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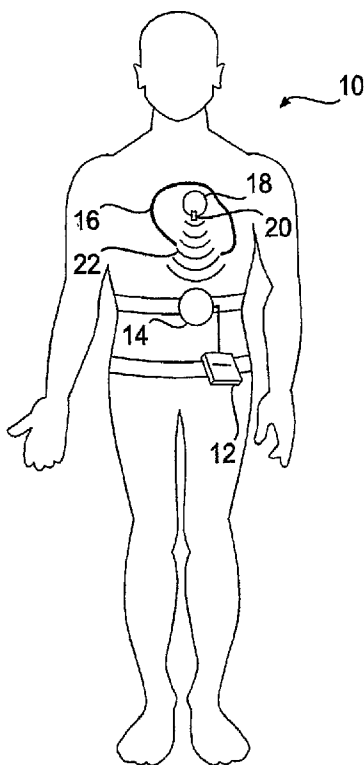
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[Continued on next page]

(54) Title: IMPLANTABLE DEVICE FOR TELEMETRIC MEASUREMENT OF BLOOD PRESSURE/TEMPERATURE WITHIN THE HEART



(57) Abstract: A system and method for the intra corporal, telemetric measuring of blood pressure, particularly within the heart, includes a substantially rigid sensor chip mounted in a holder and an antenna. The holder is anchored within an appropriate location in the cardiovascular system, such as in the cardiac septum, during surgery to position at least one capacitive pressure sensor on the chip in the blood flow to be sensed. Measured values are transmitted telemetrically from the chip to an extra corporal monitoring device.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/60798

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:
Group I, claims 1-33 and 43-48, drawn to an intra-cardiac pressure measuring system with an integrated chip.
Group II, claims 34-42, drawn to a method of sensing blood pressure with an integrated chip.

- 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.:
1-33 and 43-48

- 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

International application No.

PCT/US06/60798

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61B 6/00 (2007.10)
 USPC - 600/436
 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) - A61B 6/00 (2007.10)
 USPC - 600/436

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

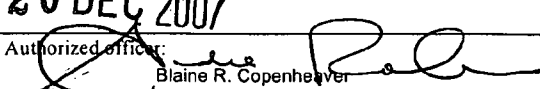
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 PatBase, Google

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,963,771 B2 (SCARANTINO et al) 08 November 2005 (08.11.2005) entire document	43-45
Y		1-33, 46-48
Y	US 2005/0187487 A1 (AZIZKHAN et al) 25 August 2005 (25.08.2005) entire document	13-23, 46-48
Y	US 6,855,115 B2 (FONSECA et al) 15 February 2005 (15.02.2005) entire document	1-33, 48
Y	US 2005/0113647 A1 (LEE et al) 26 May 2005 (26.05.2005) entire document	4, 6-9
Y	US 6,895,265 B2 (SILVER) 09 January 2003 (09.01.2003) entire document	9
Y	WO 2005/051189 A2 (FLAHERTY et al) 09 June 2005 (09.06.2005) entire document	10, 11
Y	US 2004/0113790 A1 (HAMEL et al) 17 June 2004 (17.06.2004) entire document	11
Y	US 5,231,996 A (BARDY et al) 03 August 1993 (03.08.1993) entire document	18-21
Y	US 2005/0043765 A1 (WILLIAMS et al) 24 February 2005 (24.02.2005) entire document	27
Y	US 5,871,627 A (ABRAHAM FUCHS et al) 16 February 1999 (16.02.1999) entire document	28-33

Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search 14 November 2007	Date of mailing of the international search report 20 DEC 2007
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer:  Blaine R. Copenhaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774