

Title (en)

Device for adjusting a rotation angle position of a camshaft

Title (de)

Vorrichtung zur Verstellung der Drehwinkelposition einer Nockenwelle

Title (fr)

Dispositif de réglage de la position de l'angle de rotation d'un arbre à came

Publication

EP 2463486 A3 20130116 (DE)

Application

EP 11191909 A 20111205

Priority

DE 102010053685 A 20101208

Abstract (en)

[origin: EP2463486A2] The device is provided with a stator (3) that is rotary driven at a fixed speed relative to the crankshaft, where a rotor is also provided. A spring actuation chamber is provided for generating torque acting on the rotor (7) relative to the stator. A storage chamber (41) is extended against a spring force by hot idle pressure (P-hl).

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/3442 (2013.01 - EP US); **F01L 1/46** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **F01L 2001/34433** (2013.01 - EP US); **F01L 2001/34446** (2013.01 - EP US); **F01L 2001/34456** (2013.01 - EP US)

Citation (search report)

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- [XD] WO 2009027178 A1 20090305 - SCHAEFFLER KG [DE], et al
- [A] US 2003188704 A1 20031009 - AIMONE MICHAEL GEORGE [US]
- [A] DE 4210580 A1 19931007 - BOSCH GMBH ROBERT [DE]
- [A] DE 102009034011 A1 20100408 - SCHAEFFLER KG [DE]
- [A] DE 102007056683 A1 20090528 - SCHAEFFLER KG [DE]

Cited by

FR3001255A1; DE102017011004A1; US10704430B2

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 2463486 A2 20120613; **EP 2463486 A3 20130116**; **EP 2463486 B1 20150211**; CN 102536373 A 20120704; CN 102536373 B 20141022; DE 102010053685 A1 20120614; DE 102010053685 B4 20141030; PL 2463486 T3 20150731; US 2012145100 A1 20120614; US 9200546 B2 20151201

DOCDB simple family (application)

EP 11191909 A 20111205; CN 201110424132 A 20111208; DE 102010053685 A 20101208; PL 11191909 T 20111205; US 201113314284 A 20111208