

Title (en)

ADJUSTMENT DEVICE FOR A CAMSHAFT

Title (de)

VERSTELLVORRICHTUNG FÜR EINE NOCKENWELLE

Title (fr)

DISPOSITIF DE REGLAGE POUR UN ARBRE A CAMES

Publication

**EP 1994262 B1 20091223 (DE)**

Application

**EP 07712206 A 20070212**

Priority

- EP 2007051306 W 20070212
- DE 102006011806 A 20060315

Abstract (en)

[origin: US7841312B2] An adjustment device for a camshaft includes a brake system and a superposition gear system connected on a drive output side to the camshaft and on the drive input side to the crankshaft, such that to adjust the camshaft the superposition gear system dissipates part of the energy from the drive side into the brake system. The brake system is a frictional brake system, such that the necessary braking force is produced by a friction lining that operates in a slipping condition.

IPC 8 full level

**F01L 1/352** (2006.01)

CPC (source: EP KR US)

**F01L 1/047** (2013.01 - KR); **F01L 1/344** (2013.01 - KR); **F01L 1/352** (2013.01 - EP KR US); **F01L 2810/02** (2013.01 - EP US); **F01L 2820/01** (2013.01 - EP US); **Y10T 74/2102** (2015.01 - 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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007104620 A1 20070920**; AT E453041 T1 20100115; DE 102006011806 A1 20071004; DE 502007002410 D1 20100204; EP 1994262 A1 20081126; EP 1994262 B1 20091223; JP 2009529623 A 20090820; JP 4921493 B2 20120425; KR 101311689 B1 20130925; KR 20080104264 A 20081202; US 2009095124 A1 20090416; US 7841312 B2 20101130

DOCDB simple family (application)

**EP 2007051306 W 20070212**; AT 07712206 T 20070212; DE 102006011806 A 20060315; DE 502007002410 T 20070212; EP 07712206 A 20070212; JP 2008558747 A 20070212; KR 20087018114 A 20070212; US 28238007 A 20070212