

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2814584

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEOK WOO CHUNG	02/03/2014
SEUNG JONG LEE	02/03/2014
DAE SUNG KIM	02/03/2014
YONGSEUNG YUN	02/03/2014
JIN WOOK LEE	02/03/2014
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14343113
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DATE SIGNED:	04/15/2014
Total Attachments: 3	
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source=629255-8_Assignment#page2.tif	

ASSIGNMENT

WHEREAS, I/we Yong Seung YUN of Institute for Advanced Engineering, 526, Namdaemunno 5-ga, Jung-gu, Seoul 100-095, Republic of Korea, Jin Wook LEE of Institute for Advanced Engineering, 526, Namdaemunno 5-ga, Jung-gu, Seoul 100-095, Republic of Korea, Seung Jong LEE of Institute for Advanced Engineering, 526, Namdaemunno 5-ga, Jung-gu, Seoul 100-095, Republic of Korea, Seok Woo CHUNG of Institute for Advanced Engineering, 526, Namdaemunno 5-ga, Jung-gu, Seoul 100-095, Republic of Korea and Dae Sung KIM of Korea Western Power Co., 152, Teheranro, Gangnam-gu, Seoul 135-984, Republic of Korea ("Assignors"), are the inventor(s) of an invention entitled "NON-MELT AND PARTIAL MELT TYPE ENTRAINED FLOW BED GASIFIER" that is the subject matter of: (check all that apply)

- an application for Letters Patent which claims the priority of Korean Patent Application No. 10-2012-0047535 filed on May 4, 2012.
- an application made under the Patent Cooperation Treaty which is identifiable at WIPO by Application No. PCT/KR2013/003598 filed on April 26, 2013,
- an application for Letters Patent which is identifiable in the Patent Office of the U.S. by Application No. 14/343,113 filed on March 6, 2014;

WHEREAS, INSTITUTE FOR ADVANCED ENGINEERING a corporation organized and existing under the laws of Republic of Korea ("Assignee"), and having offices at 526, Namdaemunno 5-ga, Jung-gu, Seoul 100-095, Republic of Korea is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection

- in the United States
 in all other countries or jurisdictions;

"NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged,

- a) I/we agree to transfer, and
b) I/we do hereby transfer,

to Assignee, its successors and assigns, effective as of March 6, 2013 *nunc pro tunc*, my/our entire right, title and interest in the above named countries and jurisdictions in and to the following including the right to sue for past infringement: the invention, the above-identified applications, all applications from which any of the above-identified applications claim priority, corresponding U.S. and non-U.S. applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention, and I/we authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee."

I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in the above named countries and jurisdictions and appoint Assignee the common representative in the above identified international application and any international application for the invention.

I/We represent to the Assignee, its successors and assigns, that I/we shall not execute any writing or do any act whatsoever conflicting with this Assignment. I/We, my/our executors or administrators, will at any time

upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, including without limitation providing testimony in any related interference, litigation or proceeding. To the extent that I/we, my/our executors or administrators are unable or unavailable to execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries and jurisdictions, I/we, my/our executors or administrators hereby authorize Assignee, its successors and assigns to act on my/our behalf/behaves.

If any provision(s) of this Assignment are held unenforceable or in conflict with the law of any jurisdiction, the validity of the remaining provisions will not be affected by such holding and the part held unenforceable in or in conflict with the law of one jurisdiction will remain in effect for other jurisdictions until held unenforceable or in conflict with the law of that jurisdiction.

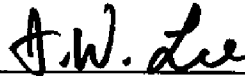


Yongseung YUN

(Inventor / Assignor)

Feb. 3rd, 2014

Date



Jin Wook LEE

(Inventor / Assignor)

Feb. 3rd, 2014

Date

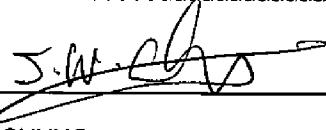


Seung Jong LEE

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Feb. 3rd, 2014

Date

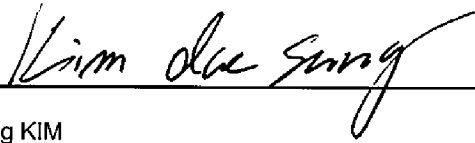


Seok Woo CHUNG

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Dae Sung KIM

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Date