

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Loon-Seng Tan</td> <td>04/23/2013</td> </tr> <tr> <td>David Huabin Wang</td> <td>04/23/2013</td> </tr> <tr> <td>UES Inc.</td> <td>05/01/2013</td> </tr> <tr> <td>Kyung Min Lee</td> <td>04/26/2013</td> </tr> <tr> <td>Azimuth Corporation</td> <td>04/26/2013</td> </tr> <tr> <td>Timothy J. White</td> <td>04/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Loon-Seng Tan	04/23/2013	David Huabin Wang	04/23/2013	UES Inc.	05/01/2013	Kyung Min Lee	04/26/2013	Azimuth Corporation	04/26/2013	Timothy J. White	04/26/2013
Name	Execution Date														
Loon-Seng Tan	04/23/2013														
David Huabin Wang	04/23/2013														
UES Inc.	05/01/2013														
Kyung Min Lee	04/26/2013														
Azimuth Corporation	04/26/2013														
Timothy J. White	04/26/2013														
RECEIVING PARTY DATA															
Name:	GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE														
Street Address:	2240 B Street														
City:	Wright-Patterson AFB														
State/Country:	OHIO														
Postal Code:	45433														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13866551</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13866551										
Property Type	Number														
Application Number:	13866551														
CORRESPONDENCE DATA															
Fax Number:	9372553733														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	9379045108														
Email:	pamela.kuns@wpafb.af.mil														
Correspondent Name:	Rebecca M. Greendyke														
Address Line 1:	2240 B Street, Bldg 11														
Address Line 2:	AFMCLO/JAZ														
Address Line 4:	Wright-Patterson AFB, OHIO 45433														
ATTORNEY DOCKET NUMBER:	AFD 1196B														

CH \$40.00 13866551

NAME OF SUBMITTER:	Rebecca Greendyke
Signature:	/Rebecca Greendyke/
Date:	06/26/2013
Total Attachments: 6 source=1 196B decl+assign#page1.tif source=1 196B decl+assign#page2.tif source=1 196B decl+assign#page3.tif source=1 196B decl+assign#page4.tif source=1 196B decl+assign#page5.tif source=1 196B decl+assign#page6.tif	

DECLARATION / ASSIGNMENT
(Inventor with Co-Inventors)

WHEREAS, I, **Loon-Seng Tan**, while employed by the Government of the United States, jointly made an invention with **David Huabin Wang, Kyung Min Lee, and Timothy J. White** described in invention disclosure AFD Docket No. 1196 entitled "Azobenzene-Containing Glassy Polyimides Capable of Photo-Induced Large-Angle Bending", to be filed as an application for Letters Patent of the United States (Application serial number 13/866,551, filed 19 April 2013 (AFD 1196B));

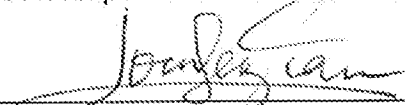
WHEREAS, The above-identified application for Letters Patent was made or authorized to be made by me;

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 or imprisonment of not more than five (5) years, or both;

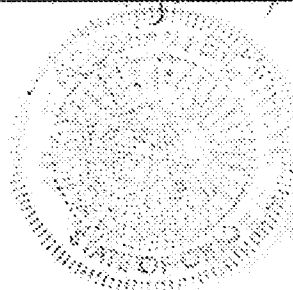
WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, **Loon-Seng Tan**, 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 throughout the world in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States and 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; I 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 I do 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 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 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 foreign country, 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 I 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.

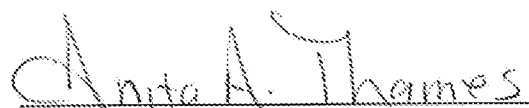


Loon-Seng Tan

SUBSCRIBED AND ACKNOWLEDGED before me by **Loon-Seng Tan** this 23rd day of April 2013, at the city of Dayton in the County of Montgomery and State of Ohio.



ANITA A. THAMES
NOTARY PUBLIC
STATE OF OHIO
My Comm. Expires
August 6, 2016
Montgomery County



Notary Public

PATENT

REEL: 030688 FRAME: 0865

**DECLARATION / ASSIGNMENT
(Inventor with Co-inventors)**

WHEREAS, I, David Huabin Wang, while employed by UES, Inc. ("Contractor"), jointly made an invention with Loon-Seng Tan, Kyung Min Lee, and Timothy J. White under contract/subcontract number Contract Number FA-8650-09-D-5037 described in invention disclosure AFD Docket No. 1196 entitled "Azobenzene-Containing Glassy Polyimides Capable of Photo-Induced Large-Angle Bending", to be filed as an application for Letters Patent of the United States (Application serial number 13/866,551, filed 19 April 2013 (AFD 1196B));

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 or imprisonment of not more than five (5) years, or both; and

NOW, THEREFORE, to all whom it may concern, I, David Huabin Wang, in recognition of my obligation as an employee of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government of the United States under the above contract and by agreement, hereby 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 and to each invention disclosed and claimed in the above application for Letters Patent, made jointly with Loon-Seng Tan, Kyung Min Lee, and Timothy J. White, employee(s) of the Government and Contractor, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract.

I agree to assist the Contractor and the Government of the United States, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to timely prepare, file and prosecute such applications, and make this assignment effective.

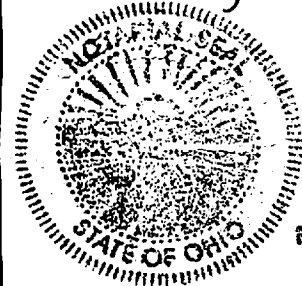
The Contractor joins in and agrees to this assignment and, except for the reservation of any license under the above contract, relinquishes and assigns to the Government of the United States, as represented by the Secretary of the Air Force their entire right, title, and interest throughout the world 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.

David Wang

David Huabin Wang

SUBSCRIBED AND ACKNOWLEDGED before me by David Huabin Wang this 23rd day of

April 2013, at the city of Dayton in the County of Montgomery and State of Ohio.



ANITA A. THAMES
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
August 6, 2016

Montgomery County

Anita A. Thames

Notary Public

CONTRACTOR CERTIFICATION:

I certify that I am an officer or agent of the Contractor herein; and that **David Huabin Wang** who signed this assignment on behalf of the Contractor was then an employee of said Contractor at the time of invention. The Contractor further herein assigns their rights as the employer of **David Huabin Wang** to the Government of the United States consistent with our rights and obligations under contract and statute, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract or statute. This assignment is duly signed below by Contractor's Officer or Agent for and on behalf of said Contractor by authority of its governing body, and is within the scope of the Officer's or Agent's corporate powers.

FOR THE CONTRACTOR

Contractor: UES, Inc.

By: 
(Signature of officer or agent)

Date: 1 May 2013

Printed Name: Rick Weddle

Title: Director of Contracts

Business Address: 4401 Dayton-Xenia Rd, Dayton, OH 45432

Business Phone: 937-426-6900 x 113

DECLARATION / ASSIGNMENT
(Inventor with Co-inventors)

WHEREAS, I, Kyung Min Lee, while employed by Azimuth Corporation ("Contractor"), jointly made an invention with Loon-Seng Tan, David Huabin Wang, and Timothy J. White under contract/subcontract number Contract Number FA-8650-09-D-5434 described in invention disclosure AFD Docket No. 1196 entitled "Azobenzene-Containing Glassy Polyimides Capable of Photo-Induced Large-Angle Bending", to be filed as an application for Letters Patent of the United States (Application serial number 13/866,551, filed 19 April 2013 (AFD 1196B));

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 or imprisonment of not more than five (5) years, or both; and

NOW, THEREFORE, to all whom it may concern, I, **Kyung Min Lee**, in recognition of my obligation as an employee of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government of the United States under the above contract and by agreement, hereby 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 and to each invention disclosed and claimed in the above application for Letters Patent, made jointly with **Loon-Seng Tan, David Huabin Wang, and Timothy J. White**, employee(s) of the Government and Contractor, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract.

I agree to assist the Contractor and the Government of the United States, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to timely prepare, file and prosecute such applications, and make this assignment effective.

The 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 their 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.


Kyung Min Lee

SUBSCRIBED AND ACKNOWLEDGED before me by Kyung Min Lee this 26th day of APRIL 2013, at the city of Dayton in the County of Montgomery and State of Ohio.



ANITA A. THAMES
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
August 2016
Recorded in
Montgomery County


Notary Public

CONTRACTOR CERTIFICATION:

I certify that I am an officer or agent of the Contractor herein; and that **Kyung Min Lee** who signed this assignment on behalf of the Contractor was then an employee of said Contractor at the time of invention. The Contractor further herein assigns their rights as the employer of **Kyung Min Lee** to the Government of the United States consistent with our rights and obligations under contract and statute, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract or statute. This assignment is duly signed below by Contractor's Officer or Agent for and on behalf of said Contractor by authority of its governing body, and is within the scope of the Officer's or Agent's corporate powers.

FOR THE CONTRACTOR

Contractor: Azimuth Corporation

By: 
(Signature of officer or agent)

Date: 4/26/2013

Printed Name: Charles E. Rossi

Title: Vice President

Business Address: 4134 Linden Ave, Dayton OH

Business Phone: 937-256-8571

DECLARATION / ASSIGNMENT
(Inventor with Co-Inventors)

WHEREAS, I, Timothy J. White, while employed by the Government of the United States, jointly made an invention with Loon-Seng Tan, David Huabin Wang, and Kyung Min Lee described in invention disclosure AFD Docket No. 1196 entitled "Azobenzene-Containing Glassy Polyimides Capable of Photo-Induced Large-Angle Bending", to be filed as an application for Letters Patent of the United States (Application serial number 13/866,551, filed 19 April 2013 (AFD 1196B));

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 or imprisonment of not more than five (5) years, or both;

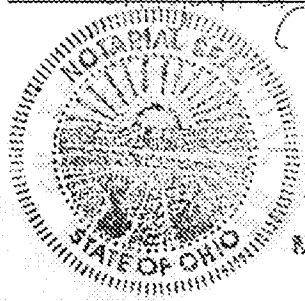
WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

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, 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 throughout the world in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States and 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; I 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 I do 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 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 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 foreign country, 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 I 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.

T. White

Timothy J. White

SUBSCRIBED AND ACKNOWLEDGED before me by Timothy J. White this 20th day of April 2013, at the city of Dayton in the County of Montgomery and State of Ohio



ANITA A. THAMES
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires
August 6, 2016
Recorded In
Montgomery County

Anita A. Thames
Notary Public

PATENT