



US00D887113S

(12) **United States Design Patent** (10) **Patent No.:** **US D887,113 S**  
**Girard et al.** (45) **Date of Patent:** **\*\* Jun. 16, 2020**

(54) **SHOE**

(71) Applicant: **PUMA SE**, Herzogenaurach (DE)  
 (72) Inventors: **Romain Girard**, Lauf an der Pegnitz (DE); **Matthias Hartmann**, Forchheim (DE)

(73) Assignee: **PUMA SE**, Herzogenaurach (DE)

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

(21) Appl. No.: **29/667,509**

(22) Filed: **Oct. 23, 2018**

**Related U.S. Application Data**

(62) Division of application No. 29/594,703, filed on Feb. 22, 2017, now Pat. No. Des. 850,766.

(30) **Foreign Application Priority Data**

Jan. 17, 2017 (EM) ..... 003649060

(51) **LOC (12) Cl.** ..... **02-04**

(52) **U.S. Cl.**  
USPC ..... **D2/947; D2/952**

(58) **Field of Classification Search**  
 USPC ..... D2/902, 906, 908, 916, 918, 925,  
 D2/946-962, 977; 36/3 B, 22 R, 24.5,  
 36/25 R, 28, 32 R, 34 R, 59 C, 67 A, 103  
 CPC ..... A43B 13/00; A43B 13/02; A43B 13/023;  
 A43B 13/026; A43B 13/04; A43B 13/08;  
 A43B 13/10; A43B 13/12; A43B 13/14;  
 A43B 13/141; A43B 13/143; A43B  
 13/16; A43B 13/18; A43B 13/181; A43B  
 13/187;

(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,433,309 A 10/1922 Stimpson  
 D84,646 S 7/1931 Murray  
 (Continued)

**FOREIGN PATENT DOCUMENTS**

DE 102011108744 A1 1/2013  
 DM 102274006 7/2018

(Continued)

**OTHER PUBLICATIONS**

Notice of Reasons for Refusal issued in corresponding Japanese Application No. 2018-526089, dated Nov. 5, 2019, 12 pshrd.

(Continued)

*Primary Examiner* — T Chase Nelson

(74) *Attorney, Agent, or Firm* — Quarles & Brady LLP

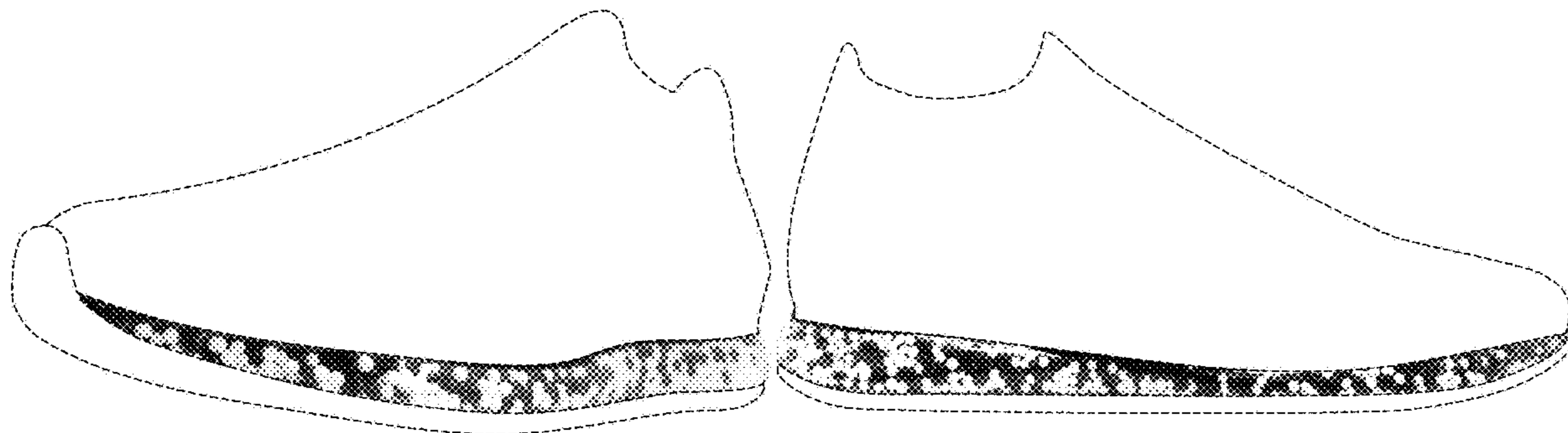
(57) **CLAIM**

The ornamental design for a shoe, as shown and described.

**DESCRIPTION**

FIG. 1 is a top right front perspective view of the shoe showing a first embodiment of our new design;  
 FIG. 2 is a bottom plan view thereof;  
 FIG. 3 is a rear elevational view thereof;  
 FIG. 4 is a front elevational view thereof;  
 FIG. 5 is a right side elevational view thereof;  
 FIG. 6 is a left side elevational view thereof; and  
 FIG. 7 is a top plan view thereof;  
 FIG. 8 is a top right front perspective view of the shoe showing a second embodiment of our new design;  
 FIG. 9 is a bottom plan view thereof;  
 FIG. 10 is a top rear perspective view thereof;  
 FIG. 11 is a top front perspective view thereof;  
 FIG. 12 is a top right side perspective view thereof;  
 FIG. 13 is a top left side perspective view thereof; and,  
 FIG. 14 is a top plan view thereof.  
 The broken lines depict portions of the shoe that form no part of the claimed design.

**1 Claim, 14 Drawing Sheets**



- (58) **Field of Classification Search**  
 CPC ..... A43B 13/189; A43B 13/20; A43B 13/22;  
 A43B 13/223; A43B 13/24; A43B 13/28;  
 A43B 13/30; A43B 13/32; A43B 13/34;  
 A43B 13/36

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

|               |         |                                       |
|---------------|---------|---------------------------------------|
| D86,958 S     | 5/1932  | Hakim                                 |
| D90,233 S     | 7/1933  | Daniels                               |
| D92,670 S     | 7/1934  | Murray                                |
| D97,945 S     | 12/1935 | Lutz                                  |
| D171,331 S    | 1/1954  | Haines et al.                         |
| D206,222 S    | 11/1966 | Mostile                               |
| 3,469,576 A   | 9/1969  | Smith                                 |
| 3,573,155 A   | 3/1971  | Mitchell                              |
| 3,629,051 A   | 12/1971 | Mitchell                              |
| 3,971,839 A   | 7/1976  | Taylor                                |
| 4,089,069 A * | 5/1978  | Vistins ..... A41D 19/0065<br>2/161.8 |
| 4,112,599 A   | 9/1978  | Krippelz                              |
| D255,171 S    | 6/1980  | Bowers                                |
| D255,286 S    | 6/1980  | Fuzita                                |
| D256,067 S    | 7/1980  | Hagg et al.                           |
| D265,017 S    | 6/1982  | Vermonet                              |
| D265,437 S    | 7/1982  | Vermonet                              |
| D272,963 S    | 3/1984  | Muller et al.                         |
| D274,956 S    | 8/1984  | Saruwatari                            |
| 4,658,515 A   | 4/1987  | Oatman                                |
| D290,182 S    | 6/1987  | Chen                                  |
| D293,271 S    | 12/1987 | Lussier                               |
| D293,275 S    | 12/1987 | Bua                                   |
| D295,917 S    | 5/1988  | Brown et al.                          |
| D296,039 S    | 6/1988  | Diaz                                  |
| D296,149 S    | 6/1988  | Diaz                                  |
| D296,954 S    | 8/1988  | Tong                                  |
| D297,682 S    | 9/1988  | Le                                    |
| D298,582 S    | 11/1988 | Caire                                 |
| D299,581 S    | 1/1989  | Friedenberg                           |
| D304,520 S    | 11/1989 | Clark                                 |
| D304,521 S    | 11/1989 | Clark                                 |
| D306,793 S    | 3/1990  | Schwartz                              |
| D307,971 S    | 5/1990  | Maccano et al.                        |
| D310,293 S    | 9/1990  | Sema et al.                           |
| D311,989 S    | 11/1990 | Parker et al.                         |
| D320,689 S    | 10/1991 | Smith                                 |
| D321,589 S    | 11/1991 | Merk et al.                           |
| D321,973 S    | 12/1991 | Hatfield                              |
| D324,762 S    | 3/1992  | Hatfield                              |
| D324,940 S    | 3/1992  | Claveria                              |
| D329,528 S    | 9/1992  | Hatfield                              |
| D330,627 S    | 11/1992 | Frachey et al.                        |
| D330,629 S    | 11/1992 | Bramani                               |
| D337,650 S    | 7/1993  | Thomas, III et al.                    |
| D339,447 S    | 9/1993  | McDonald                              |
| D339,448 S    | 9/1993  | Teague                                |
| D339,675 S    | 9/1993  | Austin                                |
| D340,349 S    | 10/1993 | Kilgore et al.                        |
| D340,350 S    | 10/1993 | Kilgore et al.                        |
| D340,797 S    | 11/1993 | Pallera et al.                        |
| D343,044 S    | 1/1994  | Kilgore et al.                        |
| 5,313,717 A   | 5/1994  | Allen et al.                          |
| 5,329,705 A   | 7/1994  | Grim et al.                           |
| D350,013 S    | 8/1994  | Gitelman                              |
| D350,222 S    | 9/1994  | Hase                                  |
| 5,383,290 A   | 1/1995  | Grim                                  |
| D356,438 S    | 3/1995  | Opie et al.                           |
| D356,885 S    | 4/1995  | Poole, Jr.                            |
| D362,956 S    | 10/1995 | Martin et al.                         |
| D365,920 S    | 1/1996  | Schneider                             |
| D366,955 S    | 2/1996  | Valle                                 |
| D373,896 S    | 9/1996  | Parker                                |
| 5,575,088 A   | 11/1996 | Allen et al.                          |
| 5,607,749 A   | 3/1997  | Strumor                               |
| D386,589 S    | 11/1997 | Cass                                  |

|              |         |                    |
|--------------|---------|--------------------|
| D389,991 S   | 2/1998  | Elliott            |
| D390,349 S   | 2/1998  | Murai et al.       |
| D395,738 S   | 7/1998  | Hatfield et al.    |
| D396,341 S   | 7/1998  | Lozano et al.      |
| D397,236 S   | 8/1998  | Wilmot             |
| D399,041 S   | 10/1998 | Teague             |
| D405,595 S   | 2/1999  | Kayano             |
| D414,920 S   | 10/1999 | Cahill             |
| D415,607 S   | 10/1999 | Merceron           |
| D415,610 S   | 10/1999 | Cahill             |
| D415,876 S   | 11/1999 | Cahill             |
| D416,669 S   | 11/1999 | Parr et al.        |
| D423,199 S   | 4/2000  | Cahill             |
| D426,053 S   | 6/2000  | Santa              |
| 6,076,283 A  | 6/2000  | Boie               |
| D429,874 S   | 8/2000  | Gumbert            |
| D431,346 S   | 10/2000 | Birkenstock        |
| D442,767 S   | 5/2001  | Della Valle        |
| D444,620 S   | 7/2001  | Della Valle        |
| D446,002 S   | 8/2001  | Leong et al.       |
| D448,544 S   | 10/2001 | Della Valle        |
| D460,852 S   | 7/2002  | Daudier            |
| D470,296 S   | 2/2003  | Masullo            |
| D479,643 S   | 9/2003  | O'Shea et al.      |
| D482,851 S   | 12/2003 | McClaskie          |
| D483,932 S   | 12/2003 | Cooper             |
| D485,973 S   | 2/2004  | Adams              |
| D490,223 S   | 5/2004  | McClaskie          |
| D492,101 S   | 6/2004  | Issler             |
| D492,475 S   | 7/2004  | Adams              |
| D494,343 S   | 8/2004  | Morris             |
| 6,782,640 B2 | 8/2004  | Westin             |
| D495,861 S   | 9/2004  | Georgiou et al.    |
| D496,149 S   | 9/2004  | Belley et al.      |
| 6,817,113 B2 | 11/2004 | Pan                |
| 6,848,200 B1 | 2/2005  | Westin             |
| D509,649 S   | 9/2005  | McClaskie          |
| 6,948,264 B1 | 9/2005  | Lyden              |
| 6,957,504 B2 | 10/2005 | Morris             |
| D511,037 S   | 11/2005 | Della Valle        |
| D511,610 S   | 11/2005 | Della Valle        |
| D512,208 S   | 12/2005 | Kubo et al.        |
| D513,836 S   | 1/2006  | Magro et al.       |
| D515,297 S   | 2/2006  | Acheson            |
| 7,086,179 B2 | 8/2006  | Dojan et al.       |
| 7,086,180 B2 | 8/2006  | Dojan et al.       |
| 7,100,310 B2 | 9/2006  | Foxen et al.       |
| 7,141,131 B2 | 11/2006 | Foxen et al.       |
| D540,517 S   | 4/2007  | McClaskie          |
| D548,435 S   | 8/2007  | McClaskie          |
| D549,934 S   | 9/2007  | Horne et al.       |
| D551,831 S   | 10/2007 | Romero-Sanchez     |
| D556,982 S   | 12/2007 | Harper et al.      |
| D560,883 S   | 2/2008  | McClaskie          |
| D561,433 S   | 2/2008  | McClaskie          |
| D566,934 S   | 4/2008  | Della Valle        |
| D570,581 S   | 6/2008  | Polegato Moretti   |
| D571,085 S   | 6/2008  | McClaskie          |
| D571,987 S   | 7/2008  | Della Valle        |
| D572,440 S   | 7/2008  | Polegato Moretti   |
| D572,441 S   | 7/2008  | Moretti            |
| D572,442 S   | 7/2008  | Polegato Moretti   |
| 7,401,420 B2 | 7/2008  | Dojan et al.       |
| D576,380 S   | 9/2008  | Morris             |
| D576,780 S   | 9/2008  | Jolicoeur          |
| D586,090 S   | 2/2009  | Turner et al.      |
| 7,484,318 B2 | 2/2009  | Finkelstein        |
| D590,140 S   | 4/2009  | Della Valle        |
| D591,494 S   | 5/2009  | Jolicoeur          |
| D591,938 S   | 5/2009  | Beauger            |
| D595,489 S   | 7/2009  | McClaskie          |
| D596,384 S   | 7/2009  | Andersen et al.    |
| 7,555,848 B2 | 7/2009  | Aveni et al.       |
| 7,556,846 B2 | 7/2009  | Dojan et al.       |
| 7,559,107 B2 | 7/2009  | Dojan et al.       |
| 7,562,469 B2 | 7/2009  | Dojan              |
| D597,286 S   | 8/2009  | Della Valle et al. |
| D597,293 S   | 8/2009  | Banik et al.       |
| D599,091 S   | 9/2009  | Della Valle et al. |

(56)

**References Cited**

U.S. PATENT DOCUMENTS

|              |         |                     |                        |                |         |                             |
|--------------|---------|---------------------|------------------------|----------------|---------|-----------------------------|
| D599,993 S   | 9/2009  | Issler              |                        | D773,161 S     | 12/2016 | Teteriatnikov               |
| D601,333 S   | 10/2009 | McClaskie           |                        | D773,790 S     | 12/2016 | Raysse                      |
| D603,151 S   | 11/2009 | Roundhouse          |                        | D773,791 S     | 12/2016 | Raysse                      |
| D604,033 S   | 11/2009 | Feldman             |                        | D776,410 S     | 1/2017  | Galway et al.               |
| D607,190 S * | 1/2010  | McClaskie .....     | D2/951                 | D781,543 S     | 3/2017  | Raysse                      |
| D608,997 S * | 2/2010  | Loverin .....       | D2/951                 | D782,793 S     | 4/2017  | Truelsen                    |
| 7,665,230 B2 | 2/2010  | Dojan et al.        |                        | D783,247 S     | 4/2017  | McMillan                    |
| D610,788 S   | 3/2010  | Della Valle         |                        | D783,974 S     | 4/2017  | McMillan                    |
| D611,233 S   | 3/2010  | Della Valle et al.  |                        | 9,610,746 B2   | 4/2017  | Wardlaw et al.              |
| 7,676,955 B2 | 3/2010  | Dojan et al.        |                        | D790,179 S     | 6/2017  | McMillan                    |
| 7,676,956 B2 | 3/2010  | Dojan et al.        |                        | 9,682,522 B2   | 6/2017  | Baghdadi et al.             |
| D616,183 S   | 5/2010  | Skaja               |                        | D790,817 S     | 7/2017  | Perkins et al.              |
| D616,640 S   | 6/2010  | Werman              |                        | D791,452 S     | 7/2017  | Dombrow                     |
| D617,540 S   | 6/2010  | McClaskie           |                        | D792,067 S     | 7/2017  | Raysse                      |
| D624,291 S   | 9/2010  | Henderson           |                        | D793,053 S     | 8/2017  | Cin                         |
| D625,499 S   | 10/2010 | Della Valle et al.  |                        | D793,680 S     | 8/2017  | Lee                         |
| 7,805,859 B2 | 10/2010 | Finkelstein         |                        | D793,688 S     | 8/2017  | Avar et al.                 |
| D626,321 S   | 11/2010 | Cagner              |                        | D794,289 S     | 8/2017  | Kanata                      |
| D629,185 S   | 12/2010 | Vico et al.         |                        | D794,300 S     | 8/2017  | Rosen                       |
| D631,237 S   | 1/2011  | Genuin et al.       |                        | D796,170 S     | 9/2017  | Raysse                      |
| D631,646 S   | 2/2011  | Mueller             |                        | D797,418 S     | 9/2017  | Lee et al.                  |
| D633,286 S   | 3/2011  | Skaja               |                        | D798,553 S     | 10/2017 | Lee                         |
| D633,287 S   | 3/2011  | Skaja               |                        | D799,183 S     | 10/2017 | Weeks                       |
| D636,156 S   | 4/2011  | Della Valle et al.  |                        | D800,433 S     | 10/2017 | Kuerbis                     |
| D636,571 S   | 4/2011  | Avar                |                        | 9,775,769 B2   | 10/2017 | Brown et al.                |
| D637,803 S   | 5/2011  | Alvear et al.       |                        | 9,781,970 B2   | 10/2017 | Wardlaw et al.              |
| D639,036 S   | 6/2011  | Delavaldene et al.  |                        | 9,781,974 B2   | 10/2017 | Reinhardt et al.            |
| D639,535 S   | 6/2011  | Eggert et al.       |                        | 9,788,598 B2   | 10/2017 | Reinhardt et al.            |
| D661,073 S   | 6/2012  | Della Valle et al.  |                        | 9,788,606 B2   | 10/2017 | Reinhardt et al.            |
| D663,516 S   | 7/2012  | Della Valle et al.  |                        | 9,795,186 B2 * | 10/2017 | Reinhardt ..... A43B 1/0009 |
| D668,845 S   | 10/2012 | Huynh               |                        | D802,261 S *   | 11/2017 | Stillwagon ..... D2/923     |
| D668,858 S   | 10/2012 | Shaffer             |                        | D802,270 S     | 11/2017 | Kirschner                   |
| D671,305 S   | 11/2012 | Escobar             |                        | 9,820,528 B2   | 11/2017 | Reinhardt et al.            |
| D671,306 S   | 11/2012 | Tzenos              |                        | D805,745 S     | 12/2017 | Link                        |
| D680,710 S   | 4/2013  | Sundberg            |                        | 9,849,645 B2   | 12/2017 | Wardlaw et al.              |
| D690,490 S   | 10/2013 | Riddell             |                        | D808,143 S     | 1/2018  | Negri                       |
| D693,553 S   | 11/2013 | McClaskie           |                        | D809,755 S     | 2/2018  | Stavseng et al.             |
| D696,501 S   | 12/2013 | Miner               |                        | D809,756 S     | 2/2018  | Stavseng et al.             |
| D696,502 S   | 12/2013 | Miner               |                        | D809,761 S     | 2/2018  | Parrett                     |
| D696,503 S   | 12/2013 | Miner               |                        | D810,407 S     | 2/2018  | DeAlmeida                   |
| D697,297 S   | 1/2014  | McClaskie           |                        | D811,062 S     | 2/2018  | Teague                      |
| 8,657,979 B2 | 2/2014  | Dojan et al.        |                        | 9,884,947 B2   | 2/2018  | Prissok et al.              |
| 8,671,591 B2 | 3/2014  | Brown               |                        | D811,714 S     | 3/2018  | Ngene                       |
| D702,031 S   | 4/2014  | Nakano              |                        | D812,882 S     | 3/2018  | Jenkins et al.              |
| D709,680 S   | 7/2014  | Herath              |                        | D813,508 S     | 3/2018  | Weeks                       |
| D711,081 S   | 8/2014  | Miner               |                        | 9,907,365 B2   | 3/2018  | Downing et al.              |
| D713,623 S   | 9/2014  | Lo                  |                        | 9,926,423 B2   | 3/2018  | Baghdadi                    |
| D721,474 S   | 1/2015  | Miner               |                        | D814,752 S     | 4/2018  | Ormsby                      |
| D722,220 S   | 2/2015  | Miner               |                        | 9,930,928 B2   | 4/2018  | Whiteman et al.             |
| D722,425 S   | 2/2015  | Cin                 |                        | D816,958 S     | 5/2018  | Cin et al.                  |
| 8,961,844 B2 | 2/2015  | Baghdadi et al.     |                        | 9,961,961 B2   | 5/2018  | Smith                       |
| D730,638 S   | 6/2015  | Christensen et al.  |                        | 9,968,157 B2   | 5/2018  | Wardlaw et al.              |
| D731,763 S   | 6/2015  | Solstad             |                        | D819,942 S     | 6/2018  | Cin et al.                  |
| D731,769 S   | 6/2015  | Raysse              |                        | 10,039,342 B2  | 8/2018  | Reinhardt et al.            |
| D734,600 S   | 7/2015  | Gargiulo            |                        | D827,258 S     | 9/2018  | Pina                        |
| 9,078,493 B2 | 7/2015  | Bradford            |                        | D828,686 S     | 9/2018  | Hoellmueller et al.         |
| D737,548 S   | 9/2015  | Levy                |                        | D831,315 S     | 10/2018 | Mahoney                     |
| D738,078 S   | 9/2015  | Raysse              |                        | D831,317 S     | 10/2018 | Jenkins et al.              |
| D739,131 S   | 9/2015  | Del Biondi          |                        | 10,098,411 B2  | 10/2018 | Hoffer et al.               |
| D739,132 S * | 9/2015  | Del Biondi .....    | A41D 19/0065<br>D2/951 | 10,098,412 B2  | 10/2018 | Hoffer et al.               |
| 9,125,454 B2 | 9/2015  | De Roode et al.     |                        | D836,893 S     | 1/2019  | Bischoff et al.             |
| D740,003 S   | 10/2015 | Herath              |                        | D840,135 S     | 2/2019  | Dombrow                     |
| D740,004 S   | 10/2015 | Hoellmueller et al. |                        | D840,136 S     | 2/2019  | Herath et al.               |
| D746,559 S   | 1/2016  | Besanceney et al.   |                        | D840,137 S     | 2/2019  | Herath et al.               |
| D753,381 S   | 4/2016  | Ostapenko           |                        | 10,226,099 B2  | 3/2019  | Bischoff                    |
| D756,085 S   | 5/2016  | Spring              |                        | 10,227,467 B2  | 3/2019  | Baghdadi                    |
| D756,620 S   | 5/2016  | Boys                |                        | D844,952 S     | 4/2019  | Taylor                      |
| D758,056 S * | 6/2016  | Galway .....        | A43B 13/125<br>D2/944  | D846,255 S     | 4/2019  | Khalife                     |
| D759,358 S * | 6/2016  | Cullen .....        | A43B 5/00<br>D2/948    | D846,256 S     | 4/2019  | Khalife                     |
| D765,361 S   | 9/2016  | Johnsongriffin      |                        | 10,259,183 B2  | 4/2019  | Wardlaw et al.              |
| D765,362 S   | 9/2016  | Kuerbis             |                        | D847,475 S     | 5/2019  | Khalife                     |
| D767,263 S   | 9/2016  | Reiser              |                        | D847,480 S     | 5/2019  | Khalife                     |
|              |         |                     |                        | D849,382 S     | 5/2019  | Jenkins et al.              |
|              |         |                     |                        | 10,279,581 B2  | 5/2019  | Ashcroft et al.             |
|              |         |                     |                        | D850,083 S     | 6/2019  | Jenkins et al.              |
|              |         |                     |                        | D850,766 S     | 6/2019  | Girard et al.               |
|              |         |                     |                        | D851,889 S     | 6/2019  | Dobson et al.               |
|              |         |                     |                        | D852,475 S     | 7/2019  | Hoellmueller                |
|              |         |                     |                        | D852,476 S     | 7/2019  | Hartmann                    |

(56)

References Cited

U.S. PATENT DOCUMENTS

D853,099 S 7/2019 Parrett  
D853,690 S 7/2019 Taylor  
D853,691 S 7/2019 Coonrod et al.  
D853,699 S 7/2019 Coonrod et al.  
D855,297 S 8/2019 Motoki  
D855,953 S 8/2019 Girard et al.  
D857,360 S 8/2019 Hardy  
D858,051 S 9/2019 Mace  
D858,960 S \* 9/2019 Mace ..... D2/947  
D858,961 S \* 9/2019 Mace ..... D2/947  
D866,137 S \* 11/2019 Kanata ..... D2/947  
D867,734 S \* 11/2019 Dieudonne ..... D2/947  
D867,737 S \* 11/2019 Kanata ..... D2/954  
D869,833 S \* 12/2019 Hartmann ..... D2/951  
D870,433 S \* 12/2019 Hartmann ..... D2/951  
D872,436 S \* 1/2020 Matthews ..... D2/954  
D872,437 S \* 1/2020 Matthews ..... D2/954  
D873,545 S \* 1/2020 Hartmann ..... D2/947  
D874,098 S \* 2/2020 Hartmann ..... D2/902  
D874,099 S \* 2/2020 Hartmann ..... D2/902  
D874,107 S \* 2/2020 Girard ..... D2/947  
D874,801 S \* 2/2020 Hartmann ..... D2/947  
D875,358 S \* 2/2020 Vella ..... D2/947  
D875,360 S \* 2/2020 Vella ..... D2/947  
D875,361 S \* 2/2020 Girard ..... D2/947  
D875,362 S \* 2/2020 Girard ..... D2/947  
D875,383 S \* 2/2020 Mace ..... D2/977  
D876,055 S \* 2/2020 Hartmann ..... D2/947  
D876,063 S \* 2/2020 Matthews ..... D2/954  
D876,069 S \* 2/2020 Mace ..... D2/960  
D876,757 S \* 3/2020 Hartmann ..... D2/902  
D876,791 S \* 3/2020 Gridley ..... D2/972  
D877,465 S \* 3/2020 Hartmann ..... D2/902  
D877,466 S \* 3/2020 Hartmann ..... D2/902  
D877,468 S \* 3/2020 Reyes ..... D2/947  
D878,021 S \* 3/2020 Mace ..... D2/947  
D878,025 S \* 3/2020 Hartmann ..... D2/954  
D879,430 S \* 3/2020 Gerig ..... D2/954  
2003/0115691 A1 6/2003 Mukherjee et al.  
2003/0208925 A1 11/2003 Pan  
2004/0148805 A1 8/2004 Morris  
2005/0022424 A1 2/2005 Held  
2005/0188562 A1 9/2005 Clarke et al.  
2006/0026863 A1 2/2006 Liu  
2006/0130363 A1 6/2006 Hollinger  
2006/0175036 A1 8/2006 Guerrero  
2008/0005936 A1 1/2008 Chiu  
2008/0148599 A1 6/2008 Collins  
2008/0307679 A1 12/2008 Chiang et al.  
2009/0013558 A1 1/2009 Hazenberg et al.  
2010/0242309 A1 9/2010 McCann  
2011/0099845 A1 5/2011 Miller  
2011/0252670 A1 10/2011 Smith  
2012/0005920 A1 1/2012 Alvear et al.  
2012/0204451 A1 8/2012 De Roode et al.  
2012/0210602 A1 8/2012 Brown  
2013/0145653 A1 6/2013 Bradford  
2013/0247415 A1 9/2013 Kohatsu  
2013/0291409 A1 11/2013 Reinhardt et al.  
2014/0151918 A1 \* 6/2014 Hartmann ..... B29D 35/06  
264/46.5  
2014/0223776 A1 \* 8/2014 Wardlaw ..... A43B 3/0042  
36/102  
2014/0223777 A1 \* 8/2014 Whiteman ..... A43B 13/125  
36/102  
2015/0096203 A1 4/2015 Brown et al.  
2015/0196085 A1 7/2015 Westmoreland et al.  
2016/0007676 A1 1/2016 Leimer et al.  
2016/0037859 A1 \* 2/2016 Smith ..... A43B 5/00  
36/114  
2016/0044992 A1 2/2016 Reinhardt et al.  
2016/0150855 A1 6/2016 Peyton  
2016/0227876 A1 8/2016 Le et al.  
2016/0278481 A1 9/2016 Le et al.  
2016/0295955 A1 10/2016 Wardlaw et al.

2016/0374428 A1 12/2016 Kormann et al.  
2017/0006958 A1 1/2017 Jeong  
2017/0253710 A1 9/2017 Smith et al.  
2017/0259474 A1 9/2017 Holmes et al.  
2017/0341325 A1 11/2017 Le et al.  
2017/0354568 A1 12/2017 Brown et al.  
2018/0000197 A1 1/2018 Wardlaw et al.  
2018/0035755 A1 2/2018 Reinhardt et al.  
2018/0064210 A1 3/2018 Turner et al.  
2018/0077997 A1 3/2018 Hoffer et al.  
2018/0092432 A1 4/2018 Hoffer et al.  
2018/0100049 A1 4/2018 Prissok et al.  
2018/0103719 A1 4/2018 Chen  
2018/0103725 A1 4/2018 Chen  
2018/0132487 A1 \* 5/2018 Kormann ..... A43B 23/07  
2018/0153264 A1 6/2018 Amos et al.  
2018/0154598 A1 6/2018 Kurtz et al.  
2018/0199667 A1 \* 7/2018 Wang ..... A43B 13/32  
2018/0206591 A1 7/2018 Whiteman et al.  
2018/0206599 A1 7/2018 Amos et al.  
2018/0213886 A1 8/2018 Connell et al.  
2018/0235310 A1 8/2018 Wardlaw et al.  
2018/0289108 A1 10/2018 Hoffer et al.  
2018/0303198 A1 10/2018 Reinhardt et al.  
2018/0317591 A1 \* 11/2018 Hollinger ..... A43B 1/0009  
2018/0352900 A1 12/2018 Hartmann et al.  
2019/0126580 A1 5/2019 Paulson et al.  
2019/0133251 A1 5/2019 Hartmann et al.  
2019/0150564 A1 5/2019 Bischoff  
2019/0216167 A1 7/2019 Hoffer et al.  
2019/0216168 A1 7/2019 Hoffer et al.  
2019/0223539 A1 7/2019 Hoffer et al.  
2019/0223550 A1 7/2019 Levy  
2019/0223551 A1 7/2019 Hoffer et al.  
2020/0060383 A1 \* 2/2020 Le ..... B29C 67/205  
2020/0077741 A1 \* 3/2020 Hurd ..... A43B 13/186

FOREIGN PATENT DOCUMENTS

DM 103418013 10/2018  
EM 0012861160005 7/2011  
EM 0022199560024 4/2013  
EM 0027727640015 9/2015  
EM 0030396190034 3/2016  
EM 0033301740003 3/2016  
EM 0031659840005 6/2016  
EM 0033155550001 7/2016  
EM 0033163890001 7/2016  
EM 0033440760002 8/2016  
EM 0033626720001 9/2016  
EM 0035225800029 12/2016  
EM 0036490600005 1/2017  
EM 0036495400001 1/2017  
EM 0037183110019 1/2017  
EM 0037610890028 2/2017  
EM 0037611130025 2/2017  
EM 0043527550004 9/2017  
EM 0043639350008 9/2017  
EM 0043663260001 9/2017  
EM 0043865710002 10/2017  
EM 0045438820008 12/2017  
EM 0046754110006 1/2018  
EM 0048125010004 3/2018  
EM 0051910040010 3/2018  
EM 0058419390004 3/2018  
EM 0052432270002 4/2018  
EM 0052600230003 5/2018  
EM 0052784130002 5/2018  
EM 0053203710002 6/2018  
EM 0056120250001 8/2018  
EM 0063353450003 3/2019  
EP 1979401 B1 9/2010  
EP 2649896 A2 10/2013  
EP 2786670 A1 10/2014  
EP 2984956 A1 2/2016  
EP 3027377 A1 6/2016  
EP 3041892 A1 7/2016  
EP 2649896 B1 10/2016  
EP 3078287 A1 10/2016

(56)

**References Cited**

## FOREIGN PATENT DOCUMENTS

|    |            |    |         |
|----|------------|----|---------|
| EP | 3114959    | A1 | 1/2017  |
| EP | 3186306    | A1 | 7/2017  |
| EP | 2467037    | B1 | 10/2017 |
| EP | 2872309    | B1 | 11/2017 |
| EP | 3289907    | A1 | 3/2018  |
| EP | 3308663    | A1 | 4/2018  |
| EP | 3338581    | A1 | 6/2018  |
| EP | 3352607    | A1 | 8/2018  |
| EP | 3352608    | A1 | 8/2018  |
| EP | 3352610    | A1 | 8/2018  |
| EP | 3352611    | A1 | 8/2018  |
| EP | 3352612    | A1 | 8/2018  |
| EP | 3352615    | A1 | 8/2018  |
| EP | 3338984    | A3 | 9/2018  |
| EP | 3248770    | B1 | 5/2019  |
| EP | 3476237    | A1 | 5/2019  |
| EP | 3386334    | B1 | 7/2019  |
| JP | 2000316606 | A  | 11/2000 |
| WO | 9929203    | A1 | 6/1999  |
| WO | 3101806    | A1 | 1/2001  |
| WO | 2005066250 | A1 | 7/2005  |
| WO | 2006066256 | A2 | 6/2006  |
| WO | 2007024523 | A1 | 3/2007  |
| WO | 2007082838 | A1 | 7/2007  |
| WO | 2010010010 | A1 | 1/2010  |
| WO | 2016030026 | A1 | 3/2016  |
| WO | 2016030333 | A1 | 3/2016  |
| WO | 2017053650 | A1 | 3/2017  |
| WO | 2017053654 | A1 | 3/2017  |
| WO | 2017053658 | A1 | 3/2017  |
| WO | 2017053665 | A1 | 3/2017  |
| WO | 2017053669 | A1 | 3/2017  |
| WO | 2017053674 | A1 | 3/2017  |
| WO | 2017097315 | A1 | 6/2017  |
| WO | 2018099833 | A1 | 6/2018  |
| WO | 2018103811 | A1 | 6/2018  |
| WO | 2018169535 | A1 | 9/2018  |
| WO | 2018169537 | A1 | 9/2018  |
| WO | 2018175734 | A1 | 9/2018  |
| WO | 2019029781 | A1 | 2/2019  |
| WO | 2019073607 | A1 | 4/2019  |
| WO | 2019101339 | A1 | 5/2019  |
| WO | 2019150492 | A1 | 8/2019  |

## OTHER PUBLICATIONS

Search Report by Registered Search Organization issued in corresponding Japanese Application No. JP2018-526089, dated Nov. 8, 2019, 18 pages.

U.S. Appl. No. 29/682,372, filed Mar. 5, 2019, Pending.

U.S. Appl. No. 29/594,703, filed Feb. 22, 2017, Pending.

International Search Report (with English translation) and Written Opinion issued in International Application No. PCT/EP2015/002456, dated Oct. 25, 2016, 17 pages.

Adidas Mega Soft Cell, BX Sports's Weblog, Published on Aug 6, 2010, 2 pages, [online], [site visited Sep. 5, 2019]. <URL: <https://bx97.wordpress.com/2010/08/06/adidas-mega-soft-cell-2/>> (Year: 2010).

Adidas' FutureCraft Loop Sneaker Talks a Big Recycling Game, Gizmodo, Published on Apr 17, 2019, 10 pages, [online], [site visited Sep. 5, 2019]. <URL: <https://gizmodo.com/adidas-futurecraft-loop-sneaker-talks-a-big-recycling-1834086618>> (Year: 2019).

Ben Felderstein "Puma To Debut New Jamming Cushion On Nov. 9" © 2007-2019 Sneaker News Inc, Nov. 7, 2017, 7 pages, [online], [site visited Jul. 23, 2019] <URL: <https://sneakernews.com/2017/11/07/puma-jamming-cushion-release-info/>> (Year 2017).

Cruise Down the Streets in the Distinctive Puma Hybrid Runner, RunnersWorld.com, by Amanda Furrer, Jul. 2, 2018, 11 pages, [online], [site visited Jul. 26, 2019]. <URL: <https://www.runnersworld.com/gear/a21987976/puma-hybrid-runner-shoe-review/>> (Year: 2018).

Did Nike Not Get the Memo on Plastic Beads?, Gizmodo, Published on Jul 25, 2019, 7 pages, [online], [site visited Sep. 5, 2019]. <URL: <https://earth.gizmodo.com/did-nike-not-get-the-memo-on-plastic-beads-1836694806>> (Year: 2019).

New Balance Trailbuster Fresh Foam Drops in Two Monochrome Colorways, Sneaker News; Published on Apr. 22, 2017, 7 pages, [online] [site visited Sep. 5, 2019] <URL: <https://sneakernews.com/2017/04/22/new-balance-trailbuster-fresh-foam-drops-black-white/>> (Year 2017).

Nike Addresses Joyride Comparisons to Puma's Jamming Tech, SoleCollector.com, by Riley Jones, Aug. 7, 2019, 4 pages, [online], [site visited Sep. 4, 2019]. <URL: <https://solecollector.com/news/2019/08/nike-addresses-joyride-comprisons-puma-jamming>> (Year: 2019).

Nike Unveils Joyride Running Shoes in Latest Cushioning Experiment, SI.com, by Chris Chavez, Jul. 25, 2019, 5 pages, [online], [site visited Sep. 4, 2019]. <URL: <https://www.si.com/edge/2019/07/25/nike-jpyride-technology-sushioning-beaded-tpe-foam-rubber-details>> (Year 2019).

Puma Jamming—NRGY Beeds Shoe Review, YouTube.com, Tiffany Beers, Published on Jul 21, 2018, 1 page, [online], [site visited Sep. 4, 2019]. <URL: <https://www.youtube.com/watch?v=4ZS7NDY0Rnc>> (Year: 2018).

Puma Jamming NRGY Shoe Unboxing /Review+ On Feet, YouTube.com, Published on Dec. 21, 2017, 1 page, [online], [site visited Jul. 26, 2019]. <URL: <https://www.youtube.com/watch?v=rpCmRWeDbj8>> (Year 2017).

Small beads for long distances, BASF, Published on Aug. 13, 2013, 4 pages, [online], [site visited Aug. 1, 2019]. <URL: [https://www.basf.com/global/documents/en/news-and-media/science-around-us/small-beads-for-long-distances/BASF\\_Science\\_around\\_us\\_Infinergy.pdf](https://www.basf.com/global/documents/en/news-and-media/science-around-us/small-beads-for-long-distances/BASF_Science_around_us_Infinergy.pdf)> (Year: 2013).

The beads that move with you, Puma Catch up, Published on Nov. 9, 2017, 6 pages, [online], [site visited Sep. 5, 2019]. <URL: <https://www.puma-catchup.com/jamming-pumas-new-sole-technology-ultimate-comfort/>> (Year: 2017).

The Puma Jamming Introduces New Cushioning Technology, Sneakers-Magazine.com, Posted Nov. 9, 2017, 3 pages, [online], [site visited Jul. 26, 2019]. <URL: <https://sneakers-magazine.com/puma-jamming-nrgy-beads/>> (Year: 2017).

Who's Winning the 3D-Printed Shoe Race?, Fortune.com; Published on Dec. 15, 2015, 11 pages, [online] [site visited Sep. 5, 2019] <URL: <https://fortune.com/2015/12/15/3d-printed-shoe-race/>> (Year 2015).

\* cited by examiner

Fig. 1

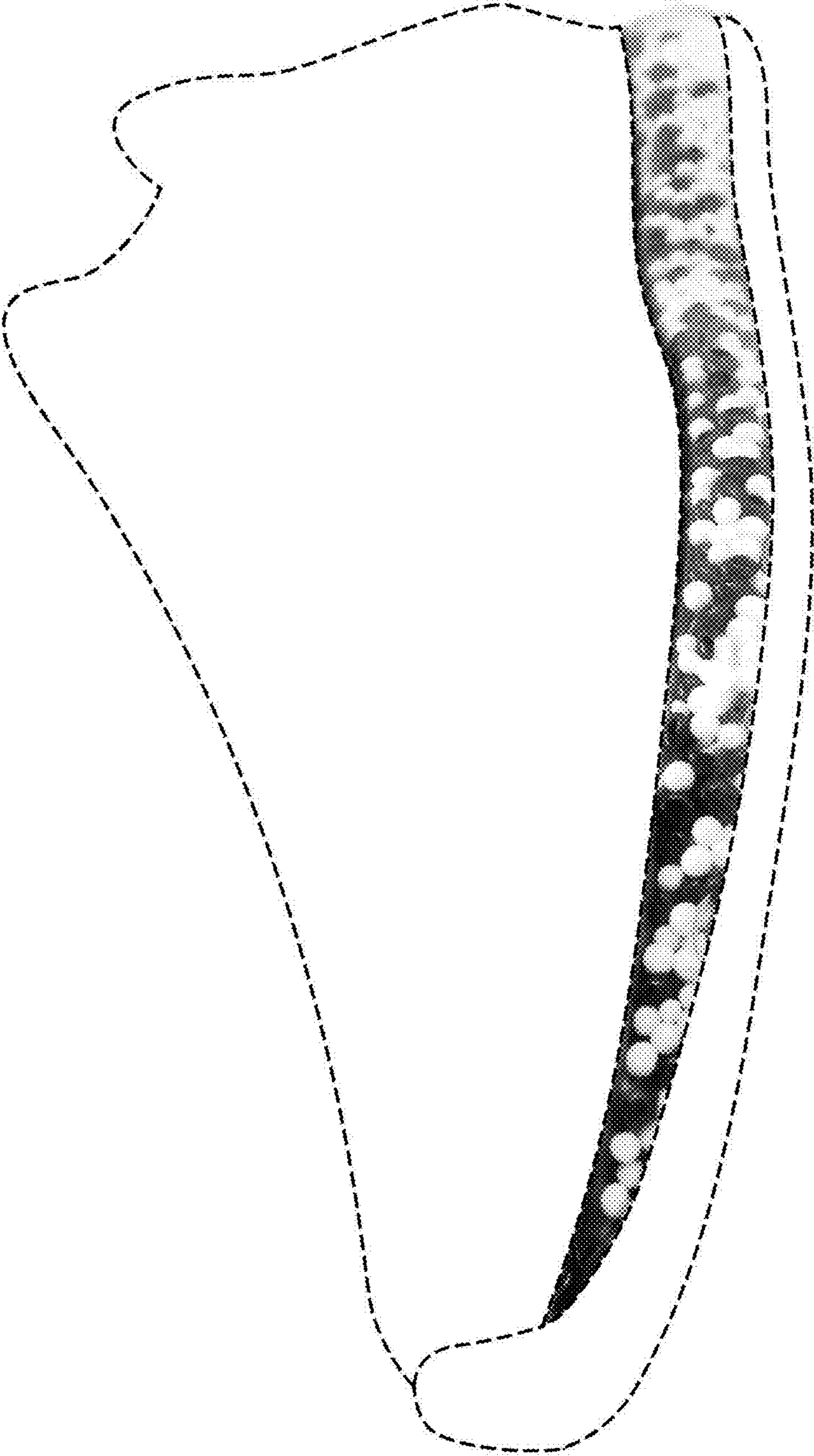
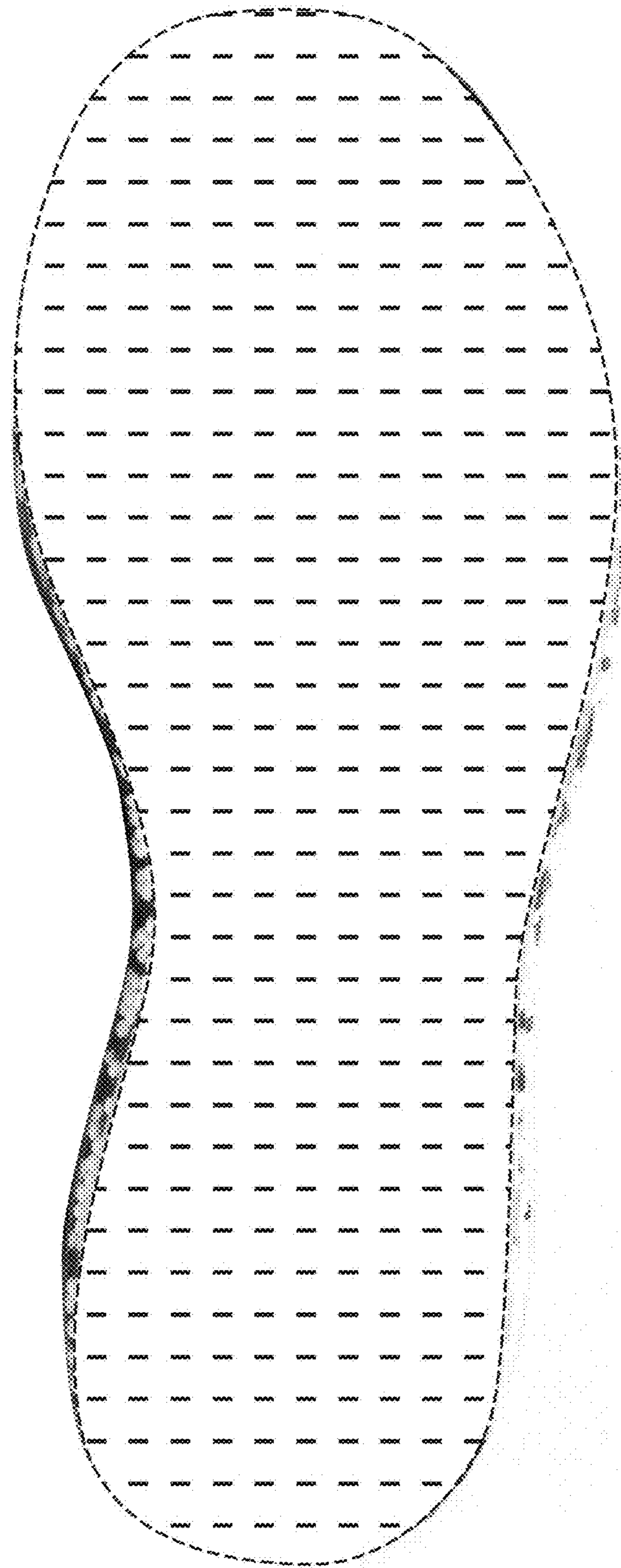


Fig. 2



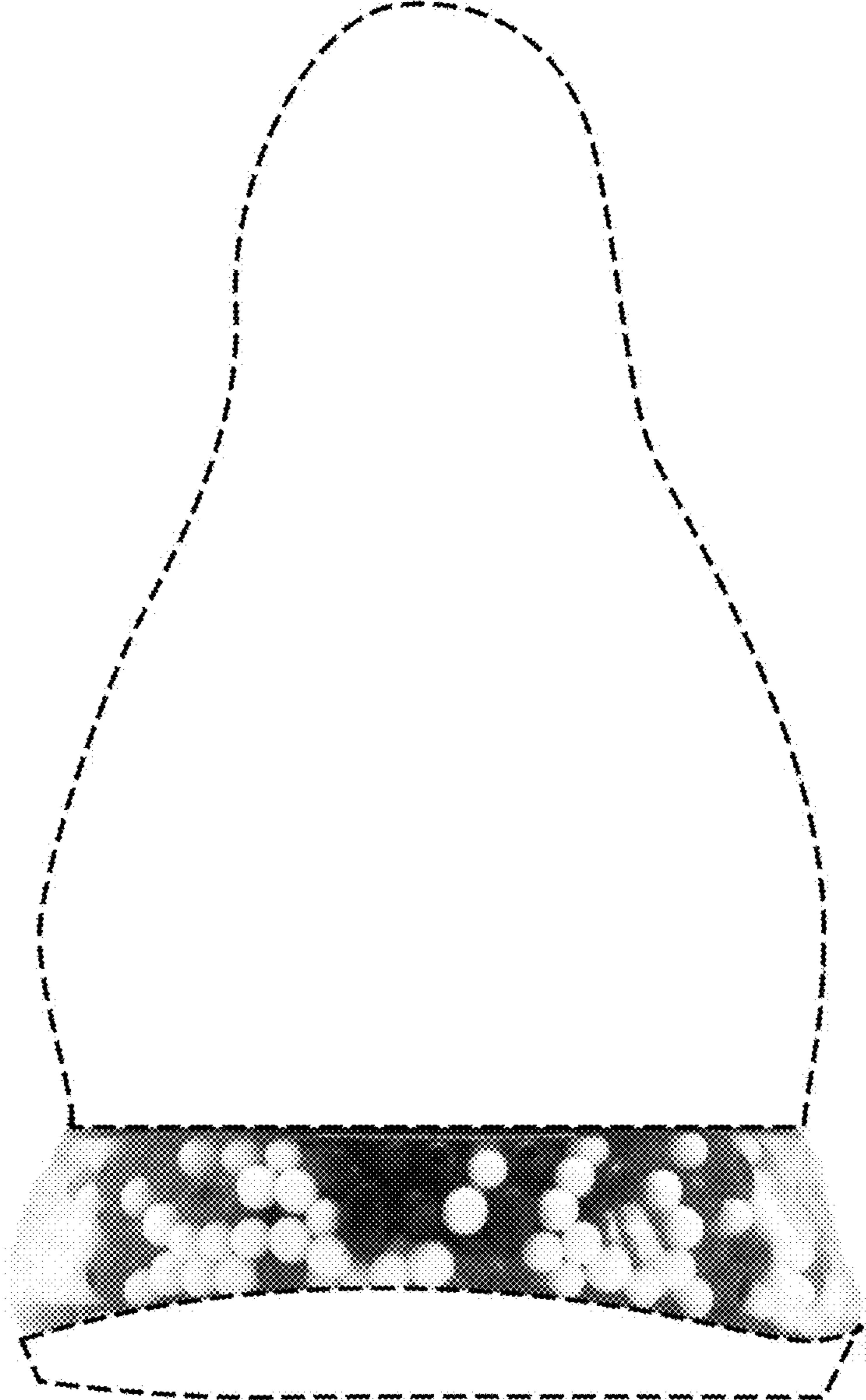


Fig. 3



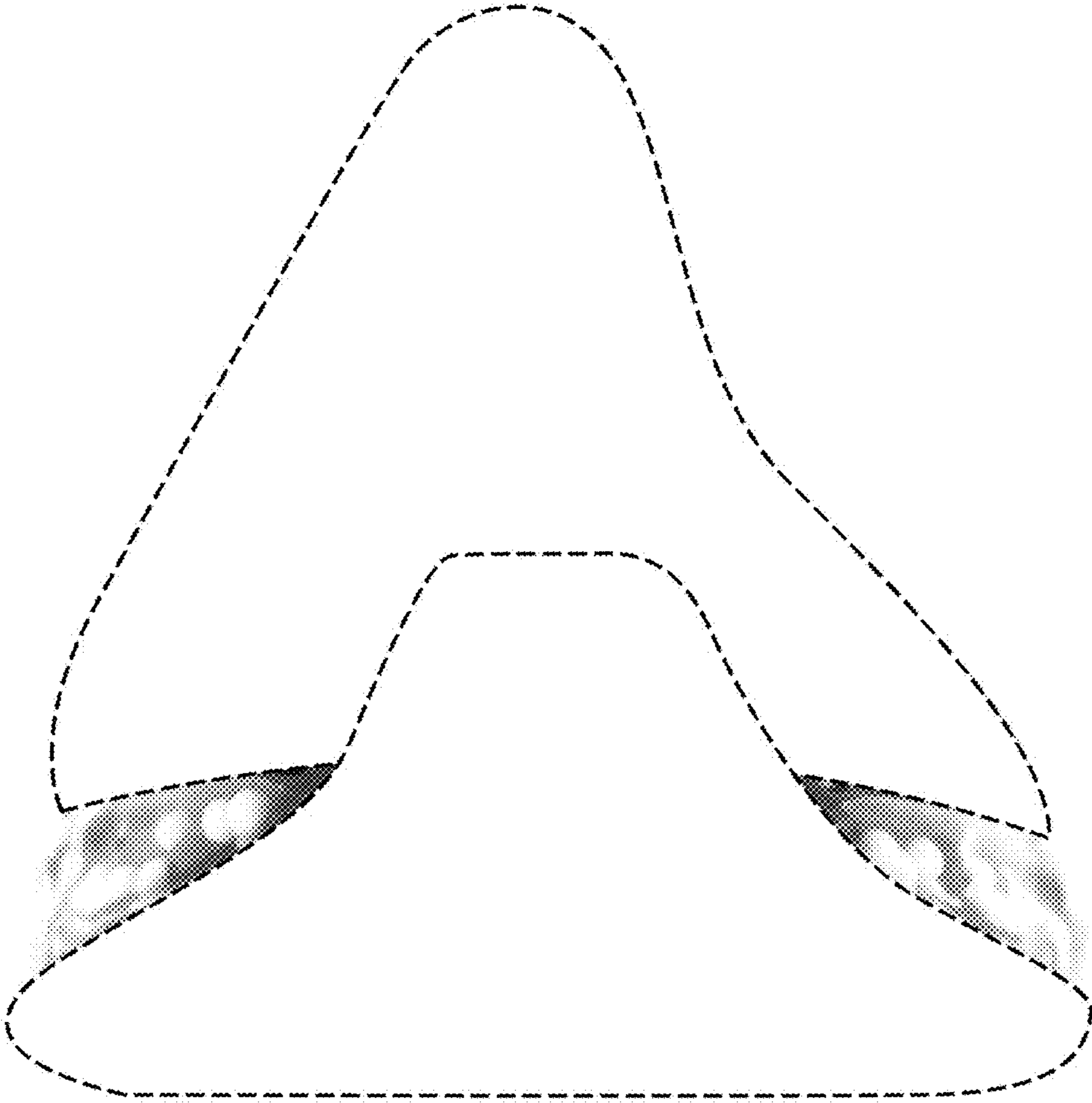


Fig. 4

Fig. 5

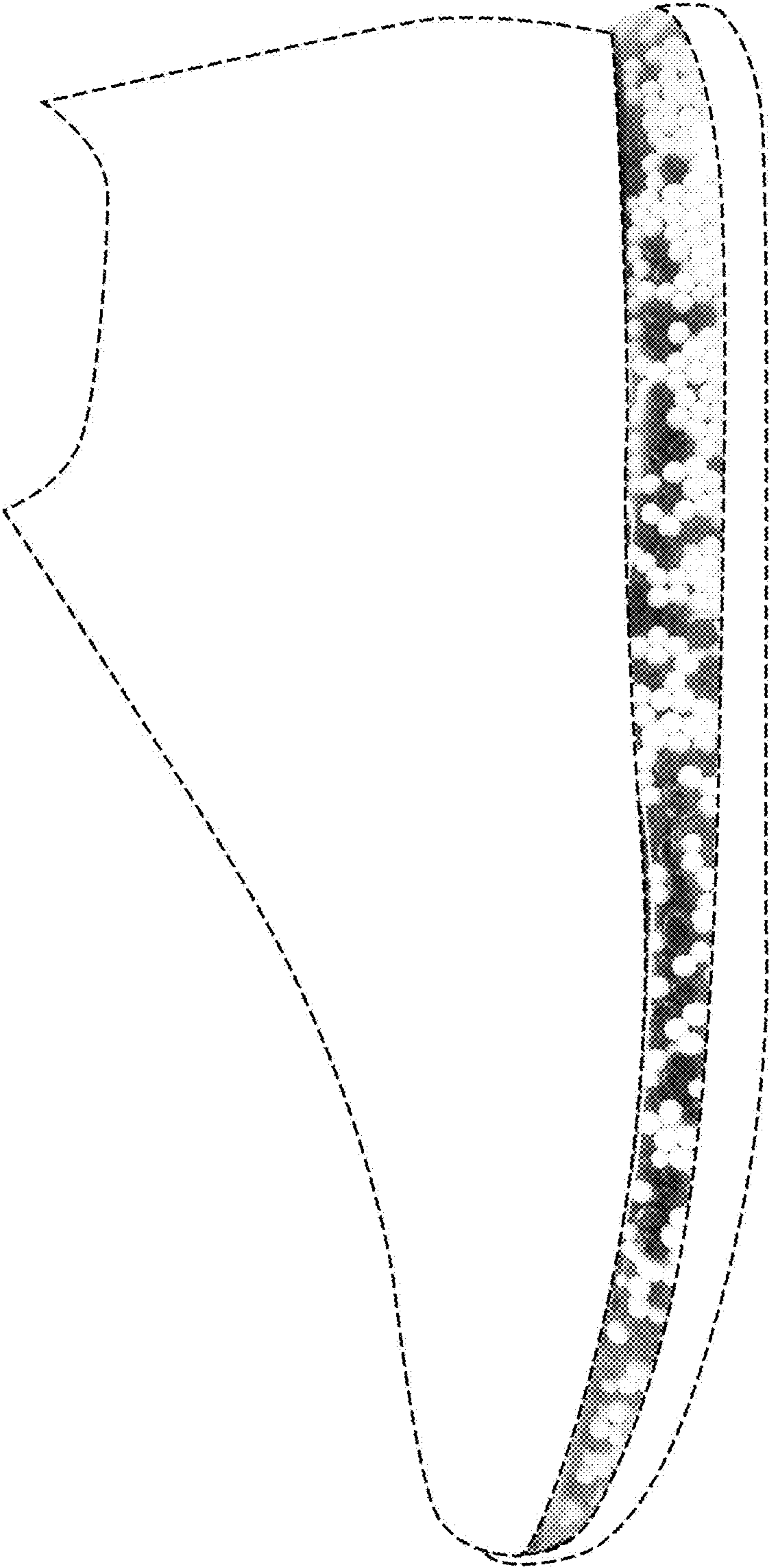


Fig. 6

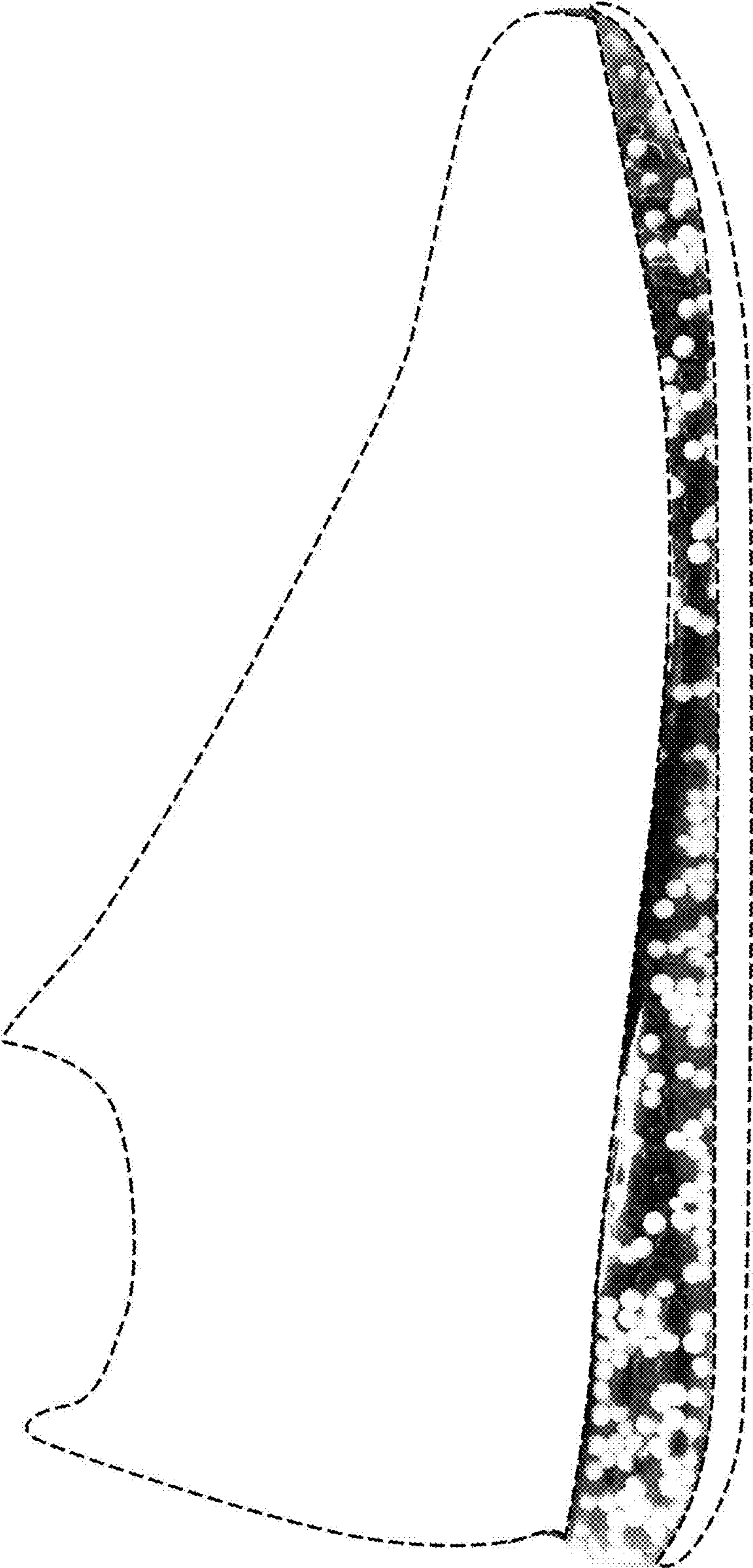
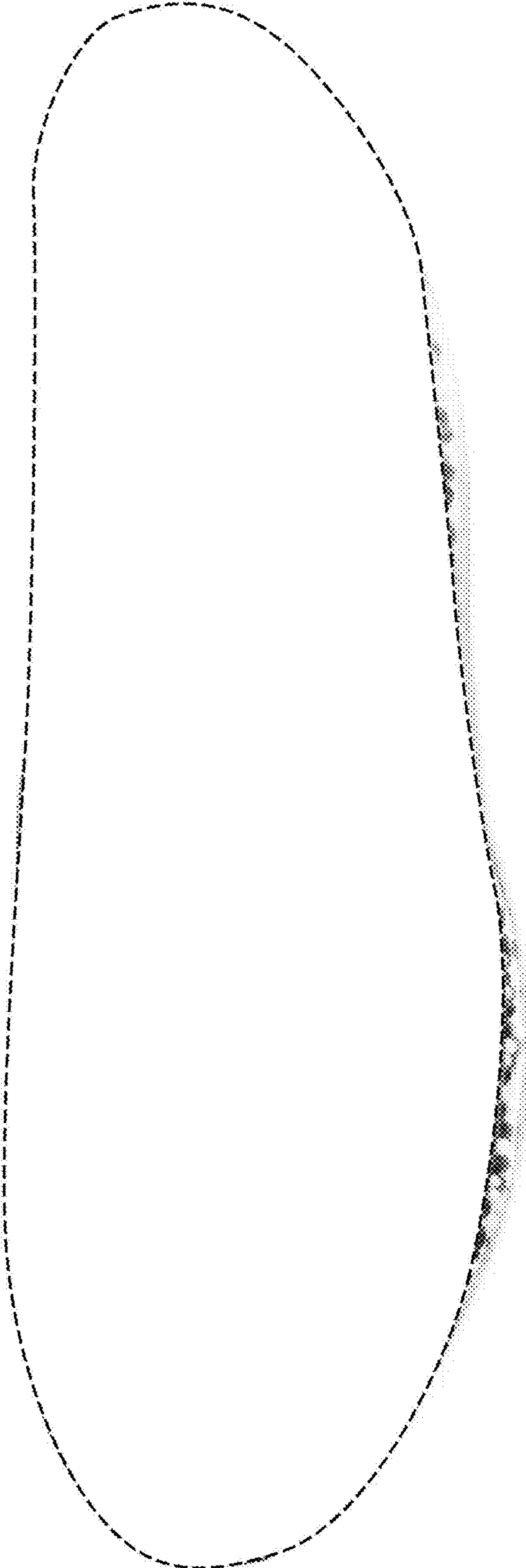


Fig. 7



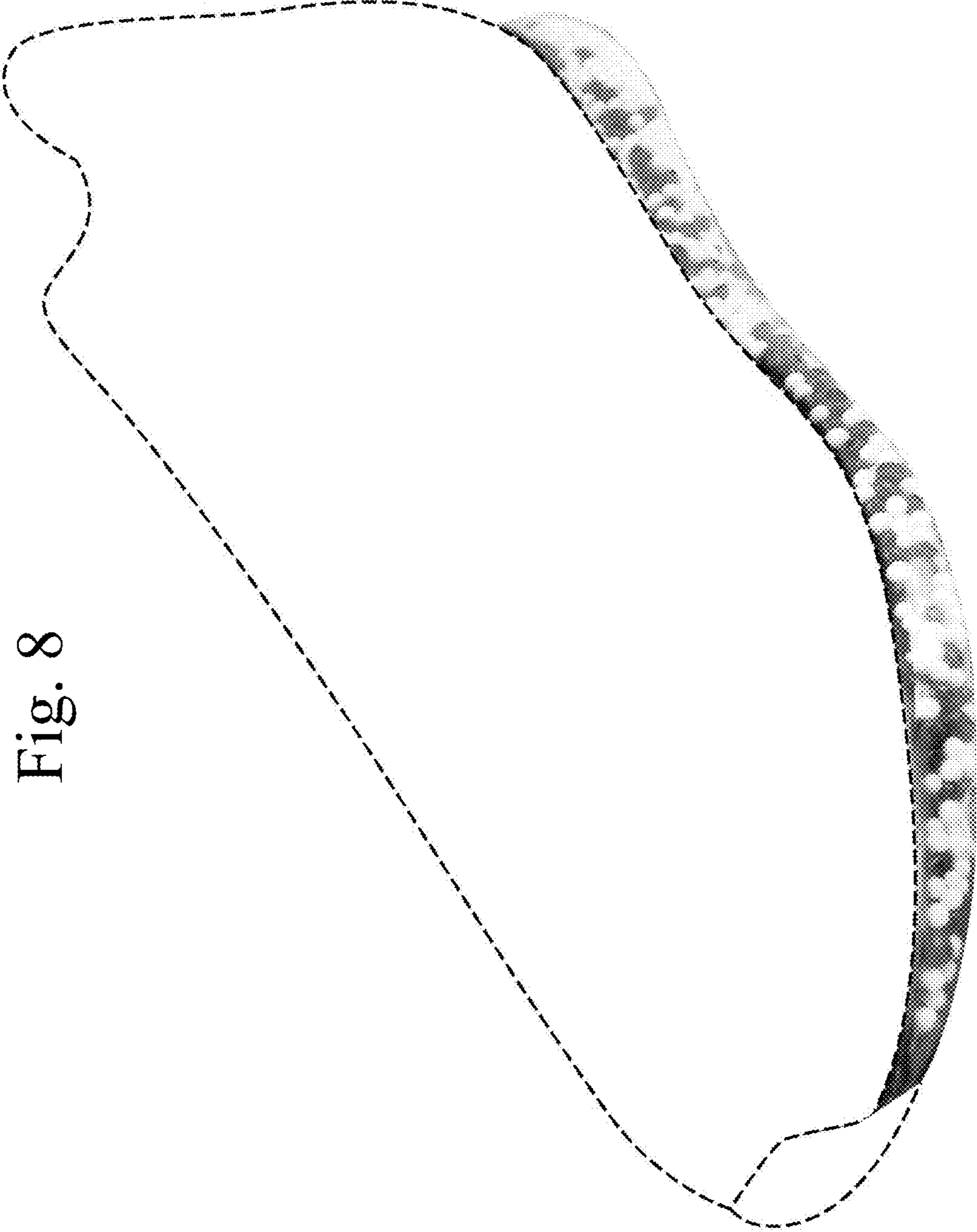
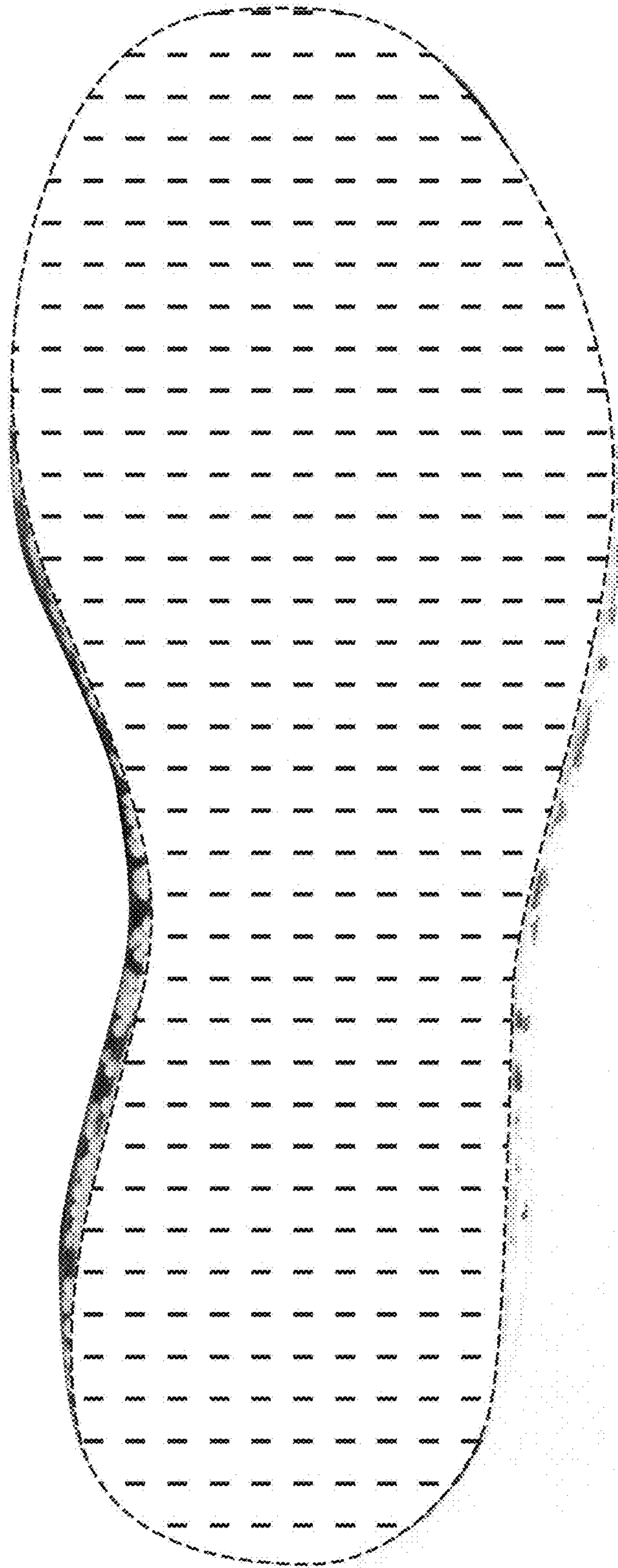


Fig. 8

Fig. 9



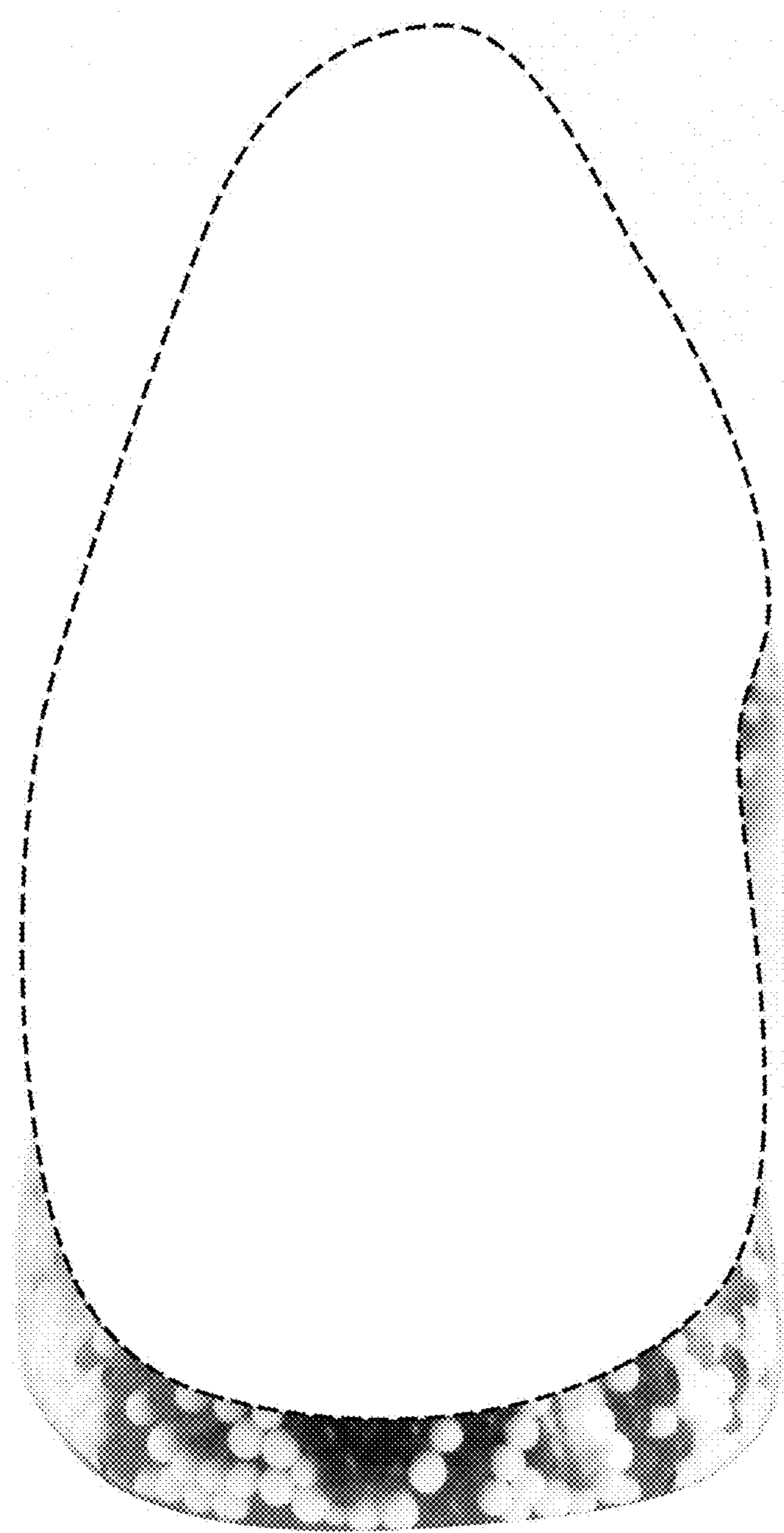


Fig. 10

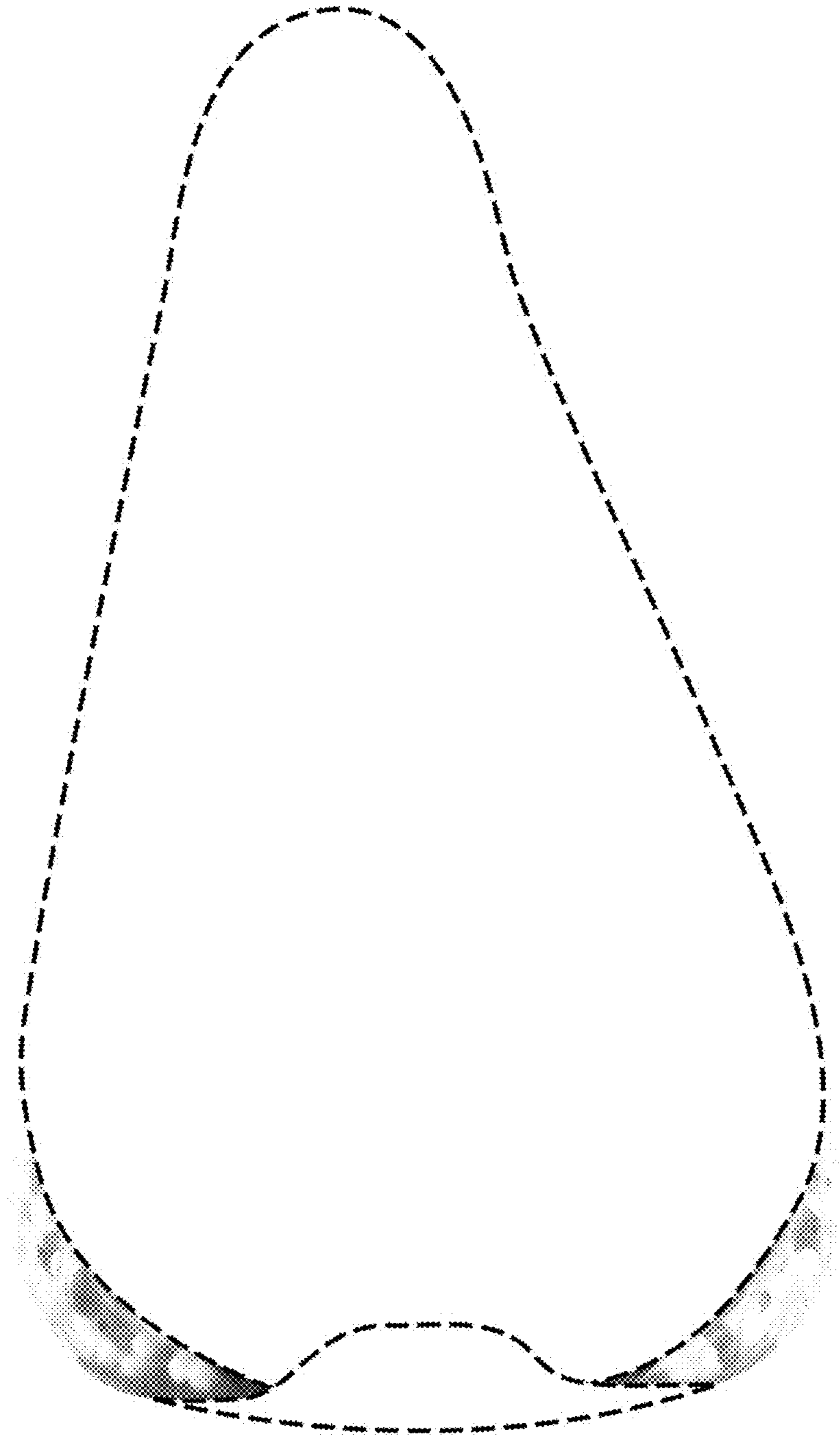


Fig. 11



Fig. 12

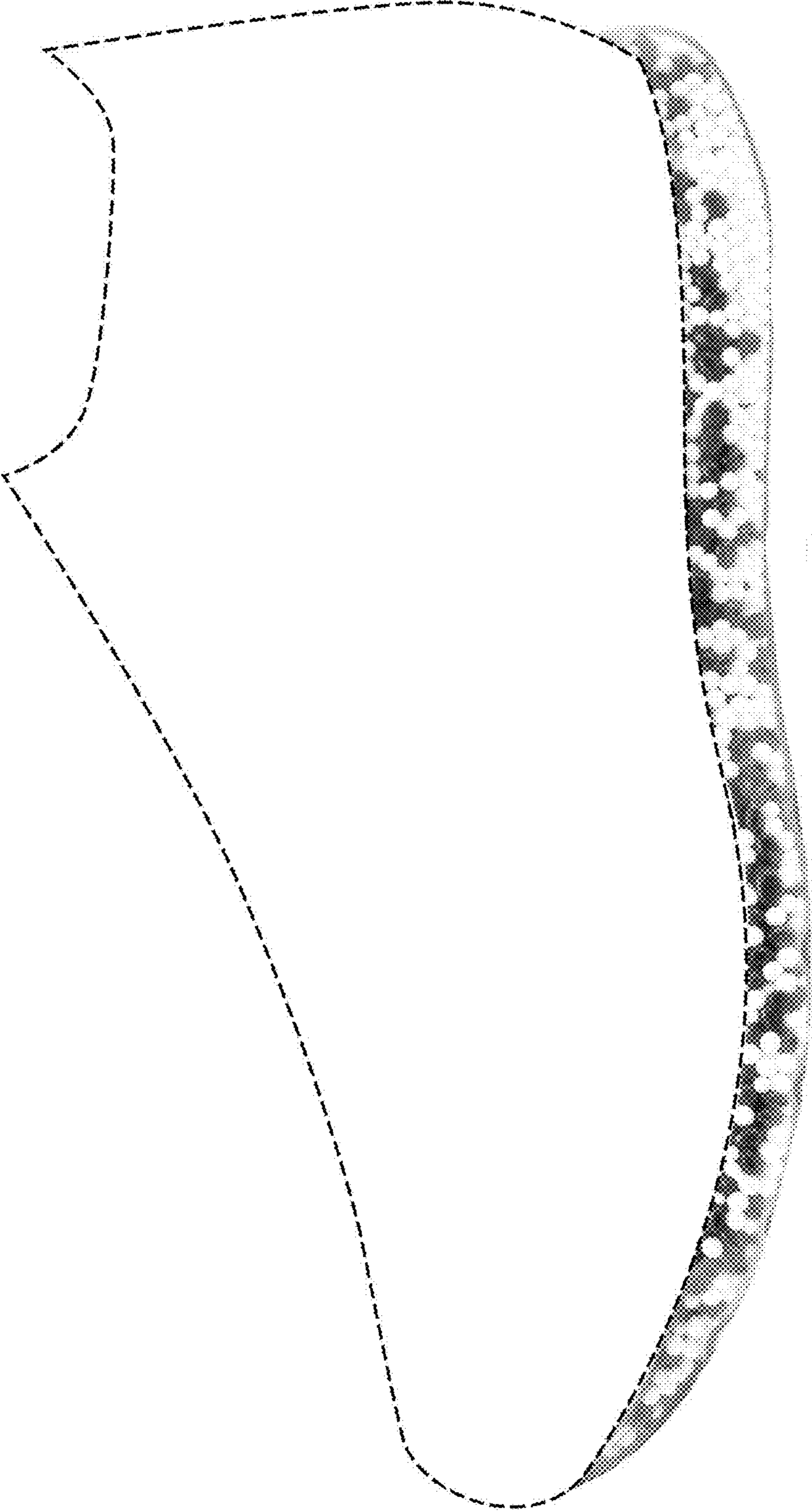


Fig. 13

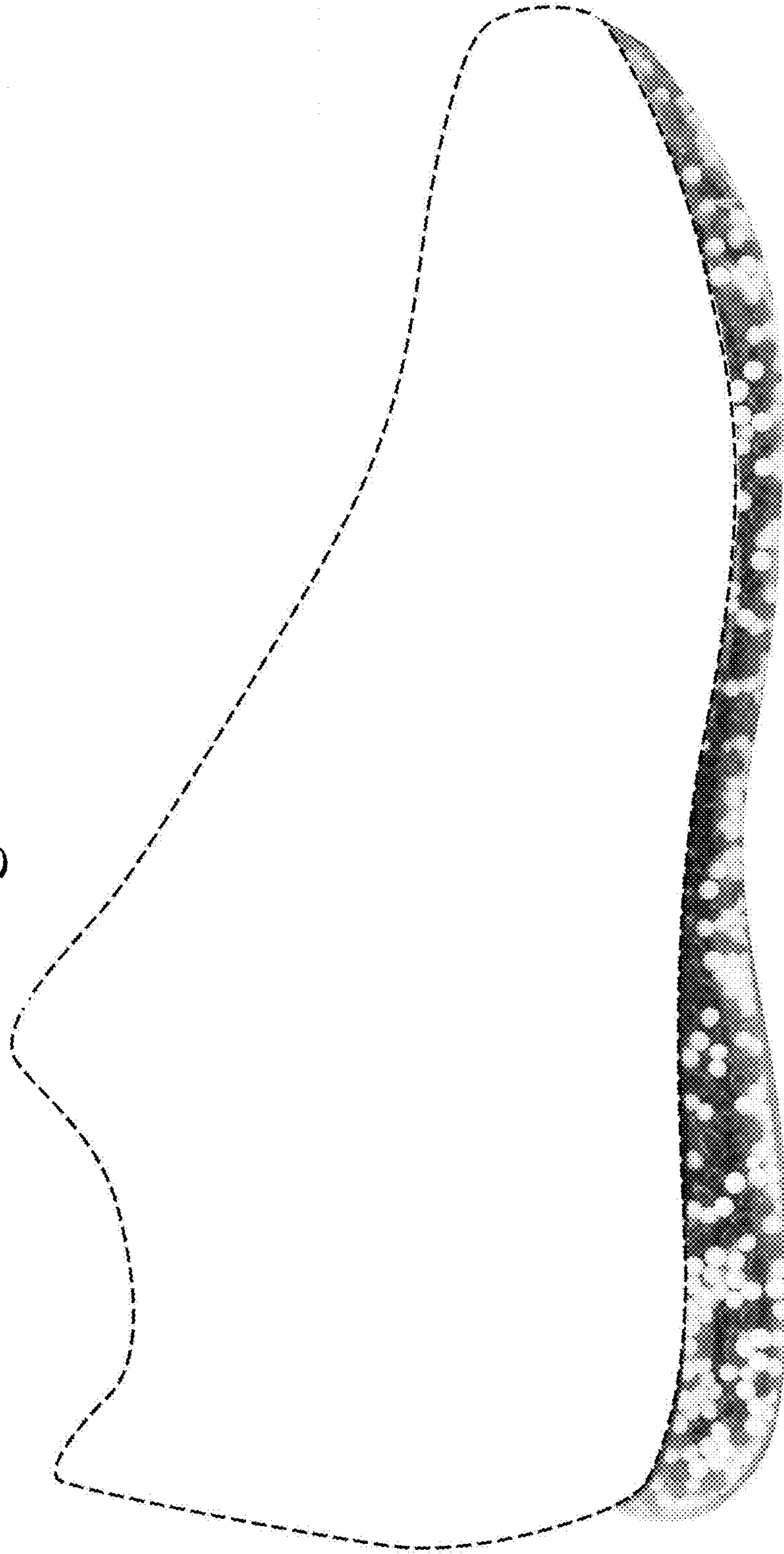


Fig. 14

