

- (57) Abstract:** A device for accessing an anatomic target area surrounded by a wall includes an elongated body having a passage longitudinally extending therethrough. An arm extends from the distal end of the elongated body, and does not obstruct the passage of the elongated body. A tooth member is disposed on an outer surface of the arm. The tooth member includes a penetrating end configured to engage the wall surrounding the target anatomic area. When used for accessing the pericardial space, the elongated body particularly the side of the arm, can be positioned against the parietal pericardium. The penetrating end engages the parietal pericardium. Once engaged, a working space is created by lifting the parietal pericardium. Other devices then can be introduced through the passage of the elongated body and into the pericardial space to perform a variety of procedures inside a patient.

A. CLASSIFICATION OF SUBJECT MATTER*A61B 17/34(2006.01)i, A61B 17/32(2006.01)i, A61M 5/00(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)

IPC: A61B

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) & keywords: TOOTH, TISSUE, ENGAGE and HOOK

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2008-0214889 A1 (VAHID SAADAT et al.) 4 September 2008 (2008-09-04) See abstract, paragraphs [0055] - [0108] and figures 1 - 27	1 - 10
A	US 2001-0051815 A1 (VERMON S. ESPLIN) 13 December 2001 (2001-12-13) See abstract, paragraphs [0052] - [0086] and figures 1 - 22	1 - 10
A	US 5098435 A (DENIS P. STEDNITZ; MICHAEL G. STEDNITZ) 24 March 1992 (1992-03-24) See abstract, column 5, line 67 - column 12, line 8 and figures 1 - 13	1 - 10



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

26 JULY 2010 (26.07.2010)

Date of mailing of the international search report

26 JULY 2010 (26.07.2010)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/065633**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.: 11
because they relate to subject matter not required to be searched by this Authority, namely:
Claim 11 pertains to methods for treatment of human body by therapy, as well as diagnostic methods and thus relates to a subject matter which this International Searching Authority is not required, under Article 17(2)(a)(i) of 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/US2009/065633

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2008-0214889 A1	04.09.2008	None	
US 2001-0051815 A1	13.12.2001	AU 2001-247535 A8 AU 2001-47535 A1 AU 4753501 A US 2004-0254609 A1 US 6712830 B2 WO 01-67944 A2 WO 01-67944 A3	24.09.2001 24.09.2001 24.09.2001 16.12.2004 30.03.2004 20.09.2001 20.09.2001
US 5098435 A	24.03.1992	WO 92-09237 A1	11.06.1992