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(12) **United States Design Patent** (10) **Patent No.:** **US D1,020,543 S**  
**Toll** (45) **Date of Patent:** **\*\* Apr. 2, 2024**

(54) **BICYCLE SEAT**  
(71) Applicant: **Adamo Island Saddles, LLC**, Lutz, FL (US)

612,972 A 10/1898 Leech  
D29,719 S 11/1898 Leech et al.  
619,204 A 2/1899 Moore  
(Continued)

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FOREIGN PATENT DOCUMENTS

EP 1444127 11/2004  
EP 2910458 8/2015  
(Continued)

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

OTHER PUBLICATIONS

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(52) **U.S. Cl.**  
USPC ..... **D12/114**  
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CPC ... B62J 1/002; B62J 1/005; B62J 1/007; B62J 1/26  
See application file for complete search history.

Adamo Island Saddle, Adamo Island Saddles Webpage [online], [Site Visit Oct. 26, 2023], URL: <https://www.amazon.com/Adamo-Island-Saddles-Wave-Saddle/dp/B0C95LTRNG> (Year: 2023).\*  
(Continued)

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(57) **CLAIM**

The ornamental design for a bicycle seat, as shown and described.

(56) **References Cited**

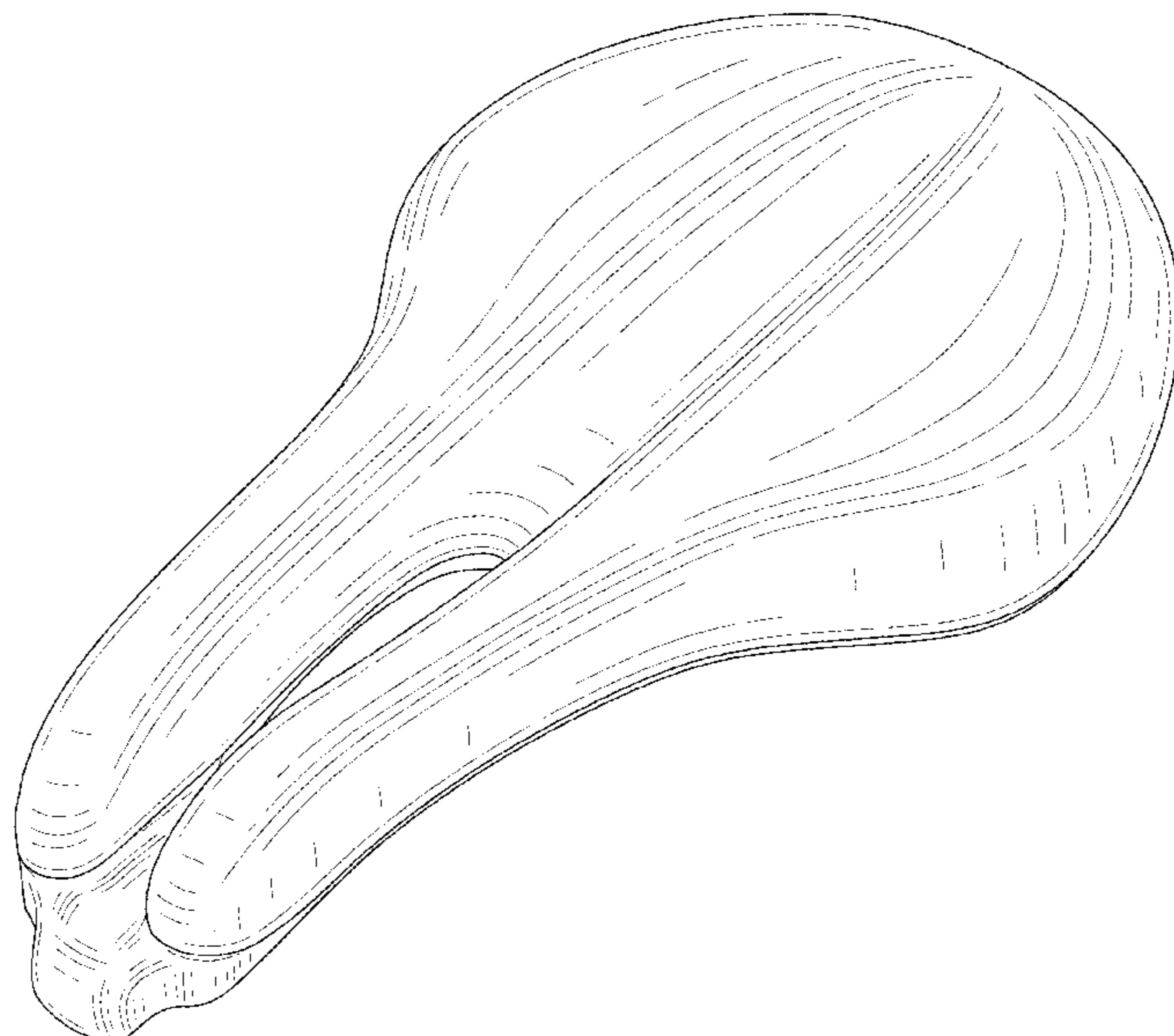
**DESCRIPTION**

U.S. PATENT DOCUMENTS

642,191 A 1/1890 Wright  
464,653 A 12/1891 Latta  
532,444 A 1/1895 Christy  
D24,139 S 3/1895 Christy  
537,375 A 4/1895 Wright et al.  
568,626 A 9/1896 Pierce et al.  
570,497 A 11/1896 Pattison  
572,062 A 11/1896 Peck  
D27,616 S 8/1897 Rusch  
D28,433 S 3/1898 Hollenbeck  
D28,434 S 3/1898 Hollenbeck  
602,732 A 4/1898 Craig  
605,151 A 6/1898 Twist  
608,682 A 8/1898 Jamieson  
612,552 A 10/1898 Standeford

FIG. 1 is a perspective view of the bicycle seat showing my new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a rear elevation view thereof;  
FIG. 4 is a right side elevation view thereof;  
FIG. 5 is a left side elevation view thereof;  
FIG. 6 is a top plan view thereof; and,  
FIG. 7 is a bottom view thereof.  
The dashed broken lines depict portions of the bicycle seat that form no part of the claim. The dot-dash lines on FIGS. 1-5 and 7 define the bounds of the claim and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

622,357 A 4/1899 Hitchcock et al.  
 623,238 A 4/1899 Davis  
 629,956 A 8/1899 Craig  
 635,598 A 10/1899 Rowe  
 654,720 A 7/1900 Engelbert  
 701,390 A 6/1902 Provoost  
 872,124 A 11/1907 Hammaren  
 1,462,976 A 9/1922 Mesinger  
 1,538,542 A 2/1924 Blake  
 1,858,477 A 5/1932 Blake  
 D106,117 S 5/1937 Kraeft  
 D213,488 S 3/1969 Golden  
 3,844,611 A 10/1974 Young  
 D237,123 S 10/1975 Hogkvist  
 4,429,915 A 2/1984 Flager  
 4,451,083 A 5/1984 Marchello  
 4,898,422 A 2/1990 West  
 D306,378 S 3/1990 Bernardi  
 D315,646 S 3/1991 Hood  
 4,999,068 A 3/1991 Chiarella  
 5,011,222 A 4/1991 Yates et al.  
 5,108,076 A 4/1992 Chiarella  
 5,167,435 A 12/1992 Aldi  
 5,676,420 A 10/1997 Kuipers et al.  
 5,765,912 A 6/1998 Bontrager  
 5,863,094 A 1/1999 Endo  
 5,873,626 A 2/1999 Katz  
 D407,910 S 4/1999 Terry  
 D408,159 S 4/1999 Clutton  
 D409,009 S 5/1999 Toll et al.  
 D412,791 S 8/1999 Tsai  
 D416,394 S 11/1999 Minkow et al.  
 D417,560 S 12/1999 Tollefson et al.  
 6,019,423 A 1/2000 Dodge et al.  
 6,039,395 A 3/2000 Culbertson  
 D428,270 S 7/2000 Bigolin  
 D428,271 S 7/2000 Bigolin  
 D429,905 S 8/2000 White  
 D430,744 S 9/2000 Minkow et al.  
 D430,745 S 9/2000 Minkow et al.  
 6,113,184 A 9/2000 Barnes  
 6,139,098 A 10/2000 Carrillo  
 D433,827 S 11/2000 Kulpers  
 D434,235 S 11/2000 Kulpers  
 6,193,309 B1 2/2001 Gooter et al.  
 D439,756 S 4/2001 Bigolin  
 D440,779 S 4/2001 Bernardi  
 6,224,151 B1 5/2001 McMullen  
 D443,426 S 6/2001 Diaz  
 6,244,655 B1 6/2001 Minkow et al.  
 D446,031 S \* 8/2001 Minkow ..... D6/354  
 D446,032 S 8/2001 Arcieri  
 6,290,291 B1 9/2001 Kojima  
 D453,881 S \* 2/2002 Chuang ..... D6/354  
 D454,258 S \* 3/2002 Yates ..... B62J 1/005  
 D6/354  
 D456,157 S 4/2002 Yates  
 D456,623 S 5/2002 Yates  
 6,402,236 B1 6/2002 Yates  
 6,422,647 B1 7/2002 Turudich  
 6,450,572 B1 9/2002 Kuipers  
 D463,676 S 10/2002 Minkow et al.  
 6,652,025 B2 11/2003 Sylvester  
 6,669,283 B2 12/2003 Yu  
 6,761,400 B2 7/2004 Hobson  
 6,783,176 B2 8/2004 Ladson, III  
 6,880,885 B2 4/2005 Lan  
 D507,421 S 7/2005 Lawson  
 6,957,857 B1 10/2005 Lee  
 7,025,417 B2 4/2006 Cohen  
 D523,651 S 6/2006 Chao  
 7,077,469 B2 7/2006 Farré  
 7,104,600 B2 9/2006 Scholz  
 7,121,622 B1 10/2006 Mendez  
 7,374,517 B2 5/2008 Lockett

D575,070 S 8/2008 Toll  
 7,441,836 B2 10/2008 Chen et al.  
 7,478,871 B2 1/2009 Pandozy  
 D590,160 S \* 4/2009 Hung ..... B62J 1/00  
 D6/354  
 7,537,281 B2 5/2009 Riondato  
 D604,056 S 11/2009 Toll et al.  
 D604,057 S 11/2009 Toll  
 7,699,391 B2 4/2010 Riondato  
 D620,721 S \* 8/2010 Kenney ..... D6/354  
 D622,973 S 9/2010 Toll  
 7,934,770 B2 5/2011 Toll  
 D639,081 S 6/2011 Toll  
 D640,879 S \* 7/2011 Curran ..... B62J 1/00  
 D6/354  
 7,976,102 B2 7/2011 Chang  
 D642,846 S 8/2011 Parish et al.  
 D658,396 S 5/2012 Sprouse, II  
 D660,609 S \* 5/2012 Bertoncetto ..... D6/354  
 D677,479 S 3/2013 Toll  
 D684,780 S 6/2013 Toll  
 D684,781 S 6/2013 Toll  
 8,480,169 B2 7/2013 Bailie et al.  
 D688,051 S 8/2013 Toll  
 D688,052 S 8/2013 Toll  
 D688,477 S 8/2013 Toll  
 D688,478 S 8/2013 Toll  
 D688,479 S 8/2013 Toll  
 8,845,018 B2 9/2014 Toll  
 D720,548 S \* 1/2015 Yu ..... D6/354  
 D720,939 S 1/2015 Toll  
 D722,446 S 2/2015 Toll  
 D724,329 S 3/2015 Toll  
 D724,330 S 3/2015 Toll  
 D753,925 S 4/2016 Toll  
 D753,926 S 4/2016 Smith et al.  
 D754,450 S 4/2016 Toll  
 D756,675 S 5/2016 Toll  
 D760,507 S \* 7/2016 Marcel ..... D6/354  
 D762,073 S 7/2016 Toll  
 D764,820 S 8/2016 Toll  
 D764,821 S 8/2016 Toll  
 D764,822 S 8/2016 Toll  
 D767,909 S 10/2016 Toll  
 D767,910 S 10/2016 Toll  
 D767,911 S 10/2016 Toll  
 D769,007 S 10/2016 Toll  
 D769,008 S 10/2016 Toll  
 D769,631 S 10/2016 Toll  
 D774,790 S 12/2016 Toll  
 D774,791 S 12/2016 Toll  
 D778,079 S \* 2/2017 Porter ..... D6/354  
 D784,033 S \* 4/2017 Li ..... D6/354  
 D786,573 S 5/2017 Toll  
 9,718,509 B2 8/2017 Toll  
 D802,947 S 11/2017 Toll  
 D802,948 S 11/2017 Toll  
 D802,949 S 11/2017 Toll  
 D803,594 S 11/2017 Toll  
 D804,204 S 12/2017 Bigolin et al.  
 D806,415 S \* 1/2018 Toll ..... D6/354  
 D809,810 S 2/2018 Pizarro  
 D846,896 S \* 4/2019 Hain ..... B62J 1/00  
 D6/354  
 D846,897 S 4/2019 Toll  
 D846,899 S \* 4/2019 Toll ..... D6/354  
 D846,900 S \* 4/2019 Toll ..... D6/354  
 D847,522 S 5/2019 Pruitt et al.  
 10,358,181 B2 7/2019 Toll  
 D856,013 S 8/2019 Jalkanen  
 D856,014 S 8/2019 Jalkanen  
 D875,411 S 2/2020 Bigolin  
 D879,488 S 3/2020 Liu  
 D880,880 S \* 4/2020 Toll ..... B62J 1/00  
 D6/354  
 D887,731 S \* 6/2020 Kim ..... B62J 1/005  
 D6/354  
 D889,862 S 7/2020 Toll  
 D903,348 S 12/2020 Toll



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D913,000	S *	3/2021	Bigolin	.....	D6/354
D944,023	S *	2/2022	Bigolin	.....	D6/354
D988,018	S *	6/2023	Kim	.....	D6/354
D998,986	S *	9/2023	Ji	.....	D6/354
D1,002,209	S *	10/2023	Yang	.....	D6/354
2002/0117880	A1	8/2002	Ladson		
2003/0025363	A1	2/2003	Gaggiola		
2003/0034678	A1	2/2003	Farré		
2003/0038515	A1	2/2003	Martin et al.		
2003/0067195	A1	4/2003	Sylvester		
2003/0071498	A1	4/2003	Yu		
2005/0006932	A1	1/2005	Laidlaw		
2007/0069557	A1	3/2007	Toll		
2007/0102970	A1	5/2007	Wallace		
2007/0200399	A1	8/2007	Riondato		
2007/0246978	A1	10/2007	Yu		
2007/0273184	A1	11/2007	Garneau		
2008/0265636	A1	10/2008	Toll		
2009/0079237	A1	3/2009	Riondato		
2009/0189421	A1	7/2009	Yu et al.		
2010/0109392	A1	5/2010	Toll		
2011/0298253	A1	12/2011	Toll		
2012/0086246	A1	4/2012	Belliveau		
2012/0242119	A1	9/2012	Bigolin		
2015/0097401	A1	4/2015	Toll		
2015/0197171	A1	7/2015	Bigolin		
2015/0239515	A1	8/2015	Toll		
2017/0355410	A1	12/2017	Yim		
2018/0057089	A1	3/2018	Toll		
2019/0233042	A1	8/2019	Toll		

## FOREIGN PATENT DOCUMENTS

FR	796997	4/1936
JP	2007-186075	7/2007
JP	2008-509047	3/2008
JP	2011-143734	7/2011
JP	2012-162255	8/2012
WO	99/14103	3/1999
WO	2006015731	2/2006
WO	2007/038692	4/2007
WO	2014/035972	2/2011
WO	2013/134253	9/2013

## OTHER PUBLICATIONS

Adamo Island Saddle Wave Comfort Bike Seat, Jun. 23, 2023, Amazon [online],[Site Visit Oct. 26, 2023], URL: <https://www.amazon.com/Adamo-Island-Saddles-Wave-Saddle/dp/B0C95LTRNG> (Year: 2023).\*

Leibovitch et al., “The Vicious Cycling: Bicycling Related Urogenital Disorders”, *European Urology* 47, pp. 277-287 (2005).

Randrup et al., “Bicycle Riding as a Cause for Erectile Dysfunction”, [www.medicalsexuality.org](http://www.medicalsexuality.org), pp. 26-27, (Nov. 2000).

Jeong et al., “Bicycle Saddle Shape affects penile blood flow”, *International Journal of Impotence Research*, 14, 513-517 (2002).

Spears et al., “The Effect of Saddle Design on Stresses in the Perineum during Cycling”, *Medical Science Sports Exercise*, vol. 35, No. 9, pp. 1620-1625 (2003).

Bressel et al., “Bicycle Seat Designs and Their Effect on Pelvic Angle, Trunk Angle, and Comfort”, *Medical Science Sports Exercise*, vol. 35, No. 2, pp. 327-332 (2003).

Breda et al., and Adara Caruso, M.D., “Development of New Geometric Bicycle Saddle for the Maintenance of Genital—Perineal Vascular Perfusion,” *Journal of Sexual Medicine*, vol. 2, Issue 5, pp. 605-611 (Sep. 2005).

Lowe et al., “Effect of Bicycle Saddle Designs on the Pressure to the Perineum of the Bicyclist”, *Medical Science Sports Exercise*, vol. 36, No. 6, pp. 1055-1062 (2004).

Bressel et al., “Bicycle Seat Interface Pressure: Reliability, Validity, and Influence of Hand Position and Workload”, *Journal of Biomechanics*, vol. 38, Issue 6, pp. 1325-1331 (Jun. 2005).

Bressel et al., “Influence of Bicycle Seat Pressure on compression of the perineum: a MRI Analysis,” *Journal of Biomechanics* 40, pp. 198-202 (2007, Accepted Nov. 26, 2005).

U.S. Appl. No. 29/539,809, filed Jul. 21, 2016 with the following characterization: “Noseless Saddles—My Two Cents Worth.” *The Bike Noob.*, Jun. 30, 2011 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://bikenooob.com/2011/06/30/noseless-saddles-my-two-cents-worth/>>.

U.S. Appl. No. 29/539,809, filed Jul. 21, 2016 with the following characterization: “Saddles Part 3—ISM Adamo.” *Bike Test Reviews.* Apr. 5, 2013 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://biketestreviews.com/saddles-part-3-ism-adamo/>>.

U.S. Appl. No. 29/484,042, filed Jul. 29, 2014 with the following characterization: “Podium Imports ISM Saddles.” *Podium Imports.*, Feb. 20, 2013 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://www.podiumimports.ca/shop-online/brand/ism-saddles/>>.

U.S. Appl. No. 29/484,042, filed Jul. 29, 2014 with the following characterization: Alter, Lloyd. “No—Nose Bicycle Seats: Are They The Answer to Erectile Dysfunction And Prostate . . . ” *Tree Hugger.*, Sep. 17, 2010 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://www.treehugger.com/bikes/no-nose-bicycle-seats-are-they-the-answer-to-erectile-dysfunction-and-prostate-problems-among-cyclists.html>>.

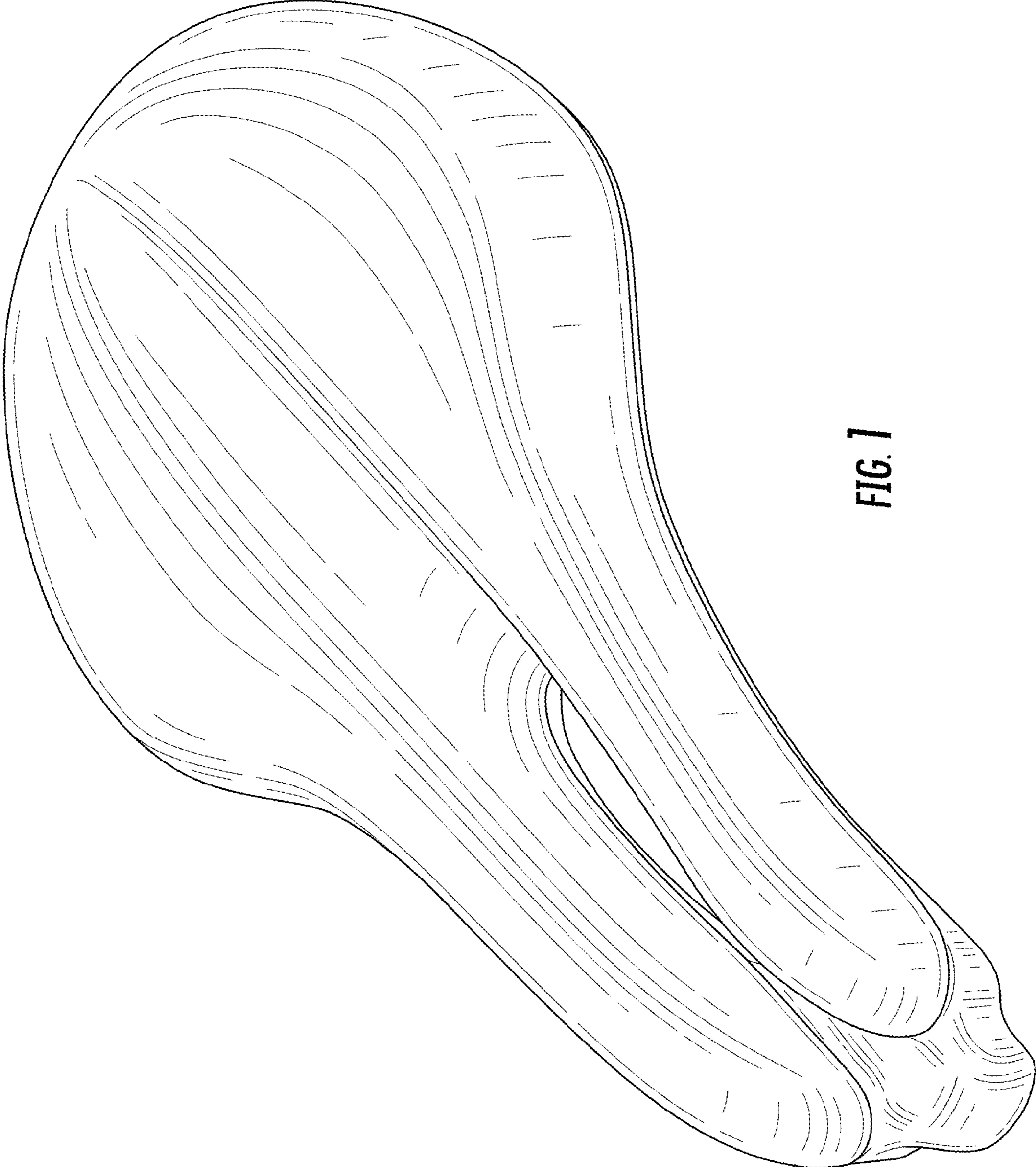
U.S. Appl. No. 29/484,039, filed Jul. 29, 2014 with the following characterization: Demerly, Tom. “ISM Adamo Time Trial and Racing 2 Saddles: The Triathlon Saddle Evolved . . . ” *Just Tri Talk.*, Feb. 27, 2013 [online], [retrieved on Jul. 19, 2014]. Retrieved from the Internet <URL: <http://justtritalk.com/ism-adamo-time-trial-and-racing-2-saddles-the-triathlon-saddle-evolved/>>.

U.S. Appl. No. 29/539,813, filed Jul. 25, 2016 with the following characterization: “Noseless Bicycle Saddles—What You Need To Know.” *Electro Heart Beats.*, Mar. 15, 2014 [online], [retrieved on Jul. 8, 2016]. Retrieved from the Internet <URL: <http://www.electroheartbeats.com/2014/03/noseless-bicycle-saddles-what-youneed.html>>.

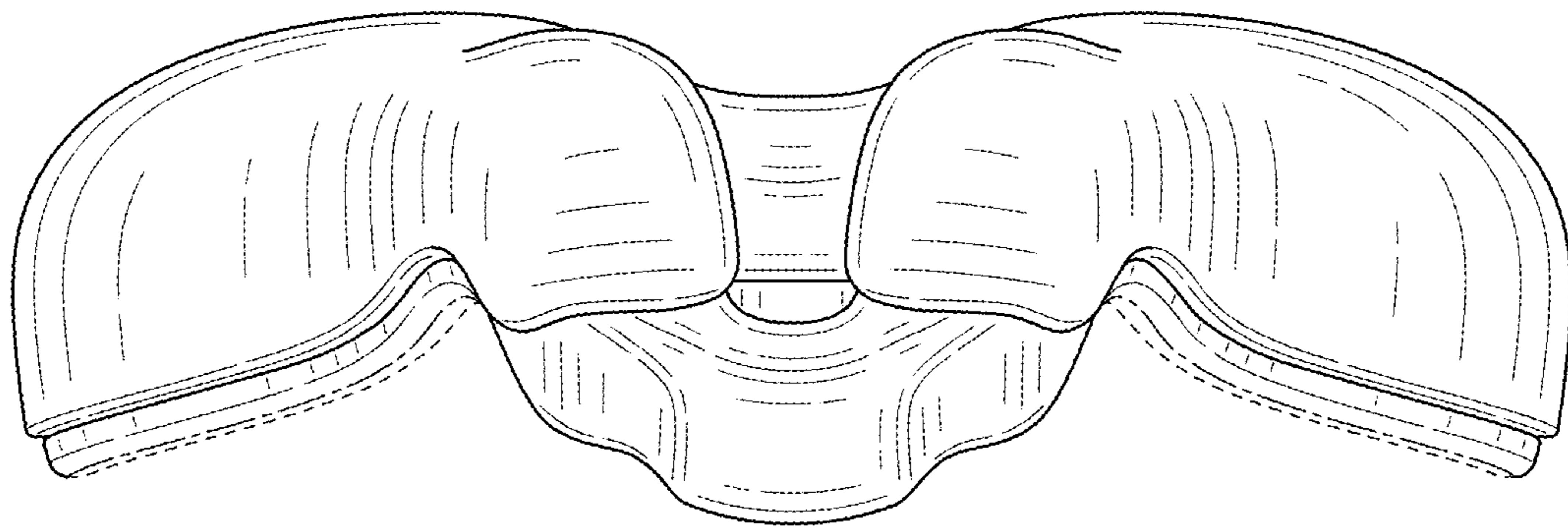
Patent Cooperation Treaty, “International Search Report and Written Opinion”, issued in International Application No. PCT/US2017/048420, by European Searching Authority, Helmut, document of 15 pages, Nov. 8, 2017.

U.S. Appl. No. 29/635,828, filed Aug. 8, 2019 with the following characterization: Syncros, 2017 Syncros Catalogue: Precision Bicycle Products, p. 008 (Nov. 13, 2016), [online], [site visited Jul. 29, 2019]. Available from internet, <URL: Retrieved from [https://issuu.com/rideonscott/docs/2017\\_catalogue\\_syncros\\_en\\_lo](https://issuu.com/rideonscott/docs/2017_catalogue_syncros_en_lo).

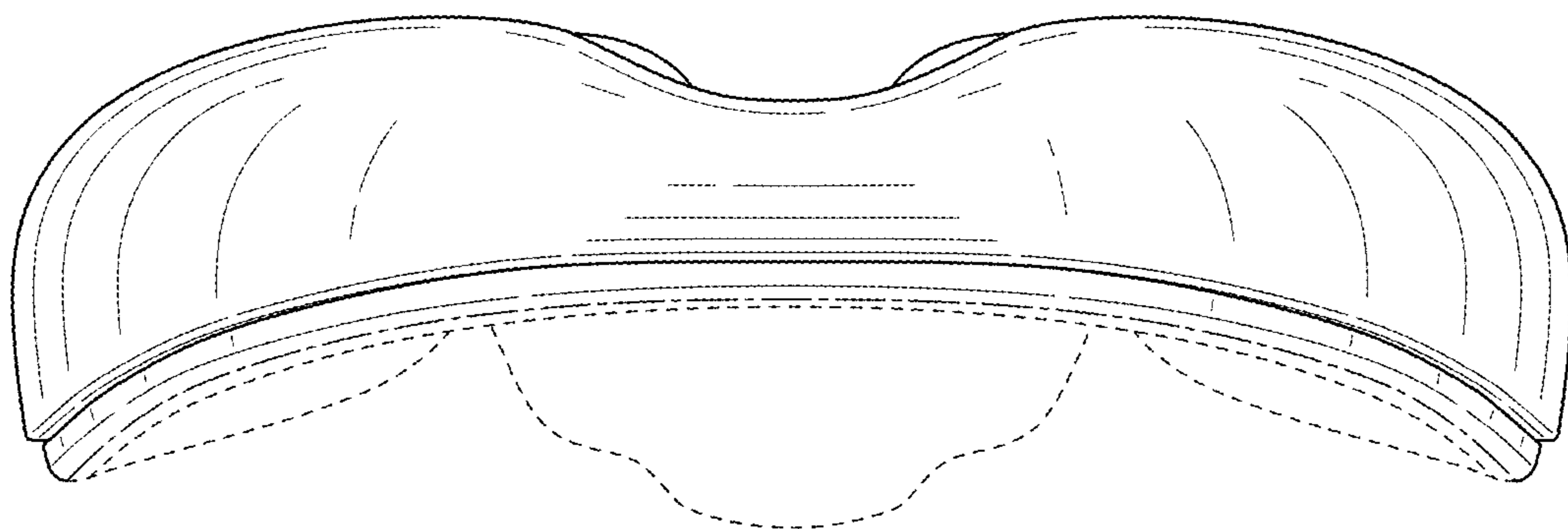
\* cited by examiner







**FIG. 2**



**FIG. 3**

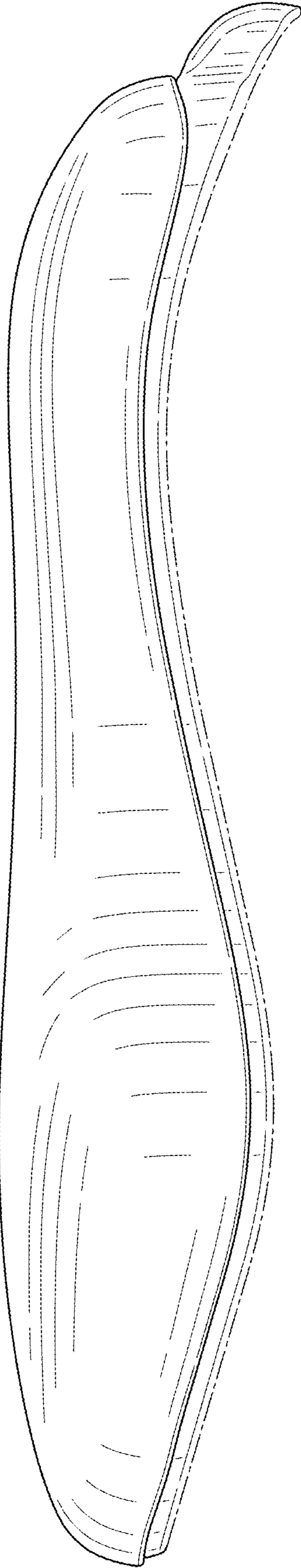


FIG. 4

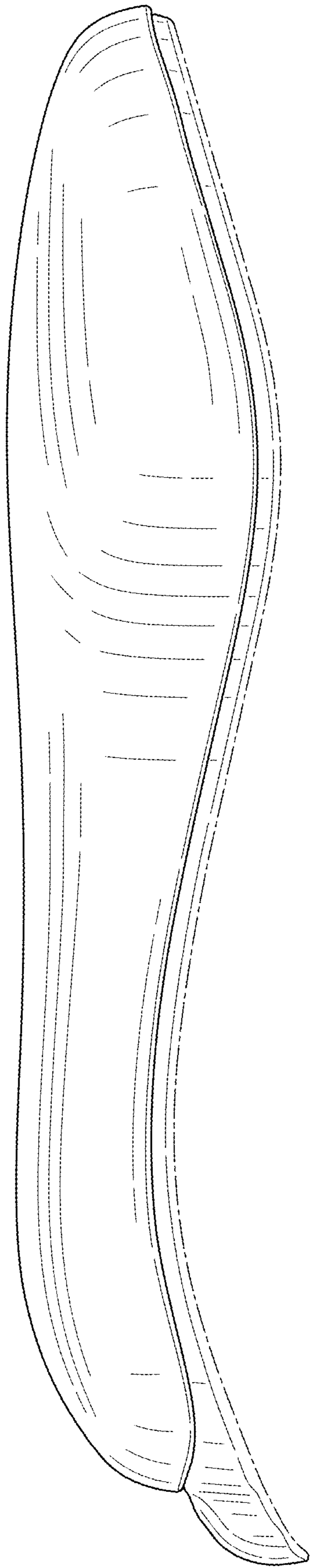
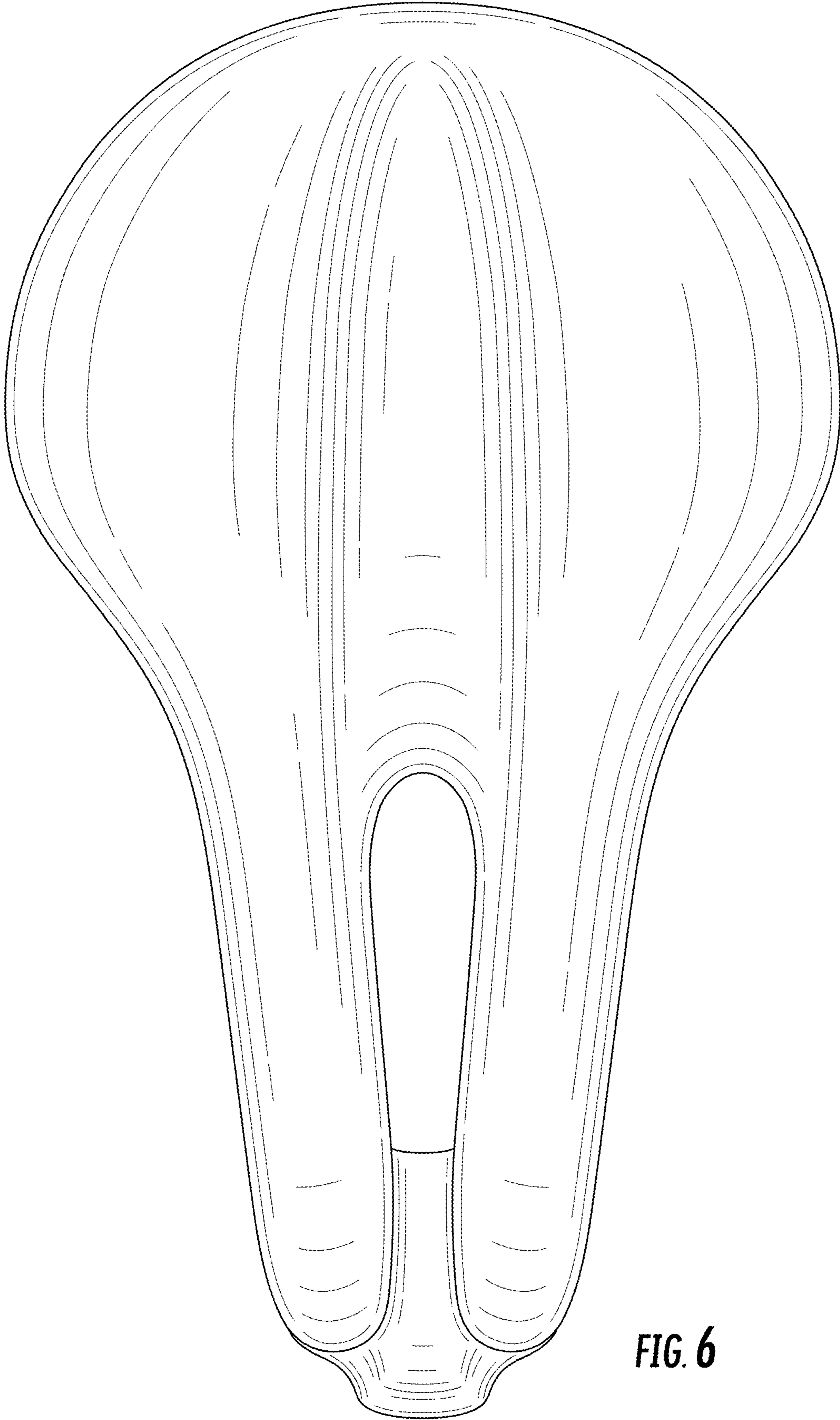
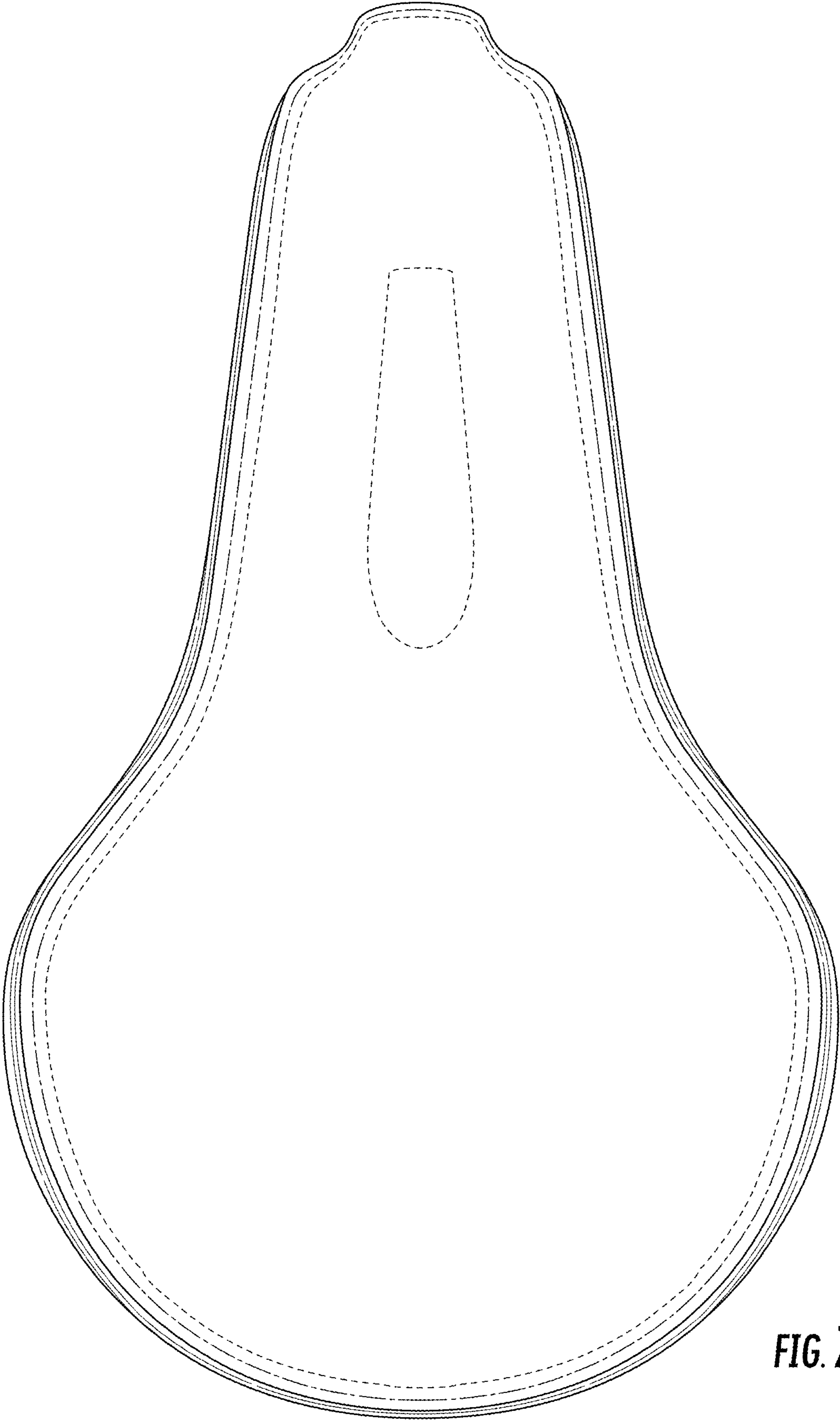


FIG. 5



**FIG. 6**





**FIG. 7**