

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM527744

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
LANZATECH NEW ZEALAND LIMITED		06/12/2019	Company:
LANZATECH, INC.		06/12/2019	Corporation:
LANZATECH FREEDOM PINES BIOREFINERY LLC		06/12/2019	Limited Liability Company:
LANZATECH HONG KONG LIMITED		06/12/2019	Company:
LANZATECH PRIVATE LIMITED		06/12/2019	Company:
LANZATECH UK LIMITED		06/12/2019	Company:

RECEIVING PARTY DATA

Name:	Venture Lending & Leasing VII, Inc.
Street Address:	104 La Mesa Drive, Suite 102
City:	Portola Valley
State/Country:	CALIFORNIA
Postal Code:	94028
Entity Type:	Corporation: MARYLAND
Name:	Venture Lending & Leasing VIII, Inc.
Street Address:	104 La Mesa Drive, Suite 102
City:	Portola Valley
State/Country:	CALIFORNIA
Postal Code:	94028
Entity Type:	Corporation: MARYLAND

PROPERTY NUMBERS Total: 1

Property Type	Number	Word Mark
Serial Number:	87828167	NO CARBON LEFT BEHIND

CORRESPONDENCE DATA

Fax Number: 4157774961

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.

OP \$40.00 87828167

Phone: 415 981 1400
Email: nsust@greeneradovsky.com
Correspondent Name: JEFFREY T. KLUGMAN
Address Line 1: FOUR EMBARCADERO CENTER, SUITE 4000
Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

NAME OF SUBMITTER:	JEFFREY T. KLUGMAN
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SIGNATURE:	/JEFFREY T. KLUGMAN/
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DATE SIGNED:	06/13/2019
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Total Attachments: 4

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SUPPLEMENT NO. 4 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Supplement No. 4 to Intellectual Property Security Agreement (this "Supplement") is made as of June 12, 2019, by and between LANZATECH NEW ZEALAND LIMITED, LANZATECH, INC., LANZATECH FREEDOM PINES BIOREFINERY LLC, LANZATECH HONG KONG LIMITED, LANZATECH PRIVATE LIMITED and LANZATECH UK LIMITED (each a "Grantor" and together "Grantors"), and VENTURE LENDING & LEASING VII, INC. ("VLL7") and VENTURE LENDING & LEASING VIII, INC. ("VLL8"), both Maryland corporations (sometimes referred to herein individually or together as "Secured Party").

RECITALS

WHEREAS, Grantors and Secured Party are parties to that certain Intellectual Property Security Agreement, dated as of November 14, 2016 (as the same has been and may be amended, restated, supplemented or otherwise modified from time to time, the "Intellectual Property Security Agreement") pursuant to which, among other things, Grantors granted Secured Party a security interest in, to and under certain items of Grantors' Intellectual Property;

WHEREAS, Grantors and Secured Party wish to amend the Intellectual Property Security Agreement on the terms set forth herein; and

WHEREAS, each capitalized term used but not otherwise defined herein shall have the meaning ascribed thereto in the Intellectual Property Security Agreement.

NOW, THEREFORE, the parties hereto agree as follows:

AGREEMENT

1. Exhibit B to Intellectual Property Security Agreement, the listing of Grantors' Patents, is hereby supplemented and amended by Exhibit "B" attached to this Supplement, to include reference to Grantors' right, title and interest in, to and under the Patents set forth thereon. Exhibit C to Intellectual Property Security Agreement, the listing of Grantors' Trademarks, is hereby supplemented and amended by Exhibit "C" attached to this Supplement, to include reference to Grantors' right, title and interest in, to and under the Trademark set forth thereon

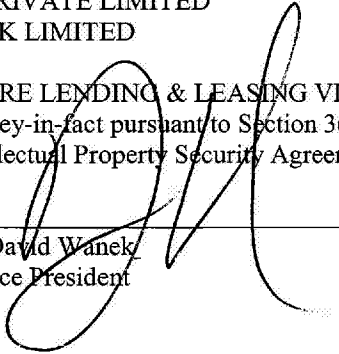
2. This Supplement shall be deemed to be an amendment to Intellectual Property Security Agreement and shall not be construed in any way as a replacement or substitution therefor. All of the terms and conditions of, and terms defined in, this Supplement are hereby incorporated by reference into the Intellectual Property Security Agreement as if such terms and provisions were set forth in full therein. Except as so amended hereby, the Intellectual Property Security Agreement and the other Loan Documents shall remain in full force and effect in accordance with their respective terms.

IN WITNESS WHEREOF, the parties hereto have executed this Supplement on the day and year first above written.

GRANTOR:

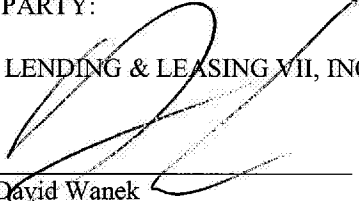
LANZATECH NEW ZEALAND LIMITED
LANZATECH, INC.
LANZATECH FREEDOM PINES BIOREFINERY LLC
LANZATECH HONG KONG LIMITED
LANZATECH PRIVATE LIMITED
LANZATECH UK LIMITED

By: VENTURE LENDING & LEASING VIII, INC.
as attorney-in-fact pursuant to Section 3(b)(i) of
the Intellectual Property Security Agreement

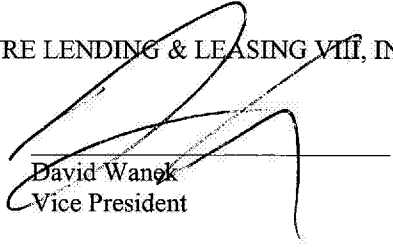
By: 
Name: David Wanek
Title: Vice President

SECURED PARTY:

VENTURE LENDING & LEASING VII, INC.

By: 
Name: David Wanek
Title: Vice President

VENTURE LENDING & LEASING VIII, INC.

By: 
Name: David Wanek
Title: Vice President

SUPPLEMENT NO. 4 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

EXHIBIT "B"

Patents

Description:	Application Number:
GENETICALLY ENGINEERED BACTERIUM FOR THE PRODUCTION OF ISOBUTYLENE	15/922451
PROCESS AND SYSTEM FOR PRODUCT RECOVERY AND CELL RECYCLE	15/926851
Integrated System for Filtering Constituents from a Gas Stream	62/656813
INTERMITTENT ELECTROLYSIS STREAMS	16/373071
MICROORGANISM WITH MODIFIED ALDEHYDE:FERREDOXIN OXIDOREDUCTASE ACTIVITY AND RELATED METHODS	15/594,252
PRODUCT MANAGEMENT IN BIOLOGICAL CONVERSION PROCESSES	15/424,413

SUPPLEMENT NO. 4 TO INTELLECTUAL PROPERTY SECURITY AGREEMENT

EXHIBIT "C"

Trademarks

Description:	Application Number:
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