

Title (en)

METHOD OF IDENTIFYING THE GEOMETRIC PARAMETERS OF AN ARTICULATED STRUCTURE AND OF A SET OF REFERENCE FRAMES OF INTEREST DISPOSED ON SAID STRUCTURE

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG DER GEOMETRISCHEN PARAMETER EINER GELENKSTRUKTUR UND SET AUS BESTIMMTEN, AUF DIESER STRUKTUR ANGEORDNETEN REFERENZBILDERN

Title (fr)

PROCEDE D'IDENTIFICATION DES PARAMETRES GEOMETRIQUES D'UNE STRUCTURE ARTICULEE ET D'UN ENSEMBLE DE REPERES D'INTERET DISPOSES SUR LADITE STRUCTURE

Publication

EP 2822462 A1 20150114 (FR)

Application

EP 13707661 A 20130307

Priority

- FR 1252101 A 20120308
- EP 2013054563 W 20130307

Abstract (en)

[origin: WO2013131990A1] The present invention relates to a method of identifying the geometric parameters of devices each comprising at least one accelerometer, each platform being disposed on a segment of an articulated body. Said method comprises steps of evaluating values of parameters characterizing the orientation and the position of each sensor in the reference frame of each segment and of the length of each segment, in a reference frame of said segment, by using predetermined configurations and movements of the structure. The method of the invention makes it possible to provide a device for capturing the movements of said body with measurements which allows greater reliability of said measurements.

IPC 8 full level

A61B 5/11 (2006.01)

CPC (source: EP US)

A61B 5/1116 (2013.01 - EP US); **A61B 5/1122** (2013.01 - EP US); **A61B 5/1126** (2013.01 - EP US); **G01B 21/00** (2013.01 - US); **G01P 15/00** (2013.01 - US); **G06F 3/011** (2013.01 - EP US); **A61B 2562/0219** (2013.01 - EP US); **F04C 2270/041** (2013.01 - EP US)

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)

WO 2013131990 A1 20130912; EP 2822462 A1 20150114; FR 2987735 A1 20130913; FR 2987735 B1 20140411; US 10386179 B2 20190820; US 2015057971 A1 20150226

DOCDB simple family (application)

EP 2013054563 W 20130307; EP 13707661 A 20130307; FR 1252101 A 20120308; US 201314391645 A 20130307