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

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(54) **COMMISSURE POINTS**

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(52) **U.S. Cl.** **D24/155**

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D24/156, 133, 152, 154, 135, 141, 144-146,
D24/151; 606/194, 198; 623/23.54, 23.7,
623/1.11, 1.15, 1.16, 903, 1.29; 604/1.02,
604/103.02; 128/204.18

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,657,744	A	4/1972	Ersek
4,922,905	A	5/1990	Strecker
5,084,064	A	1/1992	Barak et al.
5,100,429	A	3/1992	Sinofsky et al.
5,163,953	A	11/1992	Vince
5,411,552	A	5/1995	Andersen et al.
5,480,423	A	1/1996	Ravenscroft et al.
5,500,016	A	3/1996	Fisher
D380,266	S	6/1997	Boatman et al.
D380,831	S	7/1997	Kavteladze et al.
D390,957	S	2/1998	Fontaine
5,843,167	A	12/1998	Dwyer et al.
5,855,601	A	1/1999	Bessler et al.
5,924,424	A	7/1999	Stevens et al.
5,961,549	A	10/1999	Nguyen et al.
5,968,068	A	10/1999	Dehdashtian et al.
6,077,297	A	6/2000	Robinson et al.
6,083,257	A	7/2000	Taylor et al.
6,214,036	B1	4/2001	Letendre et al.
6,267,783	B1	7/2001	Letendre et al.

6,306,141	B1	10/2001	Jervis
6,488,702	B1	12/2002	Besselink
6,533,810	B2	3/2003	Hankh et al.
6,623,518	B2	9/2003	Thompson et al.
D484,979	S	1/2004	Fontaine
6,716,241	B2	4/2004	Wilder et al.
6,719,789	B2	4/2004	Cox

(Continued)

FOREIGN PATENT DOCUMENTS

DE 19857887 A1 7/2000

(Continued)

OTHER PUBLICATIONS

Ruiz et al., Overview of the Pre-CE Mark Transcatheter Aortic Valve Technologies, Lenox Hill Heart and Vascular Institute of New York, 14 pages, May 26, 2010.

(Continued)

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(57) **CLAIM**

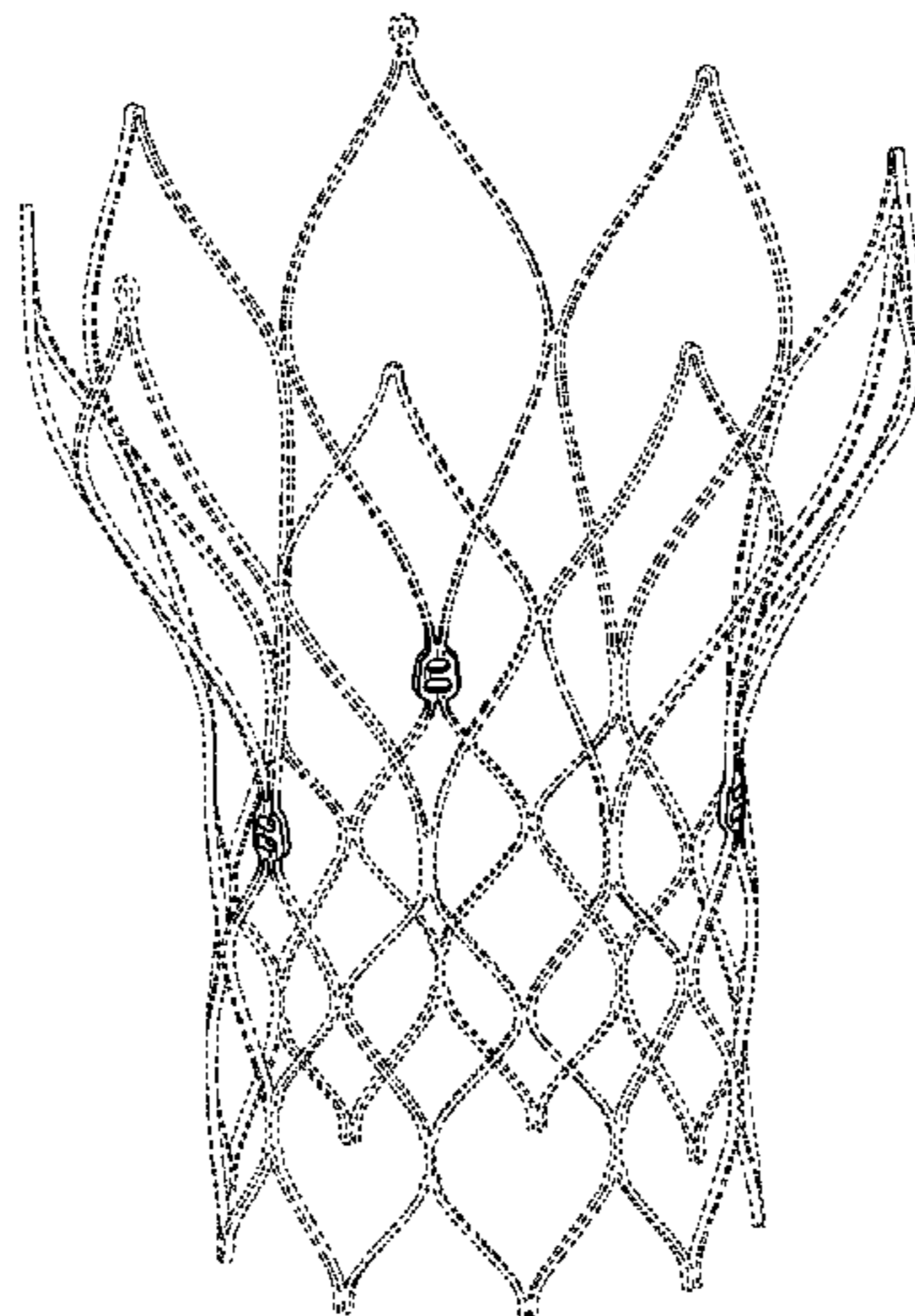
The ornamental design for commissure points, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of commissure points showing my new design;
FIG. 2 is a front side elevational view thereof;
FIG. 3 is a rear side elevational view thereof;
FIG. 4 is a right side elevational view thereof, the left side elevational view being a mirror image of the right side; and,
FIG. 5 is an enlarged perspective view of a feature thereof shown in FIG. 2.

It is noted that any broken line illustration of environmental structure in the drawing is not part of the claimed design.

1 Claim, 5 Drawing Sheets



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U.S. PATENT DOCUMENTS

6,730,118 B2 5/2004 Spenser et al.
 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
 6,893,460 B2 5/2005 Spenser et al.
 6,896,695 B2* 5/2005 Mueller et al. 623/1.15
 6,908,481 B2 6/2005 Cribier
 7,018,406 B2 3/2006 Seguin et al.
 7,137,184 B2 11/2006 Schreck
 7,267,686 B2 9/2007 DiMatteo et al.
 D553,747 S 10/2007 Fliedner
 7,326,237 B2 2/2008 DePalma et al.
 D568,476 S 5/2008 Cottone, Jr. et al.
 D569,976 S* 5/2008 Raj et al. D24/155
 7,381,218 B2 6/2008 Schreck
 7,452,371 B2 11/2008 Pavcnik et al.
 7,500,988 B1* 3/2009 Butaric et al. 623/1.16
 7,510,572 B2 3/2009 Gabbay
 RE40,816 E 6/2009 Taylor et al.
 D597,671 S 8/2009 Cottone, Jr. et al.
 7,585,321 B2 9/2009 Cribier
 7,641,687 B2 1/2010 Chinn et al.
 D612,499 S 3/2010 Ondracek et al.
 7,682,390 B2 3/2010 Seguin
 7,731,742 B2 6/2010 Schlick et al.
 D622,387 S 8/2010 Igaki
 D622,388 S 8/2010 Igaki
 7,803,185 B2 9/2010 Gabbay
 7,846,203 B2 12/2010 Cribier
 7,846,204 B2 12/2010 Letac et al.
 7,862,609 B2* 1/2011 Butaric et al. 623/1.29
 7,875,068 B2 1/2011 Mangiardi et al.
 7,887,579 B2 2/2011 Mangiardi et al.
 D635,261 S 3/2011 Rossi
 D635,262 S 3/2011 Rossi
 7,914,569 B2 3/2011 Nguyen et al.
 2003/0050694 A1 3/2003 Yang et al.
 2003/0130726 A1 7/2003 Thorpe et al.
 2004/0049262 A1 3/2004 Obermiller et al.
 2004/0093075 A1 5/2004 Kuehne
 2004/0210304 A1 10/2004 Seguin et al.
 2005/0096726 A1 5/2005 Sequin et al.
 2005/0137695 A1 6/2005 Salahieh et al.
 2005/0137697 A1 6/2005 Salahieh et al.
 2006/0004436 A1* 1/2006 Amarant et al. 623/1.15
 2006/0074484 A1 4/2006 Huber
 2006/0122692 A1 6/2006 Gilad et al.
 2006/0173532 A1 8/2006 Flagle et al.
 2006/0206202 A1 9/2006 Bonhoeffer et al.
 2006/0241744 A1 10/2006 Beith
 2006/0259120 A1 11/2006 Vongphakdy et al.
 2006/0259137 A1 11/2006 Artof et al.
 2006/0265056 A1 11/2006 Nguyen et al.
 2006/0276813 A1 12/2006 Greenberg
 2007/0010876 A1 1/2007 Salahieh et al.
 2007/0027534 A1 2/2007 Bergheim et al.
 2007/0043435 A1 2/2007 Seguin et al.
 2007/0055358 A1 3/2007 Krolik et al.
 2007/0073391 A1 3/2007 Bourang et al.
 2007/0088431 A1 4/2007 Bourang et al.
 2007/0093890 A1 4/2007 Eliassen et al.
 2007/0100435 A1 5/2007 Case et al.
 2007/0112422 A1 5/2007 Dehdashtian
 2007/0168013 A1 7/2007 Douglas
 2007/0203575 A1 8/2007 Forster et al.
 2007/0213813 A1 9/2007 Von Segesser et al.
 2007/0239271 A1 10/2007 Nguyen
 2007/0244545 A1 10/2007 Birdsall et al.
 2007/0244552 A1 10/2007 Salahieh et al.
 2007/0288087 A1 12/2007 Fearnot et al.
 2008/0039934 A1 2/2008 Styrc
 2008/0125853 A1 5/2008 Bailey et al.
 2008/0140189 A1 6/2008 Nguyen et al.
 2008/0147182 A1 6/2008 Righini 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.
 2008/0275540 A1 11/2008 Wen
 2009/0054975 A1 2/2009 del Nido et al.
 2009/0112309 A1 4/2009 Jaramillo et al.
 2009/0138079 A1 5/2009 Tuval et al.
 2009/0204202 A1* 8/2009 Dierking et al. 623/1.16
 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.
 2010/0185277 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.
 2010/0249911 A1 9/2010 Alkhatib
 2010/0249923 A1 9/2010 Alkhatib et al.
 2010/0256737 A1 10/2010 Pollock et al.
 2010/0274346 A1* 10/2010 Chouinard et al. 623/1.15
 2010/0286768 A1 11/2010 Alkhatib
 2010/0298931 A1 11/2010 Quadri et al.
 2011/0071613 A1 3/2011 Wood et al.
 2011/0098802 A1 4/2011 Braido et al.

FOREIGN PATENT DOCUMENTS

DE 10121210 A1 11/2002
 DE 202008009610 U1 12/2008
 EP 0850607 A1 7/1998
 EP 1000590 A1 5/2000
 EP 1129744 A1 9/2001
 EP 1157673 A2 11/2001
 EP 1360942 A1 11/2003
 EP 1584306 A1 10/2005
 EP 1598031 A2 11/2005
 FR 2847800 A1 6/2004
 WO 9117720 A1 11/1991
 WO 9716133 A1 5/1997
 WO 9832412 A2 7/1998
 WO 9913801 A1 3/1999
 WO 0128459 A1 4/2001
 WO 0149213 A2 7/2001
 WO 0154625 A1 8/2001
 WO 0156500 A2 8/2001
 WO 0176510 A2 10/2001
 WO 0236048 A1 5/2002
 WO 0247575 A2 6/2002
 WO 03047468 A1 6/2003
 WO 2006073626 A2 7/2006
 WO 2007071436 A2 6/2007
 WO 2008070797 A2 6/2008
 WO 2010008548 A2 1/2010
 WO 2010008549 A1 1/2010
 WO 2010051025 A1 5/2010
 WO 2010087975 A1 8/2010
 WO 2010096176 A1 8/2010
 WO 2010098857 A1 9/2010

OTHER PUBLICATIONS

U.S. Appl. No. 29/375,257.
 U.S. Appl. No. 29/375,254.
 U.S. Appl. No. 29/375,253.
 U.S. Appl. No. 29/375,239.
 U.S. Appl. No. 29/375,238.
 U.S. Appl. No. 29/375,243.
 U.S. Appl. No. 29/375,251.
 U.S. Appl. No. 29/375,260.
 U.S. Appl. No. 29/375,252.
 U.S. Appl. No. 29/375,258.
 U.S. Appl. No. 29/375,232.
 U.S. Appl. No. 29/375,235.

* cited by examiner

FIG. 1

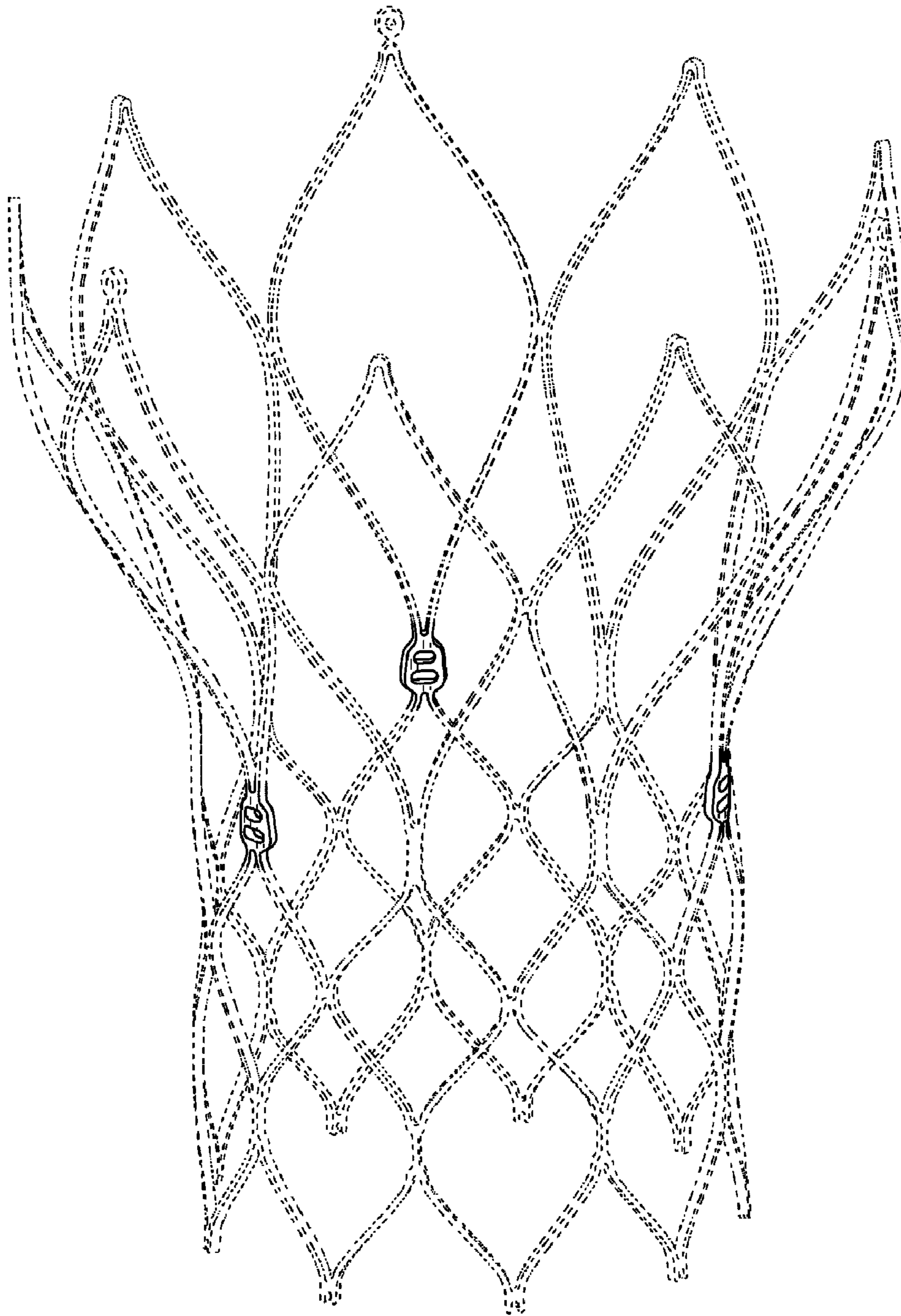


FIG. 2

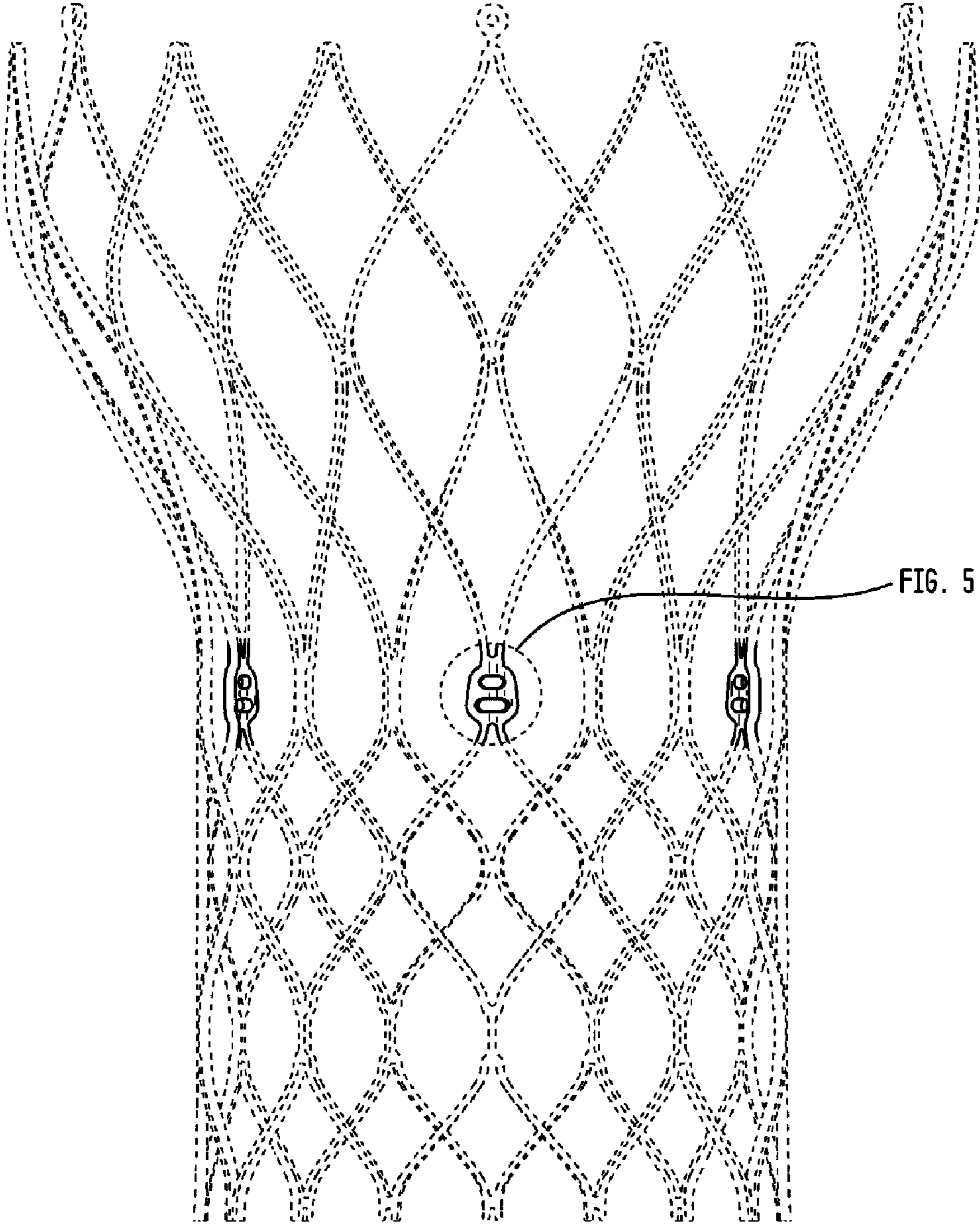


FIG. 3

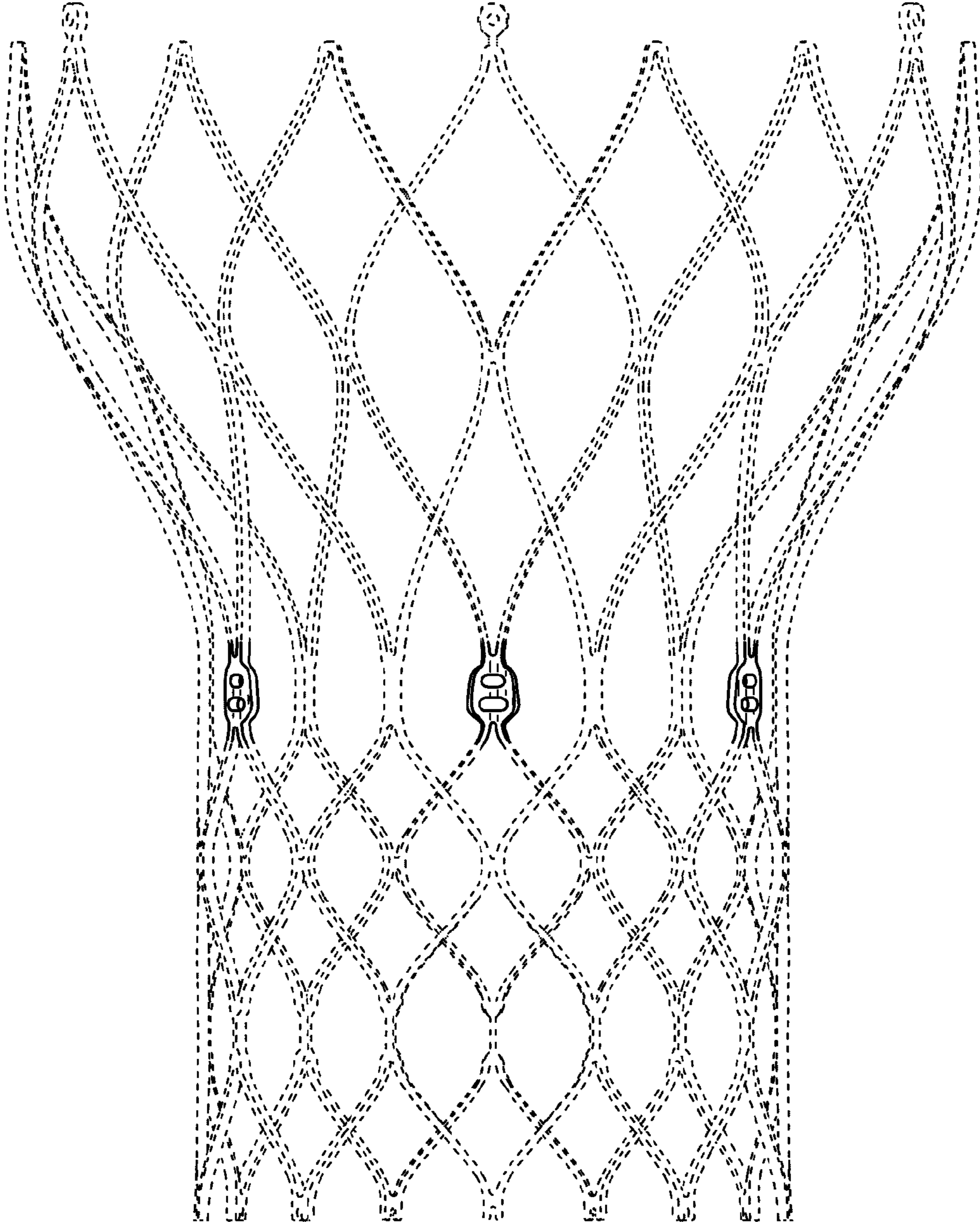


FIG. 4

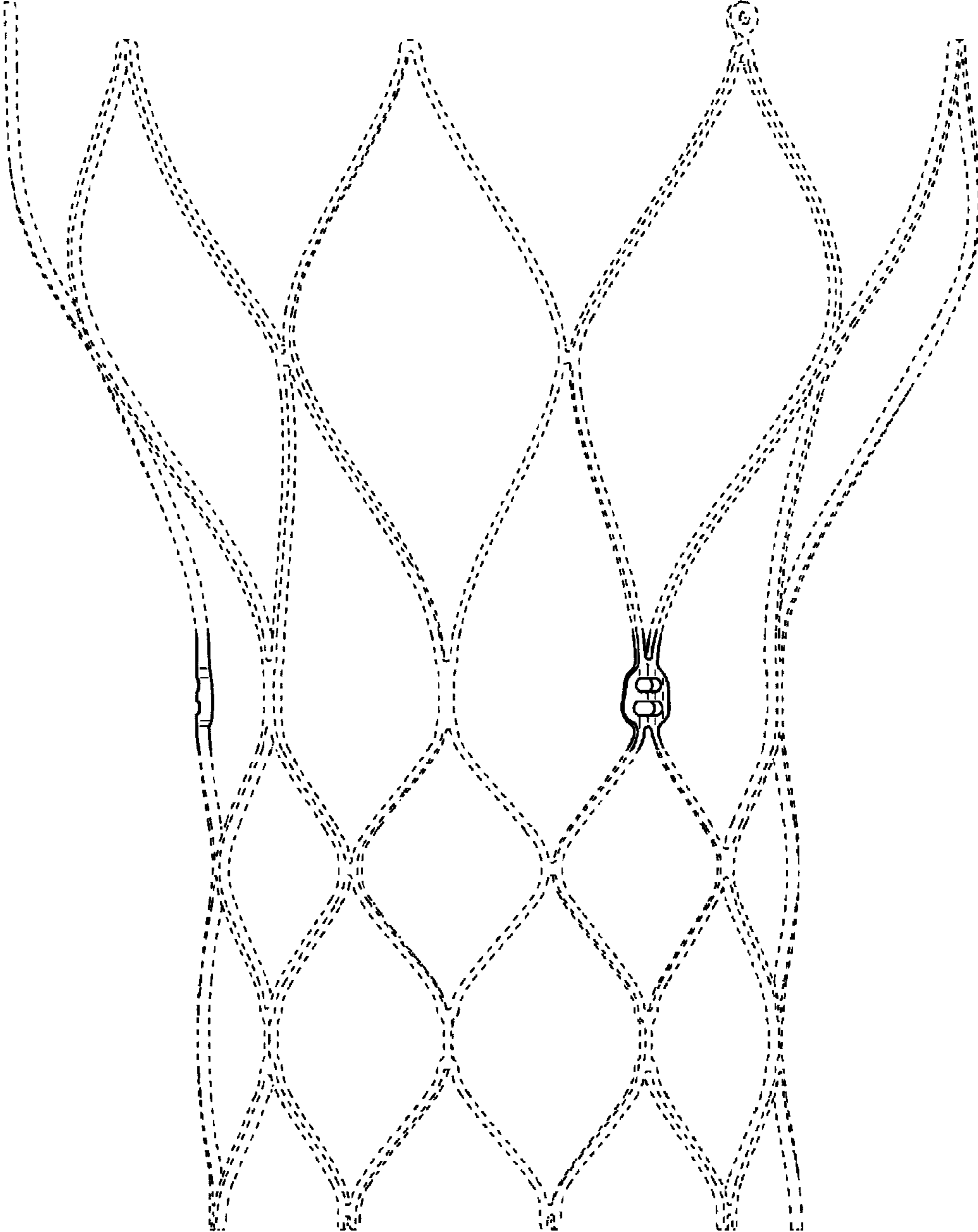


FIG. 5

