

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5782246

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUAN THANH NGUYEN	01/11/2017
JOSHUA A. SILVERMAN	01/20/2017
RECEIVING PARTY DATA	
Name:	CALYSTA, INC.
Street Address:	1140 O'BRIEN DRIVE, SUITE B
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	62444625
Application Number:	16260931
CORRESPONDENCE DATA	
Fax Number:	(206)682-6031
<i>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.</i>	
Phone:	206-622-4900
Email:	CircleR@seedip.com
Correspondent Name:	SEED IP LAW GROUP LLP
Address Line 1:	701 FIFTH AVENUE
Address Line 2:	SUITE 5400
Address Line 4:	SEATTLE, WASHINGTON 98104
ATTORNEY DOCKET NUMBER:	200206.426USPC
NAME OF SUBMITTER:	JEFFREY M. SAKOI
SIGNATURE:	/Jeff Sakoi/
DATE SIGNED:	10/22/2019
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, we,

Name	Post Office Address	
Luan Thanh NGUYEN	1080 Vista Monte Dr., San Ramon, CA 94582	; and
Joshua A. SILVERMAN	27791 Edgerton Road, Los Altos Hills, CA 94022	

(hereinafter referred to as ASSIGNORS), having post office addresses as listed above next to our names, respectively, are the joint inventors of the provisional patent application entitled "GAS-FED FERMENTATION REACTORS, SYSTEMS AND PROCESSES UTILIZING A VERTICAL FLOW ZONE," as filed with the U.S. Patent and Trademark Office on January 10, 2017, and assigned Application No. 62/444,625;

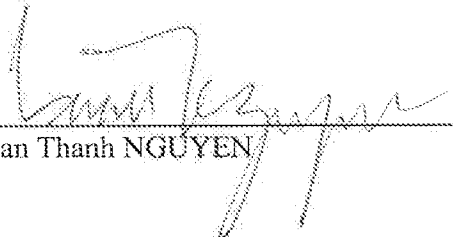
WHEREAS, CALYSTA, INC. (hereinafter referred to as ASSIGNEE), a corporation of the State of Delaware having a place of business at 1140 O'Brien Drive, Suite B, Menlo Park, California 94025, is desirous of acquiring the entire right, title and interest in and to the provisional patent application and in and to any letters patent(s) that claim the priority benefit of the provisional patent application in the United States and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said provisional patent application and the invention(s) disclosed therein, and any and all letters patent(s) which claim priority to said provisional application and any and all letters patent(s) which claim the invention(s) disclosed therein and which may be granted in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States provisional application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, and including the right to sue and collect damages for past and present infringement of said letters patent(s); said invention, provisional application and all letters patent(s) on said invention or claiming priority to said provisional application to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this

assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Attorneys for Seed Intellectual Property Law Group LLP are authorized to insert the official filing date and application number information when it comes available.

1-11-17
Date _____

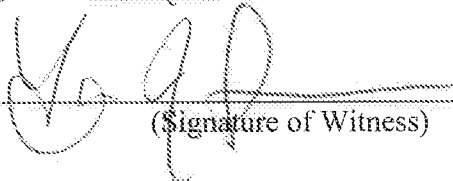

Luan Thanh NGUYEN (Assignor)

I certify that I know or have satisfactory evidence that Luan Thanh NGUYEN signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

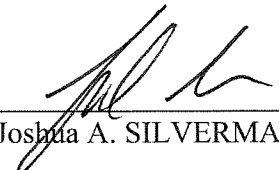
Date 1/11/17 _____

Signed at MENLO PARK _____

LORRAINE GOWER
(Name of Witness)


(Signature of Witness)

Date 1/20/17

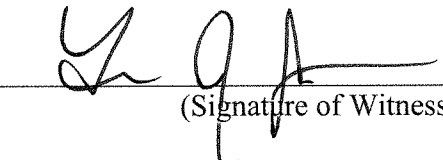

Joshua A. SILVERMAN (Assignor)

I certify that I know or have satisfactory evidence that Joshua A. SILVERMAN signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 1/20/2017


Signed at MENLO PARK, CA

LORRAINE GIVER
(Name of Witness)


(Signature of Witness)

CALYSTA, INC.

Date 1/20/17


(Signatory Signature) (Assignee)

Joshua A. Silverman, Chief Scientific Officer
(Assignee Signatory Name, Title)

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