506269025 09/24/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6315772

UBMISSION TYPE: NEW ASSIGNMENT				
ATURE OF CONVEYANCE: ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ			
		Name	Execution Date	
SANKAR NAIR			12/12/2017	
NIKITA KEVLICH			12/07/2017	
FERESHTEH RASHIDI			08/07/2019	
MEISHA SHOFNER			10/30/2017	
SCOTT SINQUEFIELD			11/17/2017	
ZHONGZHEN WANG			12/14/2017	
RECEIVING PARTY DA Name:		GIA TECH RESEARCH CORPORATION	N	
Street Address:	505 TI	505 TENTH STREET, N.W.		
City:	ATLA	ATLANTA		
State/Country:	GEOF	GEORGIA		
•	30332-0415			
Postal Code:	30332	-0415		
Postal Code:]	

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: ronna.		.berman@troutmansanders.com	
Correspondent Name: TROL		JTMAN PEPPER HAMILTON SANDERS LLP	
Address Line 1: 600 P		EACHTREE STREET, NE	
Address Line 2: SUITE		Ξ 3000	
Address Line 4:	ATLANTA, GEORGIA 30308		
ATTORNEY DOCKET NUMBER:		011529.113620 (GTRC7242CO	
NAME OF SUBMITTER:		RYAN A. SCHNEIDER	
SIGNATURE:		/Ryan A. Schneider, Reg. #45083/	
DATE SIGNED:		09/24/2020	

Total Attachments: 8

ASSIGNMENT

WHEREAS, We, Fereshteh Rashidi, Sankar Nair, Nikita Kevlich, Meisha Shofner, Scott Sinquefield, and Zhongzhen Wang ("Assignors"), have invented certain improvements in "Black Liquor Concentration by a Membrane Comprising Graphene Oxide on Porous Polymer, for which an Application was filed September 12, 2017, and provided U.S. Application No. 15/702,536 claiming priority to U.S. Provisional Patent Application No. 62/393,226 filed September 12, 2016, 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 Assignors' 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, Assignors have and by these presents do hereby sell, assign, transfer and convey unto said Assignee all of Assignors' rights, title, and interest in and to said Application, including in and to any conventional, division, continuation, continuation-in-part, substitution, reissue, renewal, re-exam, 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 Assignors hereby request 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, Assignors, by these presents do sell, assign, and transfer to Assignee all of Assignors' 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, Assignors agree, 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

PATENT TROUTMAN SANDERS REEL: 053871 FRAME: 0187 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.

IN WII Decemb	NESS WHEREOF, I have he <u>E R</u> , 2017.	Λ	d and seal this 12^{th} day of
		Sankar Natr	***************************************
Witnessed by:	Signature	Date:	12/12/12
	Corsten Stevers Printed Name of Witness		
Witnessed by: _	Rochelle Moses	Date:	12-12-17
	Rochelle Moses		
	Printed Name of Witness		

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2017.

(SEAL)

TROUTMAN

SANDERS

PATENT

REEL: 053871 FRAME: 0188

State of _____

County of

On this ______ day of ______, 2017, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC My Commission Expires:

(SEAL)

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GTRC7242

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of December , 2017.

<u>Mihita S Kulich</u> (SEAL) Nikita Kevlich

Witnessed by: May M. Hulson Date: 12-7-17-

Mary M Hudson Printed Name of Witness

Witnessed by: Signature

Ammus Ferrer Printed Name of Witness

Date: 12-7-17

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of , 2017.

(SEAL)

Nikita Kevlich

State of _____

County of _____

On this _____ day of ______, 2017, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

Page 3 of 8

	, 2019.	nereunto set my hand and seal this day of
		(SEAL) (SEAL)
Witnessed by:		Date:
	Signature	
	Printed Name of Witness	
Witnessed by:		Date:
	Signature	
	Printed Name of Witness	
State of County of	<u>F</u> , 2019.	hereunto set my hand and seal this <u>7th Aug</u> day of <u>How (SEAL)</u> Fereshteh Rashidi
and known to b	$2^{\cancel{2}}$ day of <u>August</u> be the individual described in dged the same to be his free	, 2019, before me, a notary public, came to me known n and who executed the foregoing assignment, and he act and deed.
		Mary T. Brown NOTARY PUBLIC
(SEAL)		My Commission Expires: May 24, 2023
		Mary T. Brown Notary Public State of New York No. 01BR6325490 Qualified In Cortland County My Commission Expires May 26, 2023
		Page 4 of 8

PATENT TROUTMAN SANDERS REEL: 053871 FRAME: 0190

	, 2017,	e hereunto set my hand and	
			(SEAL)
		Meisha Shofner	(SEAL)
Witnaccad bu-			
minicised by.	Signature	Date:	
	Printed Name of Witnes		
Witnessed by: _		Date:	
	Signature		
-			
	Printed Name of Witnes	8	
SECTION BEL	OW IS FOR USE ONLY	IF SIGNING IN PRESENC	CE OF A NOTARY
			<u>(</u> .
A , IN WIT	NESS WHEREOF I have	e hereunto set my hand and s	2 Mb
ctober	, 2017.	s noreanto ser my nana ana s	seal this <u>2</u> day of
		N 10 10 10 10 10 10 10 10 10 10 10 10 10	
		Nuliza	(SEAL)
- AF	00010	Meisha Shofner	(SEAL)
	oraig-	Much Boomer Meisha Shofner	<u>(</u> SEAL)
	okaig- Ekarb	Much Roger Meisha Shofner	(SEAL)
State of <u>AEA</u> County of			
County of			
County of On this and known to b	3D day of October e the individual described	_, 2017, before me, a notary	(SEAL) y public, came to me known regoing assignment, and he
County of On this and known to b		_, 2017, before me, a notary	
County of On this and known to b duly acknowled	D day of <u>OUBbe</u> e the individual described ged the same to be his fre	2017, before me, a notary in and who executed the for e act and beed.	
County of D On this and known to be duly acknowled	D day of <u>OUBbe</u> e the individual described ged the same to be his fre	_, 2017, before me, a notary	
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County of On this and known to be duly acknowled 0202 b2386 sources of the second Alunopals states of the second all 3Md W N	D day of <u>October</u> e the individual described ged the same to be his fre	2017, before me, a notary in and who executed the for e act and beed. NOTARY PUBLIC My Commission Expires	y public, came to me known regoing assignment, and he
County of On this and known to be duly acknowled 0202 b2386 sources of the second Alunopals states of the second all 3Md W N	D day of <u>October</u> e the individual described iged the same to be his fre	2017, before me, a notary in and who executed the for e act and beed. NOTARY PUBLIC My Commission Expires	y public, came to me known regoing assignment, and he
County of On this and known to be duly acknowled D202 b2361 Source b2361 Sour	D day of <u>October</u> e the individual described iged the same to be his fre	2017, before me, a notary in and who executed the for e act and beed. NOTARY PUBLIC My Commission Expires	y public, came to me known regoing assignment, and he

PATENT REEL: 053871 FRAME: 0191

	VESS WHEREOF, I have , 2017.	hereunto set my hand and seal this day of	\$
		(SEAL) Scott Sinquefield	
Witnessed by: _	Signature	Date:	
~	Printed Name of Witness		
Witnessed by:	Signature	Date:	
*	Printed Name of Witness	 \$	
SECTION BEL	OW IS FOR USE ONLY	IF SIGNING IN PRESENCE OF A NOTARY	
IN WITH Novem 6-	VESS WHEREOF, I have	hereunto set my hand and seal this day of	ř
State of <u>(xor</u> County of <u></u>	<u>Joz</u>	Scott Sinquefield (SEAL)	
and known to be	2 day of <u>) ///////</u> the individual described ged the same to be his free	_, 2017, before me, a notary public, came to me kn in and who executed the foregoing assignment, and e act and deed.	own I he
		NOTARY PUBLIC	
(SEAL)	DEORGIA	My Commission Expires:	
	Carco A	Page 6 of 8	
GTRC7242		PATENT T REEL: 053871 FRAME	ROUTMAN ANDERS :: 0192

IN WITH December	ESS WHEREOF, I have H	nereunto set	my hand and	seal this	1_day of
		$\overline{\mathcal{Z}}$	m	Way	(SEAL)
	, T	Zhongzho		4	
Witnessed by: _	Rong guo Wonn Signature	E C	Date: <u>12</u>	/14/20	17
	Rong quo Wang				

Printed Name of Witness

CHUNYAN XU Printed Name of Witness

Date: 12/30/2017

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2017.

(SEAL) Zhongzhen Wang

State of

County of _____

On this ______day of ______, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

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PATENT TROUTMAN SANDERS REEL: 053871 FRAME: 0193 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)

- Song Bray By: Terry Bray Name:

Title:

Authorized Signatory

Witnessed by: Hallun horr Hawey Signature

Kathleen Scott Havey Printed Name of Witness

Witnessed by: Rei O.M. Signature

Rene O. Menders Printed Name of Witness

Date: 1/20/17

Date: 1/20/17-

RECORDED: 09/24/2020