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

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(54) **SHOE SOLE**
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5,052,130 A 10/1991 Barry et al.
5,086,576 A 2/1992 Lamson
5,117,567 A 6/1992 Berger
5,154,682 A 10/1992 Kellerman
5,177,882 A 1/1993 Berger
5,179,791 A 1/1993 Lain
5,337,492 A 8/1994 Anderie et al.
5,406,723 A 4/1995 Okajima

(Continued)

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FOREIGN PATENT DOCUMENTS

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EP 0272082 6/1988
EP 0726037 8/1996

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OTHER PUBLICATIONS

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(52) **U.S. Cl.**

(Continued)

USPC **D2/953**; D2/951; D2/960

(58) **Field of Classification Search**

USPC D2/902, 906, 908, 916, 918, 925,
D2/946-962, 977; 36/3 B, 22 R, 24.5, 25 R,
36/28, 32 R, 34 R, 59 C, 67 A, 103

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See application file for complete search history.

(57)

CLAIM

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

(56) **References Cited**

DESCRIPTION

U.S. PATENT DOCUMENTS

1,923,169 A 8/1933 Simmons
2,376,854 A 5/1945 Saunders et al.
3,310,889 A 3/1967 Samuels
3,522,669 A 8/1970 Simons
4,445,286 A 5/1984 Norton
D288,027 S * 2/1987 Tonkel D2/957
4,694,589 A 9/1987 Sullivan et al.
4,833,796 A 5/1989 Flemming
4,845,864 A 7/1989 Corliss
D303,451 S * 9/1989 Weiner D2/908
4,910,883 A 3/1990 Zock
4,918,838 A 4/1990 Chang
4,942,677 A 7/1990 Flemming et al.
5,035,069 A 7/1991 Minden

FIG. 1 is a bottom perspective view of the shoe sole showing our new design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a right elevation view thereof;

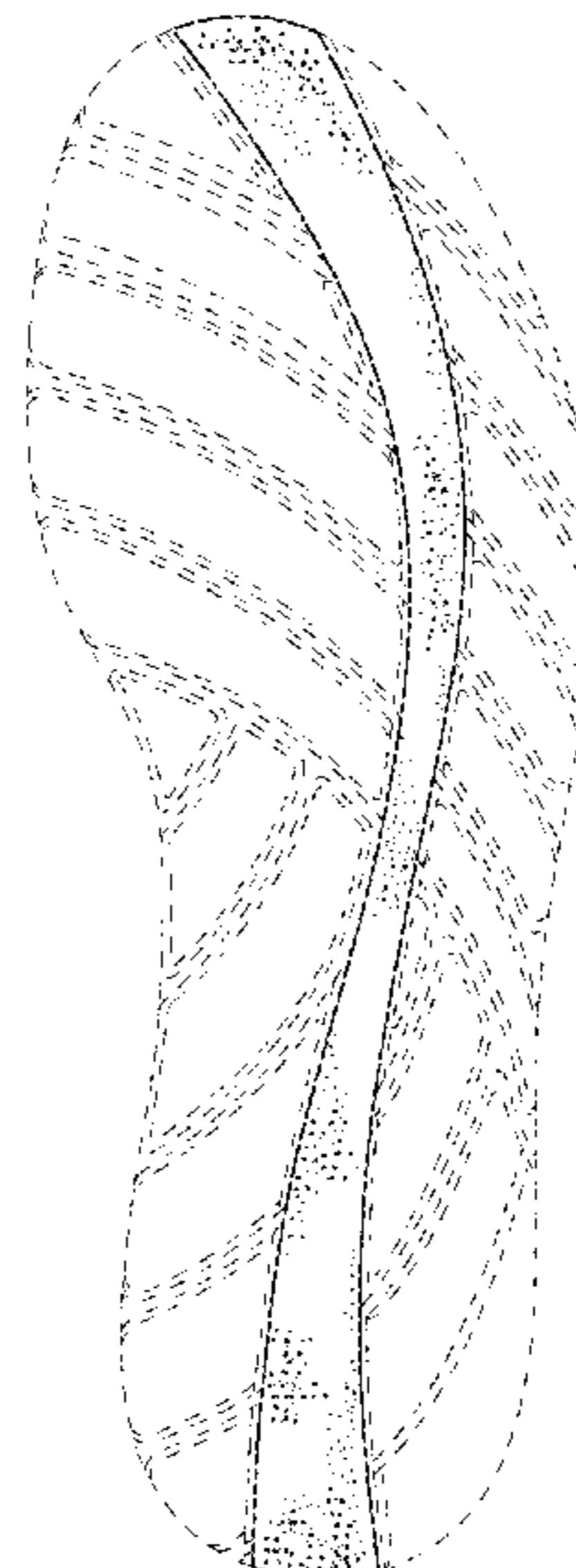
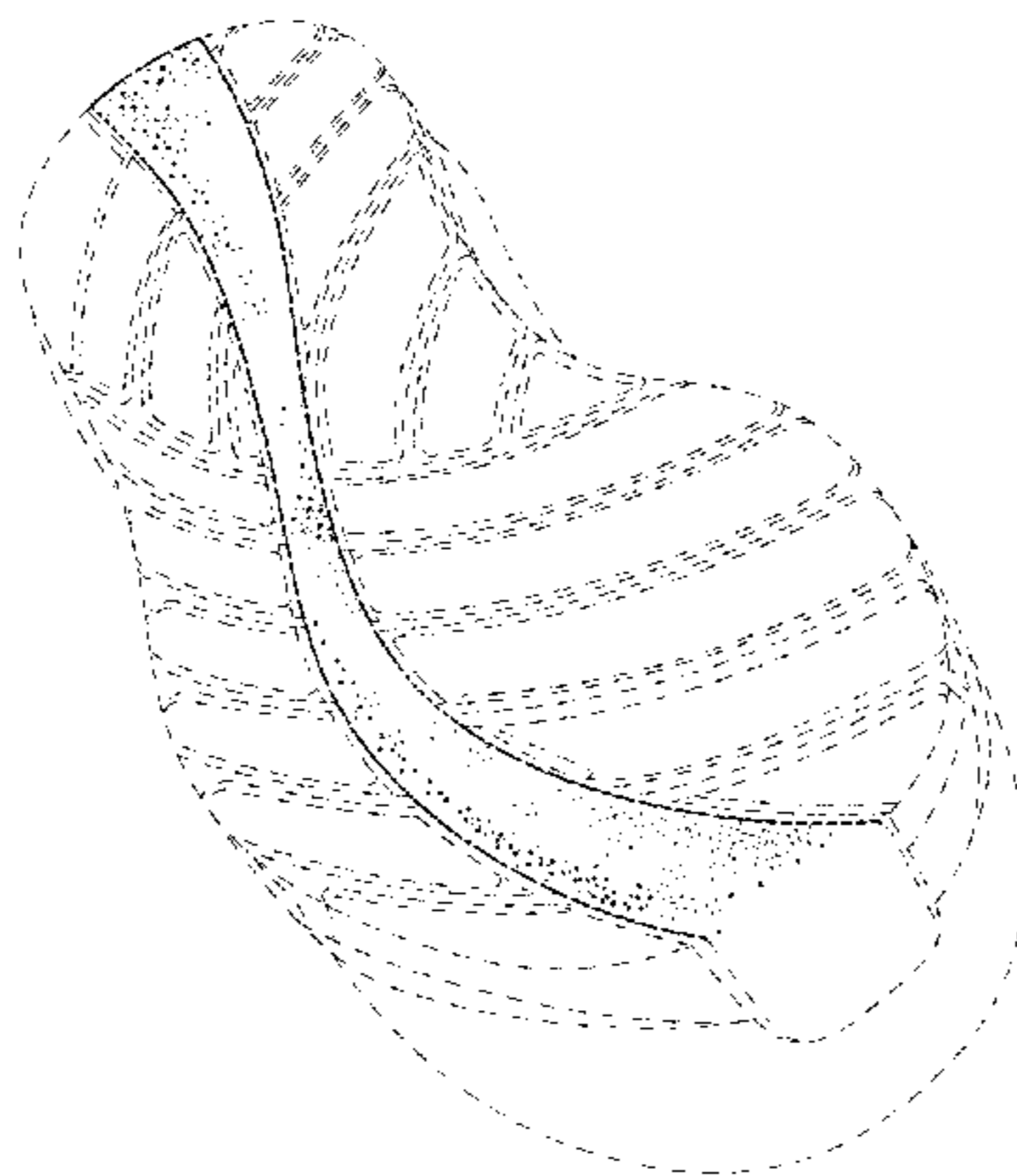
FIG. 5 is a left elevation view thereof;

FIG. 6 is a top plan view thereof; and,

FIG. 7 is a bottom plan view thereof.

The broken lines comprise environmental structure and form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

- 5,461,800 A 10/1995 Luthi et al.
5,511,325 A 4/1996 Heiblinger
5,628,129 A 5/1997 Kilgore et al.
5,636,456 A 6/1997 Allen
5,678,327 A 10/1997 Halberstadt
D387,890 S * 12/1997 Faulconer et al. D2/953
5,709,954 A 1/1998 Lyden et al.
D390,348 S * 2/1998 Meyer et al. D2/957
5,737,854 A 4/1998 Sussmann
5,761,831 A 6/1998 Cho
5,836,094 A 11/1998 Figel
5,897,515 A 4/1999 Willner et al.
D409,362 S * 5/1999 Turner et al. D2/960
D412,612 S * 8/1999 Boyer D2/902
5,934,599 A 8/1999 Hammerslag
5,940,994 A 8/1999 Allen
D417,943 S * 12/1999 Solaroli D2/951
6,006,449 A 12/1999 Orłowski et al.
6,009,641 A 1/2000 Ryan
6,076,283 A * 6/2000 Boie 36/59 C
6,079,125 A 6/2000 Quellais et al.
D428,238 S * 7/2000 Price D2/903
D432,294 S 10/2000 Wilson
6,145,221 A 11/2000 Hockerson
6,289,558 B1 9/2001 Hammerslag
D456,982 S * 5/2002 Rogers D2/957
D460,853 S * 7/2002 Sakai D2/953
6,477,793 B1 11/2002 Pruitt et al.
6,505,424 B2 1/2003 Oorei et al.
D473,698 S * 4/2003 St-Louis D2/957
6,574,889 B2 6/2003 Cagner
6,601,042 B1 7/2003 Lyden
D484,674 S * 1/2004 Issler D2/953
D487,184 S * 3/2004 Issler D2/953
D490,220 S * 5/2004 Edauw D2/908
6,742,286 B2 6/2004 Giovale
D493,951 S * 8/2004 Adams et al. D2/953
D496,779 S * 10/2004 Belley et al. D2/960
D499,534 S * 12/2004 McClaskie D2/951
D501,294 S * 2/2005 Robbins et al. D2/954
D504,007 S * 4/2005 Cintron D2/953
D507,096 S * 7/2005 Chen D2/953
D508,160 S * 8/2005 Sonnergren D2/953
D508,307 S * 8/2005 Burg et al. D2/953
6,922,917 B2 8/2005 Kerns et al.
6,948,262 B2 9/2005 Kerrigan
6,948,264 B1 9/2005 Lyden
D514,288 S * 2/2006 Burg D2/960
7,016,867 B2 3/2006 Lyden
7,076,892 B2 7/2006 Meschan
7,100,309 B2 9/2006 Smith et al.
7,107,235 B2 9/2006 Lyden
D532,585 S * 11/2006 McDonald D2/959
D536,517 S * 2/2007 Gerber D2/954
D541,019 S * 4/2007 McClaskie D2/951
D543,340 S * 5/2007 Favreau et al. D2/960
7,219,450 B2 5/2007 Langley
D546,532 S * 7/2007 Matis et al. D2/953
7,290,357 B2 * 11/2007 McDonald et al. 36/102
D556,980 S * 12/2007 Bramani D2/902
7,334,351 B2 2/2008 Hann
D566,935 S * 4/2008 Matis et al. D2/956
D566,938 S * 4/2008 Matis et al. D2/957
7,377,057 B2 5/2008 Lacorazza et al.
7,383,647 B2 * 6/2008 Chan et al. 36/28
7,401,424 B2 7/2008 Kerns et al.
D574,130 S * 8/2008 Le D2/956
D575,040 S * 8/2008 Bramani D2/953
D586,991 S * 2/2009 Fuerst D2/957
7,487,604 B2 2/2009 Perron, Jr.
7,533,480 B2 5/2009 Chao et al.
D593,740 S * 6/2009 McClaskie D2/957
D594,195 S * 6/2009 Nakano D2/957
D596,385 S * 7/2009 McDade et al. D2/953
D602,237 S * 10/2009 Roundhouse D2/960
D602,683 S * 10/2009 Roundhouse D2/957
7,762,008 B1 * 7/2010 Clark et al. 36/3 B
D632,879 S * 2/2011 Merkazy et al. D2/953
7,941,941 B2 * 5/2011 Hazenberg et al. 36/28
7,946,058 B2 * 5/2011 Johnson et al. 36/25 R
8,082,684 B2 * 12/2011 Munns 36/25 R
D657,941 S * 4/2012 Bramani et al. D2/902
D659,361 S * 5/2012 Jolicoeur D2/953
8,166,672 B2 5/2012 Murphy et al.
D671,301 S * 11/2012 Dombrow D2/951
D676,224 S * 2/2013 Marshall D2/953
D683,117 S * 5/2013 Truelsen D2/953
D693,101 S * 11/2013 Dombrow D2/953
D695,505 S * 12/2013 Hansen D2/960
D697,296 S * 1/2014 Loyley D2/953
8,621,767 B2 * 1/2014 Vestuti et al. 36/28
8,631,590 B2 * 1/2014 Droege et al. 36/103
2002/0062578 A1 5/2002 Lussier et al.
2002/0144429 A1 * 10/2002 Hay 36/25 R
2003/0051574 A1 3/2003 Muraoka
2003/0088996 A1 5/2003 Hall
2004/0068891 A1 4/2004 Wang
2004/0107601 A1 6/2004 Schmid
2004/0153168 A1 8/2004 Childress et al.
2005/0016028 A1 1/2005 Safdeye
2005/0060909 A1 3/2005 Kerns et al.
2005/0166422 A1 8/2005 Schaeffer et al.
2005/0198866 A1 9/2005 Wiper et al.
2005/0198868 A1 9/2005 Scholz
2006/0201028 A1 * 9/2006 Chan et al. 36/28
2007/0039208 A1 2/2007 Bove et al.
2007/0039209 A1 2/2007 White et al.
2008/0034615 A1 2/2008 Nishiwaki et al.
2008/0229617 A1 * 9/2008 Johnson et al. 36/102
2008/0276496 A1 11/2008 Kerns
2008/0289221 A1 * 11/2008 Munns 36/89
2009/0019730 A1 1/2009 Salminen et al.
2009/0084000 A1 4/2009 Pai
2009/0113757 A1 5/2009 Banik
2009/0172971 A1 7/2009 Peikert et al.
2009/0178303 A1 7/2009 Hurd et al.
2009/0211115 A1 * 8/2009 Geer 36/108
2009/0249656 A1 10/2009 Shelton et al.
2009/0313856 A1 * 12/2009 Arizumi 36/102
2010/0180474 A1 * 7/2010 Clark et al. 36/3 B
2010/0192421 A1 8/2010 Kerns et al.
2010/0281711 A1 * 11/2010 Vestuti et al. 36/28
2010/0293811 A1 * 11/2010 Truelsen 36/28
2011/0047816 A1 3/2011 Nurse
2011/0138652 A1 6/2011 Lucas et al.
2011/0185590 A1 * 8/2011 Nishiwaki et al. 36/28
2011/0197469 A1 * 8/2011 Nishiwaki et al. 36/28
2011/0214313 A1 * 9/2011 James et al. 36/103
2012/0000095 A1 1/2012 Torrance
2013/0152428 A1 * 6/2013 Bishop et al. 36/103
2014/0013626 A1 * 1/2014 James et al. 36/103

FOREIGN PATENT DOCUMENTS

EP 1832191 9/2007
EP 1832192 9/2007
WO WO 96/00512 1/1996
WO WO 03/002042 1/2003
WO WO 2004/113058 12/2004
WO WO 2010/051657 5/2010

OTHER PUBLICATIONS

U.S. Appl. No. 29/428,045, filed Jul. 25, 2012, Tucker et al.
U.S. Appl. No. 29/428,049, filed Jul. 25, 2012, Tucker et al.
U.S. Appl. No. 29/428,051, filed Jul. 25, 2012, Tucker et al.
U.S. Appl. No. 29/428,052, filed Jul. 25, 2012, Tucker et al.
U.S. Appl. No. 14/006,145, filed Sep. 19, 2013, Torrance et al.
“Carbon (fiber),” Wikipedia, the free encyclopedia, 2010, [retrieved on Feb. 27, 2011], 5 pages. Retrieved from: [http://en.wikipedia.org/wiki/Carbon_\(fiber\)](http://en.wikipedia.org/wiki/Carbon_(fiber)).

(56)

References Cited

OTHER PUBLICATIONS

“Carbon fiber-reinforced polymer,” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 27, 2011], 7 pages. Retrieved from: http://en.wikipedia.org/wiki/Carbon_fiber-reinforced_polymer.

“Composite material,” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 26, 2011], 10 pages. Retrieved from: http://en.wikipedia.org/wiki/Composite_material.

“Deformation (mechanics),” Wikipedia, the free encyclopedia, 2011, [retrieved on Feb. 27, 2011], 14 pages. Retrieved from: [http://en.wikipedia.org/wiki/Deformation_\(mechanics\)](http://en.wikipedia.org/wiki/Deformation_(mechanics)).

“Pre-preg,” Wikipedia, the free encyclopedia, 2011 [retrieved on Sep. 25, 2013], 2 pages. Retrieved from: <http://en.wikipedia.org/w/index.php?title=Pre-preg&direction=prev&oldid=406926465>.

U.S. Appl. No. 13/970,274, filed Aug. 19, 2013, Tucker et al.

Dugan et al., “Biomechanics and Analysis of Running Gait,” Physical Medicine and Rehabilitation Clinics of North America, 2005, vol. 16, No. 3, pp. 603-621.

International Search Report and Written Opinion for International (PCT) Patent Application No. PCT/US2013/055598 mailed Jan. 9, 2014, 8 pages.

* cited by examiner

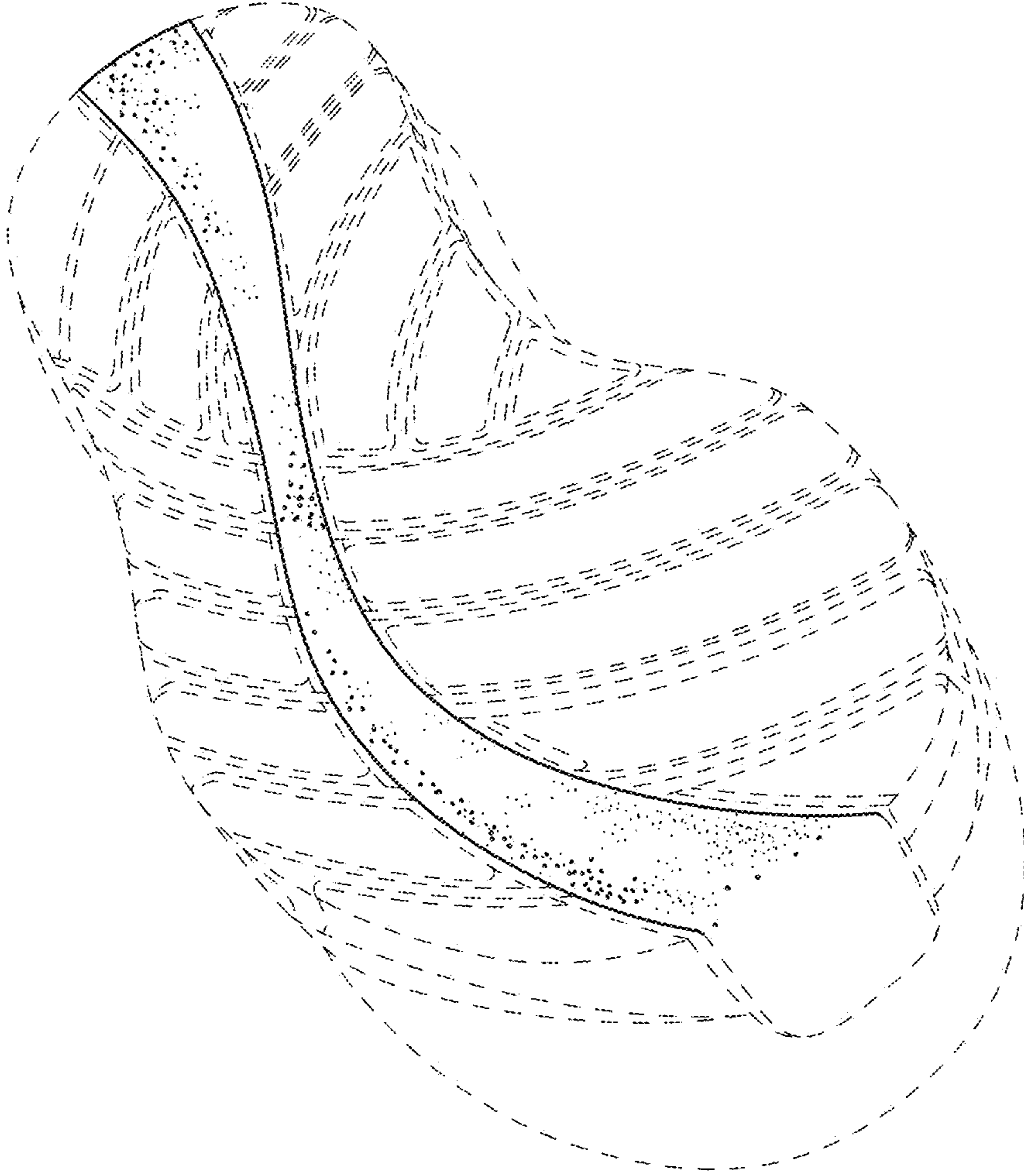


FIG.1

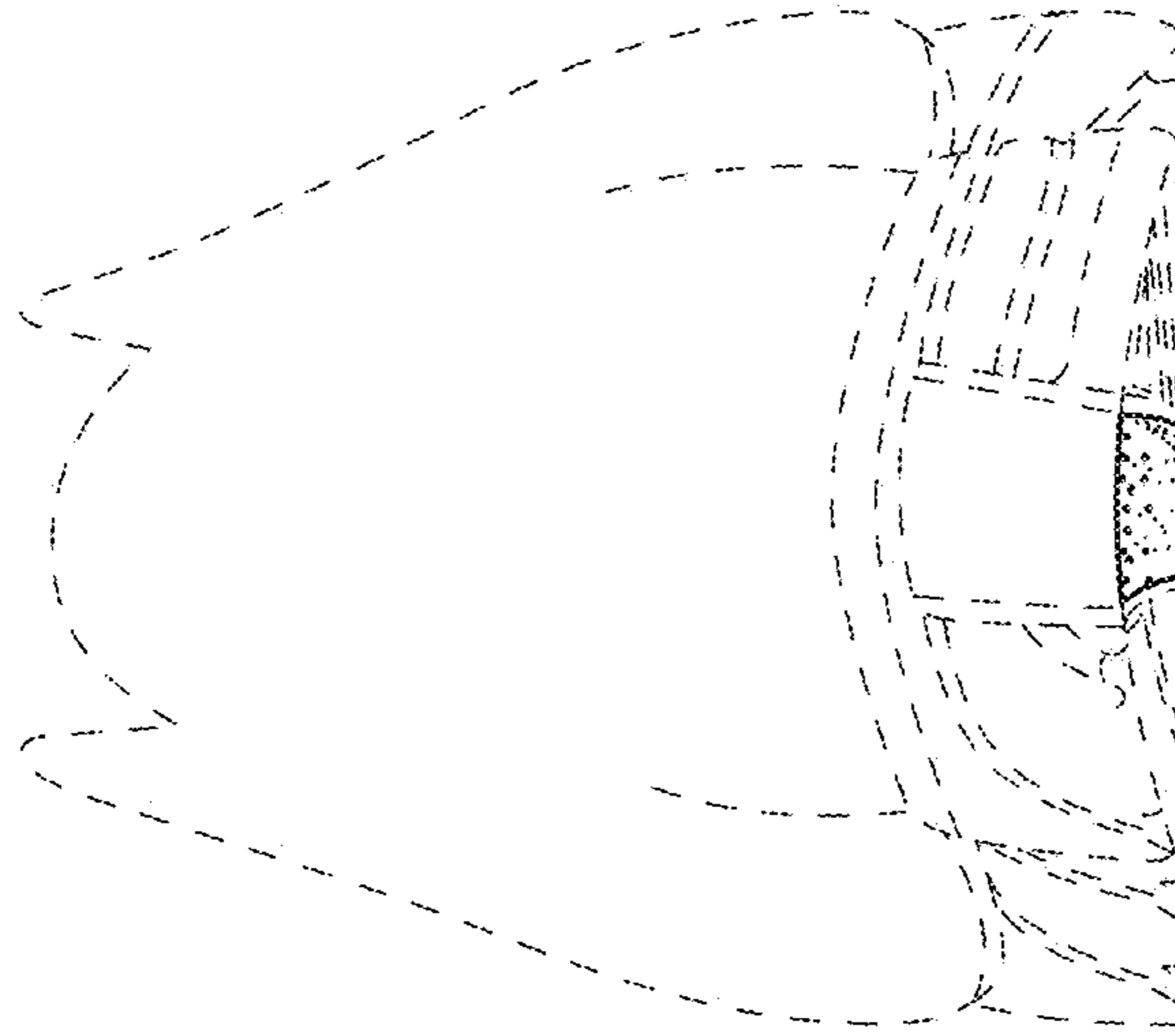


FIG.3

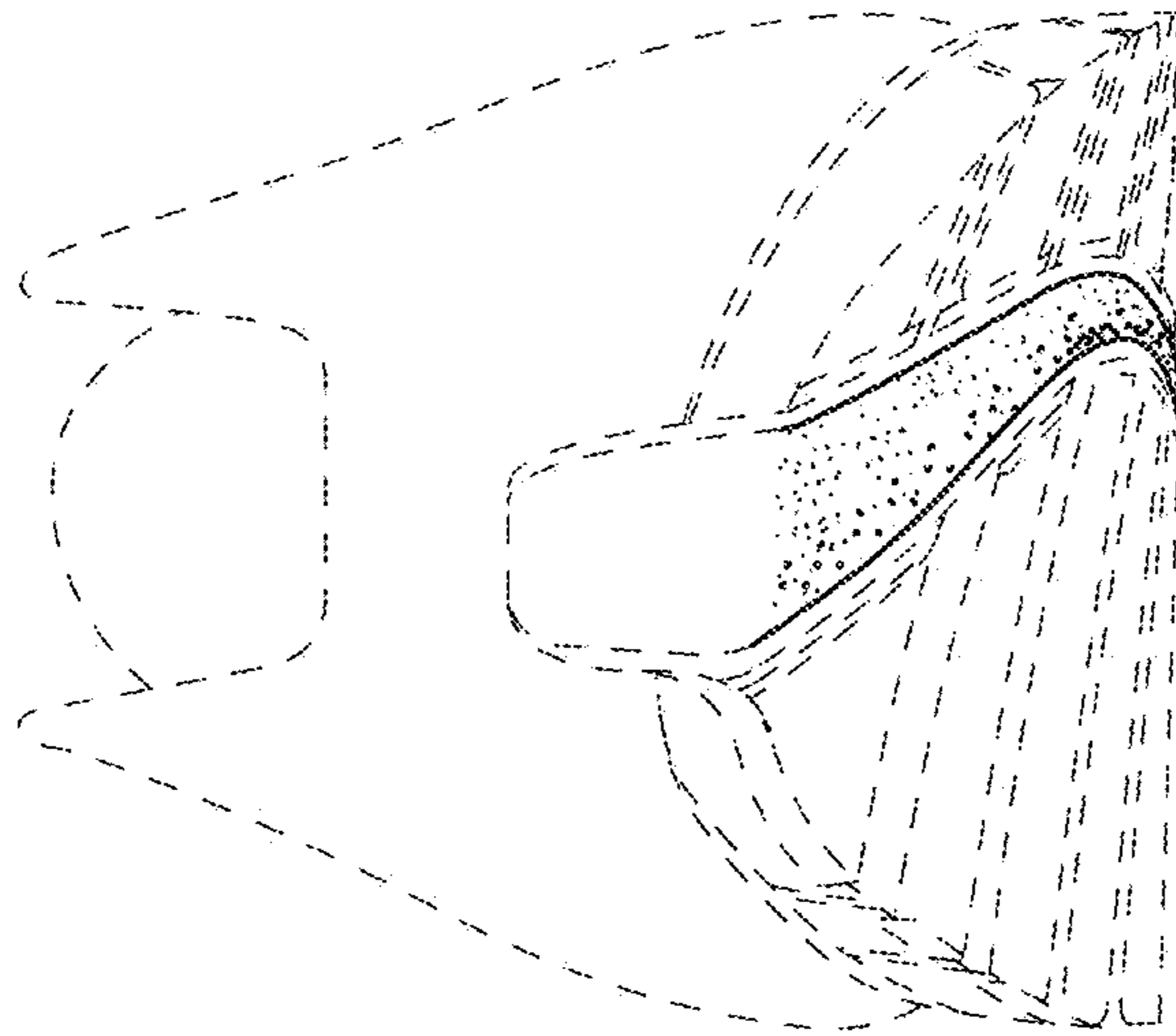


FIG.2

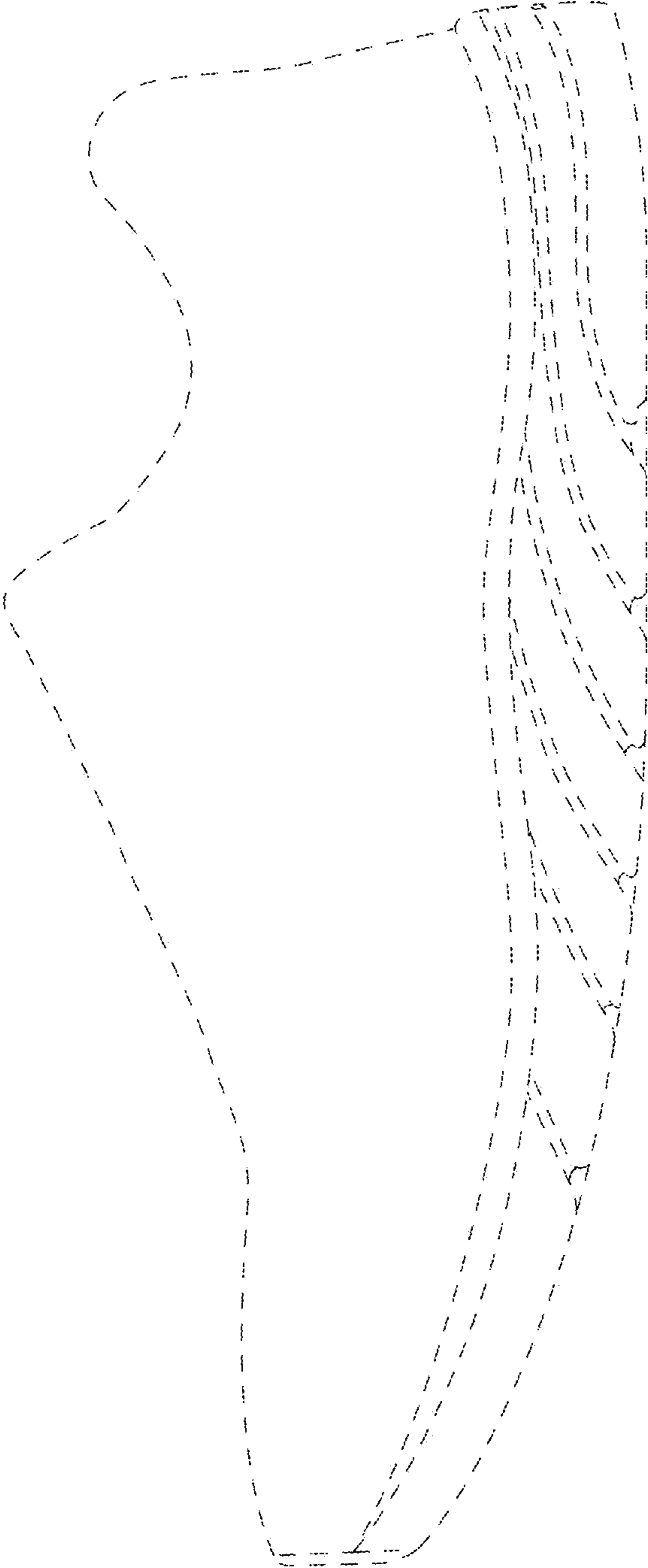


FIG.4

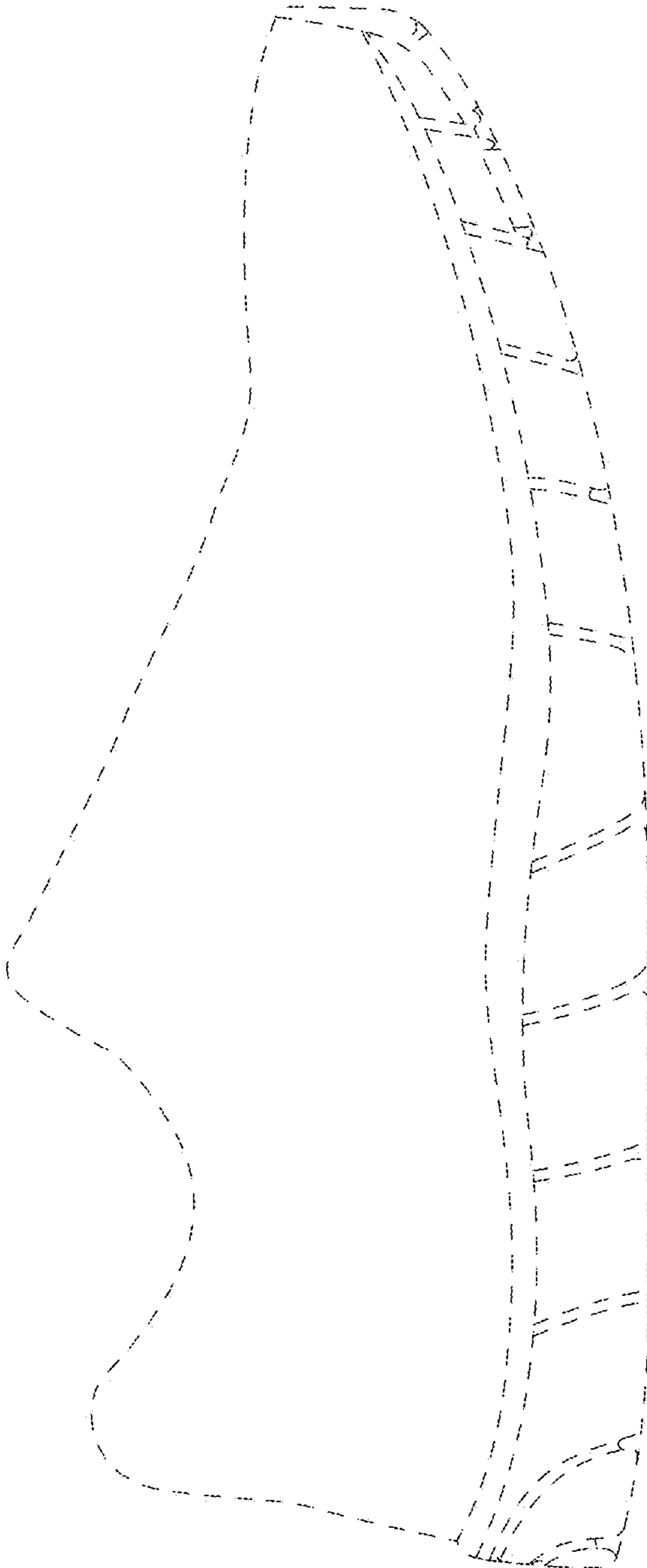


FIG.5

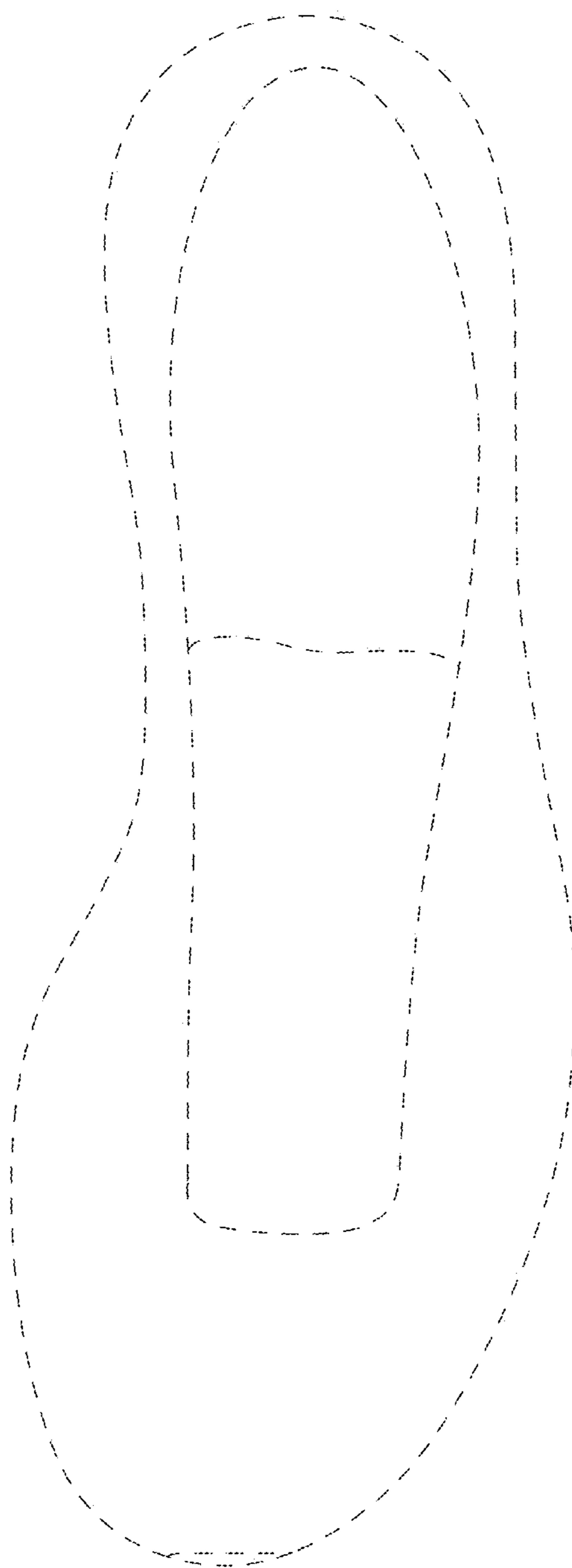


FIG.6

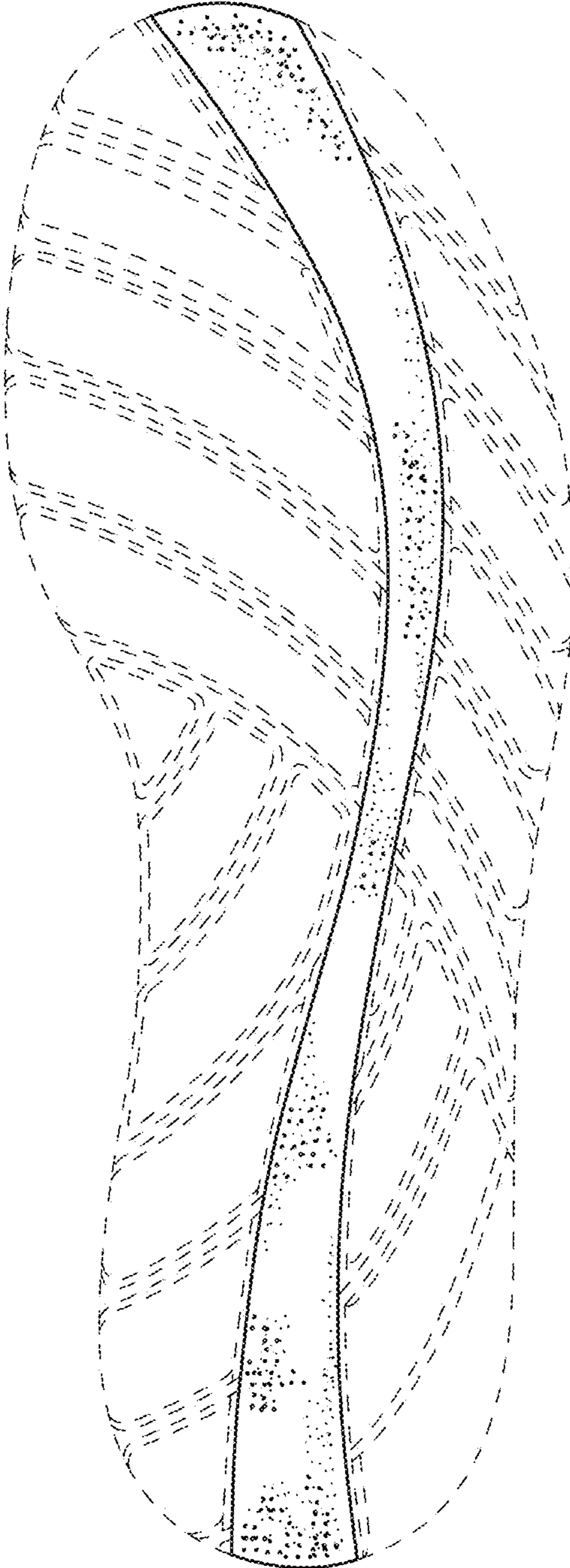


FIG.7