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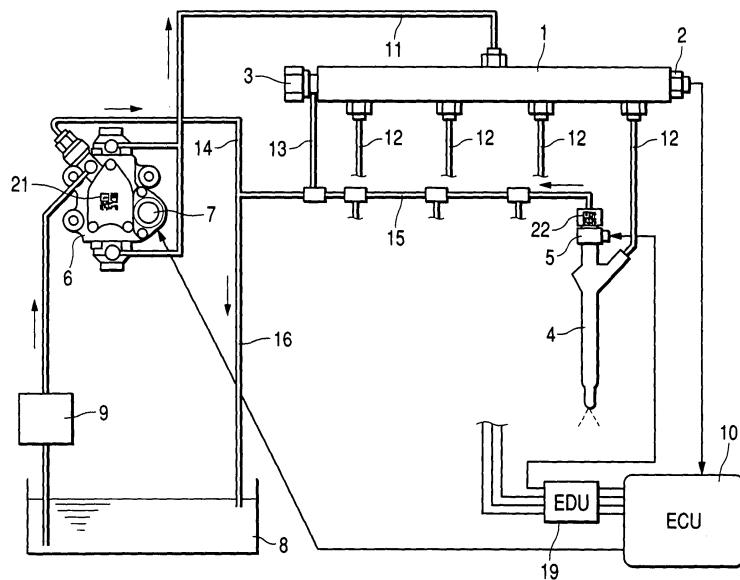
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(54) Fuel injection system for internal combustion engine

(57) In a common-rail fuel injection system, measurement data on a pressure feed rate characteristic, reflecting diverse individual differences among supply pumps (6), is divided into N portions which in turn are ranked and encoded to produce ranked pressure feed rate characteristic codes (21), and one of the ranked codes (21) is distinguishably put or printed on a portion of the pump (6) confirmable or visible from the external.

Moreover, measurement data on a leak rate characteristic, reflecting diverse individual differences of injectors (4), is divided into M portions which in turn are ranked and encoded, and one of the resultant ranked leak rate characteristic codes (22) is distinguishably put or printed on a portion of the injector (4) confirmable from the external. This enables the pressurization performance of the system to be enhanced without requiring a considerable structure alteration of the pump (6).

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	WO 00/63545 A (SIEMENS AUTOMOTIVE CORP LP [US]) 26 October 2000 (2000-10-26) * the whole document * -----	1-6	INV. F02D41/20 F02D41/24 F02M51/06 F02M61/16
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A	US 6 516 658 B1 (MCCOY JOHN C [US] ET AL) 11 February 2003 (2003-02-11) * column 1, line 36 - column 2, line 36 * * claims 1-8 * -----	1-6	
			TECHNICAL FIELDS SEARCHED (IPC)
			F02D F02M
The present search report has been drawn up for all claims			
4	Place of search	Date of completion of the search	Examiner
	Munich	5 November 2008	Calabrese, Nunziante
CATEGORY OF CITED DOCUMENTS		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	
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			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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