

Title (en)

SYSTEMS AND METHODS FOR TRACKING MOTION, PERFORMANCE, AND OTHER DATA FOR A BICYCLE, OTHER VEHICLE, AND/OR AN INDIVIDUAL SUCH AS A WINTER SPORTS ATHLETE

Title (de)

SYSTEME UND VERFAHREN ZUR VERFOLGUNG DER BEWEGUNG, LEISTUNG, UND ANDERER DATEN FÜR EIN FAHRRAD, ANDERE FAHRZEUGE UND/ODER EINE PERSON, WIE ETWA EIN WINTERSPORTLER

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR SUIVI D'UN MOUVEMENT, DE LA PERFORMANCE, ET D'AUTRES DONNÉES POUR UNE BICYCLETTE, UN AUTRE VÉHICULE, ET/OU UN INDIVIDU TEL QU'UN ATHLÈTE DE SPORTS D'HIVER

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Abstract (en)

[origin: WO2016123511A1] A vehicle tracking system, in various embodiments, is configured to measure vehicle speed, heading, distance travelled, acceleration, and other motion related measurements based at least in part on magnetic field measurements taken by one or more magnetometers. In a particular embodiment, the system comprises one or more magnetometers (e.g., that may be embedded in one or more wearable devices, such as eyewear) and at least one magnet disposed on a portion of the vehicle such as the vehicle's wheel. The system is configured to receive magnetic field information associated with the at least one magnet using the one or more magnetometers and determine the speed and other data based at least in part on the magnetic field information. In various embodiments, the system is configured to track movement and speed of a bicycle.

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