

Title (en)
STEERING GEAR

Title (de)
LENKGETRIEBE

Title (fr)
MÉCANISME DE DIRECTION

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Application
EP 18731374 A 20180605

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Abstract (en)
[origin: WO2019007609A1] The invention relates to a steering gear for a steering system of a motor vehicle, having: - a housing (1), - a gearwheel (2), - a pinion (3) meshing with the gearwheel (3), and - a pinion shaft (4) comprising the pinion (3), - wherein: the pinion shaft (4) is mounted on one side of the pinion (3) in a floating bearing (8) that comprises a rotary bearing in which the pinion shaft (4) is received. For the rotary bearing, mobility within the housing (1) is ensured in terms of the pivoting mobility of the pinion shaft (4) guided by the fixed bearing (6). The rotary bearing of the floating bearing (8) is connected to a stop element, which is arranged displaceably and at the same time non-rotatably within a receiving space (24). By means of a stop between the stop element and a wall of the receiving space (24) the pivoting mobility of the pinion shaft (4) guided by the fixed bearing (6) is limited. The stop element and the receiving space (24) are designed such that, only in the event of such a stop, as a result of the interaction of the then contacting contact surfaces (25, 26) of the stop element and the wall of the receiving space (24), pivoting mobility of the pinion shaft (4) is also blocked about an axis oriented perpendicular to the pivot axis (7).

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