

Title (en)
CAMSHAFT ARRANGEMENT

Title (de)
NOCKENWELLENANORDNUNG

Title (fr)
ENSEMBLE D'ARBRE À CAMES

Publication
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Application
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Abstract (en)
[origin: WO2011042392A1] The invention relates to a camshaft arrangement (1) for changing the relative angle of at least one first cam of a camshaft (2) relative to a second cam of the camshaft (2), wherein the arrangement comprises an angle adjusting device (3) having a stator (4) and a rotor (5) rotatably disposed relative to said stator, wherein the rotor (5) is rotationally fixed to a shaft (6), wherein the stator (4) is rotationally fixed to a hollow shaft (7), wherein the shaft (6) and the hollow shaft (7) are disposed concentric to each other, wherein the at least one first cam is rotationally fixed to the shaft (6), wherein the at least one second cam is rotationally fixed to the hollow shaft (7), and wherein the rotationally fixed connection between the rotor (5) and the shaft (6) is produced by at least one screw (8). In order to establish a fixed connection between the rotor and the shaft, taking up little space, according to the invention, the shaft (6) having an end face (9) contacts a contact surface (10) of the rotor (5) and is pulled against the contact surface (10) by means of the at least one screw (8), wherein the shaft (6) comprises a cross-sectional area (A1) along the axial extent thereof present in the area of the rotor (5), said cross-sectional area expanding to a greater value (A2) out to the end face (9) thereof.

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