

Title (en)

SPACIAL AND TEMPORAL VECTOR ANALYSIS IN WEARABLE DEVICES USING SENSOR DATA

Title (de)

ANALYSE RÄUMLICHER UND ZEITLICHER VEKTOREN IN TRAGBAREN VORRICHTUNGEN UNTER VERWENDUNG VON SENSORDATEN

Title (fr)

ANALYSE VECTORIELLE SPATIALE ET TEMPORELLE DANS DES DISPOSITIFS APTES À ÊTRE PORTÉS UTILISANT DES DONNÉES DE CAPTEUR

Publication

EP 2717761 A1 20140416 (EN)

Application

EP 12797402 A 20120611

Priority

- US 201113158372 A 20110610
- US 201161495994 P 20110611
- US 201161495997 P 20110611
- US 201161495996 P 20110611
- US 201161495995 P 20110611
- US 201113158416 A 20110611
- US 201113180000 A 20110711
- US 201113180320 A 20110711
- US 201161572206 P 20110712
- US 201161572204 P 20110712
- US 201213492776 A 20120608
- US 2012041959 W 20120611

Abstract (en)

[origin: WO2012171033A1] Spatial and temporal vector analysis in wearable devices using sensor data are described, including evaluating a motion to determine motion signals, the motion being evaluated using data provided by one or more sensors in data communication with a wearable device, isolating motion signals into one or more motion sub-signals, determining a spatial vector and a temporal vector associated with each of the one or more motion sub-signals, and transforming the spatial vector and the temporal vector into a data structure to be used by an application configured to analyze the data structure and to generate content associated with the motion.

IPC 8 full level

A61B 5/0205 (2006.01); **G16H 20/30** (2018.01); **G16H 40/67** (2018.01)

CPC (source: EP US)

A61B 5/0002 (2013.01 - EP); **A61B 5/11** (2013.01 - EP); **A61B 5/165** (2013.01 - EP); **A61B 5/18** (2013.01 - EP); **A61B 5/6831** (2013.01 - EP US); **G16H 20/30** (2017.12 - EP US); **G16H 40/67** (2017.12 - EP US); **A61B 5/02438** (2013.01 - EP); **A61B 5/0533** (2013.01 - EP); **A61B 5/0816** (2013.01 - EP); **A61B 5/112** (2013.01 - EP); **A61B 5/4809** (2013.01 - EP); **A61B 2503/10** (2013.01 - EP); **A61B 2503/12** (2013.01 - EP); **A61B 2503/22** (2013.01 - EP); **A61B 2562/0219** (2013.01 - EP)

Citation (search report)

See references of WO 2012171033A1

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 2012171033 A1 20121213; AU 2012267460 A1 20130411; CA 2814834 A1 20121213; CN 204072067 U 20150107; EP 2717761 A1 20140416

DOCDB simple family (application)

US 2012041959 W 20120611; AU 2012267460 A 20120611; CA 2814834 A 20120611; CN 201290000598 U 20120611; EP 12797402 A 20120611