

Title (en)

CAMSHAFT ADJUSTER FOR INTERNAL COMBUSTION ENGINES

Title (de)

NOCKENWELLENVERSTELLER FÜR BRENNKRAFTMASCHINEN

Title (fr)

DISPOSITIF DE REGLAGE D'ARBRE A CAMES POUR MOTEURS A COMBUSTION INTERNE

Publication

**EP 1073830 A1 20010207 (DE)**

Application

**EP 99916918 A 19990414**

Priority

- DE 19817319 A 19980418
- EP 9902495 W 19990414

Abstract (en)

[origin: DE19817319A1] The setter has a central clamping screw to fix it relative to the camshaft. The multi-path control valve is integrated into the clamping screw (9). The screw also serves as a casing, having an axial recess for a centrally located and axially movable control pushrod (8). The screw carries an internal body (10), by which it is centered relative to the camshaft.

IPC 1-7

**F01L 1/344**

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); **F01L 2001/34426** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **Y10T 74/2102** (2015.01 - EP US)

Citation (search report)

See references of WO 9954599A1

Cited by

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Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

**DE 19817319 A1 19991028**; **DE 19817319 C2 20011206**; DE 59902848 D1 20021031; EP 1073830 A1 20010207; EP 1073830 B1 20020925; US 6363896 B1 20020402; WO 9954599 A1 19991028

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