

Title (en)

DEVICE AND PROCESS FOR SETTING VALVE TRAVEL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINSTELLEN EINES VENTILHUBS

Title (fr)

DISPOSITIF ET PROCEDE DE REGLAGE D'UNE COURSE DE SOUPAPE

Publication

**EP 0714481 A1 19960605 (DE)**

Application

**EP 95917264 A 19950429**

Priority

- DE 9500576 W 19950429
- DE 4416492 A 19940510
- DE 19512338 A 19950401

Abstract (en)

[origin: US5787583A] PCT No. PCT/DE95/00576 Sec. 371 Date Jan. 11, 1996 Sec. 102(e) Date Jan. 11, 1996 PCT Filed Apr. 29, 1995 PCT Pub. No. WO95/30830 PCT Pub. Date Nov. 16, 1995An apparatus and a method are proposed for adjusting a valve lift, particularly a valve needle lift of an injection valve of an internal combustion engine, wherein a valve seat, which is preset in a housing of the valve (20), is axially displaceable in the housing by means of plastic deformation. The apparatus is provided with an adjustment device (50) which generates a feeding motion for a pressing tool (53, 55) in the direction of the plastic deformation and with a measuring device (30) which determines the valve lift that is changeable by way of the plastic deformation of the valve seat and compares the valve lift with a preset desired value, with the adjustment device (50) being controllable by way of the desired value/actual value comparison. The pressing tool (53, 55) is fed by means of a first and, if necessary, by means of at least one further feeding process. From the values obtained by the first feeding process a characteristic is formed during a learning phase, from which a further feed for the respective further feeding process is determined.

IPC 1-7

**F02M 61/16**

IPC 8 full level

**F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

**F02M 51/0682** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 2200/24** (2013.01 - EP US); **Y10T 29/49247** (2015.01 - EP US); **Y10T 29/49306** (2015.01 - EP US); **Y10T 29/49776** (2015.01 - EP US)

Citation (search report)

See references of WO 9530830A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**US 5787583 A 19980804**; BR 9506196 A 19960423; CN 1057587 C 20001018; CN 1128059 A 19960731; EP 0714481 A1 19960605; EP 0714481 B1 19990303; JP 3522281 B2 20040426; JP H09500435 A 19970114; WO 9530830 A1 19951116

DOCDB simple family (application)

**US 59148396 A 19960111**; BR 9506196 A 19950429; CN 95190372 A 19950429; DE 9500576 W 19950429; EP 95917264 A 19950429; JP 52859295 A 19950429