### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5579026

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTOPHER M. HOFFMAN JR.	06/17/2019
ZHIYONG XIA	06/17/2019
JAMES K. JOHNSON	06/17/2019

#### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16445310

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	4781-6400
NAME OF SUBMITTER:	NOAH J. HAYWARD
SIGNATURE:	/Noah J. Hayward/
DATE SIGNED:	06/19/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3** source=hoffman#page1.tif source=xia#page1.tif

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# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	CONTAMINATE SEQUESTERING COATINGS AND METHODS OF USING THE SAME
As the below nam	ed inventor, I hereby declare that:
is directed to:	The attached application, or United States application or PCT international application number filed on
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowle by fine or imprisor	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 iment of not more than five (5) years, or both.
Maryland and navi ASSIGNEE, desire	ohns Hopkins University, a corporation organized and existing under the laws of the State of ing its principal place of business at Baltimore, Maryland, hereinafter referred to as the as to acquire the entire right, title and interest in and to said invention and to any Letters Patent ated therefore in the United States and its territories and in any and all foreign countries.
to the ASSIGNEE and in all foreign o granted for said inv	RE, in consideration of my employment by the ASSIGNEE, I do hereby sell, assign and transfer the entire right, title and interest in and to said invention in the United States and its territories ountries and the entire right, title and interest in and to any and all Letters Patent which may be rention in the United States and its territories and in any and all foreign countries and in and to us, reissues, continuations, substitutions and renewals thereof.
toreign countries to entire right, title an	and request the Patent Office Officials in the United States and its territories and any and all sissue any and all sissue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my dinterest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and end of the term for which said Letters Patent may be granted.
representatives, upo statements or other United States or for said application, or assigns and legal re	ree to make, execute and deliver to the ASSIGNEE, its successors, assigns and legal on request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, instruments that may be necessary in the prosecution of the aforesaid application, and of any reign applications, and of any divisions, reissues, continuations, substitutions and renewals of applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, presentatives in every way in protecting said invention as may be requested, provided, however to pay any expenses arising from extending such assistance.
LEGAL NAME OF	INVENTOR
Inventor: Christo	pher M. Hoffman, Jr.
Signature: \( \)	1000 C/17/19
	FEIT / A DE Depoket No. 4781-6400

## DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	CONTAMINATE SEQUESTERING COATINGS AND METHODS OF USING THE SAME
As the below name	ed inventor, I hereby declare that:
This declaration is directed to:	The attached application, or United States application or PCT international application number
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
I hereby acknowle by fine or imprisor	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
Maryland and havi ASSIGNEE, desire	ohns Hopkins University, a corporation organized and existing under the laws of the State of ng its principal place of business at Baltimore, Maryland, hereinafter referred to as the to acquire the entire right, title and interest in and to said invention and to any Letters Patent ted therefore in the United States and its territories and in any and all foreign countries.
to the ASSIGNEE and in all foreign c granted for said inv	RE, in consideration of my employment by the ASSIGNEE, I do hereby sell, assign and transfer the entire right, title and interest in and to said invention in the United States and its territories ountries and the entire right, title and interest in and to any and all Letters Patent which may be rention in the United States and its territories and in any and all foreign countries and in and to as reissues, continuations, substitutions and renewals thereof.
foreign countries to entire right, title an	and request the Patent Office Officials in the United States and its territories and any and all sissue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my d interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and end of the term for which said Letters Patent may be granted.
I hereby further agree to make, execute and deliver to the ASSIGNEE, its successors, assigns and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any divisions, reissues, continuations, substitutions and renewals of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns and legal representatives in every way in protecting said invention as may be requested, provided, however that I shall not have to pay any expenses arising from extending such assistance.	
LEGAL NAME OF	INVENTOR
Inventor: Zhiyon	g Xia
Signature:	Date: 06117/2019
eee	JHU/APL Docket No.: 4781-6400

### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT

Title of Invention	CONTAMINATE SEQUESTERING COATINGS AND METHODS OF USING THE SAME
As the below nam	ed inventor, I hereby declare that:
This declaration is directed to:	The attached application, or United States application or PCT international application number
The above-identifi	ed application was made or authorized to be made by me.
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.
	dge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
Maryland and having ASSIGNEE, desired	ohns Hopkins University, a corporation organized and existing under the laws of the State of ing its principal place of business at Baltimore, Maryland, hereinafter referred to as the es to acquire the entire right, title and interest in and to said invention and to any Letters Patent ated therefore in the United States and its territories and in any and all foreign countries.
to the ASSIGNEE and in all foreign of granted for said inv	RE, in consideration of my employment by the ASSIGNEE, I do hereby sell, assign and transfer the entire right, title and interest in and to said invention in the United States and its territories countries and the entire right, title and interest in and to any and all Letters Patent which may be vention in the United States and its territories and in any and all foreign countries and in and to as, reissues, continuations, substitutions and renewals thereof.
foreign countries to entire right, title an	and request the Patent Office Officials in the United States and its territories and any and all o issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my d interest in and to the same, for the sole use and behoof of said ASSIGNEE, its successors and end of the term for which said Letters Patent may be granted.
representatives, upostatements or other United States or for said application, or assigns and legal re	ree to make, execute and deliver to the ASSIGNEE, its successors, assigns and legal on request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, instruments that may be necessary in the prosecution of the aforesaid application, and of any reign applications, and of any divisions, reissues, continuations, substitutions and renewals of applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, expresentatives in every way in protecting said invention as may be requested, provided, however to pay any expenses arising from extending such assistance.
LEGAL NAME OF	FINVENTOR
Inventor: James l	K. Johnson
Signature:	Date: 6-17-19
/	JHU/APL Docket No.: 4781-6400

PATENT REEL: 049513 FRAME: 0116

RECORDED: 06/19/2019