

Title (en)  
TISSUE VISUALIZATION AND MANIPULATION SYSTEMS

Title (de)  
SYSTEME ZUR GEWEBE-VISUALISIERUNG UND -BEHANDLUNG

Title (fr)  
SYSTÈMES DE VISUALISATION ET MANIPULATION DE TISSUS

Publication  
**EP 1996065 A4 20110330 (EN)**

Application  
**EP 07758716 A 20070316**

Priority  
• US 2007064195 W 20070316  
• US 78349406 P 20060317

Abstract (en)  
[origin: WO2007109554A2] 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.

IPC 8 full level  
**A61B 1/04** (2006.01)

CPC (source: EP US)  
**A61B 1/0008** (2013.01 - EP US); **A61B 1/00082** (2013.01 - EP); **A61B 1/00085** (2013.01 - EP); **A61B 1/00089** (2013.01 - EP);  
**A61B 1/005** (2013.01 - EP US); **A61B 1/015** (2013.01 - EP); **A61B 1/018** (2013.01 - EP); **A61B 1/04** (2013.01 - EP US);  
**A61B 5/02007** (2013.01 - EP); **A61B 8/12** (2013.01 - EP); **A61B 2017/3447** (2013.01 - EP)

Citation (search report)  
• [XYI] US 4976710 A 19901211 - MACKIN ROBERT A [US]  
• [XYI] US 2005119523 A1 20050602 - STARKSEN NIEL F [US], et al  
• [XP] WO 2006083794 A2 20060810 - NIDUS MEDICAL LLC [US], et al  
• See references of WO 2007109554A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2007109554 A2 20070927; WO 2007109554 A3 20080306**; EP 1996065 A2 20081203; EP 1996065 A4 20110330;  
JP 2009531081 A 20090903; JP 4828633 B2 20111130

DOCDB simple family (application)  
**US 2007064195 W 20070316**; EP 07758716 A 20070316; JP 2009500630 A 20070316