

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL A. LILGA	07/16/2014
GUO-SHUH LEE	07/22/2014
SUH-JANE LEE	07/15/2014
RECEIVING PARTY DATA	
Name:	BATTELLE MEMORIAL INSTITUTE
Street Address:	902 BATTELLE BOULEVARD
City:	RICHLAND
State/Country:	WASHINGTON
Postal Code:	99354
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14678729
CORRESPONDENCE DATA	
Fax Number:	(503)595-5301
<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:	503 595 5300
Email:	carolyn.schlabach@klarquist.com
Correspondent Name:	KLARQUIST SPARKMAN, LLP
Address Line 1:	121 SW SALMON STREET
Address Line 2:	SUITE 1600
Address Line 4:	PORTLAND, OREGON 97204
ATTORNEY DOCKET NUMBER:	23-90341-03
NAME OF SUBMITTER:	GILLIAN GARDNER
SIGNATURE:	/Gillian Gardner/
DATE SIGNED:	04/29/2015
Total Attachments: 4	
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ASSIGNMENT

WHEREAS, we, Michael A. Lilga, of Richland, Washington, Guo-Shuh Lee, of Richland, Washington, and Suh-Jane Lee, of Richland, Washington, have invented a certain invention, entitled CONVERSION OF 2,3-BUTANEDIOL TO 2-BUTANOL, OLEFINS AND FUELS, which invention is at least partially disclosed in U.S. Provisional Patent Application No. 61/975,568, filed on April 4, 2014, the invention and application collectively referred to hereinafter as "the Invention;" and


WHEREAS, Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the Invention and in any patent or any patents to be obtained therefor:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Michael A. Lilga, Guo-Shuh Lee, and Suh-Jane Lee, hereby sell, assign, and transfer to Battelle Memorial Institute, the full and exclusive right, title, and interest in and to the Invention, patent application, and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; the Invention, patent application, and letters patent in this or any foreign country, and all corresponding non-provisional applications, divisions, continuations, continuations-in-part, reissues, and extensions thereof, to be held and enjoyed by Battelle Memorial Institute, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted by the United States or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to Battelle Memorial Institute, or its successors and assigns, any facts known to us respecting the Invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do everything possible to aid Battelle Memorial Institute, its successors, and assigns to obtain and enforce proper patent protection for the Invention in the United States or any foreign country.

We confirm that, at the time the invention was made, we were under an obligation to assign the Invention to Battelle Memorial Institute.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.


Michael A. Lila

At Richland, Washington
(City and State)
on this 16th day of July, 2014.

STATE OF)
)
COUNTY OF) ss.

This 16th day of July, 2014, before me personally came the above-named Michael A. Lilga, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Michael A. Lilga's own free will for the purpose set forth therein.

Kelli X Zadie
Notary Public for Washington
My commission expires: 1/29/16



At Richland, WA

Guo-Shuh Lee
Guo-Shuh Lee

on this 22 day of July (City and State)
2014.

STATE OF Washington)
COUNTY OF Penton) ss.

This 22 day of July, 2014, before me personally came the above-named Guo-Shuh Lee, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Guo-Shuh Lee's own free will for the purpose set forth therein.

Josie Gonzalez
Notary Public for
My commission expires: 3/4/2015

[SEAL]



At

Richland, WA
(City and State)

on this 15 day of July, 2014.

STATE OF Washington)

COUNTY OF Benton)

ss.

This 15 day of July, 2014, before me personally came the above-named Suh-Jane Lee, who executed the foregoing instrument in my presence, and who acknowledged to me that this instrument was executed by Suh-Jane Lee's own free will for the purpose set forth therein.

Notary Public for

My commission expires:

3/4/2015

[SEAL]

