

Title (en)
ELECTROMAGNETIC CONTROL DEVICE, IN PARTICULAR FOR ADJUSTING CAMSHAFTS OF AN INTERNAL COMBUSTION ENGINE

Title (de)
ELEKTROMAGNETISCHE STELLVORRICHTUNG INSBESONDERE ZUM VERSTELLEN VON NOCKENWELLEN EINES
VERBRENNUNGSMOTORS

Title (fr)
DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE, EN PARTICULIER POUR LE RÉGLAGE D'ARBRES À CAMES D'UN MOTEUR À
COMBUSTION INTERNE

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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).

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Citation (search report)
See references of WO 2018046314A1

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