

Title (en)
ADJUSTABLE CAMSHAFT WITH CAMSHAFT PHASER

Title (de)
VERSTELLBARE NOCKENWELLE MIT EINEM PHASENSTELLER

Title (fr)
ARBRE À CAMES RÉGLABLE AVEC DÉPHASEUR

Publication
EP 3334910 B1 20200422 (DE)

Application
EP 16753846 A 20160729

Priority
• DE 102015113356 A 20150813
• EP 2016068160 W 20160729

Abstract (en)
[origin: WO2017025356A1] The invention relates to an adjustable camshaft (10) for the valve drive of an internal combustion engine, having an outfit shaft (11) and an inner shaft (12) rotatable in the outer shaft (11), and having a phase actuator (1) by means of which the outer shaft (11) and/or the inner shaft (12) can be adjusted into a phase position formed about an axis of rotation (13), wherein the camshaft (10) has a bearing section (14) for mounting the camshaft (10), via which the phase actuator (1) can be fed with a pressure medium. According to the invention, the inner shaft (12) has an end (15) on which a screw-fitting flange (16) is arranged, and wherein a rotor (14) of the phase adjuster (1) is attached to the screw-fitting flange (16), and wherein the free end (15) of the inner shaft (12) has a channel (18) coinciding with the axis of rotation (13) for the at least partial feeding of the phase actuator (1) with a pressure medium, which channel (18) extends at least into the bearing section (14).

IPC 8 full level
F01L 1/344 (2006.01); **F01L 1/047** (2006.01)

CPC (source: EP US)
F01L 1/047 (2013.01 - US); **F01L 1/34413** (2013.01 - US); **F01L 1/3442** (2013.01 - EP US); **F01L 2001/0473** (2013.01 - EP US); **F01L 2001/0476** (2013.01 - EP US); **F01L 2001/34423** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 2017025356 A1 20170216; CN 108026795 A 20180511; DE 102015113356 A1 20170216; EP 3334910 A1 20180620; EP 3334910 B1 20200422; US 10683781 B2 20200616; US 2018238200 A1 20180823

DOCDB simple family (application)
EP 2016068160 W 20160729; CN 201680047737 A 20160729; DE 102015113356 A 20150813; EP 16753846 A 20160729; US 201615752328 A 20160729