

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4329025

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	VENTURE LENDING & LEASING VI, INC.	03/20/2017
RECEIVING PARTY DATA		
Name:	LANZATECH NEW ZEALAND	
Street Address:	BROOKE HOUSE, 24 BALFOUR ROAD	
City:	AUCKLAND	
State/Country:	NEW ZEALAND	
Postal Code:	1052	
Name:	LANZATECH, INC.	
Street Address:	8045 LAMON AVENUE	
Internal Address:	SUITE 400	
City:	SKOKIE	
State/Country:	ILLINOIS	
Postal Code:	60077	
Name:	LANZATECH FREEDOM PINES BIOREFINERY LLC	
Street Address:	535 COMMERCE DRIVE	
City:	SOPERTON	
State/Country:	GEORGIA	
Postal Code:	30457	
Name:	LANZATECH HONG KONG LIMITED	
Street Address:	6F ALEXANDRA HOUSE	
Internal Address:	18 CHATER ROAD	
City:	CENTRAL	
State/Country:	HONG KONG	
Name:	LANZATECH PRIVATE LIMITED	
Street Address:	515-517, 5TH FLOOR, TOWER A	
Internal Address:	SPAZE I-TECH PARK, SECTOR-49	
City:	SOHNA ROAD, GURGAON, HARYANA	
State/Country:	INDIA	
Postal Code:	122002	

PROPERTY NUMBERS Total: 59

Property Type	Number
Patent Number:	8119844
Patent Number:	8263372
Patent Number:	8119378
Patent Number:	8178330
Application Number:	12739424
Application Number:	12821468
Application Number:	13587444
Application Number:	61504543
Application Number:	13497969
Application Number:	13330568
Application Number:	13477827
Application Number:	61597122
Application Number:	13058375
Application Number:	13058629
Application Number:	13060334
Application Number:	13058393
Application Number:	13060862
Application Number:	13060357
Application Number:	13119582
Application Number:	61468440
Application Number:	13435453
Application Number:	61552174
Application Number:	61566731
Application Number:	61618207
Application Number:	61650655
Application Number:	12742149
Application Number:	13537798
Application Number:	12296300
Application Number:	12529761
Application Number:	12997063
Application Number:	13121426
Application Number:	13212891
Application Number:	61377309
Application Number:	13607314
Application Number:	61564178
Application Number:	13049263
Application Number:	13073069

Property Type	Number
Application Number:	13403972
Application Number:	13459211
Application Number:	61593269
Application Number:	61620538
Application Number:	61653548
Application Number:	61654412
Application Number:	61662467
Application Number:	61657292
Application Number:	61650757
Application Number:	61694401
Application Number:	61719780
Application Number:	61731625
Application Number:	61725349
Application Number:	61720224
Application Number:	61727880
Application Number:	61733309
Application Number:	13697368
Application Number:	13684215
Application Number:	13720281
Application Number:	14283287
Application Number:	14329881
PCT Number:	US2011058211

CORRESPONDENCE DATA

Fax Number: (202)662-6291

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

ATTORNEY DOCKET NUMBER:	034791.00002
NAME OF SUBMITTER:	JENNIFER AUGSBURGER
SIGNATURE:	/jennifer augsburger/
DATE SIGNED:	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.

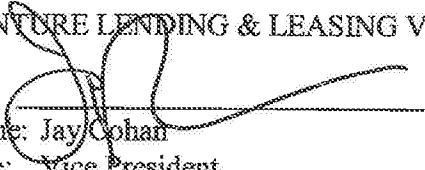
By: 
Name: Jay Cohan
Title: Vice President

Exhibit 1 - Trademarks

Serial Number - Registration Number	Date	Mark	Owner
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

Patent Number - Application Number	Description
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