

Title (en)

DEVICE FOR CAMSHAFT ADJUSTMENT IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VORRICHTUNG ZUR NOCKENWELLENVERSTELLUNG EINER BRENNKRAFTMASCHINE

Title (fr)

DISPOSITIF DE RÉGLAGE D'ARBRE À CAMES POUR UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2132417 B1 20101229 (DE)

Application

EP 08708953 A 20080213

Priority

- EP 2008051737 W 20080213
- DE 102007011282 A 20070308

Abstract (en)

[origin: US2010083924A1] A device for camshaft adjustment in an internal combustion engine which has an inner rotor rotationally fixed to a camshaft. The inner rotor is rotationally adjustable relative to an outer rotor that is driveably connected to a crankshaft. At least one hydraulic chamber limited by side walls is introduced into the outer rotor and is divided into two partial chambers by an element extending radially outward from the inner rotor. To lock the relative movement between the inner and outer rotor, two locking pins penetrating the inner rotor axially engage in two recesses of one of the side walls designed as a locking cover. To adjust the play of the locking pins in the recesses, at least one of the recesses has a stop surface for the locking pin, the position of which changes as viewed circumferentially with the radial distance from the axis of the inner rotor.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/3442 (2013.01 - EP US); **F01L 2001/34456** (2013.01 - EP US); **F01L 2001/34463** (2013.01 - EP US); **F01L 2001/34466** (2013.01 - EP US); **F01L 2001/34469** (2013.01 - EP US)

Cited by

WO2014005739A1; DE102012211870A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

US 2010083924 A1 20100408; US 8240280 B2 20120814; AT E493568 T1 20110115; DE 102007011282 A1 20080911; DE 502008002149 D1 20110210; EP 2132417 A1 20091216; EP 2132417 B1 20101229; WO 2008107275 A1 20080912

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