

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3717019

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
STEPHEN A DANCZYK	12/11/2015
ALIREZA BADAQHSAN	12/11/2015
<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>	AFMCLO/JAZ
<b>City:</b>	WRIGHT-PATTERSON AFB
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45433
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14925383
<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>Phone:</b>	9379045032
<b>Email:</b>	afmclo.jaz.1@us.af.mil
<b>Correspondent Name:</b>	CHARLES FIGER
<b>Address Line 1:</b>	2240 B STREET
<b>Address Line 2:</b>	AFMCLO/JAZ
<b>Address Line 4:</b>	WRIGHT-PATTERSON AFB, OHIO 45433
<b>ATTORNEY DOCKET NUMBER:</b>	AFD 1398
<b>NAME OF SUBMITTER:</b>	CHARLES R. FIGER, JR.
<b>SIGNATURE:</b>	/Charles R. Figer, Jr./
<b>DATE SIGNED:</b>	01/29/2016
<b>Total Attachments: 4</b>	
source=Executed_Assignment#page1.tif	
source=Executed_Assignment#page2.tif	

source=Executed\_Assignment#page3.tif

source=Executed\_Assignment#page4.tif

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

WHEREAS, I, Stephen A Danczyk, while employed by the Government of the United States, jointly made an invention with Alireza Badakhshan described in invention disclosure AFD 1398 entitled "Photo-ignition Torch for Combustion Initiation and Gas Generation", to be filed as an application for Letters Patent of the United States (Application Serial Number 14/925,383, filed October 28, 2015), and I hereby authorize and request AFMCLO/JAZ 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;

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, Stephen A Danczyk:

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 any jurisdiction throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, made jointly with Alireza Badakhshan, 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.

  
Stephen A Danczyk

SUBSCRIBED AND ACKNOWLEDGED before me by Stephen A Danczyk this \_\_\_\_\_ day of \_\_\_\_\_ 2015, at the city of \_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_.

See attached  
for  
Notarization

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

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

WHEREAS, I, Alireza Badakhshan, while employed by Jacobs Technology Inc. ("Contractor"), jointly made an invention with Stephen A Danczyk under contract/subcontract number FA9300-11-C-0001 described in invention disclosure AFD 1398 entitled "Photo-Ignition Torch for Combustion Initiation and Gas Generation", to be filed as an application for Letters Patent of the United States (Application Serial Number 14/925,383, filed October 28, 2015), and I hereby authorize and request AFMCLO/JAZ to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, Contractor has indicated its intention not to file an application for Letters Patent on the aforesaid invention;

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 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;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, and in recognition of my obligation to the Government of the United States under the above contract and by agreement, I, Alireza Badakhshan:

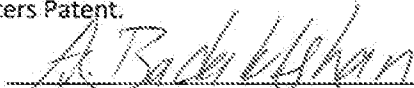
HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in any jurisdiction throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, made jointly with Stephen A Danczyk, 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, subject to the reservation of any license to which Contractor 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;

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, and assist Contractor in 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 I 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 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.

  
Alireza Badakhshan

SUBSCRIBED AND ACKNOWLEDGED before me by Alireza Badakhshan this 11 day of December 2015, at the city of Lancaster in the County of Los Angeles and State of California.

California Notary Certificate  
Attached

Notary Public

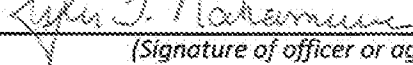
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

**SOPHIA D. ROMERO**  
**COMM. #2129692**  
 Notary Public - California  
**LOS ANGELES COUNTY**  
 My Comm. Exp. Nov. 6, 2019

## REEL: 037615 FRAME: 0490

**CONTRACTOR CERTIFICATION:**

I certify that I am an officer or agent of Contractor herein; and that Alireza Badakhshan who signed this assignment on behalf of Contractor was an employee of said Contractor at the time of invention. Contractor further herein assigns their rights as the employer of Alireza Badakhshan to the Government of the United States as represented by the Secretary of the Air Force consistent with our rights and obligations under contract and statute, subject to the reservation to Contractor of any license to which 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 CONTRACTOR**Contractor: Jacobs Technology Inc.By:   
(Signature of officer or agent)Date: 14 DECEMBER 2015Printed Name: TYLER T. NOHAMUENTitle: VP + GENERAL MANAGERBusiness Address: BODRAC DR, GOWANS CA, 93524Business Phone: (661) 275-5613