

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>Mr Timothy White</td> <td>03/07/2012</td> </tr> <tr> <td>Mr. Timothy Bunning</td> <td>03/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mr Timothy White	03/07/2012	Mr. Timothy Bunning	03/07/2012						
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CORRESPONDENCE DATA													
<p>Fax Number: (937)255-3733</p> <p>Phone: 9372552838</p> <p>Email: charles.figer@wpafb.af.mil</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Charles Figer</p> <p>Address Line 1: 2240 B Street</p> <p>Address Line 2: AFMCLO/JAZ</p> <p>Address Line 4: Wright-Patterson AFB, OHIO 45433</p>													
ATTORNEY DOCKET NUMBER:	AFD 1232												
NAME OF SUBMITTER:	Charles R. Figer, Jr.												
<p>Total Attachments: 2</p> <p>source=White-Bunning_Executed_Assignment#page1.tif</p> <p>source=White-Bunning_Executed_Assignment#page3.tif</p>													

CH \$80.00 61417615

ASSIGNMENT

WHEREAS We, (Timothy White and Timothy Bunning), while employed by the Government of the United States, made jointly with (Tamas Kosa, Ludmilla Sukhomlinova, and Bahman Taheri) an invention described in invention disclosure AFD 1232 entitled "Phototropic Liquid Crystal Material and Processes", which was filed as an application for Letters Patent (Application number 61/417,615, filed November 29, 2010 and Application number PCT/11/62299, filed November 29, 2011), and We 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;

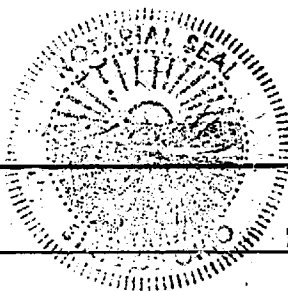
WHEREAS, the conditions under which the joint invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to our entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, We, (Timothy White and Timothy Bunning), 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, and any and all applications for patent and patents in the United States and 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; We 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 our 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 us had this Assignment not been made; and We 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 us 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 us 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 us 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 We shall not be subject to any out-of-pocket expense relative to such action.

Timothy White

Timothy White

SUBSCRIBED AND ACKNOWLEDGED before me this 7 day of March 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

Anita A. Thames
Notary Public

PATENT

REEL: 027827 FRAME: 0971

Timothy Bunning

Timothy Bunning

SUBSCRIBED AND ACKNOWLEDGED before me this 7 day of MARCH 2012, at
the city of DAYTON in the County of MONTGOMERY and State of
OHIO



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