

Title (en)

CAMSHAFT ADJUSTER FOR INTERNAL COMBUSTION ENGINES

Title (de)

NOCKENWELLENVERSTELLER FÜR BRENNKRAFTMASCHINEN

Title (fr)

DISPOSITIF DE REGLAGE D'UN ARBRE A CAMES DESTINE A DES MOTEURS A COMBUSTION INTERNE

Publication

**EP 1212517 B1 20050720 (DE)**

Application

**EP 00964123 A 20000906**

Priority

- DE 19944535 A 19990917
- EP 0008686 W 20000906

Abstract (en)

[origin: DE19944535C1] The cam shaft adjuster includes an axially displaceable control slider (20) which is biased by a servo drive and is associated with two axially spaced connections (42, 43) in the valve housing (18) which are to be connected depending on the operating position of the slider to the supply connection on the pressure side which opens through a cross connection (38) in the valve housing onto a ring chamber (26) of the slider. The housing connection on the adjuster side is connected to the supply connection on the return side which has in the area axially following the opposite sides of the ring webs (22, 23) of the slider a connection to a central return bore (30) with this connection running through a ring channel (25, 27) provided circumferentially on the slider and defined on each side by ring webs (21, 22 and 23, 24). The ring channel is attached to the return bore (30) which in its end area remote from the camshaft opens onto an oil collecting area.

IPC 1-7

**F01L 1/34**

IPC 8 full level

**F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP US)

**F01L 1/34** (2013.01 - EP US); **F01L 1/344** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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