

Title (en)

ELECTROMAGNETIC CAMSHAFT ADJUSTING DEVICE

Title (de)

ELEKTROMAGNETISCHE NOCKENWELLEN-VERSTELLVORRICHTUNG

Title (fr)

DISPOSITIF ÉLECTROMAGNÉTIQUE DE RÉGLAGE D'UN ARBRE À CAMES

Publication

**EP 2252774 B1 20111005 (DE)**

Application

**EP 10716280 A 20100324**

Priority

- EP 2010001833 W 20100324
- DE 202009004611 U 20090403

Abstract (en)

[origin: WO2010112162A1] The invention relates to an electromagnetic camshaft adjusting device having an armature unit (50, 52), which can be moved relative to a yoke and core unit (54, 56) by energizing a stationary coil unit (46, 48) and which is designed to carry out an axial actuating movement and to exert a correspondingly axially directed actuating force on a rotating internal combustion engine camshaft by means of a slider unit (62) interacting with the armature unit. According to the invention, the yoke and core unit is mounted such that it can rotate relative to the coil unit and provides a receptacle for the armature unit (50, 52) that is guided such that it can move axially in the yoke and core unit and has the slider unit (62) firmly seated thereon.

IPC 8 full level

**F01L 1/34** (2006.01); **F01L 13/00** (2006.01); **F16K 31/06** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)

**F01L 1/34** (2013.01 - EP US); **F01L 13/00** (2013.01 - EP US); **H01F 7/1607** (2013.01 - EP US); **H01F 7/126** (2013.01 - EP US); **H01F 2007/085** (2013.01 - EP US); **H01F 2007/163** (2013.01 - EP US)

Cited by

DE102014109124A1; DE102011001420A1; DE102014109124B4; US10290410B2; WO2012126756A1; US8931450B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**DE 202009004611 U1 20100812**; AT E527437 T1 20111015; CN 102369341 A 20120307; CN 102369341 B 20130904; EP 2252774 A1 20101124; EP 2252774 B1 20111005; US 2012031362 A1 20120209; US 8402934 B2 20130326; WO 2010112162 A1 20101007

DOCDB simple family (application)

**DE 202009004611 U 20090403**; AT 10716280 T 20100324; CN 201080015531 A 20100324; EP 10716280 A 20100324; EP 2010001833 W 20100324; US 201013262243 A 20100324