

Title (en)

DEVICE FOR THE COMBINED LOCKING AND ROTATION ANGLE LIMITATION OF A CAMSHAFT ADJUSTER

Title (de)

KOMBINIERTE VERRIEGELUNGS- UND DREHWINKELBEGRENZUNGSEINRICHTUNG EINES NOCKENWELLENVERSTELLERS

Title (fr)

DISPOSITIF COMBINÉ DE VERROUILLAGE ET DE LIMITATION D'ANGLE DE ROTATION D'UN VARIATEUR D'ARBRE À CAMES

Publication

EP 2118455 B1 20111012 (DE)

Application

EP 07857921 A 20071220

Priority

- EP 2007064300 W 20071220
- DE 102007004184 A 20070127

Abstract (en)

[origin: US2010101516A1] A locking and rotation angle device for locking and setting maximum rotational adjustability of a drive part fixed to the crankshaft and a driven part fixed to the camshaft of a camshaft adjuster. The driven part is pivotably adjusted to the drive part, which has a locking bar received in the drive or driven part, a locking bar member formed in the respectively other part, and a rotation angle limiting member formed in the correspondingly other part. Limiting wall sections serve as stops for the locking bar for adjusting a maximum rotational adjustability. The locking bar member, rotation angle limiting member, and locking bar are disposed such that the locking bar is displaced via the displacement mechanism into a locking position, engaging into the locking bar member, and into an unlocking position, in which it is released by the locking bar member and engages in the rotation angle limiting member.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/3442 (2013.01 - EP US); **F01L 2001/34453** (2013.01 - EP US); **F01L 2001/34459** (2013.01 - EP US); **F01L 2001/34469** (2013.01 - EP US); **F01L 2001/34483** (2013.01 - EP US)

Cited by

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