

Title (en)  
SENSOR ARRANGEMENT AND METHOD FOR EASY INSTALLATION INTO A VEHICLE

Title (de)  
SENSORANORDNUNG UND VERFAHREN ZUM EINFACHEN EINBAU IN EIN FAHRZEUG

Title (fr)  
SYSTÈME DE CAPTEUR ET PROCÉDÉ DE MONTAGE SIMPLE DANS UN VÉHICULE

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Application  
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Abstract (en)  
[origin: WO2010043537A1] The invention relates to a method for installing a sensor arrangement into a vehicle having a vehicle chassis, wherein the vehicle chassis is in a defined position during the installation and the sensor arrangement is fastened directly or indirectly to the vehicle chassis, wherein the sensor arrangement comprises one or more acceleration sensors (1) having three linearly independent measuring directions and the sensor arrangement comprises an electronic control unit (3) which is designed in such a way that said electronic control unit has a sensor calibration mode, wherein after the sensor arrangement is fastened, the at least one acceleration sensor measures the gravitational acceleration, whereupon in the sensor calibration mode the electronic control unit calculates and stores one or more relative positioning parameters from at least the measured direction of the gravitational acceleration (g). Said relative positioning parameters comprise at least one piece of information about the relative positioning between the sensor arrangement and the vehicle chassis.

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