

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM420517

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Venture Lending & Leasing VI, Inc.		03/20/2017	Corporation:
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	LanzaTech New Zealand Limited		
<b>Street Address:</b>	Brooke House, 24 Balfour Road		
<b>City:</b>	Auckland		
<b>State/Country:</b>	NEW ZEALAND		
<b>Postal Code:</b>	1052		
<b>Entity Type:</b>	Limited Corporation: NEW ZEALAND		
<b>Name:</b>	LanzaTech, Inc.		
<b>Street Address:</b>	8045 Lamon Avenue		
<b>Internal Address:</b>	Suite 400		
<b>City:</b>	Skokie		
<b>State/Country:</b>	ILLINOIS		
<b>Postal Code:</b>	60077		
<b>Entity Type:</b>	Corporation: DELAWARE		
<b>Name:</b>	LanzaTech Freedom Pines Biorefinery LLC		
<b>Street Address:</b>	535 Commerce Drive		
<b>City:</b>	Soperton		
<b>State/Country:</b>	GEORGIA		
<b>Postal Code:</b>	30457		
<b>Entity Type:</b>	Limited Liability Company: DELAWARE		
<b>Name:</b>	LanzaTech Hong Kong Limited		
<b>Street Address:</b>	6F Alexandra House		
<b>Internal Address:</b>	18 Chater Road		
<b>City:</b>	Central		
<b>State/Country:</b>	HONG KONG		
<b>Entity Type:</b>	Limited Corporation: HONG KONG		
<b>Name:</b>	LanzaTech Private Limited		
<b>Street Address:</b>	515-517, 5th Floor, Tower A		

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<b>Internal Address:</b>	Spaze i-Tech Park, Sector-49
<b>City:</b>	Sohna Road, Gurgaon, Haryana
<b>State/Country:</b>	INDIA
<b>Postal Code:</b>	122002
<b>Entity Type:</b>	Private Limited Company: INDIA

**PROPERTY NUMBERS Total: 10**

Property Type	Number	Word Mark
Serial Number:	77659671	LANZATECH
Serial Number:	77659675	LANZATECH
Serial Number:	77659680	LANZATECH
Serial Number:	77659686	LANZATECH
Serial Number:	85227015	LANZATECH
Serial Number:	85227036	LANZATECH
Serial Number:	85227060	
Serial Number:	85563695	FREEDOM PINES
Serial Number:	85594314	FREEDOM PINES BIOREFINERY
Serial Number:	85594338	

**CORRESPONDENCE DATA**

**Fax Number:** 2026626291

*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.*

**Phone:** (202) 662-6000

**Email:** jaugsburger@cov.com

**Correspondent Name:** Covington & Burling LLP

**Address Line 1:** One CityCenter, 850 Tenth Street, NW

**Address Line 2:** Attn: Patent Docketing

**Address Line 4:** Washington, D.C. 20001

<b>ATTORNEY DOCKET NUMBER:</b>	034791.00002
<b>NAME OF SUBMITTER:</b>	Jennifer Augsburger
<b>SIGNATURE:</b>	/jennifer augsburger/
<b>DATE SIGNED:</b>	03/21/2017

**Total Attachments: 4**

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**RELEASE OF INTELLECTUAL PROPERTY SECURITY AGREEMENT**

WHEREAS, pursuant to that certain Intellectual Property Security Agreement, dated as of September 14, 2012, (as the same has been and may be amended, restated, supplemented and modified from time to time, the "Intellectual Property Security Agreement"), recorded at the United States Patent and Trademark Office at (i) Reel 004864; Frame 0172, (ii) Reel 028991; Frame 0471 (iii) Reel 029722; Frame 0007; and (iv) Reel 033849; Frame 0572 LANZATECH NEW ZEALAND LIMITED, LANZATECH, INC., LANZATECH FREEDOM PINES BIOREFINERY LLC, LANZATECH HONG KONG LIMITED and LANZATECH PRIVATE LIMITED, ("Releasees"), pledged and granted to VENTURE LENDING & LEASING VI, INC. ("Releasor"), a security interest and lien in and to (i) those certain trademarks, including all federal applications and/or registrations therefor, together with the goodwill of the business connected with the use of and symbolized thereby, including those listed on Exhibit 1 hereto and (ii) those certain patents, including all federal applications and/or registrations therefor, together with the goodwill of the business connected with the use of and symbolized thereby, including those listed on Exhibit 2 hereto and all proceeds thereof and gave notice of such security interest and the existence of the Intellectual Property Security Agreement providing therefore (collectively, the "Intellectual Property Collateral"); and

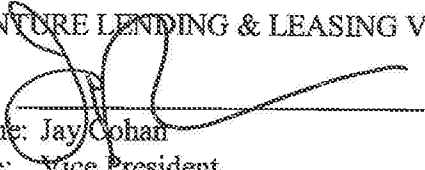
WHEREAS, Releasees have requested and Releasor has agreed to provide this Release of Intellectual Property Security Agreement to confirm the release, relinquishment and discharge of its security interest and lien in the Intellectual Property Collateral effective as of November 14, 2016.

NOW, THEREFORE, in consideration of and in exchange for good and valuable consideration, Releasor hereby agrees as follows:

1. Defined Terms. All capitalized terms used but not otherwise defined herein have the meanings given to them in the Intellectual Property Security Agreement.
2. Release of Security Interest. Releasor hereby, without any representation and warranty and without any recourse to Releasor, releases, relinquishes and discharges its security interest and lien in the Intellectual Property Collateral.

IN WITNESS WHEREOF, the parties have caused this Release of Intellectual Property Security Agreement to be duly executed as of March 20, 2017.

VENTURE LENDING & LEASING VI, INC.

By:   
Name: Jay Cohan  
Title: Vice President

**Exhibit 1 - Trademarks**

<b>Serial Number - Registration Number</b>	<b>Date</b>	<b>Mark</b>	<b>Owner</b>
77659671	1/29/2009	LanzaTech	LanzaTech, Inc.
77659675	1/29/2009	LanzaTech	LanzaTech, Inc.
77659680	1/29/2009	LanzaTech and Logo	LanzaTech, Inc.
77659686	1/29/2009	LanzaTech and Logo	LanzaTech, Inc.
85227015	1/26/2011	LanzaTech	LanzaTech, Inc.
85227036	1/26/2011	LanzaTech and Logo	LanzaTech, Inc.
85227060	1/26/2011	LanzaTech Logo	LanzaTech, Inc.
85563695	3/9/2012	Freedom Pines Biorefinery	LanzaTech Freedom Pines Biorefinery LLC
85594314	4/12/2012	Freedom Pines Biorefinery and Logo	LanzaTech Freedom Pines Biorefinery LLC
85594338	4/11/2012	Freedom Pines Biorefinery Logo	LanzaTech Freedom Pines Biorefinery LLC

**Exhibit 2 - Patents**

<b>Patent Number - Application Number</b>	<b>Description</b>
US 8,119,844	Alcohol Production Process
US 8,263,372	Improved Carbon Capture in Fermentation
US 8,119,378	Alcohol Production Process
US 8,178,330	Alcohol Production Process
US 12/739,424	Improved Carbon Capture in Fermentation
US 12/821,468	Improved Carbon Capture in Fermentation
US 13/587,444	Improved Carbon Capture in Fermentation
US 61/504,543	Fermentation Process
US 13/497,969	Improvements to Steam Reforming Process
PCT/US2011/58211	Improvements to CO2 Reforming Process
US 13/330,568	A Fermentation Method
US 13/477,827	Process for the Production of Esters
US 61/597,122	Natural Gas
US 13/058,375	Optimized Fermentation Media and Reducing Agent
US 13/058,629	Alcohol Production Process
US 13/060,334	Culture Storage Methods
US 13/058,393	Optimized Fermentation Media
US 13/060,862	Alcohol Production Process
US 13/060,357	Alcohol Production Process
US 13/119,582	Alcohol Production Process
US 61/468,440	Alcohol Production Process
US 13/435,453	A Fermentation Process
US 61/552,174	A Fermentation Process
US 61/566,731	A Fermentation Process
US 61/618,207	A Fermentation Process
US 61/650,655	A Process for the Fermentation and Recovery of One or More Products
US 12/742,149	Novel Bacteria and Methods of Use Thereof
US 13/537,798	Novel Bacteria and Methods of Use Thereof
US 12/296,300	Gas Treatment Process
US 12/529,761	Alcohol Production Process
US 12/997,063	Production of Butanediol by Fermentation
US 13/121,426	Acid Production by Fermentation
US 13/212,891	A Process for Producing Chemicals Using Microbial Fermentation of Substrates Comprising Carbon Monoxide
US 61/377,309	A Process
US 13/607,314	CO2/H2 to Lipids
US 61/564,178	CO2/H2 to Lipids
US 13/049,263	Butanol Transformation
US 13/073,069	Ethanol Tolerance
US 13/403,972	Acetone/Isopropanol Transformation

DOC ID - 25298536.1

US 13/459,211	Acetone/Isopropanol Transformation
US 61/593,269	BDO Knockout Strain
US 61/620,538	Enzyme Altered Metabolic Activity
US 61/653,348	Recombinant Microorganisms and uses Therefore
US 61/654,412	Recombinant Microorganisms and uses Therefore
US 61/662,467	Recombinant Microorganisms and uses Therefore
US 61/657,292	Recombinant Microorganisms and uses Therefore
US 61/650,757	Selection Method and Recombinant Microorganisms and uses Therefor
US 61/694,104	Recombinant Microorganisms and uses Therefore
US 61/719,780	A Fermentation Process
US 61/731,623	A Fermentation Process
US 61/725,349	Methods and Systems for the Production of Hydrocarbon Products (Pyrolysis)
US 61/720,224	Recombinant Microorganisms and uses Therefor
US 61/727,880	A Fermentation Process
US 61/733,309	Novel Bacteria and Methods and use Thereof
US 13/697,368	Alcohol Production Process
US 13/684,215	Methods of Sustaining Culture Viability
US 13/720,281	Acid Production by Fermentation (Lactate)
US 14/283,287	A Fermentation Process for the Production and Control of Pyruvate-Derived Products
US 14/329,881	Control of Bioreactor Processes