

Title (en)

Camshaft adjuster

Title (de)

Nockenwellenversteller

Title (fr)

Dispositif de réglage d'arbres à came

Publication

**EP 2604817 B1 20141015 (DE)**

Application

**EP 12181619 A 20120824**

Priority

DE 102011088295 A 20111212

Abstract (en)

[origin: EP2604817A1] The camshaft adjuster (1) has drive element (2) and output element (3) that are rotatable relative to each other. A spring (4) is supported between the drive element and output element by a spring support (5). A lubricant reservoir (6) is provided between the spring wire (10) and spring support, to lubricate the contact between spring wire and spring support.

IPC 8 full level

**F01L 1/344** (2006.01); **F01L 1/46** (2006.01)

CPC (source: EP US)

**F01L 1/3442** (2013.01 - EP US); **F01L 1/46** (2013.01 - US)

Cited by

DE102013216182A1; WO2015021971A1

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)

**EP 2604817 A1 20130619; EP 2604817 B1 20141015**; CN 103161540 A 20130619; CN 103161540 B 20170721;  
DE 102011088295 A1 20130613; US 2013180482 A1 20130718; US 8925507 B2 20150106

DOCDB simple family (application)

**EP 12181619 A 20120824**; CN 201210537372 A 20121212; DE 102011088295 A 20111212; US 201213711900 A 20121212