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(12) **United States Design Patent** (10) **Patent No.:** **US D906,314 S**  
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(54) **CASE FOR ELECTRONIC COMMUNICATIONS DEVICE**

(71) Applicant: **SPIGEN KOREA CO., LTD.**, Seoul (KR)

(72) Inventor: **Ji Hyun Kim**, Seoul (KR)

(73) Assignee: **SPIGEN KOREA CO., LTD.**, Seoul (KR)

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

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(58) **Field of Classification Search**

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D3/201, 218, 247, 269, 273, 301, 303;  
D13/103, 119, 107–108

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1/0202; A45C 1/06; A45C 11/00; A45C  
13/02; A45C 2011/002; A45F 2005/026;  
A45F 2200/0525; A45F 2200/0516

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D357,918 S \* 5/1995 Doria ..... D14/218  
D575,056 S 8/2008 Tan  
D606,305 S \* 12/2009 Lee ..... D3/269  
D609,672 S 2/2010 Lee

(Continued)

**OTHER PUBLICATIONS**

“Caseology Vault for Apple iPhone 8 Case (2017) / for iPhone 7 Case (2016)—Rugged & Flexible—Matte Black”, <https://www.amazon.com/dp/B01JSZOJ7M>, Earliest review date of Sep. 10, 2016, Downloaded on Jan. 16, 2020.

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*Primary Examiner* — Carla J Wright

(74) *Attorney, Agent, or Firm* — Heedong Chae; Lucem, PC

(57) **CLAIM**

The ornamental design for a case for electronic communications device, as shown and described.

**DESCRIPTION**

FIG. 1 is a rear perspective view of a case for electronic communications device showing my new design;

FIG. 2 is a front 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;

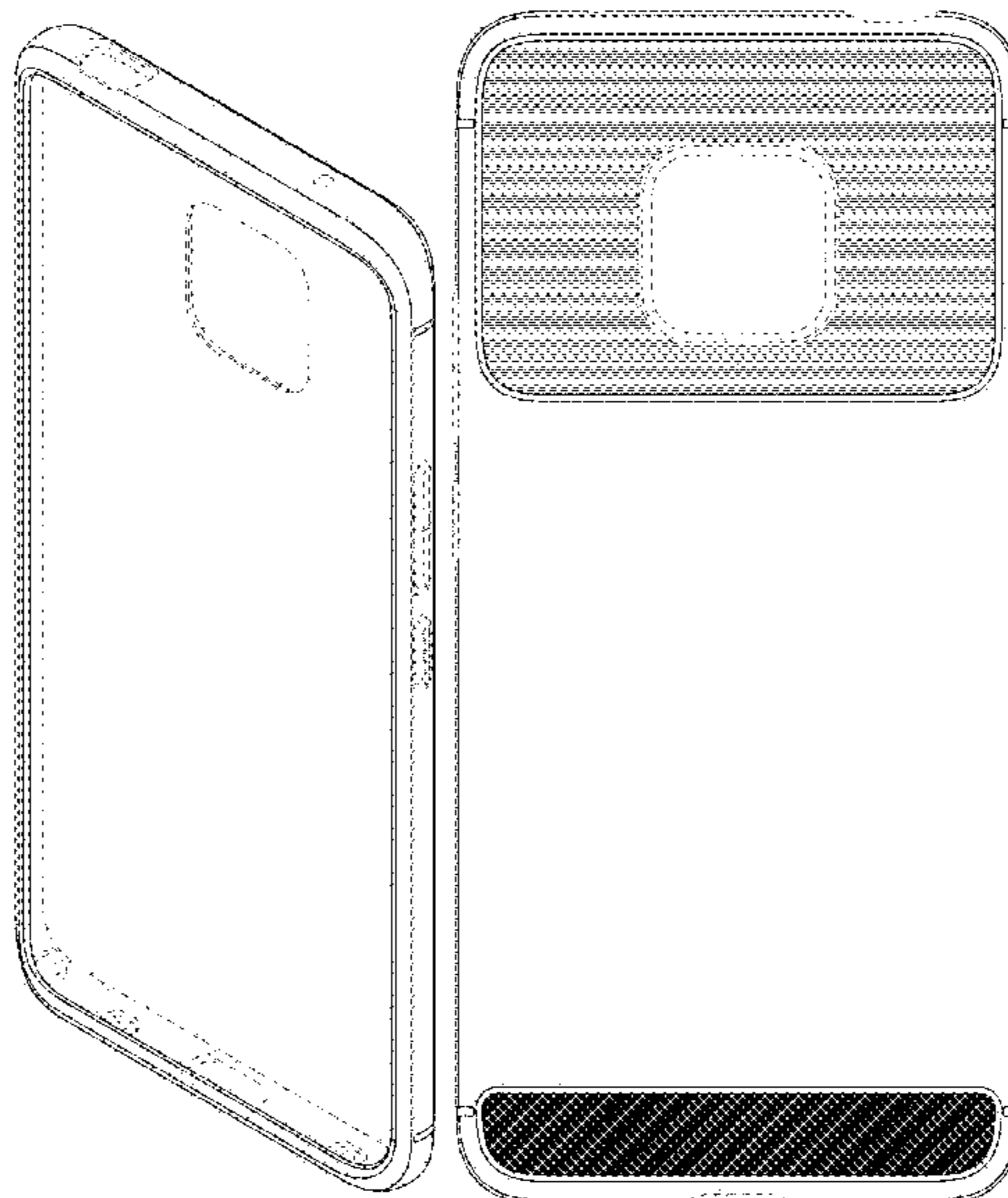
FIG. 9 is an enlarged detail view of the upper encircled region of FIG. 1;

FIG. 10 is an enlarged detail view of the lower encircled region of FIG. 1; and,

FIG. 11 is an enlarged detail view of the encircled region of FIG. 5.

The dot-dash broken line circles in FIGS. 1, 5, 9, and 10, and 11 delineate portions of the case that are part of the claimed design and shown on an enlarged scale in FIGS. 9, 10, and 11. The dashed broken lines, regions bounded by dashed broken lines, and the interior of the case shown in FIGS. 2 and 3 form no part of the claimed design.

**1 Claim, 11 Drawing Sheets**



(56)

## References Cited

| U.S. PATENT DOCUMENTS |                                 |
|-----------------------|---------------------------------|
| D619,361 S            | 7/2010 Andre et al.             |
| D632,685 S            | 2/2011 Richardson               |
| D643,029 S            | 8/2011 Feng                     |
| D644,216 S *          | 8/2011 Richardson ..... D14/250 |
| D646,265 S            | 10/2011 Fathollahi              |
| D648,332 S            | 11/2011 Kim et al.              |
| D650,371 S            | 12/2011 Wibby                   |
| D654,485 S            | 2/2012 Chang et al.             |
| D654,491 S            | 2/2012 Melanson et al.          |
| D655,281 S            | 3/2012 Turocy                   |
| D655,287 S            | 3/2012 de Jong et al.           |
| D657,782 S            | 4/2012 Biller                   |
| D663,297 S            | 7/2012 de Jong et al.           |
| D664,133 S            | 7/2012 Zheng                    |
| D666,824 S *          | 9/2012 Phillips ..... D3/303    |
| D669,071 S            | 10/2012 Akana et al.            |
| D671,930 S            | 12/2012 Akana et al.            |
| D672,739 S *          | 12/2012 Sin ..... D14/138 G     |
| D673,547 S            | 1/2013 Melanson                 |
| D673,940 S *          | 1/2013 Chang ..... D14/250      |
| D674,369 S            | 1/2013 JaeWoong                 |
| D676,036 S            | 2/2013 Chang                    |
| D676,844 S            | 2/2013 Weller                   |
| D677,249 S            | 3/2013 Li                       |
| D678,328 S            | 3/2013 Lee et al.               |
| D678,907 S            | 3/2013 Lee                      |
| D679,271 S            | 4/2013 Liu                      |
| D679,685 S            | 4/2013 Cox                      |
| D679,690 S            | 4/2013 Fahrenedorff et al.      |
| D679,692 S            | 4/2013 Fahrenedorff et al.      |
| D679,697 S            | 4/2013 Murchison                |
| D679,698 S            | 4/2013 Murchison                |
| D681,022 S            | 4/2013 Chang                    |
| D681,615 S            | 5/2013 Fathollahi               |
| D681,617 S            | 5/2013 Weller et al.            |
| D683,340 S            | 5/2013 Chang et al.             |
| D683,723 S            | 6/2013 Murchison                |
| D684,568 S            | 6/2013 Fitzgerald               |
| D684,960 S            | 6/2013 Murchison                |
| D685,357 S *          | 7/2013 Rekuc ..... D14/250      |
| D685,740 S *          | 7/2013 Moore ..... D13/119      |
| D685,776 S            | 7/2013 Bau                      |
| D687,425 S            | 8/2013 Fahrenedorff et al.      |
| D691,122 S            | 10/2013 Bau                     |
| D691,124 S            | 10/2013 Yang                    |
| D691,601 S            | 10/2013 Murchison et al.        |
| D692,418 S            | 10/2013 Fahrenedorff et al.     |
| D697,905 S            | 1/2014 Chang                    |
| D698,767 S            | 2/2014 Son                      |
| D700,174 S            | 2/2014 Li                       |
| D703,652 S            | 4/2014 Melanson                 |
| D704,688 S            | 5/2014 Reivo                    |
| D706,254 S            | 6/2014 Chang                    |
| D712,386 S            | 9/2014 Lu                       |
| D714,273 S            | 9/2014 Kim et al.               |
| D714,274 S            | 9/2014 Jung                     |
| D714,276 S            | 9/2014 Hu                       |
| D716,281 S            | 10/2014 Melanson et al.         |
| D716,282 S            | 10/2014 Melanson et al.         |
| D716,783 S *          | 11/2014 Loncar ..... D14/250    |
| D717,286 S            | 11/2014 Veldkamp                |
| D717,774 S            | 11/2014 Fathollahi              |
| D717,778 S            | 11/2014 Zermeno                 |
| D718,292 S            | 11/2014 Hemesath                |
| D721,065 S            | 1/2015 Yoon                     |
| D721,067 S            | 1/2015 Su                       |
| D721,070 S            | 1/2015 Pickett                  |
| D727,303 S *          | 4/2015 Sin ..... D14/248        |
| D727,883 S            | 4/2015 Brand                    |
| D727,886 S            | 4/2015 Bertrand et al.          |
| 9,004,275 B2          | 4/2015 Lee                      |
| D731,472 S            | 6/2015 Lee                      |
| D731,481 S            | 6/2015 Akana et al.             |
| D732,012 S            | 6/2015 Tsai                     |
| D734,747 S            | 7/2015 Seo et al.               |
| D737,263 S *          | 8/2015 Armstrong ..... D14/250  |
| 9,143,181 B1          | 9/2015 Jia                      |
| D741,845 S            | 10/2015 Kim                     |
| D743,389 S            | 11/2015 Akana                   |
| D746,273 S            | 12/2015 Herbst                  |
| D746,274 S            | 12/2015 Herbst                  |
| D746,275 S            | 12/2015 Mohammad                |
| 9,223,346 B2          | 12/2015 Wilson                  |
| D748,614 S            | 2/2016 Ju                       |
| D749,068 S            | 2/2016 Zaborski et al.          |
| D749,535 S            | 2/2016 Joung et al.             |
| D749,555 S            | 2/2016 Poon et al.              |
| D749,557 S            | 2/2016 Feng                     |
| 9,247,795 B2          | 2/2016 Kim                      |
| D751,058 S            | 3/2016 Cocchia                  |
| 9,288,295 B2          | 3/2016 Ivanovski                |
| 9,293,808 B1          | 3/2016 Roberts                  |
| D753,099 S            | 4/2016 Kim                      |
| D756,340 S            | 5/2016 Babichenko               |
| D756,343 S            | 5/2016 Wall                     |
| D756,909 S            | 5/2016 Gupta                    |
| D756,910 S            | 5/2016 Gupta                    |
| D756,911 S            | 5/2016 Gupta                    |
| D757,699 S            | 5/2016 Lee                      |
| D761,239 S            | 7/2016 Kim                      |
| D762,205 S            | 7/2016 Dang                     |
| D763,241 S            | 8/2016 Kim                      |
| D763,242 S            | 8/2016 Kim                      |
| D763,837 S            | 8/2016 Choe et al.              |
| D763,841 S            | 8/2016 Kim                      |
| D763,842 S            | 8/2016 Chang et al.             |
| D764,476 S            | 8/2016 Gleason, III             |
| D765,067 S            | 8/2016 Choe et al.              |
| D765,627 S            | 9/2016 Watt                     |
| D765,635 S            | 9/2016 Chang et al.             |
| D765,638 S            | 9/2016 Gaylord et al.           |
| D765,640 S            | 9/2016 Bulkley et al.           |
| D765,641 S            | 9/2016 Bulkley et al.           |
| D765,642 S            | 9/2016 Bulkley                  |
| D765,644 S            | 9/2016 Witter                   |
| D765,645 S            | 9/2016 Kim                      |
| D767,485 S            | 9/2016 To et al.                |
| D767,553 S            | 9/2016 Fathollahi               |
| D771,607 S            | 11/2016 Kim                     |
| D771,608 S            | 11/2016 Kim                     |
| D771,611 S            | 11/2016 Chang et al.            |
| D772,209 S            | 11/2016 Kim                     |
| D772,854 S            | 11/2016 Igarashi                |
| D772,858 S            | 11/2016 Hu                      |
| 9,480,318 B2          | 11/2016 Stiehl                  |
| 9,480,319 B2          | 11/2016 Dining et al.           |
| D774,498 S            | 12/2016 Tao                     |
| D775,112 S            | 12/2016 Hemesath                |
| D775,614 S            | 1/2017 Kim                      |
| D776,647 S            | 1/2017 Kim                      |
| D777,157 S            | 1/2017 Kim                      |
| D777,160 S            | 1/2017 Kim                      |
| D777,717 S            | 1/2017 Kim                      |
| D779,470 S            | 2/2017 Kim                      |
| D781,835 S            | 3/2017 Kim et al.               |
| D781,837 S            | 3/2017 Kim                      |
| D781,838 S *          | 3/2017 Kim ..... D14/250        |
| D781,840 S            | 3/2017 Kim et al.               |
| D782,453 S *          | 3/2017 Kim ..... D14/248        |
| D782,457 S            | 3/2017 Park et al.              |
| D783,602 S *          | 4/2017 Akana ..... D14/341      |
| D784,309 S            | 4/2017 Lee et al.               |
| 9,628,133 B2          | 4/2017 Kim                      |
| D785,615 S            | 5/2017 Kim et al.               |
| D786,849 S            | 5/2017 Park et al.              |
| D788,093 S            | 5/2017 Lee et al.               |
| 9,661,116 B1          | 5/2017 Chung                    |
| D792,394 S            | 7/2017 Lee et al.               |
| D795,237 S            | 8/2017 Jung et al.              |
| D797,715 S            | 9/2017 Kim                      |
| D798,286 S            | 9/2017 Roberts et al.           |
| D801,325 S *          | 10/2017 Kim ..... D14/250       |
| D810,064 S            | 2/2018 Kim                      |
| D816,073 S *          | 4/2018 Kim ..... D14/250        |

(56)

## References Cited

## U.S. PATENT DOCUMENTS

|              |      |         |             |       |                          |
|--------------|------|---------|-------------|-------|--------------------------|
| D823,297     | S *  | 7/2018  | Kim         | ..... | D14/250                  |
| D832,833     | S *  | 11/2018 | Kim         | ..... | D14/250                  |
| D836,095     | S *  | 12/2018 | Kim         | ..... | D14/250                  |
| D840,992     | S    | 2/2019  | Kim         |       |                          |
| D844,555     | S *  | 4/2019  | McLean      | ..... | D13/103                  |
| D853,371     | S *  | 7/2019  | Wei         | ..... | D14/250                  |
| D853,372     | S *  | 7/2019  | Kim         | ..... | D14/250                  |
| 2011/0050606 | A1   | 3/2011  | Zhang       |       |                          |
| 2012/0217174 | A1 * | 8/2012  | Ting        | ..... | G06F 1/1628<br>206/45.2  |
| 2014/0357330 | A1   | 12/2014 | Lin         |       |                          |
| 2015/0053583 | A1   | 2/2015  | McCormick   |       |                          |
| 2015/0189963 | A1   | 7/2015  | Lai         |       |                          |
| 2016/0094263 | A1 * | 3/2016  | Fathollahi  | ..... | H04B 1/3888<br>455/575.8 |
| 2016/0101902 | A1   | 4/2016  | Kim         |       |                          |
| 2016/0204817 | A1   | 7/2016  | Kim         |       |                          |
| 2016/0285301 | A1   | 9/2016  | Kim         |       |                          |
| 2017/0123217 | A1   | 5/2017  | Dukerschein |       |                          |

## OTHER PUBLICATIONS

“The best iPhone 7 & 7 Plus cases available now”, <https://9to5mac.com/2016/09/07/best-iphone-7-7-plus-cases-accessories-available-now/>, Earliest review date of Sep. 17, 2016, Downloaded on Mar. 18, 2020.

“Caseology Vault for Google Pixel Case (2016)—Rugged & Flexible—Black”, <https://www.amazon.com/dp/B01MEDIMGS>, Earliest review date of Nov. 10, 2016, Downloaded on Jan. 16, 2020.

“Caseology Vault for Apple iPhone 7 Plus Case (2016)—Rugged Matte Finish—Black”, <https://www.amazon.com/dp/B01N2OCQV4>, Earliest review date of Dec. 16 2016, Downloaded on Jan. 16, 2020.

“Caseology Vault for LG G6 Case (2017)—Rugged Matte Finish—Black”, <https://www.amazon.com/dp/B06W52JLH>, Earliest review date of Mar. 28, 2017, Downloaded on Jan. 16, 2020.

“Caseology Nero Tough for iPhone 8 Plus Case (2017) / iPhone 7 Plus Case (2016)—360 Protection—Black”, <https://www.amazon.com/dp/B07534JMM2>, Earliest review date of Aug. 23, 2017, Downloaded on Nov. 19, 2019.

“Spigen Rugged Armor Galaxy S6 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy S6 2015—Black”, <https://www.amazon.com/dp/B00T6P05ZK>, Earliest review date of Mar. 10, 2015, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy S6 Edge Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Samsung Galaxy S6 Edge (2015)—Black”, <https://www.amazon.com/dp/B00SVCITWO>, Earliest review date of Mar. 13, 2015, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy Note 5 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy Note 5 2015—Black”, <https://www.amazon.com/dp/B010MWFUBY>, Earliest review date of Aug. 23, 2015, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor iPhone 6S Case with Resilient Shock Absorption and Carbon Fiber Design for iPhone 6S/ iPhone 6—Black”, <https://www.amazon.com/dp/B010MVJM5K>, Earliest review date of Sep. 3, 2015, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor iPhone 6S Plus Case with Resilient Shock Absorption and Carbon Fiber Design for iPhone 6S Plus 2015—Black”, <https://www.amazon.com/dp/B010MVR76Q>, Earliest review date of Sep. 7, 2015, Downloaded on Jul. 17, 2018.

“Spigen Tough Armor Tech iPhone 6S Case with Extreme Shock and Drop Protection for Apple iPhone 6 / 6S Gunmetal”, <https://www.amazon.com/Spigen-Tough-iPhone-Extreme-Protection/dp/B013TKNSIS>, Earliest review date of Oct. 3, 2015, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor Samsung Galaxy S7 Case with Resilient Shock Absorption and Carbon Fiber Design for Samsung Galaxy S7 2016—Black”, <https://www.amazon.com/Spigen-Rugged-Designed->

Samsung-Galaxy/dp/B01A7ICWTQ, Earliest review date of Feb. 25, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy S7 Edge Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Samsung Galaxy S7 Edge (2016)—Black”, <https://www.amazon.com/Spigen-Rugged-Designed-Samsung-Galaxy/dp/B01A7IDHOU>, Earliest review date of Feb. 28, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy A5 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy A5 Black”, <https://www.amazon.com/Spigen-Rugged-Designed-Samsung-Galaxy/dp/B018J07A46>, Earliest review date of Mar. 18, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor iPhone SE Case with Resilient Shock Absorption and Carbon Fiber Design for iPhone SE 2016—Black”, <https://www.amazon.com/Spigen-Rugged-iPhone-Resilient-Absorption/dp/B01BEDNUDK>, Earliest review date of Apr. 10, 2016, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor Honor 5X Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei Honor 5X—Black”, <https://www.amazon.com/Spigen-Rugged-Resilient-Absorption-Carbon/dp/B01DJHDXD2>, Earliest review date of May 1, 2016, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor HTC 10 Case with Resilient Shock Absorption and Carbon Fiber Design for HTC 10 2016—Black”, <https://www.amazon.com/dp/B01DAN1T4E>, Earliest review date of May 4, 2016, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Huawei P8 Lite Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P8 Lite (2015)—Black”, <https://www.amazon.com/dp/B01DLODME6>, Earliest review date of Jun. 1, 2016, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor OnePlus 3 Case/OnePlus 3T Case with Resilient Shock Absorption and Carbon Fiber Design for OnePlus 3 2016—Black”, <https://www.amazon.com/dp/B01H3PEWDK>, Earliest review date of Jul. 28, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor iPhone 8 Case / iPhone 7 Case with Resilient Shock Absorption and Carbon Fiber Design for Apple iPhone 8 (2017) / iPhone 7 (2016)—Black”, <https://www.amazon.co.uk/Spigen-Rugged-iPhone-Resilient-Absorption/dp/B01GIVX7TA>, Earliest review date of Aug. 2, 2016, downloaded on Oct. 24, 2018.

“Spigen Rugged Armor iPhone 8 Plus/iPhone 7 Plus Case with Resilient Shock Absorption and Carbon Fiber Design for Apple iPhone 8 Plus (2017)/iPhone 7 Plus (2016)—Black”, <https://www.amazon.com/dp/B01GIWGAAC>, Earliest review date of Sep. 2, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Huawei P9 Lite Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P9 Lite—Black”, <https://www.amazon.com/B01DLODJGM>, Earliest review date of Sep. 6, 2016, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor iPhone 8 Case/iPhone 7 Case with Resilient Shock Absorption and Carbon Fiber Design for Apple iPhone 8 (2017)/iPhone 7 (2016)—Black”, <https://www.amazon.com/dp/B01GIVX7TA>, Earliest review date of Sep. 11, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Google Pixel XI Case with Resilient Shock Absorption and Carbon Fiber Design for Google Pixel XL 2016—Black”, <https://www.amazon.com/dp/B01M1EEXWJ>, Earliest review date of Oct. 2, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor LG V20 Case with Resilient Shock Absorption and Carbon Fiber Design for LG V20 2016 Black”, <https://www.amazon.com/dp/B01MOHW9P4>, Earliest review date of Oct. 19, 2016, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Honor 8 Case with Resilient Shock Absorption for Huawei Honor 8 2016—Black”, <https://www.amazon.com/dp/B01LXTROW1>, Earliest review date of Oct. 20, 2016, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Moto Z Droid Case with Resilient Shock Absorption and Carbon Fiber Design for Moto Z Droid 2016—Black”, <https://www.amazon.com/dp/B01HCACIMBQ>, Earliest review date of Dec. 9, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy A3 2016 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy A3 2016—Black”,

(56)

## References Cited

## OTHER PUBLICATIONS

<https://www.amazon.com/Spigen-Rugged-Armor-Samsung-Galaxy/dp/B01HFMYLIC>, Earliest review late of Dec. 18, 2016, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor ZenFone 3 Max Case (ZC520TL) with Resilient Shock Absorption and Carbon Fiber Design for Asus ZenFone 3 Max (ZC520TL)—Black”, <https://www.amazon.com/dp/B01MSDJ07C>, Earliest review date of Mar. 3, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Extra Designed for LG G6 Case (2017) / Designed for Lg G6 Plus (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Resilient-Absorption-Carbon/dp/B01N6T9PHS>, Earliest review date of Mar. 28, 2017, Downloaded on Jan. 9, 2020.

“Spigen Rugged Armor LG G6 Case/G6 Plus Case with Resilient Shock Absorption and Carbon Fiber Design for LG 36/G6 Plus (2017)—Black”, <https://www.amazon.com/dp/B01MUCZILA>, Earliest review date of Mar. 30, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Galaxy S8 Plus Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy S8 Plus (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Designed-Samsung-Galaxy/dp/B06XNW4ZVJ>, Earliest review date of Apr. 3, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy S8 Case with Resilient Shock Absorption and Carbon Fiber Design for Samsung Galaxy S8 (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Designed-Samsung-Galaxy/dp/B06XNNJ4KM>, Earliest review date of Apr. 7, 2017, Downloaded on Jul. 17, 2018.

Spigen, “Spigen Rugged Armor Extra”, <https://www.youtube.com/watch?v=ILUEjn1P2hk>, Published May 26, 2017, downloaded on Jan. 9, 2020.

“Spigen Rugged Armor Huawei P10 Plus Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P10 Plus(2017)—Rugged Armor”, <https://www.amazon.com/dp/B06XFZW779>, Earliest review date of May 26, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Galaxy J7 2017 Case, J7 Prime, J7 2017(AT &T), J7 Sky Pro, J7 Perx case with Resilient Shock Absorption and Carbon Fiber Design for Samsung Galaxy J7 V 2017—Black”, <https://www.amazon.com/Spigen-Rugged-Resilient-Absorption-Samsung/dp/B06WRRF36B>, Earliest review date of May 31, 2017, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor Huawei P10 Lite Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P10 Lite (2017)—Black”, <https://www.amazon.com/dp/B06XCNQ3S4>, Earliest review date of Jun. 7, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Huawei P10 Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P10 (2017)—Black”, <https://www.amazon.com/dp/B06XCTQR1W>, Earliest review date of Jun. 8, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor HTC U11 Case with Resilient Shock Absorption and Carbon Fiber Design for HTC U 11 (2017)—Black”, <https://www.amazon.com/dp/B07234FLGX>, Earliest review date of Jun. 17, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Huawei P8 Lite 2017 Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei P8 Lite (2017)/nova lite/P9 lite 2017/Honor 8 lite—Black”, <https://www.amazon.com/dp/B06XFVXMLN>, Earliest review date of Jun. 24, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Extra Galaxy Temp Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy Temp (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Galaxy-Resilient-Absorption/dp/B01MTEQVNB>, Earliest review date of Jul. 6, 2017, downloaded on Jan. 9, 2020.

“Spigen Rugged Armor Sony Xperia XZ Premium Case with Resilient Shock Absorption and Carbon Fiber Design for Sony Xperia XZ Premium (2017)—Black”, <https://www.amazon.com/dp/B072PRXPQC>, Earliest review date of Jul. 14, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor OnePlus 5 Case with Resilient Shock Absorption and Carbon Fiber Design for OnePlus 5 (2017)—

Black”, <https://www.amazon.com/dp/B06XG19W3G>, Earliest review date of Jul. 25, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Moto Z2 Play Case with Resilient Shock Absorption and Carbon Fiber Design for Moto Z2 Play Black”, <https://www.amazon.com/dp/B071WR4H9V>, Earliest review date of Jul. 27, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy Note 8 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy Note 3 (2017)—Matte Black”, <https://www.amazon.com/Spigen-Rugged-Galaxy-Resilient-Absorption/dp/B073RWJ6Z7>, Earliest review date of Aug. 26, 2017, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor Galaxy Note 8 Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy Note 3 (2017)—Matte Black”, <https://www.amazon.com/Spigen-Rugged-Designed-Samsung-Galaxy/dp/B073RWJ6Z7>, Earliest review date of Aug. 26, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Moto E4 Case with Resilient Shock Absorption and Carbon Fiber Design for Moto E4 (2017) Black”, <https://www.amazon.com/Spigen-Rugged-Armor-Designed-Motorolaidp/B073RVC6YY>, Earliest review date of Sep. 5, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Extra Designed for Apple iPhone 7 Case (2016)—Black”, <https://www.amazon.com/Spigen-Rugged-iPhone-Resilient-Absorption/dp/B06XC8WL7P>, Earliest review date of Sep. 7, 2017, downloaded on Jan. 9, 2020.

“Spigen Rugged Armor Moto Z2 Force Case with Resilient Shock Absorption and Carbon Fiber Design for Moto Z2 Force (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Resilient-Absorption-Carbon/dp/B074BCC6K7>, Earliest review date of Sep. 23, 2017, downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Designed for Apple iPhone XS Case (2018) / Designed for Apple iPhone X Case (2017)—Matte Black”, <https://www.amazon.com/Spigen-Rugged-Armor-Designed-iPhone/dp/B074CNF6YW>, Earliest review date of Sep. 28, 2017, Downloaded on Jan. 15, 2019.

“Spigen Rugged Armor iPhone X Case with Resilient Shock Absorption and Carbon Fiber Design for Apple iPhone X (2017)—Matte Black”, <https://www.amazon.com/dp/B074CNF6YW>, Earliest review date of Sep. 28, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor LG V30 with Resilient Shock Absorption and Carbon Fiber Design for LG V30 (2017)—Black”, <https://www.amazon.com/dp/B071JV1L9Z>, Earliest review date of Oct. 15, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Google Pixel 2 Case with Resilient Shock Absorption and Carbon Fiber Design for Google Pixel 2 (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Google-Resilient-Absorption/dp/B07471C38C>, Earliest review date of Oct. 10, 2017, Downloaded on Jan. 5, 2019.

“Spigen Rugged Armor Google Pixel 2 Case with Resilient Shock Absorption and Carbon Fiber Design for Google Pixel 2 (2017)—Black”, <https://www.amazon.com/dp/B07471C38C>, Earliest review date of Oct. 10, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Google Pixel 2 XL Case with Resilient Shock Absorption and Carbon Fiber Design for Google Pixel 2 XL (2017)—Black”, <https://www.amazon.com/Spigen-Rugged-Google-Resilient-Absorption/dp/B07475TXJ0>, Earliest review date of Oct. 11, 2017, Downloaded on Jan. 5, 2019.

“Spigen Rugged Armor Moto X4 Case with Resilient Shock Absorption and Carbon Fiber Design for Moto X4—Black”, <https://www.amazon.com/dp/B072N3WT4J>, Earliest review date of Oct. 22, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy A8 (2016) Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy A8 (2016)—Black”, <https://www.amazon.com/dp/B01M26EX8X>, Earliest review date of Oct. 25, 2017, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor ZTE Axon 7 Case with Resilient Shock Absorption and Carbon Fiber Design for ZTE Axon 7—Black”, <https://www.amazon.com/dp/B01DCS2BQW>, Earliest review date of Nov. 22, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Sony Xperia XZ1 Case with Resilient Shock Absorption and Carbon Fiber Design for Sony Xperia XZ1 (2017)—Black”, <https://www.amazon.com/dp/B075DRB8TX>, Earliest review date of Nov. 22, 2017, Downloaded on Jul. 18, 2018.

(56)

**References Cited**

## OTHER PUBLICATIONS

“Spigen Rugged Armor Huawei Honor 7X Case/Huawei Mate SE Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei Honor 7X (2017)/Huawei Mate Se (2018)—Black”, <https://www.amazon.com/dp/B076V3D2F5>, Earliest review date of Dec. 19, 2017, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor OnePlus 5T Case with Resilient Shock Absorption and Carbon Fiber Design for OnePlus 5T (2017)—Black”, <https://www.amazon.com/dp/B077H6RVD6>, Earliest review date of Dec. 25, 2017, Downloaded on Jan. 17, 2018.

“Spigen Rugged Armor Honor 9 Case with Resilient Shock Absorption and Carbon Fiber Design for Honor 9—Black”, <https://www.amazon.com/dp/B071GPHBFF>, Earliest review date of Jan. 21, 2018, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Galaxy J3 Prime case/Galaxy J3 Luna Pro case/Galaxy J3 Emerge Case with Resilient Shock Absorption and Carbon Fiber Design for Galaxy J3 Emerge/Galaxy J3/J3 2017—Black”, <https://www.amazon.com/dp/B0746RC5BJ>, Earliest review date of Jan. 5, 2018, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Honor 5X Case with Resilient Shock Absorption and Carbon Fiber Design for Huawei Honor 5X—Black”,

<https://www.amazon.com/dp/B01DJHHD2>, Earliest review date of Jan. 22, 2018, Downloaded on Jul. 18, 2018.

“Spigen Rugged Armor Razer Phone Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Razer Phone (2017)—Black”, <https://www.amazon.com/dp/B078KJQH5V>, Earliest review date of Feb. 8, 2018, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy S9 Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Samsung Galaxy S9 (2018)—Matte Black”, <https://www.amazon.com/dp/B078BJQMPG>, Earliest review date of Mar. 3, 2018, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Galaxy S9 Plus Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Samsung Galaxy S9 Plus (2018)—Matte Black”, <https://www.amazon.com/dp/B0789S2MPW>, Earliest review date of Mar. 9, 2018, Downloaded on Jul. 17, 2018.

“Spigen Rugged Armor Mi A1 /Mi 5X Case with Flexible and Durable Shock Absorption with Carbon Fiber Design for Kiaomi Mi A1 /Mi Sx (2017)—Black”, <https://www.amazon.com/dp/B078Z531CZ>, Earliest review date of Mar. 19, 2018, Downloaded on Jul. 18, 2018.

\* cited by examiner

FIG. 1

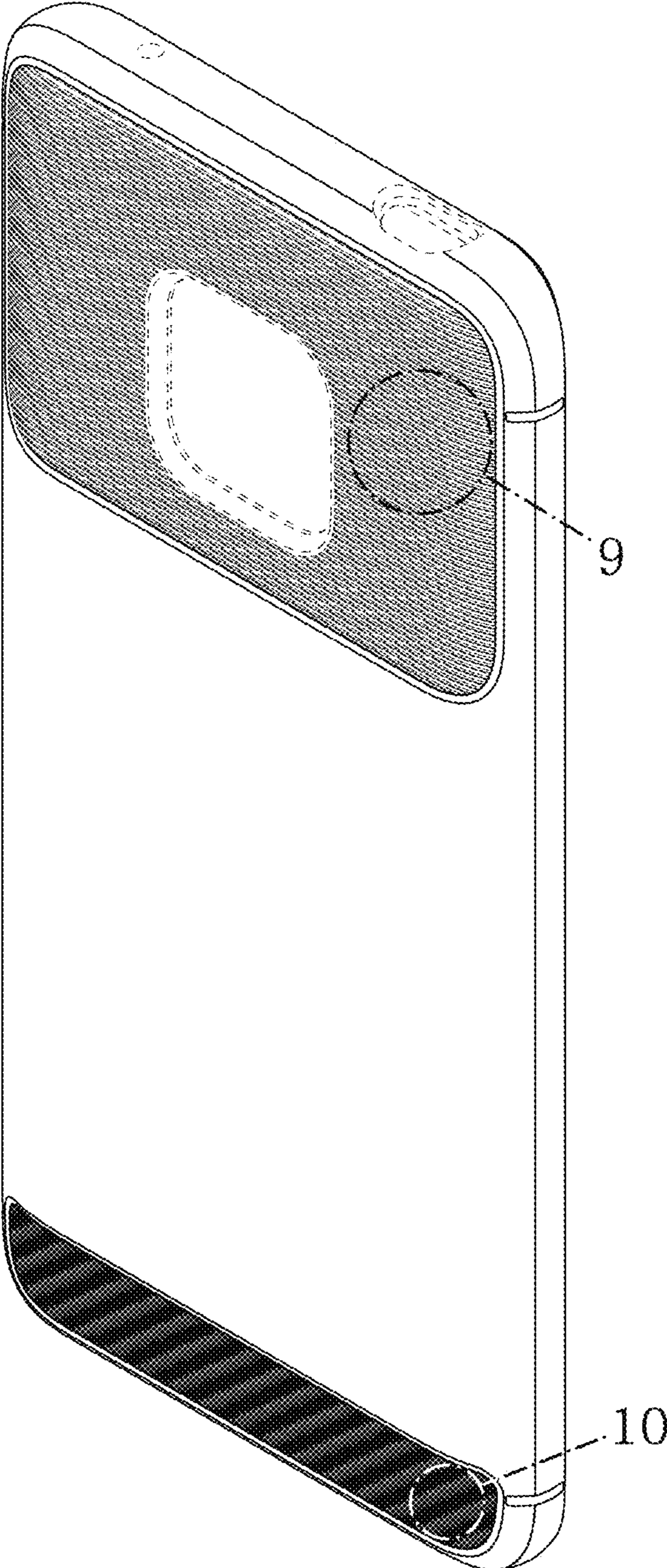


FIG. 2

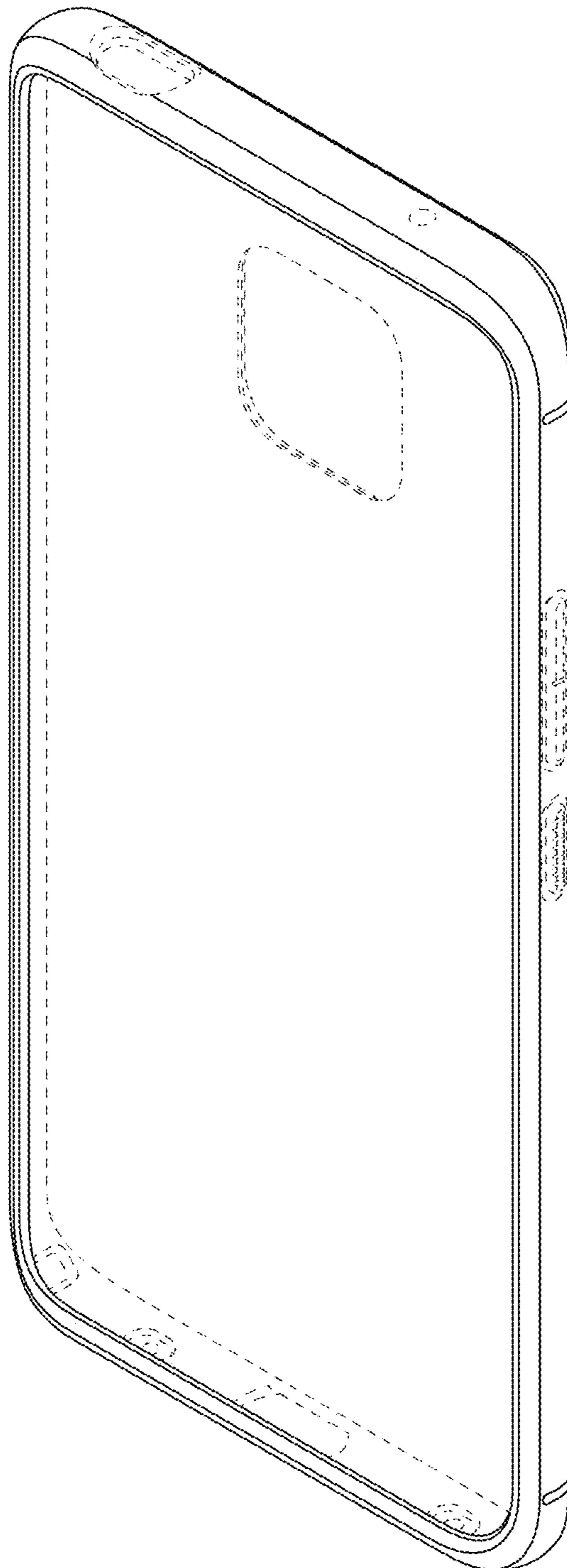


FIG. 3

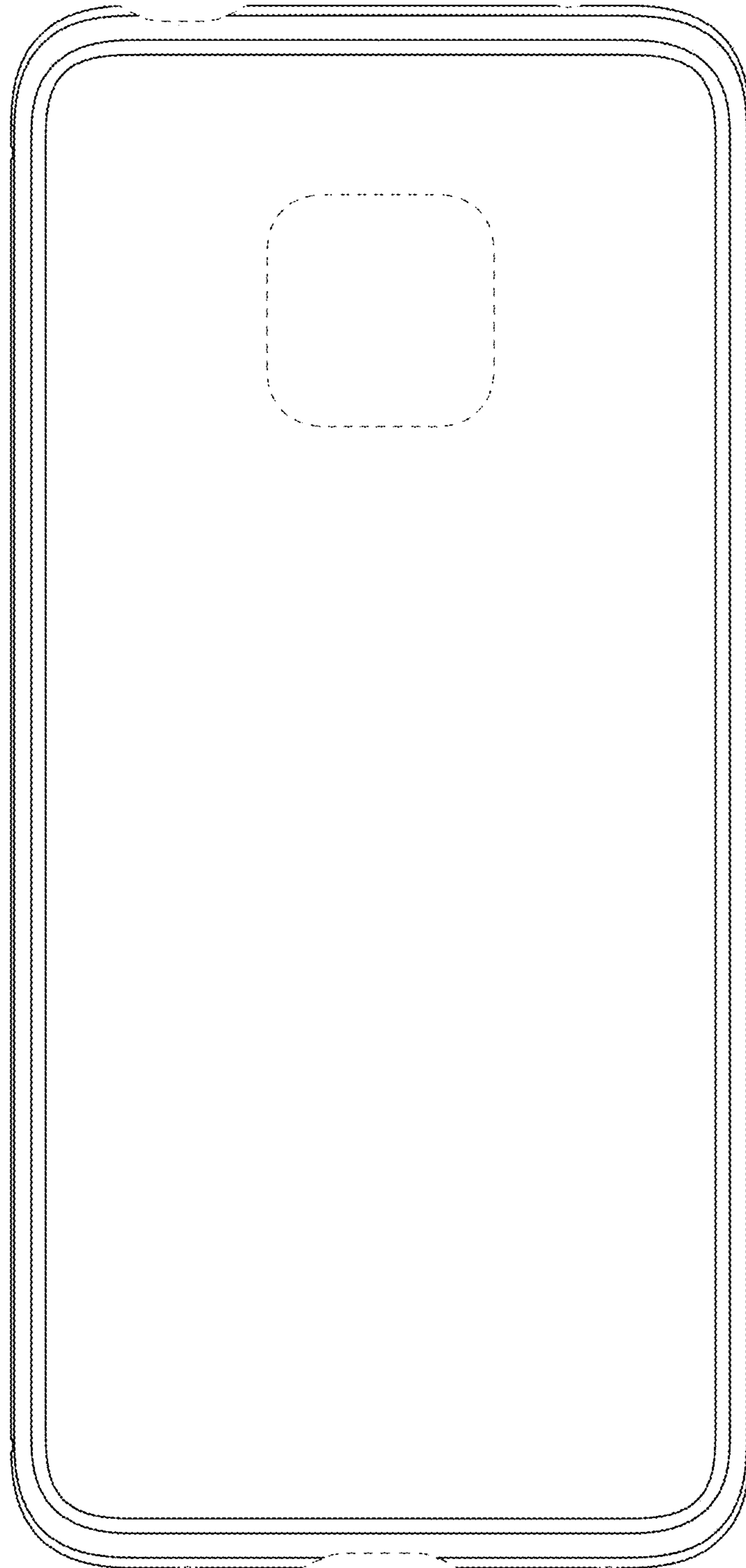




FIG. 4

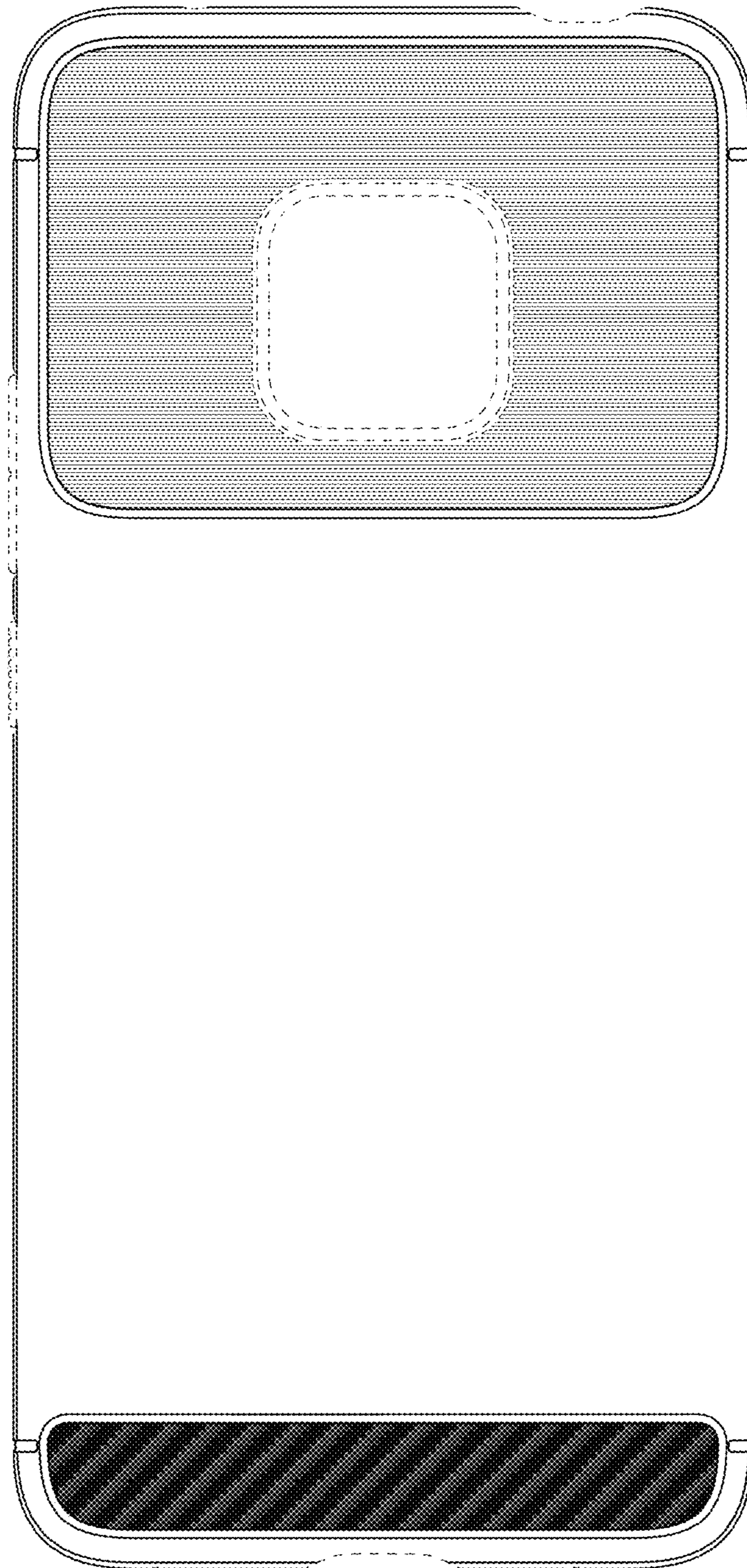


FIG. 5

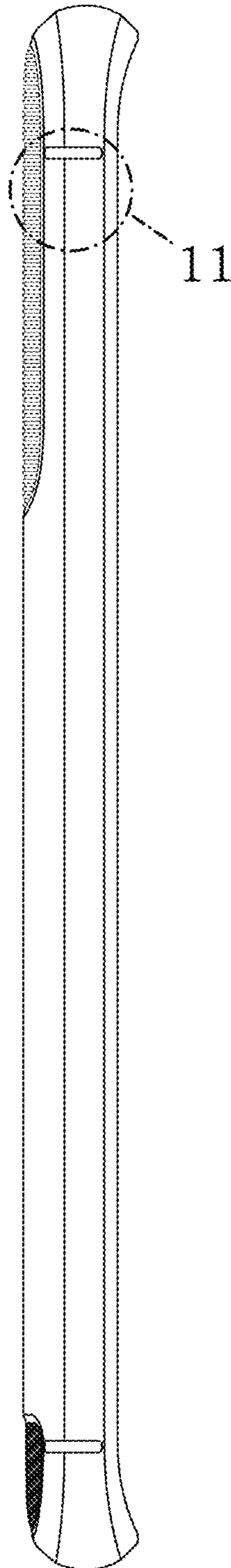


FIG. 6

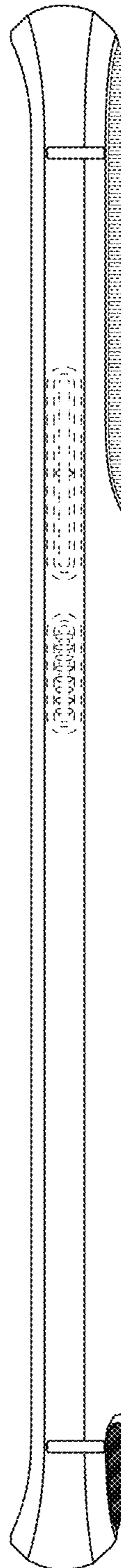


FIG. 7

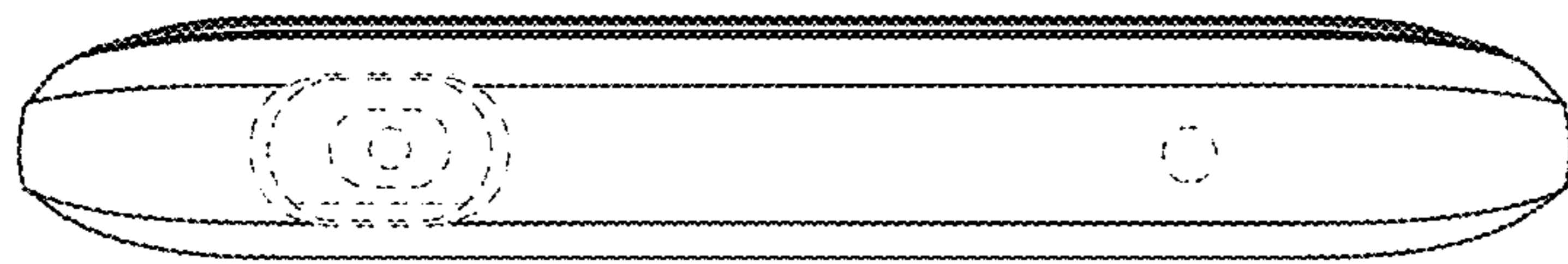


FIG. 8

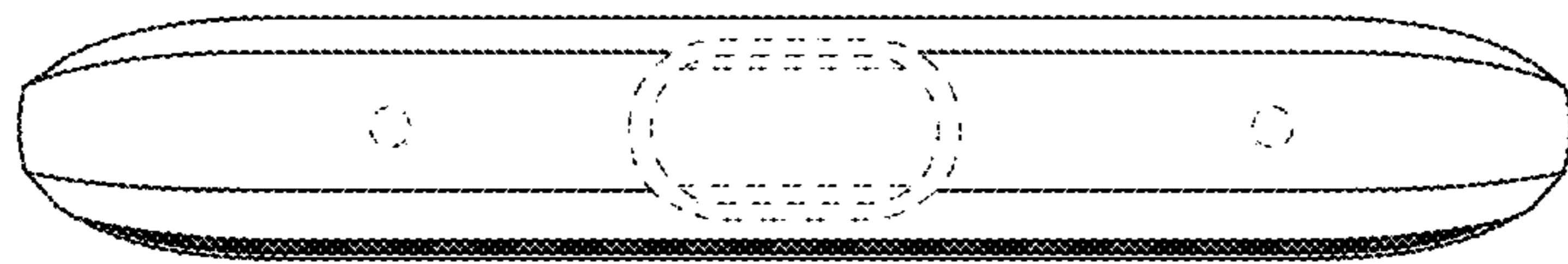


FIG. 9

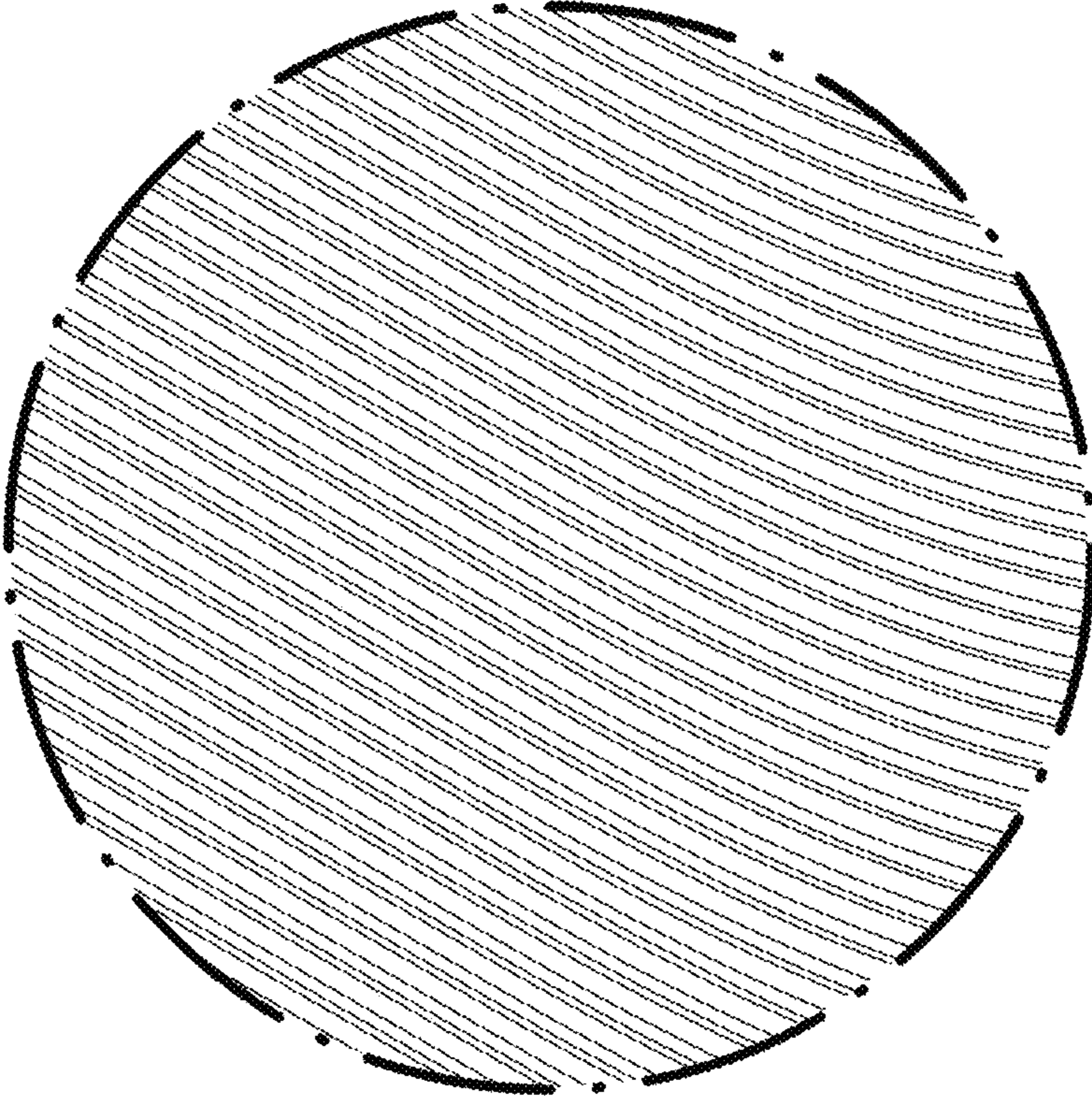


FIG. 10

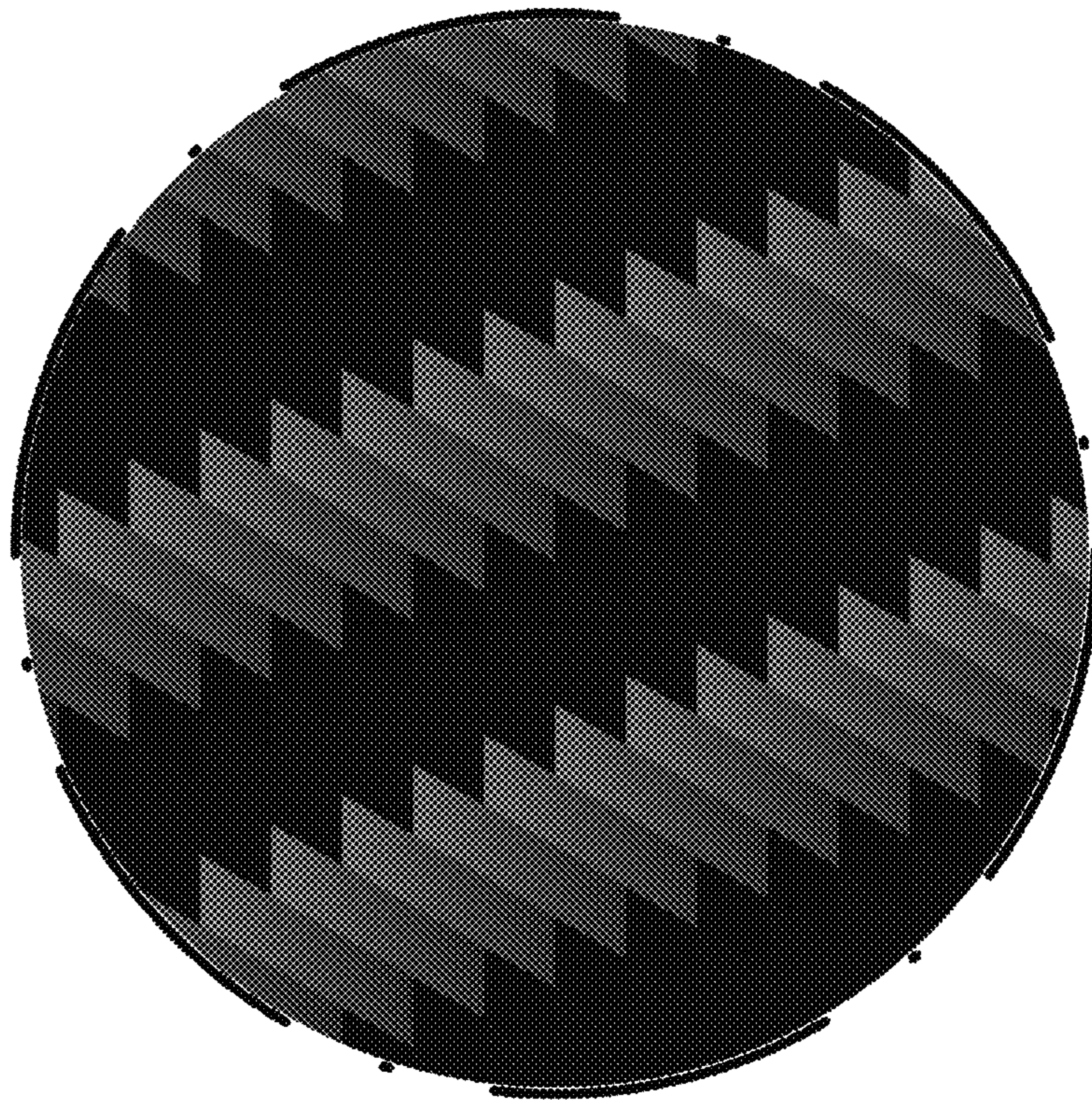


FIG. 11

