PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TODD SULCHEK	05/09/2019
ALEXANDER ALEXEEV	05/18/2018

RECEIVING PARTY DATA

Name:	GEORGIA TECH RESEARCH CORPORATION	
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City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30332-0415	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16348170

CORRESPONDENCE DATA

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NAME OF SUBMITTER: RYAN A. SCHNEIDER		
SIGNATURE:	/Ryan A. Schneider, Reg. #45083/	
DATE SIGNED: 08/05/2019		

Total Attachments: 4

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PATENT 505604887 REEL: 049953 FRAME: 0418

ASSIGNMENT

WHEREAS, We, Todd Sulchek and Alexander Alexeev together with Anna Liu (collectively referred to as "Assignor"), have invented certain improvements in METHODS FOR CONVECTIVELY-DRIVEN INTRACELLULAR DELIVERY, for which a U.S. Provisional Patent Application, entitled "RIDGED MICROCHANNELS FOR COMPRESSING AND OPENING PORES INTO CELLS FOR MOLECULAR AND PARTICLE DELIVERY," was filed November 8, 2016 and provided Application No. 62/419,041, and for which an International Application was filed on November 8, 2017 and provided Application No. PCT/US17/60644, and for which future applications may be filed, (collectively referred to as the "Application"), and whereas

GEORGIA TECH RESEARCH CORPORATION 505 Tenth Street, N.W. Atlanta, Georgia 30332-0415 United States

("Assignee") desires to purchase all of Assignor's rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee all of Assignor's rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefore; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Application and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee all of Assignor's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of said Application and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Application, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

PATENT TROUTMAN SANDERS REEL: 049953 FRAME: 0419

IN WIT		ereunto set my hand and seal this9_	day of
(SEAL)		10H OW-	
****		Todd Sulchek	
Witnessed by:	Signature	Date:	
	Printed Name of Witness		
Witnessed by:	Signature	Date:	
	Printed Name of Witness		
SECTION BEI	OW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOT	ARY
	NESS WHEREOF, I have ho	ereunto set my hand and seal this	day of
State of		Todd Sulchek	_(SEAL)
		2019, before me, a notary public, came and who executed the foregoing assignant and deed.	
		NOTARY PUBLIC	_
(SEAL)		My Commission Expires:	

PATENT TROUTMAN SANDERS REEL: 049953 FRAME: 0420

IN WITNESS		o set my hand and seal this	_day of
		· · · · · · · · · · · · · · · · · · ·	(SEAL)
		Alexander Alexeev	(10 mil 10)
Witnessed by:		Date:	
	Signature		
	Printed Name of Witness		
Witnessed by:	Signature	Date:	
	Signature		
	Printed Name of Witness		
Hay	NESS WHEREOF, I have 1	hereunto set my hand and seal this	18 ¹ day of(SEAL)
State of <u>GC</u>	OXIA_	Alexander Mexcev	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
County of <u>J</u>			
On this	day of Hay	, 2018, before me, a notary public,	came to me known
	dged the same to be his free	in and who executed the foregoing a cart and deed.	assignment, and ne
		Donat John	<u> </u>
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		My Commission Expires:	

PATENT TROUTMAN SANDERS REEL: 049953 FRAME: 0421

In Witness Whereof, Assignee hereby accepts from Assignors the sale, assignment, transfer and conveyance unto said Assignee of the full, exclusive and entire right, title, and interest in and to said Application, Related US Applications and Related Foreign Applications, by its duly authorized officer.

	Georgia Tech Research Corporation (Assignee)	
	By:	_ Teny Bray
	Name:	_Terry Bray_
	Title:	Authorized Signatory
Witnessed by: Kottlewshoer Havey Signature		Date: 1/20/17
Kathleen Scott Havey Printed Name of Witness		
Witnessed by: Rignature		Date: 1/20/17
Rene O Menders Printed Name of Witness		J.

TROUTMAN SANDERS

PATENT

REEL: 049953 FRAME: 0422