

## 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>Michael Anthony Schultz</td> <td>08/20/2012</td> </tr> <tr> <td>James Obern</td> <td>08/09/2012</td> </tr> <tr> <td>Sean Dennis Simpson</td> <td>08/29/2012</td> </tr> </tbody> </table>	Name	Execution Date	Michael Anthony Schultz	08/20/2012	James Obern	08/09/2012	Sean Dennis Simpson	08/29/2012	
Name	Execution Date								
Michael Anthony Schultz	08/20/2012								
James Obern	08/09/2012								
Sean Dennis Simpson	08/29/2012								
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									
Property Type	Number								
Application Number:	13497969								
CORRESPONDENCE DATA									
Fax Number:	6304393066								
Phone:	224-244-2414								
Email:	Frank.Molinaro@lanzatech.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Frank S. Molinaro								
Address Line 1:	725-C East Irving Park Road								
Address Line 4:	Roselle, ILLINOIS 60172								
ATTORNEY DOCKET NUMBER:	LT52US								
NAME OF SUBMITTER:	Jemma Gullen								
Total Attachments: 4 source=LT52US_Assignment#page1.tif source=LT52US_Assignment#page2.tif source=LT52US_Assignment#page3.tif source=LT52US_Assignment#page4.tif									

CH \$40.00 13497969

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

**METHODS AND SYSTEMS FOR THE PRODUCTION OF HYDROCARBON PRODUCTS**

for which application for patent in the United States:

\_\_\_\_\_ has been executed on even date herewith;  
\_\_\_\_\_ was executed on \_\_\_\_\_;  
x\_\_\_\_\_ was filed on 21 October 2011 and assigned 13/497,969;

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:

\_\_\_\_\_  
Michael Anthony Schultz

Date: \_\_\_\_\_

\_\_\_\_\_  
James Obern

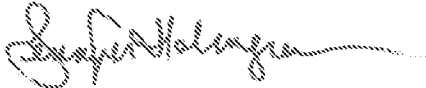
Date: \_\_\_\_\_

  
\_\_\_\_\_  
Sean Dennis Simpson

Date: 30/07/12

ASSIGNMENT

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

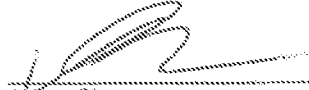


Jennifer Holman  
Chief Executive Officer  
LanzaTech New Zealand Limited

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

\_\_\_\_\_  
Michael Anthony Schultz

Date: \_\_\_\_\_

  
\_\_\_\_\_  
James O'Brien

Date: 29<sup>th</sup> August 2012

\_\_\_\_\_  
Sean Dennis Simpson

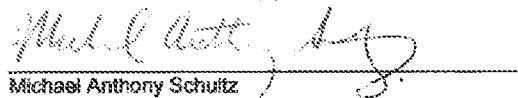
Date: \_\_\_\_\_

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



Jennifer Holmoran  
Chief Executive Officer  
LanzaTech New Zealand Limited

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

  
Michael Anthony Schultz

Date: 20 Aug 2012

\_\_\_\_\_  
James Obern

Date: \_\_\_\_\_

\_\_\_\_\_  
Sean Dennis Simpson

Date: \_\_\_\_\_