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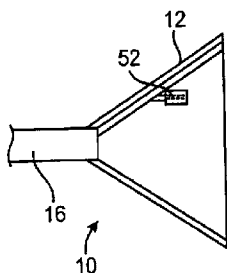
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(54) Title: TISSUE VISUALIZATION AND MANIPULATION SYSTEMS



(57) Abstract: Tissue visualization and manipulation systems are described herein. Such a system may include a deployment catheter and an attached imaging hood deployable into an expanded configuration. In use, the imaging hood is placed against or adjacent to a region of tissue to be imaged in a body lumen that is normally filled with an opaque bodily fluid such as blood. A translucent or transparent fluid, such as saline, can be pumped into the imaging hood until the fluid displaces any blood, thereby leaving a clear region of tissue to be imaged via an imaging element in the deployment catheter. Additionally, any number of therapeutic tools can also be passed through the deployment catheter and into the imaging hood for treating the tissue region of interest.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC(8) - A61B 1/04 (2007.10)
 USPC - 600/109
 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 1/00, A61B 1/04, A61B 1/06, A61B 1/32 (2007.10)
 USPC - 600/109, 600/116, 600/466, 600/470, 606/15

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)
 MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 2004/0097788 A1 (MOURLAS et al) 20 May 2004 (20.05.2004) entire document	1-9, 12-22, 26-50 ----- 10-11, 23-25
Y	US 6,047,218 A (WHAYNE et al) 04 April 2000 (04.04.2000) entire document	10-11, 23, 25
Y	US 6,004,269 A (CROWLEY et al) 21 December 1999 (21.12.1999) entire document	24

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