

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHANG HA LEE	03/08/2014
JAE HYUK LEE	03/08/2014
TRAN TAN VIET	03/08/2014
IK SUNG AHN	03/07/2014
DOO WOOK KIM	03/08/2014
RECEIVING PARTY DATA	
Name:	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY
Street Address:	50 YONSEI-RO, SINCHON-DONG
Internal Address:	SEODAEMUN-GU
City:	SEOUL
State/Country:	REPUBLIC OF KOREA
Postal Code:	120-743
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14367659
CORRESPONDENCE DATA	
Fax Number:	(617)542-2241
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	617-542-6000
Email:	jlsteinfield@mintz.com
Correspondent Name:	MINTZ LEVIN USPTO
Address Line 1:	ONE FINANCIAL CENTER
Address Line 4:	BOSTON, MASSACHUSETTS 02111
ATTORNEY DOCKET NUMBER:	46278-514N01US
NAME OF SUBMITTER:	LINYU L. MITRA
SIGNATURE:	/Linyu L. Mitra/
DATE SIGNED:	06/25/2014
Total Attachments: 4	

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ASSIGNMENT

We, **Chang Ha LEE, Jae Hyuk LEE, Tran Tan VIET, Ik Sung AHN, Doo Wook KIM** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY**, with offices at **50 Yonsei-ro, Sinchon-dong, Seodaemun-gu, Seoul 120-743, Republic of Korea**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

SIMULTANEOUS PRETREATMENT METHOD OF HEAVY HYDROCARBON DISTILLATE AND LIGNOCELLULOSIC BIOMASS USING SOLVENT

filed with the U.S. Patent and Trademark Office on 6/20/2014 and assigned U.S. Application No. 14/367,659, as a United States National Phase application based on the International Application No **PCT/KR2012/011721**, filed on **December 28, 2012**, designating the United States, which claims priority to, and/or the benefit of, **Republic of Korea** Application No. **10-2011-0146959**, filed on **December 30, 2011**, Application No. **10-2012-0153418**, filed on **December 26, 2012** and including any subsequently filed applications in any country of the world, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications thereof; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

First Inventor : Chang Ha LEE
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We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 03/08/14 CH Lee
Signature of: Chang Ha LEE

IN WITNESS WHEREOF, I, Swee PARK, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Swee PARK
(Signature of Witness)

Date: March 8, 2014

First Inventor : Chang Ha LEE
Application No. : 14/367,659
Filed : June 20, 2014
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Date: 03/08/14 _____
Signature of: Jae Hyuk LEE

IN WITNESS WHEREOF, I, Suhee PARK, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

Suhee PARK
(Signature of Witness)
Date: March 8, 2014

Date: 03/08/14 _____
Signature of: Tran Tan VIET

IN WITNESS WHEREOF, I, Suhee PARK, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

Suhee PARK
(Signature of Witness)
Date: March 8, 2014

First Inventor : Chang Ha LEE
Application No. : 14/367,659
Filed : June 20, 2014
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Date: 03/07/14 _____
Signature of: Ik Sung AHN

IN WITNESS WHEREOF, I, Swhee PARK, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

Swhee PARK
(Signature of Witness)

Date: March 7, 2014

Date: 03/08/14 _____
Signature of: Doo Wook KIM

IN WITNESS WHEREOF, I, Swhee PARK, hereby declare
(Printed Name of Witness)
that I was personally present and did see the above named person duly sign and execute the assignment.

SwheepARK
(Signature of Witness)

Date: March 8, 2014