



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 3, 2017

PTAS

DAVID R. SALIWANCHIK
P.O. BOX 142950
GAINESVILLE, FL 32614

504623438

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 11/02/2017

REEL/FRAME: 044014/0665
NUMBER OF PAGES: 8

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: LOC.102XC1PCT

ASSIGNOR:
FARMER, SEAN

DOC DATE: 10/26/2017

ASSIGNOR:
ZORNER, PAUL S.

DOC DATE: 10/31/2017

ASSIGNOR:
ALIBEK, KEN

DOC DATE: 10/18/2017

ASSIGNOR:
ADAMS, KENT

DOC DATE: 10/30/2017

ASSIGNOR:
DIXON, TYLER

DOC DATE: 10/18/2017

ASSIGNEE:
LOCUS SOLUTIONS, LLC
30500 AURORA ROAD
SUITE 180
SOLON, OHIO 44139

APPLICATION NUMBER:

FILING DATE: 09/08/2017

PATENT NUMBER:

ISSUE DATE:

PCT NUMBER: US2017050711

TITLE: DISTRIBUTED SYSTEMS FOR THE EFFICIENT PRODUCTION AND USE OF
MICROBE-BASED COMPOSITIONS

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

ASSIGNMENT

WHEREAS, We, the undersigned, residing at the indicated addresses given below, respectively, have invented certain new and useful improvements in DISTRIBUTED SYSTEMS FOR THE EFFICIENT PRODUCTION AND USE OF MICROBE-BASED COMPOSITIONS, for which an application for United States Letters Patent was

☒ filed **September 8, 2017**, as Serial No. PCT/US2017/050711.

WHEREAS, **Locus Solutions, LLC**, a corporation of the State of **Ohio**, having a place of business at **30500 Aurora Road, Suite 180, Solon, Ohio 44139, United States of America**, is desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of valuable consideration, receipt of which is hereby acknowledged, we, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said **Locus Solutions, LLC**, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

We hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to **Locus Solutions, LLC**, as the assignee of the entire right, title, and interest in and to the same, for the sole use and behoof of said **Locus Solutions, LLC**, its successors and assigns.

FURTHER, We agree that we will communicate to said **Locus Solutions, LLC**, or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said **Locus Solutions, LLC**; make all rightful oaths; and generally do everything possible to aid the said **Locus Solutions, LLC**, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of October 2017.

Signed

Sean Farmer

Address:

17230 NE 11th Ave

North Miami Beach, FL 33162

State of Ohio)

County of Cuyahoga)

On this 26th day of October, 2017, personally appeared before me the above-named **Sean Farmer**, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde
Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 31st day of October, 2017.

Signed

Paul S. Zorner
1720 Hygeia Avenue
Encinitas, CA 92024

Address:

State of Ohio

County of Cuyahoga

On this 31st day of October, 2017, personally appeared before me the above-named **Paul S. Zorner**, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde
Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18th day of October, 2017.

Signed *Ken Alibek*
Ken Alibek

Address: 30500 Aurora Rd, Suite 180
Solon, OH 44139

State of Ohio)

County of Cuyahoga)

On this 18th day of October, 2017, personally appeared before me the above-named **Ken Alibek**, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde
Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30th
day of October, 2017.

Signed

Kent Adams

Address:

8870 Darrow Rd

Suite F106-239

Twinsburg, OH 44087

State of Ohio)

County of Cuyahoga)

On this 30th day of October, 2017, personally appeared before me the above-named **Kent Adams**, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde

Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18th day of October, 2017.

Signed

Tyler Dixon

Address:

521 South Francis St.
Kent, OH 44240

State of Ohio)

County of Cuyahoga)

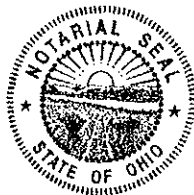
On this 18th day of October, 2017, personally appeared before me the above-named **Tyler Dixon**, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde

Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

ASSIGNMENT

WHEREAS, Locus Solutions, LLC having a place of business at 130500 Aurora Road, Suite 180, Solon, Ohio 44139, US, holds rights in inventions and Patent Applications, by virtue of Assignments from the inventors, for which applications for United States Letters Patent were filed as listed on the attached Schedule A.

WHEREAS, **Locus IP Company, LLC**, having a place of business at **30500 Aurora Road, Suite 180, Solon, Ohio 44139, US**, is desirous of acquiring the entire right, title, and interest in and to said inventions and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of valuable consideration, receipt and sufficiency of which is hereby acknowledged, Locus Solutions, LLC. has sold, assigned, and transferred, and by these presents does sell, assign, and transfer, unto said **Locus IP Company, LLC**, its successors and assigns, the full and exclusive right to the said inventions and said applications, including the right to claim priority, in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patents that may be granted therefor in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all divisions, reissues, continuations, and extensions thereof.

Locus Solutions, LLC hereby authorizes and requests the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patents, when granted, to **Locus IP Company, LLC**, as the assignee of the entire right, title, and interest in and to the same, for the sole use and on behalf of said **Locus IP Company, LLC**, its successors and assigns.

FURTHER, Locus Solutions, LLC agrees that it will communicate to said **Locus IP Company, LLC**, or its representatives, any facts known to it respecting said inventions; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said **Locus IP Company, LLC**; make all rightful oaths; and generally do everything possible to aid the said **Locus IP Company, LLC**, its successors and assigns, to obtain and enforce proper protection for said inventions in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I, the undersigned authorized representative of Locus Solutions, LLC, have hereunto set my hand this 18th day of July, 2018.

Signed

Name

Title

Donald M. Sweeney
CEO
Locus Solutions, LLC
30500 Aurora Road, Suite 180
Solon, Ohio 44139
US

State of

County of

On this 18th day of July, 2018, personally appeared before me the above-named Donald Sweeney, to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Diana Varde
Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

IN TESTIMONY WHEREOF, I, the undersigned authorized representative of Locus IP Company, LLC, have hereunto set my hand this 18th day of July, 2018.

Signed [Signature]
Name Donald M. Sweeney
Title CFO

Locus IP Company, LLC
30500 Aurora Road, Suite 180
Solon, Ohio 44139
US

State of Ohio

County of Cuyahoga

On this 18th day of July, 2018, personally appeared before me the above-named Donald Sweeney to me known and known to me to be the person described in the foregoing instrument, who executed the foregoing instrument, and who severally acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]
Notary Public

My Commission Expires:

SEAL



Diana Varde
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 12-11-2021

SCHEDULE A

Docket No.	Serial No.	Date Filed	Title
LOC.100CXPCT	PCT/US2017/050661	09/08/2017	Novel Cultivation System for the Efficient Production of Microorganisms
LOC.100P	62/404,516	10/05/2016	Novel Cultivation System for the Efficient Production of Microorganisms
LOC.102P	62/385,057	09/08/2016	Distributed Systems for the Efficient Production and Use of Microbe-Based Compositions
LOC.102XC1PCT	PCT/US2017/050711	09/08/2017	Distributed Systems for the Efficient Production and Use of Microbe-Based Compositions
LOC.106P	62/443,356	01/06/2017	Novel Fermentation Systems and Methods
LOC.106XC1PCT	PCT/US2018/012561	01/05/2018	Novel Fermentation Systems and Methods
LOC.159P	62/610,581	12/27/2017	Microbe-Based Compositions And Methods For Extracting Minerals and Metals From Ore