

Title (en)

CAMSHAFT ADJUSTER FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

NOCKENWELLENVERSTELLER FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE REGLAGE D'ARBRE A CAMES POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 1485581 B1 20060412 (DE)

Application

EP 03744333 A 20030221

Priority

- DE 10211468 A 20020315
- EP 0301772 W 20030221

Abstract (en)

[origin: WO03078804A1] The invention relates to camshaft adjuster for an internal combustion engine, comprising a hydraulic control piston, which is used to control an adjusting unit for adjusting the angle of a camshaft. The invention is characterised in that the control piston is configured in a separate guide casing.

IPC 8 full level

F01L 1/344 (2006.01); **F01L 1/34** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)

F01L 1/34 (2013.01 - EP US); **F01L 1/34406** (2013.01 - EP US); **F01L 2001/34426** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **F01L 2001/34433** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

WO 03078804 A1 20030925; DE 10211468 A1 20030925; DE 50302961 D1 20060524; EP 1485581 A1 20041215; EP 1485581 B1 20060412; JP 2005530078 A 20051006; US 2005051123 A1 20050310

DOCDB simple family (application)

EP 0301772 W 20030221; DE 10211468 A 20020315; DE 50302961 T 20030221; EP 03744333 A 20030221; JP 2003576783 A 20030221; US 94094304 A 20040914