

Title (en)

ELECTROMAGNETIC DRIVE ARRANGEMENT IN PARTICULAR FOR SETTING THE POSITION OF A CAMSHAFT IN AN INTERNAL COMBUSTION ENGINE

Title (de)

ELEKTROMAGNETISCHE STELLVORRICHTUNG INSBESONDERE ZUM VERSTELLEN VON NOCKENWELLEN EINES VERBRENNUNGSMOTORS

Title (fr)

DISPOSITIF D'ACTIONNEMENT ELECTROMAGNETIQUE, EN PARTICULIER POUR LE CALAGE D'UN ARBRE À CAMES DE MOTEUR À COMBUSTION INTERNE

Publication

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Application

EP 17768005 A 20170825

Priority

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Abstract (en)

[origin: WO2018046314A1] The invention relates to an electromagnetic control device, in particular for adjusting camshafts or a camshaft section of an internal combustion engine, comprising: an energizable coil unit (46), by means of which, in the energized state, an armature (26) mounted for movement along a longitudinal axis (L) of the control device (10) can be moved relative to a pole core between a retracted position and an extended position; a tappet (24), which interacts with the armature (26) and is mounted for movement along the longitudinal axis (L), having a free end (28), by means of which the tappet (24) interacts with the camshaft in the extended position in order to adjust the camshaft; and an adapter (18), by means of which the control device (10) can be fastened to a component, in particular to a cylinder head cover, wherein the armature (26) and the tappet (24) are connected to each other for conjoint rotation and the control device (10) has a first bearing section (22) within the adapter (18) for the rotatable mounting of the tappet (24) and a second bearing section (30) outside of the adapter (18) for the rotatable mounting of the tappet (24) and/or the armature (26).

IPC 8 full level

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