

Title (en)

CAMSHAFT ADJUSTMENT DEVICE FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

NOCKENWELLENVERSTELLVORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

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

Publication

EP 2324212 B1 20120104 (DE)

Application

EP 09780278 A 20090707

Priority

- EP 2009058626 W 20090707
- DE 102008036876 A 20080807

Abstract (en)

[origin: WO2010015474A1] The invention relates to a camshaft adjustment device (1) having a pinion (2) and a drive part (3) that is disposed in a pivoting manner relative thereto, wherein the pinion (2) and the drive part (3) are operatively connected to each other via at least one pressure chamber (4) that can be pressurized by means of a pressure means, and wherein at least one regulating device (5) is provided for regulating the pressure means supply to the pressure chamber (4) and the pressure means discharge from the pressure chamber (4), wherein to supply the pressure means at least one pressure means supply connection (6) is configured between the regulating device (5) and a pressure means supply device (7), characterized in that the passage of the pressure means can be blocked in the pressure means supply connection (6) in the direction of the pressure means supply device (7) by means of at least two check valves (8, 9) that are switched in parallel to each other.

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/344 (2013.01 - EP US); **F01L 1/3442** (2013.01 - EP US)

Citation (examination)

- EP 2215331 A1 20100811 - SCHAEFFLER TECHNOLOGIES GMBH [DE]
- EP 2215332 A1 20100811 - SCHAEFFLER TECHNOLOGIES GMBH [DE]

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