

PATENT ASSIGNMENT

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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>05/01/2013</td> </tr> <tr> <td>Matthew Dalton</td> <td>05/01/2013</td> </tr> <tr> <td>Ramamurthi Kannan</td> <td>05/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Loon-Seng Tan	05/01/2013	Matthew Dalton	05/01/2013	Ramamurthi Kannan	05/01/2013
Name	Execution Date								
Loon-Seng Tan	05/01/2013								
Matthew Dalton	05/01/2013								
Ramamurthi Kannan	05/01/2013								
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>13475159</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13475159				
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Application Number:	13475159								
CORRESPONDENCE DATA									
Fax Number:	9379043733								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Email:	pamela.kuns@wpafb.af.mil								
Correspondent Name:	Pam Kuns								
Address Line 1:	2240 B Street								
Address Line 2:	AFMCLO/JAZ								
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ATTORNEY DOCKET NUMBER:	AFD-1192								
NAME OF SUBMITTER:	Pam Kuns								
Signature:	/Pam Kuns/								
Date:	05/09/2013								

CH \$40.00 13475159

Total Attachments: 4

source=AFD 1192 (Tan et al) Assignments (signed by everyone)#page1.tif

source=AFD 1192 (Tan et al) Assignments (signed by everyone)#page2.tif

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ASSIGNMENT

WHEREAS I, (Loon-Seng Tan), while employed by the Government of the United States, made jointly with (Matthew J. Dalton, Ramamurthi Kannan) an invention described in invention disclosure AFD 1192 entitled "Two-Photon Absorbing Arylamine-Encapsulated and Dialkylfluorene-bridge Benzobisthiazole Compounds with High Oleophilicity", to be filed as an application for Letters Patent of the United States (Application number 13/475,159, filed 5/18/12), and I hereby authorize and request AFMCLO/JAZ to insert here in the above parentheses (Application number, filed) the filing date and application number of said application when known;

WHEREAS, the conditions under which the joint invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to my 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 joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to 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 United States of America, 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 United States of America 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 United States of America in any patent which may issue on said invention in any foreign country, including the power to issue sublicenses for use in behalf of the United States of America 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.

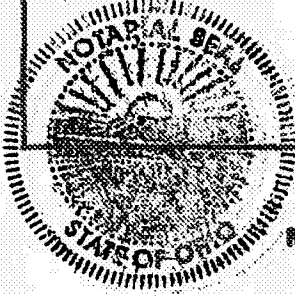


Loon-Seng Tan

SUBSCRIBED AND ACKNOWLEDGED before me by Loon-Seng Tan this 15th day of May 2013, at the city of Dartton in the County of Montgomery and State of Ohio.



Anita A. Thames
Notary Public



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

ASSIGNMENT

Application Title: Two-Photon Absorbing Arylamine-Endcapped and Dialkylfluorene-bridge Benzobisthiazole Compounds with High Olephilicity
Inventor(s): Matthew J. Dalton, Ramamurthi Kannan
Serial No. / Filing Date: 13/475,159 / 5/18/12
Contractor: UTC, GDIT
Contract Number: FA33615-03-D-5421/F8650-07-D-5800
Contractor's Invention No.:
Air Force Invention No.: AFD 1192

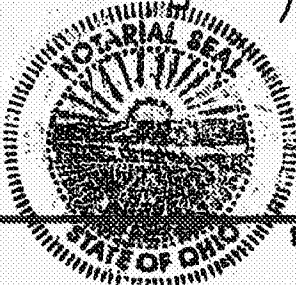
The undersigned inventor(s) in recognition of their obligation as employee(s) of the Contractor to assign inventions to the Contractor, and pursuant to the obligations of the Contractor to the Government of the United States under the above contract, hereby assign to the United States of America, as represented by the Secretary of the Air Force, their entire right, title, and interest throughout the world in and to each invention disclosed and claimed in the above U.S. patent application, made jointly with Loon-Seng Tan, employee of the U.S. Government, and any substitution, division, or continuation of such patent application, subject to the reservation to the Contractor of any license to which the Contractor may be entitled under the above contract.

The Inventor(s) agree to assist the Contractor and the Government, upon request, by furnishing any available information and documents, performing all acts, and doing all things which may be reasonably necessary to 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 United States of America 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, upon request, any available information and documents necessary for the preparation, filing, and prosecution of such applications, for patent.

Inventor [Signature] Matthew J. Dalton

SUBSCRIBED AND ACKNOWLEDGED before me by Matthew J. Dalton this 1st day of May 2012 at the city of Dayton in the County of Montgomery and State of Ohio

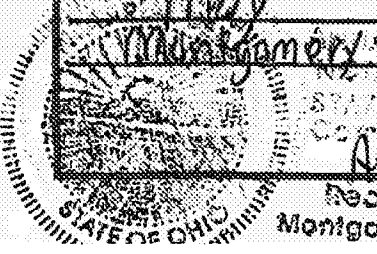


ANITA A. THAMES
NOTARY PUBLIC
STATE OF OHIO
Comm. Expires August 6, 2016
Recorded in

[Signature] Anita A. Thames
Signature - Notary Public

Inventor [Signature] Ramamurthi Kannan

SUBSCRIBED AND ACKNOWLEDGED before me by Ramamurthi Kannan this 1st day of May 2012 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

[Signature] Anita A. Thames
Signature - Notary Public

FOR THE CONTRACTOR

Contractor: Universal Technology Corporation

By: *Patrick J. Adamson*
(Signature of officer or agent)

Date: 6 May 2013

Printed Name: Patrick J. Adamson

Title: President

Business Address: 1270 North Fairfield Rd
Dayton OH 45432

*Sworn to and subscribed in my presence this
6th day of May 2013*

Donna Warner

**DONNA L. VARNER, Notary Public
In and for the State of Ohio
My Commission Expires Oct. 5, 2015**

Recorded in Greene County

FOR THE CONTRACTOR

Contractor: General Dynamics Information Technology

By: 
CHELSEA WHITE (Signature of officer or agent)

Date: 5/8/201

Printed Name: TIM TURNER

Title: VP, CONTRACTS

Business Address: 77 A Street
Needham MA 02494