504707746 12/29/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONG-SU JIN	12/04/2017
STEPHAN THOMAS LANE	12/04/2017
HAIQING XU	10/13/2017
SOO-RIN KIM	12/12/2017

RECEIVING PARTY DATA

Name:	THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
Street Address:	506 SOUTH WRIGHT STREET
City:	CHAMPAIGN
State/Country:	ILLINOIS
Postal Code:	61801

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15708262

CORRESPONDENCE DATA

Fax Number:

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.

Email: hillman@mbhb.com

Correspondent Name: LISA M.W. HILLMAN, PH.D.

Address Line 1: 300 SOUTH WACKER DRIVE

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER:	17-1186-US
NAME OF SUBMITTER:	LISA M.W. HILLMAN
SIGNATURE:	/Lisa M. W. Hillman/
DATE SIGNED:	12/29/2017

Total Attachments: 6

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PATENT 504707746 REEL: 044503 FRAME: 0600

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PATENT REEL: 044503 FRAME: 0601

ASSIGNMENT

WHEREAS, Yong-Su Jin, residing at 3005 Sandhill Lane, Champaign, Illinois 61822, is a joint inventor of the invention entitled "Recombinant Microorganisms With Mixed Sugar Utilization" described in a utility application for Patent of the United States, filed September 19, 2017, as Application No. 15/708,262;

AND WHEREAS, **Stephan Thomas Lane**, residing at 3312 Clairbridge Drive, Bloomington, Illinois 61704, is a joint inventor of the invention entitled "**Recombinant Microorganisms With Mixed Sugar Utilization**" described in a utility application for Patent of the United States, **filed September 19, 2017, as Application No. 15/708,262**;

AND WHEREAS, **Haiqing Xu**, residing at 308 E. Williams Street, Ann Arbor, Michigan 48104, is a joint inventor of the invention entitled "**Recombinant Microorganisms With Mixed Sugar Utilization**" described in a utility application for Patent of the United States, **filed September 19, 2017**, **as Application No. 15/708,262**;

AND WHEREAS, **Soo-Rin Kim**, residing at 345 Dongbuk-ro, Apt. 108-606 Buk-gu, Daegu 41531 Korea, is a joint inventor of the invention entitled "**Recombinant Microorganisms With Mixed Sugar Utilization**" described in a utility application for Patent of the United States, **filed September 19, 2017, as Application No. 15/708,262**;

AND WHEREAS Yong-Su Jin, Stephan Thomas Lane, Haiqing Xu and Soo-Rin Kim shall be jointly referred to as the "ASSIGNORS";

AND WHEREAS, The Board of Trustees of the University of Illinois, an entity organized and existing under the laws of the State of Illinois, having a principal place of business at 506 South Wright Street, Urbana, Illinois 61801; is desirous of obtaining ASSIGNORS' entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of ASSIGNORS' contractual and other legal obligations, and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the ASSIGNEES, their successors, legal representatives and assigns, ASSIGNORS' entire right, title and interest in, to and under the said invention, and the said United States Application and any nonprovisional Application and all divisions, renewals, continuations and subsequent applications thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States; together with the right to file such applications and the right to claim for the same the priority of said patent applications listed herein and applications thereof and therefrom under The International Union for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application and applications thereof and therefrom is filed, as may be applicable; and all

forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof:

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEES, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNORS HEREBY covenant and agree that ASSIGNORS have full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement in conflict herewith;

AND ASSIGNORS HEREBY authorize the above-mentioned ASSIGNEES or their legal representatives to insert in this instrument the filing date and serial number of said application(s) or any other information that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to the ASSIGNEES, their successors, legal representatives and assigns, any facts known to ASSIGNORS respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all continuing and subsequent applications, including divisional, reissue and foreign applications, make all rightful oaths, and generally cooperate and do everything possible to aid the ASSIGNEES, their successors, legal representatives and assigns, to obtain, maintain, and enforce proper protection for said invention in any and all countries.

Dec. 4,2017 Date	Yong-Su Jin
person whose name is subscribed to this	OFFICIAL SEAL
	TRACY A HUNTER Notary Public - State of Illinois My Commission Expires Jul 29, 2018

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the day and year set opposite my signature.

Date

STATE OF THATE (month)

STATE OF Me, the undersigned authority, on this Hoday of Occasion (month), 2017 (year), personally appeared the above person, known to me to be the person whose name is subscribed to this instrument and who acknowledged to me that s/he executed the same of his/her own free will for the purposes and consideration herein expressed.

Date: December 4, 2017

Notary Public

Official SEAL TRACY A HUNTER
Notary Public - State of Hilmois

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the

day and year set opposite my signature.

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STATE OF MICHIGAN)			# # 8 4	
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BEFORE ME, the undersigned authority (year), personally appeared person whose name is subscribed to this s/he executed the same of his/her own freexpressed.	ed the above perso s instrument and w	n, known to n ho acknowled	ne to be the ged to me	e that
Date: 10-13-17	Notary Public	L-S	n _{zell}	
My Commission expires: <u>May 11, 2</u>		KATHLEEN SII otary Public, State County of Wash dy Commission Expires N ng in the County of	of Michigan tenaw lav. 11, 2018	, s , -

IN TESTIMONY WHEREOF, I hereunto set my hand and seal (if applicable) the

day and year set opposite my signature.

12-12-2017 Data 8	Sookerkon	
Date S	loo-Rin Kim	
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BEFORE ME, the undersigned authority, on this	ove person, known to me to be the ent and who acknowledged to me that	
Date:	ry Public	
Date:	ry Public Witness 1 <u>Kars</u> Jeongwon Kim	Date 2011, 12 12
Date:Notal	Witness 1 Km Jeongwon Kim Witness 2 Mm	Date
Date: Notai My Commission expires:	Witness 1 Kim Jeongwon Kim Witness 2 MM	

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RECORDED: 12/29/2017

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