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(12) **United States Design Patent**  
**Dowling**

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(54) **SHOE**  
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D92,670 S 7/1934 Murray  
D97,945 S 12/1935 Lutz  
2,090,881 A 8/1937 Wilson  
D132,621 S 6/1942 Ivan  
D161,031 S 11/1950 MacLeod  
2,641,004 A 6/1953 Whiting et al.  
(Continued)

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FOREIGN PATENT DOCUMENTS

CN 2875129 Y 3/2007  
CN 201005124 Y 1/2008  
(Continued)

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OTHER PUBLICATIONS

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A43B 13/10; A43B 13/12; A43B 13/14;  
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See application file for complete search history.

(Continued)

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(56) **References Cited**

U.S. PATENT DOCUMENTS

D15,185 S 8/1884 Brooks  
1,433,309 A 10/1922 Stimpson  
D79,583 S 10/1929 Cutler  
D84,646 S 7/1931 Murray  
D86,958 S 5/1932 Hakim  
D90,233 S 7/1933 Daniels

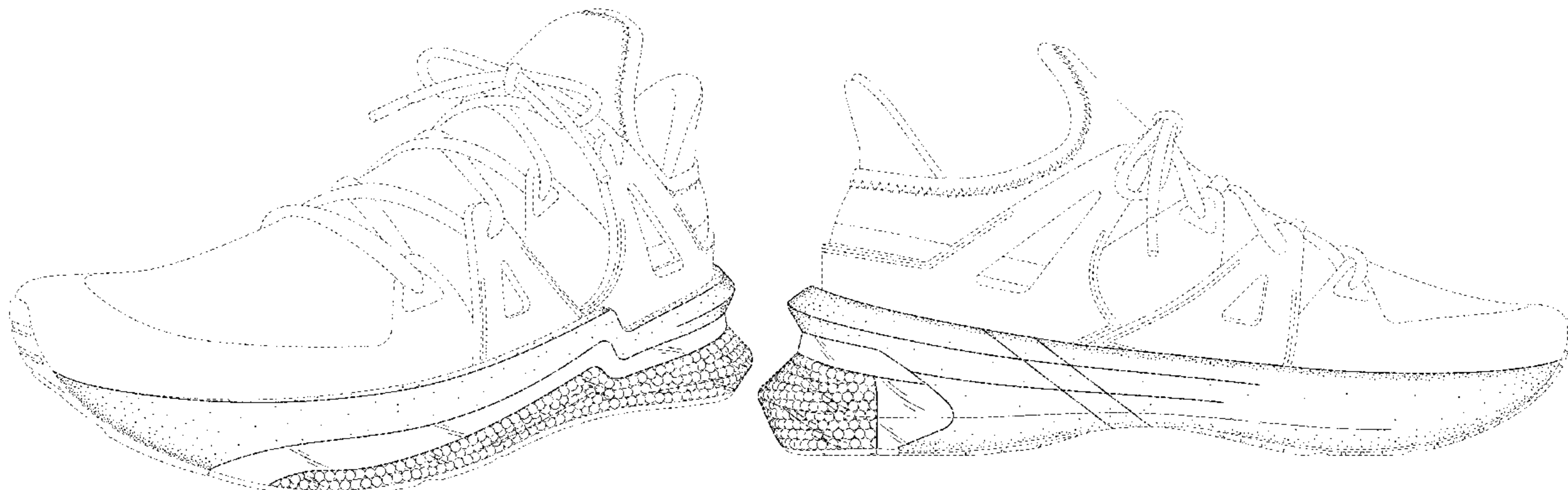
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a top, left, front perspective view of an ornamental design for a shoe;  
FIG. 2 is a front elevational view of the shoe of FIG. 1;  
FIG. 3 is a rear elevational view of the shoe of FIG. 1;  
FIG. 4 is a left side elevational view of the shoe of FIG. 1;  
FIG. 5 is a right side elevational view of the shoe of FIG. 1;  
FIG. 6 is a top plan view of the shoe of FIG. 1; and,  
FIG. 7 is a bottom plan view of the shoe of FIG. 1.  
The broken lines are included for the purpose of illustrating portions of the shoe that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

## References Cited

## U.S. PATENT DOCUMENTS

D171,331 S	1/1954	Haines et al.	D339,906 S	10/1993	Frachey et al.
3,087,262 A	4/1963	Russell	D340,349 S	10/1993	Kilgore et al.
D196,491 S	10/1963	Papoutsy	D340,350 S	10/1993	Kilgore et al.
D206,222 S	11/1966	Mostile	D340,797 S	11/1993	Pallera et al.
3,469,576 A	9/1969	Smith	D341,700 S	11/1993	Avar
D216,246 S	12/1969	Mistarz	D343,044 S	1/1994	Kilgore et al.
3,573,155 A	3/1971	Mitchell	5,313,717 A	5/1994	Allen et al.
3,629,051 A	12/1971	Mitchell	5,329,705 A	7/1994	Grim et al.
3,971,839 A	7/1976	Taylor	D350,013 S	8/1994	Gitelman
D241,484 S	9/1976	Castano	D350,222 S	9/1994	Hase
4,089,069 A	5/1978	Vistins	5,383,290 A	1/1995	Grim
4,112,599 A	9/1978	Krippelz	D356,438 S	3/1995	Opie et al.
D254,578 S	4/1980	Finn	D356,885 S	4/1995	Poole, Jr.
D255,171 S	6/1980	Bowers	D362,956 S	10/1995	Martin et al.
D255,178 S	6/1980	Fuzita	D365,920 S	1/1996	Schneider
D255,286 S	6/1980	Fuzita	D366,955 S	2/1996	Valle
D256,067 S	7/1980	Hagg et al.	D371,896 S	7/1996	McMullin
D263,348 S	3/1982	Cohen	D373,013 S	8/1996	Rosetta
D263,518 S	3/1982	Cohen	5,542,195 A	8/1996	Sessa
D265,017 S	6/1982	Vermonet	D373,896 S	9/1996	Parker
D265,019 S	6/1982	Vermonet	5,575,088 A	11/1996	Allen et al.
D265,437 S	7/1982	Vermonet	5,595,005 A	1/1997	Throneburg et al.
4,345,387 A	8/1982	Daswick	5,607,749 A	3/1997	Strumor
4,399,620 A	8/1983	Funck	D378,871 S	4/1997	Hatfield
D272,963 S	3/1984	Muller et al.	D384,794 S	10/1997	Merceron
D274,956 S	8/1984	Saruwatari	D386,589 S	11/1997	Cass
4,501,076 A	2/1985	Dodds	D386,590 S	11/1997	Cass
4,557,059 A	12/1985	Misevich et al.	D386,591 S	11/1997	Kuerbis
D287,902 S	1/1987	Forsyth	D387,546 S	12/1997	Pearce
4,658,515 A	4/1987	Oatman	D389,991 S	2/1998	Elliott
D290,182 S	6/1987	Chen	D390,349 S	2/1998	Murai et al.
D293,271 S	12/1987	Lussier	D391,045 S	2/1998	Assous
D293,275 S	12/1987	Bua	D391,748 S	3/1998	Koh
D293,620 S	1/1988	Liggett et al.	D393,299 S	4/1998	Hunt
D295,917 S	5/1988	Brown et al.	D395,738 S	7/1998	Hatfield et al.
D296,039 S	6/1988	Diaz	D396,341 S	7/1998	Lozano et al.
D296,149 S	6/1988	Diaz	D397,236 S	8/1998	Wilmot
D296,954 S	8/1988	Tong	D398,740 S	9/1998	Hewett
D297,682 S	9/1988	Le	D398,748 S	9/1998	Hatfield et al.
D298,483 S	11/1988	Liggett et al.	D399,041 S	10/1998	Teague
D298,582 S	11/1988	Caire	D400,345 S	11/1998	Teaque
D299,581 S	1/1989	Friedenberg	D401,397 S	11/1998	Chen
4,845,863 A	7/1989	Yung-Mao	D401,743 S	12/1998	Wunsch
4,858,340 A	8/1989	Pasternak	D405,595 S	2/1999	Kayano
D304,520 S	11/1989	Clark	D407,892 S	4/1999	Gaudio
D304,521 S	11/1989	Clark	5,890,248 A	4/1999	Gee
D305,382 S	1/1990	Kiyosawa	D411,579 S	6/1999	Dolinsky
D306,793 S	3/1990	Schwartz	5,909,719 A	6/1999	Throneburg et al.
D307,971 S	5/1990	Maccano et al.	D414,920 S	10/1999	Cahill
D308,285 S	6/1990	Sema	D415,607 S	10/1999	Merceron
D310,293 S	9/1990	Sema et al.	D415,610 S	10/1999	Cahill
D310,295 S	9/1990	Boucher et al.	D415,876 S	11/1999	Cahill
D311,989 S	11/1990	Parker et al.	D416,669 S	11/1999	Parr et al.
D312,920 S	12/1990	Aveni	5,996,252 A	12/1999	Cougar
D313,113 S	12/1990	Aveni	D422,780 S	4/2000	Aguerre
D319,535 S	9/1991	Hatfield	D423,199 S	4/2000	Cahill
D320,689 S	10/1991	Smith	6,061,928 A	5/2000	Nichols
D321,589 S	11/1991	Merk et al.	D426,053 S	6/2000	Santa
D321,973 S	12/1991	Hatfield	6,076,283 A	6/2000	Boie
D321,974 S	12/1991	Hatfield	D429,874 S	8/2000	Gumbert
D324,762 S	3/1992	Hatfield	D431,346 S	10/2000	Birkenstock
D324,940 S	3/1992	Claveria	6,127,010 A	10/2000	Franklin
D328,815 S	8/1992	Legacki et al.	6,187,837 B1	2/2001	Pearce
D329,528 S	9/1992	Hatfield	D442,767 S	5/2001	Della Valle
D329,940 S	10/1992	Hatfield	D444,620 S	7/2001	Della Valle
D330,454 S	10/1992	Elliot	6,258,421 B1	7/2001	Potter
5,152,081 A	10/1992	Hallenbeck et al.	D446,002 S	8/2001	Leong et al.
D330,627 S	11/1992	Frachey et al.	D446,637 S	8/2001	Patterson et al.
D330,629 S	11/1992	Bramani	D448,544 S	10/2001	Della Valle
5,222,311 A	6/1993	Lin	6,308,438 B1	10/2001	Throneburg et al.
D337,650 S	7/1993	Thomas, III et al.	6,314,661 B1	11/2001	Chern
D339,447 S	9/1993	McDonald	6,341,432 B1	1/2002	Muller
D339,448 S	9/1993	Teague	D460,852 S	7/2002	Daudier
D339,454 S	9/1993	Hatfield	6,418,641 B1	7/2002	Schenkel
D339,675 S	9/1993	Austin	D461,299 S	8/2002	McClaskie
			D461,947 S	8/2002	Merceron
			D469,948 S	2/2003	Lin
			D470,296 S	2/2003	Masullo
			D474,330 S	5/2003	McClaskie

(56)

## References Cited

## U.S. PATENT DOCUMENTS

D475,512 S	6/2003	Chen	D603,151 S	11/2009	Roundhouse
D479,643 S	9/2003	OShea et al.	D604,033 S	11/2009	Feldman
D482,851 S	12/2003	McClaskie	D605,837 S	12/2009	Andersen et al.
D483,932 S	12/2003	Cooper	D607,190 S	1/2010	McClaskie
D485,973 S	2/2004	Adams	D608,082 S	1/2010	Lemaster
D489,880 S	5/2004	McClaskie	D608,997 S	2/2010	Loverin
D490,223 S	5/2004	McClaskie	7,665,230 B2	2/2010	Dojan et al.
D490,233 S	5/2004	Cooper	D610,788 S	3/2010	Della Valle
6,739,074 B2	5/2004	Trommer	D611,233 S	3/2010	Della Valle et al.
D492,101 S	6/2004	Issler	7,676,955 B2	3/2010	Dojan et al.
D492,475 S	7/2004	Adams	7,676,956 B2	3/2010	Dojan et al.
D494,343 S	8/2004	Morris	7,703,219 B2	4/2010	Beck
6,782,640 B2	8/2004	Westin	D616,183 S	5/2010	Skaja
D495,861 S	9/2004	Georgiou et al.	D616,640 S	6/2010	Werman
D496,149 S	9/2004	Belley et al.	D617,540 S	6/2010	McClaskie
6,817,113 B2	11/2004	Pan	D620,695 S	8/2010	McCarthy et al.
6,848,200 B1	2/2005	Westin	D624,291 S	9/2010	Henderson
D506,305 S	6/2005	Link	D625,499 S	10/2010	Della Valle et al.
D509,649 S	9/2005	McClaskie	7,805,859 B2	10/2010	Finkelstein
6,948,264 B1	9/2005	Lyden	D626,321 S	11/2010	Cagner
6,957,504 B2	10/2005	Morris	7,841,108 B2	11/2010	Johnson et al.
D511,037 S	11/2005	Della Valle	D629,185 S	12/2010	Vico et al.
D511,610 S	11/2005	Della Valle	D631,237 S	1/2011	Genuin et al.
D512,208 S	12/2005	Kubo et al.	D631,646 S	2/2011	Muller
D513,836 S	1/2006	Magro et al.	D633,286 S	3/2011	Skaja
D515,297 S	2/2006	Acheson	D633,287 S	3/2011	Skaja
D522,740 S	6/2006	Dojan et al.	D636,156 S	4/2011	Della Valle et al.
7,086,179 B2	8/2006	Dojan et al.	D636,571 S	4/2011	Avar
7,086,180 B2	8/2006	Dojan et al.	D637,803 S	5/2011	Alvear et al.
7,100,310 B2	9/2006	Foxen et al.	D639,036 S	6/2011	Delavaldene et al.
D532,599 S	11/2006	Dojan et al.	D639,535 S	6/2011	Eggert et al.
D532,600 S	11/2006	Dojan et al.	8,079,159 B1	12/2011	Rosa
7,141,131 B2	11/2006	Foxen et al.	D661,073 S	6/2012	Della Valle et al.
D534,345 S	1/2007	Dojan et al.	D663,516 S	7/2012	Della Valle et al.
D538,017 S	3/2007	McClaskie	D668,845 S	10/2012	Huynh
D539,517 S	4/2007	Issler	D668,858 S	10/2012	Shaffer
D540,517 S	4/2007	McClaskie	D671,305 S	11/2012	Escobar
D547,541 S	7/2007	Schindler et al.	D671,306 S	11/2012	Tzenos
D548,435 S	8/2007	McClaskie	8,302,233 B2	11/2012	Spanks et al.
D549,934 S	9/2007	Horne et al.	D674,171 S	1/2013	Bramani et al.
D551,831 S	10/2007	Romero-Sanchez	D680,710 S	4/2013	Sundberg
D551,833 S	10/2007	Feller	D683,119 S	5/2013	Shyllon
D553,332 S	10/2007	McClaskie	D690,490 S	10/2013	Riddell
D556,982 S	12/2007	Harper et al.	D693,553 S	11/2013	McClaskie
D560,883 S	2/2008	McClaskie	D694,501 S	12/2013	Miner
D561,433 S	2/2008	McClaskie	D696,501 S	12/2013	Miner
D564,736 S	3/2008	Belley et al.	D696,502 S	12/2013	Miner
D566,934 S	4/2008	Della Valle	D696,503 S	12/2013	Miner
D568,035 S	5/2008	McClaskie	D697,297 S	1/2014	McClaskie
D570,581 S	6/2008	Polegato Moretti	8,657,979 B2	2/2014	Dojan et al.
D571,085 S	6/2008	McClaskie	8,671,591 B2	3/2014	Brown
D571,987 S	7/2008	Della Valle	D702,031 S	4/2014	Nakano
D572,440 S	7/2008	Polegato Moretti	D707,934 S	7/2014	Petrie
D572,441 S	7/2008	Moretti	D709,680 S	7/2014	Herath
D572,442 S	7/2008	Polegato Moretti	D711,081 S	8/2014	Miner
7,401,420 B2	7/2008	Dojan et al.	D713,623 S	9/2014	Lo
D576,380 S	9/2008	Morris	D719,327 S	12/2014	Lindner et al.
D576,780 S	9/2008	Jolicoeur	D721,474 S	1/2015	Miner
7,441,419 B1	10/2008	Dollyhite et al.	D722,220 S	2/2015	Miner
D586,090 S	2/2009	Turner et al.	D722,425 S	2/2015	Cin
7,484,318 B2	2/2009	Finkelstein	8,961,844 B2	2/2015	Baghdadi et al.
D590,140 S	4/2009	Della Valle	D727,608 S	4/2015	Steven et al.
D591,494 S	5/2009	Jolicoeur	9,009,991 B2	4/2015	Sills
D591,938 S	5/2009	Beauger	D730,638 S	6/2015	Christensen et al.
D595,489 S	7/2009	McClaskie	D731,763 S	6/2015	Solstad
D596,384 S	7/2009	Andersen et al.	D731,769 S	6/2015	Raysse
7,555,848 B2	7/2009	Aveni et al.	D734,600 S	7/2015	Gargiulo
7,556,846 B2	7/2009	Dojan et al.	D734,930 S	7/2015	Bikowski
7,559,107 B2	7/2009	Dojan et al.	9,078,493 B2	7/2015	Bradford
7,562,469 B2	7/2009	Dojan	D737,548 S	9/2015	Levy
D597,286 S	8/2009	Della Valle et al.	D738,078 S	9/2015	Raysse
D597,293 S	8/2009	Banik et al.	D738,602 S	9/2015	Qin
D599,091 S	9/2009	Della Valle et al.	D739,131 S	9/2015	Del Biondi
D599,993 S	9/2009	Issler	D739,132 S	9/2015	Del Biondi
D601,333 S	10/2009	McClaskie	9,125,454 B2	9/2015	De Roode et al.
			D740,003 S	10/2015	Herath
			D740,004 S	10/2015	Hoellmueller et al.
			D746,559 S	1/2016	Besanceney et al.
			D753,381 S	4/2016	Ostapenko

(56)

References Cited

U.S. PATENT DOCUMENTS

D756,085 S	5/2016	Spring	10,039,342 B2	8/2018	Reinhardt et al.
D756,620 S	5/2016	Boys	D827,258 S	9/2018	Pina
D758,056 S	6/2016	Galway et al.	D828,686 S	9/2018	Hoellmueller et al.
D759,358 S	6/2016	Cullen	D828,984 S	9/2018	Gibson
D765,361 S	9/2016	Johnsongriffin	D831,315 S	10/2018	Mahoney
D765,362 S	9/2016	Kuerbis	D831,317 S	10/2018	Jenkins et al.
D767,263 S	9/2016	Reiser	10,098,411 B2	10/2018	Hoffer et al.
D773,161 S	12/2016	Teteriatnikov	10,098,412 B2	10/2018	Hoffer et al.
D773,790 S	12/2016	Raysse	D833,129 S	11/2018	Fudalik
D773,791 S	12/2016	Raysse	D834,801 S	12/2018	Ceniceros
D776,410 S	1/2017	Galway et al.	10,149,512 B1	12/2018	Wurtz
D781,543 S	3/2017	Raysse	D836,892 S	1/2019	Jenkins et al.
D782,793 S	4/2017	Truelsen	D836,893 S	1/2019	Bischoff et al.
D783,247 S	4/2017	McMillan	D840,135 S	2/2019	Dombrow
D783,974 S	4/2017	McMillan	D840,136 S	2/2019	Herath et al.
9,610,746 B2	4/2017	Wardlaw et al.	D840,137 S	2/2019	Herath et al.
D790,172 S	6/2017	Hatfield	10,226,099 B2	3/2019	Bischoff
D790,179 S	6/2017	McMillan	10,227,467 B2	3/2019	Baghdadi
D790,181 S	6/2017	Parrett	D844,952 S	4/2019	Taylor
9,682,522 B2	6/2017	Baghdadi et al.	D844,953 S	4/2019	Chen et al.
D790,817 S	7/2017	Perkins et al.	D846,255 S	4/2019	Khalife
D791,452 S	7/2017	Dombrow	D846,256 S	4/2019	Khalife
D792,067 S	7/2017	Raysse	10,259,183 B2	4/2019	Wardlaw et al.
D793,053 S	8/2017	Cin	D847,475 S	5/2019	Khalife
D793,680 S	8/2017	Lee	D847,480 S	5/2019	Khalife
D793,687 S	8/2017	Cin	D848,715 S	5/2019	Holmes
D793,688 S	8/2017	Avar et al.	D849,382 S	5/2019	Jenkins et al.
D794,289 S	8/2017	Kanata	10,279,581 B2	5/2019	Ashcroft et al.
D794,300 S	8/2017	Rosen	D850,083 S	6/2019	Jenkins et al.
9,743,705 B2	8/2017	Thomas et al.	D850,766 S	6/2019	Girard et al.
D796,170 S	9/2017	Raysse	D851,889 S	6/2019	Dobson et al.
D796,172 S	9/2017	Henrichot et al.	D852,475 S	7/2019	Hoellmueller
D797,417 S	9/2017	Lee et al.	D852,476 S	7/2019	Hartmann
D797,418 S	9/2017	Lee et al.	D853,094 S *	7/2019	Young ..... D2/947
D797,420 S	9/2017	Nykreim	D853,099 S	7/2019	Parrett
D798,553 S	10/2017	Lee	D853,690 S	7/2019	Taylor
D799,178 S	10/2017	James	D853,691 S	7/2019	Coonrod et al.
D799,183 S	10/2017	Weeks	D853,699 S	7/2019	Coonrod et al.
D800,433 S	10/2017	Kuerbis	D854,288 S	7/2019	Raasch
D801,011 S	10/2017	Del Biondi et al.	D854,294 S	7/2019	McMillan
D801,015 S	10/2017	Gibson	D854,296 S	7/2019	Hardman
9,775,769 B2	10/2017	Brown et al.	D854,297 S	7/2019	Hardman
9,781,970 B2	10/2017	Wardlaw et al.	D854,298 S	7/2019	Nethongkome
9,781,974 B2	10/2017	Reinhardt et al.	D855,297 S	8/2019	Motoki
9,788,598 B2	10/2017	Reinhardt et al.	D855,953 S	8/2019	Girard et al.
9,788,606 B2	10/2017	Reinhardt et al.	D856,650 S	8/2019	Schultze
9,795,186 B2	10/2017	Reinhardt et al.	D857,360 S	8/2019	Hardy
D801,653 S	11/2017	Small	D858,051 S	9/2019	Mace
D802,261 S	11/2017	Stillwagon	D858,960 S	9/2019	Mace
D802,270 S	11/2017	Kirschner	D858,961 S	9/2019	Mace
9,820,528 B2	11/2017	Reinhardt et al.	D859,801 S	9/2019	Jenkins et al.
D805,745 S	12/2017	Link	D860,616 S	9/2019	Cran
9,849,645 B2	12/2017	Wardlaw et al.	D862,047 S *	10/2019	Patillon ..... D2/908
D808,143 S	1/2018	Negri	D862,051 S	10/2019	Goussev et al.
D809,755 S	2/2018	Stavseng et al.	D864,540 S	10/2019	Rosen
D809,756 S	2/2018	Stavseng et al.	D866,137 S	11/2019	Kanata
D809,761 S	2/2018	Parrett	D866,144 S	11/2019	Kanata
D810,407 S	2/2018	DeAlmeida	D867,734 S	11/2019	Dieudonne
D811,062 S	2/2018	Teague	D867,737 S	11/2019	Kanata
9,884,947 B2	2/2018	Prissok et al.	D868,440 S	12/2019	Dieudonne
D811,714 S	3/2018	Ngene	D869,833 S	12/2019	Hartmann
D812,882 S	3/2018	Jenkins et al.	D870,433 S	12/2019	Hartmann
D813,508 S	3/2018	Weeks	D871,731 S	1/2020	Behr
9,907,365 B2	3/2018	Downing et al.	D871,732 S	1/2020	Behr
9,926,423 B2	3/2018	Baghdadi	D872,436 S	1/2020	Matthews
D814,752 S	4/2018	Ormsby	D872,437 S	1/2020	Matthews
9,930,928 B2	4/2018	Whiteman et al.	D872,438 S	1/2020	Matthews
D816,958 S	5/2018	Cin et al.	D873,545 S	1/2020	Hartmann
9,961,961 B2	5/2018	Smith	D874,098 S	2/2020	Hartmann
9,968,157 B2	5/2018	Wardlaw et al.	D874,099 S	2/2020	Hartmann
D819,307 S	6/2018	Wurtz	D874,107 S	2/2020	Girard
D819,310 S	6/2018	Lashmore	D874,801 S	2/2020	Hartmann
D819,317 S	6/2018	Wurtz	D875,358 S	2/2020	Vella
D819,942 S	6/2018	Cin et al.	D875,360 S	2/2020	Vella
D823,583 S	7/2018	Petrie	D875,361 S	2/2020	Girard
			D875,362 S	2/2020	Girard
			D875,383 S	2/2020	Mace
			D876,052 S	2/2020	Hartmann
			D876,055 S	2/2020	Hartmann

(56)

References Cited

U.S. PATENT DOCUMENTS

D876,063 S	2/2020	Matthews	2005/0022424 A1	2/2005	Held
D876,069 S	2/2020	Mace	2005/0188562 A1	9/2005	Clarke et al.
D876,757 S	3/2020	Hartmann	2005/0193592 A1	9/2005	Dua et al.
D876,776 S	3/2020	Matthews	2005/0229431 A1	10/2005	Gerlin
D876,791 S	3/2020	Gridley	2006/0021252 A1	2/2006	Throneburg et al.
D877,465 S	3/2020	Hartmann	2006/0026863 A1	2/2006	Liu
D877,466 S	3/2020	Hartmann	2006/0130363 A1	6/2006	Hottinger
D877,468 S	3/2020	Reyes	2006/0175036 A1	8/2006	Guerrero
D878,015 S	3/2020	Hartmann et al.	2006/0277788 A1	12/2006	Fujii
D878,021 S	3/2020	Mace	2007/0011914 A1	1/2007	Keen et al.
D878,025 S	3/2020	Hartmann	2007/0094892 A1	5/2007	Craig et al.
D879,424 S	3/2020	Hartmann et al.	2008/0005936 A1	1/2008	Chiu
D879,430 S	3/2020	Gerig	2008/0066341 A1	3/2008	Hottinger
D880,126 S	4/2020	Powers	2008/0110053 A1	5/2008	Dominquez et al.
D880,822 S	4/2020	Hartmann et al.	2008/0148599 A1	6/2008	Collins
D880,825 S	4/2020	Garcia	2008/0307679 A1	12/2008	Chiang et al.
D882,219 S	4/2020	Hartmann	2009/0013558 A1	1/2009	Hazenberg et al.
D882,222 S	4/2020	Garcia	2010/0005684 A1	1/2010	Nishiwaki et al.
D882,227 S	4/2020	Braun et al.	2010/0242309 A1	9/2010	McCann
D883,620 S	5/2020	Gridley	2011/0099845 A1	5/2011	Miller
D883,621 S	5/2020	Garcia	2011/0107622 A1	5/2011	Schwirian
D885,719 S	6/2020	Garcia	2011/0131832 A1	6/2011	Brandt
D885,721 S	6/2020	Williams	2011/0252670 A1	10/2011	Smith
D885,722 S	6/2020	Le	2012/0005920 A1	1/2012	Alvear et al.
D885,724 S	6/2020	Girard et al.	2012/0023784 A1	2/2012	Goldston et al.
D887,112 S	6/2020	Mace	2012/0186107 A1	7/2012	Crary et al.
D887,113 S	6/2020	Girard et al.	2012/0204451 A1	8/2012	De Roode et al.
D887,686 S *	6/2020	Sogorb ..... D2/947	2012/0210602 A1	8/2012	Brown
D887,691 S	6/2020	Vella	2013/0145653 A1	6/2013	Bradford
D887,693 S	6/2020	Hartmann et al.	2013/0227858 A1	9/2013	James
D889,788 S	7/2020	Yoshinaga et al.	2013/0247415 A1	9/2013	Kohatsu
D889,789 S	7/2020	Jenkins et al.	2013/0291409 A1	11/2013	Reinhardt et al.
D889,815 S	7/2020	Mace	2014/0137434 A1	5/2014	Craig
D890,485 S	7/2020	Perrault et al.	2014/0150292 A1	6/2014	Podhajny et al.
D890,488 S	7/2020	Vella	2014/0151918 A1	6/2014	Hartmann
D890,496 S	7/2020	Le	2014/0223776 A1	8/2014	Wardlaw et al.
D890,497 S	7/2020	Vella	2014/0223777 A1	8/2014	Whiteman et al.
D891,051 S	7/2020	Smith et al.	2014/0310986 A1	10/2014	Tamm et al.
D891,053 S	7/2020	Dance	2015/0096203 A1	4/2015	Brown et al.
D891,054 S	7/2020	Dance	2015/0196085 A1	7/2015	Westmoreland et al.
D891,738 S	8/2020	Garcia	2015/0250256 A1	9/2015	Podhajny
D892,480 S	8/2020	Mace	2015/0257481 A1	9/2015	Campos Fidencio et al.
D893,837 S	8/2020	Ni et al.	2015/0342296 A1	12/2015	Skaja et al.
D893,838 S	8/2020	Le	2015/0351493 A1	12/2015	Ashcroft et al.
D893,843 S	8/2020	Hartmann	2016/0007676 A1	1/2016	Leimer et al.
D893,855 S	8/2020	Gridley	2016/0037859 A1	2/2016	Smith et al.
D894,572 S *	9/2020	Lopez ..... D2/960	2016/0044992 A1	2/2016	Reinhardt et al.
D896,485 S *	9/2020	Williams ..... D2/947	2016/0150855 A1	6/2016	Peyton
D902,539 S	11/2020	Mace	2016/0227876 A1	8/2016	Le et al.
D903,252 S *	12/2020	Vella ..... D2/947	2016/0278481 A1	9/2016	Le et al.
D905,942 S	12/2020	Dance	2016/0295955 A1	10/2016	Wardlaw et al.
D906,653 S	1/2021	Le	2016/0302527 A1	10/2016	Meir
D907,344 S	1/2021	Girard	2016/0374428 A1	12/2016	Kormann et al.
D907,903 S	1/2021	Garcia	2017/0006958 A1	1/2017	Jeong
D909,723 S	2/2021	Girard et al.	2017/0020228 A1	1/2017	Scofield et al.
D909,739 S *	2/2021	Toelle ..... D2/972	2017/0253710 A1	9/2017	Smith et al.
D910,290 S	2/2021	Girard et al.	2017/0259474 A1	9/2017	Holmes et al.
D910,291 S *	2/2021	Zeng ..... A43B 1/0072 D2/947	2017/0303635 A1	10/2017	Kazarian
D911,682 S	3/2021	Girard et al.	2017/0341325 A1	11/2017	Le et al.
D911,683 S	3/2021	Girard et al.	2017/0354568 A1	12/2017	Brown et al.
D913,647 S	3/2021	Garcia	2018/0000197 A1	1/2018	Wardlaw et al.
D913,654 S	3/2021	Dance	2018/0035755 A1	2/2018	Reinhardt et al.
D916,445 S *	4/2021	Vella ..... D2/947	2018/0055137 A1	3/2018	Fraser et al.
D920,644 S	6/2021	Chipman	2018/0055144 A1	3/2018	Bischoff
D920,645 S	6/2021	Chipman	2018/0064210 A1	3/2018	Turner et al.
D921,342 S	6/2021	Girard et al.	2018/0077997 A1	3/2018	Hoffer et al.
D922,042 S	6/2021	Girard et al.	2018/0092432 A1	4/2018	Hoffer et al.
D922,743 S *	6/2021	Hardman ..... D2/947	2018/0100049 A1	4/2018	Prissok et al.
D928,479 S	8/2021	Le et al.	2018/0103719 A1	4/2018	Chen
D930,961 S	9/2021	Le	2018/0103725 A1	4/2018	Chen
2003/0046831 A1	3/2003	Westin	2018/0132487 A1	5/2018	Kormann et al.
2003/0115691 A1	6/2003	Mukherjee et al.	2018/0153252 A1	6/2018	Archer et al.
2003/0208925 A1	11/2003	Pan	2018/0153264 A1	6/2018	Amos et al.
2004/0148805 A1	8/2004	Morris	2018/0154598 A1	6/2018	Kurtz et al.
			2018/0168281 A1	6/2018	Case et al.
			2018/0199667 A1	7/2018	Wang
			2018/0206591 A1	7/2018	Whiteman et al.
			2018/0206599 A1	7/2018	Amos et al.
			2018/0213886 A1	8/2018	Connell et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2018/0235310 A1 8/2018 Wardlaw et al.  
 2018/0271211 A1 9/2018 Perrault et al.  
 2018/0271213 A1 9/2018 Perrault et al.  
 2018/0289108 A1 10/2018 Hoffer et al.  
 2018/0296821 A1 10/2018 Ho  
 2018/0303197 A1 10/2018 Chen et al.  
 2018/0303198 A1 10/2018 Reinhardt et al.  
 2018/0317591 A1 11/2018 Hollinger  
 2018/0317600 A1 11/2018 Campos et al.  
 2018/0317603 A1 11/2018 Gronlykke  
 2018/0338575 A1 11/2018 Elder et al.  
 2018/0352900 A1 12/2018 Hartmann et al.  
 2019/0029363 A1 1/2019 Lucca  
 2019/0069633 A1 3/2019 Lucca  
 2019/0069634 A1 3/2019 Lucca  
 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.  
 2019/0269200 A1 9/2019 Tseng  
 2019/0283394 A1 9/2019 Ashcroft et al.  
 2020/0008518 A1 1/2020 Souyri et al.  
 2020/0060383 A1 2/2020 Le  
 2020/0077741 A1 3/2020 Hurd  
 2020/0093221 A1 3/2020 Caldwell et al.  
 2020/0107608 A1 4/2020 Uzzeni  
 2020/0170342 A1 6/2020 Uzzeni  
 2021/0022443 A1\* 1/2021 Hoffer ..... A43B 1/0072

FOREIGN PATENT DOCUMENTS

CN 101484033 A 7/2009  
 CN 201767147 U 3/2011  
 CN 103717658 A 4/2014  
 CN 103976505 A 8/2014  
 CN 104470393 A 3/2015  
 CN 105982390 A 10/2016  
 CN 107048590 A 8/2017  
 CN 107849286 A 3/2018  
 CN 207186082 U 4/2018  
 DE 102010046278 A1 2/2011  
 DE 102011108744 A1 1/2013  
 EM 001286116-0005 7/2011  
 EM 002219956-0024 4/2013  
 EM 002772764-0015 9/2015  
 EM 003039619-0034 3/2016  
 EM 003330174-0003 3/2016  
 EM 003165984-0005 6/2016  
 EM 003315555-0001 7/2016  
 EM 003316389-0001 7/2016  
 EM 003344076-0002 8/2016  
 EM 003362672-0001 9/2016  
 EM 003522580-0029 12/2016  
 EM 003649060-0005 1/2017  
 EM 003649540-0001 1/2017  
 EM 003718311-0019 1/2017  
 EM 003761089-0028 2/2017  
 EM 003761113-0025 2/2017  
 EM 004352755-0004 9/2017  
 EM 004363935-0008 9/2017  
 EM 004366326-0001 9/2017  
 EM 004386571-0002 10/2017  
 EM 004543882-0008 12/2017  
 EM 004675411-0006 1/2018  
 EM 004812501-0004 3/2018  
 EM 005841939-0004 3/2018  
 EM 005191004-0010 4/2018  
 EM 005243227-0002 4/2018  
 EM 005260023-0003 5/2018  
 EM 005278413-0002 5/2018  
 EM 005320371-0002 6/2018

EM 005612025-0001 8/2018  
 EM 006335345-0003 3/2019  
 EP 0383685 A1 8/1990  
 EP 1738889 A1 1/2007  
 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  
 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  
 FR 2709047 A1 2/1995  
 JP 10248610 A 9/1998  
 JP 1146806 2/1999  
 JP 2000316606 A 11/2000  
 JP 2002535468 A 10/2002  
 JP 2004161987 A 6/2004  
 JP 2007185353 A 7/2007  
 JP 2011177206 A 9/2011  
 JP 2014151210 A 8/2014  
 JP 2015077475 A 4/2015  
 WO 9929203 A1 6/1999  
 WO 0101806 A1 1/2001  
 WO 2005066250 A1 7/2005  
 WO 2006066256 A2 6/2006  
 WO 2007024523 A1 3/2007  
 WO 2007082838 A1 7/2007  
 WO 20070139832 A2 12/2007  
 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 102274-006 7/2018  
 WO 2018169535 A1 9/2018  
 WO 2018169537 A1 9/2018  
 WO 2018175734 A1 9/2018  
 WO 103418-013 10/2018  
 WO 2019029781 A1 2/2019  
 WO 2019073607 A1 4/2019  
 WO 2019101339 A1 5/2019  
 WO 2019150492 A1 8/2019

OTHER PUBLICATIONS

Hybrid NX Ozone Men's Running Shoes, Us.Puma.com, [online], [site visited Sep. 8, 2020]. <URL: [https://us.puma.com/en/us/pd/hybrid-nx-ozone-mens-running-shoes/193384.html?dwvar 193384\\_color=06](https://us.puma.com/en/us/pd/hybrid-nx-ozone-mens-running-shoes/193384.html?dwvar 193384_color=06)> (Year: 2020).  
 Hybrid Astro Men's Running Shoes, Us.Puma.com, [online], [site visited Sep. 8, 2020]. <URL: [https://us.puma.com/en/us/pd/hybrid-astro-mens-running-shoes/192799.html?dwvar 192799\\_color=07](https://us.puma.com/en/us/pd/hybrid-astro-mens-running-shoes/192799.html?dwvar 192799_color=07)> (Year: 2020).

(56)

**References Cited**

## OTHER PUBLICATIONS

International Search Report for PCT/EP2017/000972, dated Oct. 25, 2017, 3 pages.

Notice of Reasons of Refusal issued in corresponding Japanese Application No. 2018-526089, dated Jun. 30, 2020, 11 pages.

First Office Action with First Search issued in corresponding Chinese Application No. 201580085133.6, dated Apr. 13, 2020, 15 pages.

International Search Report of International Application No. PCT/EP2018/060995, dated Jan. 17, 2019, 3 pages.

Adidas Mega Soft Cell, BX Sports's Weblog, Published on Aug. 6, 2010, [online], [site visited Jul. 29, 2019]. <URL: <https://bx97.wordpress.com/2010/08/06/adidas-mega-soft-cell-2/>> (Year: 2010).

Small beads for long distances, BASF, Published on Aug. 13, 2013, [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).

Zaleski, Andrew, "Who's Winning the 3D-Printed Shoe Race?" Fortune.com; Published on Dec. 15, 2015 [online] [site visited Aug. 6, 2019] <URL: <https://fortune.com/2015/12/15/3d-printed-shoe-race/>> (Year 2015), pp. 1-12.

Schlemmer, Zack, "New Balance Trailbuster Fresh Foam Drops in Two Monochrome Colorways," Sneaker News; Published on Apr. 22, 2017 [online] [site visited Aug. 6, 2019] <URL: <https://sneakernews.com/2017/04/22/new-balance-trailbuster-fresh-foam-drops-black-white/>>(Year 2017), pp. 1-8.

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

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

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).

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

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 November 9th" © 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 07/26/019]. <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://earther.gizmodo.com/did-nike-not-get-the-memo-on-plastic-beads-1836694806>> (Year 2019).

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).

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).

First Office Action from corresponding Chinese Patent Application No. 201880090530.6 dated Jun. 3, 2021 (13 pages) (English translation included).

Second Office Action from corresponding Chinese Patent Application No. 201780093796.1 dated Aug. 25, 2021 (11 pages) (English translation included).

First Office Action from corresponding Japanese Patent Application No. 2020-546945 dated Nov. 2, 2021 (8 pages) (English translation included).

\* cited by examiner

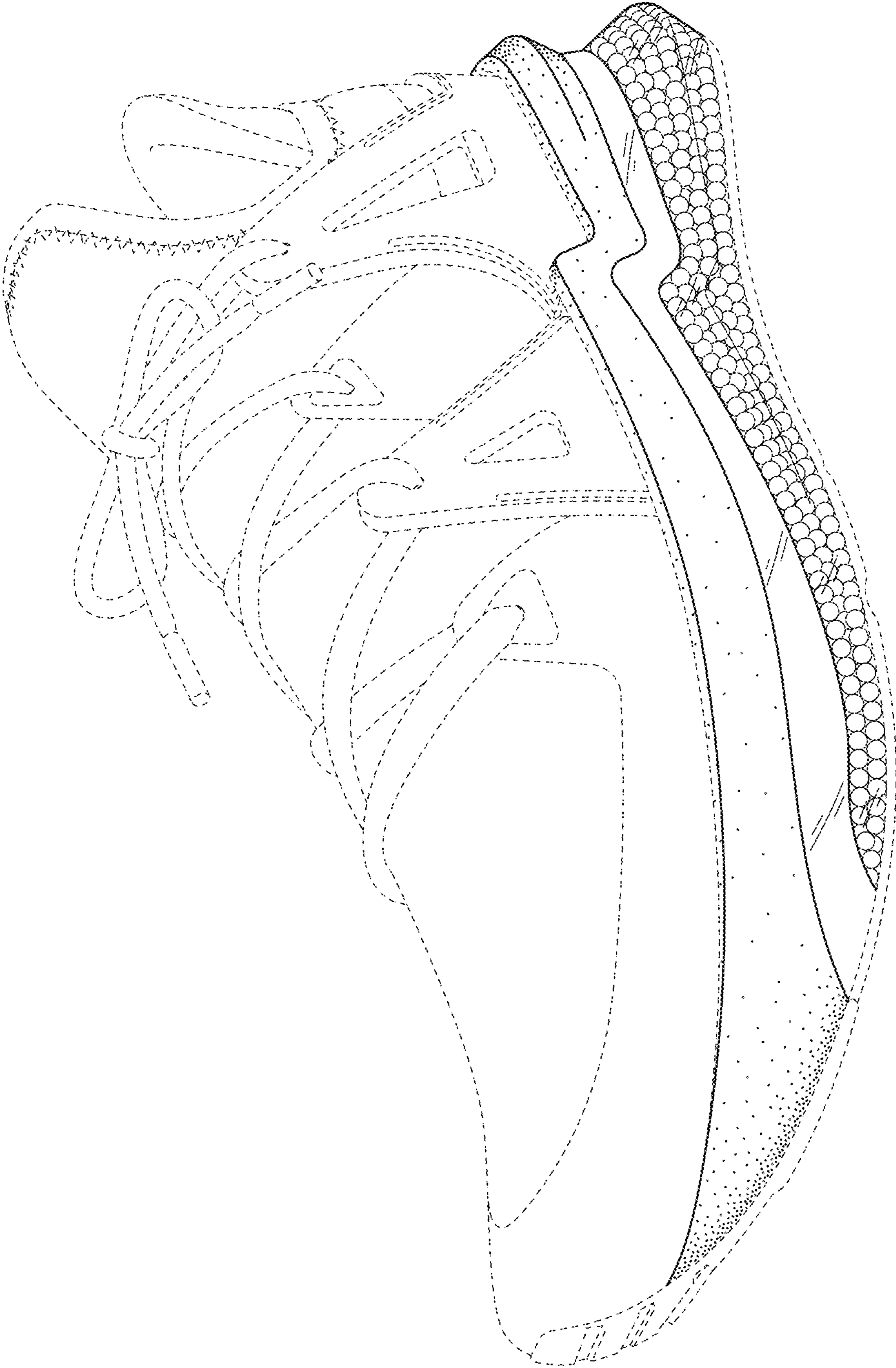


FIG. 1



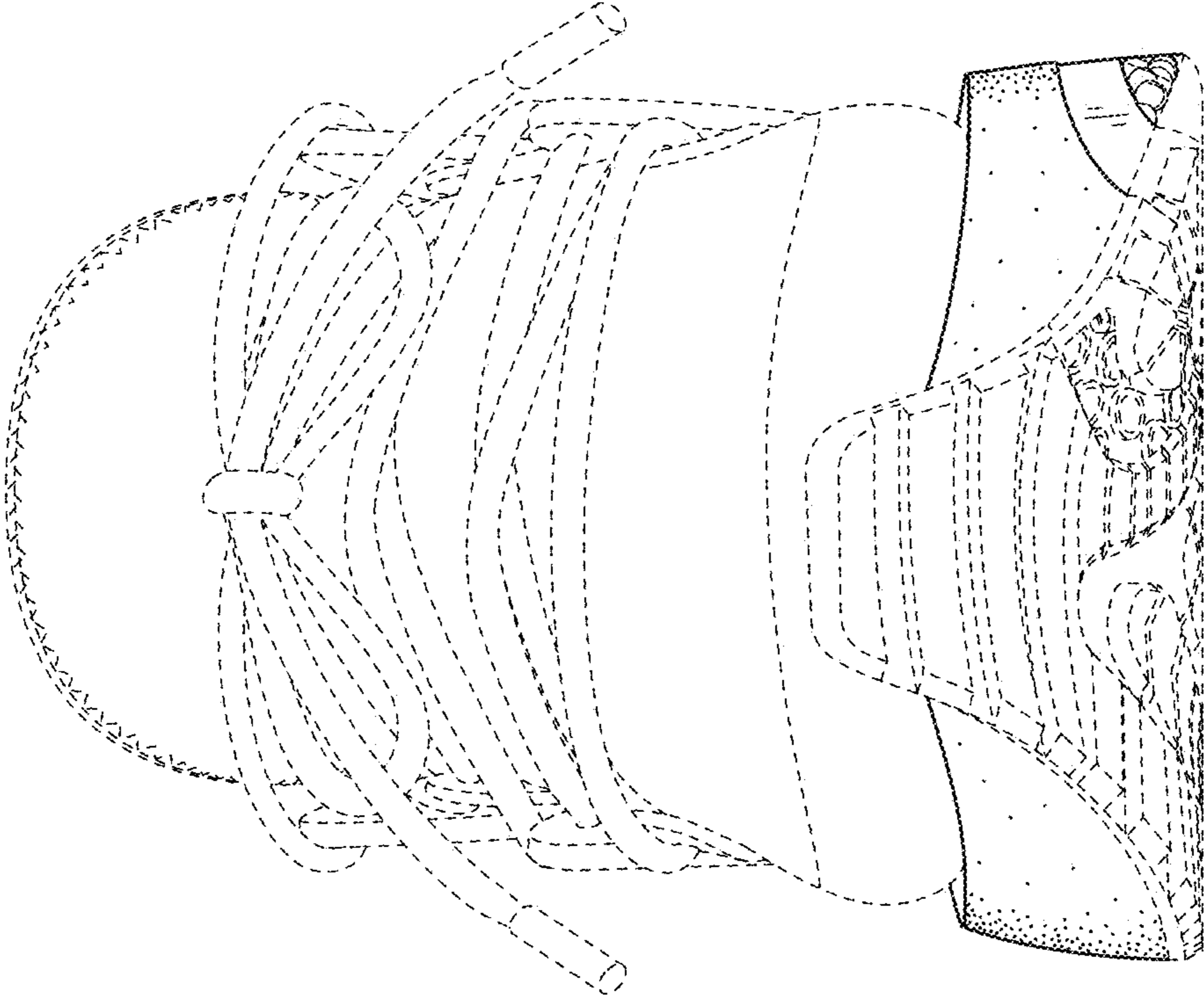


FIG. 2

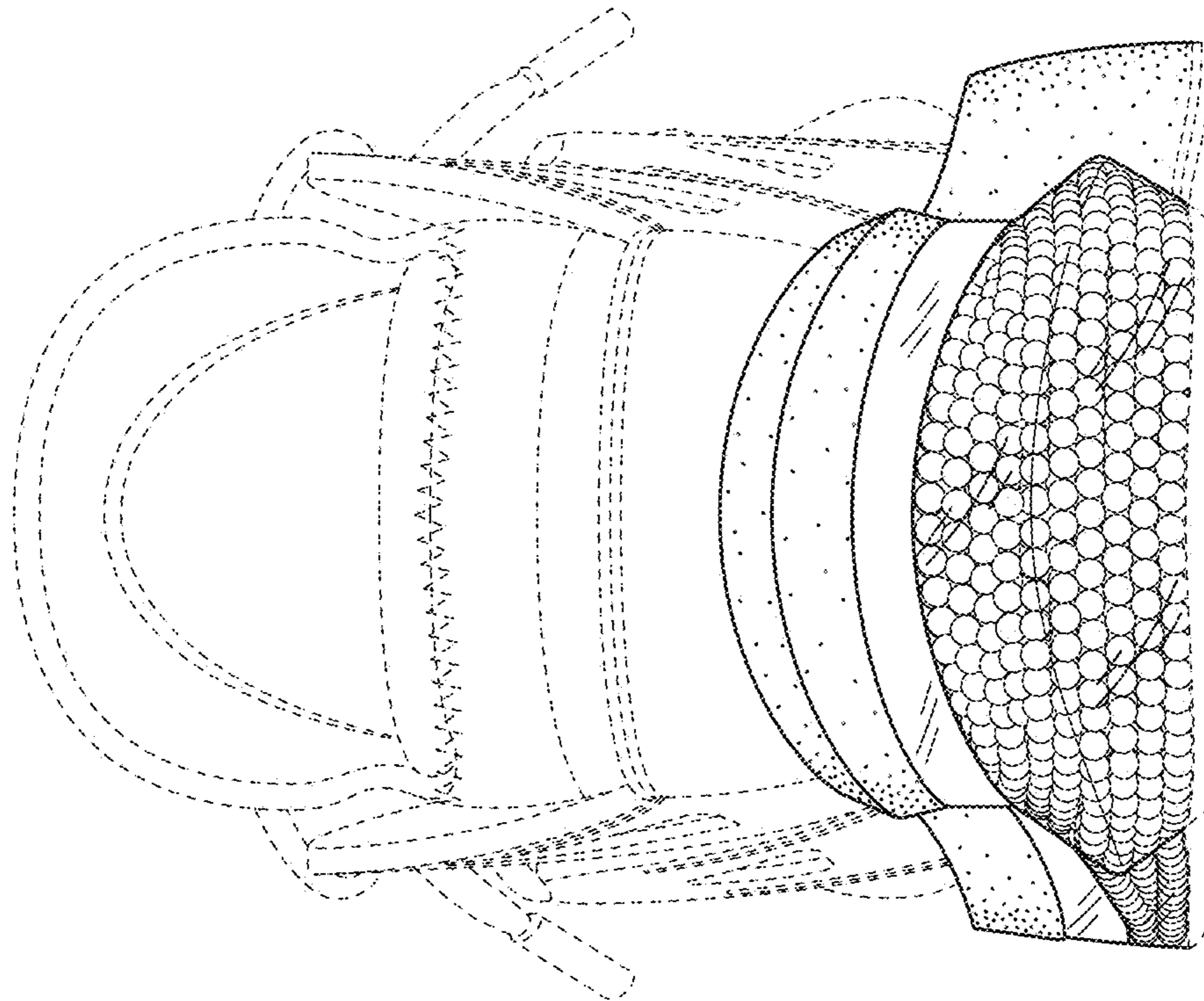


FIG. 3

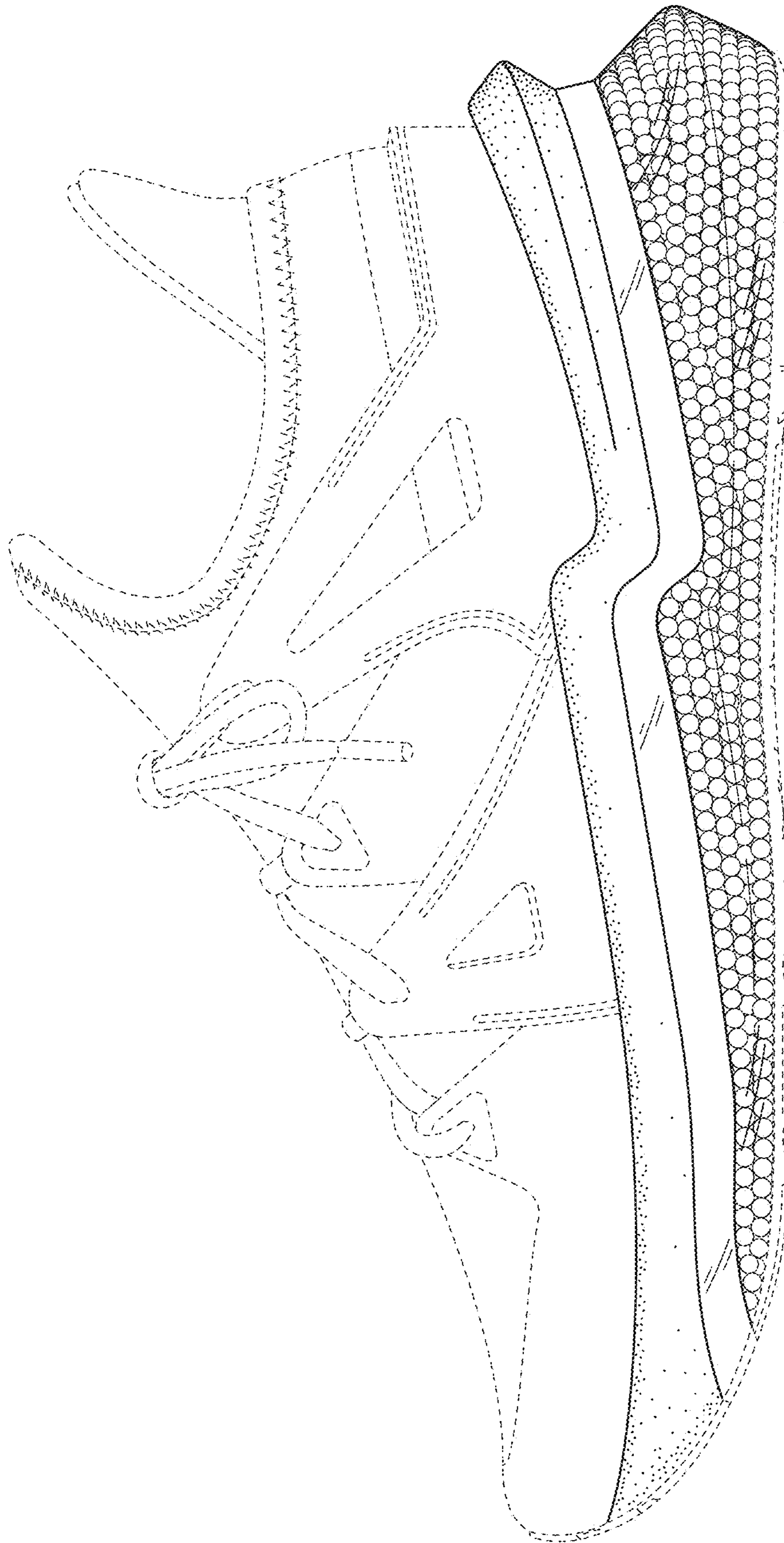


FIG. 4

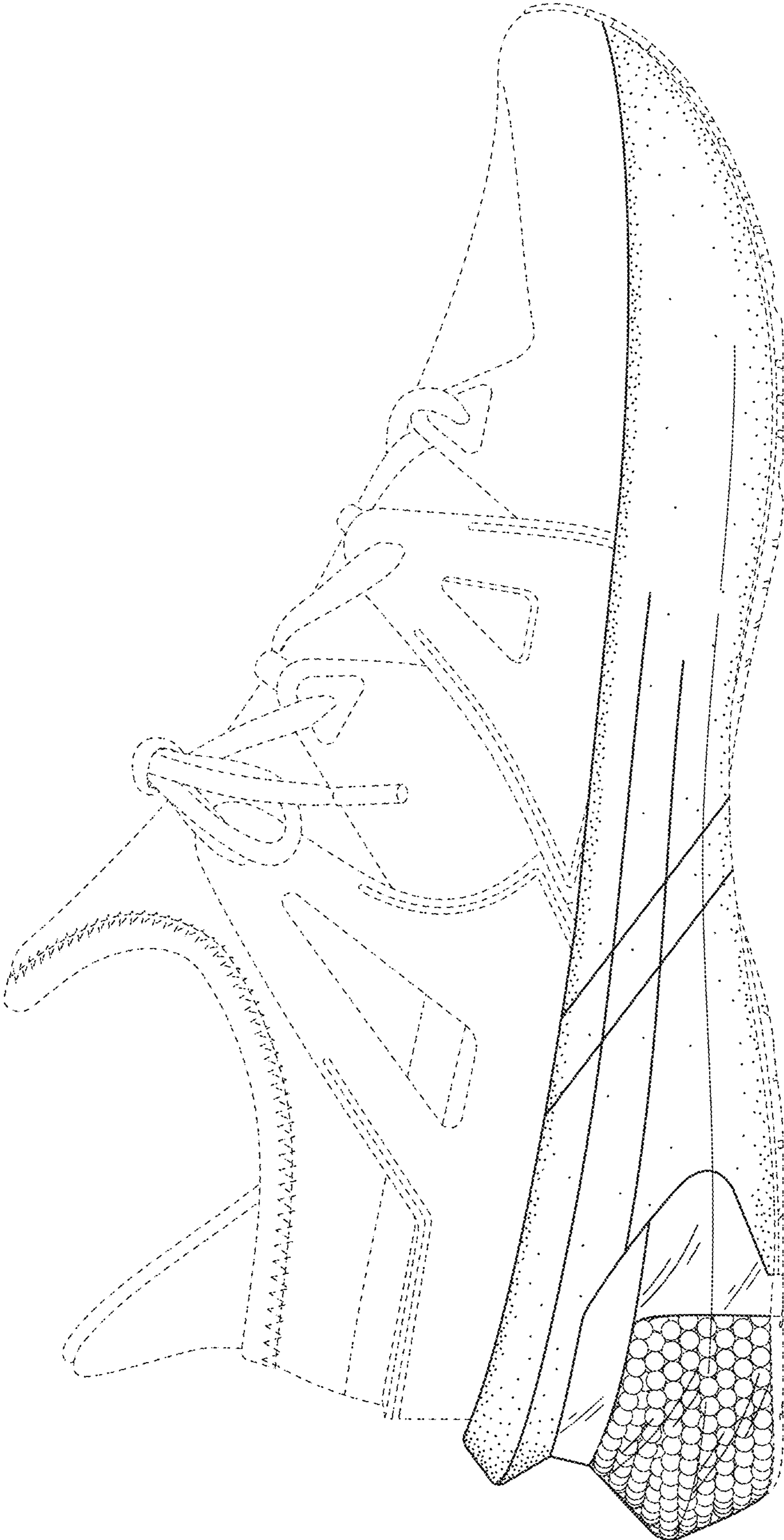


FIG. 5

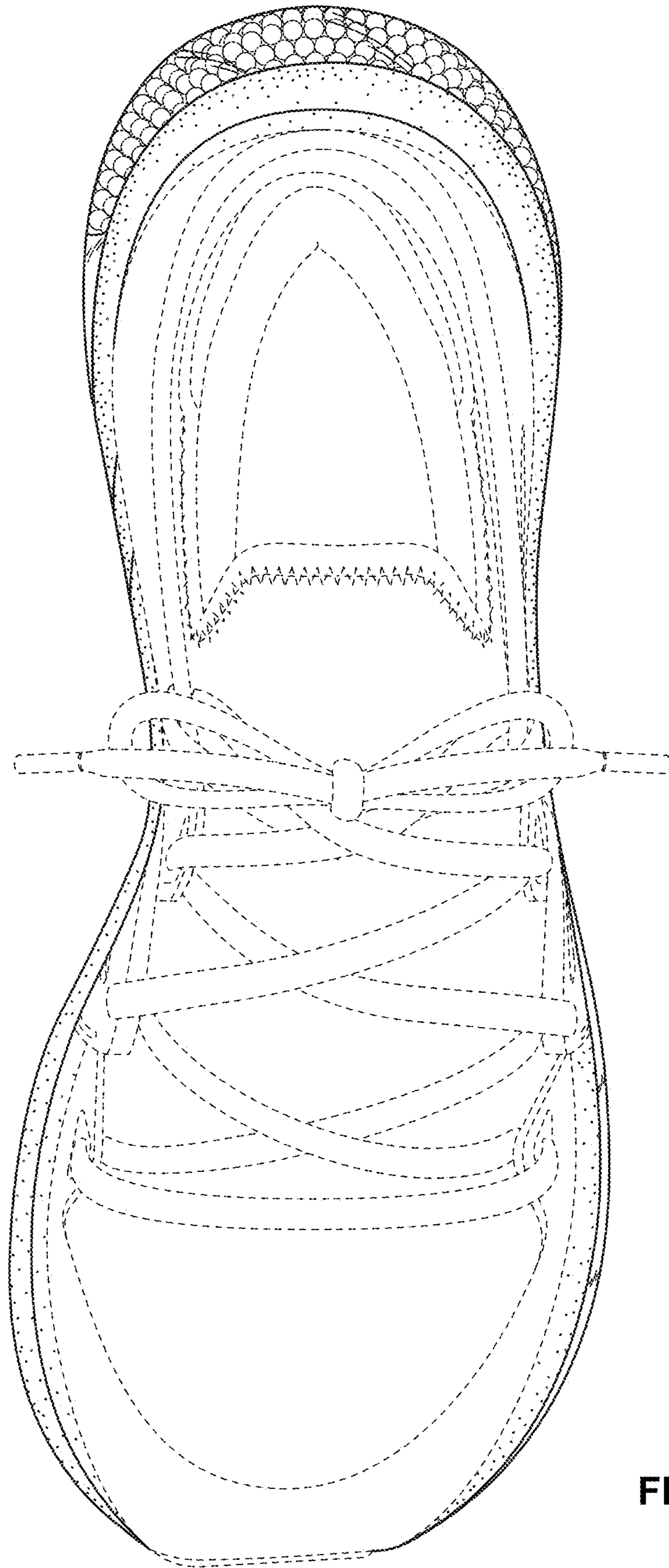


FIG. 6

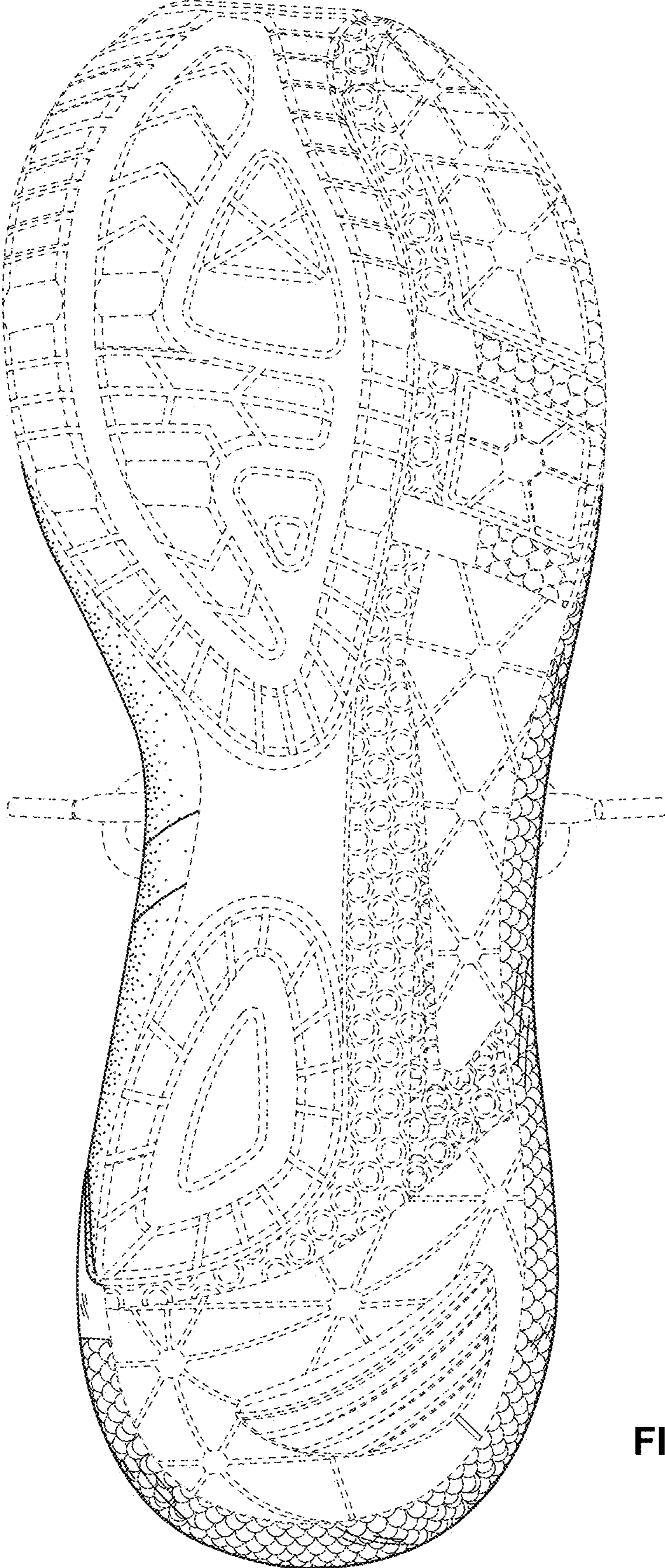


FIG. 7