

Title (en)

Camshaft phaser

Title (de)

Verstellvorrichtung für eine Nockenwelle

Title (fr)

Déphaseur d'arbre à cames

Publication

**EP 1605140 B1 20161102 (DE)**

Application

**EP 05011059 A 20050521**

Priority

DE 102004028095 A 20040609

Abstract (en)

[origin: EP1605140A2] The adjuster has a control member for adjusting the angle of rotation situation, into an automatic controller (6, 7) for switched automatic control loop. The automatic controller has a data memory (29) having an automatic controller coefficient recording a transfer function. The data memory has two storage areas, and an automatic control loop connected with the help of an operation distribution matrix. The automatic controller coefficient is placed in the data memory range such that a mechanism for the operating condition is provided for the cylinder engine. The automatic controller coefficient is used in dependence on the operating conditions.

IPC 8 full level

**F01L 1/34** (2006.01); **F02D 45/00** (2006.01); **F01L 1/344** (2006.01); **F01L 1/46** (2006.01); **F02D 13/02** (2006.01)

CPC (source: EP KR US)

**F01L 1/34** (2013.01 - EP KR US); **F01L 1/344** (2013.01 - EP US); **F01L 1/352** (2013.01 - EP US); **F01L 1/46** (2013.01 - EP US); **F01L 2820/032** (2013.01 - EP US); **F02D 2041/1422** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1605140 A2 20051214**; **EP 1605140 A3 20090422**; **EP 1605140 B1 20161102**; JP 2005351275 A 20051222; KR 101159319 B1 20120622; KR 20060046365 A 20060517; US 2005274338 A1 20051215; US 7222593 B2 20070529

DOCDB simple family (application)

**EP 05011059 A 20050521**; JP 2005168666 A 20050608; KR 20050046656 A 20050601; US 14866705 A 20050608