

Title (en)

HANDHELD TRACKING SYSTEMS AND DEVICES FOR ALIGNING IMPLANT SYSTEMS DURING SURGERY

Title (de)

TRAGBARE VERFOLGUNGSSYSTEME UND VORRICHTUNGEN ZUM AUSRICHTEN VON IMPLANTATSYSTEMEN WÄHREND EINER OPERATION

Title (fr)

SYSTÈMES DE TRAÇAGE MANUELS ET DISPOSITIFS D'ALIGNEMENT DE SYSTÈMES D'IMPLANT DURANT UNE CHIRURGIE

Publication

EP 2844180 A4 20151021 (EN)

Application

EP 13784876 A 20130501

Priority

- IN 1345DE2012 A 20120502
- IB 2013053441 W 20130501

Abstract (en)

[origin: WO2013164770A2] The present invention discloses handheld tracking systems and devices comprising of at least one handheld tracking device for intra-operative aligning or positioning of surgical implant systems and instruments with reference to the anatomy of a patient. The handheld tracking system further comprises of at least one trackable element. The handheld device is mounted at the proposed implantation site using the holding means while trackable element(s) is/are mounted at predetermined location(s) such that data from said deployed trackable element(s) relating to the position of the patient and the surgical instruments are input continuously into the handheld devices. The handheld device then processes the data on the basis of pre-loaded preoperative scanned images in the processing means to monitor the accurate placement of said implant system onsite in sterile environment.

IPC 8 full level

A61B 19/00 (2006.01)

CPC (source: CN EP)

A61B 34/20 (2016.02 - EP); **A61B 17/1666** (2013.01 - CN EP); **A61B 2017/00221** (2013.01 - EP); **A61B 2034/2057** (2016.02 - EP); **A61B 2034/2065** (2016.02 - EP)

Citation (search report)

- [XYI] WO 2011020505 A1 20110224 - BRAINLAB AG [DE], et al
- [XI] EP 2153794 A2 20100217 - STRYKER LEIBINGER GMBH & CO KG [DE]
- [XP] WO 2012171555 A1 20121220 - BRAINLAB AG [DE], et al
- [Y] US 2010100081 A1 20100422 - TUMA GREGOR [DE], et al
- See references of WO 2013164770A2

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

DOCDB simple family (publication)

WO 2013164770 A2 20131107; WO 2013164770 A3 20140123; AU 2013255438 A1 20141120; CA 2871997 A1 20131107; CN 104271068 A 20150107; EP 2844180 A2 20150311; EP 2844180 A4 20151021; IN 1345DE2012 A 20150807; JP 2015516228 A 20150611; KR 20150014442 A 20150206

DOCDB simple family (application)

IB 2013053441 W 20130501; AU 2013255438 A 20130501; CA 2871997 A 20130501; CN 201380022907 A 20130501; EP 13784876 A 20130501; IN 1345DE2012 A 20120502; JP 2015509547 A 20130501; KR 20147031020 A 20130501