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(54) **STENT HAVING TAPERED STRUTS**

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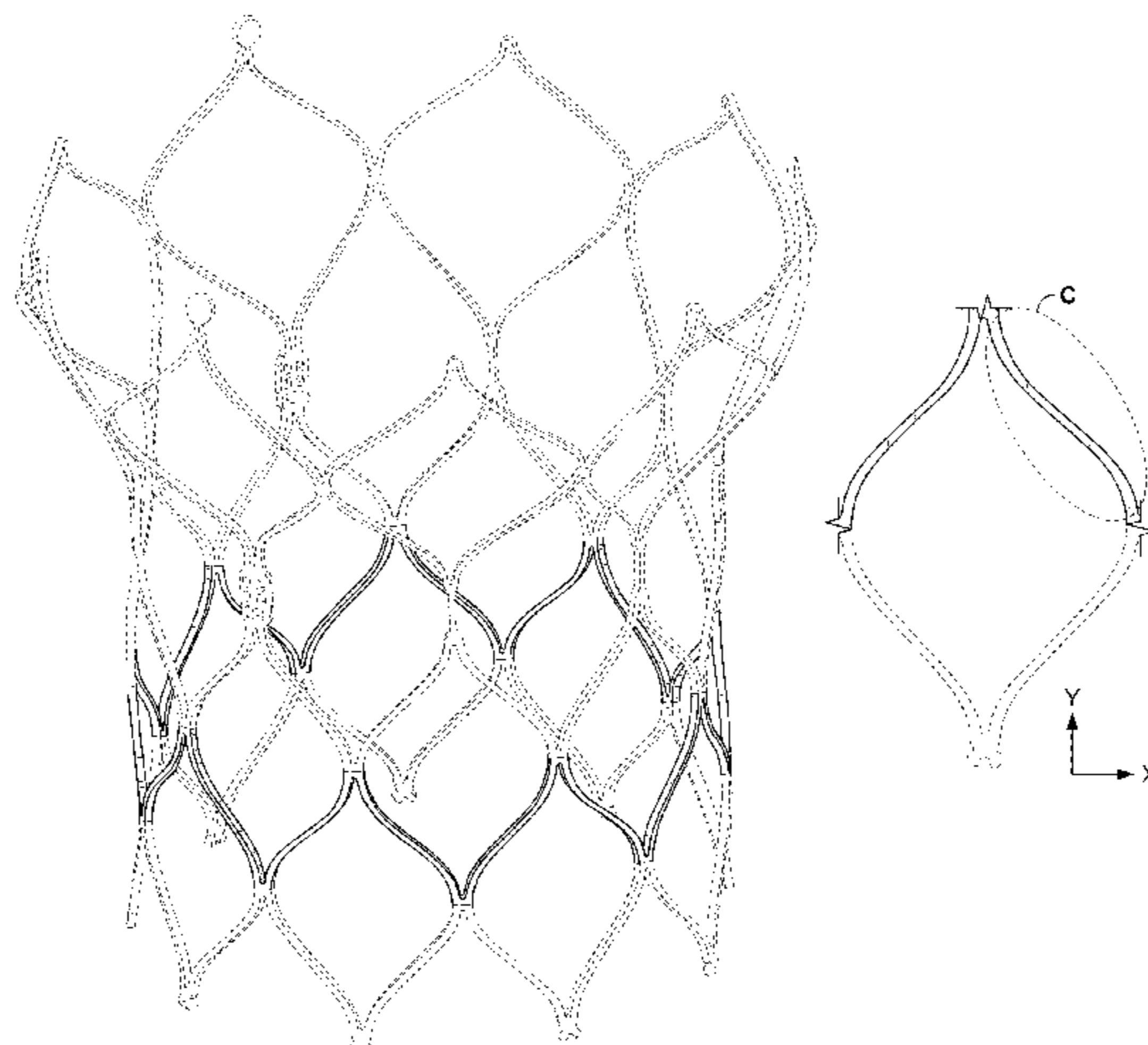
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6,077,297	A	6/2000	Robinson et al.
6,083,257	A	7/2000	Taylor et al.
6,090,140	A	7/2000	Gabbay
6,214,036	B1	4/2001	Letendre et al.
6,264,691	B1	7/2001	Gabbay
6,267,783	B1	7/2001	Letendre et al.
6,368,348	B1	4/2002	Gabbay
6,419,695	B1	7/2002	Gabbay
6,458,153	B1	10/2002	Bailey et al.
6,468,660	B2	10/2002	Ogle et al.
6,488,702	B1	12/2002	Besselink
6,517,576	B2	2/2003	Gabbay
6,533,810	B2	3/2003	Hankh et al.
6,582,464	B2	6/2003	Gabbay
6,610,088	B1	8/2003	Gabbay
6,623,518	B2	9/2003	Thompson et al.
6,652,578	B2	11/2003	Bailey et al.
6,685,625	B2	2/2004	Gabbay
6,716,244	B2	4/2004	Klaco
6,719,789	B2	4/2004	Cox
6,730,118	B2	5/2004	Spenser et al.
6,783,556	B1	8/2004	Gabbay
6,790,230	B2	9/2004	Beyersdorf et al.
6,814,746	B2	11/2004	Thompson et al.
6,830,584	B1	12/2004	Seguin
6,869,444	B2	3/2005	Gabbay
6,893,460	B2	5/2005	Spenser et al.
6,908,481	B2	6/2005	Cribier
6,951,573	B1	10/2005	Dilling
7,018,406	B2	3/2006	Seguin et al.
7,025,780	B2	4/2006	Gabbay
7,137,184	B2	11/2006	Schreck
7,147,661	B2	12/2006	Chobotov et al.
7,160,322	B2	1/2007	Gabbay
7,195,641	B2	3/2007	Palmaz et al.
7,247,167	B2	7/2007	Gabbay
7,267,686	B2	9/2007	DiMatteo et al.
7,276,078	B2	10/2007	Spenser et al.
7,311,730	B2	12/2007	Gabbay
7,320,704	B2	1/2008	Lashinski et al.
7,329,278	B2	2/2008	Seguin et al.
7,374,573	B2	5/2008	Gabbay
7,381,218	B2	6/2008	Schreck
7,381,219	B2	6/2008	Salahieh et al.
7,452,371	B2	11/2008	Pavcnik et al.
7,510,572	B2	3/2009	Gabbay
7,510,575	B2	3/2009	Spenser et al.
7,524,331	B2	4/2009	Birdsall
7,534,261	B2	5/2009	Friedman
RE40,816	E	6/2009	Taylor et al.
7,585,321	B2	9/2009	Cribier
7,628,805	B2	12/2009	Spenser et al.
7,682,390	B2	3/2010	Seguin

(56) **References Cited**
 U.S. PATENT DOCUMENTS

3,657,744	A	4/1972	Ersek
4,275,469	A	6/1981	Gabbay
4,491,986	A	1/1985	Gabbay
4,759,758	A	7/1988	Gabbay
4,878,906	A	11/1989	Lindemann et al.
4,922,905	A	5/1990	Strecker
4,994,077	A	2/1991	Dobben
5,411,552	A	5/1995	Andersen et al.
5,415,664	A	5/1995	Pinchuk
5,480,423	A	1/1996	Ravenscroft et al.
5,843,167	A	12/1998	Dwyer et al.
5,855,601	A	1/1999	Bessler et al.
5,935,163	A	8/1999	Gabbay
5,961,549	A	10/1999	Nguyen et al.
6,045,576	A	4/2000	Starr



US D875,935 S

7,708,775 B2	5/2010	Rowe et al.		8,764,820 B2	7/2014	Dehdashtian et al.
7,731,742 B2	6/2010	Schlick et al.		8,784,481 B2 *	7/2014	Alkhatib A61F 2/2418
7,748,389 B2	7/2010	Salahieh et al.				623/2.18
7,780,725 B2	8/2010	Haug et al.		8,795,357 B2	8/2014	Yohanan et al.
7,799,069 B2	9/2010	Bailey et al.		8,801,776 B2	8/2014	House et al.
7,803,185 B2	9/2010	Gabbay		8,808,356 B2	8/2014	Braido et al.
7,824,442 B2	11/2010	Salahieh et al.		8,828,078 B2	9/2014	Salahieh et al.
7,837,727 B2	11/2010	Goetz et al.		8,834,563 B2	9/2014	Righini
7,846,203 B2	12/2010	Cribier		8,840,663 B2	9/2014	Salahieh et al.
7,846,204 B2	12/2010	Letac et al.		8,876,894 B2	11/2014	Tuval et al.
7,892,281 B2	2/2011	Seguin et al.		8,876,895 B2	11/2014	Tuval et al.
7,914,569 B2	3/2011	Nguyen et al.		8,940,040 B2	1/2015	Shahriari
7,959,666 B2	6/2011	Salahieh et al.		8,945,209 B2	2/2015	Bonyuet et al.
7,959,672 B2	6/2011	Salahieh et al.		8,961,595 B2	2/2015	Alkhatib
7,972,378 B2	7/2011	Tabor et al.		8,974,523 B2	3/2015	Thill et al.
7,988,724 B2	8/2011	Salahieh et al.		8,974,524 B2	3/2015	Yeung et al.
7,993,394 B2	8/2011	Hariton et al.		8,986,375 B2 *	3/2015	Garde A61F 2/2403
8,016,877 B2	9/2011	Seguin et al.				623/1.26
D648,854 S	11/2011	Braido		D730,520 S *	5/2015	Braido D24/155
8,048,153 B2	11/2011	Salahieh et al.		D730,521 S *	5/2015	Braido D24/155
8,052,741 B2	11/2011	Bruszewski et al.		D732,666 S *	6/2015	Nguyen A61F 2/2412
8,052,749 B2	11/2011	Salahieh et al.				D24/155
8,052,750 B2	11/2011	Tuval et al.		D755,384 S *	5/2016	Pesce D24/155
8,062,355 B2	11/2011	Figulla et al.		D802,764 S *	11/2017	Erzberger D24/155
8,075,611 B2	12/2011	Millwee et al.		D802,765 S *	11/2017	Erzberger D24/155
D652,926 S	1/2012	Braido		D802,766 S *	11/2017	Erzberger D24/155
D652,927 S *	1/2012	Braido A61F 2/91		2002/0036220 A1	3/2002	Gabbay
		D24/155		2003/0023303 A1	1/2003	Palmaz et al.
D653,341 S *	1/2012	Braido A61F 2/91		2003/0050694 A1	3/2003	Yang et al.
		D24/155		2003/0130726 A1	7/2003	Thorpe et al.
D653,342 S	1/2012	Braido et al.		2004/0049262 A1	3/2004	Obermiller et al.
D653,343 S	1/2012	Ness et al.		2004/0093075 A1	5/2004	Kuehne
D654,169 S	2/2012	Braido		2004/0111111 A1	6/2004	Lin
D654,170 S	2/2012	Braido et al.		2004/0210304 A1	10/2004	Seguin et al.
8,137,398 B2	3/2012	Tuval et al.		2004/0260389 A1	12/2004	Case et al.
8,142,497 B2	3/2012	Friedman		2005/0096726 A1	5/2005	Sequin et al.
D660,432 S	5/2012	Braido		2005/0137682 A1	6/2005	Justino
D660,433 S *	5/2012	Braido A61F 2/91		2005/0137695 A1	6/2005	Salahieh et al.
		D24/155		2005/0137697 A1	6/2005	Salahieh et al.
D660,967 S *	5/2012	Braido A61F 2/91		2005/0203605 A1	9/2005	Dolan
		D24/155		2005/0240200 A1	10/2005	Bergheim
8,182,528 B2	5/2012	Salahieh et al.		2005/0256566 A1	11/2005	Gabbay
8,221,493 B2	7/2012	Boyle et al.		2006/0008497 A1	1/2006	Gabbay
8,230,717 B2	7/2012	Matonick		2006/0074484 A1	4/2006	Huber
8,231,670 B2	7/2012	Salahieh et al.		2006/0122692 A1	6/2006	Gilad et al.
8,252,051 B2	8/2012	Chau et al.		2006/0149360 A1	7/2006	Schwammenthal et al.
8,308,798 B2	11/2012	Pintor et al.		2006/0161249 A1	7/2006	Realyvasquez et al.
8,313,525 B2	11/2012	Tuval et al.		2006/0173532 A1	8/2006	Flagle et al.
8,323,335 B2	12/2012	Rowe et al.		2006/0178740 A1	8/2006	Stacchino et al.
8,323,336 B2	12/2012	Hill et al.		2006/0195180 A1	8/2006	Kheradvar et al.
8,343,213 B2	1/2013	Salahieh et al.		2006/0206202 A1	9/2006	Bonhoeffer et al.
8,348,995 B2	1/2013	Tuval et al.		2006/0241744 A1	10/2006	Beith
8,348,996 B2	1/2013	Tuval et al.		2006/0241745 A1	10/2006	Solem
8,348,998 B2	1/2013	Pintor et al.		2006/0259120 A1	11/2006	Vongphakdy et al.
8,366,769 B2	2/2013	Huynh et al.		2006/0259137 A1	11/2006	Artof et al.
8,403,983 B2	3/2013	Quadri et al.		2006/0265056 A1	11/2006	Nguyen et al.
8,408,214 B2	4/2013	Spenser		2006/0276813 A1	12/2006	Greenberg
8,414,643 B2	4/2013	Tuval et al.		2006/0276874 A1	12/2006	Wilson et al.
8,425,593 B2	4/2013	Braido et al.		2007/0010876 A1	1/2007	Salahieh et al.
8,449,599 B2	5/2013	Chau et al.		2007/0027534 A1	2/2007	Bergheim
8,449,604 B2	5/2013	Moaddeb et al.		2007/0043435 A1	2/2007	Seguin et al.
8,454,686 B2	6/2013	Alkhatib		2007/0055358 A1	3/2007	Krolik et al.
8,500,798 B2	8/2013	Rowe et al.		2007/0067029 A1	3/2007	Gabbay
8,568,474 B2	10/2013	Yeung et al.		2007/0093890 A1	4/2007	Eliassen et al.
8,579,962 B2	11/2013	Salahieh et al.		2007/0100435 A1	5/2007	Case et al.
8,579,966 B2	11/2013	Seguin et al.		2007/0118210 A1	5/2007	Pinchuk
8,585,755 B2	11/2013	Chau et al.		2007/0213813 A1	9/2007	Von Segesser et al.
8,591,575 B2	11/2013	Cribier		2007/0233228 A1	10/2007	Eberhardt et al.
8,597,349 B2	12/2013	Alkhatib		2007/0244545 A1	10/2007	Birdsall et al.
8,603,159 B2	12/2013	Seguin et al.		2007/0244552 A1	10/2007	Salahieh et al.
8,603,160 B2	12/2013	Salahieh et al.		2007/0288087 A1	12/2007	Fearnot et al.
8,613,765 B2	12/2013	Bonhoeffer et al.		2008/0021552 A1	1/2008	Gabbay
8,623,074 B2	1/2014	Ryan		2008/0039934 A1	2/2008	Styrc
8,652,204 B2	2/2014	Quill et al.		2008/0071369 A1	3/2008	Tuval et al.
8,663,322 B2	3/2014	Keranen		2008/0082164 A1	4/2008	Friedman
8,668,733 B2	3/2014	Haug et al.		2008/0097595 A1	4/2008	Gabbay
8,685,080 B2	4/2014	White		2008/0114452 A1	5/2008	Gabbay
8,728,154 B2	5/2014	Alkhatib		2008/0125853 A1	5/2008	Bailey et al.
8,747,459 B2	6/2014	Nguyen et al.		2008/0140189 A1	6/2008	Nguyen et al.

2008/0147183	A1	6/2008	Styrc	
2008/0154355	A1	6/2008	Benichou et al.	
2008/0154356	A1	6/2008	Obermiller et al.	
2008/0243245	A1	10/2008	Thambar et al.	
2008/0255662	A1	10/2008	Stacchino et al.	
2008/0262602	A1	10/2008	Wilk et al.	
2008/0269879	A1	10/2008	Sathe et al.	
2009/0099653	A1	4/2009	Suri et al.	
2009/0112309	A1	4/2009	Jaramillo et al.	
2009/0138079	A1	5/2009	Tuval et al.	
2009/0234443	A1	9/2009	Ottma et al.	
2009/0276027	A1	11/2009	Glynn	
2010/0004740	A1	1/2010	Seguin et al.	
2010/0036484	A1	2/2010	Hariton et al.	
2010/0049306	A1	2/2010	House et al.	
2010/0087907	A1	4/2010	Lattouf	
2010/0131055	A1	5/2010	Case et al.	
2010/0168778	A1	7/2010	Braido	
2010/0168839	A1	7/2010	Braido et al.	
2010/0168844	A1	7/2010	Toomes et al.	
2010/0185277	A1	7/2010	Braido et al.	
2010/0191326	A1	7/2010	Alkhatib	
2010/0204781	A1	8/2010	Alkhatib	
2010/0204785	A1	8/2010	Alkhatib	
2010/0217382	A1	8/2010	Chau et al.	
2010/0234940	A1	9/2010	Dolan	
2010/0249911	A1	9/2010	Alkhatib	
2010/0249923	A1	9/2010	Alkhatib et al.	
2010/0256737	A1*	10/2010	Pollock	A61F 2/91 623/1.15
2010/0286768	A1	11/2010	Alkhatib	
2010/0298931	A1	11/2010	Quadri et al.	
2011/0029072	A1	2/2011	Gabbay	
2011/0054466	A1	3/2011	Rothstein et al.	
2011/0098800	A1	4/2011	Braido et al.	
2011/0098802	A1	4/2011	Braido et al.	
2011/0137397	A1	6/2011	Chau et al.	
2011/0172765	A1	7/2011	Nguyen et al.	
2011/0208283	A1	8/2011	Rust	
2011/0264196	A1*	10/2011	Savage	A61F 2/2418 623/1.26
2011/0264206	A1	10/2011	Tabor	
2012/0035722	A1	2/2012	Tuval	
2012/0078347	A1	3/2012	Braido et al.	
2012/0101572	A1	4/2012	Kovalsky et al.	
2012/0123529	A1	5/2012	Levi et al.	
2012/0303116	A1	11/2012	Gorman, III et al.	
2013/0274873	A1	10/2013	Delaloye et al.	
2014/0121763	A1	5/2014	Duffy et al.	
2014/0155997	A1	6/2014	Braido	
2014/0194981	A1*	7/2014	Menk	A61F 2/2418 623/2.17
2014/0214159	A1	7/2014	Vidlund et al.	
2014/0228946	A1	8/2014	Chau et al.	
2014/0277417	A1	9/2014	Schraut et al.	
2014/0303719	A1	10/2014	Cox et al.	
2014/0324164	A1	10/2014	Gross et al.	
2014/0343670	A1*	11/2014	Bakis	A61F 2/2436 623/2.11
2014/0343671	A1	11/2014	Yohanani et al.	
2014/0350668	A1	11/2014	Delaloye et al.	
2014/0350669	A1	11/2014	Gillespie et al.	
2015/0018944	A1*	1/2015	O'Connell	A61F 2/2427 623/2.42
2015/0142104	A1	5/2015	Braido	
2015/0148893	A1	5/2015	Braido et al.	
2015/0320556	A1	11/2015	Levi et al.	
2015/0335429	A1	11/2015	Morriss et al.	

FOREIGN PATENT DOCUMENTS

DE	19857887	A1	7/2000
DE	10121210	B4	11/2005
DE	102005003632	A1	8/2006
DE	202008009610	U1	12/2008
EP	D850607	A1	7/1998
EP	1000590	A1	5/2000
EP	1584306	A1	10/2005

EP	1598031	A2	11/2005
EP	1360942	B1	12/2005
EP	1926455	A2	6/2008
EP	2537487	A1	12/2012
FR	2847800	B1	6/2004
FR	2850008	A1	7/2004
WO	9117720	A1	11/1991
WO	9716133	A1	11/1991
WO	9832412	A2	7/1998
WO	9913801	A1	3/1999
WO	2001028459	A1	4/2001
WO	2001049213	A2	7/2001
WO	0154625	A1	8/2001
WO	2001056500	A2	8/2001
WO	200176510	A2	10/2001
WO	0236048	A1	5/2002
WO	0247575	A2	6/2002
WO	2002067782	A2	9/2002
WO	2003047468	A1	6/2003
WO	2005070343	A1	8/2005
WO	06073626	A2	7/2006
WO	2007053243	A2	5/2007
WO	2007071436	A2	6/2007
WO	08070797	A2	6/2008
WO	2010008548	A2	1/2010
WO	2010008549	A1	1/2010
WO	2010096176	A1	8/2010
WO	2010098857	A1	9/2010
WO	2015126711	A1	8/2015
WO	2015152980	A1	10/2015

OTHER PUBLICATIONS

Andersen et al., "Transluminal implantation of artificial heart valves", European Heart Journal, vol. 13, Issue 5, 704-708, May 1992.

Andersen, "Transluminal Catheter Implanted Prosthetic Heart Valves", International Journal of Angiology 7:102-106, Mar. 1998.

Buellesfeld et al., "Treatment of paravalvular leaks through interventional techniques", Multimed Man Cardiothorac Surg MMCTS, 924, Jan. 2011.

De Cicco et al., "Aortic valve periprosthetic leakage: anatomic observations and surgical results", The Annals of thoracic surgery 79.5 (May 2005): 1480-1485.

Dewey et al., "Transapical aortic valve implantation: an animal feasibility study"; The annals of thoracic surgery, 82: 110-6 (Feb. 13, 2006).

Gössl et al., "Percutaneous treatment of aortic and mitral valve paravalvular regurgitation", Current cardiology reports, vol. 15:388, pp. 1-8, Aug. 2013.

Heart Advisor, "Heart repairs without surgery. Minimally invasive procedures aim to correct valve leakage", Sep. 2004, PubMed ID 15586429.

Hourihan et al., "Transcatheter Umbrella Closure of Valvular and Paravalvular Leaks", Journal of the American College of Cardiology, vol. 20, No. 6, pp. 1371-1377, (Nov. 1992).

Huber, et al., "Direct-Access Valve Replacement", Journal of the American College of Cardiology, vol. 46, No. 2, (Jul. 19, 2005).

International Search Report for Application No. PCT/US2017/048580 dated Nov. 16, 2017.

Knudsen et al., "Catheter-implanted prosthetic heart valves", The International Journal of Artificial Organs, vol. 16, No. 5, pp. 253-262, May 1993.

Lichtenstein et al., "Transapical Transcatheter Aortic Valve Implantation in Humans", Circulation, vol. 114, pp. 591-596 (Jul. 31, 2006).

Lichtenstein, "Closed heart surgery: Back to the future", The Journal of Thoracic and Cardiovascular Surgery, May 2006, vol. 131, No. 5, pp. 941-943.

Mack, "Minimally invasive cardiac surgery", Surgical Endoscopy, vol. 20, Supplement 2, pp. S488-S492, Apr. 2006.

Moazami et al., "Transluminal Aortic Valve Placement", ASAIO Journal, vol. 42(5), pp. M381-M385, Sep. 1996.

Muñoz et al., "Guidance of treatment of paravalvular prosthetic leaks", Current cardiology reports, vol. 16(1), pp. 430, Jan. 2014.

Quaden et al., "Percutaneous aortic valve replacement: resection before implantation", *European J. of Cardio-thoracic Surgery*, vol. 27, Issue 5, pp. 836-840, May 2005.

Rohde et al., "Resection of Calcified Aortic Heart Leaflets in Vitro by Q-Switched 2pm Microsecond Laser Radiation", *Journal of Cardiac Surgery*, vol. 30(2), pp. 157-162, Feb. 2015.

Ruiz, "Overview of PRE-CE Mark Transcatheter Aortic Valve Technologies", *Euro PCR*, dated May 25, 2010.

Swiatkiewicz et al., "Percutaneous closure of mitral perivalvular leak", *Kardiologia polska*, vol. 67(7), pp. 762-764, Jun. 2009.

Textbook "Transcatheter Valve Repair", 2006, pp. 165-186.

Walther et al., "Transapical approach for sutureless stent-fixed aortic valve implantation: experimental results", *European Journal of Cardio-thoracic Surgery*, vol. 29(5), pp. 703-708 (Jan. 30, 2006).

Webb et al., "Percutaneous Aortic Valve Implantation Retrograde From the Femoral Artery", *Circulation*, vol. 113:842-850, Jun. 2006.

Zegdi, Rachid, MD, PhD et al., "Is It Reasonable to Treat All Calcified Stenotic Aortic Valves With a Valved Stent?", 579-584, *J. of the American College of Cardiology*, vol. 51, No. 5, Feb. 5, 2008.

Design U.S. Appl. No. 29/604,136, filed May 15, 2017 entitled "Stent Having Tapered Struts" (Not Yet Published).

Design U.S. Appl. No. 29/604,139, filed May 15, 2017 entitled "Stent Having Tapered Struts" (Not Yet Published).

Design U.S. Appl. No. 29/604,148, filed May 15, 2017 entitled "Stent Having Tapered Struts" (Not Yet Published).

Design U.S. Appl. No. 29/604,160, filed May 15, 2017 entitled "Stent Having Tapered Aortic Struts" (Not Yet Published).

* cited by examiner

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(57) **CLAIM**

The ornamental design for a stent having tapered struts, as shown and described.

DESCRIPTION

The present application is related to U.S. Design patent application Ser. No. 29/604,136, filed concurrently herewith, and U.S. Design patent application Ser. No. 29/604,160, filed concurrently herewith, and U.S. Design application Ser. No. 29/604,139, filed concurrently herewith, and U.S. Design patent application Ser. No. 29/604,148, filed concurrently herewith, the entire disclosures of all of which are incorporated herein by reference.

FIG. 1 is a front perspective view of a stent having tapered struts according to Embodiments 1-4 of our new design;

FIG. 2 is a front elevational view of Embodiments 1-4 thereof;

FIG. 3 is a rear elevational view of Embodiments 1-4 thereof;

FIG. 4 is a right side elevational view of Embodiments 1-4 thereof;

FIG. 5 is a left side elevational view of Embodiments 1-4 thereof;

FIG. 6 is a top plan view of Embodiments 1-4 thereof;

FIG. 7 is a bottom plan view of Embodiments 1-4 thereof;

FIG. 8 is an enlarged front elevational view of a portion of FIG. 2;

FIG. 9 is an enlarged front elevational view of section C of FIG. 8, which is an enlarged strut of the stent having tapered struts according to Embodiment 1;

FIG. 10 is an enlarged front elevational view of section C of FIG. 8, which is an enlarged strut of the stent having tapered struts according to Embodiment 2;

FIG. 11 is an enlarged front elevational view of section C of FIG. 8; which is an enlarged strut of the stent having tapered struts according to Embodiment 3; and,

FIG. 12 is an enlarged front elevational view of section C of FIG. 8, which is an enlarged strut of the stent having tapered struts according to Embodiment 4.

FIG. 8 is an enlarged view of a single cell of the stent according to Embodiments 1-4. A single cell of the stent includes four struts that together form the cell. A single strut of the cell is shown enlarged in FIGS. 8-12 which respectively correspond to Embodiments 1-4. In FIG. 8, a second strut is shown to the left of the single strut. The second strut is a mirror image of the single strut taken along a plane that extends along the y-axis. Each claimed strut extending around the circumference of the stent is identical to the single strut or a mirror image of the single strut. In particular, each claimed strut having the same orientation on the stent as the single strut will have a shape or profile identical to the single strut. Each claimed strut having the same orientation on the stent as the second strut will have a shape or profile that is a mirror image of the single strut taken along a plane that extends along the y-axis.

The broken lines shown in the drawings illustrate environmental structure and form no part of the claimed design. The dot-dash lines represent boundary lines and form no part of the claimed design. It is to be understood that the claimed design extends to but does not include the defined boundary.

1 Claim, 8 Drawing Sheets

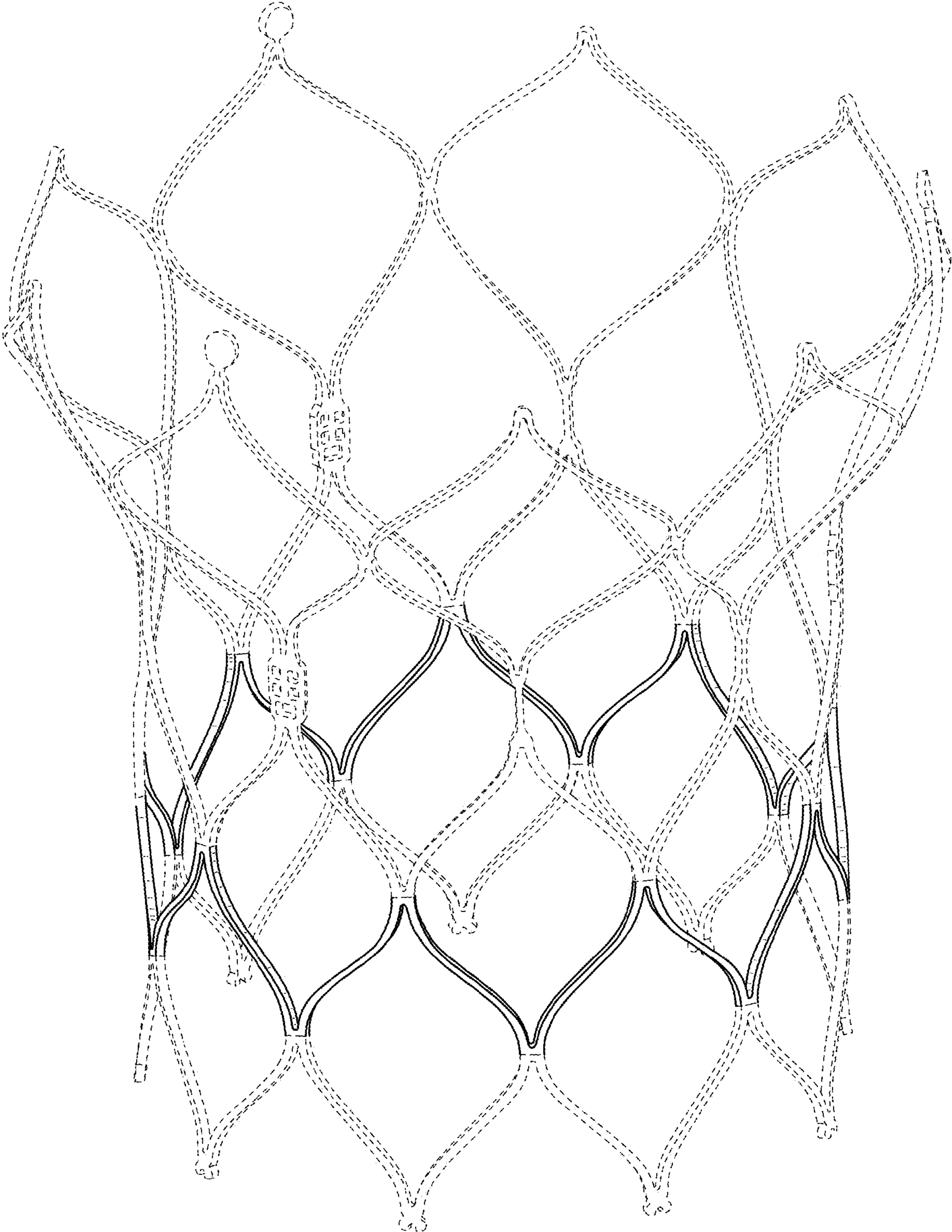


FIG. 1

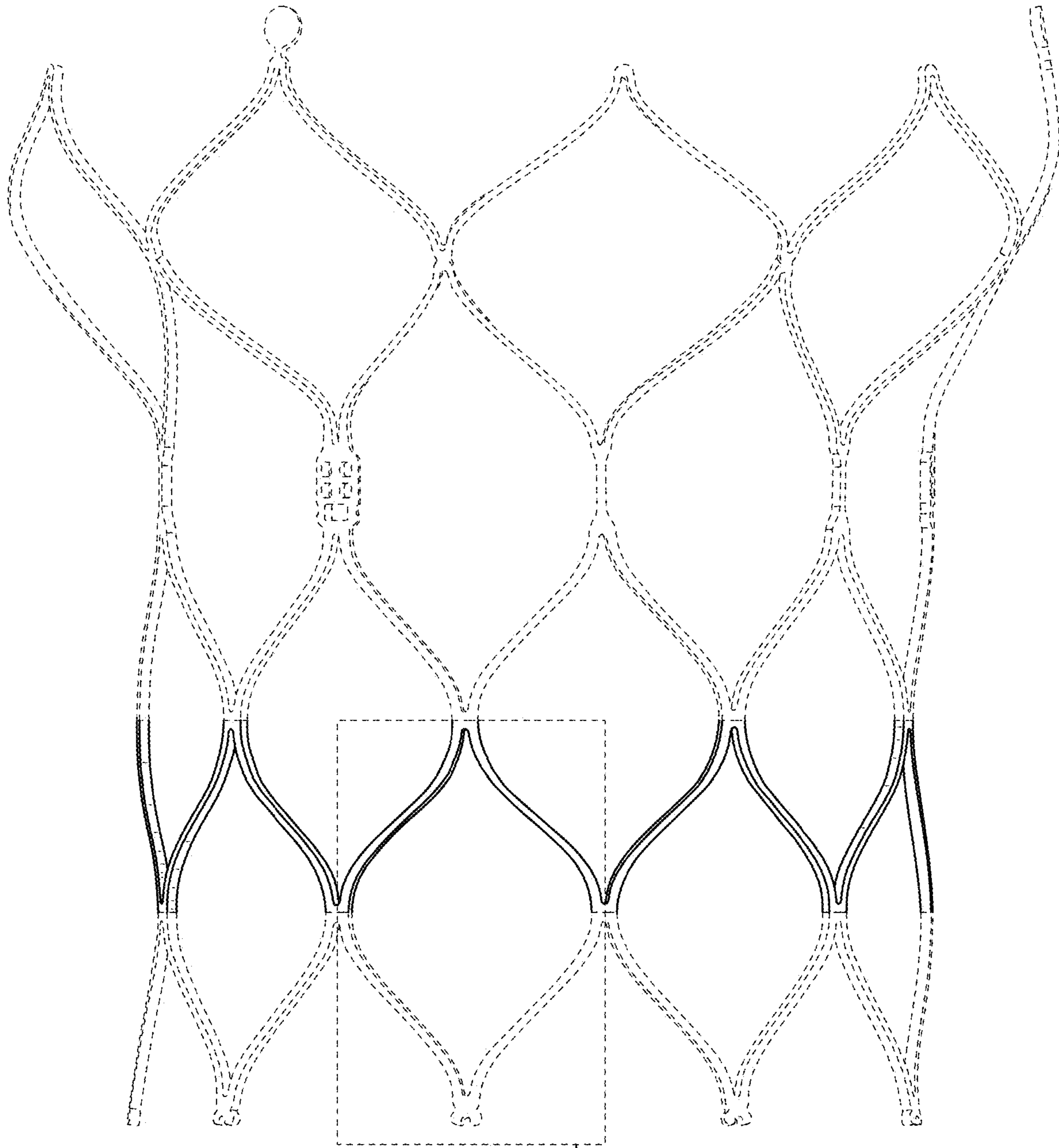
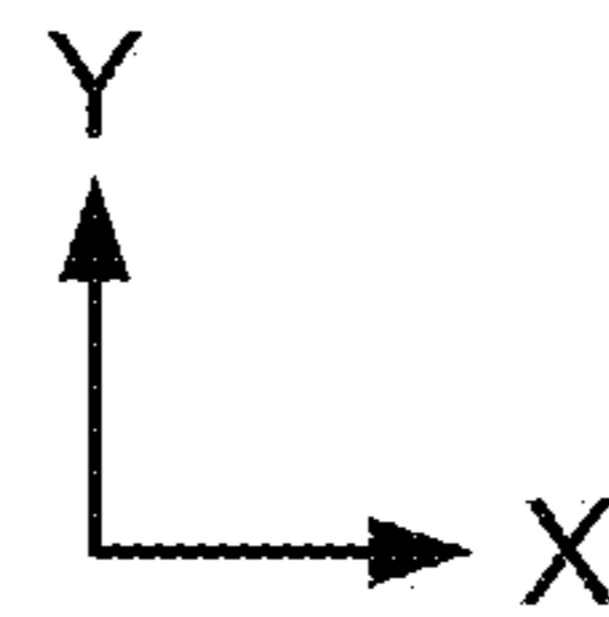


FIG. 2

FIG. 8



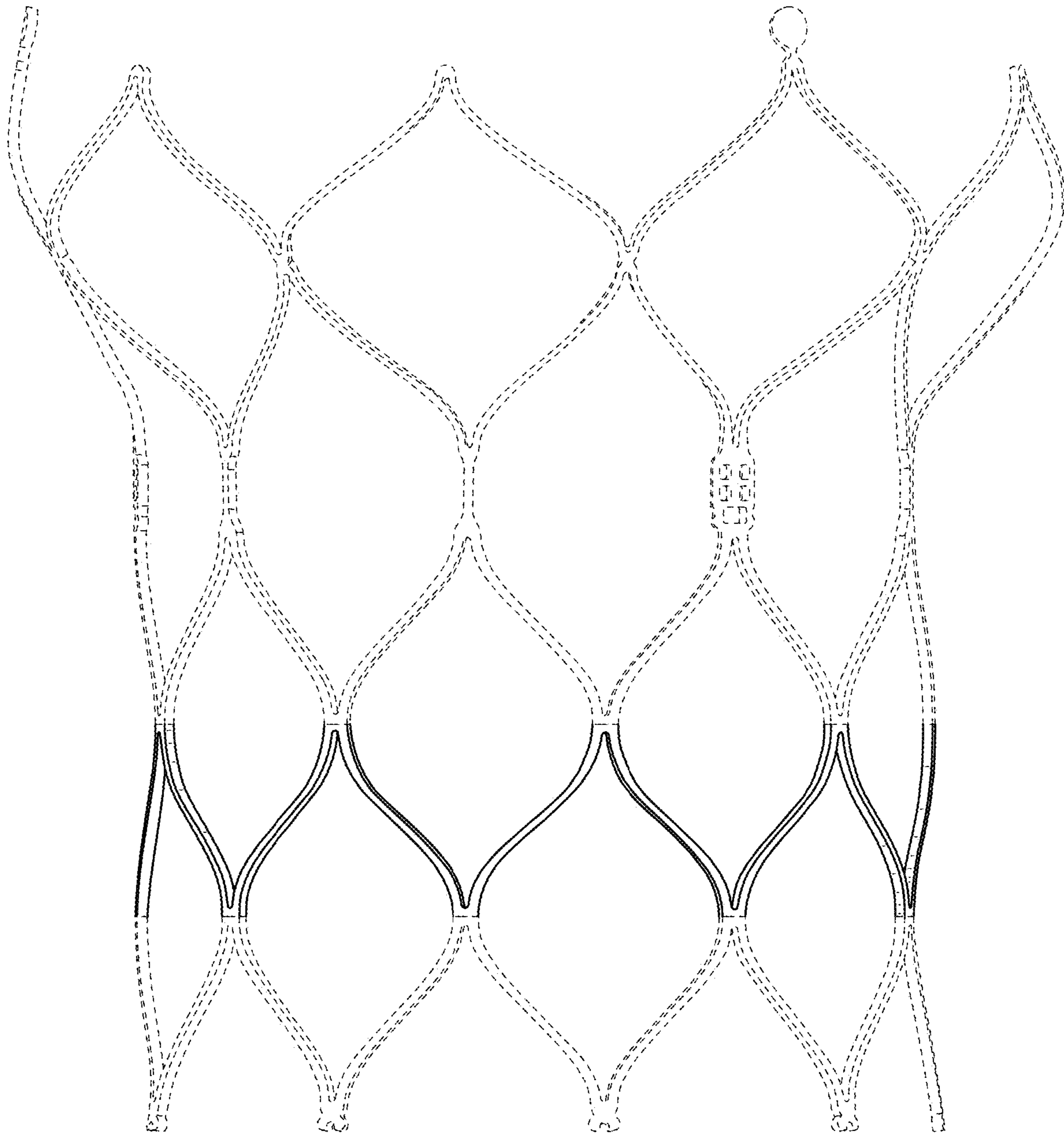


FIG. 3

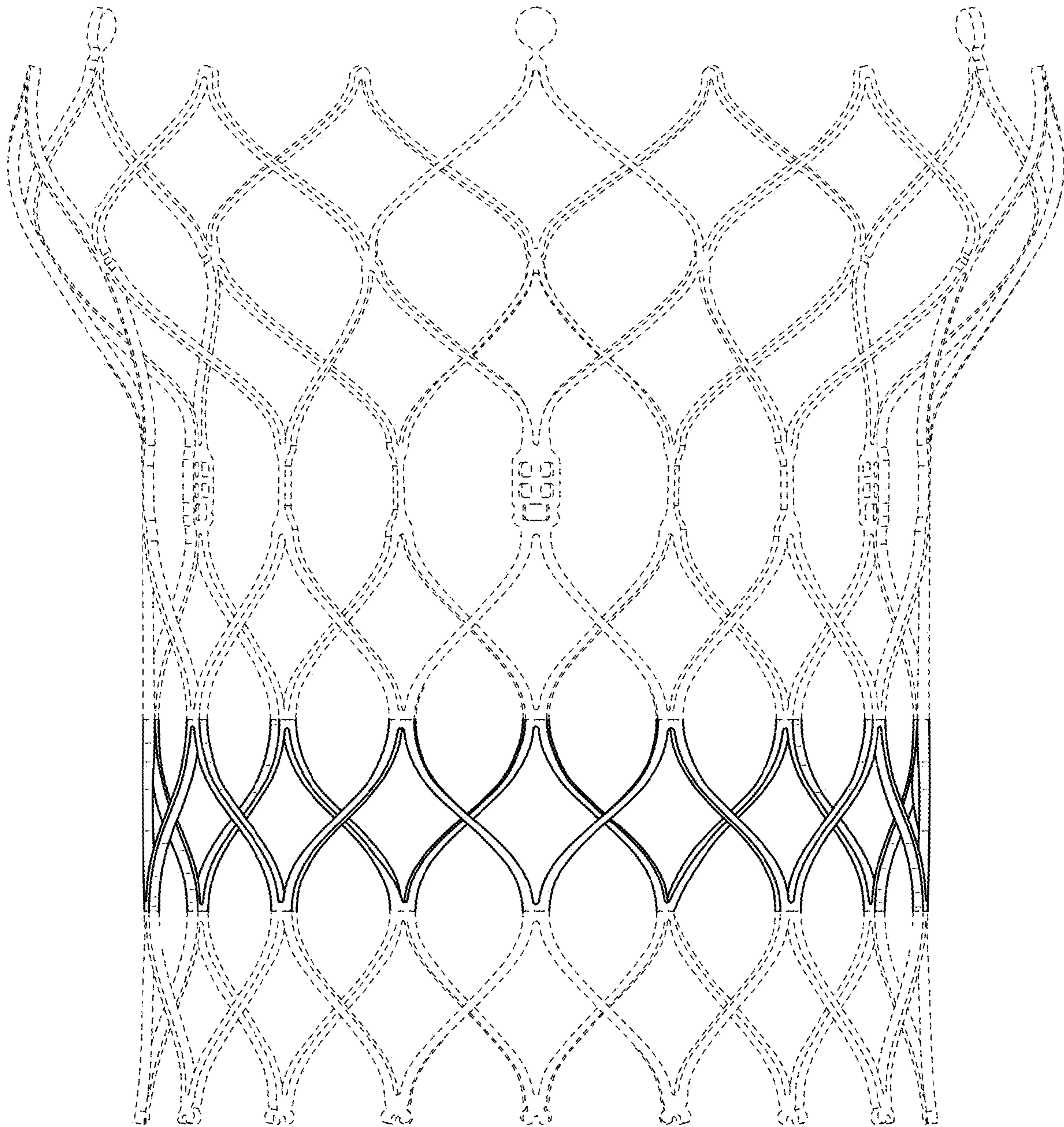


FIG. 4

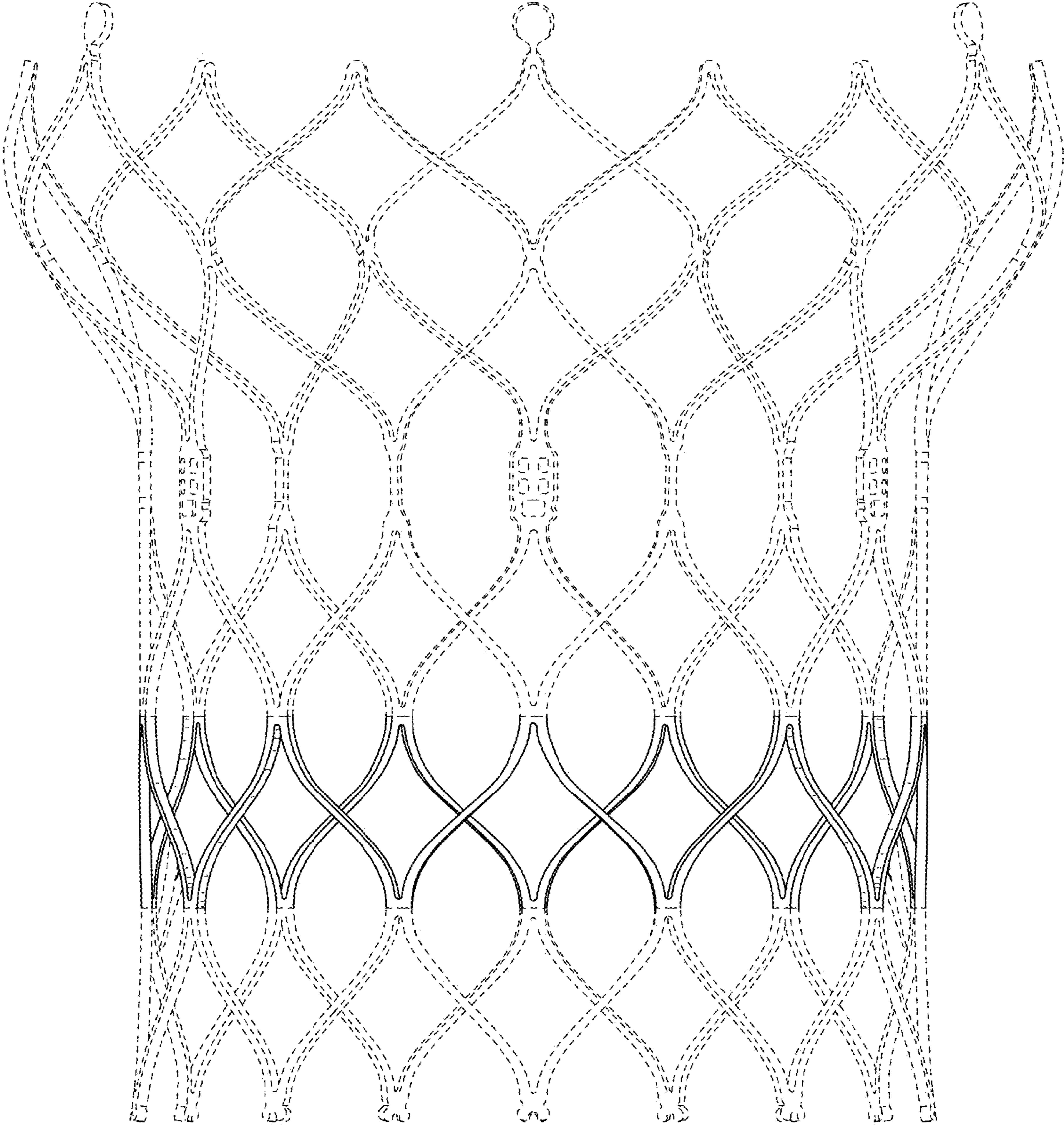


FIG. 5

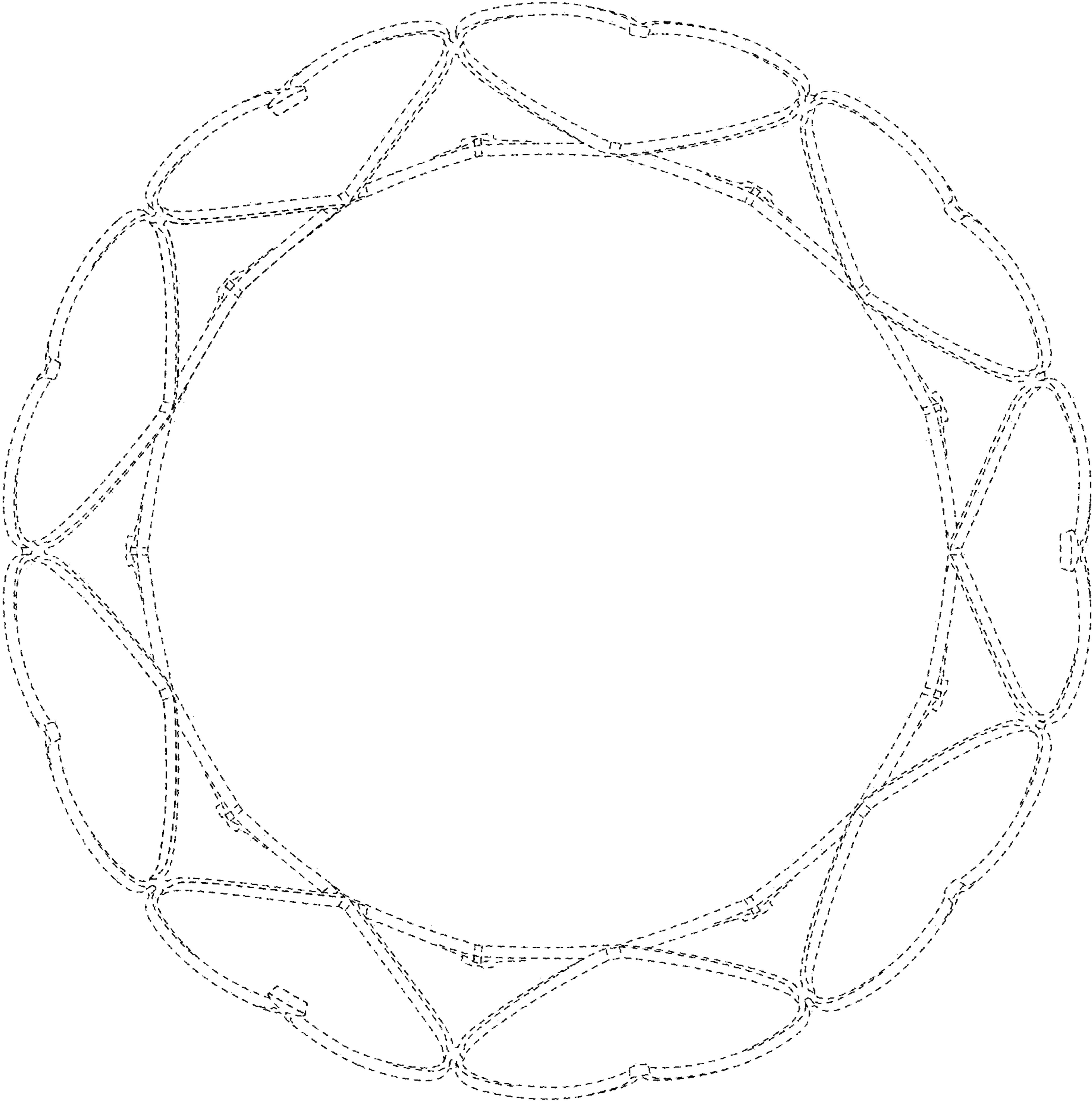


FIG. 6

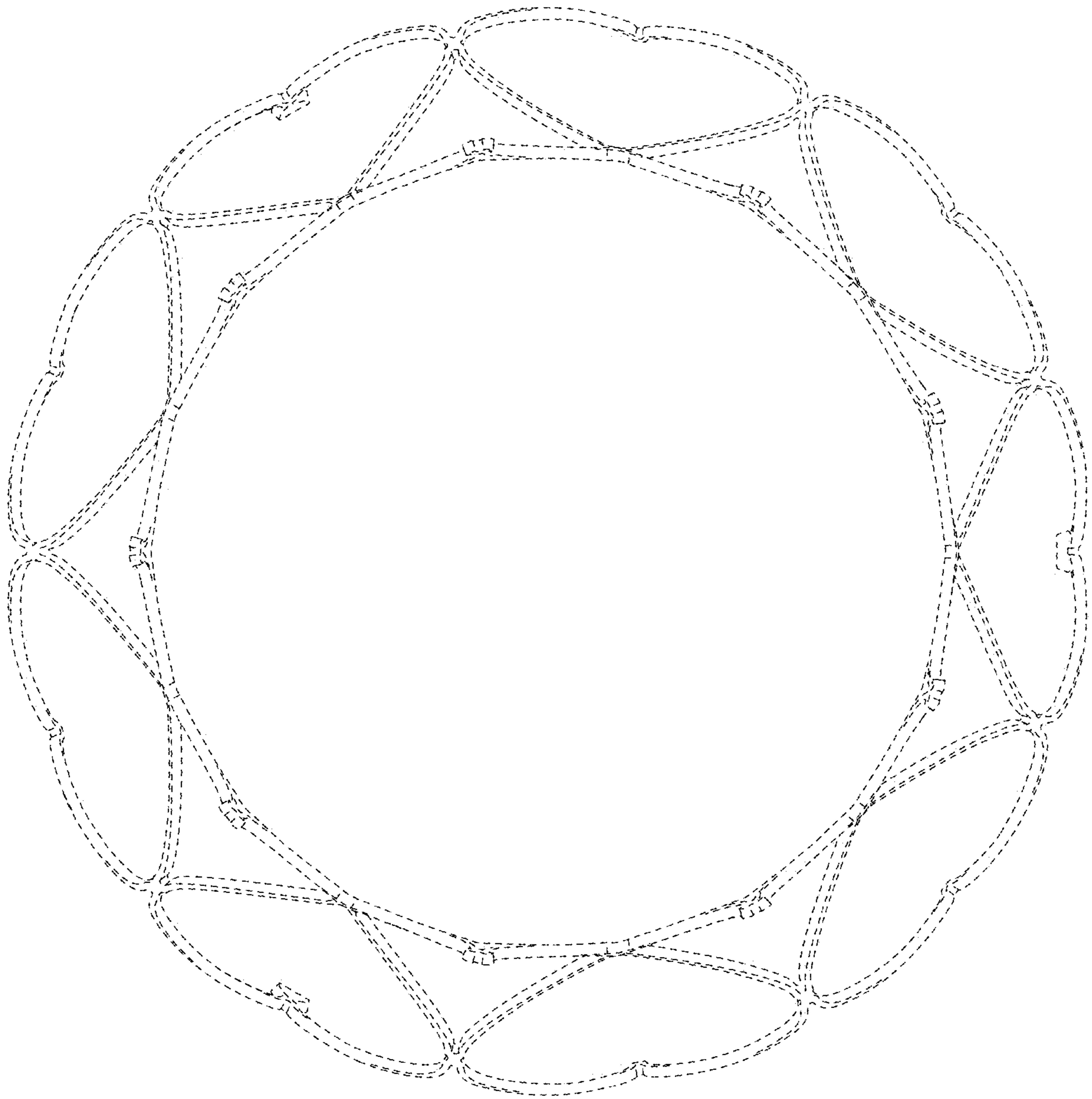


FIG. 7

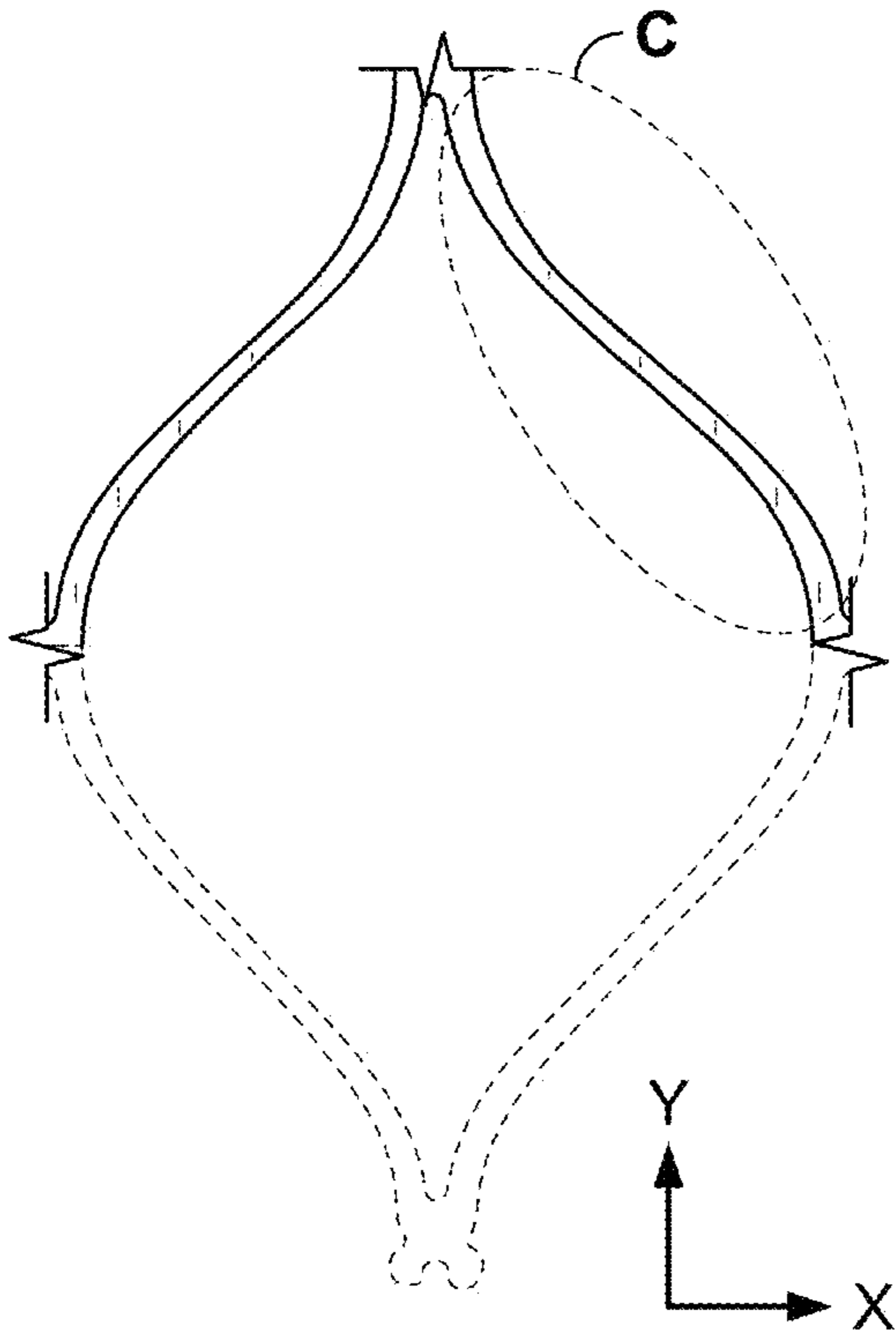


FIG. 8

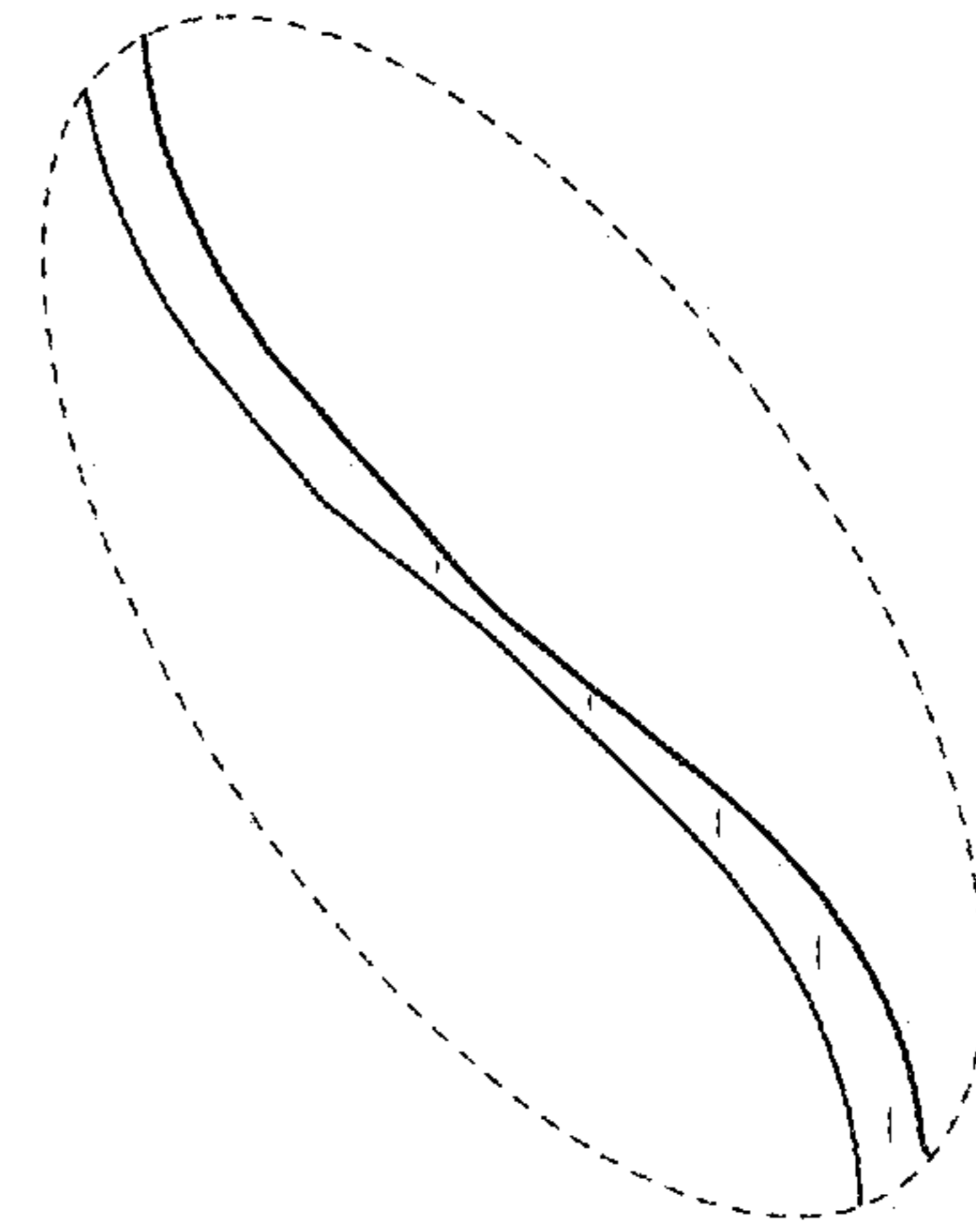


FIG. 10

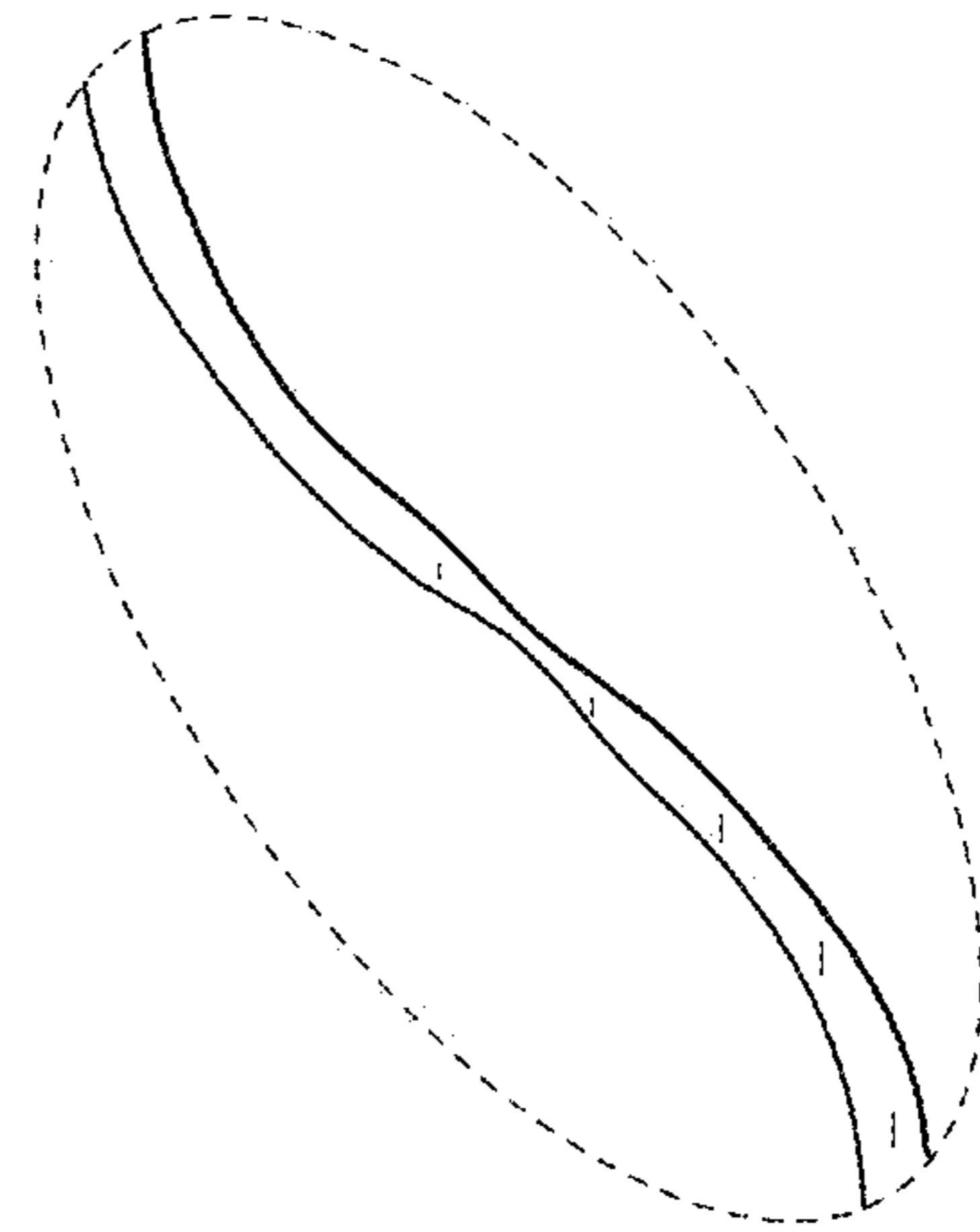


FIG. 11

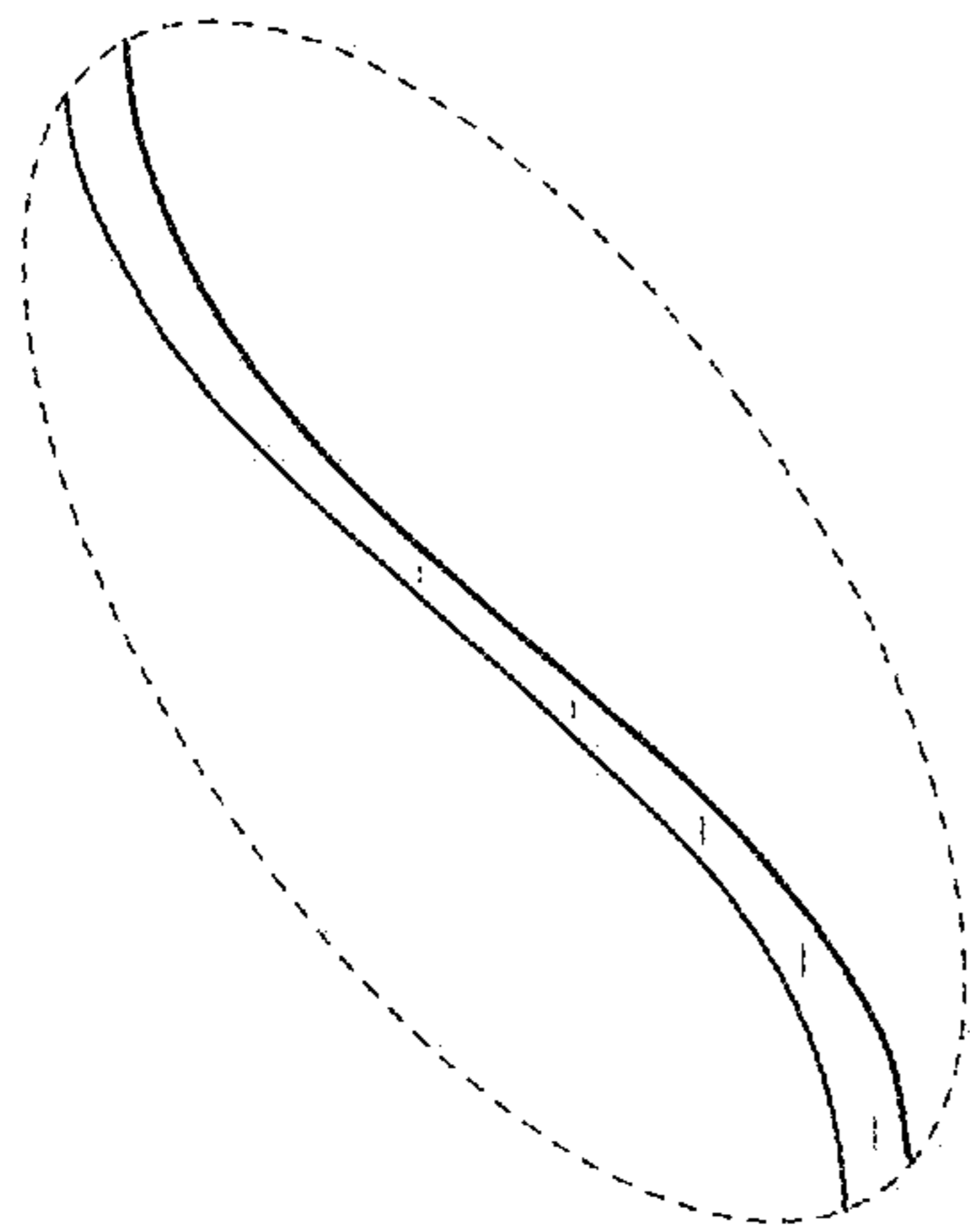


FIG. 9

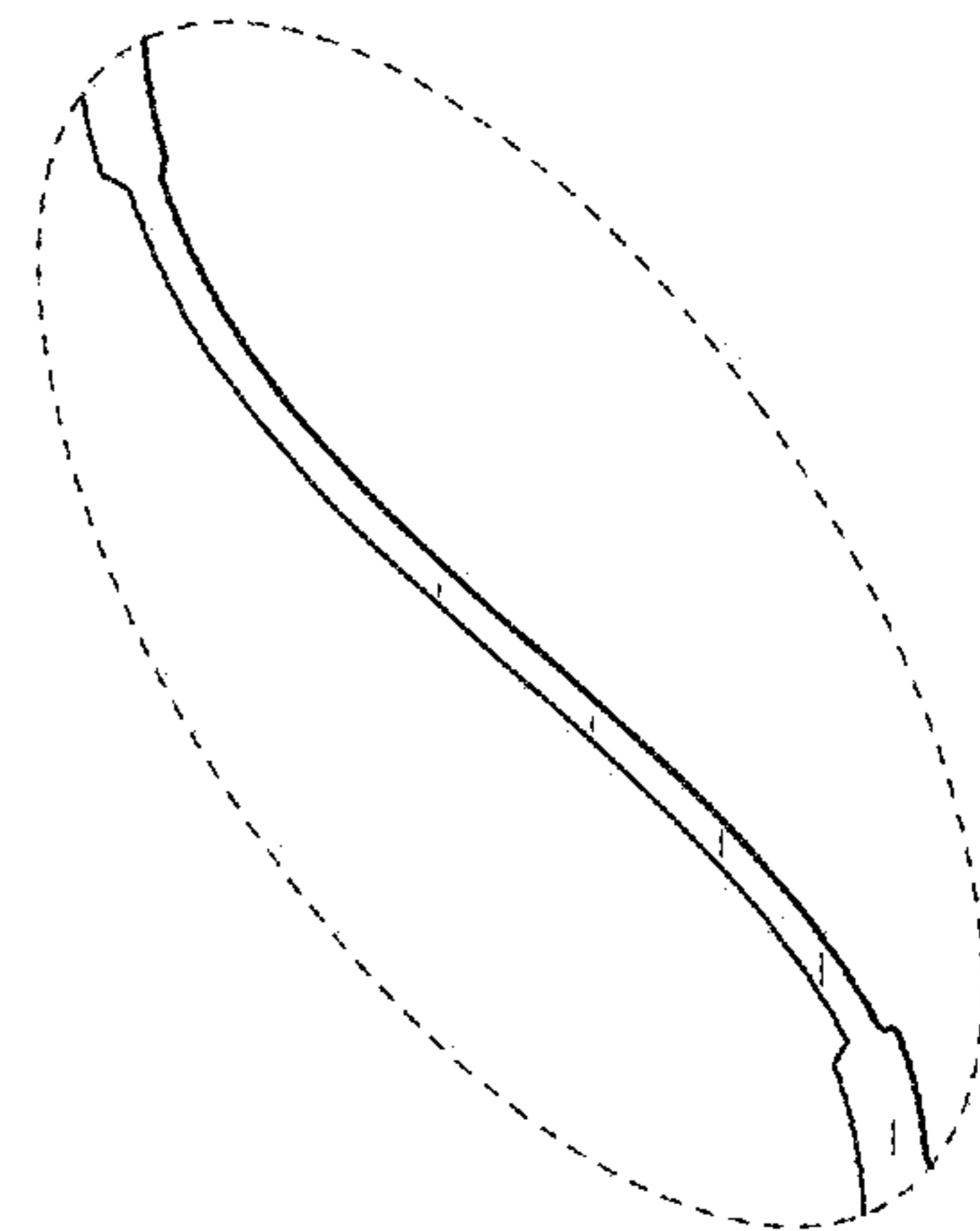


FIG. 12