

Title (en)
METHOD FOR REGULATING DRIVING DYNAMICS AND DRIVING DYNAMICS REGULATOR FOR MOTORISED SINGLE-TRACK VEHICLES

Title (de)
VERFAHREN ZUR FAHRDYNAMIKREGELUNG UND FAHRDYNAMIKREGLER FÜR MOTORISIERTE EINSPURFahrzeuge

Title (fr)
PROCEDE DE REGULATION DE COMPORTEMENT DYNAMIQUE, ET REGULATEUR DE COMPORTEMENT DYNAMIQUE POUR VEHICULES A MOTEUR A VOIE UNIQUE

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Abstract (en)
[origin: WO2006136515A1] The invention relates to a method for regulating the driving dynamics of motorised single-track vehicles, said method evaluating camera image sequences in terms of the tilt angle (?) and/or the pitch angle of the vehicle in relation to the track. Regulating thresholds of an electrohydraulic or electromechanical brake control appliance are adapted according to the detected tilt angle (?) and/or the pitch angle. The invention also relates to a driving dynamics regulator for motorised single-track vehicles, comprising an electrohydraulic or electromechanical brake control appliance provided with an electronic control system and a memory for a driving dynamics regulating program. Said regulator also comprises a camera oriented in the direction of travel, and an image sequence evaluation device. In addition to a standard ABS-TCS regulator (60), the driving dynamics regulator comprises a first block (72) for estimating the pitch angle and the pitch speed, a second block (73) for estimating the tilt angle, and a risk calculator (80) for calculating regulating thresholds.

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