

## 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>Joshua Hagen</td> <td>08/21/2013</td> </tr> <tr> <td>Morley Stone</td> <td>08/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Joshua Hagen	08/21/2013	Morley Stone	08/06/2013
Name	Execution Date						
Joshua Hagen	08/21/2013						
Morley Stone	08/06/2013						
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: 2							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61594683</td> </tr> <tr> <td>PCT Number:</td> <td>US2013024622</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61594683	PCT Number:	US2013024622
Property Type	Number						
Application Number:	61594683						
PCT Number:	US2013024622						
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@us.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 1297						
NAME OF SUBMITTER:	Rebecca M. Greendyke						
Signature:	/Rebecca M. Greendyke/						

PATENT

Date:

08/29/2013

Total Attachments: 2

source=AFD\_1297\_assignment\_TBR#page1.tif

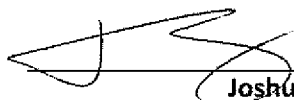
source=AFD\_1297\_assignment\_TBR#page2.tif

**ASSIGNMENT  
(Inventor with Co-Inventors)**

**WHEREAS**, I, **Joshua Hagen**, while employed by the Government of the United States, jointly made an invention with **Ian Papautsky, Morley Stone, and Li Shen** described in invention disclosure AFD 1297 entitled "Chemical and Biological Sensing Using Image Analysis Including Color Conversion and Ambient Light Compensation," to be filed as one or more applications for Letters Patent of the United States (Application serial number 61/594,683, filed February 3, 2012; Application serial number PCT/US13/24622, filed February 4, 2013).

**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, **Joshua Hagen**, 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.


  
Joshua Hagen

SUBSCRIBED AND ACKNOWLEDGED before me by **Joshua Hagen** this 21<sup>st</sup> day of

August 2013, at the city of DAYTON in the County of

Greene and State of OHIO.

*I am authorized as a Notary  
under 10 USC 1094a*

  
TERESA H. BARNES, Lt Col, USAF  
Legal Advisor  
711th Human Performance Wing

**ASSIGNMENT**  
**(Inventor with Co-Inventors)**

**WHEREAS**, I, **Morley Stone**, while employed by the Government of the United States, jointly made an invention with **Joshua Hagen, Ian Papautsky, and Li Shen** described in invention disclosure AFD 1297 entitled "Chemical and Biological Sensing Using Image Analysis Including Color Conversion and Ambient Light Compensation," to be filed as one or more applications for Letters Patent of the United States (Application serial number 61/594,683, filed February 3, 2012; Application serial number PCT/US13/24622, filed February 4, 2013).

**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, **Morley Stone**, 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.

  
\_\_\_\_\_  
Morley Stone

SUBSCRIBED AND ACKNOWLEDGED before me by **Morley Stone** this 6th day of August 2013, at the city of Dayton in the County of Montgomery and State of Ohio.

  
\_\_\_\_\_  
Notary Public  
**TERESA H. BARNES, Lt Col, USAF**  
**Legal Advisor**  
711th Human Performance Wing

*I am authorized as a notary under 10 USC 1044a.*