

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Loan Phuong Tran</td> <td>03/03/2013</td> </tr> <tr> <td>Shane Fleming</td> <td>03/01/2013</td> </tr> <tr> <td>Sean Dennis Simpson</td> <td>01/25/2013</td> </tr> <tr> <td>Christophe Daniel Mihalcea</td> <td>01/26/2013</td> </tr> <tr> <td>FungMin Liew</td> <td>01/26/2013</td> </tr> <tr> <td>Jennifer Mon Yee Fung</td> <td>01/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Loan Phuong Tran	03/03/2013	Shane Fleming	03/01/2013	Sean Dennis Simpson	01/25/2013	Christophe Daniel Mihalcea	01/26/2013	FungMin Liew	01/26/2013	Jennifer Mon Yee Fung	01/19/2013
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FungMin Liew	01/26/2013														
Jennifer Mon Yee Fung	01/19/2013														
RECEIVING PARTY DATA															
Name:	LANZATECH NEW ZEALAND LIMITED														
Street Address:	24 Balfour Road														
City:	Parnell Auckland														
State/Country:	NEW ZEALAND														
Postal Code:	1052														
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>13777806</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13777806										
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CORRESPONDENCE DATA															
Fax Number:	6304393066														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	224-244-2414														
Email:	Frank.Molinaro@lanzatech.com														
Correspondent Name:	Frank S. Molinaro														
Address Line 1:	725-C East Irving Park Road														
Address Line 4:	Roselle, ILLINOIS 60172														
ATTORNEY DOCKET NUMBER:	LT20US2														
NAME OF SUBMITTER:	Jemma Gullen														

CH \$40.00 13777806

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

**A PROCESS FOR PRODUCING CHEMICALS USING MICROBIAL FERMENTATION OF
SUBSTRATES COMPRISING CARBON MONOXIDE**

for which application for patent in the United States:

___ has been executed on even date herewith;

___ was executed on _____;

X ___ was filed on 26 Feb 13 and assigned 13/77, 80;

AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for patent (the "Application"), (ii) all inventions disclosed in the Application, (iii) any and all applications for patent throughout the world directed to the subject matter of the Application, (iv) the right of priority arising from the Application or from such other applications, under the Paris Convention for the Protection of Industrial Property or under relevant laws, treaties, conventions or bilateral and multilateral agreements, in any jurisdiction, (v) any and all patents throughout the world resulting from the Application or such other application(s) for patents, and (vi) any and all claims against third parties in connection with any of the rights assigned by this Agreement;

AND WHEREAS, LanzaTech New Zealand Limited, a New Zealand Company having a place of business at 24 Balfour Road, Parnell, Auckland, 1052 New Zealand its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring ASSIGNOR's entire right, title, and interest in and to and resulting from said Assigned Property and in general all property rights included therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE ASSIGNOR's entire right, title and interest in and to and resulting from the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said patent to ASSIGNEE for the sole use and benefit of ASSIGNEE; ASSIGNEE hereby accepts such transfer and assignment;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

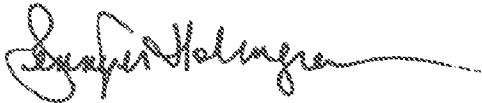
AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR's heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

This assignment shall be construed, governed, interpreted and applied in accordance with the laws of the State of Delaware, United States of America.

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:

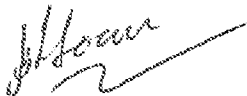


Jennifer Holmgren
Chief Executive Officer
LanzaTech New Zealand Limited

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Sean Dennis Simpson

Date: _____



Loan Phuong Tran

Date: 4/3/2013

Christophe Daniel Mihalcea

Date: _____

Jennifer Mon Yee Fung

Date: _____

FungMin Liew


Date: _____

Shane Fleming

Date: _____

ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Jennifer Holmgren
Chief Executive Officer
LanzaTech New Zealand Limited

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Sean Dennis Simpson

Date: _____

Loan Phuong Tran

Date: _____

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Date: _____

Jennifer Mon Yee Fung

Date: _____

FungMin Liew

Date: _____

Shane Fleming



Date: 1/3/2013

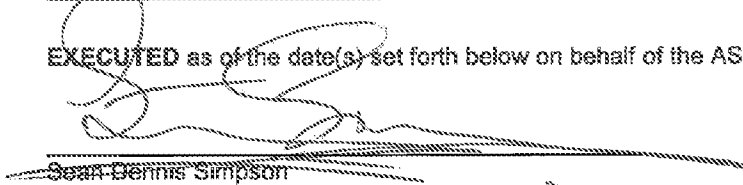
ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Jennifer Holmgren
Chief Executive Officer
LanzaTech New Zealand Limited

EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:


Sean Dennis Simpson

Date: 25/01/13

Loan Phuong Tran

Date: _____


Christophe Daniel Mihalcea

Date: 26/01/13

Jennifer Mon Yee Fung

Date: _____


FungMin Liew

Date: 26/01/13

ASSIGNMENT

EXECUTED on behalf of ASSIGNEE and effective as of the latest date of the ASSIGNOR signature(s) below:



Jennifer Holmgren
Chief Executive Officer
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EXECUTED as of the date(s) set forth below on behalf of the ASSIGNOR:

Sean Dennis Simpson

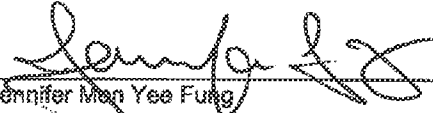
Date: _____

Loan Phuong Tran

Date: _____

Christophe Daniel Mihalcea

Date: _____



Jennifer Man Yee Fung

Date: 1/19/12