

Title (en)

METHOD FOR CALIBRATING THROTTLE BORES, ESPECIALLY IN INJECTION VALVES FOR INTERNAL COMBUSTION ENGINES, AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR KALIBRIERUNG VON DROSSELBOHRUNGEN, INSBESONDERE IN EINSPRITZVENTILEN FÜR BRENNKRAFTMASCHINEN, UND VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE CALIBRAGE D'ORIFICES D'ETRANGLEMENT, NOTAMMENT DANS DES SOUPAPES D'INJECTION POUR MOTEURS A COMBUSTION INTERNE, ET DISPOSITIF POUR METTRE EN OEUVRE LEDIT PROCEDE

Publication

**EP 1124665 B1 20040506 (DE)**

Application

**EP 00971229 A 20000818**

Priority

- DE 0002822 W 20000818
- DE 19941472 A 19990901

Abstract (en)

[origin: DE19941472A1] The invention relates to a method and to a device for calibrating throttle bores, especially in injection valves for internal combustion engines. The throttle bores are subjected to a hydroerosive treatment by means of a suspension and the actual throughput is compared with a defined desired throughput. If the actual throughput and the desired throughput are identical, the hydroerosive treatment is terminated. A counter-pressure that inhibits cavitation of the liquid is built up on the run-off side (13) of the throttle bore (11).

IPC 1-7

**B24B 31/116**

IPC 8 full level

**B24B 31/116** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP US)

**B24B 31/116** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19941472 A1 20010315**; DE 50006321 D1 20040609; EP 1124665 A1 20010822; EP 1124665 B1 20040506; JP 2003508236 A 20030304; US 6575815 B1 20030610; WO 0115859 A1 20010308

DOCDB simple family (application)

**DE 19941472 A 19990901**; DE 0002822 W 20000818; DE 50006321 T 20000818; EP 00971229 A 20000818; JP 2001520256 A 20000818; US 83071601 A 20010905