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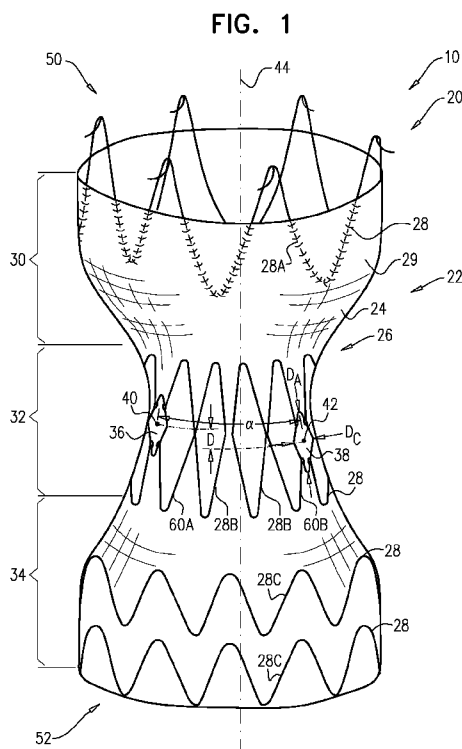
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61/566,654 4 December 2011 (04.12.2011) US(71) Applicant: ENDOSPAN LTD. [IL/IL]; 4 Maskit Street,  
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76122 Rehovot (IL).(81) Designated States (unless otherwise indicated, for every  
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ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: BRANCHED STENT-GRAFT SYSTEM



(57) Abstract: An endovascular stent-graft (10) includes a generally tubular hourglass-shaped body (22), which is configured to assume a radially-compressed delivery configuration and a radially-expanded deployment configuration. The hourglass-shaped body (22) includes a flexible stent member (26), which includes a plurality of structural stent elements (28); and a tubular fluid flow guide (24), which includes a fabric (29), and is attached to the structural stent elements (28). The hourglass-shaped body (22) is shaped so as to define a narrow waist portion (32) longitudinally surrounded by and adjacent to wider first and second longitudinal portions (30, 34). The fabric (29) along the waist portion (32) is shaped so as to define at least first and second lateral apertures (36, 38). Other embodiments are also described.

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- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2012/050506

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 2/06 (2013.01)

USPC - 623/1.35

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8) - A61F 2/00, 2/06, 2/82, 2/84, 2/90 (2013.01)

USPC - 623/1.12, 1.13, 1.15, 1.35

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CPC - A61F 2/07, 2/95 (2013.01)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PatBase, Google Patents, Google

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0117003 A1 (OURIEL et al) 17 June 2004 (17.06.2004) entire document	1-13, 17-33, 35, 38-41, 52-56
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Y		14-16, 34, 36, 48, 57-66, 71-79
Y	WO 2011/007354 A1 (BENARY et al) 20 January 2011 (20.01.2011) entire document	14-16
Y	WO 2011/070576 A1 (BENARY) 16 June 2011 (16.06.2011) entire document	34, 36
Y	US 2011/0288622 A1 (CHAN et al) 24 November 2011 (24.11.2011) entire document	48
Y	US 2002/0198585 A1 (WISSELINK) 26 December 2002 (26.12.2002) entire document	72-74
A	US 2005/0102018 A1 (CARPENTER et al) 12 May 2005 (12.05.2005) entire document	1-66, 71-79

☐ Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 May 2013

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2012/050506

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

(See Supplemental Sheet)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  
1-66, 71-79

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.