

Title (en)

METHOD FOR LEARNING FORCE-FREE GEAR POSITIONS OF A MANUAL TRANSMISSION OF A VEHICLE

Title (de)

VERFAHREN ZUM LERNEN VON KRAFTFREIEN GANGPOSITIONEN EINES HANDSCHALTGETRIEBES EINES FAHRZEUGES

Title (fr)

PROCÉDÉ POUR ACQUÉRIR DES POSITIONS DE VITESSE D'UNE BOÎTE DE VITESSES À COMMANDE MANUELLE D'UN VÉHICULE N'ÉTANT PAS SOUMISES À UNE APPLICATION DE FORCE

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Application

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Abstract (en)

[origin: WO2019201385A1] The invention relates to a method for learning neutral/gear positions of a manual transmission of a vehicle, said transmission being actuated by a clutch pedal-free clutch system (1), wherein a shift intent on a shift lever (16) and the gear positions of the manual transmission (3) are detected by sensors, and each gear is shifted by means of the shift lever (16) during the learning process. In a method in which the absence of a force on the shift lever can be reliably inferred during the learning process, the position values supplied by the shift lever sensor (15) and/or the gear position sensor (23, 24) during the shifting process are evaluated over a specified duration, and in the event of a change in the position values relative to a threshold, it is inferred whether the shift lever (16) is free of a force or not.

IPC 8 full level

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Citation (search report)

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