

Title (en)

STEER-BY-WIRE STEERING GEAR HAVING A HOLLOW SHAFT MOTOR AND A BALL SCREW DRIVE

Title (de)

STEER-BY-WIRE-LENKGETRIEBE MIT HOHLWELLENMOTOR UND KUGELGEWINDETREIB

Title (fr)

MÉCANISME DE DIRECTION À COMMANDE ÉLECTRIQUE COMPRENANT UN MOTEUR À ARBRE CREUX ET UN SYSTÈME VIS-ÉCROU

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020038952A1] The invention relates to a steering gear (8) for a steer-by-wire steering system (1) of a motor vehicle, comprising a hollow shaft motor (12) having a stator (13) fixed to the housing, and a rotatably mounted rotor (14), which is arranged coaxially to a longitudinal axis (100) and is penetrated by a screw gear (11). The screw gear (11) comprises a spindle nut (15) arranged coaxially to the longitudinal axis (100), which spindle nut is drivingly connected to the rotor (14) and is seated on a spindle (16) that is displaceable along the longitudinal axis (100) by means of the hollow shaft motor (12), and wherein the angle of inclination (α) of the screw gear (11) is less than 4.5° .

IPC 8 full level

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Citation (search report)

See references of WO 2020038952A1

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