

Title (en)

SERVO SYSTEM FOR CONTROLLING THE POSITION OF AN ACTUATOR IN A MOTOR VEHICLE

Title (de)

SERVOSYSTEM ZUR STEUERUNG DER POSITION EINES AKTUATORS IN EINEM KRAFTFAHRZEUG

Title (fr)

SYSTÈME D'ASSERVISSEMENT DE LA POSITION D'UN ACTIONNEUR DANS UN VÉHICULE AUTOMOBILE

Publication

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Application

EP 16744823 A 20160711

Priority

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- FR 2016051769 W 20160711

Abstract (en)

[origin: WO2017032931A1] A servo system for controlling the position $Y(s)$ of an actuator to a position setpoint $R(s)$ in a motor vehicle, the actuator having a predefined transfer function $G(s)$ associated with a pure delay d , said system being implemented via a position control $U(s)$ input to the transfer function, the position of the actuator corresponding to the response of the actuator to the position control, said system comprising a pure delay compensator (50) in which the position control is used as a summing input of an adder (41) and as an input of a pure delay block (42), the output of the pure delay block being used as a subtracting input of the adder, the input of a high-pass filter (51) being connected to the output of the adder, the input of an amplifier (52) being connected to the output of the high-pass filter.

IPC 8 full level

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CPC (source: EP)

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Cited by

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