

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2719009

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ANKE S. WENDT</td> <td>10/31/2013</td> </tr> <tr> <td>JALAL KHAZANEHDARI</td> <td>12/29/2013</td> </tr> <tr> <td>ANDREAS ENGGARD RASMUSSEN</td> <td>10/30/2013</td> </tr> <tr> <td>FARID REZA MOHAMED</td> <td>10/29/2013</td> </tr> <tr> <td>KJETIL WESTENG</td> <td>01/13/2014</td> </tr> <tr> <td>ARNE VOSKAMP</td> <td>10/30/2013</td> </tr> <tr> <td>ANDREA MURINEDDU</td> <td>12/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	ANKE S. WENDT	10/31/2013	JALAL KHAZANEHDARI	12/29/2013	ANDREAS ENGGARD RASMUSSEN	10/30/2013	FARID REZA MOHAMED	10/29/2013	KJETIL WESTENG	01/13/2014	ARNE VOSKAMP	10/30/2013	ANDREA MURINEDDU	12/19/2013
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13927382</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13927382												
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CORRESPONDENCE DATA																	
<p>Fax Number:</p> <p>Email: <a href="mailto:kdumas-scarber@slb.com">kdumas-scarber@slb.com</a>  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: KRISTINE DUMAS-SCARBER        Address Line 1: 10001 RICHMOND AVENUE        Address Line 2: ROOM 4720        Address Line 4: HOUSTON, TEXAS 77042</p>																	
ATTORNEY DOCKET NUMBER:	110.0177-US-CIP																

NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
Signature:	/Kristine Dumas-Scarber/
Date:	02/08/2014
<b>Total Attachments: 10</b> source=1100177USCIP_20140208_Signed_Assignment#page1.tif source=1100177USCIP_20140208_Signed_Assignment#page2.tif source=1100177USCIP_20140208_Signed_Assignment#page3.tif source=1100177USCIP_20140208_Signed_Assignment#page4.tif source=1100177USCIP_20140208_Signed_Assignment#page5.tif source=1100177USCIP_20140208_Signed_Assignment#page6.tif source=1100177USCIP_20140208_Signed_Assignment#page7.tif source=1100177USCIP_20140208_Signed_Assignment#page8.tif source=1100177USCIP_20140208_Signed_Assignment#page9.tif source=1100177USCIP_20140208_Signed_Assignment#page10.tif	

## Assignment

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

**Anke S. Wendt**, a citizen of Germany, residing at Midtre Suldalsgate 13, 4014 Stavanger, NO;

**Jalal Khazanehdari**, a citizen of the United Kingdom, residing at 43 Hulatt Road Cambridge, CB21 8TH UK;

**Andreas Enggard Rasmussen**, a citizen of Denmark, residing at Varheisvingen 2, N-4070 Randaberg, NO;

**Farid Reza Mohamed**, a citizen of Malaysia, residing at Kirkton Avenue, Pitmedden Industrial Estate, Dyce, Aberdeen, AB21 0BF, UK;

**Kjetil Westeng**, a citizen of Norway, residing at Hans Hansen Vei 52, Drammen, 3021, NO;

**Arne Voskamp**, a citizen of the Netherlands Antilles, residing at 602 Beijing River Garden, Shunyi District, Beijing, 101300, CN;

and

**Andrea Murineddu**, a citizen of Italy, residing at Via A. Moro, 20097 San Donato Milanese, Milano, IT;

Has/have invented certain new and useful improvements in

### **THREE-DIMENSIONAL MECHANICAL EARTH MODELING**

as described and set forth in an application for Letters Patent of the United States of America, filed with the United States Patent and Trademark Office on June 26, 2013, Serial No. 13/927382, (Docket No. 110.0177-US-CIP).

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 Effective as of January 23, 2008, 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,

filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on said invention, inventions or improvements in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon said invention, inventions or improvements,

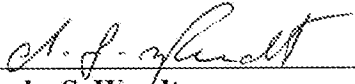
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said **COMPANIES**, their successors and assigns.

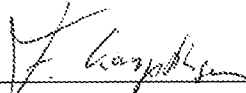
AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict herewith.

AND said Inventors, for the conditions aforesaid, do hereby covenant and agree to and with the said **COMPANIES**, their successors and assigns, that each Inventor, his or her executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said **COMPANIES**, their successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure to and vest in said **COMPANIES**, their successors and assigns, the entire right, title and interest in and to said invention, inventions or improvements, application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

IN WITNESS WHEREOF I, **Anke S. Wendt**, have hereunto set my hand and seal this 31 day of October, 2013.

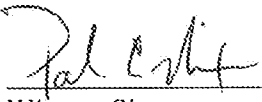
  
Anke S. Wendt

BE IT KNOWN that **Anke S. Wendt** is to me known to be the individual described in the foregoing assignment, that on this 31 day of October, 2013, 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 Signature

FLORIAN KARPFFINGER  
Printed Name

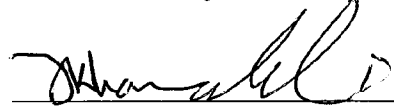
Gronnigensgata 6  
4009 Stavanger  
Norway  
Post Office Address

  
Witness Signature

PAUL C. NIXON  
Printed Name

JON TORBERGSSONS VEI 21, #205  
4070 RANDABERG  
NORWAY  
Post Office Address

IN WITNESS WHEREOF I, **Jalal Khazanehdari**, have hereunto set my hand and seal this 29 day of December, 2013.

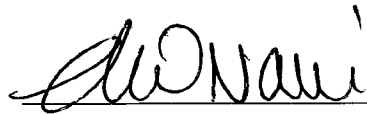
  
\_\_\_\_\_  
**Jalal Khazanehdari**

BE IT KNOWN that **Jalal Khazanehdari** is to me known to be the individual described in the foregoing assignment, that on this 29 day of December, 2013, 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 Signature

AZADEH HOSSEINI NAVI  
Printed Name

55 Madeleine Court  
Letchworth Road, London  
Stammore HA7 1FX  
Post Office Address

  
\_\_\_\_\_  
Witness Signature

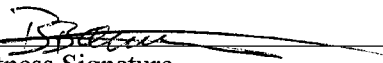
S. Ali H. Navi  
Printed Name

55 Madeleine Court  
Letchworth road  
Stammore, London  
Post Office Address HA7 1FX

IN WITNESS WHEREOF I, **Andreas Enggard Rasmussen**, have hereunto set my hand and seal this 30<sup>th</sup> day of OCTOBER, 2013.

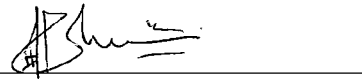
  
\_\_\_\_\_  
**Andreas Enggard Rasmussen**

BE IT KNOWN that **Andreas Enggard Rasmussen** is to me known to be the individual described in the foregoing assignment, that on this 30<sup>th</sup> day of OCTOBER, 2013, 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 Signature

BENJAMIN BONNIER  
\_\_\_\_\_  
Printed Name

Rosenbergata 99  
Stavanger, Norway  
\_\_\_\_\_  
Post Office Address

  
\_\_\_\_\_  
Witness Signature


SIDIG PRAMAPA  
\_\_\_\_\_  
Printed Name

Rosenbergata 99  
Stavanger, Norway  
\_\_\_\_\_  
Post Office Address

IN WITNESS WHEREOF I, **Farid Reza Mohamed**, have hereunto set my hand and seal this 29<sup>th</sup> day of OCTOBER, 2013.

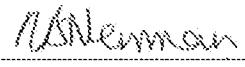
  
\_\_\_\_\_  
**Farid Reza Mohamed**

BE IT KNOWN that **Farid Reza Mohamed** is to me known to be the individual described in the foregoing assignment, that on this 29<sup>th</sup> day of OCTOBER, 2013, 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 Signature

QINGLAI NI  
\_\_\_\_\_  
Printed Name

9 Courtyard  
\_\_\_\_\_  
Eastern Road  
\_\_\_\_\_  
Bracknell RG12 2XB, UK  
\_\_\_\_\_  
Post Office Address

  
\_\_\_\_\_  
Witness Signature

ROBERT NEWMAN  
\_\_\_\_\_  
Printed Name

7, TOP COMMON  
\_\_\_\_\_  
WARFIELD  
\_\_\_\_\_  
BRACKNELL, RG42 3SH  
\_\_\_\_\_  
Post Office Address



IN WITNESS WHEREOF I, **Kjetil Westeng**, have hereunto set my hand and seal this 13 day of January, 2014.

Kjetil Westeng  
**Kjetil Westeng**

BE IT KNOWN that **Kjetil Westeng** is to me known to be the individual described in the foregoing assignment, that on this 13 day of January, 2014, 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.

Kjetil Westeng  
Witness Signature

[Signature]  
Witness Signature

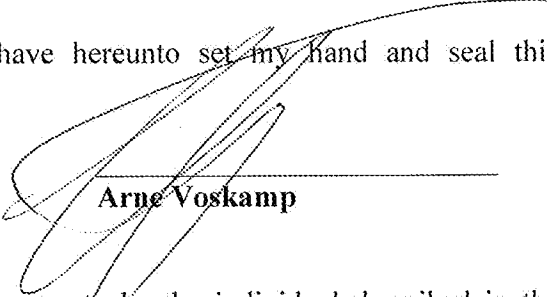
KJETIL WESTENG  
Printed Name

MARIA JOSE MOEDANO IBARRA  
Printed Name

SØRUMLIA 35  
3426 GULLAUG  
NORWAY  
Post Office Address

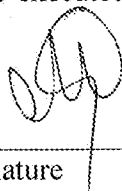
HANS HANSENSVEI 52  
3021 DRAMMEN  
NORWAY  
Post Office Address

IN WITNESS WHEREOF I, **Arne Voskamp**, have hereunto set my hand and seal this 30 day of October, 2013.



**Arne Voskamp**

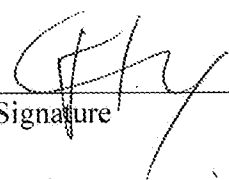
BE IT KNOWN that **Arne Voskamp** is to me known to be the individual described in the foregoing assignment, that on this 30th day of October, 2013, I was personally present and did see him sign and execute the foregoing assignment; and, that he did acknowledge to me that he executed the same as his free act and deed for the uses and purposes therein set forth.



Witness Signature

MARTINECU SILVIA  
Printed Name

NICOLAE TITULESCU 4-8  
5th FLOOR BUCHAREST  
ROMANIA  
Post Office Address

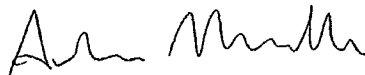


Witness Signature

STRALICU DANIELA  
Printed Name

NICOLAE TITULESCU STR  
4-8, 5th FLOOR  
BUCHAREST, ROMANIA  
Post Office Address

IN WITNESS WHEREOF I, **Andrea Murineddu**, have hereunto set my hand and seal this 19 day of DECEMBER, 2013.



**Andrea Murineddu**

BE IT KNOWN that **Andrea Murineddu** is to me known to be the individual described in the foregoing assignment, that on this 19 day of DECEMBER, 2013, 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 Signature

FRANCESCO GEREKITANO

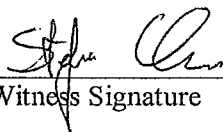
Printed Name

VIA CESARE BATTISTI, 26/B

SAN DONATO MILANESE (MI)

20097, ITALY

Post Office Address



Witness Signature

STEFANO CLERICO

Printed Name

CORSO DI PORTA ROMANA, 107

MILANO (MI)

20122, ITALY

Post Office Address

**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: 525-3<sup>rd</sup> Avenue S.W., Calgary, Alberta, Canada T2P 0G4

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

**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.

**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.