

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 DÉPHASAGE D'ARBRES À CAMES D'UN MOTEUR À  
COMBUSTION INTERNE

Publication  
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Application  
**EP 17771342 A 20170823**

Priority  
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Abstract (en)  
[origin: WO2018046298A1] 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 (48), by means of which, in the energized state, an armature (34) mounted for movement along a longitudinal axis (L) of the control device (10) can be moved relative to a pole core (50) between a retracted position and an extended position; at least one tappet (24), which is mounted for movement along the longitudinal axis (L) and interacts with the camshaft in the extended position by means of a free end (32) (26) in order to adjust the camshaft and is connected at an inner end (32) to the armature (34), wherein the tappet (24) has a first diameter (D1) in the region of the free end (26) and has a second diameter (D2) in the region of the inner end (32), and the first diameter (D1) is greater than the second diameter (D2).

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