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

EP 3341604 B1 20200318 (FR)

Application

EP 16744823 A 20160711

Priority

- FR 1557874 A 20150824
- 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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