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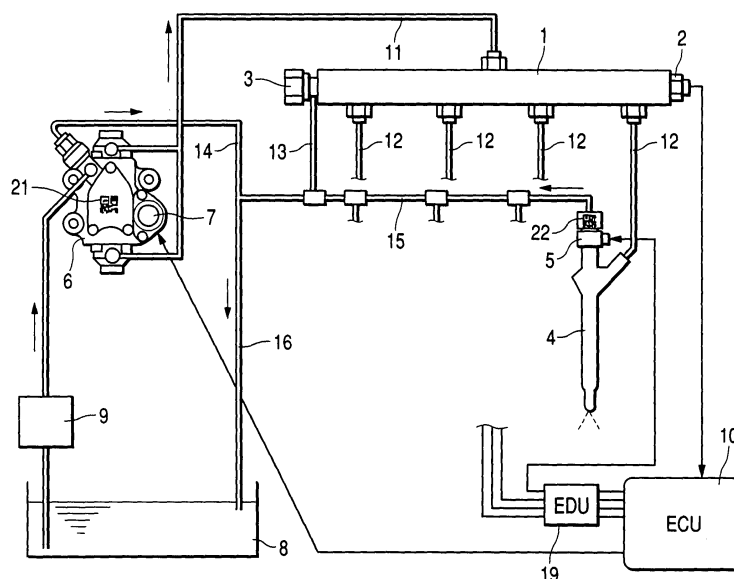
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(54) **Fuel injection system for internal combustion engine**

(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			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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
A	JP 2002 188544 A (DENSO CORP) 5 July 2002 (2002-07-05) * abstract *	1-6	
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			
Place of search Munich		Date of completion of the search 5 November 2008	Examiner Calabrese, Nunziant
<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
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
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