

Title (en)

CAMSHAFT ADJUSTER WITH LOCKING DEVICE

Title (de)

NOCKENWELLENVERSTELLER MIT VERRIEGELUNGSEINRICHTUNG

Title (fr)

SYSTÈME DE CALAGE D ARBRE À CAMES AVEC DISPOSITIF DE VERROUILLAGE

Publication

EP 2260187 A1 20101215 (DE)

Application

EP 09715981 A 20090224

Priority

- EP 2009001283 W 20090224
- DE 102008011915 A 20080229

Abstract (en)

[origin: WO2009106283A1] The invention relates to a camshaft adjuster (1) which comprises a locking device by means of which a drive input and drive output part can be rotationally fixedly locked in a locking rotational position, wherein the locking device has a multiplicity of engagement pairs which comprise in each case one axial bar (16-19; 25-28) which is held in the drive input or drive output part and a bar slot (20-23; 29-32) which is formed in the respective other part, wherein the engagement pairs are designed such that, during an adjustment of the drive output part in the drive direction, the bars can be placed in successive engagement with the bar slots in a relative rotational position between an end rotational position, which lags behind in the drive direction, and the locking rotational position, wherein the bar slots prevent an adjustment of the drive output part counter to the drive direction and permit an adjustment in the drive direction until the locking rotational position is reached.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009106283A1

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DOCDB simple family (publication)

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