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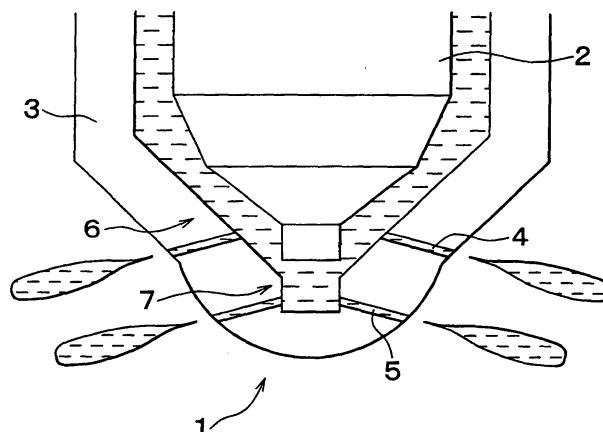
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(54) **Fuel injection control system for internal combustion engine and method**

(57) Control for injecting fuel is performed both through a first nozzle hole (4) and a second nozzle hole (5) by setting a needle valve (2) at a high-lift position in a fuel injector. The fuel injection is performed only through the first nozzle hole (4), not through the second

nozzle hole (5) by setting the needle valve (2) at a low-lift position of the fuel injector. When operation of an internal combustion engine continues for a predetermined period of time under conditions requiring the needle valve (2) to be set in the low-lift position, control for injecting the fuel through the nozzle hole (5) is performed.

FIG. 3





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EUROPEAN SEARCH REPORT

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			F02D F02M
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 July 2004	Examiner Godrie, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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