



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

(10) **Patent No.:** **US D888,245 S**
(45) **Date of Patent:** **** Jun. 23, 2020**

- (54) **STENT DEVICE**
- (71) Applicant: **Vactronix Scientific, LLC**, Fremont, CA (US)
- (72) Inventors: **Scott Carpenter**, Fremont, CA (US); **Michael Poor**, San Jose, CA (US)
- (73) Assignee: **Vactronix Scientific, LLC**, Fremont, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/670,317**
- (22) Filed: **Nov. 15, 2018**

D740,427 S *	10/2015	McDonnell	.....	D24/171
2002/0095207 A1	7/2002	Moriuchi et al.	.....	623/1.15
2003/0055485 A1 *	3/2003	Lee	.....	A61F 2/91 623/1.15
2003/0218735 A1	11/2003	Trozera	.....	355/104
2004/0024445 A1	2/2004	Dickson	.....	623/1.19
2004/0230291 A1	11/2004	Richter	.....	623/1.15

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2680901	8/1997	.....	A61M 29/02
JP	2002-520129	7/2002	.....	A61M 29/02

(Continued)

OTHER PUBLICATIONS

Notice of Reasons for Rejection issued in corresponding foreign application No. JP 2018-220280, pp. 1-3 (Dec. 3, 2019).
(Continued)

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Related U.S. Application Data

- (63) Continuation of application No. 14/213,974, filed on Mar. 14, 2014, now Pat. No. 10,143,574.
- (51) **LOC (12) Cl.** **24-03**
- (52) **U.S. Cl.**
USPC **D24/155**
- (58) **Field of Classification Search**
USPC D24/155
CPC A61F 2/07; A61F 2/90; A61F 2/958; A61F 2002/016; A61F 2002/072; A61F 2002/075; A61F 2002/91541; A61F 2220/0075; A61F 2230/0069
See application file for complete search history.

(57) **CLAIM**

The ornamental design for a stent device, as shown and described.

DESCRIPTION

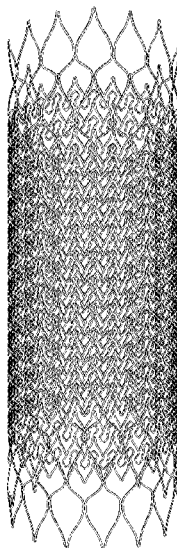
FIG. 1 is a top perspective view of a stent device in accordance with the invention;
FIG. 2 is a left elevation view of FIG. 1;
FIG. 3 is a right elevation view of FIG. 1;
FIG. 4 is a front elevation view of FIG. 1;
FIG. 5 is a rear elevation view of FIG. 1;
FIG. 6 is a top plan view of FIG. 1;
FIG. 7 is a bottom plan view of FIGS. 1; and,
FIG. 8 is an expanded side elevation view of a flattened section of the stent device of FIG. 1.

1 Claim, 7 Drawing Sheets

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,733,665 A	3/1988	Palmaz	.....	128/343
5,102,417 A	4/1992	Palmaz	.....	606/195
5,195,984 A	3/1993	Schatz	.....	606/195
7,594,927 B2	9/2009	Majercak et al.	.....	623/1.15
D665,079 S *	8/2012	Zago	.....	D24/155
D665,080 S *	8/2012	Zago	.....	D24/155
D723,165 S *	2/2015	Chanduszko	.....	D24/155
D723,166 S *	2/2015	Igaki	.....	D24/155



(56)

References Cited

U.S. PATENT DOCUMENTS

2006/0030929	A1	2/2006	Musbach	623/1.15
2007/0129786	A1	6/2007	Beach et al.	623/1.15
2011/0106239	A1*	5/2011	Goto	A61F 2/91 623/1.16
2012/0009325	A1	1/2012	Storment	427/2.25
2012/0136427	A1	5/2012	Palmaz et al.	623/1.15
2012/0282391	A1	11/2012	Palmaz et al.	427/2.25
2012/0310319	A1	12/2012	Tieu et al.	623/1.4
2014/0042022	A1	2/2014	Xu et al.	204/298.15
2014/0109383	A1	4/2014	Carpenter et al.	29/527.2
2014/0114435	A1	4/2014	Carpenter et al.	623/23.76

FOREIGN PATENT DOCUMENTS

JP	2003-528690	9/2003	.....	A61M 29/02
JP	2007-526099	9/2007	.....	A61F 2/84
JP	2008-517728	5/2008	.....	A61F 2/81
JP	2008-544765	12/2008	.....	A61F 2/82
JP	2009-508009	2/2009	.....	C23C 16/06
JP	2009-533083	9/2009	.....	A61F 2/82

WO	WO 2004/010902	2/2004	.....	A61F 2/06
WO	WO 2010/124286	10/2010	.....	A61F 2/06
WO	WO 2015/070124	5/2015	.....	A61F 2/89

OTHER PUBLICATIONS

PCT International Search Report issued in corresponding foreign application, pp: 1-3 (dated Aug. 6, 2014).
 PCT Preliminary Report on Patentability issued in corresponding foreign application, pp: 1-12 (dated Sep. 24, 2015).
 European Search Report issued in corresponding foreign application, pp: 1-8 (dated Nov. 11, 2016).
 Examination Report No. 1 issued in AU 2014236249, pp. 1-4 (dated Oct. 17, 2017).
 Notice of Non-Final Rejection issued in JP 2016-503076, pp. 1-3 (dated Jan. 9, 2018).
 Examination Report No. 2 issued in AU 2014236249, pp. 1-3 (dated Jul. 27, 2018).
 Examination Report No. 3 issued in AU 2014236249, pp. 1-2 (dated Sep. 12, 2018).
 Notice of Final Decision of Rejection issued in JP 2016-503076, pp. 1-2 (dated Jul. 24, 2018).

* cited by examiner

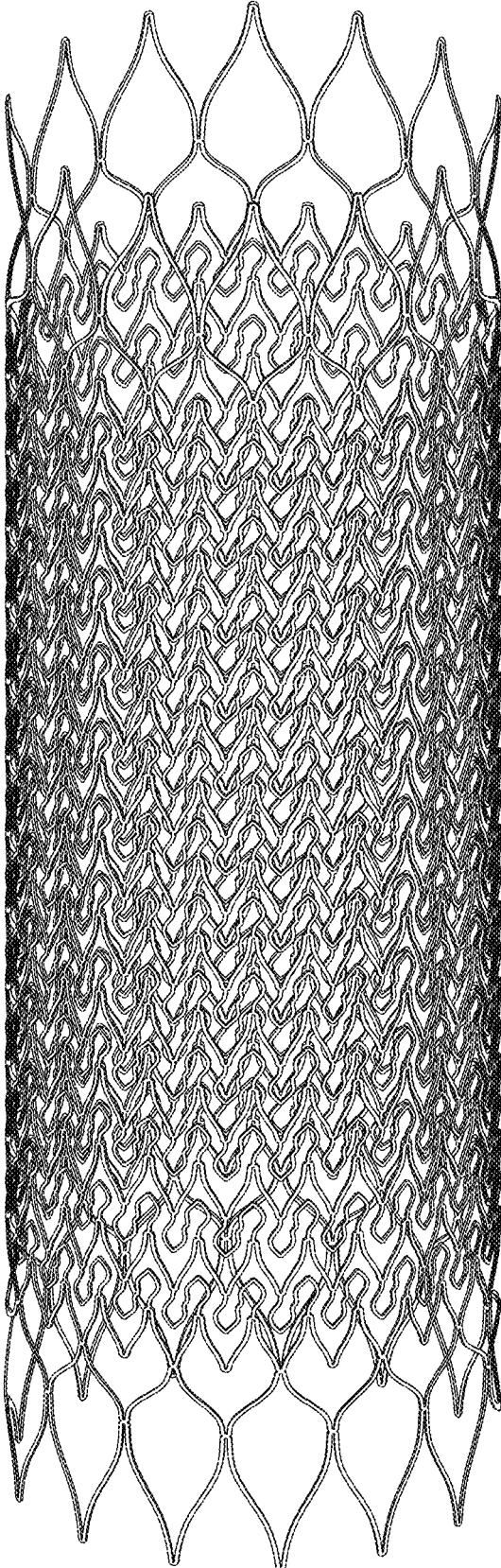


FIG. 1

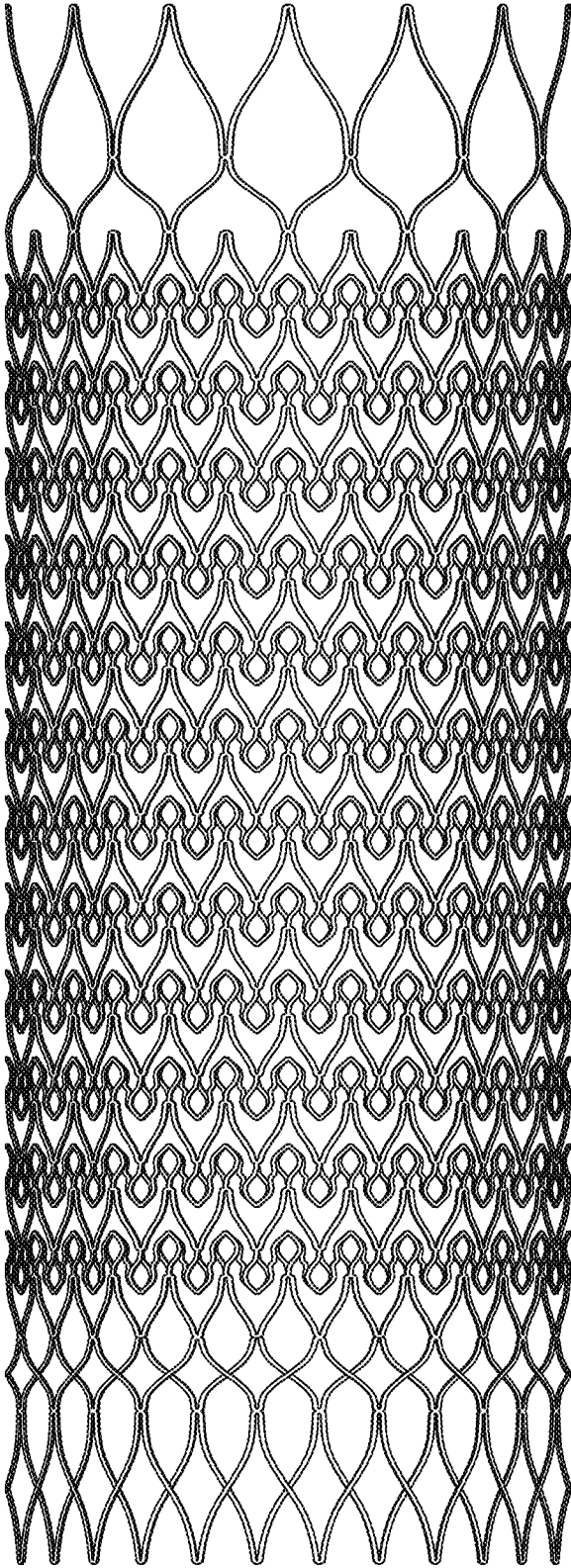


FIG. 2

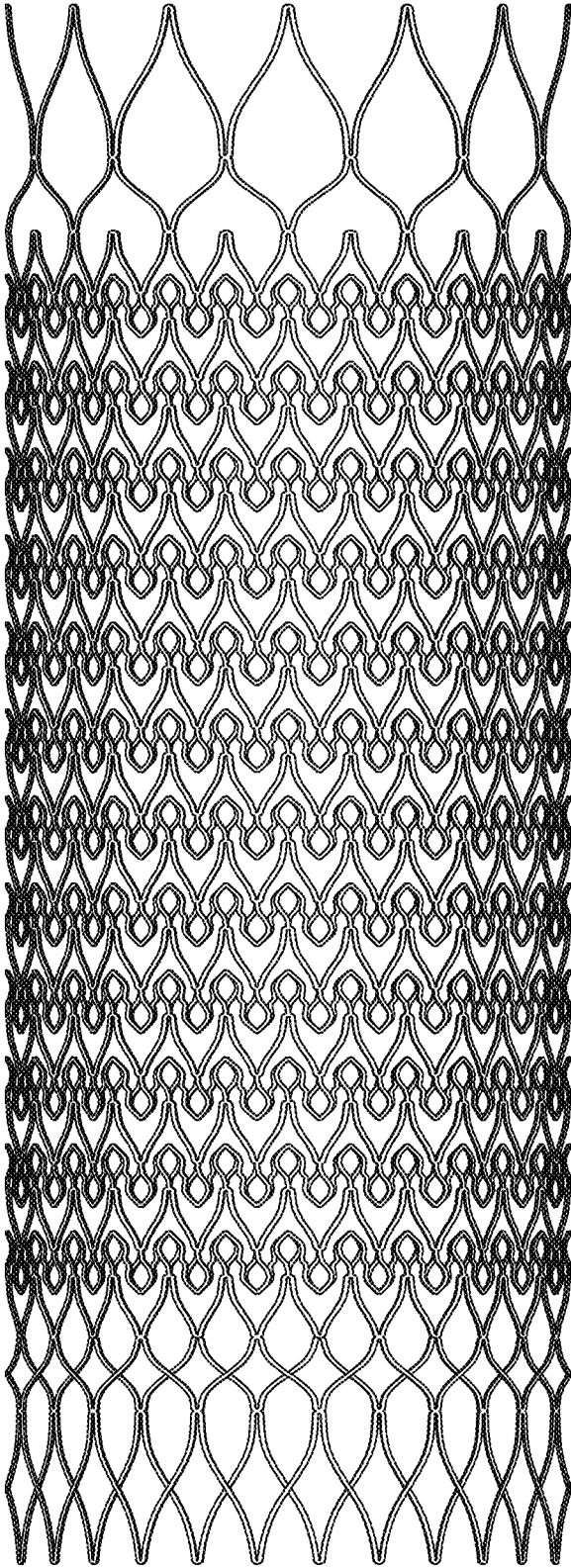


FIG. 3

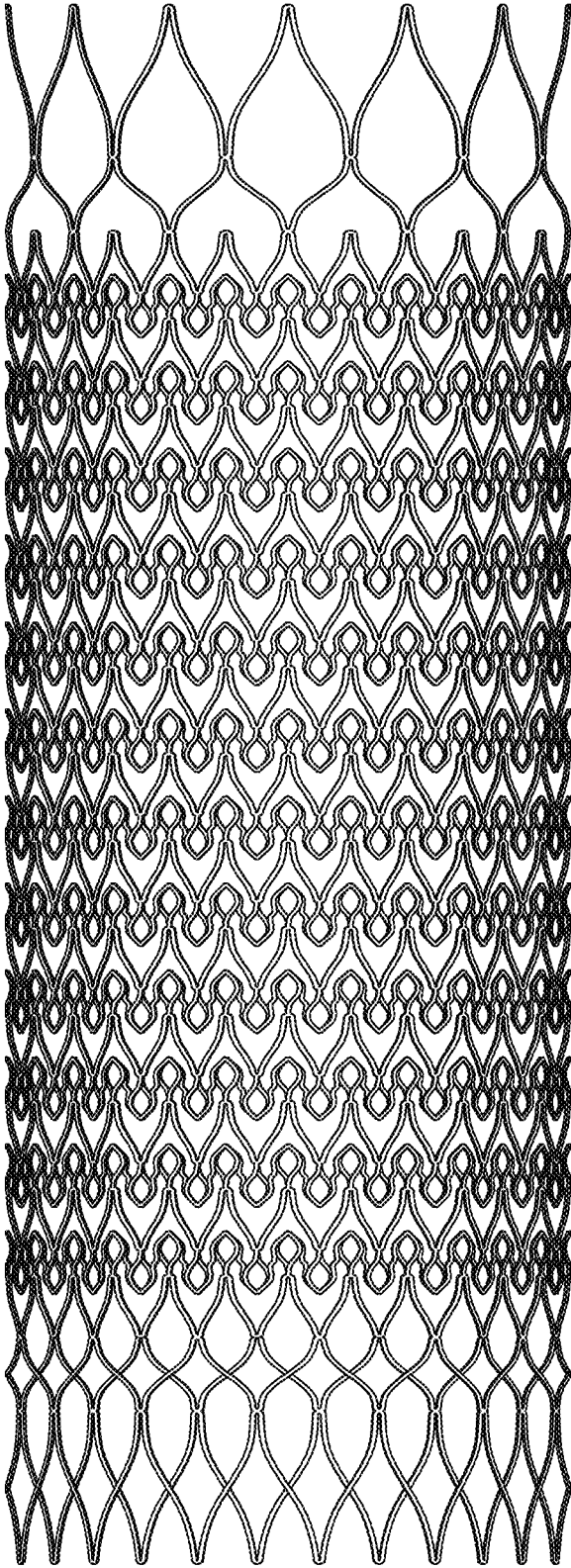


FIG. 4

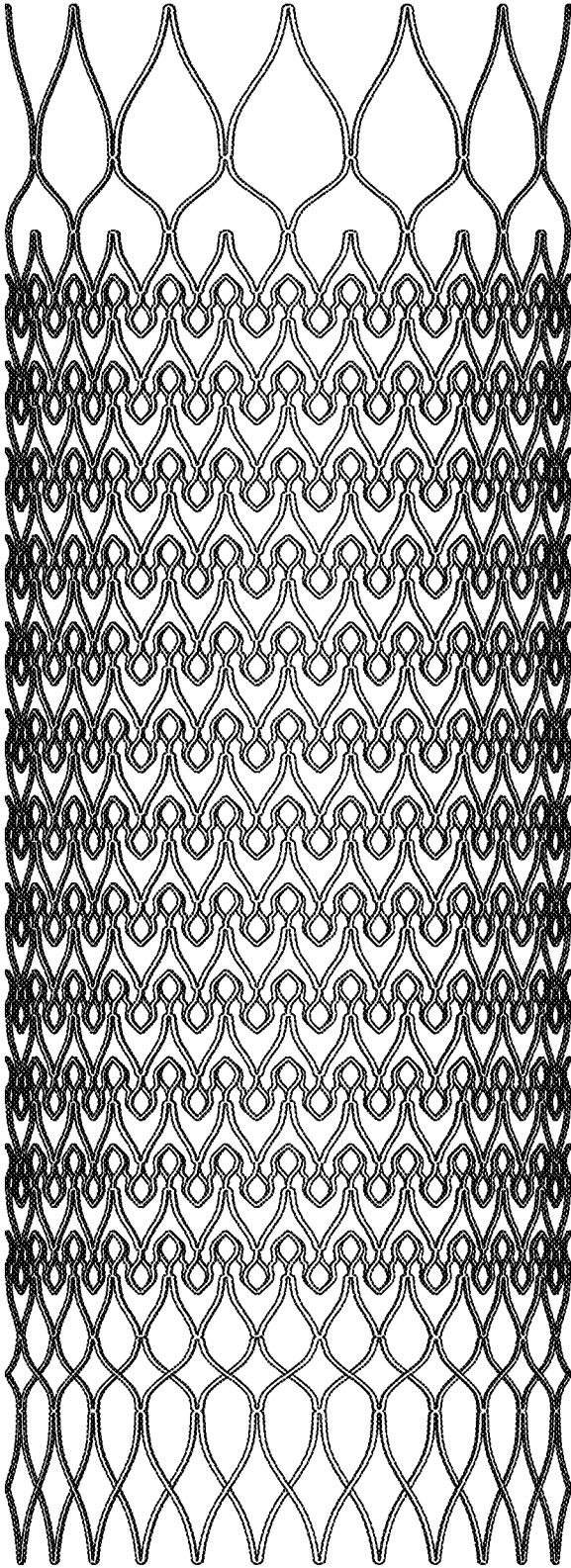


FIG. 5

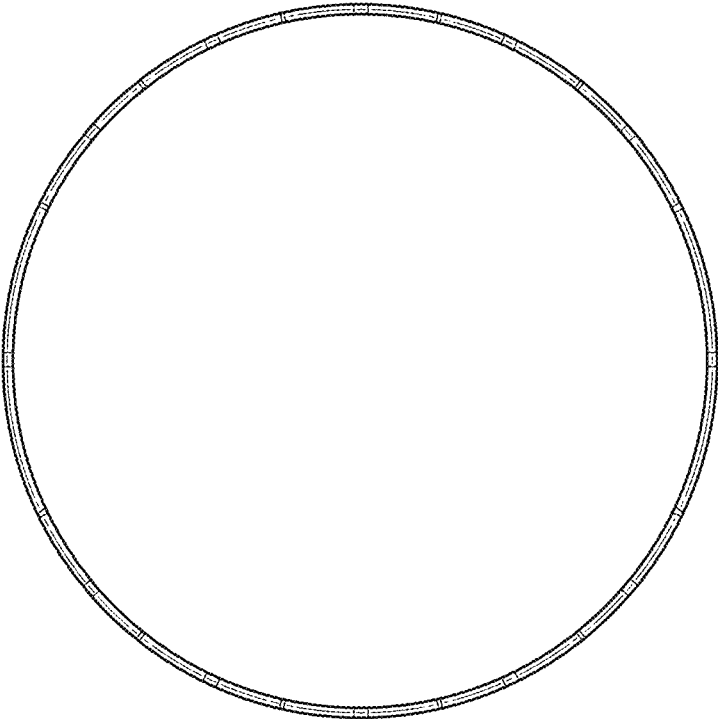


FIG. 6

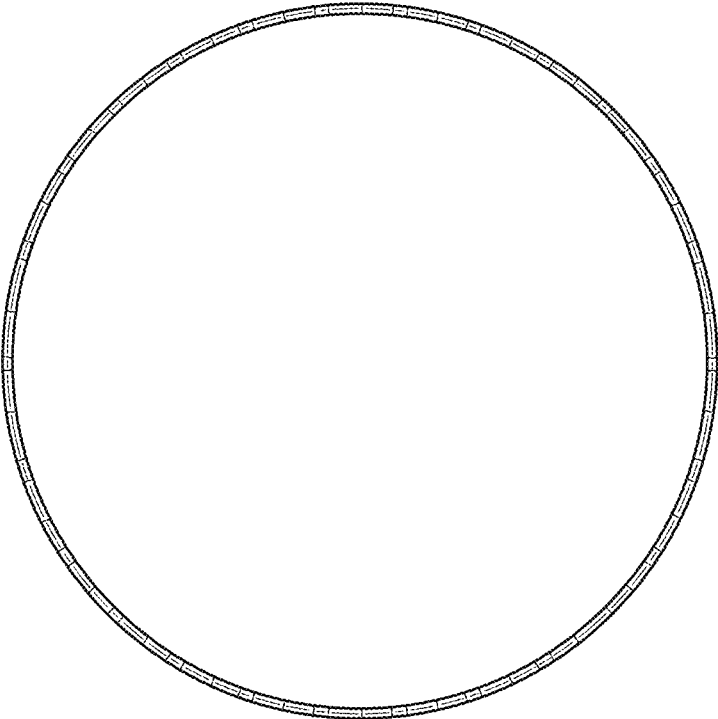


FIG. 7

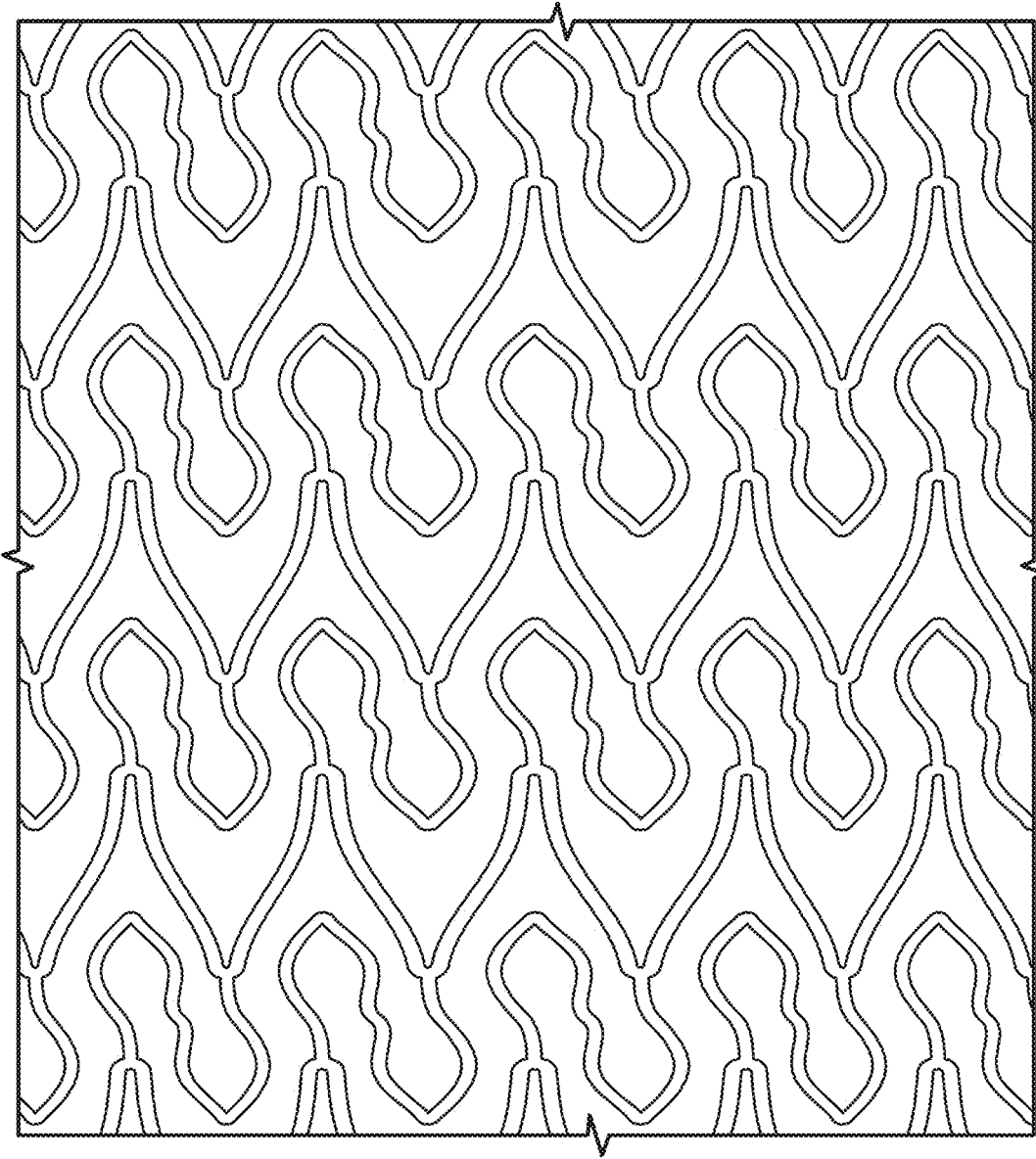


FIG. 8