

Title (en)

METHOD FOR CONTROLLING A ROLLING OR COASTING FUNCTION OF A VEHICLE

Title (de)

VERFAHREN ZUR STEUERUNG EINER ROLL- ODER SEGELFUNKTION EINES FAHRZEUGS

Title (fr)

PROCÉDÉ DE COMMANDE DE LA FONCTION DE ROULEMENT AU POINT MORT OU DE ROULEMENT MOTEUR COUPÉ D'UN VÉHICULE

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Application

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Abstract (en)

[origin: WO2011054635A1] The invention relates to a method for controlling a rolling or coasting function of a vehicle, for example a commercial vehicle (1), comprising a drive train having a drive motor, an automatic or automated transmission that can be actuated by means of a transmission controller, the transmission having actuatable shifting means for interrupting the frictional connection in the drive train, a brake device, such as a sustained-action brake system, and a travel speed control device, wherein the current road gradient (a_Fb), the vehicle speed (v_F) and the vehicle acceleration (a_F) are determined and the vehicle speed (v_F) is controlled by means of the travel speed control device, wherein the brake device is actuated as needed during travel on a gradient (2). In order to allow the rolling or coasting function to be used effectively and reliably in particularly suited travel situations, taking the effect of the travel speed control device into consideration, a rolling or coasting condition for a gradient taper (3) is checked during travel in the gradient (2) and, if the rolling or coasting condition is fulfilled, the transmission controller interrupts the frictional connection in the drive train before a plane (4) is entered and/or before an engine torque is requested by the travel speed control device.

IPC 8 full level

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