

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4058805

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHABNAM GHADAR	08/10/2015
DZEVAT OMERAGIC	08/07/2015
CHRISTOPHE DUPUIS	08/31/2015
MICHAEL THIEL	08/31/2015
YONG-HUA CHEN	08/12/2015
TAREK M. HABASHY	10/13/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SCHLUMBERGER TECHNOLOGY CORPORATION
<b>Street Address:</b>	300 SCHLUMBERGER DRIVE
<b>City:</b>	SUGAR LAND
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77478
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15114323
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	kdumas-scarber@slb.com
<b>Correspondent Name:</b>	KRISTINE DUMAS-SCARBER
<b>Address Line 1:</b>	10001 RICHMOND AVENUE
<b>Address Line 2:</b>	ROOM 4720
<b>Address Line 4:</b>	HOUSTON, TEXAS 77042
<b>ATTORNEY DOCKET NUMBER:</b>	IS14.8079-US-PCT
<b>NAME OF SUBMITTER:</b>	KRISTINE DUMAS-SCARBER
<b>SIGNATURE:</b>	/KRISTINE DUMAS-SCARBER/
<b>DATE SIGNED:</b>	09/20/2016
<b>Total Attachments: 9</b>	

source=IS148079USPCT\_20160920\_Signed\_Assignment#page1.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page2.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page3.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page4.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page5.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page6.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page7.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page8.tif  
source=IS148079USPCT\_20160920\_Signed\_Assignment#page9.tif

### Assignment

WHEREAS, the undersigned inventors hereinafter referred to as the "Inventors" each said Inventor's address being listed below:

**Shabnam Ghadar**, a citizen of Iran, residing at 3620 Mystic Valley Parkway, Apt# E1007, Medford, Massachusetts 02155, United States of America;

**Dzevat Omeragic**, a citizen of Canada, residing at 87 Kendall Road, Lexington, Massachusetts 02421, United States of America;

**Christophe Dupuis**, a citizen of Belgium, residing at Stavanger, Norway;

**Michael Thiel**, a citizen of Germany, residing at Cambridge, Massachusetts, United States of America;

**Yong-Hua Chen**, a citizen of China, residing at 23 Long Avenue, Belmont, Massachusetts 02478, United States of America;

and

**Tarek M. Habashy**, a citizen of the United States of America, residing at 2 Kelly Farm Way, Burlington, MA 01803, USA;

Has/have invented certain new and useful improvements in

#### **WORKFLOW FOR NAVIGATION WITH RESPECT TO OIL-WATER CONTACT USING DEEP DIRECTIONAL RESISTIVITY MEASUREMENTS**

as described and set forth in the International application filed on January 27, 2015 under Serial Number PCT/US2015/013145, (Docket No. IS14.8079-WO-PCT) this assignment is effective as of January 27, 2015.

AND WHEREAS, the **"COMPANIES"**, listed in **Schedule A**, are desirous of acquiring or confirming their acquisition of the entire right, title and interest in and to said invention, inventions or improvements, and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore **as outlined in Schedule A**;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANIES, their successors and assigns, the entire right, title and interest throughout the world, in and to the above-described invention, inventions or improvements described or set forth in said application, in any form or



## 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 Santa Clara )

On August 10, 2015 before me, Kerry Bird, Notary Public  
(insert name and title of the officer)

personally appeared Shabnam Ghadar  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

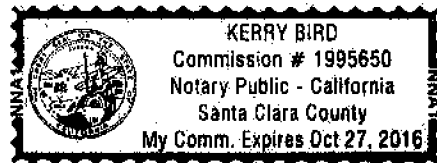
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Kerry Bird

(Seal)



PATENT

REEL: 039785 FRAME: 0393

WITNESSED:

IN WITNESS WHEREOF I, **Dzevat Omeragic**, have hereunto set my hand and seal this 7<sup>th</sup> day of August, 2015.

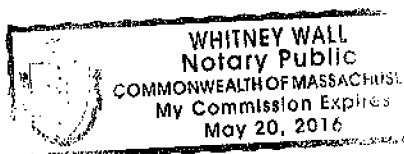
**Dzevat Omeragic**

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )

On this 7<sup>th</sup> day of August, 2015, before me, the undersigned Notary Public, personally appeared, **Dzevat Omeragic**, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person who signed the preceding or attached document in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Seal

Whitney Hall  
Notary Public

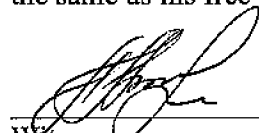


WITNESSED:

IN WITNESS WHEREOF I, **Christophe Dupuis**, have hereunto set my hand and seal this  
31<sup>st</sup> day of AUGUST, 2015.

  
\_\_\_\_\_  
**Christophe Dupuis**

BE IT KNOWN that **Christophe Dupuis**, is to me known to be the individual described in the foregoing assignment, that on the aforementioned date, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
Witness

Nadya Lyapunova  
Koppholten 23,  
Sandnes, Norway

\_\_\_\_\_  
Post Office Address

Robert Newman  
\_\_\_\_\_  
Witness

Robert Newman  
Prinsensgate 19, Leilighet 7,  
Stovanger 4008  
Norway

\_\_\_\_\_  
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Michael Thiel**, have hereunto set my hand and seal this 31 day of August, 2015.

Per \_\_\_\_\_

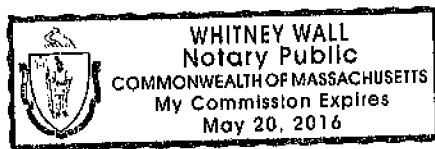
## Michael Thiel

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )

On this 31<sup>st</sup> day of August, 2015, before me, the undersigned Notary Public, personally appeared, **Michael Thiel**, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person who signed the preceding or attached document in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Seal


Rhett Hall  
Notary Public





WITNESSED:

IN WITNESS WHEREOF I, **Yong-Hua Chen**, have hereunto set my hand and seal this 12<sup>th</sup> day of August, 2015.

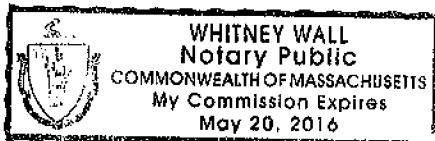
  
Yong-Hua Chen

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )

On this 12<sup>th</sup> day of August, 2015, before me, the undersigned Notary Public, personally appeared, **Yong-Hua Chen**, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person who signed the preceding or attached document in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Seal

Whitney Stace  
Notary Public



WITNESSED:

IN WITNESS WHEREOF I, **Tarek M. Habashy**, have hereunto set my hand and seal this 13<sup>th</sup> day of October 2015.

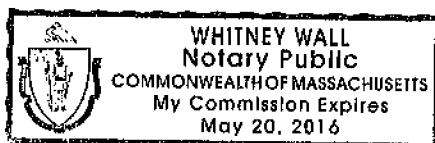
*Tarek M. Habashy*  
Tarek M. Habashy

COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF MIDDLESEX )

On this 13<sup>th</sup> day of October, 2015, before me, the undersigned Notary Public, personally appeared, **Tarek M. Habashy**, proved to me through satisfactory evidence of identification, which were personal knowledge, to be the person who signed the preceding or attached document in my presence, and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Seal

Whitney Stael  
Notary Public



**Schedule A**  
**“COMPANIES”**

**SCHLUMBERGER TECHNOLOGY CORPORATION**

Corporation of: United States of America

Located at: 300 Schlumberger Drive, Sugar Land, Texas 77478 U.S.A.

Assignee for applications in: United States of America

**SCHLUMBERGER CANADA LIMITED**

Corporation of: Canada

Located at: 125 – 9 Avenue SE, Calgary, Alberta T2G 0P6

Assignee for applications in: Canada

**SERVICES PETROLIERS SCHLUMBERGER**

Corporation of: France

Located at: 42 rue Saint Dominique, 75007 Paris, France

Assignee for applications in: France

**SCHLUMBERGER HOLDINGS LIMITED**

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Japan, The Netherlands, United Kingdom

**PRAD RESEARCH AND DEVELOPMENT LIMITED**

Corporation of: British Virgin Islands

Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands

Assignee for applications in: Angola, Bahrain, Bangladesh, Benin, Cambodia, Cameroon, Chad, China, Congo, Gabon, Ghana, Guinea-Bissau, India, Ivory Coast, Jordan, Libya, Mauritania, Morocco, Mozambique, Myanmar, Namibia, Nigeria, Philippines, Senegal, Sudan, Syria, Taiwan, Togo, UAE, Vietnam, Zaire.

**SCHLUMBERGER TECHNOLOGY B.V.**

Corporation of: the Netherlands

Located at: Parkstraat 83-89, 2514 JG The Hague, The Netherlands

Assignee for applications in: GCC and all other countries not listed above.