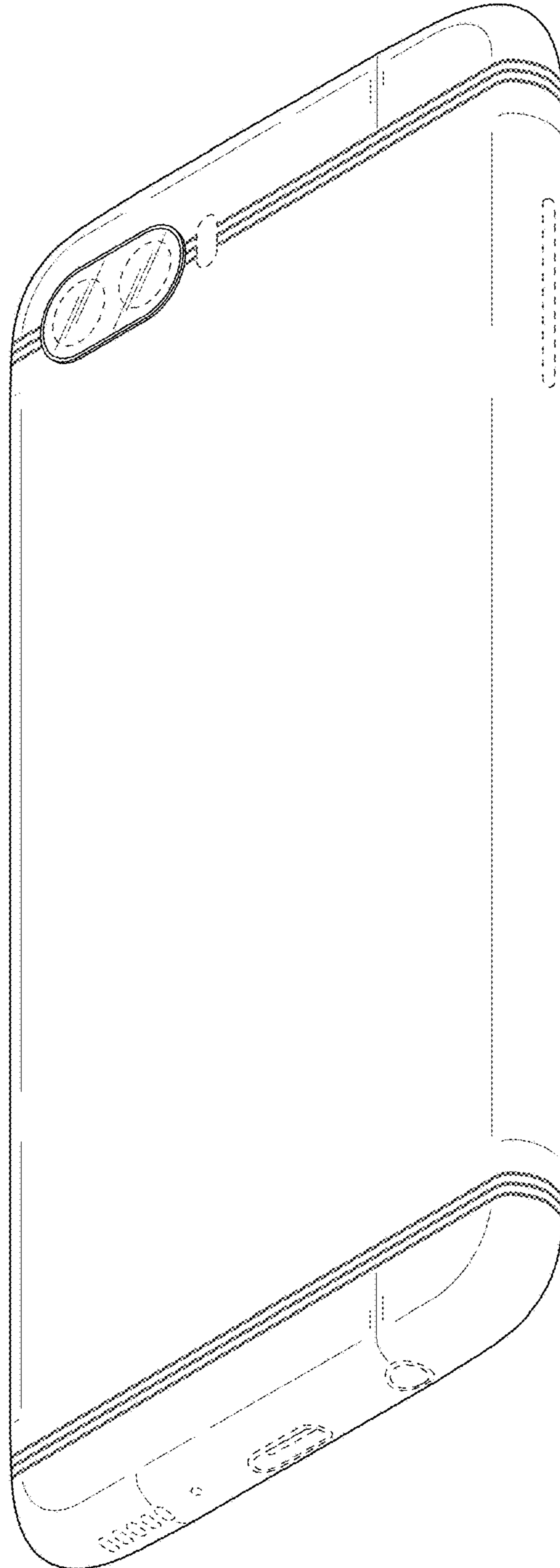


FIG. 33

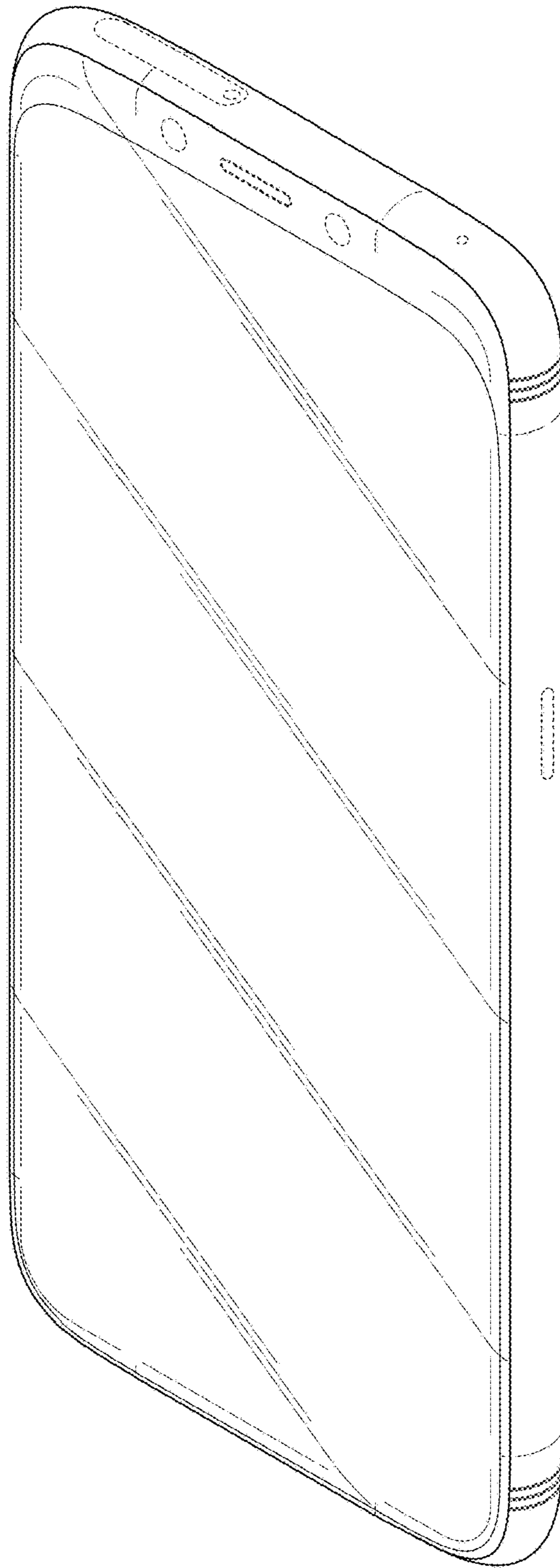


FIG. 34

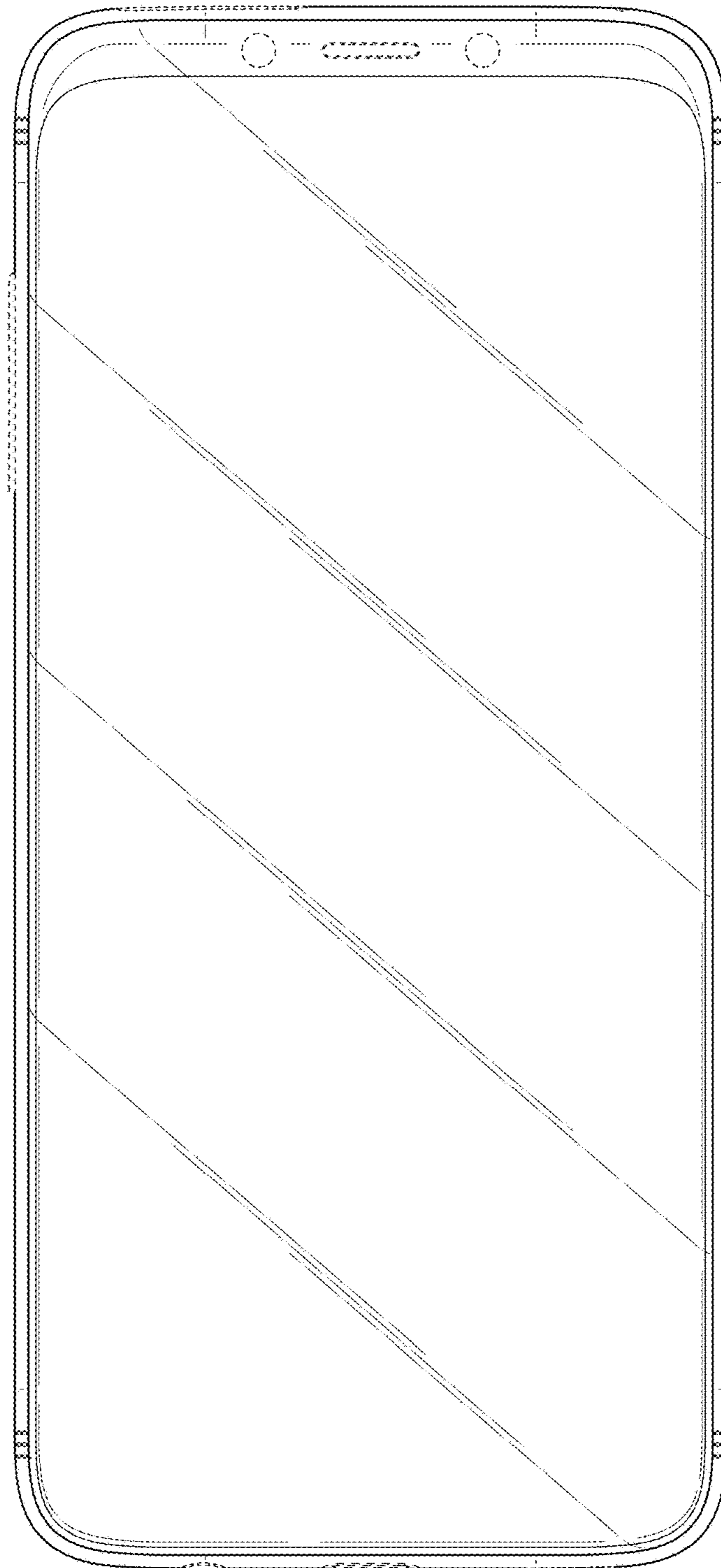


FIG. 35

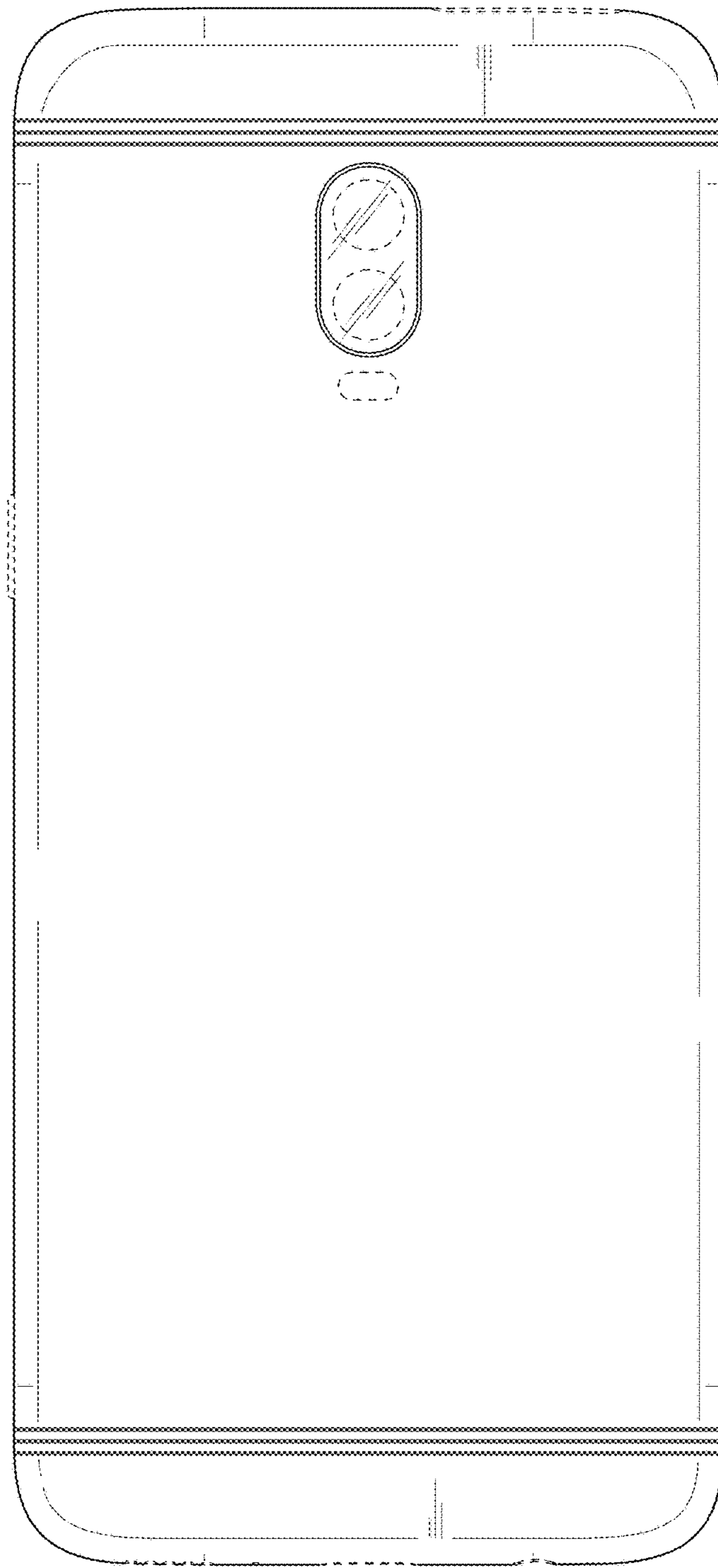




FIG. 36

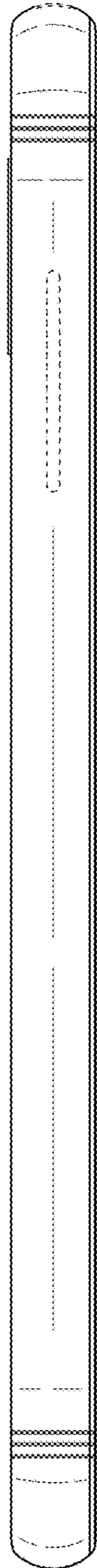


FIG. 37

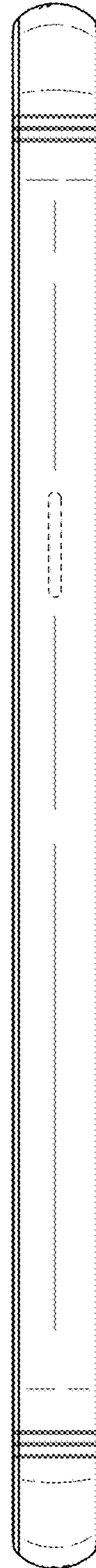


FIG. 38

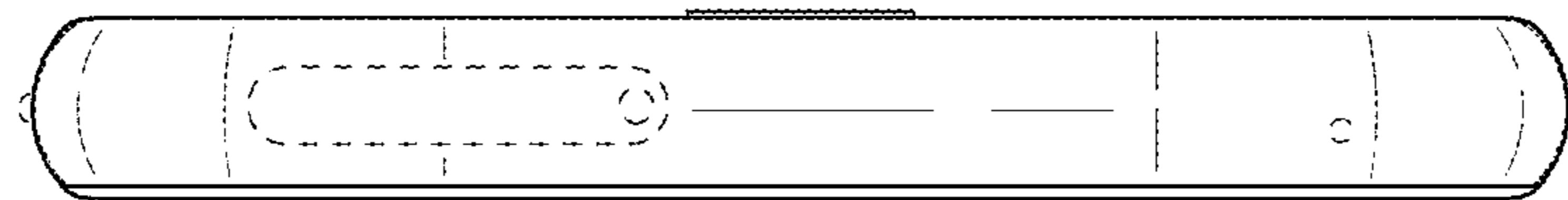


FIG. 39

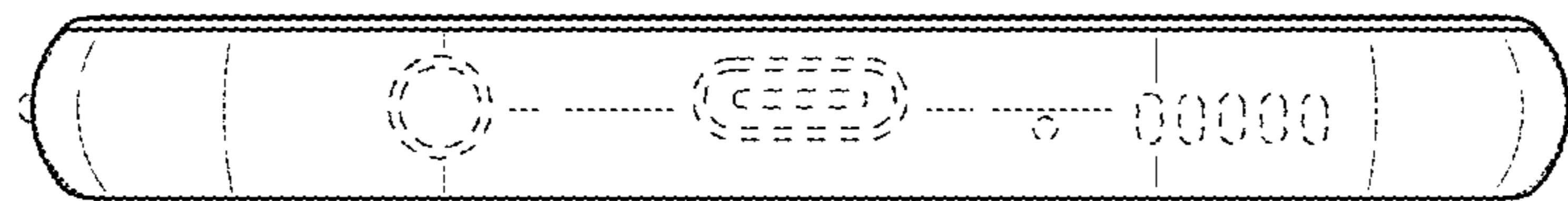


FIG. 40

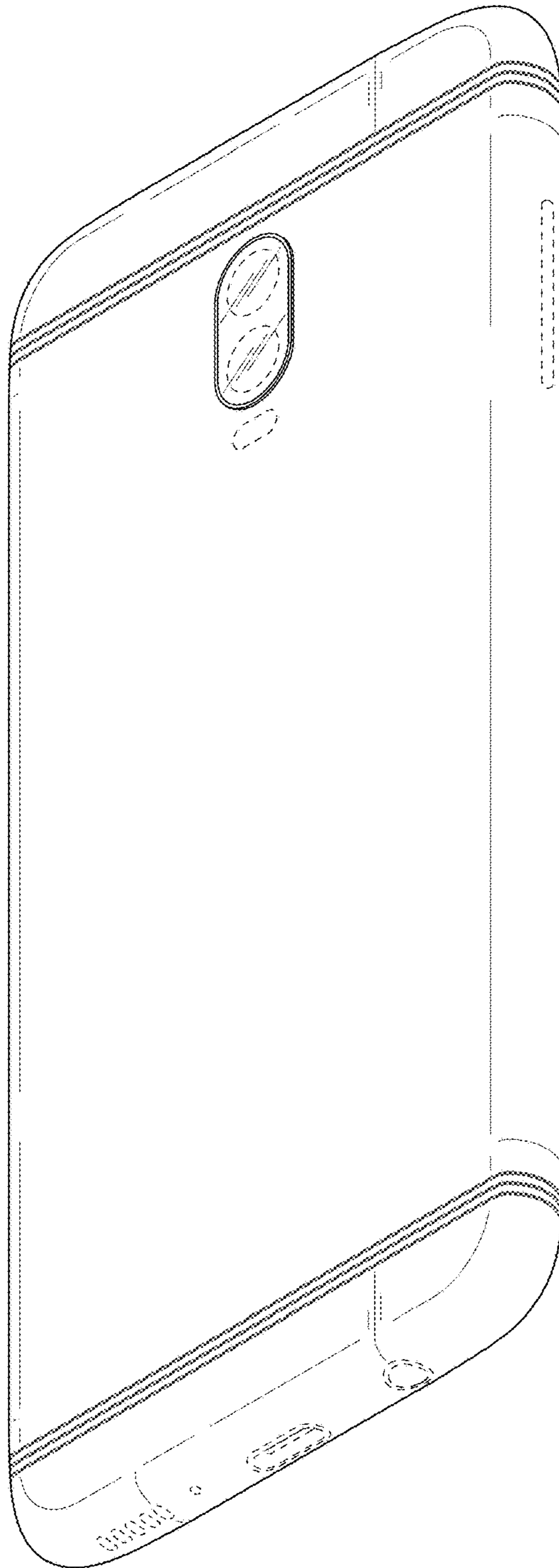


FIG. 41

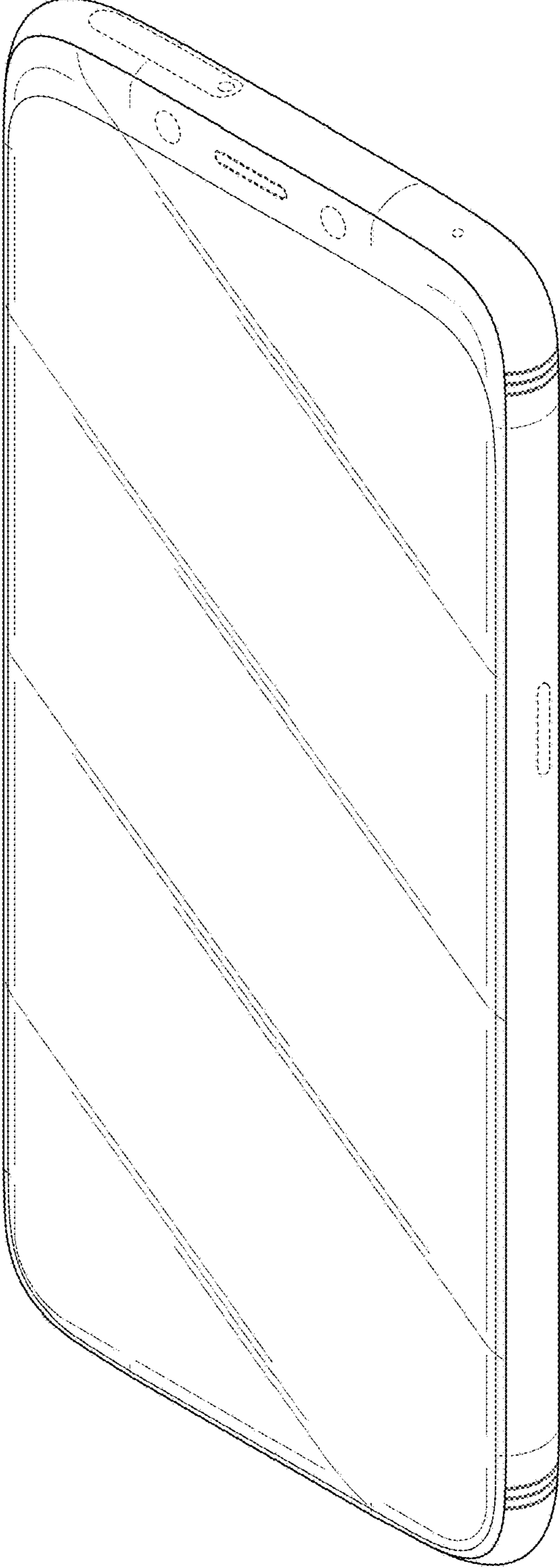


FIG. 42

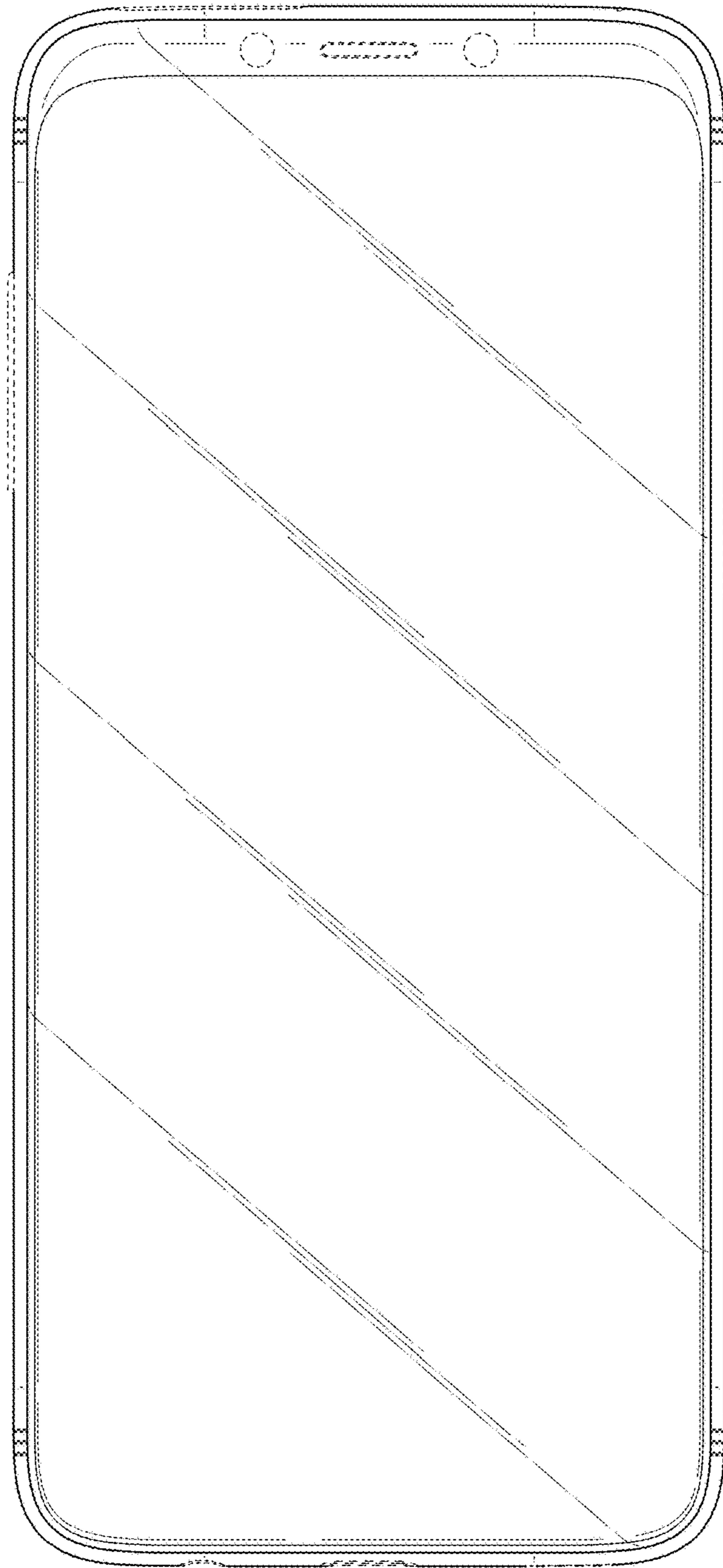


FIG. 43

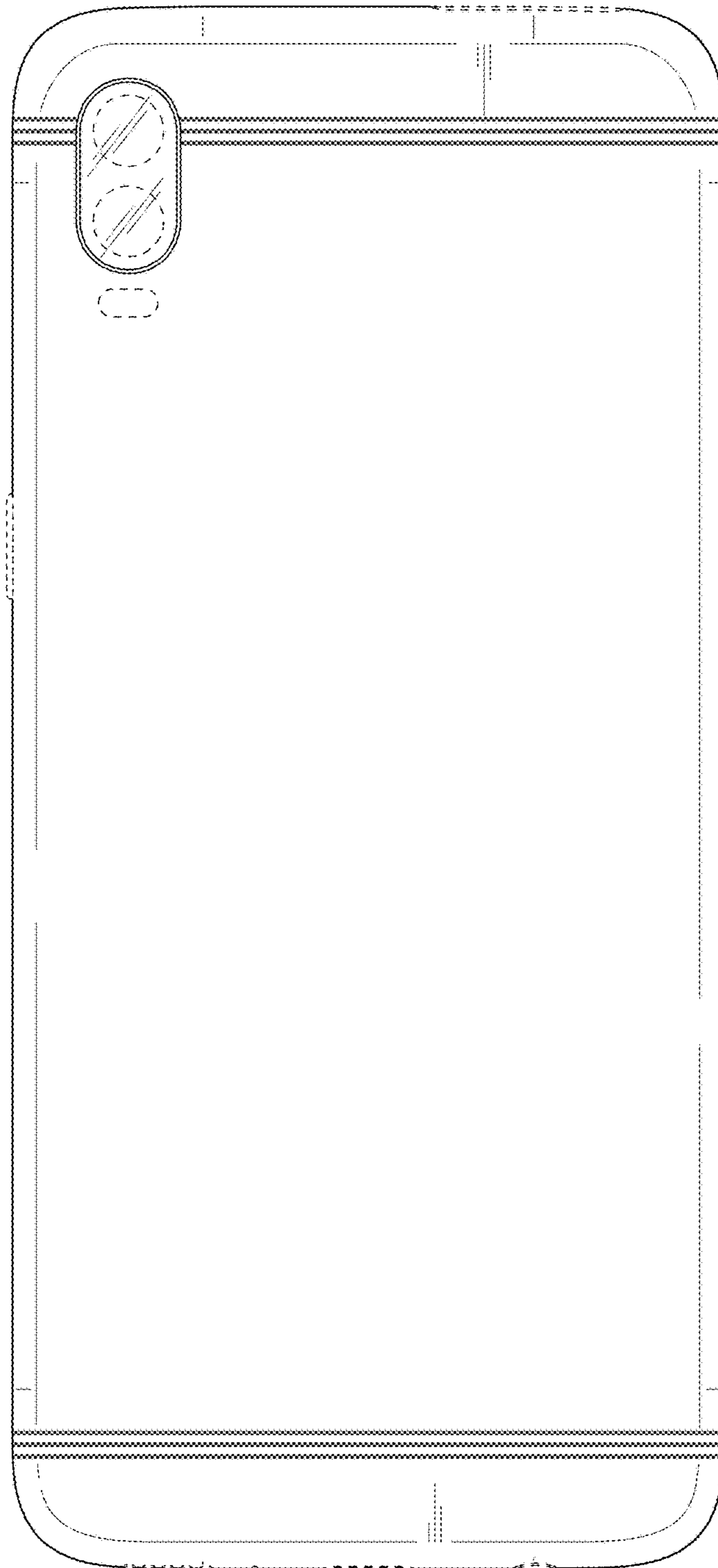




FIG. 44

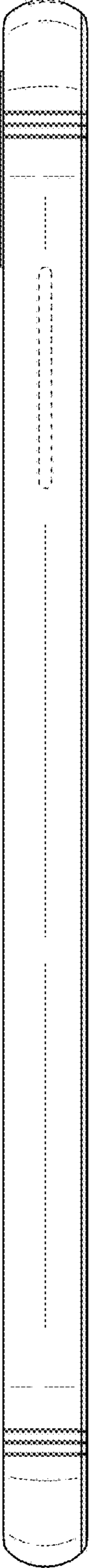


FIG. 45

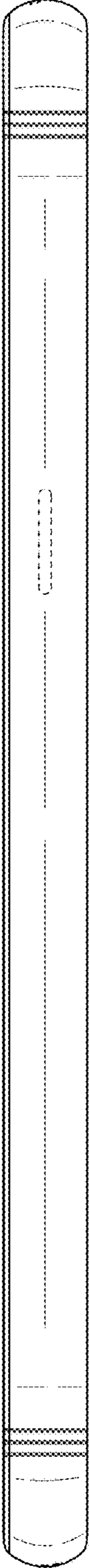


FIG. 46

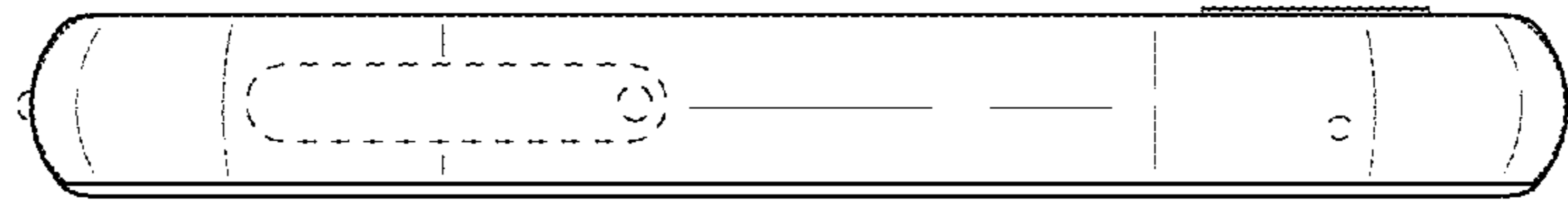


FIG. 47

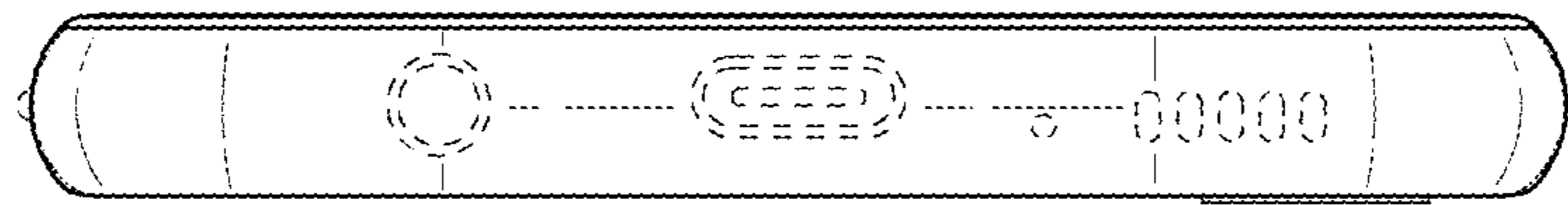


FIG. 48

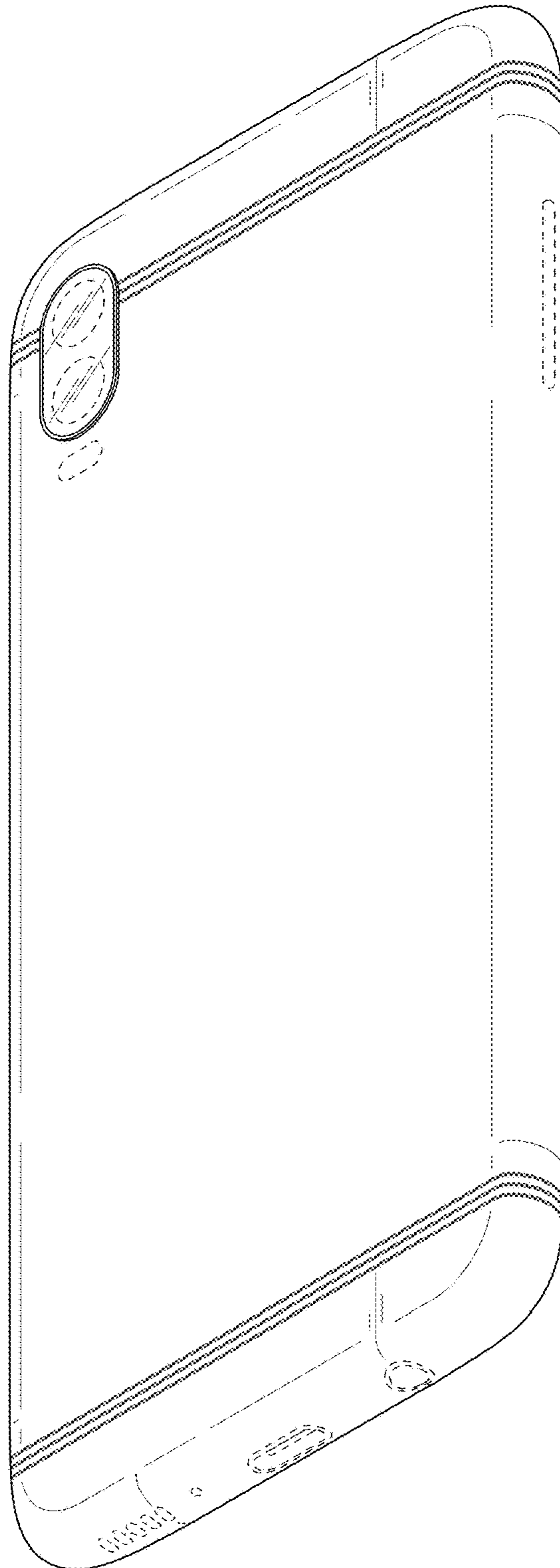


FIG. 49

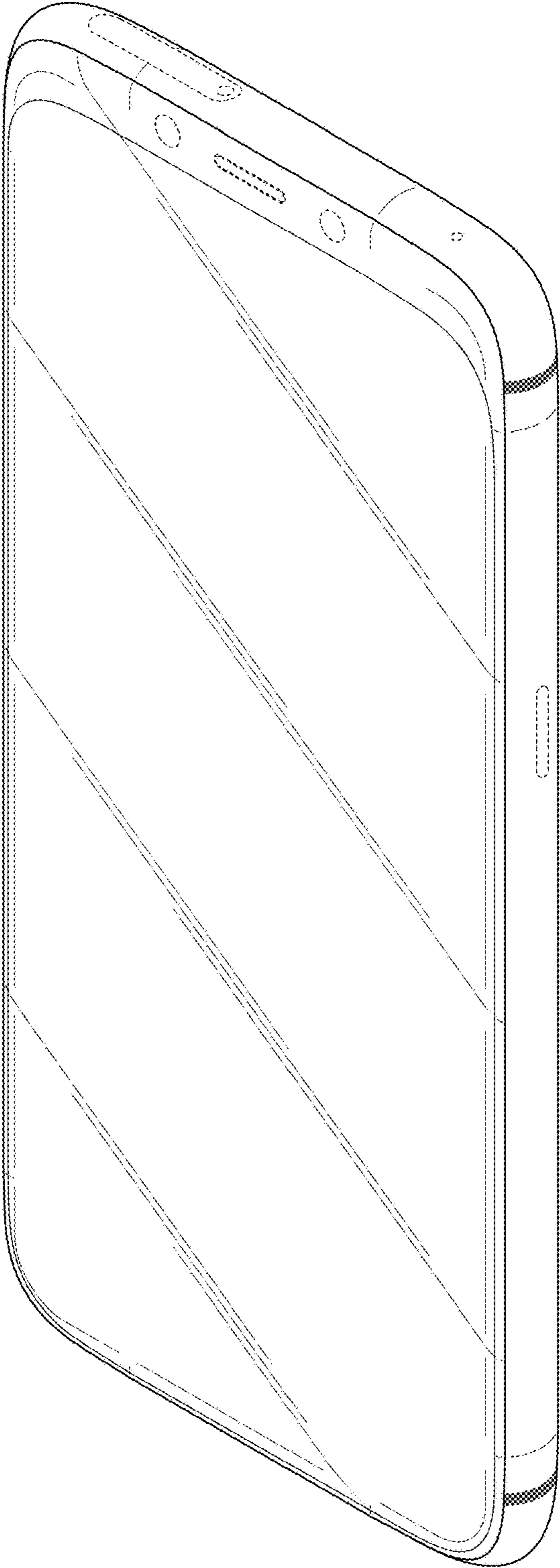


FIG. 50

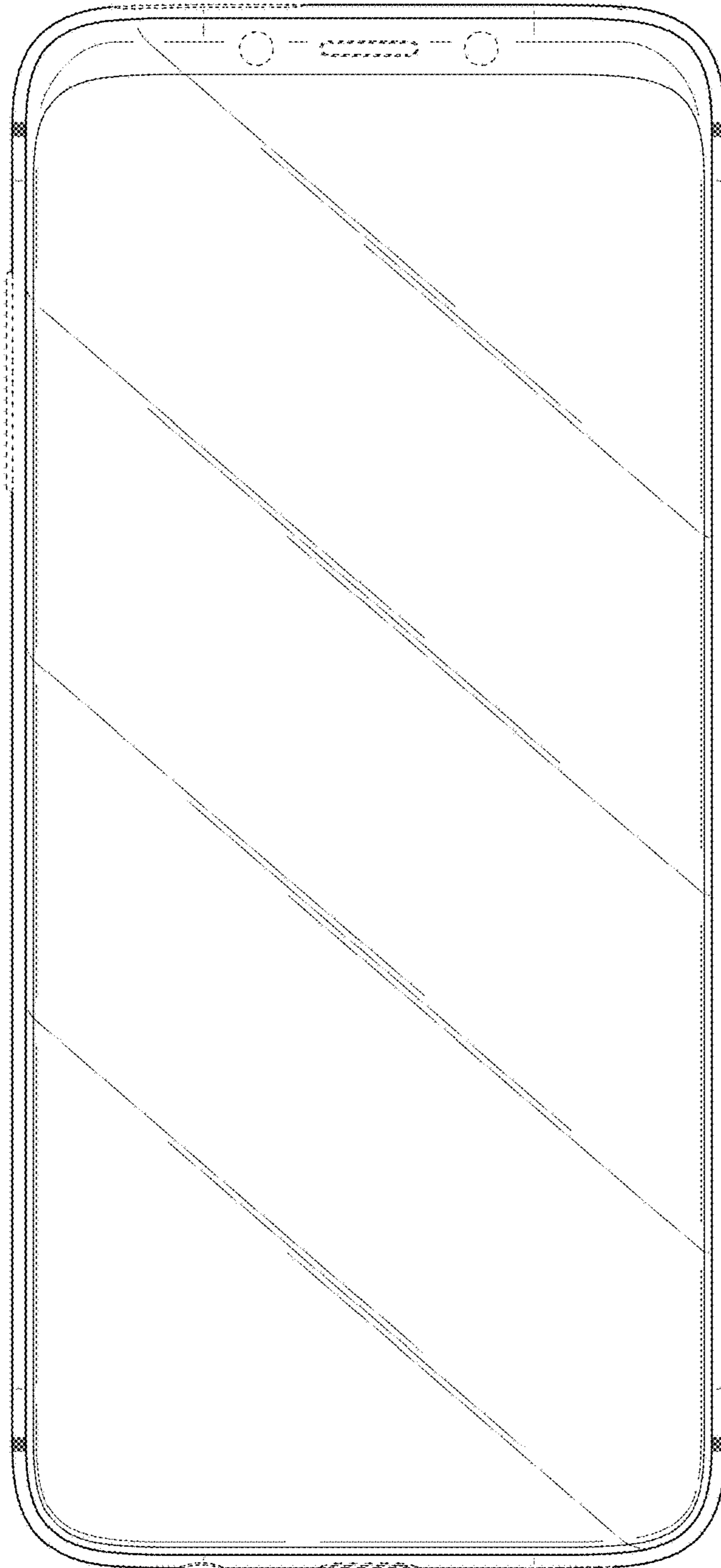


FIG. 51

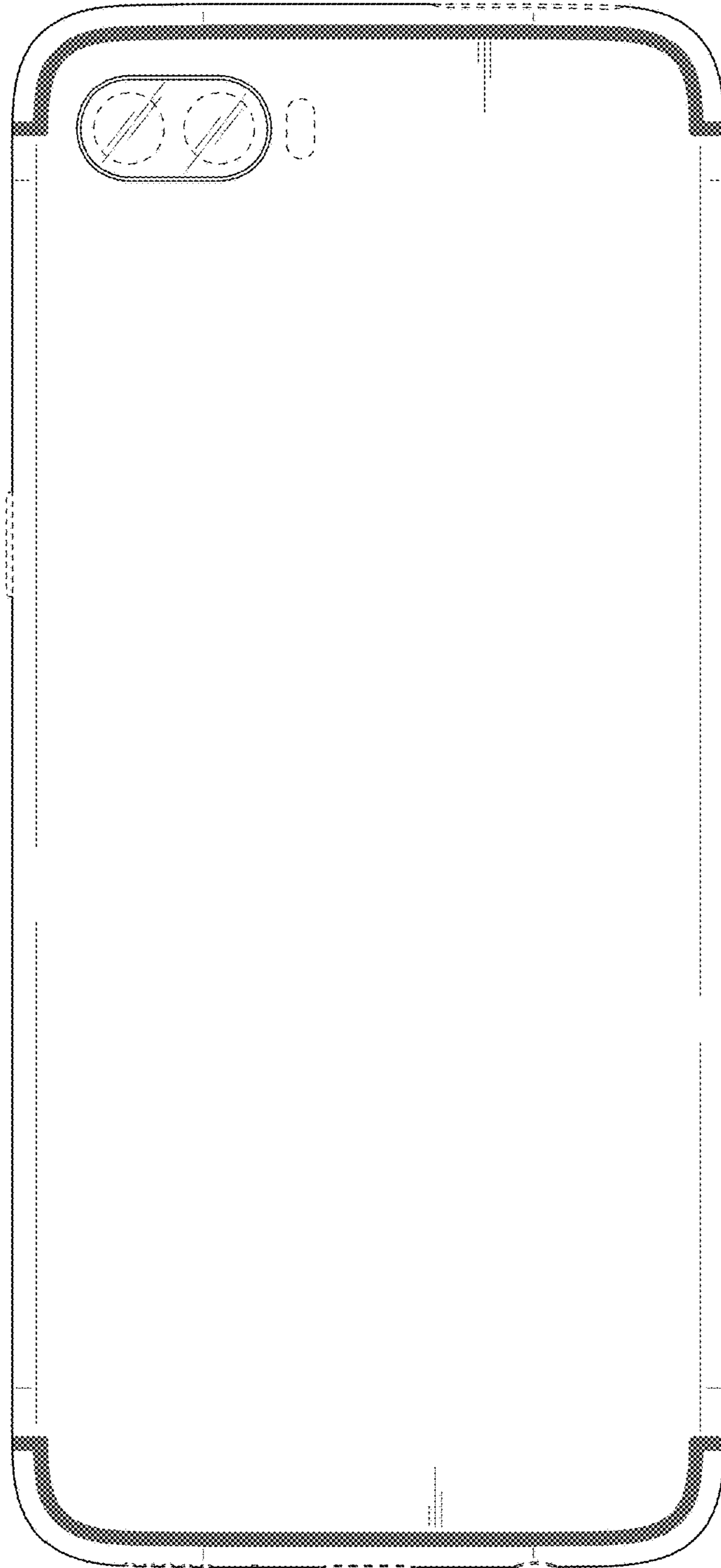




FIG. 52

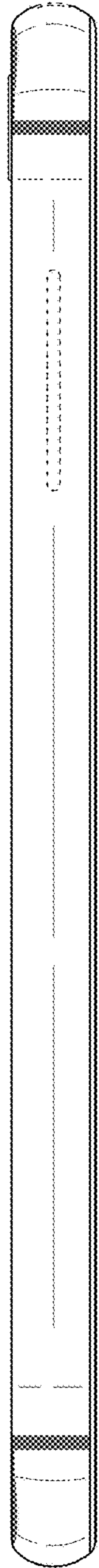


FIG. 53

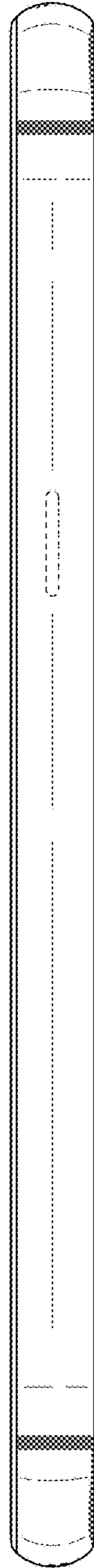


FIG. 54



FIG. 55

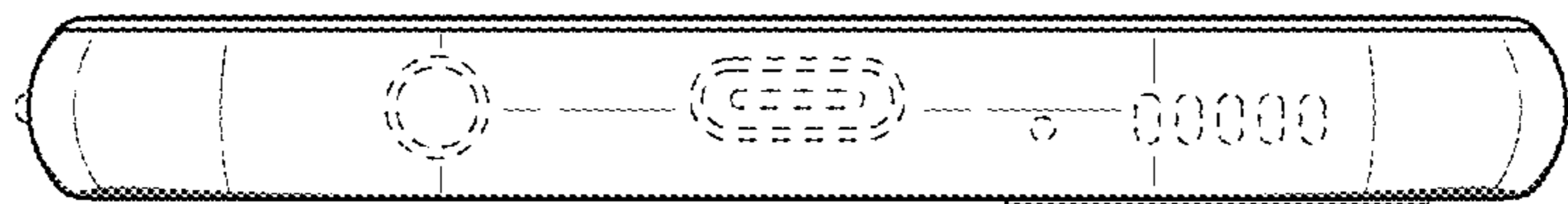


FIG. 56

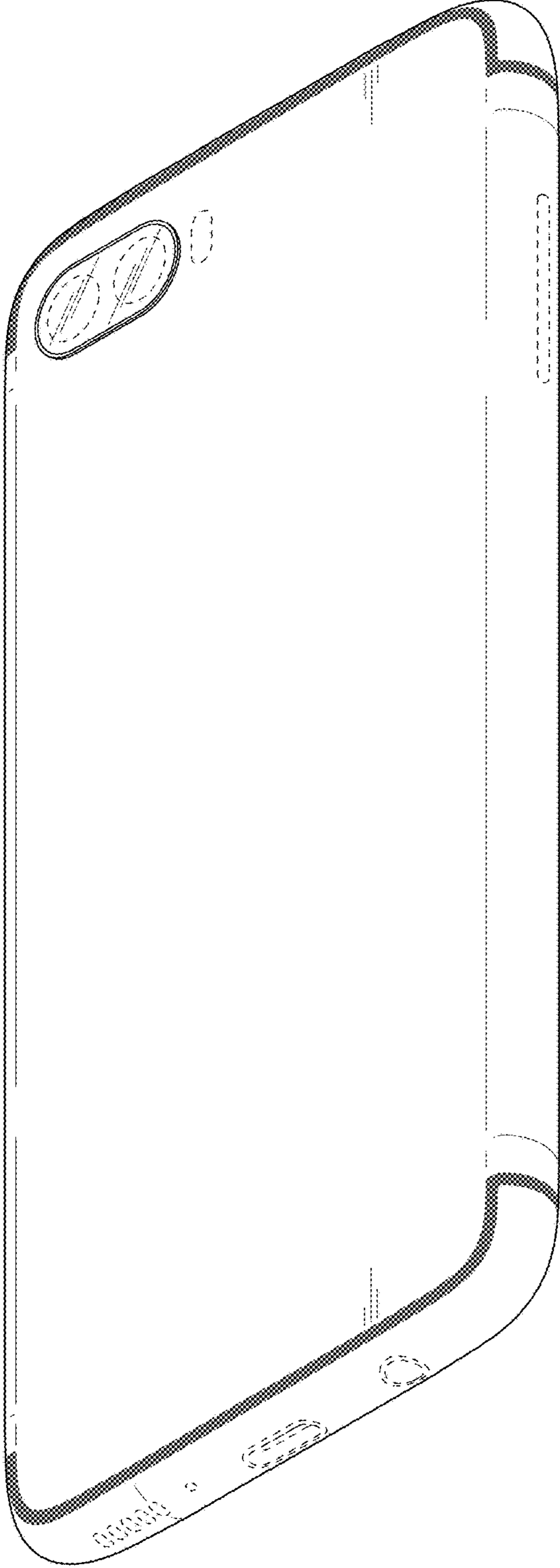


FIG. 57

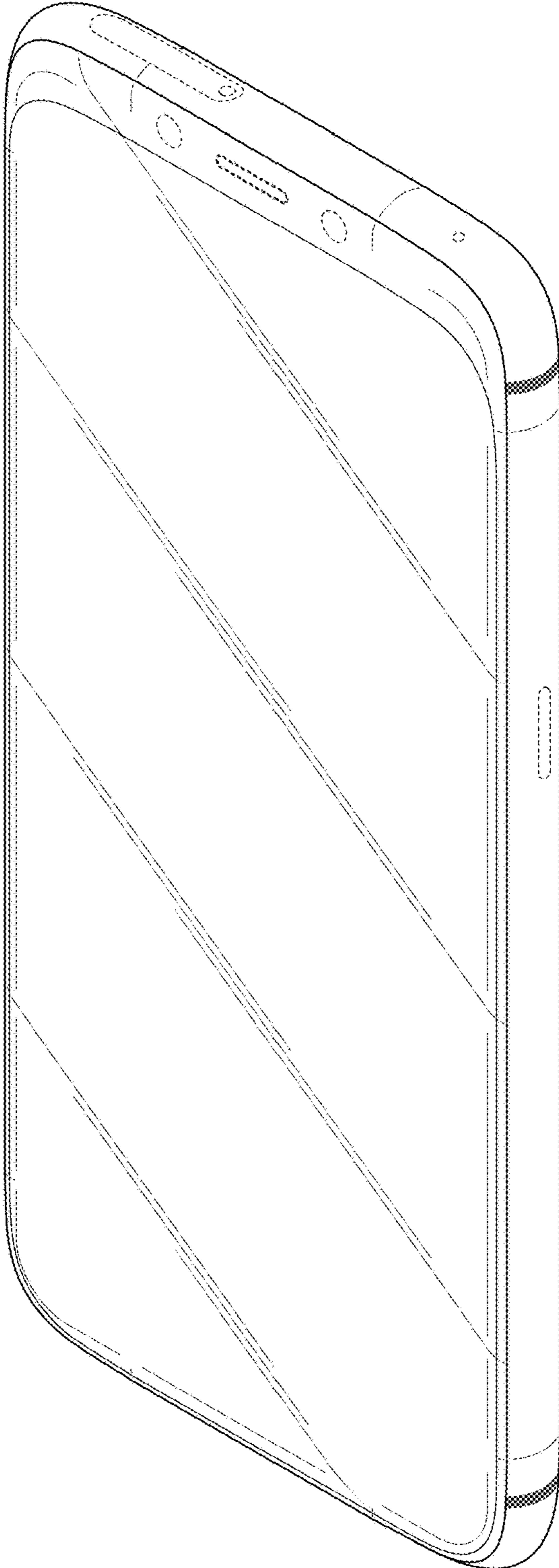


FIG. 58

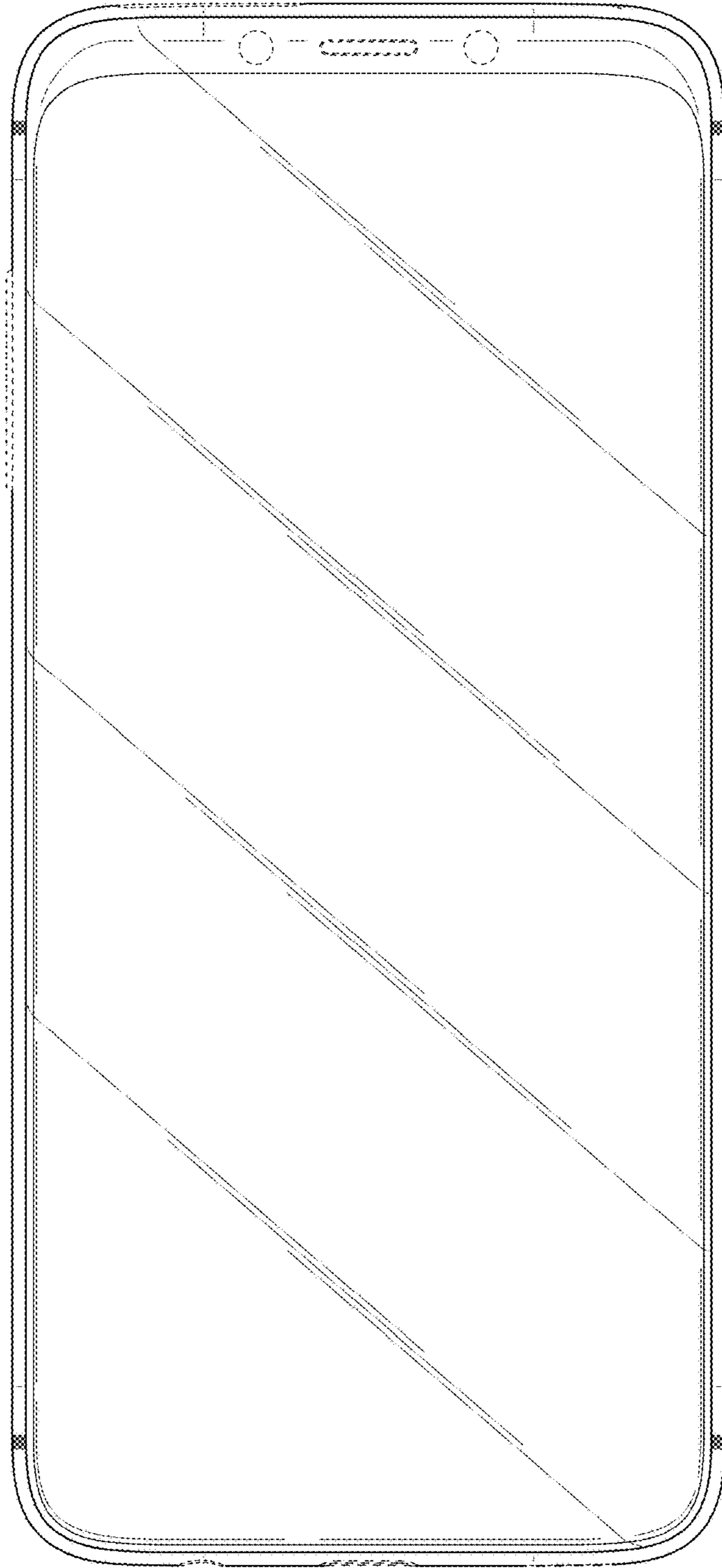


FIG. 59

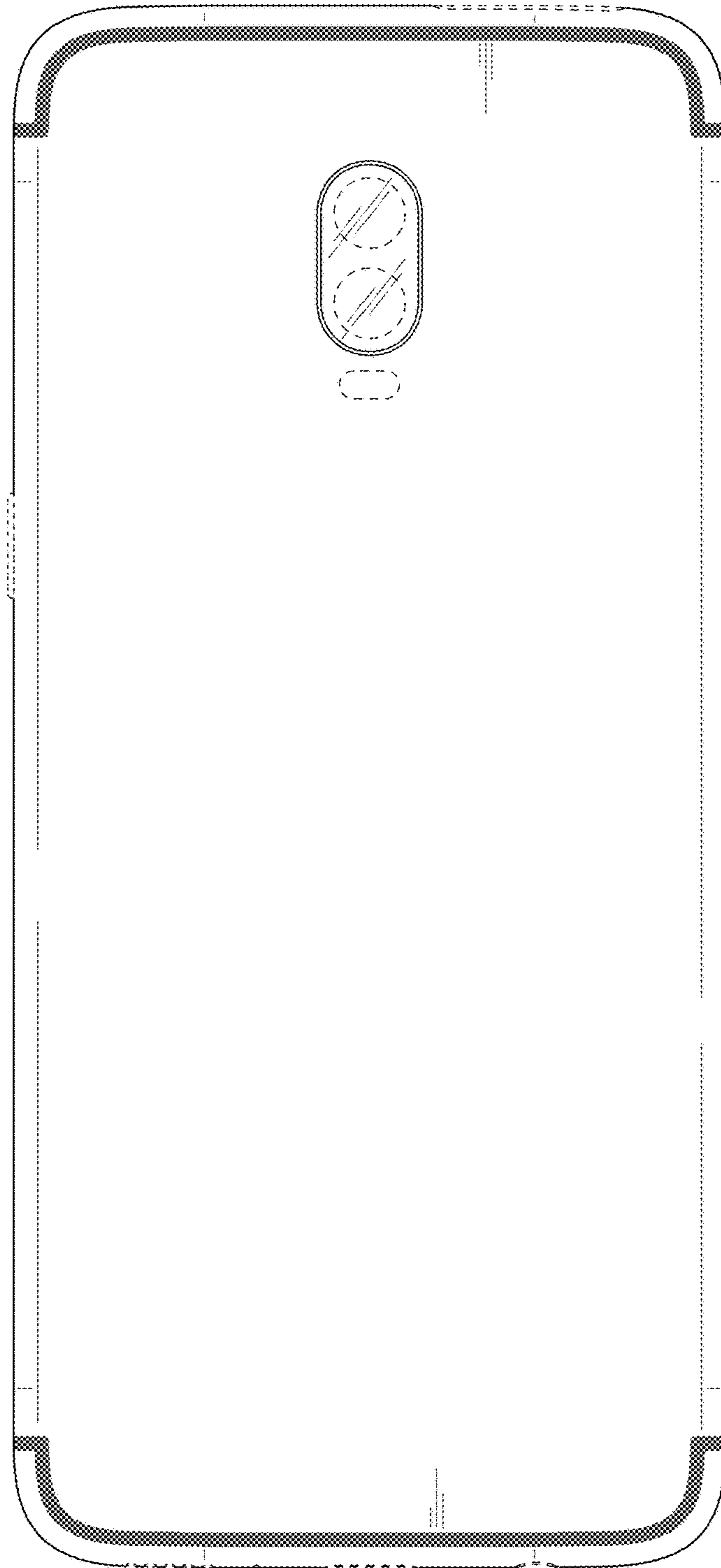




FIG. 60

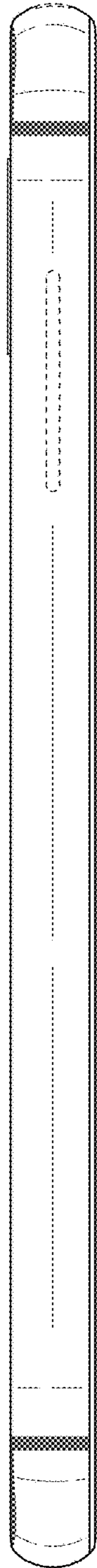


FIG. 61

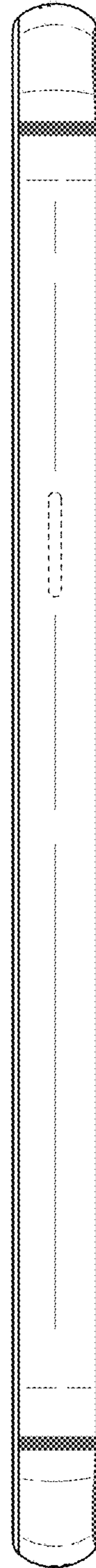


FIG. 62

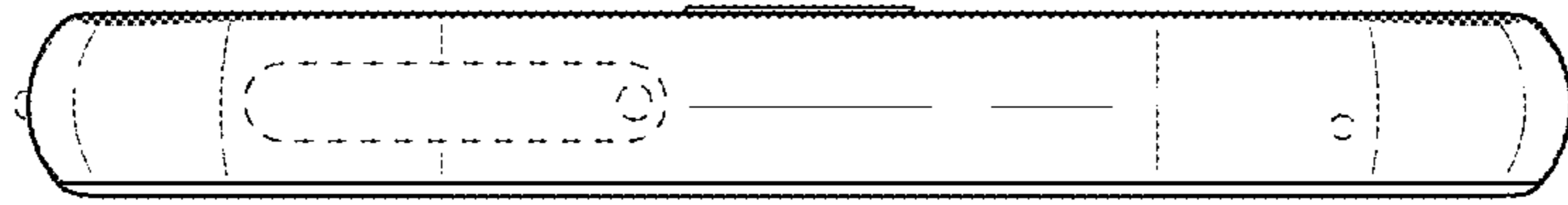


FIG. 63

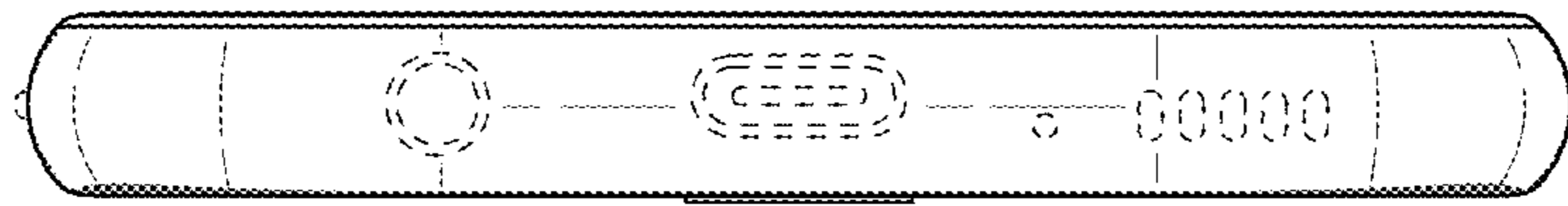


FIG. 64

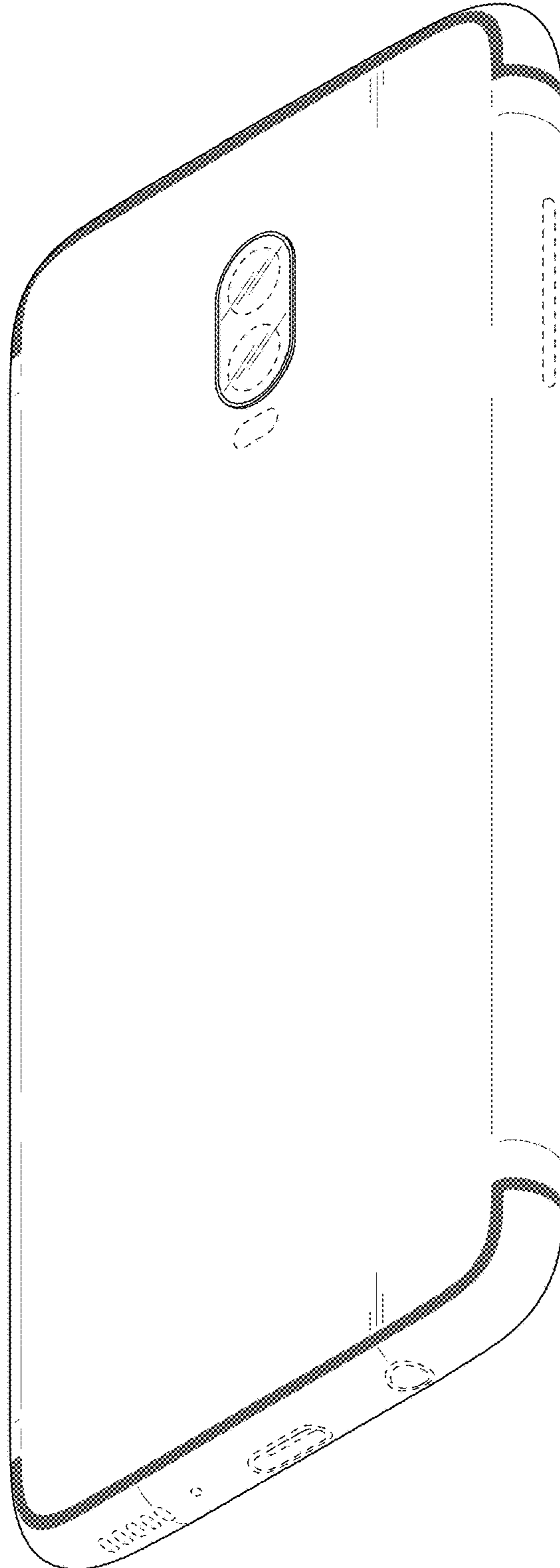


FIG. 65

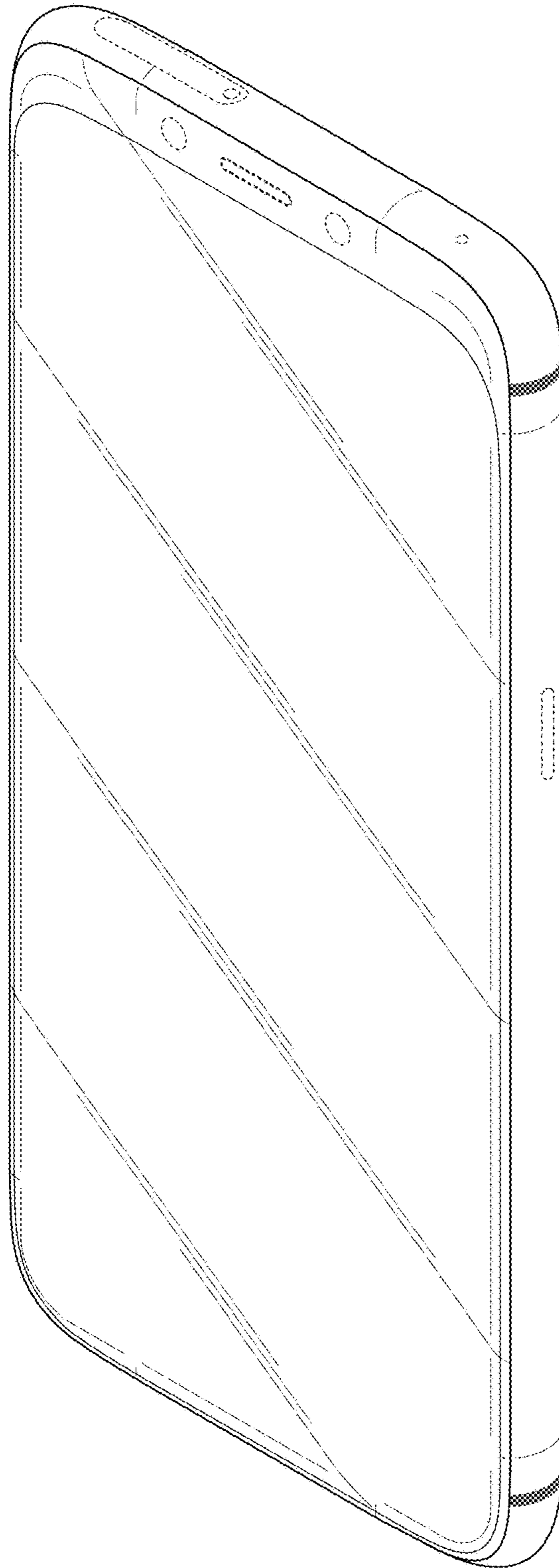


FIG. 66

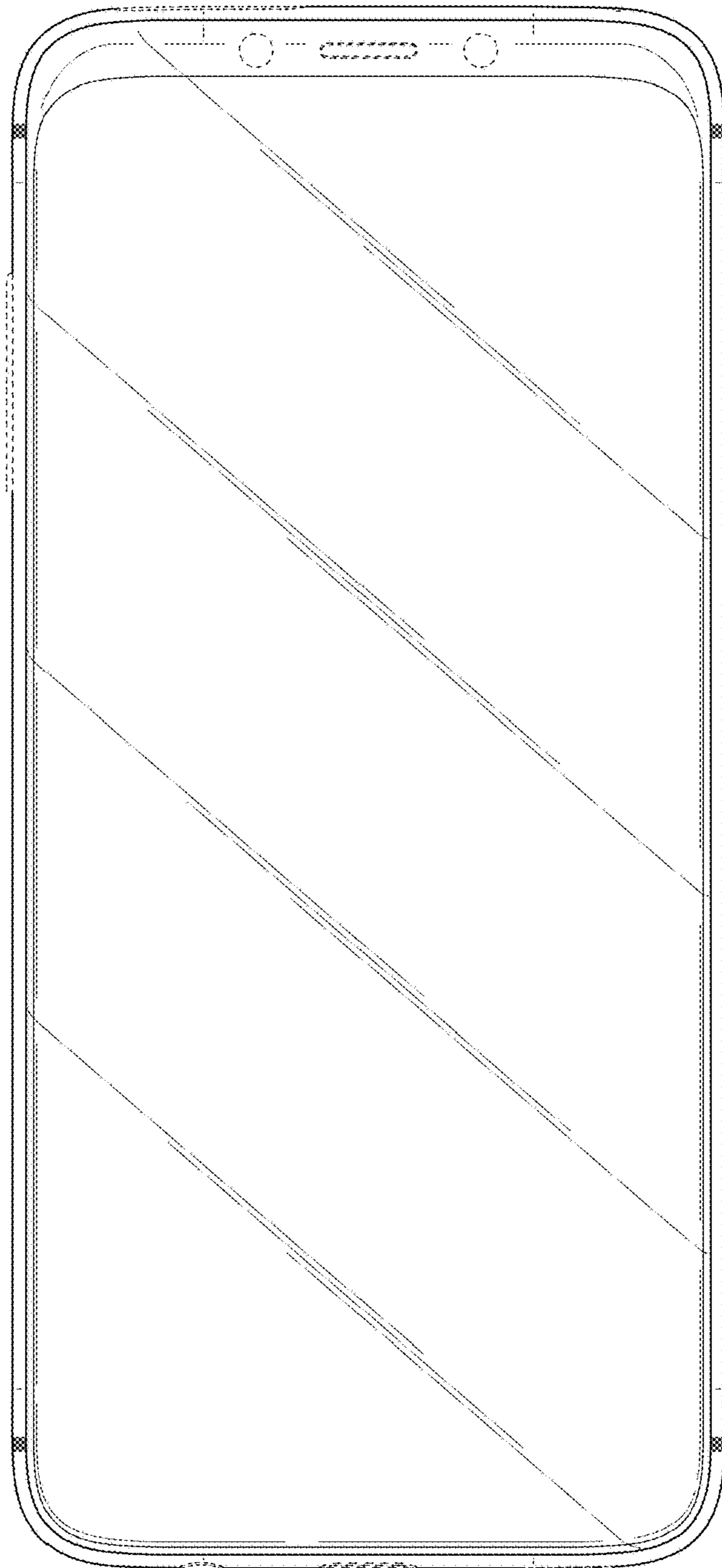


FIG. 67

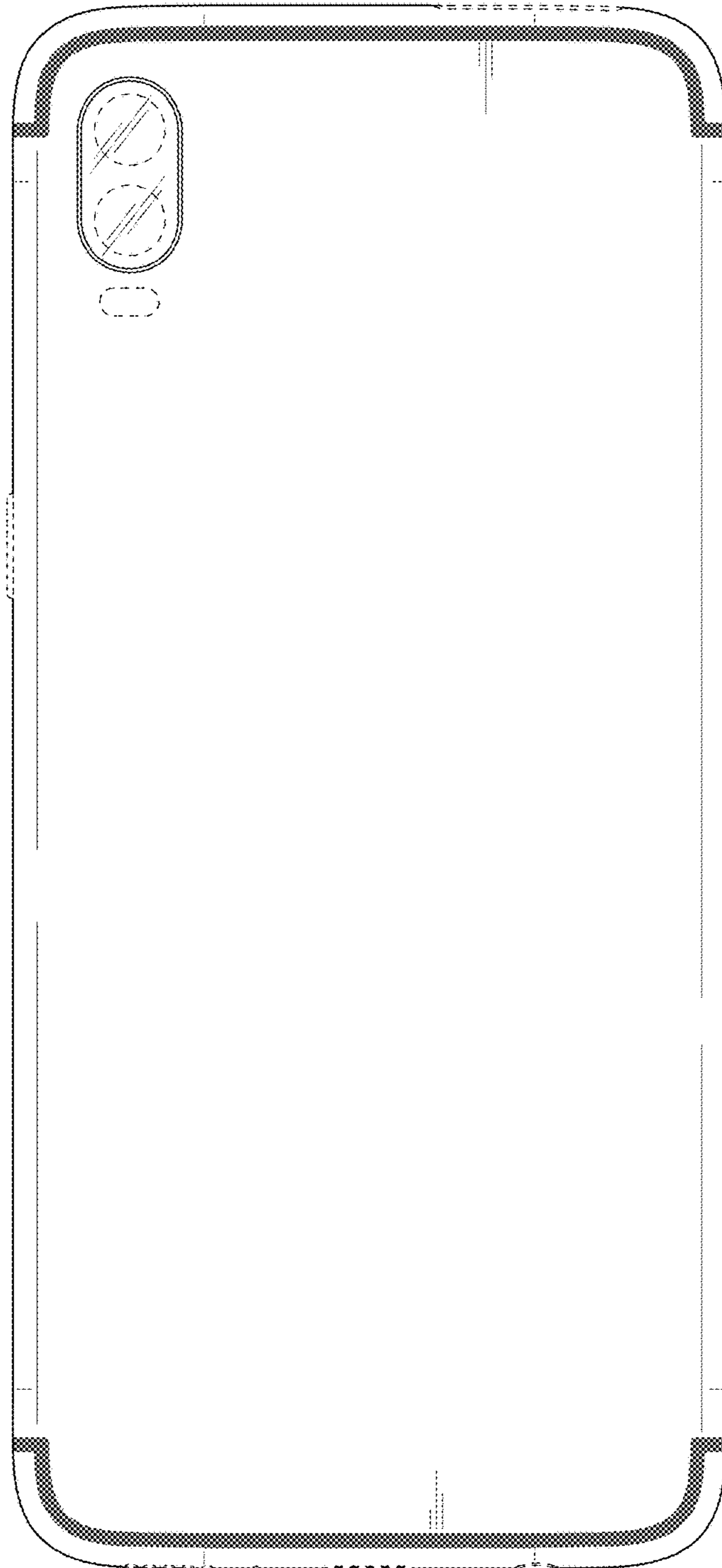


FIG. 68

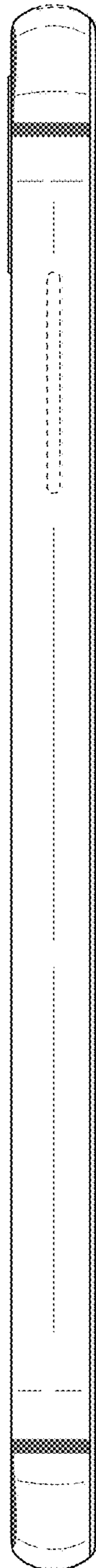


FIG. 69

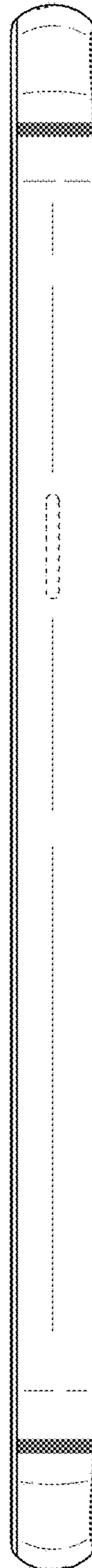




FIG. 70



FIG. 71

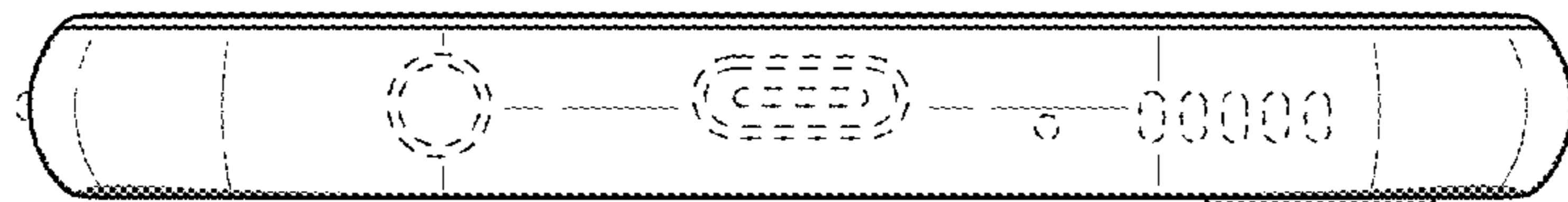


FIG. 72

