

Title (en)
THREE-WHEEL VEHICLE ELECTRONIC STABILITY SYSTEM

Title (de)
ELEKTRONISCHES STABILISIERUNGSSYSTEM FÜR EIN DREIRADFahrzeug

Title (fr)
SYSTÈME ÉLECTRONIQUE DE STABILITÉ POUR VÉHICULE À TROIS ROUES

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Application
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Abstract (en)
[origin: WO2007130043A1] The present invention provides a three-wheel vehicle (10) having an electronic vehicle stability system and a method for stabilizing a three-wheel vehicle. The three-wheel vehicle (10) features a left (22) and right front wheel (24) laterally spaced apart and a single centered rear wheel (18) each having a tire contact patch which together define a triangular pattern of contact tire patches defining left and right rollover axis. The electronic vehicle stability system is adapted to calculate a dynamic status of the vehicle (10) based on inputs received from sensors and to output signals to the braking system to generate a specific moment about one of the left and right rollover axis when the calculated dynamic status of the vehicle exceeds a predetermine threshold indicative of a precursory condition of rollover. The present invention also provides a three-wheel vehicle having a yaw sensor positioned within a radius of 25 cm about the vertical axis (Z) to improve the accuracy of the yaw measurements provided to the electronic vehicle stability system.

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Citation (search report)
See references of WO 2007130043A1

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Cited by
USD1032429S; US10300971B2; US11572118B2

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