

Title (en)

ELECTROMAGNETIC ACTUATING APPRATUS AND CAMSHAFT ADJUSTMENT DEVICE

Title (de)

ELEKTROMAGNETISCHE STELLVORRICHTUNG SOWIE NOCKENWELLENVERSTELLVORRICHTUNG

Title (fr)

DISPOSITIF DE POSITIONNEMENT ÉLECTROMAGNÉTIQUE ET DISPOSITIF DE RÉGLAGE D'ARBRE À CAMES

Publication

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Application

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Abstract (en)

[origin: WO2012175421A1] The invention relates to an electromagnetic actuating device (1), in particular for a camshaft adjuster of an internal combustion engine of a motor vehicle, comprising an elongate actuating element (2) that at the end forms an engagement region, can be moved by the force of a coil unit (29) provided in a stationary manner and preferably has a cylindrical enveloping contour in sections. Said control element penetrates a cut-out (8) in permanent magnet means (6) arranged on the jacket side, the means being designed for the cooperation with a stationary core region (5) enclosing a core body (15), and with a contact surface (11) on the end face side and control element side is seated against a contact surface (10) on the core region side in a switch position. According to the invention, the contact surface (11) on the core region side is formed at least in some sections by a contact element (16) that is fixed in the core body (15) and composed of a material of higher hardness than the material of the core body (15).

IPC 8 full level

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