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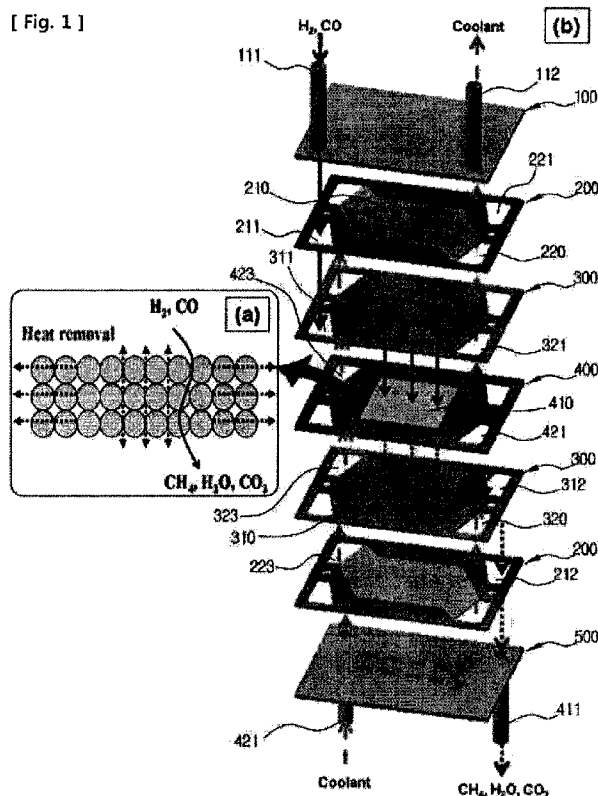
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[Continued on next page]

(54) Title: MICRO-CHANNEL REACTOR FOR PRODUCING SYNTHETIC NATURAL GAS

[Fig. 1]



(57) Abstract: The present invention relates to a micro-channel reactor for producing synthetic natural gas, and more particularly, to a micro-channel reactor for producing synthetic natural gas containing methane gas from synthetic gas, including a porous nickel plate catalyst part.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2011/005506**A. CLASSIFICATION OF SUBJECT MATTER*****B01J 19/00(2006.01)i, B01J 8/02(2006.01)i, C10L 3/08(2006.01)i, B01J 23/755(2006.01)i***

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)

B01J 19/00; B01J 8/02; C07C 27/26; C07C 27/00; C07C 1/04; C07C 27/06

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: microchannel*, porous*, nickel, reactor and methane*

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2010-0160463 A1 (WANG, YONG et al.) 24 June 2010 See abstract, claims 1-59	1,5-9 2-4,10-11
A	US 2007-0004810 A1 (WANG, YONG et al.) 04 January 2007 See whole documents	1-11
A	US 2005-0176832 A1 (TONKOVICH, ANNA LEE et al.) 11 August 2005 See whole documents	1-11
A	US 2004-0220434 A1 (BROPHY, JOHN H. et al.) 04 November 2004 See whole documents	1-11

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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