## 504075735 11/01/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4122402

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID L. PERKINS	03/13/2014
MICHAEL T. PELLETIER	03/11/2014

### **RECEIVING PARTY DATA**

Name:	HALLIBURTON ENERGY SERVICES, INC.
Street Address:	3000 N. SAM HOUSTON PARKWAY E.
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15308044

### **CORRESPONDENCE DATA**

**Fax Number:** (214)932-6499

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:** 214-932-6400

**Email:** sshernandez@mcguirewoods.com

Correspondent Name: ROBERT C. HILTON

Address Line 1: 1750 TYSONS BLVD, SUITE 1400

Address Line 2: MCGUIREWOODS LLP

Address Line 4: TYSONS CORNER, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	2069464-0109PTUS	
NAME OF SUBMITTER:	ROBERT C. HILTON	
SIGNATURE:	/Robert C. Hilton/	
DATE SIGNED:	11/01/2016	

### **Total Attachments: 4**

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> PATENT REEL: 040184 FRAME: 0742

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#### ASSIGNMENT

WHEREAS, I, David L. Perkins, residing at the addresses indicated under my signature below, am an inventor of certain new and useful inventions and improvements for which a PCT application is being made for Letters Patent and is further identified by Attorney's Docket No. HAL057423PCT, and is entitled "Tungsten Halogen Electromagnetic Radiation Source for Optical Systems."

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to Halliburton Energy Services, Inc. (the "Assignee"), a corporation of the State of Delaware, having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas, 77032, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified PCT application for Letters Patent; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the application identified above and any additional priority applications listed below,

Additional Priority Applications: NONE;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions and/or improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such

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improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements;

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

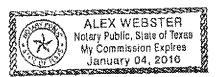
IN TESTIMONY WHEREOF, I have	hereunto set my hand this 13 day of
March 20_14	6) Dale
	David L. Perkins
•	27 Bark Bend Place The Woodlands, TX 77385
STATE OF TX	THE WOOMBINGS, IX 11503
COUNTY OF HUUS	

On this 13 th day of 12 th day of 12 th before me personally appeared David L. Perkins, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

Villeter

[SEAL]

Notary Public



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#### ASSIGNMENT

WHEREAS, I, Michael T. Pelletier, residing at the addresses indicated under my signature below, am an inventor of certain new and useful inventions and improvements for which a PCT application is being made for Letters Patent and is further identified by Attorney's Docket No. HAL057423PCT, and is entitled "Tungsten Halogen Electromagnetic Radiation Source for Optical Systems."

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned do hereby:

SELL, ASSIGN AND TRANSFER to <u>Halliburton Energy Services</u>, <u>Inc.</u> (the "Assignee"), a corporation of the State of <u>Delaware</u>, having a place of business at <u>3000 N. Sam Houston Parkway E.</u>, <u>Houston, Texas.</u> 77032, the entire right, title and interest for the United States and all foreign countries in and to: any and all inventions and improvements which are disclosed in the identified PCT application for Letters Patent; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries on any of such inventions and/or improvements (including any applications for utility models); all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such inventions and/or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and to claim priority based on the application identified above and any additional priority applications listed below,

Additional Priority Applications: NONE;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such inventions and/or improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and/or property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the undersigned will (1) execute all provisional, non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such

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improvements and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such improvements in the Assignee, or for securing, maintaining and enforcing proper patent protection for such improvements:

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned, and is to extend to the benefit of the successors, assigns and nominees of the Assignee.

AGREED as of the date of my signature below:

IN TESTIMONY WHEREOF, I have hereunto set my hand this

Mickael T. Pelletier 7826 Heather Heights Way Houston, TX 77095

STATE OF

COUNTY OF

1. 20/4 before me personally appeared Michael T.

Pelletier, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

EXAMPLY / CADESTY
My Convenies and Espires
Japa 30, 2017

Motary Public

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