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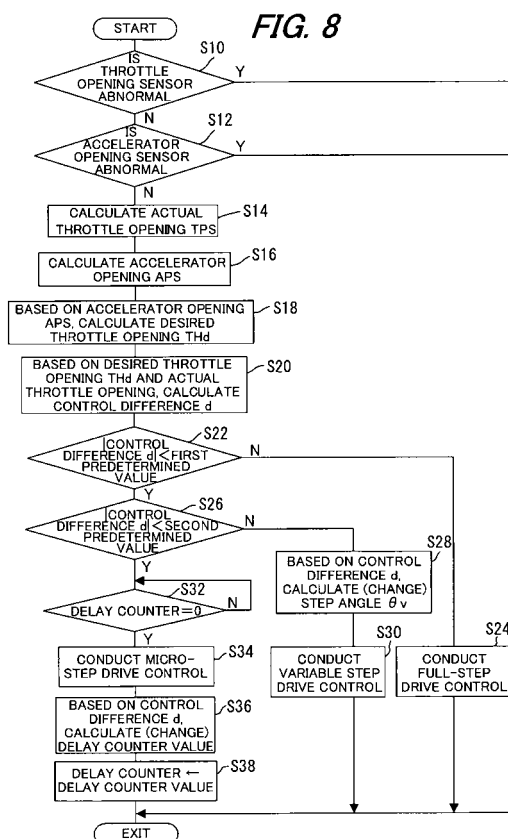
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(54) **Control system for internal combustion engine**

(57) In a system for controlling an internal combustion engine (12) mounted on a vehicle (10) and having an electric motor (44) that drives a throttle valve (24) installed in an intake pipe (22) of the engine and an accelerator (16) installed to be operable by the operator, it is configured to comprise a motor controller that conducts one of a full-step drive control for driving the motor at a full-step angle θ_f , a micro-step drive control for driving the motor at a micro-step angle θ_m which is made by dividing the full-step angle and a variable-step drive control for driving the motor at a step angle θ_v which changes in response to a control difference d between actual throttle opening and desired throttle opening, and controls the operation of the motor so as to decrease the difference (66, S24, S30, S34). With this, it becomes possible to improve response and control accuracy of the throttle valve and also enhances drivability.





EUROPEAN SEARCH REPORT

Application Number
EP 08 25 3562

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	EP 0 831 581 A2 (MATSUSHITA ELECTRIC IND CO LTD [JP]) 25 March 1998 (1998-03-25) * abstract * * page 6, line 36 - page 7, line 50 * * figures 1-4 *	1,2,5,6	
A	DE 44 13 088 A1 (BOSCH GMBH ROBERT [DE]) 19 October 1995 (1995-10-19) * abstract * * column 1, lines 10-37 * * column 4, line 51 - column 5, line 58 * * figures 1,2 *	1,5	<div>TECHNICAL FIELDS SEARCHED (IPC)</div> <div>H02P</div>
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 16 July 2012	Examiner Trotureau, Damien
<div>CATEGORY OF CITED DOCUMENTS</div> <div> 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 </div>			

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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. The members are as contained in the European Patent Office EDP file on
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