

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6879555

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHYH-CHIANG SHEN	07/16/2018
THEERADETC DETCHPROHM	07/16/2018
RUSSELL DEAN DUPUIS	08/14/2018
YOUNG JAE PARK	07/14/2018
OLIVER MORENO	06/28/2018
RECEIVING PARTY DATA	
Name:	GEORGIA TECH RESEARCH CORPORATION
Street Address:	926 DALNEY STREET NW
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30318
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16496782
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Email:	ronna.berman@troutman.com
Correspondent Name:	TROUTMAN PEPPER HAMILTON SANDERS LLP
Address Line 1:	600 PEACHTREE STREET, NE
Address Line 2:	SUITE 3000
Address Line 4:	ATLANTA, GEORGIA 30308
ATTORNEY DOCKET NUMBER:	011529.113439 (GTRC7525)
NAME OF SUBMITTER:	RYAN A. SCHNEIDER
SIGNATURE:	/Ryan A. Schneider, Reg. #45083/
DATE SIGNED:	08/24/2021
This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 7	

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any and all Letters Patent of the United States resulting from said Application and Related US Applica
Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal represen

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assi
of Assignor's rights, title and interest in and to any foreign and international applications related to
seeking benefit of said Application and Related US Applications, and in and to all inventions and improv
thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Pat
similar protective rights granted on said Related Foreign Applications, and in and to the right to cla
applicable priority rights arising from or required for said Related Foreign Applications under the term
applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed an
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 e
to sign all lawful papers, execute said Application, Related US Applications and Related Foreign Appli
make all assignments and rightful oaths, assist in prosecution of said Application, Related US Applicati
Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything rea
possible to aid Assignee its successors, assigns, and nominees, to obtain and enforce proper protection
said inventions and improvements in all countries throughout the world.

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

GTRC7525PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 16th day of July, 2018.

[Signature] (SEAL)
Shyh-Chiang Shen

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

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 14th day of August, 2018.

[Signature] (SEAL)
Shyh-Chiang Shen

State of Georgia

County of Dekalb

On this 14th day of August, 2018, 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.

[Signature]
NOTARY PUBLIC

My Commission Expires: 9-16-2021

(SEAL)

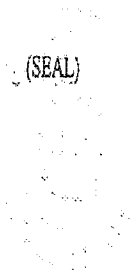
State of GEORGIA

County of DEKALB

On this 11th day of August, 2018, 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.

[Signature]
NOTARY PUBLIC

My Commission Expires: 9-16-2021



GTRC7525PCT

troutman
sanders

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2018.

Russell Dean Dupuis (SEAL)

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

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 17th day of AUGUST, 2018.

Russell Dean Dupuis (SEAL)

State of CA

County of Foothill

On this 14th day of August, 2018, 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.

Clara J. Jue
NOTARY PUBLIC

(SEAL)

My Commission Expires:

9-16-2021

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11th day of July, 2018.

Y. Park (SEAL)
Young Jae Park

Witnessed by: _____
Signature

Date: _____

Printed Name of Witness

Witnessed by: _____
Signature

Date: _____

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 _____, 2018.

Y. Park (SEAL)
Young Jae Park

State of CA

County of DeKalb

On this 12th day of August, 2018, 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.

M. Claudia J. And
NOTARY PUBLIC

(SEAL)

My Commission Expires:
9-16-2021

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of June, 2018.

[Signature] (SEAL)
Oliver Moreno

Witnessed by: [Signature]
Signature

Date: 6/28/18

Quashandra Daniels
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 6/28/18

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 28th day of June, 2018.

[Signature] (SEAL)
Oliver Moreno

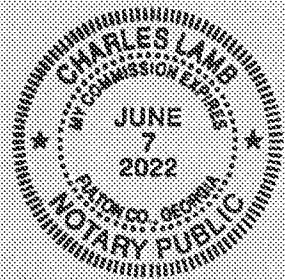
State of Georgia

County of Fulton

On this 28th day of June, 2018, 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.

[Signature]
NOTARY PUBLIC

(SEAL)



My Commission Expires: 6/7/2022

GTRC7525PCT

troutman
sanders

PATENT

REEL: 057267 FRAME: 0949

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: Terry Bray

Name: Terry Bray

Title: Authorized Signatory

Witnessed by: Kathleen Scott Havey
Signature

Date: 1/20/17

Kathleen Scott Havey
Printed Name of Witness

Witnessed by: Rene O. Sanders
Signature

Date: 1/20/17

Rene O. Sanders
Printed Name of Witness

TROUTMAN
SANDERS

PATENT