

Title (en)

METHODS, SYSTEMS AND APPARATUSES FOR PERFORMING MINIMALLY INVASIVE SPINAL PROCEDURES

Title (de)

VERFAHREN, SYSTEME UND GERÄT ZUR DURCHFÜHRUNG VON MINIMALINVASIVEN WIRBELSÄULENVERFAHREN

Title (fr)

PROCEDES, SYSTEMES ET APPAREILS PERMETTANT DE REALISER DES OPERATIONS DE LA COLONNE VERTEBRALE TRES PEU INVASIVES

Publication

EP 1691668 A2 20060823 (EN)

Application

EP 04794435 A 20041004

Priority

- US 2004033088 W 20041004
- US 50878403 P 20031002
- US 69381503 A 20031024
- US 69325003 A 20031024
- US 69366303 A 20031024
- US 84265104 A 20040510

Abstract (en)

[origin: WO2005032358A2] In one embodiment, a surgical access device 5304a comprising a passage and a distal portion 5324 may be used to perform a surgical procedure. The access device 5304a may be actuatable between a first configuration wherein the passage has a first cross-sectional area at the distal portion 5324 suitable for insertion into the patient and a second configuration wherein the passage has an enlarged cross-sectional area at said distal portion 5324. The access device 5304a may further be capable of providing access to a surgical location A. The passage is preferably capable of having an instrument 5376 or implant 5378 inserted therethrough to the surgical location A.

IPC 8 full level

A61B 1/313 (2006.01); **A61B 17/32** (2006.01); **A61B 17/34** (2006.01); **A61B 17/70** (2006.01); **A61B 17/88** (2006.01); **A61F 2/44** (2006.01);
A61F 2/46 (2006.01); A61B 17/00 (2006.01); A61B 17/16 (2006.01); A61B 17/86 (2006.01); A61B 19/00 (2006.01); **A61F 2/08** (2006.01);
A61M 1/00 (2006.01)

CPC (source: EP)

A61B 1/3135 (2013.01); **A61B 17/0293** (2013.01); **A61B 17/32002** (2013.01); **A61B 17/3421** (2013.01); **A61B 17/3439** (2013.01);
A61B 17/7007 (2013.01); **A61B 17/7023** (2013.01); **A61B 17/7037** (2013.01); **A61B 17/7064** (2013.01); **A61B 17/8816** (2013.01);
A61F 2/4611 (2013.01); A61B 17/1617 (2013.01); A61B 17/1626 (2013.01); A61B 17/1631 (2013.01); A61B 17/1644 (2013.01);
A61B 17/1671 (2013.01); A61B 17/3468 (2013.01); A61B 17/7022 (2013.01); A61B 17/7025 (2013.01); A61B 17/7031 (2013.01);
A61B 17/7032 (2013.01); A61B 17/7044 (2013.01); A61B 17/7059 (2013.01); A61B 17/7062 (2013.01); A61B 17/7097 (2013.01);
A61B 17/861 (2013.01); A61B 17/8875 (2013.01); A61B 90/361 (2016.02); A61B 90/50 (2016.02); A61B 2017/00261 (2013.01);
A61B 2017/320032 (2013.01); A61B 2017/3445 (2013.01); A61B 2090/306 (2016.02); A61B 2217/005 (2013.01); A61B 2217/007 (2013.01);
A61F 2/08 (2013.01)

Citation (search report)

See references of WO 2005032358A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005032358 A2 20050414; WO 2005032358 A3 20050721; EP 1691668 A2 20060823

DOCDB simple family (application)

US 2004033088 W 20041004; EP 04794435 A 20041004