

Title (en)

VISUALIZATION APPARATUS AND METHODS FOR TRANSSEPTAL ACCESS

Title (de)

VISUALISIERUNGSVORRICHTUNG UND -VERFAHREN FÜR TRANSSEPTALEN ZUGRIFF

Title (fr)

APPAREIL DE VISUALISATION ET PROCÉDÉS POUR L'ACCÈS À TRAVERS LA PAROI SEPTALE

Publication

EP 2034896 A4 20101222 (EN)

Application

EP 07812146 A 20070614

Priority

- US 2007071226 W 20070614
- US 80480106 P 20060614
- US 80692406 P 20060710
- US 80692606 P 20060710
- US 56074206 A 20061116
- US 87141506 P 20061221
- US 87142406 P 20061221
- US 88824207 P 20070205

Abstract (en)

[origin: WO2007147060A2] Visualization apparatus and methods for transseptal access are described herein where intravascular access across a septal wall is facilitated via devices which provide for direct visual viewing of tissue area. 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 the 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 can be pumped into the imaging hood until the fluid displaces any blood leaving a clear region of tissue to be imaged via an imaging element in the deployment catheter. Any number of therapeutic tools or a guidewire can be passed through the catheter and into the imaging hood for crossing the septal wall and passing the guidewire or instruments therethrough.

IPC 8 full level

A61B 1/005 (2006.01); **A61B 1/015** (2006.01); **A61B 1/018** (2006.01); **A61B 1/04** (2006.01); **A61B 5/00** (2006.01); **A61B 5/02** (2006.01); **A61B 6/00** (2006.01); **A61M 5/00** (2006.01); **A61M 5/178** (2006.01); **A61M 25/00** (2006.01); **A61M 31/00** (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 8/4472** (2013.01 - EP)

Citation (search report)

- [X] WO 03101287 A2 20031211 - UNIV LELAND STANFORD JUNIOR [US]
- [X] US 2005197530 A1 20050908 - WALLACE DANIEL T [US], et al
- [X] WO 9818388 A1 19980507 - EP TECHNOLOGIES [US]
- [X] WO 2005081202 A1 20050901 - ACUMEN MEDICAL INC [US], et al
- [X] EP 0283661 A2 19880928 - MACKIN ROBERT A
- See references of WO 2007147060A2

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 2007147060 A2 20071221; **WO 2007147060 A3 20081113**; EP 2034896 A2 20090318; EP 2034896 A4 20101222; JP 2009539575 A 20091119

DOCDB simple family (application)

US 2007071226 W 20070614; EP 07812146 A 20070614; JP 2009515646 A 20070614