

Title (en)

MECHANISM FOR ADJUSTING CAMSHAFT OF INTERNAL COMBUSTION ENGINE

Title (de)

MECHANISMUS ZUR VERSTELLUNG DER NOCKENWELLE EINER BRENNKRAFTMASCHINE

Title (fr)

MÉCANISME DE RÉGLAGE D'ARBRE À CAMES DE MOTEUR À COMBUSTION INTERNE

Publication

**EP 3770383 A4 20211222 (EN)**

Application

**EP 18910392 A 20181225**

Priority

- CN 201810238967 A 20180322
- CN 2018123443 W 20181225

Abstract (en)

[origin: EP3770383A1] A mechanism for adjusting a camshaft of an internal combustion engine comprises a camshaft (1), a cam sleeve (2) and an electromagnetic valve (3). A guide boss portion (7) is provided on the cam sleeve (2). A valve core of the electromagnetic valve (3) is in fit with the guide boss portion (7) to drive the cam sleeve (2) to perform reciprocating movement in an axial direction of the camshaft (1). An automatic return device is provided on the valve core. After the electromagnetic valve (3) is deenergized, the valve core returns to an initial position under the action of an automatic reset device.

IPC 8 full level

**F01L 13/00** (2006.01); **F01L 1/047** (2006.01)

CPC (source: CN EP)

**F01L 1/047** (2013.01 - CN EP); **F01L 13/0036** (2013.01 - EP); **F01L 13/0047** (2013.01 - CN); **F01L 13/0063** (2013.01 - CN); **F01L 2013/0052** (2013.01 - EP); **F01L 2013/0078** (2013.01 - CN); **F01L 2013/101** (2013.01 - EP)

Citation (search report)

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- [XI] DE 102013206016 A1 20131010 - DENSO CORP [JP]
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- [X] DE 102016210978 A1 20171221 - MAHLE INT GMBH [DE]
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Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 3770383 A1 20210127**; **EP 3770383 A4 20211222**; CN 108266246 A 20180710; WO 2019179191 A1 20190926

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