

Title (en)
CAMSHAFT ADJUSTER

Title (de)
NOCKENWELLENVERSTELLER

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

Publication
EP 3329104 A1 20180606 (DE)

Application
EP 16753262 A 20160725

Priority
• DE 102015112442 A 20150730
• EP 2016067660 W 20160725

Abstract (en)
[origin: WO2017017058A1] The invention relates to a camshaft adjuster (1) having a stator (2) driven by a crankshaft of an internal combustion engine, a rotor (4) which can be connected to a camshaft of the internal combustion engine in a rotationally fixed manner and which has a plurality of vanes (6) protruding radially outward from a rotor hub (7), wherein operating chambers arranged between the stator (2) and the rotor (4) are divided into pressure chambers (8, 9) by the vanes (6) and wherein the stator (2) and the rotor (4) are produced as sintered components. According to the invention, there are displacement recesses (14) on axially formed end faces (13, 15, 19, 20) of the stator (2) and/or of the rotor (4), into which material can flow during a deforming reworking process of the end faces.

IPC 8 full level
F01L 1/344 (2006.01)

CPC (source: EP US)
F01L 1/3442 (2013.01 - EP US); **F01L 2001/34479** (2013.01 - EP US); **F01L 2301/02** (2020.05 - EP US); **F01L 2303/00** (2020.05 - EP US); **F01L 2820/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2017017058A1

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 102015112442 B3 20161124; CN 107995936 A 20180504; CN 107995936 B 20200529; EP 3329104 A1 20180606; US 10480360 B2 20191119; US 2018135475 A1 20180517; WO 2017017058 A1 20170202

DOCDB simple family (application)
DE 102015112442 A 20150730; CN 201680043116 A 20160725; EP 16753262 A 20160725; EP 2016067660 W 20160725; US 201815864114 A 20180108