

Title (en)
METHOD AND DEVICE FOR ADJUSTING A GEARBOX STEP-UP RATIO IN A MOTOR VEHICLE COMPRISING ADAPTIVE CRUISE CONTROL AND/OR A VEHICLE-SPEED CONTROLLER

Title (de)
VERFAHREN UND VORRICHTUNG ZUR EINSTELLUNG EINER GETRIEBEÜBERSETZUNG BEI EINEM KRAFTFAHRZEUG MIT EINEM ABSTANDS- UND/ODER FAHRGESCHWINDIGKEITSREGLER

Title (fr)
PROCEDE ET DISPOSITIF PERMETTANT DE REGLER UN RAPPORT DE TRANSMISSION DANS UNE AUTOMOBILE, AU MOYEN D'UN REGULATEUR DE VITESSE ADAPTATIF

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Abstract (en)
[origin: WO0179016A1] The invention relates to a method and a device for adjusting the gearbox step-up ratio of a gearbox fitted into the drive train of a motor vehicle, during the activation of an adaptive cruise control (ACC) system and/or a vehicle-speed controller. During said activation, a desired variable is predetermined. At least the drive motor of the vehicle is controlled depending on said desired variable. The invention is characterized in that if a first operating condition exists, said desired variable or a value that is derived from said desired variable is limited. The adjustment of the gearbox step-up ratio then takes place based on the limited variable or on the limited value. If a second operating condition exists, the adjustment of the gearbox step-up ratio takes place based on the desired variable or on the value. This prevents unnecessary and inconvenient shifting-down procedures during the ACC operation, without having to dispense with any rapid acceleration that may be necessary.

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