PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
BRIAN EDWARD OEFFINGER	04/26/2021
MARGARET A. WHEATLEY	03/09/2021
RAWAN SHRAIM	04/27/2021
PURVA VAIDYA	04/27/2021

RECEIVING PARTY DATA

Name:	DREXEL UNIVERSITY
Street Address:	3141 CHESTNUT STREET
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19104

PROPERTY NUMBERS Total: 2

Property Type	Number		
Application Number:	16817898		
Application Number:	62817886		

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.

Phone: 215-972-7734

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Correspondent Name: KATHRYN DOYLE, SAUL EWING ARNSTEIN & LEHR LLP

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Total Attachments, 6	
DATE SIGNED:	05/26/2021
SIGNATURE:	/Brian R. Landry/
NAME OF SUBMITTER:	BRIAN R. LANDRY
ATTORNEY DOCKET NUMBER:	205961-7023US1(00166)

Total Attachments: 6

PATENT REEL: 056356 FRAME: 0216 source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page1.tif source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page2.tif source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page3.tif source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page4.tif source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page5.tif source=205961-7023US1-00166-Executed_Assignment_from_inventors_to_Drexel_University#page6.tif

PATENT REEL: 056356 FRAME: 0217

Drexel Ref.: 18-2131

Saul Ref.: 205961-7023US1(00166)

ASSIGNMENT

120 N. VAN PELT ST WHEREAS, we, Brian Edward Oeffinger, a citizen of the United States of America, having a mailing address of 2109 Appletree Street; Philadelphia, PA 19103; Margaret A. Wheatley, a citizen of the United States of America, having a mailing address of 7 Camby Chase, Media, PA 19063; Rawan Shraim, a citizen of the United States of America, having a mailing address of 2200 Benjamin Franklin Parkway, Apt. S906, Philadelphia, PA 19130; and Purva Vaidya, a citizen of the United States of America, having a mailing address of 42-23 Colden Street, Apt. 15C, Flushing, NY 11355, hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

METHOD OF FREEZE DRYING SURFACTANT-STABILIZED MICROBUBBLES

for which we have executed U.S. Patent Application No. 16/817,898, filed March 13, 2020 which claims priority to U.S. Provisional Patent Application No. 62/817,886, March 13, 2019.

WHEREAS, Drexel University, with a principal place of business at 3141 Chestnut Street, Philadelphia, Pennsylvania 19104, hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said patent application.

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application, for the territory of the United States and its possessions and territories and all foreign countries:

in and to the above patent application and any and all related United States and foreign patent applications disclosing said invention, including provisionals, nonprovisionals, divisions and continuations thereof, all PCT and national phase applications, along with all rights of priority created by said patent application under any treaty relating thereto, including the right to claim priority to said patent application, e.g., under the International Convention for the Protection of Industrial Property and the European Patent Convention; and

in and to all United States and foreign patents which may be granted on any and all of said patent applications, including extensions, reissues and reexamination certificates thereof;

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said invention, application(s) and patent(s) to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said patent(s) may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the patent(s) hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS

AND ASSIGNORS acknowledges an obligation of assignment of this invention to ASSIGNEE at the time the invention was made.

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1	N WITNE	SS WHEREC	F, I have her	eunto set my	hand and seal.	
Executed this	9th	day of	March	, year of	2021	
M.A.	Wheather	ŀ				
Margaret A. W	heatley	••••••				
*****	******	****	*****	****	*********	水
WITNESS						
Međia /PA						
Signed At (City	/State)					
Jairo H. Lora						
Name						
Signature	t Latin	mud				
Signature			~-			
9th March 20. Date	21					

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Ι	N WITNES	S WHEREOI	F, I have here	unto set my	hand and se	eal.	
Executed this _	27th	day of	April	, year of	<u>2021</u>		
Q=							
Rawan Shraim							
******	*****	******	******	*****	******	*****	*****
WITNESS							
Philadelphi	a/PA						
Signed At (City)	/State)						
Faisal Hu	sein						
Name	distriction of the second						
Signature							
04/27/2	2021						
Date							

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IN WITNESS WHEREOF, I have hereunto set my hand and seal.

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TJU Ref.: EIS_JOIL005 Drexel Ref.: 18-2131

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This assignment is accepted on behalf of Drexel University by:

May 18, 2021

Robert B. McGrath

Senior Associate Vice Provost

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