

Title (en)
STABILIZER ACTUATOR HAVING A PERMANENT MAGNET MOTOR

Title (de)
STABILISATORAKTOR MIT EINEM PERMANENTMAGNETMOTOR

Title (fr)
ACTIONNEUR DE STABILISATEUR AYANT UN MOTEUR À AIMANT PERMANENT

Publication
EP 3714526 A1 20200930 (DE)

Application
EP 18795489 A 20181025

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Abstract (en)
[origin: WO2019101467A1] The invention relates to a stabilizer actuator (6) for the relative rotation of two stabilizer parts (2, 3) of a roll stabilizer (1), comprising a housing (7) and a permanent magnet motor (9) arranged therein for applying a torque, which permanent magnet motor comprises a stator (11) connected to the housing (7) in a rotationally fixed manner and a rotor (12) mounted for rotation relative to the stator about an axis of rotation (13), the stator (11) having, in the circumferential direction, a plurality of stator grooves, which extend in the axial direction and accommodate a coil winding, and the rotor (12) having, in the circumferential direction, a plurality of magnet segments, which extend in the axial direction and are carried by a rotor core. In order to reduce cogging, the stator grooves or the magnet segments each have an inclination such that the stator grooves or the magnet segments, in the course of the entire axial length thereof, extend both in the axial direction and in the circumferential direction of the stator (11) and/or of the rotor (12). The invention further relates to a roll stabilizer (1) for a motor vehicle having a stabilizer actuator (6) of this type.

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Citation (search report)
See references of WO 2019101467A1

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