

Title (en)

VERSATILE SENSORS WITH DATA FUSION FUNCTIONALITY

Title (de)

VIELSEITIGE SENSOREN MIT DATENFUSIONSFUNKTIONALITÄT

Title (fr)

CAPTEURS VERSATILES AVEC FONCTIONNALITÉ DE FUSION DE DONNÉES

Publication

EP 2967471 A4 20161116 (EN)

Application

EP 14769534 A 20140310

Priority

- US 201313840098 A 20130315
- US 201414184042 A 20140219
- US 2014022624 W 20140310

Abstract (en)

[origin: WO2014150221A1] Apparatuses and methods are disclosed for identifying with a single, small, intelligent activity monitor a particular type of activity from among a plurality of different activities. The monitor may include a multi-axis accelerometer and microcontroller configured to combine and process accelerometer data so as to generate features representative of an activity. The features may be processed to identify a particular activity (e.g., running, biking, swimming) from among a plurality of different activities that may include activities not performed by a human subject. An intelligent activity monitor may be configured to operate as a versatile sensor, or to operate in combination with a versatile sensor, to further receive and process physiological data and compute a fitness metric for a subject.

IPC 8 full level

A61B 5/22 (2006.01); **A61B 6/00** (2006.01); **G06F 19/00** (2011.01); **G16H 20/30** (2018.01); **G16H 40/63** (2018.01)

CPC (source: EP US)

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Citation (search report)

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DOCDB simple family (application)

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