

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5521587

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TIMOTHY J WHITE	04/26/2019
TYLER GUIN	05/02/2019
AZIMUTH CORP	10/18/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Government of the United States as Represented by the Secretary of the Air Force
<b>Street Address:</b>	2240 B. Street
<b>Internal Address:</b>	Building 11, Area B
<b>City:</b>	Wright-Patterson AFB
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45433-7109
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16373110
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)255-3733
<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>	
<b>Email:</b>	pamela.kuns@us.af.mil
<b>Correspondent Name:</b>	PAMELA KUNS
<b>Address Line 1:</b>	2240 B. STREET
<b>Address Line 2:</b>	BUILDING 11, AREA B
<b>Address Line 4:</b>	WRIGHT-PATTERSON AFB, OHIO 45433-7109
<b>ATTORNEY DOCKET NUMBER:</b>	AFD 1733
<b>NAME OF SUBMITTER:</b>	CHASTITY D. S. WHITAKER
<b>SIGNATURE:</b>	/ Chastity DS Whitaker /
<b>DATE SIGNED:</b>	05/14/2019
<b>Total Attachments: 3</b>	
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source=16373110 assignments#page2.tif	



**ASSIGNMENT  
(Government Inventor)**

WHEREAS, I, **TIMOTHY J. WHITE**, while employed by the Government of the United States, made or contributed to an invention described in invention disclosure **1733** entitled "**PROGRAMMABLE COMPOSITES**," to be filed as an application for Letters Patent of the United States (Application Serial Number 16/373,110, filed 2 April 2019), and I hereby authorize and request Air Force Patent Counsel to insert here in the above

parentheses (Application Serial Number, filed) the filing date and application number of said application when known;  
WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;  
WHEREAS, I believe that I am an original joint inventor of a claimed invention in the application;  
WHEREAS, I hereby acknowledge that any willful false statement made in this Declaration/Assignment is punishable under 18 U.S.C. § 1001 by fine, imprisonment of not more than five (5) years, or both; and  
WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States as represented by the Secretary of the Air Force, under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest therein, including foreign rights.

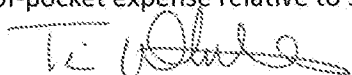
NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, **TIMOTHY J. WHITE**:

**HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED**, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States;

**HEREBY AUTHORIZE AND REQUEST** any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title, and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions, and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made;

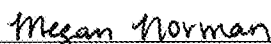
**HEREBY ALSO GRANT** to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title, and interest in the invention or all applications for Letters Patent thereon in all countries or jurisdictions foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the first filing date of any application for United States Letters Patent covering the invention or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me, subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any country or jurisdiction foreign to the United States, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and

**HEREBY AGREE** to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

  
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**TIMOTHY J. White**

SUBSCRIBED AND ACKNOWLEDGED before me by **TIMOTHY J. WHITE** this 26 day of April 2019, at the city of Boulder in the County of Boulder and State of Colorado.

MEGAN NORMAN  
NOTARY PUBLIC  
STATE OF COLORADO  
NOTARY ID 20184005658  
MY COMMISSION EXPIRES FEBRUARY 11, 2020

  
\_\_\_\_\_  
**Notary Public**

**ASSIGNMENT  
(Contractor Inventor)**

**WHEREAS, I, TYLER GUIN**, while employed by **Azimuth Corp.** ("Contractor"), jointly made or contributed to an invention under contract/subcontract number **FA8650-16-D-5404**, as described in invention disclosure **AFD 1733** entitled "**PROGRAMMABLE NANOCOMPOSITES**," to be filed as an application for Letters Patent of the United States (Application Serial Number 16/373,110, filed 2 April 2019), and I hereby authorize and request Air Force Patent Counsel to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known; and

**WHEREAS**, Contractor and/or I, **TYLER GUIN**, has indicated its intention to **NOT** elect title and **NOT** file an application for Letters Patent on the aforesaid invention;

**NOW, THEREFORE**, to all whom it may concern, be it known that in recognition of my obligation to the Government of the United States under the above contract and by agreement, or in consideration of the premises and other valuable consideration, I, **TYLER GUIN**, elect herein to:

**HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED**, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all patent applications claiming priority resulting from the filing of the aforesaid application for patent in the United States in any jurisdiction throughout the world, subject to the reservation of any license to which Contractor and/or I, **TYLER GUIN**, may be entitled under the above contract;

**HEREBY AUTHORIZE AND REQUEST** any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and

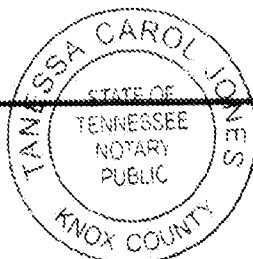
**HEREBY AGREE** to execute, and assist with executing, any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that Contractor and/or I, **TYLER GUIN**, shall not be subject to any out-of-pocket expense relative to such action.

Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes and assigns to the Government of the United States, as represented by the Secretary of the Air Force its entire right, title, and interest throughout the world in and to such inventions, and further agrees to furnish to the Government of the United States, upon request, any available information and documents necessary for the timely preparation, filing, and prosecution of such applications, for Letters Patent.

  
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**TYLER GUIN**

**SUBSCRIBED AND ACKNOWLEDGED** before me by **TYLER GUIN** this 2<sup>nd</sup> day of May 2019, at the city of Knoxville in the County of Knox and State of Tennessee.

  
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**Notary Public**



My Commission Expires Oct. 30, 2022

**PATENT  
REEL: 049171 FRAME: 0584**

INVENTION ELECTION

Azimuth, as employer of Tyler Guin, a named joint inventor with at least one Government employee inventor, in:

Air Force Docket Number	AFD 1733
Title	Programmable Nanocomposites
Government Inventor(s)	Timothy White
FAR Contract Number	FA8650-16-D-5404

(hereafter "the Invention"), hereby signify my intention

to file a patent application for letters patent on the above-referenced Invention and to retain my entire right, title, and interest in the Invention disclosed, subject to any rights to which the Government of the United States is entitled. I further agree to negotiate a separate agreement with the Government of the United States defining joint ownership terms for the Invention.

~or~

not to file a patent application for letters patent on the Invention. I further agree to assign to the Government of the United States, as represented by the Secretary of the Air Force, my entire right, title, and interest throughout the world in the Invention disclosed and any subsequent continuations, continuations-in-part, divisions, and reissues or extensions thereof. I further agree to assist the Government of the United States, upon request, by furnishing any available information and documents, performing all acts, and doing all things that may be reasonably necessary to timely prepare, file, and prosecute such applications and to make the assignment of my entire right, title, and interest effective.

*Valerie K. Rossi*

Signature

VALERIE K. ROSSI

Printed Name

Azimuth

On behalf of

PRESIDENT

Title

10/18/2017

Date

PATENT