PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2898512

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Li Gao | 06/13/2014 |
| Michael T. Pelletier | 06/13/2014 |
| David L. Perkins | 06/13/2014 |

RECEIVING PARTY DATA

| Name: | : HALLIBURTON ENERGY SERVICES, INC. | |
|-----------------|---|--|
| Street Address: | eet Address: 3000 N. SAM HOUSTON PARKWAY E. | |
| City: HOUSTON | | |
| State/Country: | TEXAS | |
| Postal Code: | 77032-3219 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------|--------------|
| PCT Number: | US2014042368 |

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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: (858) 678-5070 Email: apsi@fr.com DAN V. VACAR **Correspondent Name:**

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

MINNEAPOLIS, MINNESOTA 55440-1022 Address Line 4:

| ATTORNEY DOCKET NUMBER: | 15834-0126WO1 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | JEANNE AMOUR |
| SIGNATURE: | /Jeanne Amour/ |
| DATE SIGNED: | 06/13/2014 |

Total Attachments: 4

source=158340126WO1SignedAssignment#page1.tif source=158340126WO1SignedAssignment#page2.tif source=158340126WO1SignedAssignment#page3.tif source=158340126WO1SignedAssignment#page4.tif

PATENT

REEL: 033103 FRAME: 0516 502851915

Attorney's Docket No.: 15834-0126WO1 / 2013-IP-083886 (2013-IPRO-083886)

ASSIGNMENT

For valuable consideration, we, Li Gao, of Katy, Texas, Michael T. Pelletier, of Houston, Texas, and David L. Perkins, of The Woodlands, Texas, hereby assign to Halliburton Energy Services, Inc., a Delaware corporation having a place of business at Houston, Texas, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of a PCT application entitled INTEGRATED COMPUTATIONAL ELEMENT WITH MULTIPLE FREQUENCY SELECTIVE SURFACES, filed June 13, 2014 , and assigned PCT Serial Number PCT/US2014/042368 , this assignment including said application, any and all United States and foreign applications and patents, utility models, and design registrations for any of said inventions or improvements; and the right to claim priority based on the filing date of said application under all treaties; and we hereby authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 033103 FRAME: 0517

Attorney's Docket No.: 15834-0126WO1 / 2013-IP-083886 (2013-IPRO-083886)

Li Gao

DATE: 06-13-2014

STATE OF TEXAS

COUNTY OF Ft. Bend &

On the 13 day of Jule

public, personally appeared L. 620

L, before me, the undersigned notary

, known to me to be the person whose

name is subscribed on the foregoing instrument.

ALEX WEBSTER
Notary Public, State of Texas
My Commission Expires
January 04, 2016

Notary Public, State of Texas

Michael T. Pelletier

STATE OF TEXAS

COUNTY OF

On the

day of

On the

On the

All before me, the undersigned notary public, personally appeared

Michael T. Pelletier

On the

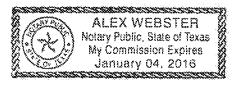
On the

| | | Aftorney's Docket No.: 15834-0126WO17 2013-1P-083886 | (2013-IPRO-083886) |
|---|-----|--|--------------------|
| j | 4 6 | • | |
| 1 | | | |
| | | | |

STATE OF TEXAS

COUNTY OF Harris

On the 13th day of June ,2014 before me, the undersigned notary public, personally appeared David Perkins, known to me to be the person whose name is subscribed on the foregoing instrument.



Notary Public, State of Texas

11336349-doc

RECORDED: 06/13/2014

Assignment Page 4 of 4