

Title (en)

Cam phaser for an internal combustion engine

Title (de)

Verstelleinrichtung für eine Brennkraftmaschine

Title (fr)

Déphaseur d'arbre à cames de moteur à combustion interne

Publication

EP 2093388 B1 20141008 (DE)

Application

EP 08101750 A 20080219

Priority

EP 08101750 A 20080219

Abstract (en)

[origin: EP2093388A1] The device (5) has a rotor (6) connected firmly with a set of cam shafts (2) and a stator (7) coupled with a drive device, where an axial borehole (10) of the rotor receives a shaft section (11) of the cam shaft. The axial borehole of the rotor surrounded by the stator is continued in an axial extension (12) over width of the device. The rotor and the extension form a hub (13) for enclosing firmly the cam shaft. A set of camshaft bearings (21, 31, 32) with the hub forms a prolonged reinforcement to increase the flexural rigidity of the cam shaft. An independent claim is also included for an internal-combustion engine with an adjusting device and a tubular hollow cam shaft.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP)

F01L 1/3442 (2013.01); **F01L 2001/0475** (2013.01); **F01L 2001/0476** (2013.01); **F01L 2001/34483** (2013.01)

Cited by

EP2322769A1; DE102015206699A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 2093388 A1 20090826; EP 2093388 B1 20141008

DOCDB simple family (application)

EP 08101750 A 20080219