505699008 09/30/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LYNNE CAIRNS	07/15/2019
MINMIN YEN	09/10/2019

RECEIVING PARTY DATA

Name:	TRUSTEES OF TUFTS COLLEGE
Street Address:	BALLOU HALL
City:	MEDFORD
State/Country:	MASSACHUSETTS
Postal Code:	02155

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	16145836	
PCT Number:	US2017025305	

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ATTORNEY DOCKET NUMBER:	700355-095400
NAME OF SUBMITTER:	DAVID S. RESNICK
SIGNATURE:	/DAVID S. RESNICK/
DATE SIGNED:	09/30/2019

Total Attachments: 4

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PATENT REEL: 050567 FRAME: 0478

ASSIGNMENT

WHEREAS, WE, Lynne Cairns, and Minmin Yen, have invented certain new and useful improvements in all of the applications listed in TABLE A – LIST OF PATENT APPLICATIONS (hereinafter referred to as "THE APPLICATIONS"), and in and to any invention(s) disclosed in THE APPLICATIONS, and in and to any Letters Patents that may issue from THE APPLICATIONS; and naming us as inventors;

TABLE A – LIST OF PATENT APPLICATIONS				
Attorney Docket No.	Country	Serial No.	Filing Date	Title
700355- 095400USC1	US	16/145,836	2018-09-28	METHODS AND COMPOSITIONS FOR PREVENTING INFECTION BY A VIBRIO SPECIES
700355- 095400WOPT	PCT	PCT/US2017/025305	2017-03-31	METHODS AND COMPOSITIONS FOR PREVENTING INFECTION BY A VIBRIO SPECIES

Both of the foregoing applications claim priority to U.S. Provisional Application No. 62/316,704 filed April 1, 2016.

AND WHEREAS, TRUSTEES OF TUFTS COLLEGE, with its principal place of business at Ballou Hall, Medford, Massachusetts 02155, desires to acquire the entire right, title and interest in and to the said improvements and the said THE APPLICATIONS:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TRUSTEES OF TUFTS COLLEGE, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said THE APPLICATIONS and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States. whose duty it is to issue Patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said TRUSTEES OF TUFTS COLLEGE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said TRUSTEES OF TUFTS COLLEGE, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said TRUSTEES OF TUFTS COLLEGE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

Attorney Docket No.: 780355-095400 U.S. Serial No.: 16/145,836 PCT Serial No. PCT/US2017/025305

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of Exchange Place, 53 State Street, Boston, Massachusetts 02109, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

ASSIGNOR(S)

Witness Signature: Witness Printed Name:	Date:		
	Minmin Yen		
	. *		
IN TESTIMONY WHEREOF, I, Minday of, 2019.	min Yen, hereunto set my signature this		
Witness Printed Name: ROSEMARY MORIAND			
Witness Signature:	J //		
	Lynne Cairn		
	LQC57		
IN TESTIMONY WHEREOF, I, Lynne Cail of, 2019.	ns, hereunto set my signature this 🧏 day		

Attorney Docket No.: 700355-095400 U.S. Serial No.: 16/145,836 PCT Serial No. PCT/US2017/025305

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ASSIGNOR(S)

of, 2	019.	si jumu.	Lynne Cairns
			•
Witness Signature:		Date:	
Witness Printed Nam	e:		
IN TE	STIMONY WHEREOF, I, Min r er , 2019.	nin Yen, hereunto se	et my signature this
		M. 11	
		- Ming-	Minmin Yen
Witness Signature:	Gelowle Grandbay	Date:	9/10/19
Witness Printed Name	Cabrialla Crandahanna	- -	

Attorney Docket No.: 700355-095400 U.S. Serial No.: 16/145,836 PCT Serial No. PCT/US2017/025305

ASSIGNEE Signature:	Signature of Assignee	Date:
	Larry R. Steranka	
	Senior Director Tech Transfer	