

Title (en)

PLAIN BEARING FOR A COUPLING ROD OF A STEER-BY-WIRE STEERING GEAR

Title (de)

GLEITLAGER FÜR EINE KOPPELSTANGE EINES STEER-BY-WIRE-LENKGETRIEBES

Title (fr)

PALIER LISSE POUR UNE BARRE D'ACCOUPLEMENT D'UN SYSTÈME DE DIRECTION À COMMANDE ÉLECTRIQUE

Publication

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Application

**EP 19783300 A 20191004**

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Abstract (en)

[origin: WO2020074385A1] The invention relates to a steering gear (7) for a steer-by-wire steering system (1) of a motor vehicle, comprising a coupling rod (16), which is mounted in a steering gear housing (8) and on which a leadscrew (12) is formed, which is surrounded by a leadscrew nut (11), said leadscrew and leadscrew nut being part of a screw drive (10), wherein: the coupling rod (16) can be translated along the longitudinal axis (100) by means of the screw drive (10); the coupling rod (16) is mounted in the steering gear housing (8) by means of a plain bearing (19) such that the coupling rod can slide along a longitudinal axis (100); and the plain bearing (19) is designed to compensate thermal expansions between the steering gear housing (8) and the leadscrew nut (11).

IPC 8 full level

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