507808706 03/20/2023

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT7855836

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ELIZABETH JANE CLARKE	08/28/2018
BAOLONG ZHU	08/28/2018
DEREK LORIN GREENFIELD	08/28/2018
STEPHANIE RHIANON JONES	08/28/2018
NOAH CHARLES HELMAN	08/28/2018

RECEIVING PARTY DATA

Name:	INDUSTRIAL MICROBES, INC.
Street Address:	1250 45TH STREET
Internal Address:	SUITE 330
City:	EMERYVILLE
State/Country:	CALIFORNIA
Postal Code:	94608

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17149394

CORRESPONDENCE DATA

Fax Number: (312)345-9992

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: (312) 558-5015

Email: Debbie.Owens@klgates.com H. THOMAS ANDERTON **Correspondent Name:**

K&L GATES LLP Address Line 1: Address Line 2: P.O. BOX 1135

Address Line 4: CHICAGO, ILLINOIS 60690-1135

ATTORNEY DOCKET NUMBER:	1107367.00021
NAME OF SUBMITTER:	DEBBIE OWENS
SIGNATURE:	/DEBBIE OWENS/
DATE SIGNED:	03/20/2023

PATENT REEL: 063039 FRAME: 0226 507808706

Total Attachments: 5

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PATENT REEL: 063039 FRAME: 0227

ASSIGNMENT

WHEREAS, I, Elizabeth Jane Clarke, herein referred to as "ASSIGNOR," with a mailing address at c/o Industrial Microbes, Inc., 1250 45th Street, Suite 330, Emeryville, California 94608, in relation to the invention for

FUNCTIONAL EXPRESSION OF MONOOXYGENASES AND METHODS OF USE

for which an application for patent has been filed, as U.S. Patent Application No. 15/777,158 filed May 17, 2018.

and WHEREAS, Industrial Microbes, Inc., a corporation organized and existing under the laws of the State of Delaware, and having an office for the transaction of business at 1250 45th Street, Suite 330, Emeryville, California 94608 herein referred to as "ASSIGNEE," is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said application and all applications claiming priority thereto and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon 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 rights derived from said application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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 I HEREBY authorize and request the Commissioner for Patents 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

Date 8/28/18

Elizabeth Jane Clarke

PATENT

REEL: 063039 FRAME: 0228

Attorney Docket No. 117168.00016 IMI002US

ASSIGNMENT

WHEREAS, I, **Baolong Zhu**, herein referred to as "ASSIGNOR," with a mailing address at c/o Industrial Microbes, Inc., 1250 45th Street, Suite 330, Emeryville, California 94608, in relation to the invention for

FUNCTIONAL EXPRESSION OF MONOOXYGENASES AND METHODS OF USE

for which an application for patent has been filed, as U.S. Patent Application No. 15/777,158 filed May 17, 2018,

and WHEREAS, **Industrial Microbes, Inc.**, a corporation organized and existing under the laws of the State of California, and having an office for the transaction of business at 1250 45th Street, Suite 330, Emeryville, California 94608 herein referred to as "ASSIGNEE," is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said application and all applications claiming priority thereto and all divisions, renewals and continuations 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 rights derived from said application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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 I HEREBY authorize and request the Commissioner for Patents 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

		Dody (hu	
Date	08/28/2018		L.S.
		Baolong Zhu	_

PATENT REEL: 063039 FRAME: 0229

Attorney Docket No. 117168.00016 IMI002US

ASSIGNMENT

WHEREAS, I, Stephanic Rhianon Jones, herein referred to as "ASSIGNOR," with a mailing address at c/o Industrial Microbes, Inc., 1250 45th Street, Suite 330, Emeryville, California 94608, in relation to the invention for

FUNCTIONAL EXPRESSION OF MONOOXYGENASES AND METHODS OF USE

for which an application for patent has been filed, as U.S. Patent Application No. 15/777,158 filed May 17, 2018,

and WHEREAS, Industrial Microbes, Inc., a corporation organized and existing under the laws of the State of California, and having an office for the transaction of business at 1250 45th Street, Suite 330, Emeryville, California 94608 herein referred to as "ASSIGNEE," is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said application and all applications claiming priority thereto and all divisions, renewals and continuations 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 rights derived from said application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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 I HEREBY authorize and request the Commissioner for Patents 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

Date	8/28/2018	- Sklone	L.S.
		Stephanie Rhianon Jones	decoration.

PATENT

REEL: 063039 FRAME: 0230

Attorney Docket No. 117168.00016

ASSIGNMENT

WHEREAS, I, Derek Lorin Greenfield, herein referred to as "ASSIGNOR," with a mailing address at c/o Industrial Microbes, Inc., 1250 45th Street, Suite 330, Emeryville, California 94608, in relation to the invention for

FUNCTIONAL EXPRESSION OF MONOOXYGENASES AND METHODS OF USE

for which an application for patent has been filed, as U.S. Patent Application No. 15/777,158 filed May 17, 2018,

and WHEREAS, Industrial Microbes, Inc., a corporation organized and existing under the laws of the State of California, and having an office for the transaction of business at 1250 45th Street, Suite 330, Emeryville, California 94608 herein referred to as "ASSIGNEE," is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said application and all applications claiming priority thereto and all divisions, renewals and continuations 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 rights derived from said application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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 I HEREBY authorize and request the Commissioner for Patents 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

Date <u>August</u> 28, 2018

Derek Lorin Greenfield

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Attorney Docket No. 117168.00016 IMI002US

ASSIGNMENT

WHEREAS, I, Noah Charles Helman, herein referred to as "ASSIGNOR," with a mailing address at c/o Industrial Microbes, Inc., 1250 45th Street, Suite 330, Emeryville, California 94608, in relation to the invention for

FUNCTIONAL EXPRESSION OF MONOOXYGENASES AND METHODS OF USE

for which an application for patent has been filed, as U.S. Patent Application No. 15/777,158 filed May 17, 2018,

and WHEREAS, **Industrial Microbes, Inc.**, a corporation organized and existing under the laws of the State of California, and having an office for the transaction of business at 1250 45th Street, Suite 330, Emeryville, California 94608 herein referred to as "ASSIGNEE," is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said application and all applications claiming priority thereto and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon 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 rights derived from said application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application 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 I HEREBY authorize and request the Commissioner for Patents 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 ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

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

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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

Date 28 fuguet 2018

Noah Charles Helman

Ls

PATENT

REEL: 063039 FRAME: 0232