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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN A DANCZYK	12/11/2015
ALIREZA BADAKHSHAN	12/11/2015

RECEIVING PARTY DATA

Name:	GOVERNMENT OF THE UNITED STATES, AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE	
Street Address:	2240 B STREET	
Internal Address:	AFMCLO/JAZ	
City:	WRIGHT-PATTERSON AFB	
State/Country:	OHIO	
Postal Code:	45433	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14925383

CORRESPONDENCE DATA

Fax Number: (937)255-3733

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.

Phone: 9379045032

Email: afmclo.jaz.1@us.af.mil **CHARLES FIGER Correspondent Name:** Address Line 1: 2240 B STREET Address Line 2: AFMCLO/JAZ

Address Line 4: WRIGHT-PATTERSON AFB, OHIO 45433

ATTORNEY DOCKET NUMBER:	AFD 1398	
NAME OF SUBMITTER:	CHARLES R. FIGER, JR.	
SIGNATURE:	/Charles R. Figer, Jr./	
DATE SIGNED:	01/29/2016	

Total Attachments: 4

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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 filling 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.

SUBSCRIBED AND ACKNOWLEDGED before me by Stephen A Danczyk this _______ day of _______ and State of _______.

Subscribed _______ in the County of _______ in the County of _______ and State of _______.

DECLARATION / ASSIGNMENT (Inventor with Co-inventors)

Entactions saids Constitutions
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 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 filling 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 l day of
December 2015, at the city of Language in the County of Los Angulu and State of California Confidence Confiden
Saffaring St.

PATENT REEL: 037615 FRAME: 0489

Notary Public

CALIFORNIA ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

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.

State of California	. }
County of LOS ANGELES	_ }
On 12/11/2015 before me,	SOPHIA D. ROMERO, NOTARY PUBLIC (Here Insent and like of the office)
personally appeared ANTEZO	Pada khshan-
name(s) is/are subscribed to the within he/she/they executed the same in his/r	factory evidence to be the person(s) whose instrument and acknowledged to me that ner/their authorized capacity(jes), and that by nent the person(s), or the entity upon behalf of e instrument.
I certify under PENALTY OF PERJUR' the foregoing paragraph is true and co	Y under the laws of the State of California that rrect.
WITNESS my hand and official seal. Notary Public Signature (N	SOPHIA D. ROMERO COMM. #2129692 Notary Public - California LOS ANGELES COUNTY Ny Comm. Exp. Nov. 6, 2019 otary Public Seal)
ADDITIONAL OPTIONAL INFORMAT DESCRIPTION OF THE ATTACHED DOCUMENT DECLO CONTENT (Title or description of attached document) (Title or description of ettached document continued) Number of Pages 2/2 Document Date 12 11 15	if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law. State and County information must be the State and County where the documen signer(s) personally appeared before the notary public for acknowledgment. Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed. The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public). Print the name(s) of document signer(s) who personally appear at the time of
CAPACITY CLAIMED BY THE SIGNER Individual (s) Corporate Officer (Title) Partner(s) Attorney-in-Fact Trustee(s)	notarization. Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. he/she/shey- is /are) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording. The notary seal impression must be clear and photographically reproducible impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form. Signature of the notary public must match the signature on file with the office of the county clerk. Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document. Indicate title or type of attached document, number of pages and date.
2015 Version www.NoteryClasses.com; 800-873-9885	 Indicate one or type of attached document, nameer of pages and care. Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary). Securety attach this document to the signed document with a staple.

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.

Business Phone: ((ムシ) 275-5618

FOR CONTRACTOR

Contractor:	Jacobs Technology Inc.
Ву:	Lylin J. M. Chevrice (Signature of officer or agent)
	(Signotare of Officer or agent)
Date:	14 bazerga Zars
Printed Name:	TYLER T. NOGARUER
Title:	VP & GENELAL WALPAGEL
Business Address:	<u> 800000 00, 600000 04, 93624</u>

PATENT REEL: 037615 FRAME: 0491

RECORDED: 01/29/2016