

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HANG QI	01/15/2019
KAI YU	01/15/2019
QIAN SHI	01/04/2019
XIAO KUANG	07/13/2022
RECEIVING PARTY DATA	
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City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30318
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17819335
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NAME OF SUBMITTER:	LAWRENCE A. VILLANUEVA
SIGNATURE:	/Lawrence A. Villanueva/
DATE SIGNED:	12/13/2022
Total Attachments: 7	
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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Hang Qi	c/o Georgia Tech Research Corporation 505 10 th Street, NW Atlanta, GA 30332
Kai Yu	c/o Georgia Tech Research Corporation 505 10 th Street, NW Atlanta, GA 30332
Qian Shi	c/o Georgia Tech Research Corporation 505 10 th Street, NW Atlanta, GA 30332

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**METHODS OF RECYCLING AND RESHAPING THERMOSETTING POLYMERS AND
COMPOSITES THEREOF,**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on December 31, 2018, and assigned Serial No. 16/314,549, and
- ☒ further described in PCT Application No. PCT/US2017/040596, filed July 3, 2017 and U.S. Provisional application, filed with the USPTO on July 1, 2016, and assigned Serial No. 62/357,642.

WHEREAS, **Georgia Tech Research Corporation**, having a place of business at 505 10th Street, N.W., Atlanta, GA 30332, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in said invention(s) and provisional application and in any and all U.S. and foreign patents which may be granted on the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the

rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

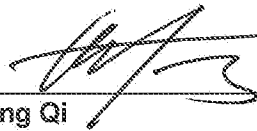
ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.


ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.


Date: 1/15/2019


Hang Qi

Date: 1/15/2019


Witness: Devin Roach

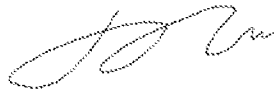
Date: 1/15/2019


Witness: Stuart Montgomery



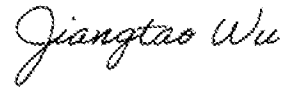
Kai Yu

Date: 1/15/2019



Witness: Xiaoming Mu

Date: 1/15/2019



Witness: Jiangtao Wu

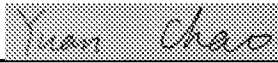
Date: 1/4/2019



Qian Shi

Date: 01/04/2019

Yuan Chao

Witness: 

Date: 01/04/2019

Zeang Zhao

Witness: 

Date: 01/04/2019

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, **Xiao Kuang** ("Inventor"), having a residence in Atlanta, GA, has invented or contributed to the inventions described in the following listed patent application(s) that has/have been or will be filed in the patent office(s) of the following identified country(ies):

Title	Country	Patent No./ App. No.	Issue Date/ Filing Date
METHODS OF RECYCLING AND RESHAPING THERMOSETTING POLYMERS AND COMPOSITES THEREOF	US	10,829,612	11/10/2020
METHODS OF RECYCLING AND RESHAPING THERMOSETTING POLYMERS AND COMPOSITES THEREOF	US	17/089,401	11/04/2020

WHEREAS, for the purposes of this Assignment, "Patent Application" means, individually and collectively, any and all (a) patent application(s) listed above, (b) patent application(s) filed anywhere in the world that claim the benefit of priority, whose benefit of priority is claimed, or share a claim of priority with, such application(s), including any foreign counterpart, continuation, continuation-in-part, divisional, reissue, reexamination or substitute application thereof, and (c) inventions described in, and patents issuing from, any patent application(s) described in clauses "(a)" or "(b)" of this paragraph; and "including" means "including, by way of example and not limitation"; and

WHEREAS, **Georgia Tech Research Corporation** ("Assignee"), having a place of business at 926 Dalney Street NW, Atlanta, GA 30318, wishes to obtain all of Inventor's rights in the Patent Application.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Inventor confirms that, to the extent Inventor has not already assigned all right, title and interest in the Patent Application to Assignee, Inventor hereby assigns and agrees as follows.

Inventor agrees to assign and hereby does assign the entire right, title and interest in the Patent Application to Assignee, including all rights and privileges and all forms of protection that may be granted anywhere in the world arising out of the filing, publication or grant of the Patent Application, including the right to seek and collect past damages. Inventor authorizes Assignee (or Assignee's designated successor(s) or assign(s) of the Patent Application) to make application for and obtain such protection in its own name and maintain such protection anywhere in the world, and to invoke and claim for any application for patent or other form of protection for the Patent Application, without further authorization from Inventor, including any right to claim the benefit of priority provided by any treaty, convention or agreement. Inventor requests that all patents issuing from the Patent Application be issued to Assignee or its successors or assigns.

Inventor hereby consents that a copy of this Assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for the Patent Application (including inventions described therein) and to claim the benefit of the right to priority.

Inventor shall, without charge to Assignee but at its expense with respect to Inventor's reasonable out-of-pocket costs (to which Assignee must consent in advance), sign and take all rightful oaths, and do all acts that Assignee deems necessary or may reasonably request, in connection with the Patent Application or other forms of protection of the inventions described therein, and for the defense and protection thereof if challenged in a court of law or equity. Unless prohibited by law, Inventor agrees not to challenge the validity or patent eligibility of any claim currently or later appearing in the Patent Application.

Inventor authorizes Assignee or its agents to insert above, on Inventor's behalf, the filing date and/or application number of the identified application(s) if not known or listed above as of the date of execution of this document. Inventor further authorizes Assignee to confirm its acceptance of this Assignment by adding Assignee's name and authorized signature below.

This Assignment, including any questions relating to its validity, shall be governed by federal laws of the United States and the state laws of Georgia, as applicable, without regard to a jurisdiction's conflicts of law rules.

IN WITNESS WHEREOF, this agreement is executed and agreed to by Inventor, being signed by Inventor on the date below.

Signature: Xiao Kuang

Name: **Xiao Kuang**

Date: 07/13/2022