Title: FUEL REFORMING SYSTEM OF A FUEL CELL

Abstract: In a reforming reactor (31), a partial oxidation reaction is performed between a hydrocarbon fuel and air, and in a mixer (32), water is injected into hot gas heated by the partial oxidation reaction to vaporize the water, and the vaporized water is mixed with the hot gas. In a shift reactor (33), the vaporized water is made to undergo a shift reaction with the hot gas. In this way, a device for promoting vaporization of the water or a complex fuel injection device is not required.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 HOIM/06 BOJ12/00 C01B3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
IPC 7 HOIM BO1J C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Relevant to claim No.</th>
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  *S* document member of the same patent family

Date of the actual completion of the international search
7 July 2003

Date of mailing of the international search report
23/07/2003

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European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk
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