

Title (en)
SYSTEMS, METHODS, AND DEVICES FOR INSTRUMENT GUIDANCE

Title (de)
SYSTEME, VERFAHREN UND VORRICHTUNGEN ZUR INSTRUMENTENFÜHRUNG

Title (fr)
SYSTÈMES, PROCÉDÉS ET DISPOSITIFS POUR GUIDAGE D'INSTRUMENT

Publication
EP 3989850 A4 20230705 (EN)

Application
EP 20832232 A 20200626

Priority

- US 201962866950 P 20190626
- US 202016810569 A 20200305
- US 202016816363 A 20200312
- US 2020039938 W 20200626

Abstract (en)
[origin: WO2020264383A1] A system for instrument guidance is disclosed. The system can include an instrument guide device and a transducer system. The instrument guide device can include an instrument guide and an instrument guide bracket that includes a magnet, and the instrument guide bracket can be removably attachable to the instrument guide. The transducer system can include an ultrasound probe bracket that is removably attachable to an ultrasound probe. Further, the instrument guide device can removably attach to the ultrasound probe bracket. The ultrasound probe bracket can further include a first sensor and second sensor. The first sensor can wirelessly track a position of the magnet to determine position data of the instrument guidance system. And the second sensor can provide power or disengage power to the instrument guidance device when the instrument guide is attached or detached, respectively.

IPC 8 full level
A61B 17/34 (2006.01); **A61B 8/08** (2006.01); **A61B 34/20** (2016.01)

CPC (source: EP)
A61B 8/0841 (2013.01); **A61B 8/4444** (2013.01); **A61B 17/3403** (2013.01); **A61B 2017/3413** (2013.01); **A61B 2034/2051** (2016.02); **A61B 2034/2059** (2016.02)

Citation (search report)

- [XAY] US 2007073155 A1 20070329 - PARK ROBERT [US], et al
- [XAYI] US 2015245809 A1 20150903 - HAGY M DEXTER [US], et al
- [X] WO 2017120477 A1 20170713 - BOSTON SCIENT SCIMED INC [US]
- [X] US 2011295108 A1 20111201 - COX JEREMY B [US], et al
- [XA] US 2007038113 A1 20070215 - OONUKI YUTAKA [JP], et al
- [Y] US 2017035385 A1 20170209 - SASADY NIELS-CHRISTIAN [DK], et al
- [Y] US 2007049822 A1 20070301 - BUNCE STEVEN M [US], et al
- [A] US 4635644 A 19870113 - YAGATA YUKIHIRO [JP]
- See references of WO 2020264383A1

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 2020264383 A1 20201230; AU 2020304669 A1 20220106; CA 3139694 A1 20201230; EP 3989850 A1 20220504; EP 3989850 A4 20230705; JP 2022538126 A 20220831

DOCDB simple family (application)
US 2020039938 W 20200626; AU 2020304669 A 20200626; CA 3139694 A 20200626; EP 20832232 A 20200626; JP 2021576834 A 20200626