

Title (en)

A UNIVERSAL TIRE PRESSURE MONITORING SYSTEM AND WIRELESS RECEIVER

Title (de)

UNIVERSELLES REIFENDRUCK-ÜBERWACHUNGSSYSTEM UND DRAHTLOSER EMPFÄNGER

Title (fr)

SYSTEME UNIVERSEL DE SURVEILLANCE DE LA PRESSION D'UN PNEU ET RECEPTEUR SANS FIL

Publication

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Application

EP 05748696 A 20050525

Priority

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- US 57384004 P 20040525

Abstract (en)

[origin: WO2005116603A1] The present invention provides a universal receiver (OTR) device which functions within a vehicle in the "under-the-hood" (UTH) environment such that various types of tire pressure management system (TPMS) device, located within, upon or near a vehicle's tires can transmit tire information, such as the transmitter identification number (TIN), the tire unique identifier (TUID), the vehicle identification number (VIN), tire pressure, tire temperature, tire rotation, and other tire relevant data, to the OTR for further processing regardless of frequency, data transfer speed, or data format of the TPMS device. The OTR device in sequence: identifies the TPMS device, receives the tire information from the TPMS device, and processes the tire information into data records for efficient and optimized transmission of such data records for future analysis both within and off a vehicle. The OTR also interfaces with various types of telematics devices, regardless of the type of transmission or protocol used, by identifying the type of telematics device. The OTR also stores or retrieves information related to various telematics and TPMS devices in order to identify these devices. For example, an automotive manufacturer, dealership, or tire distributor would be able to select various manufacturers' TPMS and telematics devices for installation within the vehicle and with the OTR collect previously captured TPMS data for further analysis.

IPC 8 full level

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