

Title (en)

PATIENT-MATCHED APPARATUS AND METHODS FOR PERFORMING SURGICAL PROCEDURES

Title (de)

PATIENTENABGESTIMMTE VORRICHTUNG UND VERFAHREN ZUR DURCHFÜHRUNG VON CHIRURGISCHEN EINGRIFFEN

Title (fr)

APPAREIL DE MISE EN CORRESPONDANCE DE PATIENTS ET PROCÉDÉS D'EXÉCUTION DE PROCÉDURES CHIRURGICALES

Publication

EP 3361959 A1 20180822 (EN)

Application

EP 16856238 A 20161014

Priority

- US 201514883299 A 20151014
- US 201662287134 P 20160126
- US 201662362440 P 20160714
- US 201662373855 P 20160811
- US 2016056970 W 20161014

Abstract (en)

[origin: CA3001898A1] A system and method for developing customized apparatus for use in one or more surgical procedures is disclosed. The system and method incorporates a patient's unique anatomical features or morphology, which may be derived from capturing MRI data or CT data, to fabricate at least one custom apparatus. According to a preferred embodiment, the customized apparatus comprises a plurality of complementary surfaces based on a plurality of data points from the MRI or CT data. Thus, each apparatus may be matched in duplicate and oriented around the patient's own anatomy, and may further provide any desired axial alignments or insertional trajectories. In an alternate embodiment, the apparatus may further be aligned and/or matched with at least one other apparatus used during the surgical procedure.

IPC 8 full level

A61B 17/00 (2006.01); **A61B 17/17** (2006.01); **A61B 17/56** (2006.01); **A61B 17/70** (2006.01); **A61B 17/88** (2006.01); **A61F 2/00** (2006.01); **A61F 2/44** (2006.01)

CPC (source: EP KR US)

A61B 17/15 (2013.01 - EP); **A61B 17/151** (2013.01 - EP); **A61B 17/1671** (2013.01 - EP KR); **A61B 17/17** (2013.01 - US); **A61B 17/1703** (2013.01 - KR US); **A61B 17/1732** (2013.01 - KR US); **A61B 17/1757** (2013.01 - EP KR); **A61B 17/70** (2013.01 - EP); **A61B 17/7013** (2013.01 - EP); **A61B 17/7032** (2013.01 - EP); **A61B 17/7043** (2013.01 - EP); **A61B 17/7047** (2013.01 - EP); **A61B 17/7067** (2013.01 - EP KR); **A61B 17/7074** (2013.01 - EP KR); **A61B 17/8625** (2013.01 - EP); **A61B 17/866** (2013.01 - EP); **A61B 17/8685** (2013.01 - EP); **A61B 17/88** (2013.01 - EP); **A61B 17/8863** (2013.01 - EP KR); **A61B 34/10** (2016.02 - EP KR); **A61B 50/20** (2016.02 - EP); **A61B 50/33** (2016.02 - EP); **A61F 2/44** (2013.01 - EP); **A61F 2/4611** (2013.01 - EP KR); **G09B 23/30** (2013.01 - EP); **A61B 34/20** (2016.02 - EP); **A61B 2017/00526** (2013.01 - EP); **A61B 2017/0256** (2013.01 - EP); **A61B 2017/3447** (2013.01 - EP); **A61B 2017/568** (2013.01 - EP); **A61B 2034/102** (2016.02 - EP); **A61B 2034/105** (2016.02 - EP); **A61B 2034/107** (2016.02 - EP); **A61B 2034/108** (2016.02 - EP KR); **A61B 2090/033** (2016.02 - EP); **A61B 2090/061** (2016.02 - EP); **A61B 2090/067** (2016.02 - EP); **A61F 2/30965** (2013.01 - EP); **A61F 2/4405** (2013.01 - EP); **A61F 2002/30948** (2013.01 - EP); **A61F 2002/30952** (2013.01 - EP); **A61F 2002/4687** (2013.01 - EP KR); **A61F 2310/00017** (2013.01 - EP); **A61F 2310/00023** (2013.01 - EP); **A61F 2310/00029** (2013.01 - EP); **A61F 2310/00047** (2013.01 - EP); **A61F 2310/00059** (2013.01 - EP)

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CN114082983A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

AU 2016338436 A1 20180510; AU 2016338436 A2 20180524; AU 2016338436 B2 20210930; BR 112018007443 A2 20181023; CA 3001898 A1 20170420; CA 3001898 C 20210518; CN 108366791 A 20180803; EP 3361959 A1 20180822; EP 3361959 A4 20190619; JP 2018532498 A 20181108; KR 102638410 B1 20240219; KR 20180077182 A 20180706; MX 2018004479 A 20190710

DOCDB simple family (application)

AU 2016338436 A 20161014; BR 112018007443 A 20161014; CA 3001898 A 20161014; CN 201680070958 A 20161014; EP 16856238 A 20161014; JP 2018519856 A 20161014; KR 20187013340 A 20161014; MX 2018004479 A 20161014