Title (en)

CENTRAL ACTUATOR SYSTEM FOR AN OSCILLATING MOTOR ADJUSTER OF A CAMSHAFT

Title (de)

ZENTRALAKTUATOR FÜR EINEN SCHWENKMOTORVERSTELLER EINER NOCKENWELLE

Title (fr)

ACTIONNEUR CENTRAL POUR DÉPHASEUR D'ARBRE À CAMES À MOTEUR OSCILLANT

Publication

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Application

EP 16703506 A 20160203

Priority

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Abstract (en)

[origin: WO2016128279A1] The invention relates to a central actuator (10, 10', 10"), in particular for a solenoid valve of an oscillating motor camshaft adjuster, comprising a housing (46), which surrounds the central actuator (10, 10', 10"), a pole tube (12) and a pole core (14), which are arranged inside at least one coil (52) generating a magnetic field, and an actuating plunger (20, 20', 20"), which is arranged on an armature (28, 28', 28") designed to be movable in the axial direction L in an armature space (60). According to the invention an end element (18) for closing the armature space (60) is provided, which comprises at least one pole core insert (22) having a central bore (24) and a bearing bushing (26) arranged in the central bore (24) of the pole core insert (22), wherein the actuating plunger (20, 20', 20") is axially movably mounted in the bearing bushing (26) and wherein the end element (18) also comprises an end cover (42) and is provided as a unit which can be pre-assembled.

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016128279A1

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