

Title (en)

Method and apparatus for producing injector valves for internal combustion engines with controlled ignition.

Title (de)

Verfahren und Vorrichtung zur Herstellung von Einspritzventilen für Brennkraftmaschinen mit geregelter Zündung.

Title (fr)

Procédé et dispositif de fabrication de soupapes d'injection pour moteurs à combustion interne avec allumage commandé.

Publication

EP 0282463 A1 19880914 (EN)

Application

EP 88830088 A 19880308

Priority

IT 6718987 A 19870312

Abstract (en)

A method and apparatus for matching a valve body (b) with the relative needle (c) of an injector valve (a) for internal combustion engines with controlled ignition, by means of the measurement, under static conditions, of the rate of flow of a continuously-supplied test liquid through the outlet hole (d) of the valve. The measured value of the rate of flow is compared with a nominal reference value to check whether the percentage difference between the values falls within an acceptable range of variation. If this is not the case, the needle (c) is replaced with another needle selected in dependence on the compared percentage difference, and the test is repeated until a suitable needle is found. A leakage test is then carried out by the admission of a test liquid under pressure into the body (b) with the suitable needle (c) kept in the closed position, and the measurement of the fall in pressure of the liquid supplied after a predetermined time interval.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- GB 2170270 A 19860730 - BOSCH GMBH ROBERT
- GB 1503578 A 19780315 - BOSCH GMBH ROBERT [DE]
- GB 2086984 A 19820519 - BOSCH GMBH ROBERT

Cited by

US6260404B1; EP1767774A1; DE4123787A1; US5383606A; WO9840700A1

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