

Title (en)
DEVICE FOR MEASURING THE MOVEMENT OF A SELF-GUIDING VEHICLE

Title (de)
VORRICHTUNG ZUM MESSEN DER BEWEGUNG EINES SELBSTGESTEUERTEN FAHRZEUGS

Title (fr)
DISPOSITIF DE MESURE DE DEPLACEMENT D'UN VEHICULE AUTOGUIDE

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Application
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Abstract (en)
[origin: WO2009074725A1] The invention relates to a device for measuring the movement of a self-guiding vehicle, that has an enhanced measuring reliability, in particular during an adhesion loss and independently from the travel profile of the vehicle in terms of slope, turn and slant. To this end, the device for measuring the movement of a self-guiding vehicle includes on board thereof two accelerometers coupled to a movement calculator, wherein each accelerometer includes two measurement axes on which are measured projections of a vehicle acceleration resultant. The four measurement axes of the accelerometers are adjusted so that the calculator provides, from the four projection measures, at least one very accurate longitudinal acceleration value of the vehicle at each point of a route including both slopes and turns.

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