

Title (en)

PHASING DEVICE FOR ALTERING ANGULAR POSITION OF AT LEAST ONE CAMSHAFT SEGMENT

Title (de)

NOCKENWELLENVERSTELLVORRICHTUNG ZUM VERSTELLEN EINER POSITION WENIGSTENS EINES NOCKENSEGMENTES

Title (fr)

DISPOSITIF DE DÉPHASAGE PERMETTANT DE MODIFIER LA POSITION ANGULAIRE D'AU MOINS UN SEGMENT D'ARBRE À CAMES.

Publication

**EP 3186493 A1 20170705 (DE)**

Application

**EP 15750431 A 20150814**

Priority

- DE 102014012496 A 20140827
- EP 2015068755 W 20150814

Abstract (en)

[origin: WO2016030213A1] The present invention relates to a camshaft adjusting device of a drive, in particular of a motor vehicle drive, for adjusting a phase position of at least one cam segment, wherein the camshaft adjusting device has at least one camshaft and a phase adjuster which is operatively connected to the camshaft, wherein the camshaft has a shaft segment which has at least one inner shaft and an outer shaft which at least partially surrounds the inner shaft, and a drive segment for driving the shaft segment and at least one cam segment which is connected to at least the outer shaft in a positively locking and/or non-positive manner, and wherein the phase adjuster has a rotor element and a stator element, and wherein a compensating element at least for compensating for partial component tolerances between the camshaft and the phase adjuster is arranged at least in sections between the rotor element and the drive segment.

IPC 8 full level

**F01L 1/344** (2006.01)

CPC (source: EP KR US)

**F01L 1/047** (2013.01 - KR US); **F01L 1/34413** (2013.01 - US); **F01L 1/3442** (2013.01 - EP KR US); **F01L 2001/0473** (2013.01 - EP KR US); **F01L 2001/0476** (2013.01 - EP KR US); **F01L 2001/34479** (2013.01 - EP KR US); **F01L 2250/02** (2013.01 - EP KR US); **F01L 2250/04** (2013.01 - EP KR US); **Y10T 74/2102** (2015.01 - EP US)

Citation (search report)

See references of WO 2016030213A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**DE 102014012496 A1 20160303**; CN 106795780 A 20170531; CN 106795780 B 20200124; EP 3186493 A1 20170705; EP 3186493 B1 20190102; JP 2017525892 A 20170907; KR 20170048333 A 20170508; US 10309269 B2 20190604; US 2017254234 A1 20170907; WO 2016030213 A1 20160303

DOCDB simple family (application)

**DE 102014012496 A 20140827**; CN 201580045927 A 20150814; EP 15750431 A 20150814; EP 2015068755 W 20150814; JP 2017510856 A 20150814; KR 20177003486 A 20150814; US 201515506535 A 20150814