



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.05.2004 Bulletin 2004/19

(51) Int Cl.7: **F02M 47/02**, F02M 51/06,
F02M 45/08

(43) Date of publication A2:
24.09.2003 Bulletin 2003/39

(21) Application number: **03005939.8**

(22) Date of filing: **17.03.2003**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR**
Designated Extension States:
AL LT LV MK

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(30) Priority: **18.03.2002 JP 2002074149**

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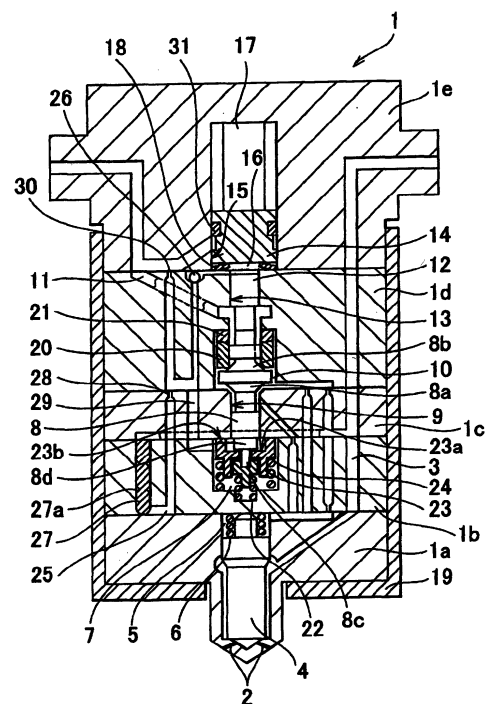
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(54) **Fuel injection valve**

(57) A fuel injection valve (1) provided with a control valve (8) which is displaced in order to control a pressure within a pressure chamber (5) acting upon a jet hole valve (4), an actuator (17) which generates an operation force for displacing the control valve (8), and elastic support means (22) which elastically supports the control valve in resistance to the operation force. The actuator (17) can change the operation force by controlling a control amount, and the elastic support means (22) is displaced along with the control valve (8) in accordance with increase of the operation force. When the control valve (8) is displaced to a chosen intermediate position it abuts with an abutting member (23). This abutting member (23) is pushed by a set pushing force, generated by an elastic member (24) which is separate from the elastic support means (23), which acts in the opposite direction to the operation force prior to the displacement of the abutting member (23). By structuring the fuel injection valve (1) in this way, it is possible to accurately control the control valve (8) such that it has the chosen intermediate displacement.

FIG. 1





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EUROPEAN SEARCH REPORT

Application Number
EP 03 00 5939

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 10 March 2004	Examiner Jackson, S
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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EPO FORM P0159

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