

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hang-Seok CHOI</td><td>11/22/2011</td></tr><tr><td>Yeon-Seok CHOI</td><td>11/22/2011</td></tr><tr><td>Seock-Joon KIM</td><td>11/22/2011</td></tr><tr><td>Hun-Che PARK</td><td>11/22/2011</td></tr><tr><td>So-Young HAN</td><td>11/22/2011</td></tr></tbody></table>	Name	Execution Date	Hang-Seok CHOI	11/22/2011	Yeon-Seok CHOI	11/22/2011	Seock-Joon KIM	11/22/2011	Hun-Che PARK	11/22/2011	So-Young HAN	11/22/2011	
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RECEIVING PARTY DATA													
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City:	Daejeon												
State/Country:	REPUBLIC OF KOREA												
Postal Code:	305-343												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13322550</td></tr></tbody></table>	Property Type	Number	Application Number:	13322550									
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Application Number:	13322550												
CORRESPONDENCE DATA													
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NAME OF SUBMITTER:	Jongwon Kim												
Total Attachments: 2 source=PPP20112479US_ASSIGN#page1.tif source=PPP20112479US_ASSIGN#page2.tif													

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PATENT  
REEL: 027288 FRAME: 0312

# ASSIGNMENT

DOCKET NO.

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

**ASSIGNEE: KOREA INSTITUTE OF MACHINERY & MATERIALS**

**ADDRESS: 171 Jang-dong, Yuseong-gu, Daejeon 305-343, Republic of Korea**

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

**TITLE: DEVICE FOR PREPARING BIO-OIL, SYSTEM FOR PREPARING BIO-OIL AND METHOD FOR PREPARING BIO-OIL USING THE SAME**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. \_\_\_\_\_, or is more particularly identified as:

- ☒ executed on even date herewith, or  
☐ Serial No. \_\_\_\_\_ filed in the U.S. Patent & Trademark Office on \_\_\_\_\_  
or  
☐ executed on \_\_\_\_\_.

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said \_\_\_\_\_, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

And I 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.

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request the practitioners associated with Customer No. 66390 of LEXYOLUME IP Group, PLLC as my attorney(s) or agent(s) to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	Date Signed	Witness(es)
1) <u>H.S. Choi</u> CHOI, Hang-Seok	<u>2011.11.22</u>	_____
2) <u>Y.S. Choi</u> CHOI, Yeon-Seok	<u>2011.11.22</u>	_____
3) <u>J. Kim</u> KIM, Seock-Joon	<u>2011.11.22</u>	_____
4) <u>P. Park</u> PARK, Hun-Che	<u>2011.11.22</u>	_____
5) <u>S.Y. Han</u> HAN, So-Young	<u>2011.11.22</u>	_____