

Title (en)

Camshaft adjuster

Title (de)

Nockenwellenversteller

Title (fr)

Dispositif de réglage d'arbres à came

Publication

EP 2469048 A2 20120627 (DE)

Application

EP 11181846 A 20110919

Priority

DE 102010063703 A 20101221

Abstract (en)

The adjuster (1) has rotor (4) that is fixed axially in relation to a stator (3). The rotor has degree of freedom of rotation in relation to the stator. An adapter sleeve (9) and connecting sleeve (10) are arranged coaxially with respect to axis of rotation (22) of drive wheel (2). The adapter sleeve and the connecting sleeve are connected to each other, and are configured to fix rotor, stator and drive wheel in place axially.

Abstract (de)

Vorgeschlagen wird eine Anordnung eines Nockenwellenverstellers (1), welcher ein Antriebsrad (2), einen Stator (3) und einen Rotor (4) aufweist, wobei der Nockenwellenversteller (1) über koaxial zur Drehachse (22) angeordnete Hülsen (9, 10) zusammengehalten wird.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/3442 (2013.01 - EP US); **F01L 2001/34423** (2013.01 - EP US); **F01L 2001/34469** (2013.01 - EP US); **F01L 2001/34483** (2013.01 - EP US); **F01L 2250/04** (2013.01 - EP US); **F01L 2301/00** (2020.05 - EP US); **F01L 2303/01** (2020.05 - EP)

Citation (applicant)

DE 102008029692 A1 20100107 - HYDRAULIK RING GMBH [DE]

Cited by

DE102014200462A1; WO2019001620A1; WO2014131381A1; WO2015090296A1

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)

EP 2469048 A2 20120627; **EP 2469048 A3 20130123**; **EP 2469048 B1 20131113**; DE 102010063703 A1 20120621; US 2012152188 A1 20120621

DOCDB simple family (application)

EP 11181846 A 20110919; DE 102010063703 A 20101221; US 201113331054 A 20111220