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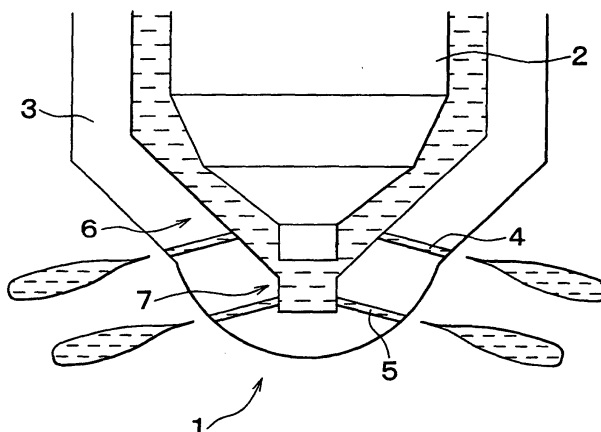
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(54) **Fuel injection control system for internal combustion engine and method**

(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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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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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 22 July 2004	Examiner Godrie, P
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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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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