Title (en)
METHOD FOR OPERATING A TEST STAND

Title (de)
VERFAHREN ZUM BETREIBEN EINES PRÜFSTANDS

Title (fr)
PROCÉDÉ DESTINÉ À FAIRE FONCTIONNER UN BANC D'ESSAI

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Application
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Abstract (en)
[origin: WO2019122304A1] The aim of the invention is to provide a simple method for controlling the torque of a drive unit (2) for carrying out a test run on a test stand (1), which takes into account the limited adjustment dynamics of the drive unit (2). According to the invention, an inner effective torque (MINT_EFF) or an effective torque (MEFF) of the drive aggregate (2) is controlled by the unit controlling unit (6), in which desired values for the inner effective torque (MINT_EFF_SOLL) or the effective torque (MEFF_SOLL) are provided, and actual values for the inner effective torque (MINT_EFF_IST) or the effective torque (MEFF_IST) are determined during the operation of the drive unit (2) on the test stand (1), and in that the adjustment dynamics of the drive unit (2) are taken into account in the regulation by means of a transfer function (UF), in that the desired values of the regulation are corrected with the transfer function (UFEL) or that, in order to control the inner effective torque (MINT_EFF) or the effective torque (MEFF) of the drive unit (2), a pilot control of a control variable of the unit (2) is used, wherein pilot control values of the control variable or the desired values of the control are corrected with the transfer function (UF).

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