

Title (en)

CAMSHAFT COMPRISING AN AXIALLY GUIDED SLIDING ELEMENT

Title (de)

NOCKENWELLE MIT EINEM AXIAL GEFÜHRTEM SCHIEBEELEMENT

Title (fr)

ARBRE À CAMES COMPORTANT UN ÉLÉMENT COULISSANT GUIDÉ AXIALEMENT

Publication

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Application

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Abstract (en)

[origin: WO2016071015A1] The invention relates to a camshaft (1) comprising a main shaft (10) on which at least one sliding element (11) is accommodated in such a way as to be axially movable along a shaft axis (12); the main shaft (10) has an outer longitudinal tooth structure (13) that meshes with an inner tooth structure (14) introduced into a passage in the sliding element (11) so that the sliding element (11) is disposed in a rotationally fixed manner on the main shaft (10); on the axial end faces, the sliding element (11) has guiding portions (15), by means of which the sliding element (11) is guided on the main shaft (10) in order to minimize axial offset of the sliding element (11). According to the invention, guiding sleeves (16) on which the guiding portions (15) of the sliding element (11) are supported are accommodated on the main shaft (10).

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