

Title (en)

SYSTEM AND METHODS FOR MONITORING PHYSICAL THERAPY AND REHABILITATION OF JOINTS

Title (de)

SYSTEM UND VERFAHREN ZUR ÜBERWACHUNG DER PHYSIOTHERAPIE UND REHABILITATION VON GELENKEN

Title (fr)

SYSTÈME ET PROCÉDÉS DE SURVEILLANCE DE PHYSIOTHÉRAPIE ET DE RÉÉDUCATION DES ARTICULATIONS

Publication

EP 3576610 A1 20191211 (EN)

Application

EP 18747374 A 20180201

Priority

- US 201715422299 A 20170201
- US 2018016417 W 20180201

Abstract (en)

[origin: WO2018144712A1] A system for monitoring a patient includes a sensor unit having a housing and sensors disposed in or around the housing; and a base having a shell and configured and arranged to be adhesively attached to skin of the patient. The sensors can be used to monitor physical therapy and rehabilitation of the patient. The sensor unit can provide information to a patient or clinician device to facilitate the monitoring. The sensor data can be used to determine measurements such as tilt angle of the sensor unit and range of motion measurements (such as extension, flexion, or forces associated with movement) of the anatomical region to which the sensor unit is attached. The sensor data can also be used for automated identification or classification of exercises performed by the patient.

IPC 8 full level

A61B 5/00 (2006.01); **A61B 5/103** (2006.01); **A61B 5/107** (2006.01); **A61B 5/11** (2006.01)

CPC (source: EP)

A61B 1/00016 (2013.01); **A61B 5/0031** (2013.01); **A61B 5/076** (2013.01); **A61B 5/08** (2013.01); **A61B 5/1071** (2013.01); **A61B 5/1114** (2013.01); **A61B 5/1121** (2013.01); **A61B 5/1126** (2013.01); **A61B 5/224** (2013.01); **A61B 5/4528** (2013.01); **A61B 5/4538** (2013.01); **A61B 5/4585** (2013.01); **A61B 5/4833** (2013.01); **A61B 5/6898** (2013.01); **G01C 21/12** (2013.01); **G01C 22/006** (2013.01); **G06F 1/1694** (2013.01); **A61B 5/0022** (2013.01); **A61B 5/01** (2013.01); **A61B 5/02055** (2013.01); **A61B 5/024** (2013.01); **A61B 5/112** (2013.01); **A61B 5/4851** (2013.01); **A61B 5/6832** (2013.01); **A61B 5/6833** (2013.01); **A61B 5/686** (2013.01); **A61B 5/6878** (2013.01); **A61B 5/742** (2013.01); **A61B 2034/2048** (2016.02); **A61B 2505/09** (2013.01); **A61B 2560/0425** (2013.01); **A61B 2560/0443** (2013.01); **A61B 2562/0219** (2013.01); **A61B 2562/0223** (2013.01); **A61B 2562/0247** (2013.01)

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 2018144712 A1 20180809; AU 2018216893 A1 20190919; AU 2018216893 B2 20230720; CN 110612055 A 20191224; EP 3576610 A1 20191211; EP 3576610 A4 20210414; JP 2020507382 A 20200312

DOCDB simple family (application)

US 2018016417 W 20180201; AU 2018216893 A 20180201; CN 201880023710 A 20180201; EP 18747374 A 20180201; JP 2019541740 A 20180201