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[Continued on next page]

(54) Title: TREATING CONGESTIVE HEART FAILURE

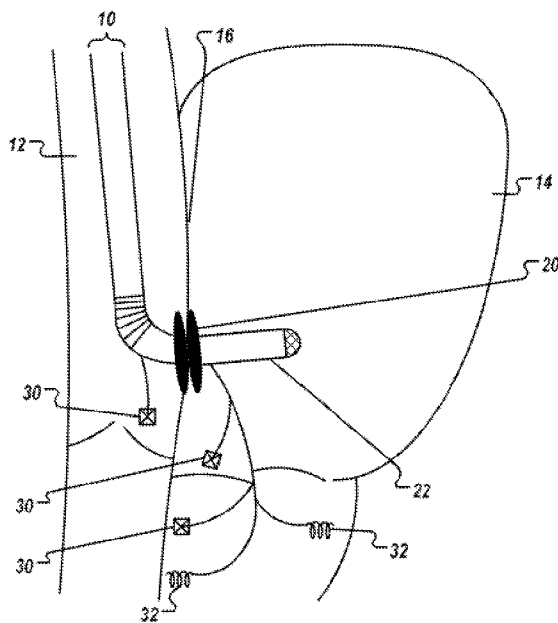


Figure 3

(57) Abstract: This document relates to materials and methods for circulatory bypass of a ventricle in the heart of a mammal. For example, materials and methods for bypassing a permanently or temporarily impaired left ventricle in the heart of a mammal (e.g., a human) are provided.

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *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))*

Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

(88) Date of publication of the international search report:

24 February 2011

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2010/034389**A. CLASSIFICATION OF SUBJECT MATTER***A61M 1/12(2006.01)i, A61M 29/02(2006.01)i*

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)

A61M 1/12; G06F 15/16; H04J 3/22; H04B 7/02

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS (KIPO internal) "heart", "ventricle", "bypassing", and "pump", and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 04753221 A (KENSEY, K. et al.) 28 Jun. 1988 See abstract, figures (1A,2,5,6), columns (1,3-5), and claims (1,2,11)	1-9
A	US 20060161095 A1 (ABOUL-HOSN, W. N. et al.) 20 Jul. 2006 See abstract, figures (1,11), paragraphs (2,3,9,58,59), and claim (1)	1-9
A	US 20050187425 A1 (ALFERNESS, C. A. et al.) 25 Aug. 2005 See abstract, figures (1,2), paragraphs (2,6,7,24-27), and claims (1-3,12)	1-9
A	US 06533716 B1 (SCHMITZ-RODE, T. et al.) 18 Mar. 2003 See abstract, figures (1-3,5), columns (1,2), and claims (1,7,8,10)	1-9

 Further documents are listed in the continuation of Box C. See patent family annex.

* 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 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

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2010/034389**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.: 10-21
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 10-21 pertain to methods for treatment of the human or animal body by therapy, as well as diagnostic methods, and thus relate to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT, to search.
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:

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 an additional fee, this Authority did not invite payment of any additional fee.
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.:

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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2010/034389

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 04753221 A	28.06.1988	None	
US 2006-0161095 A1	20.07.2006	US 2006-161095 A1 US 7022100 B1 US 7731675 B2	20.07.2006 04.04.2006 08.06.2010
US 2005-0187425 A1	25.08.2005	None	
US 06533716 B1	18.03.2003	AT 301481 T AU 1999-24236 A1 AU 2423699 A CA 2322012-A1 DE 29804046 U1 EP 1061968 A1 EP 1061968 B1 IL 137827D0 JP 04-059625 B2 JP 2003-504091 A JP 2003-504091 T JP 2003-504091 T N020004235A N020004235D0 WO 99-44651 A1 WO 99-44651A1	15.08.2005 20.09.1999 20.09.1999 10.09.1999 30.04.1998 27.12.2000 10.08.2005 31.10.2001 12.03.2008 04.02.2003 04.02.2003 04.02.2003 24.08.2000 24.08.2000 10.09.1999 10.09.1999