07/13/2017 504455838

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4502539

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL A. FILLER	12/23/2015
SVEN HOLGER BEHRENS	12/23/2015
LAURENS VICTOR BREEDVELD	12/23/2015

RECEIVING PARTY DATA

Name:	GEORGIA TECH RESEARACH CORPORATION
Street Address:	505 TENTH STREET, N.W.
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30332-0415

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15540622

CORRESPONDENCE DATA

Fax Number: (404)885-3900

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: 404-885-3250

Email: ronna.berman@troutmansanders.com

RONNA A. BERMAN Correspondent Name:

Address Line 1: 600 PEACHTREE STREET

Address Line 2: **SUITE 5200**

Address Line 4: ATLANTA, GEORGIA 30308-2216

ATTORNEY DOCKET NUMBER:	GTRC6891
NAME OF SUBMITTER:	RYAN A. SCHNEIDER
SIGNATURE:	/Ryan A. Schneider, Reg. #45083/
DATE SIGNED:	07/13/2017

Total Attachments: 5

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PATENT REEL: 043000 FRAME: 0309

ASSIGNMENT

WHEREAS, We, Michael A. Filler, Sven Holger Behrens, and Laurens Victor Breedveld (collectively referred to as "Assignors"), have invented certain improvements in "METHODS FOR THE CONTINUOUS, LARGE-SCALE MANUFACTURE OF FUNCTIONAL NANOSTRUCTURES," for which a PCT Application was filed December 29, ______, 2015, and provided Serial No. PCT/US2015/067832 ______, which claims priority to US Provisional Application No. 62/097,172, filed December 29, 2014, 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, Assignor has and by these presents does 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, 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 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, Assignor, 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, Assignor 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 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.

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any and all past infringement of all said Ap Applications, including said inventions and of this Assignment.	ns to sue for damages and other remedies with respect to oplication, Related US Applications, and Related Foreign d improvements which may have occurred before the date
IN WITNESS WHEREOF, I have <u>Decembe</u> , 2015.	hereunto set my hand and seal this 23 day of Maddle (SEAL)
	Michael A. Filler
Witnessed by January Signature	12/23/15
Jaime Filler Printed Name of Witness	
Witnessed by: //eo/lossessed by: Signature	Date: <u>/2/23//5</u>
<u>Heather Ton Lo</u> Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY	IF SIGNING IN PRESENCE OF A NOTARY
IN WITNESS WHEREOF, I have, 2015.	hereunto set my hand and seal this day of
	76(1) A Y Y
	Michael A. Filler
State of	Michael V. Line:
State of	
County of	
On thisday of known to be the individual described in a acknowledged the same to be his free act	, 2015, before me, a notary public, came to me known and nd who executed the foregoing assignment, and he duly and deed.
	NOTARY PUBLIC
(SEAL)	My Commission Expires:

AND, for the same consideration, Assignor also hereby sell, assign and transfer unto

IN WITNESS WHEREOF, I have hereunto so December, 2015.		
	1 11-71. (SEAL)	
-	Sven Holger Rehrens	
Witnessed by: Signature	Sven Holger Behrens Date: 12/23/2015	
Jenni fee Curtis Printed Name of Witness		
Witnessed by: Signature	Date: 12/25/2015	
Thomas W. LayField Printed Name of Winness		
SECTION BELOW IS FOR USE ONLY IF S	SIGNING IN PRESENCE OF A NOTARY	
IN WITNESS WHEREOF, I have her, 2015.	eunto set my hand and seal this day of	
	(SEAL)	
State of	Sven Holger Behrens	
County of		
On this, day of, 2015, 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.		
Ĩ	NOTARY PUBLIC	
(SEAL)	My Commission Expires:	
IN WITNESS WHEREOF, I have hereunto so	et my hand and seal this day of 3	

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IN WITNESS WHEREOF, I have hereunto	set my hand and seal this 23 ml day of
<u>December</u> , 2015.	J. Staddeld (SEAL)
8 X	Laurens Victor Breedveld
Witnessed by: Signature	
Heather Town Lin Store Printed Name of Witness	<u>; </u>
Witnessed by: <u>January</u> Signature	Date: 12/23/15
<u>Jainne Filler</u> Printed Name of Witness	
SECTION BELOW IS FOR USE ONLY IF	SIGNING IN PRESENCE OF A NOTARY
IN WITNESS WHEREOF, I have h, 2015.	ereunto set my hand and seal this day of
	(SEAL)
	Laurens Victor Breedveld
State of	
County of	
On thisday ofknown to be the individual described in and acknowledged the same to be his free act ar	2015, before me, a notary public, came to me known and who executed the foregoing assignment, and he duly addeed.
	NOTARY PUBLIC
(SEAL)	My Commission Expires:

In Witness Whereof, Assignee hereby accepts conveyance unto said Assignee of the full, excl said Application, Related US Applications a authorized officer this day of	usive and and Relate	entire right, title, and interest in and to ed Foreign Applications, by its duly
	Georgia (Assigno	Tech Research Corporation
	By:	- Suy Bray
	Name:	Terry Bray
	Title:	Authorized Signatory
Witnessed by: Katller shoet Havey Signature		Date: 1/20/17
Kathleen Scott Havey Printed Name of Witness		
Witnessed by: Signature		Date: 1/20 /17
<u>Rene' O. Mardors</u> Printed Name of Witness		