

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yeoung-Sang Yun	10/12/2011
Sung Wook Won	10/12/2011
Sun Beom Choi	10/12/2011
Sok Kim	10/12/2011
Juan Mao	10/12/2011
In-Seob Kwak	10/12/2011
Jiyeong Park	10/12/2011
Myung Hee Song	10/12/2011
Min A. Bae	10/12/2011
Shi Yn Lee	10/12/2011
Sneha Krishnamurthy	10/12/2011
Thi Phuong Thuy Pham	10/12/2011
Chul Woong Cho	10/12/2011

RECEIVING PARTY DATA

Name:	Industrial Cooperation Foundation Chonbuk National University
Street Address:	664-14, Deokjin-dong 1ga, Deokjin-gu
City:	Jeonju Jeonbuk
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF
Postal Code:	561-756

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13264216

CORRESPONDENCE DATA

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OP \$40.00 13264216

501689938

PATENT
REEL: 027056 FRAME: 0059

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

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340905-1050

NAME OF SUBMITTER:

M. Paul Qualey, Jr.

Total Attachments: 7

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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

Name	Adress
YUN, Yeoung-Sang	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
WON, Sung Wook	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
CHOI, Sun Beom	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
KIM, Sok	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
MAO, Juan	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
KWAK, In-Seob	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
PARK, Jiyeong	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
SONG, Myung Hee	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
BAE, Min A	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
LEE, Shi Yn	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
KRISHNAMURTHY, Sneha	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
PHAM, Thi Phuong Thuy	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea
CHO, Chul Woong	Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

SURFACE-MODIFIED BIOMASS, PREPARATION METHOD THEREOF, AND METHOD FOR RECOVERING VALUABLE METALS USING THE SAME
which was :

- ☒ executed on even date herewith,
- ☐ filed with the United States Patent and Trademark Office (USPTO) on _____, and assigned Serial No., and
- ☐ further described in application, filed with the on _____, and assigned Serial No. _____.

WHEREAS Industrial Cooperation Foundation Chonbuk National University, having a place of business at Environmentalbiotechnology Laboratory, Division of Engineering of Jeonbuk National Univ. 664-14, Deokjin-dong 1 ga, Deokjin-gu, Jeonju Jeonbuk 561-756 Republic of Korea, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.



YUN, Yeoung-Sang

Date: 10/12/2011

Witness:



WON, Sung Wook

Date: 10/12/2011

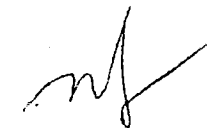
Witness:



CHOI, Sun Beom

Date: 10/12/2011

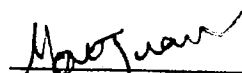
Witness:



KIM, Sok

Date: 10/12/2011


Witness:



MAO, Juan

Date: 10/12/2011


Witness:



KWAK, In-Seob

Date: 10/12/2011

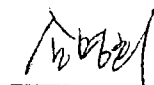
Witness:



PARK, Jiyeong

Date: _____

Witness:



SONG, Myung Hee

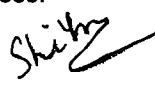
Date: 10/12/2011

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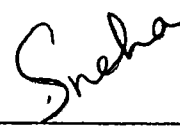
BAE, Min A

Date: 10/12/2011

Witness:


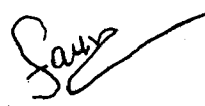
LEE, Shi Yn

Date: 10/12/2011

Witness:


KRISHNAMURTHY, Sneha

Date: 10/12/2011

Witness:


PHAM, Thi Phuong Thuy

Date: 10/12/2011

Witness:

Date: 10/12/2011

Chulwoong
CHO, Chul Woong

Witness: