

Title (en)
ELECTROMAGNETIC CAMSHAFT-ADJUSTER DEVICE

Title (de)
ELEKTROMAGNETISCHE NOCKENWELLEN-VERSTELLVORRICHTUNG

Title (fr)
DISPOSITIF DE RÉGLAGE ÉLECTROMAGNÉTIQUE D'ARBRE À CAMES

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Application
EP 10719727 A 20100331

Priority
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Abstract (en)
[origin: WO2010118826A1] The invention relates to an electromagnetic camshaft-adjuster device having an armature unit (14, 42) drivable along an axial direction in reaction of a current feed of a stationary inductor unit (10), which for interacting with an adjusting unit (16, 48) causing adjustment of a camshaft of an internal combustion engine is configured with a slide and/or tappet unit, wherein on and/or in the armature unit and/or the adjusting unit permanent magnet means (20, 44) are provided and the inductor unit and the armature unit are at least partially received in a housing or supporting unit, and wherein the supporting unit is associated with configured stationary magnetic field detection means (22, 38) preferably for contactless magnetic interaction with the permanent magnet means, which are configured so that in a current feed condition and a non current feed condition the inductor unit an axial position of the armature unit and/or the adjusting unit can be determined electronically by evaluating a magnetic field detection signal of the magnetic field detection means.

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Citation (search report)
See references of WO 2010118826A1

Cited by
DE102020201694A1

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