

Title (en)

DETERMINATION OF WHEEL SENSOR POSITION USING SHOCK SENSORS AND A WIRELESS SOLUTION

Title (de)

BESTIMMUNG DER RADSSENSORPOSITION DURCH VERWENDUNG VON STOSSSENSOREN UND DRAHTLOSE LÖSUNG

Title (fr)

DETERMINATION DE LA POSITION D'UN CAPTEUR DE ROUE AU MOYEN DE CAPTEURS DE CHOCS ET SOLUTION SANS FIL

Publication

EP 1716008 A2 20061102 (EN)

Application

EP 05711912 A 20050119

Priority

- US 2005002189 W 20050119
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- US 76177204 A 20040120

Abstract (en)

[origin: WO2005069993A2] A remote tire monitor system (102) includes a control unit (112) and a plurality of tire monitors (124, 126, 128, 130) mountable on respective wheels (104, 106, 108, 110) of a vehicle (100) to transmit radio signals to the control unit. The tire monitors each include a pair of motion sensors such as shock sensors (210, 212) and a control circuit (202) configured to determine position information for the respective tire monitor based on first and second shock sensor signals from the pair of shock sensors. The shock sensors produce an output voltage proportional to a change in applied force. Therefore, the offset created by centrifugal force in previously used accelerometers is absent, simplifying design of the tire monitors.

IPC 8 full level

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