## 502607326 12/18/2013

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2653731

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	TO CORRECT THE SPELLING OF THE FIRST NAME OF THE FIRST INVENTOR FROM "PARK, JUNG-SOO" PREVIOUSLY RECORDED ON REEL 031773 / FRAME 0041 TO "PARK, JONG-SOO"

### **CONVEYING PARTY DATA**

Name	Execution Date
JONG-SOO PARK	11/07/2013
KYUNG-RAN HWANG	11/07/2013
SHIN-KUN RYI	11/07/2013
CHUN-BOO LEE	11/07/2013
SUNG-WOOK LEE	11/07/2013

### **RECEIVING PARTY DATA**

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State/Country:	KOREA, REPUBLIC OF
Postal Code:	305-343

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14116676

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ATTORNEY DOCKET NUMBER:	3140.0050001

PATENT REEL: 031838 FRAME: 0351 P \$40.00 141

502607326

NAME OF SUBMITTER:	JUDITH U. KIM
Signature:	/JUDITH U. KIM, REG NO. 40,679/
Date:	12/18/2013
Total Attachments: 3 source=3140.0050001 Assignment Cover Sheet#page1.tif source=3140.0050001 Assignment Cover Sheet#page2.tif source=3140.0050001 Assignment Cover Sheet#page3.tif	

PATENT REEL: 031838 FRAME: 0352 502600247 12/12/2013

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2646561

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
JUNG-SOO PARK	11/07/2013
KYUNG-RAN HWANG	11/07/2013
SHIN-KUN RYI	11/07/2013
CHUN-BOO LEE	11/07/2013
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## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14116676

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ATTORNEY DOCKET NUMBER:	3140.0050001
NAME OF SUBMITTER:	JUDITH U. KIM

PATENT REEL: 031838 FRAME: 0353 JF \$40.00 141165/

#### ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventors: Jong-Soo PARK, Kyung-Ran HWANG, Shin-Kun RYI, Chun-Boo LEE, and Sung-Wook LEE, hereby sell and assign to Korea Institute of Energy Research, a corporation formed under the laws of REPUBLIC OF KOREA, whose mailing address is 71-2, Jang-dong, Yuseong-gu, Daejeon, REPUBLIC OF KOREA 305-343 (hereafter referred to as the Assignee), his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages, for the United States of America (as defined in 35 U.S.C. § 100) and throughout the world.

(a) in the invention(s) known as APPARATUS FOR A HYDROCARBON REFORMING USING A MICRO-CHANNEL HEATER for which application(s) for patent in the United States of America has a filing date or a (also known as United States Application No. 371(c) date of 14/116, 876, which is the U.S. national phase of International Application No. PCT/KR2011/009392, International Filing Date December 6, 2011), in any and all applications thereon, in any and all Letters Patent(s) therefor, and

- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including non-provisional applications, continuing (continuation, divisional, or continuation-in-part) applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventors agree to execute all papers necessary in connection with the application(s) and any non-provisional, continuing (continuation, divisional, or continuation-in-

> **PATENT REEL: 031838 FRAME: 0354**

part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventors agree to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any non-provisional, continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventors hereby represent that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventors hereby grant the patent practitioners associated with CUSTOMER NUMBER 26111 the power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned inventors hereby represent that he/she understands that the patent practitioners associated with CUSTOMER NUMBER 26111 are the legal representatives of, and attorneys for, the assignee, and are <u>NOT</u> the legal representatives of, and attorneys for, the inventors.

IN WITNESS WHEREOF, executed by the undersigned inventors on the date opposite his/her name.

Signature of Inventor:
Jong-Soo PARK
Signature of Inventor: HWANGT Kyung-Ran
Kyung-Ran HWANG
Signature of Inventor: Shin-Kun 12YI
Shin-Kun RYI
Signature of Inventor
Chun-Boo LEE
Signature of Inventor:
Sung-Wook LEE

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