

Title (en)  
GEARSHIFT CONTROL

Title (de)  
GANGSCHALTUNG

Title (fr)  
COMMANDE DE CHANGEMENT DE VITESSE

Publication  
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Application  
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Abstract (en)  
[origin: WO2008073025A1] The present invention relates to a solution for controlling a gear- b o x in a motor vehicle, wherein a gearshift lever (100) of a control device is movable between at least two gear positions (A, B, C, D, E, F). An energy emitter means (115) at a distal end (112) of the lever (100) emits a lever signal representative of the location of the lever (100), and a transducer matrix (120) is configured to contactlessly detect the lever signal. In response to this signal, the transducer matrix (120) produces a data signal (d), which depending on the lever's (100) location, may be indi- c a t i v e of the gear positions (A, B, C, D, E, F) as well as at least one intermediate position (210, 220, 230) located on a path (P) between at least one first and at least one second position of the gear positions (A, B, C, D, E, F). A central unit (140) receives the data signal (d), and in response thereto, generates a control signal (S gear ) and at least one gearbox parameter (P g e a r ). The control signal (S g e a r ) represents a gear to be engaged in the gearbox, and the at least one gearbox parameter (P g e a r ) is adap- t e d to control at least one characteristic of the gearbox other than the gear to be engaged, e.g. a freewheel-clutch operation, and/or a gear-synchronization in respect of an estimated future gear to be engaged.

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