

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5496854

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	10/27/2016
CONVEYING PARTY DATA	
Name	Execution Date
CHUNBAO XU	11/04/2016
LALEH NAZARI	11/02/2016
MADHUMITA B. RAY	11/03/2016
RECEIVING PARTY DATA	
Name:	THE UNIVERSITY OF WESTERN ONTARIO
Street Address:	C/O WORLDISCOVERIES BUSINESS DEVELOPMENT OFFICE
Internal Address:	100 COLLIP CIRCLE, SUITE 105
City:	LONDON, ON
State/Country:	CANADA
Postal Code:	N6G 4X8
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16345811
CORRESPONDENCE DATA	
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<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:	703-739-9888
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Correspondent Name:	DOWELL & DOWELL, P.C.
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ATTORNEY DOCKET NUMBER:	20619NP
NAME OF SUBMITTER:	JEREMY W. MILLER, REG. NO. 72995
SIGNATURE:	/Jeremy W. Miller/
DATE SIGNED:	04/29/2019
Total Attachments: 6	
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WORLDWIDE ASSIGNMENT

WE, **Chunbao XU, Laleh NAZARI and Madhumita B. RAY**, whose full post office addresses are, 44 Virginia Crescent, London, Ontario N5X 3E8, Canada, 705-200 Westfield Drive, London, Ontario N6H 2M4, Canada and 2053 Quarrier Road, London, Ontario N6G 5L8, Canada, respectively, have invented, **HYDROTHERMAL LIQUEFACTION CO-PROCESSING OF WASTEWATER SLUDGE AND LIGNOCELLULOSIC BIOMASS FOR CO-PRODUCTION AND BIO-GAS AND BIO-OILS**, for which the International PCT patent application was filed::

Filing Date: October 27, 2016

Serial No. PCT/CA2016/051239

in consideration of Two Dollars (\$2.00) paid to us, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, WE by these presents confirm that WE have sold, transferred and assigned and do hereby sell, transfer and assign to **THE UNIVERSITY OF WESTERN ONTARIO**, ("Assignee"), having offices at, c/o WORLDDiscoveries Business Development Office, 100 Collip Circle, Suite 105, London, Ontario N6G 4X8, Canada, its successors and assigns or nominees, all OUR rights, title and interest in all the countries of the world in and to OUR invention as fully described and claimed in the International PCT patent application, and WE sell, assign and transfer to **THE UNIVERSITY OF WESTERN ONTARIO**, all OUR rights to apply for patent on said invention in all the countries of the world including any and all full utility applications, divisions, continuations, continuation-in-part, re-examinations, renewals, reissues and/or extensions thereof, any design applications originating therefrom, International PCT patent applications and all national phase applications and all OUR corresponding rights, title and interest in and to any patent which may issue therefor in all the countries of the world, to have and to hold for **THE UNIVERSITY OF WESTERN ONTARIO**'s own use and **THE UNIVERSITY OF WESTERN ONTARIO**'s successors and assigns as fully and entirely as the same might be enjoyed by **Chunbao XU, Laleh NAZARI and Madhumita B. RAY** if this sale had not been made.

AND WE UNDERTAKE to sign such further documents to effect the aforesaid sale, assignment and transfer as may be required from time to time, without reimbursement, but at the expense of **THE UNIVERSITY OF WESTERN ONTARIO**.

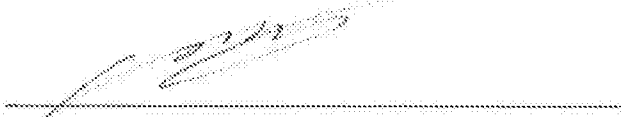
AND WE authorize HILL & SCHUMACHER, Patent and Trademark Agents, of 264 Avenue Road, Toronto, Ontario M4V 2G7, Canada to enter the particulars of the signature and particulars of the Declaration when missing.

The agreement shall be retroactive *nunc pro tunc* to the filing date of the PCT application such that the effective date of this agreement is **October 27, 2016**.

This assignment can be signed in counterparts.

Signed at (city/town) London, Ontario

This 4th day of November, 2016.



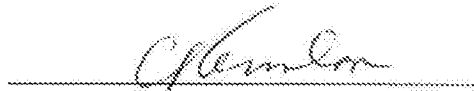
Chunbao XU

DECLARATION OF WITNESS

I, CARISONE RAMSDEN, whose full post office address is 2236 WOODLAND RD, LONDON, hereby declare that I was personally present and did see **Chunbao XU** who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) LONDON

This 4 day of NOVEMBER, 2016.



(Signature of Witness)

Signed at (city/town) London

This 2nd day of November, 2016.



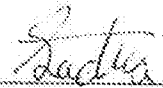
Laleh NAZARI

DECLARATION OF WITNESS

I, Sadra Souzanchi, whose full post office address is 705-200 Westfield Dr., London, Ontario N6H 2M4, hereby declare that I was personally present and did see Laleh NAZARI who is personally known to me to be the person named in the above assignment duly sign and execute the same.

DECLARED at (city/town) London, ON

This 2nd day of November, 2016.



(Signature of Witness)

Signed at (city/town) LONDON, ON

This 3 day of November, 2016.

Madhumita B. Ray

Madhumita B. RAY

DECLARATION OF WITNESS

I, Myriam Delgado, whose full post office address
is Thompson Engineering Building - Rm 477 B, hereby
declare that I was personally present and did see Madhumita B. RAY who is personally
known to me to be the person named in the above assignment duly sign and execute
the same.

DECLARED at (city/town) London, ON

This 3 day of November, 2016.

[Signature]
(Signature of Witness)

ACCEPTANCE

The Assignee accepts this assignment.

Signed at (city/town) LONDON

This 4th day of November, 2016.

THE UNIVERSITY OF WESTERN ONTARIO

Signature: [Handwritten Signature]

Name: Lisa Cecchetto

Position: Executive Director, World Discoveries

DECLARATION OF WITNESS

I, Nadine Weedmark, whose full post office address is 100 Collip Circle, Suite 105, LONDON, ON N6G 4X8, hereby declare that I was personally present and did see, _____, who is personally known to me to be the person that has duly signed and executed the above assignment on behalf of THE UNIVERSITY OF WESTERN ONTARIO.

DECLARED at (city/town) LONDON

This 4th day of November, 2016.

[Handwritten Signature]
(Signature of Witness)