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

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(54) **SHOE SOLE**

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(**) Term: **14 Years**

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(51) **LOC (10) Cl.** **02-04**

(52) **U.S. Cl.**
USPC **D2/960**; D2/951; D2/953

(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
See application file for complete search history.

(56) **References Cited**

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	

(Continued)

FOREIGN PATENT DOCUMENTS

EP	0272082	6/1988
EP	0726037	8/1996

(Continued)

OTHER PUBLICATIONS

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.

(Continued)

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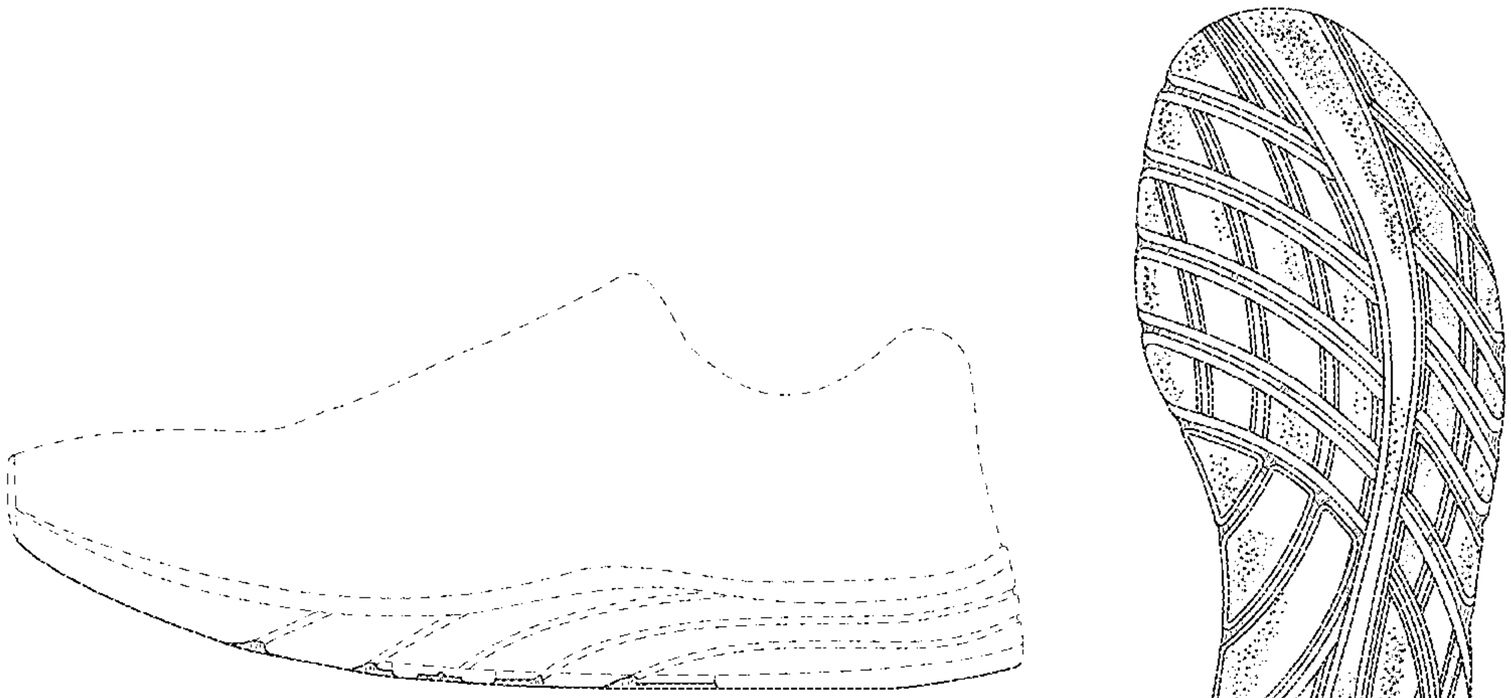
(57) **CLAIM**

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

DESCRIPTION

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

4,918,838	A		4/1990	Chang
4,942,677	A		7/1990	Flemming et al.
5,035,069	A		7/1991	Minden
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
5,461,800	A		10/1995	Luthi et al.
5,511,325	A		4/1996	Hieblinger
5,628,129	A		5/1997	Kilgore et al.
5,636,456	A		6/1997	Allen
5,678,327	A		10/1997	Halberstadt
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
6,006,449	A		12/1999	Orlowski et al.
6,009,641	A		1/2000	Ryan
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
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
D504,007	S	*	4/2005	Cintron 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
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
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
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 et al.
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. 13/970,274, filed Aug. 19, 2013, Tucker et al.
U.S. Appl. No. 29/428,044, filed Jul. 25, 2012, Tucker et al.
U.S. Appl. No. 29/428,047, 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).
"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.

(56) **References Cited**

OTHER PUBLICATIONS

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

* cited by examiner

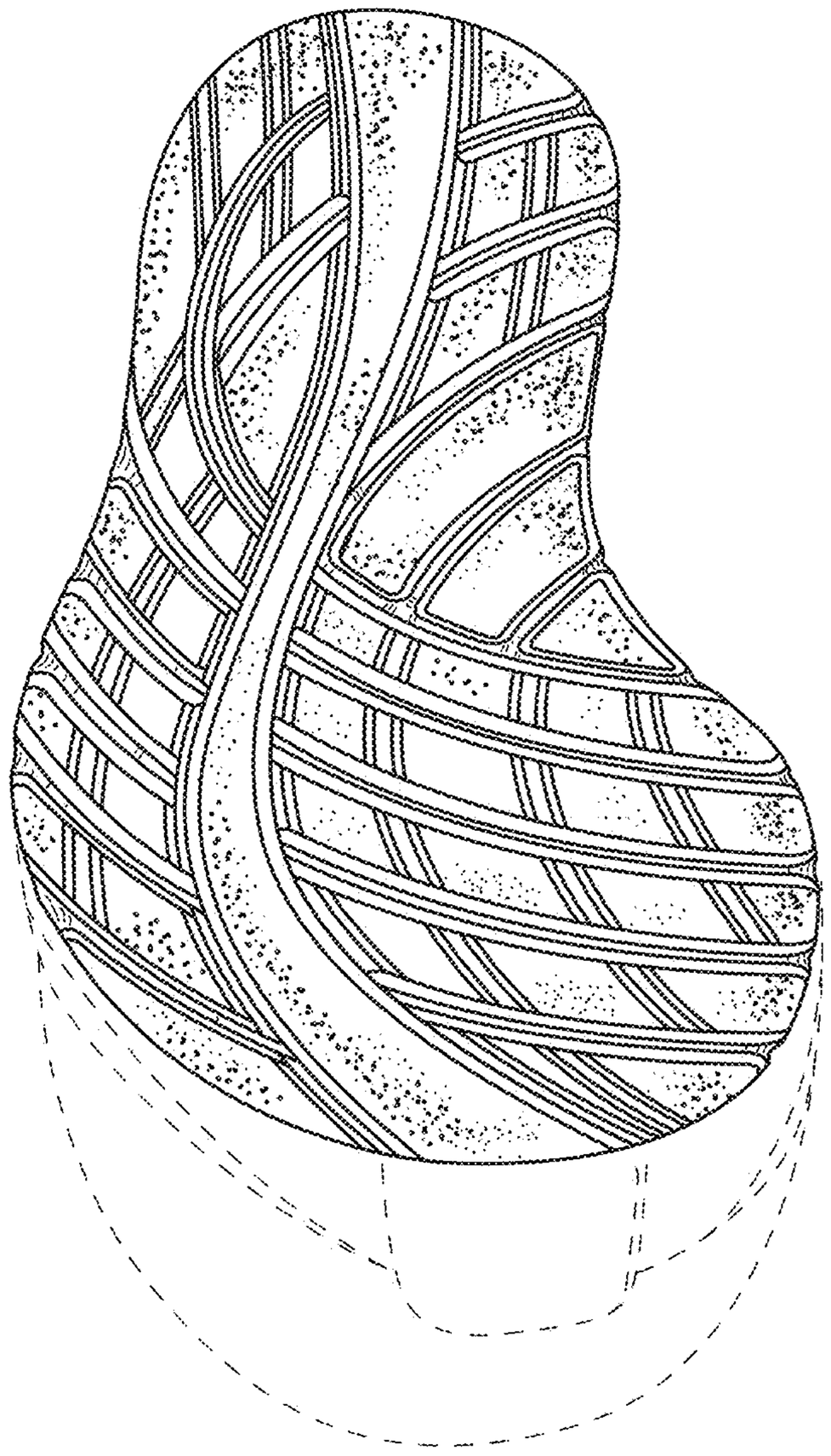


FIG.1

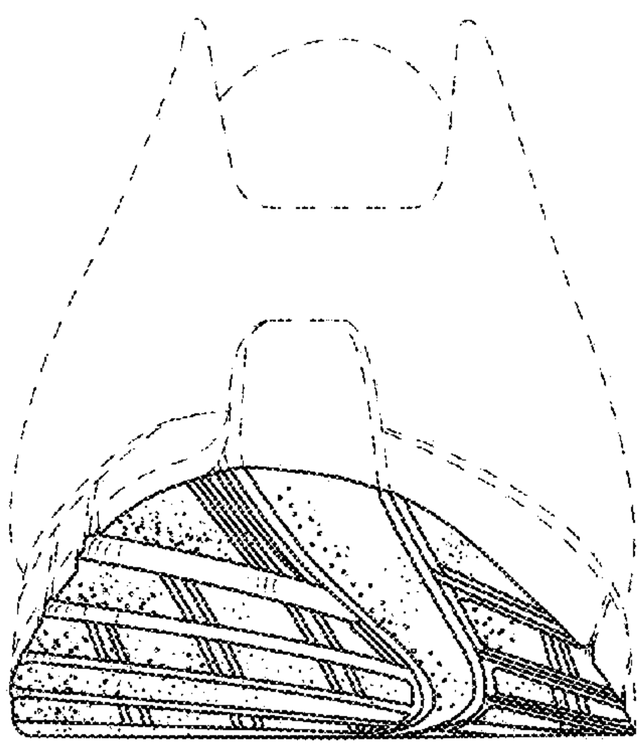


FIG.2

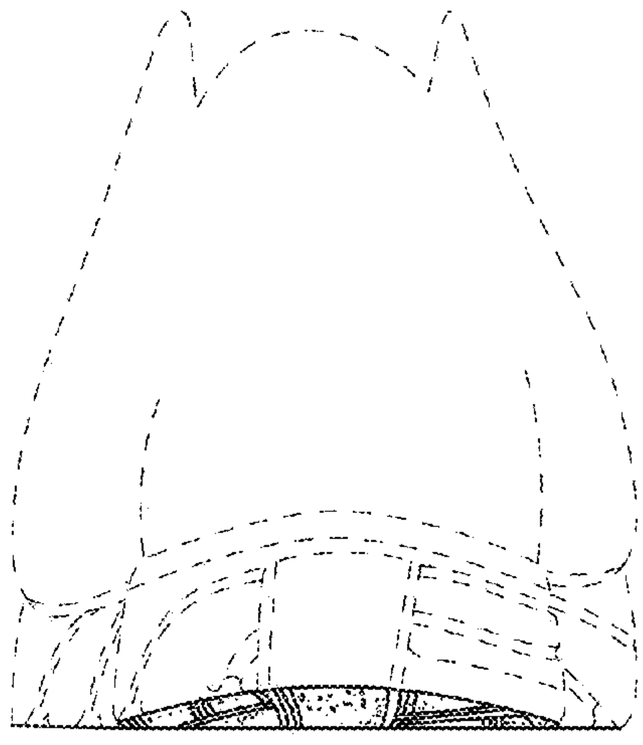


FIG.3

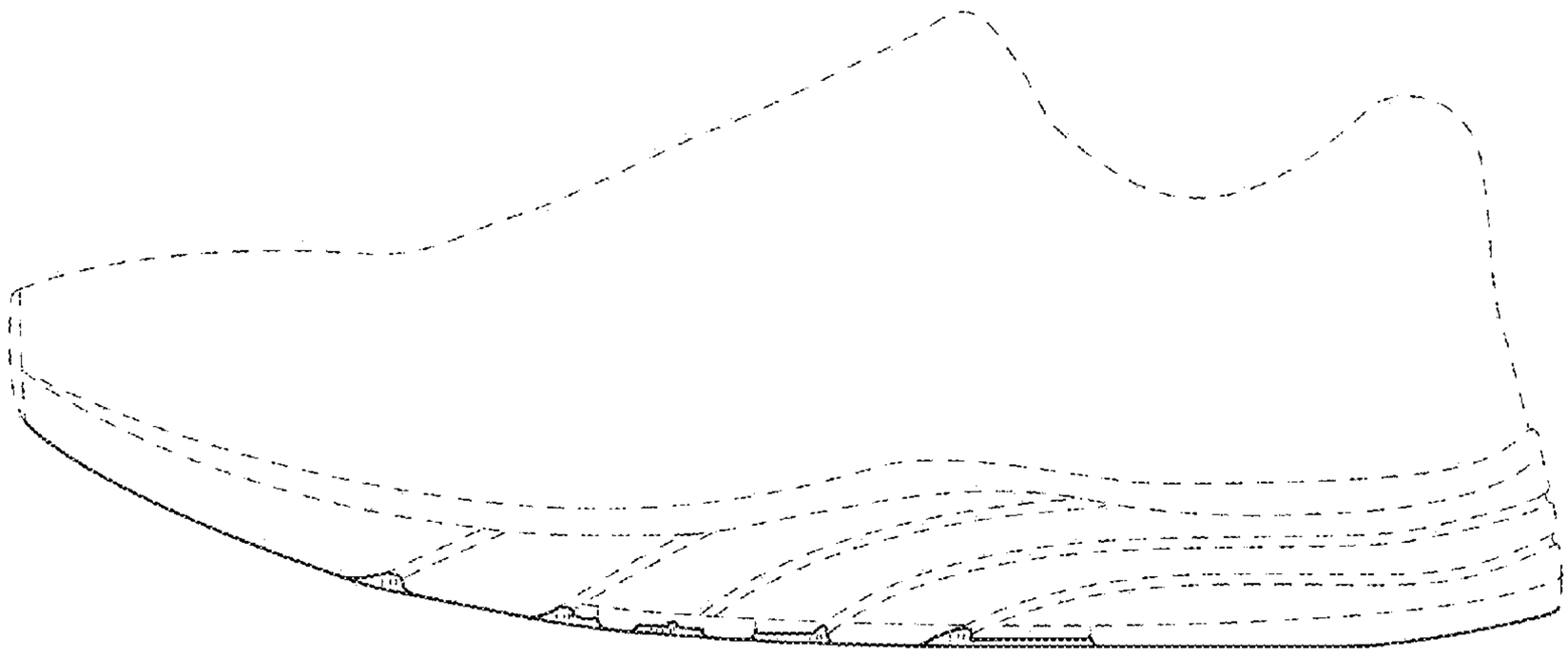


FIG.4

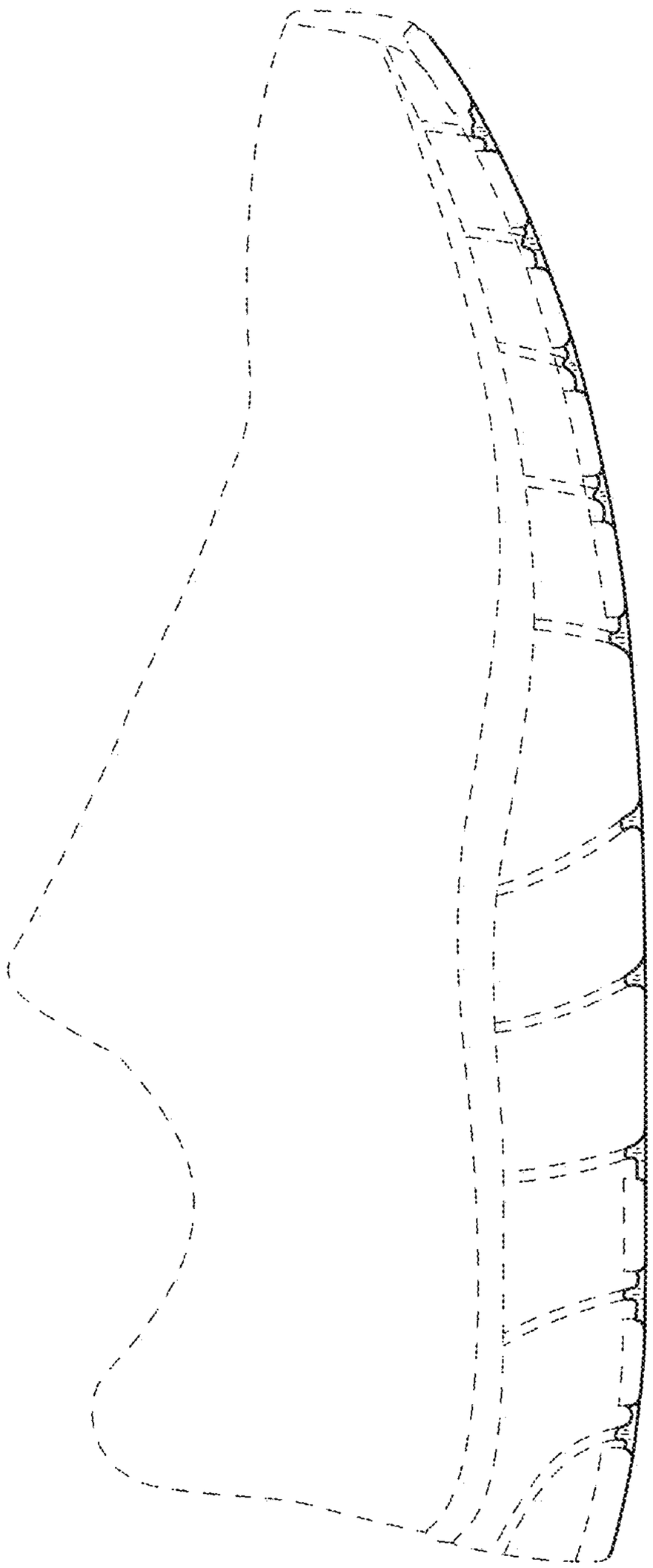


FIG.5

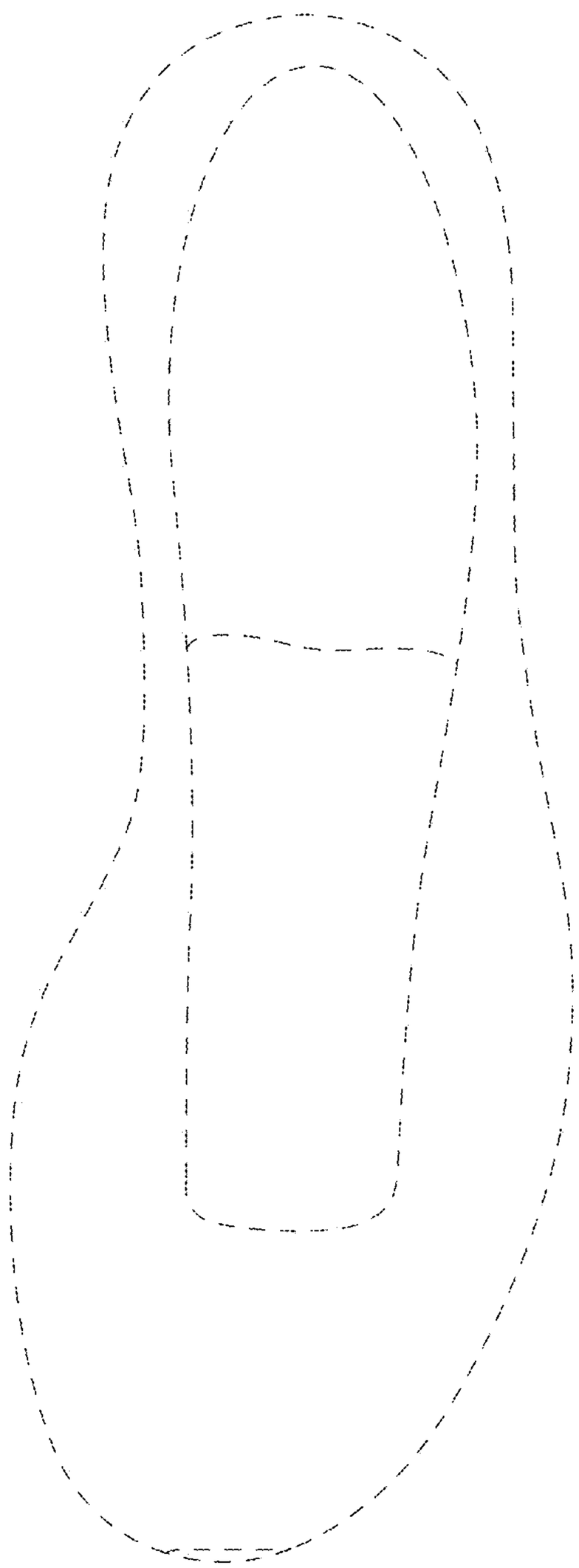


FIG.6

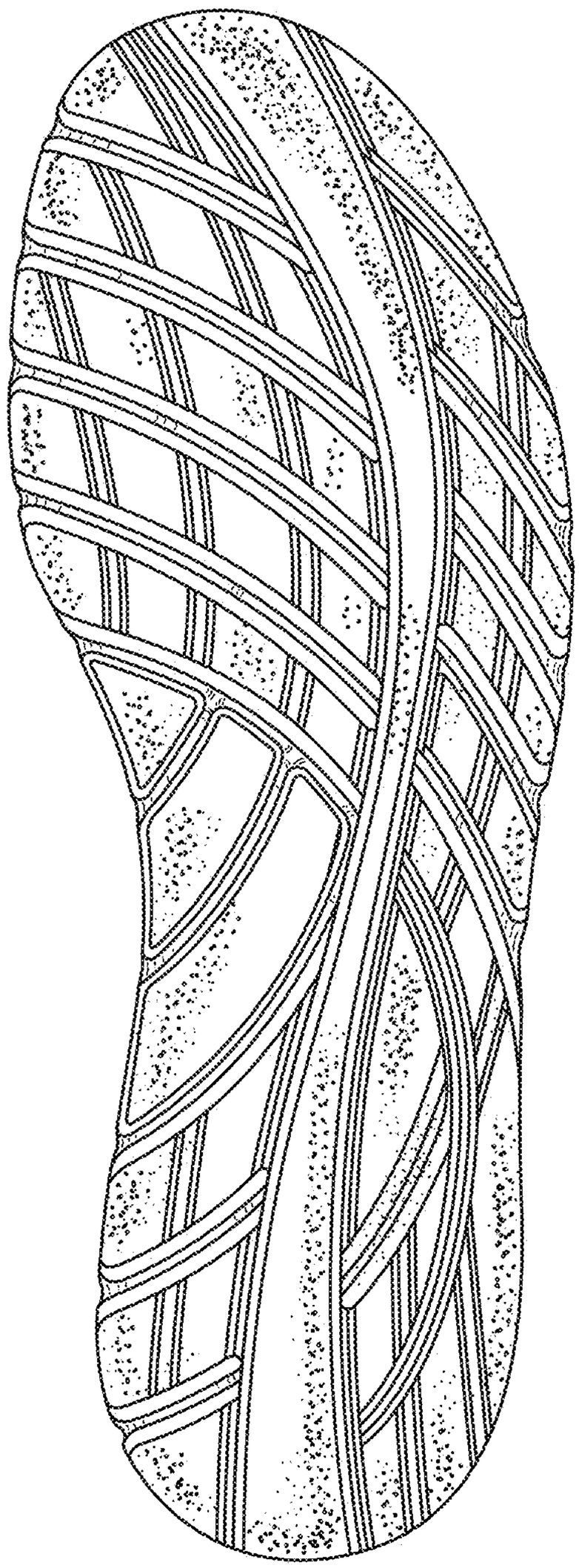


FIG.7