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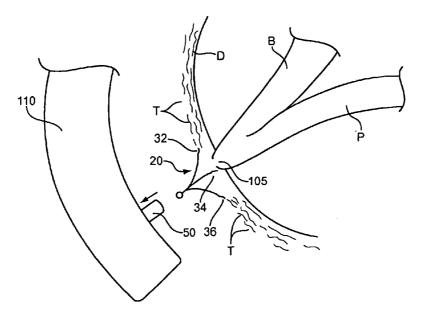
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(54) Title: PAPILLA SPREADER



(57) Abstract: The present invention provides apparatus and methods for facilitating, entry through a bodily opening (105) comprising a spreader (20) having a plurality of arms, each of the arms being formed of a resilient material and shaped so that the distal ends tend to be spaced apart from each other when the spreader is in an open position. At least one Of the arms has an engaging member having a sharpness adapted to grasp tissue. When the spreader is radially deployed to the open position the engaging member (32, 34, 36) grasps tissue adjacent the bodily opening and urges the tissue away from the opening to facilitate visualization of the opening and/or access into the opening. A catheter (50) or other device may subsequently be inserted between one or more arms of the spreader and through the bodily opening while the spreader holds the tissue in a spread position.



INTERNATIONAL SEARCH REPORT

International application No PCT/US2007/015803

Relevant to claim No.

A. CLASSIFICATION OF SUBJECT MATTER INV. A61M29/00 A61B17/02

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

B. FIELDS SEARCHED

Category*

Minimum documentation searched (classification system followed by classification symbols)

A61M A61B A61F

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 practical, search terms used)

Citation of document, with indication, where appropriate, of the relevant passages

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

X A	DE 199 55 614 C1 (KARLSRUHE FORS [DE]) 26 July 2001 (2001-07-26) column 2, lines 3-11 column 2, lines 48-52 column 3, lines 34-41; figures	CHZENT	1,4,6,9 3,17-19
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* Special consid *A' docume consid *E' earlier of filling d *L' docume which in citation *O' docume other n *P' docume later the	national filing date he application but ory underlying the aimed invention be considered to ument is taken alone aimed invention entive step when the re other such docu- s to a person skilled		
2.	actual completion of the international search 1 February 2008 nailing address of the ISA/ European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Date of mailing of the international search 07/03/2008 Authorized officer Merté, Birgit	ch report

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/015803

C(Continua	ion). DOCUMENTS CONSIDERED TO BE RELEVANT	PCT/US200	
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	US 4 909 789 A (TAGUCHI AKIHIRO [JP] ET AL) 20 March 1990 (1990-03-20) column 1, line 63 - column 2, line 5; figures 1,2,5,12		1,4,6, 18,19
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			,

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 10-16

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by

A method for facilitating entry through a bodily opening is exclusively described in detail in the context of gallstone removal which necessitates access to a deep body cavity and hence must be considered as treatment by surgery.

International application No. PCT/US2007/015803

INTERNATIONAL SEARCH REPORT

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. X Claims Nos.: 10-16 because they relate to subject matter not required to be searched by this Authority, namely: see FURTHER INFORMATION sheet PCT/ISA/210
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:
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 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 reportcovers 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/US2007/015803

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