

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6039483

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAVID HINKS	10/02/2015
GUAN WANG	10/08/2015
XIUZHU FEI	10/08/2015
HAROLD FREEMAN	10/08/2015
RECEIVING PARTY DATA	
Name:	NORTH CAROLINA STATE UNIVERSITY
Street Address:	1021 MAIN CAMPUS DRIVE, 2ND FLOOR
City:	RALEIGH
State/Country:	NORTH CAROLINA
Postal Code:	27606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15928136
CORRESPONDENCE DATA	
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<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>	
Phone:	703-790-7916
Email:	Kathy.Oliver@wbd-us.com
Correspondent Name:	WOMBLE BOND DICKINSON (US) LLP
Address Line 1:	P.O. BOX 7037
Address Line 4:	ATLANTA, GEORGIA 30357-0037
ATTORNEY DOCKET NUMBER:	N61824 1470US (0261.1)
NAME OF SUBMITTER:	SCOTT R. BREINING, PH.D.
SIGNATURE:	/scott r breining/
DATE SIGNED:	03/31/2020
Total Attachments: 6	
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WORLDWIDE INVENTION ASSIGNMENT

WHEREAS, the undersigned (hereinafter collectively referred to as "Assignor") has or may have invented certain inventions and improvements disclosed in the United States patent application entitled "METHOD FOR DECOLORIZING TEXTILE MATERIALS" and designated as

- Application No. 62/222,993; filed September 24, 2015
- Application claims priority from Application No. , filed , all applications listed above being hereinafter referred to as the "Application(s)";

WHEREAS, it is agreed that

North Carolina State University
1021 Main Campus Drive, 2nd Floor
Raleigh, NC 27606

(hereinafter referred to as "Assignee"), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, does sell, assign, and transfer unto Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all inventions and improvements disclosed and described in the Application(s); (ii) in and to said Application(s) and any other United States national stage, provisional, non-provisional, divisional, continuation, continuation-in-part, or design patent applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s) (the "U.S. Applications"); (iii) in and to any Patent Cooperation Treaty applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv) in and to any and all applications for industrial property protection, including without limitation applications for patent, utility model, inventor's certificate, and design, filed or which are hereafter filed in countries outside the United States (the "Foreign Applications") and which describe in whole or in part said inventions and improvements, said Foreign Applications to be

filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.

AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns, any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments, and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignor covenants with Assignee, its successors, legal representatives, and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives, and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is effective at least as early as September 24, 2015 the earliest priority date of the Application(s).

[SIGNATURE PAGE FOLLOWS]

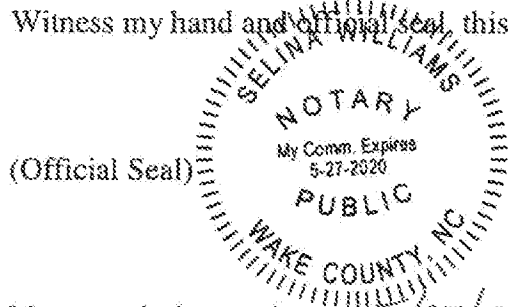
Oct 2, 2015
Date

David Hinks
DAVID HINKS

State of North Carolina)
County of Wake)

I, Selina Williams, a Notary Public for said County and State, do hereby certify that DAVID HINKS personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 2nd day of October, 2015.



Selina Williams
Notary Public

My commission expires 5/27/2020

Date 10/18/2015

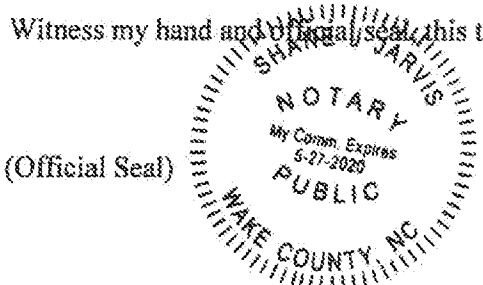
Guan Wang
GUAN WANG

State of North Carolina

County of Wake

I, Shane J. Jarvis, a Notary Public for said County and State, do hereby certify that GUAN WANG personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this the 8th day of October, 2015.



Shane J. Jarvis
Notary Public

My commission expires 5-27-2020

10/08/2015

Date

XIUZHU FEI

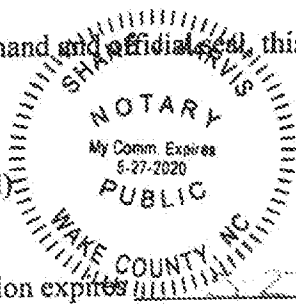
State of North Carolina

County of Wake

I, Shane J. Jarvis, a Notary Public for said County and State, do hereby certify that XIUZHU FEI personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8th day of October, 2015.

(Official Seal)



Shane J. Jarvis
Notary Public

My commission expires 6-27-2020

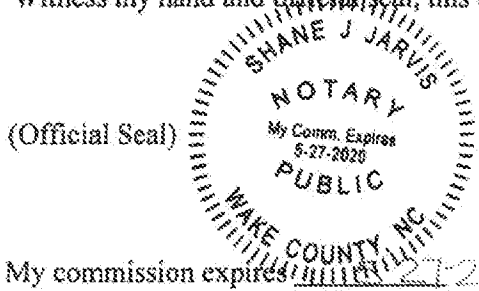
10/8/2015
Date

Harold Freeman
HAROLD FREEMAN

State of North Carolina
County of Wake

I, Shane Jarvis, a Notary Public for said County and State, do hereby certify that HAROLD FREEMAN personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 8th day of October, 2015.



Shane Jarvis
Notary Public

My commission expires 9-27-2020