Title (en)
METHOD FOR DYNAMICALLY DETERMINING A CLUTCH REST POINT

Title (de)
VERFAHREN ZUR DYNAMISCHEN ERMITTLUNG EINES KUPPLUNGS-RUHEPUNKTES

Title (fr)
PROCÉDÉ POUR LA DÉTECTION DYNAMIQUE D'UNE POSITION DE REPOS D'EMBRAYAGE

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Application
EP 08701278 A 20080108

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Abstract (en)
[origin: WO2008087065A1] The invention relates to a method for determining a rest point of a clutch, for example a multiple-disc clutch, in a dynamic and event-dependent fashion. The rest point is here an actuation path point or an actuation path region just before the slip region of the clutch in which the clutch still cannot transmit any appreciable torque but which permits a position of the clutch, in which an appreciable torque can be transmitted, to be reached very quickly. According to one preferred variant, the rest point can be determined on the basis of a basic rest point by taking into account various offset values or correction values. A control device determines these correction values in this context at favourable, event-dependent times, for example during or shortly after the disengagement of a gear speed, as a function of specific parameters such as, for example, an original gear speed and/or a target gear speed and/or the type of gear shifting operation, for example, shifting up, shifting down or shifting out of the neutral position of the transmission. A clutch actuator is then activated in such a way that the friction clutch is closed up to the clutch rest point. This makes it possible to minimize, as a function of the specific parameters, both increased wear of the clutch and a required switching time until a slip region of the clutch is reached.

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