

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2719025

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>VIKAS JAIN</td> <td>05/02/2013</td> </tr> <tr> <td>CHANH CAO MINH</td> <td>04/26/2013</td> </tr> <tr> <td>DENIS HELIOT</td> <td>04/29/2013</td> </tr> <tr> <td>NICHOLAS HEATON</td> <td>06/28/2013</td> </tr> <tr> <td>KAIS GZARA</td> <td>04/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	VIKAS JAIN	05/02/2013	CHANH CAO MINH	04/26/2013	DENIS HELIOT	04/29/2013	NICHOLAS HEATON	06/28/2013	KAIS GZARA	04/25/2013
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KAIS GZARA	04/25/2013												
RECEIVING PARTY DATA													
Name:	SCHLUMBERGER TECHNOLOGY CORPORATION												
Street Address:	300 SCHLUMBERGER DRIVE												
City:	SUGAR LAND												
State/Country:	TEXAS												
Postal Code:	77478												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13658502</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13658502								
Property Type	Number												
Application Number:	13658502												
CORRESPONDENCE DATA													
Fax Number:													
Email:	kdumas-scarber@slb.com												
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>													
Correspondent Name:	KRISTINE DUMAS-SCARBER												
Address Line 1:	10001 RICHMOND AVENUE												
Address Line 2:	ROOM 4720												
Address Line 4:	HOUSTON, TEXAS 77042												
ATTORNEY DOCKET NUMBER:	IS12.2381-US-NP												
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER												

Signature:	/Kristine Dumas-Scarber/
Date:	02/08/2014
Total Attachments: 8 source=IS122381_20140208_Signed_Assignment#page1.tif source=IS122381_20140208_Signed_Assignment#page2.tif source=IS122381_20140208_Signed_Assignment#page3.tif source=IS122381_20140208_Signed_Assignment#page4.tif source=IS122381_20140208_Signed_Assignment#page5.tif source=IS122381_20140208_Signed_Assignment#page6.tif source=IS122381_20140208_Signed_Assignment#page7.tif source=IS122381_20140208_Signed_Assignment#page8.tif	

Assignment

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

Vikas Jain, a citizen of the India, residing at 225 Fluor Daniel Drive, Apt. 16204, Sugar Land, Texas 77479, United States of America;

Chanh Cao Minh, a citizen of the United States of America, residing at 2219 Long Cove Circle, Katy, Texas 77450, United States of America;

Denis Heliot, a citizen of France, residing at 4719 Melissa Court, Sugar Land, Texas 77479, United States of America;

Nicholas Heaton, a citizen of the United Kingdom, residing at 4236 Purdue Street, Houston, Texas 77005, United States of America;

and

Kais Gzara, a citizen of Tunisia, residing at 53 Rue Essayda Khadija Bent Khouayled, El-Menzah 9C, Tunis 1013, Tunisia;

Has/have invented certain new and useful improvements in

Identifying Formation, Matrix And Fluid Related Characteristics From Subsurface Data Using Factor Analysis

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 October 23, 2012, Serial No. 13/658,502, (Docket No. IS12.2381-US-NP). **This assignment is effective as of October 23, 2012.**

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 embodiment thereof, and in and to said application, and in and to any applications 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,

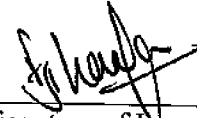
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

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, **Vikas Jain**, have hereunto set my hand and seal this 2nd
day of MAY, 2013.

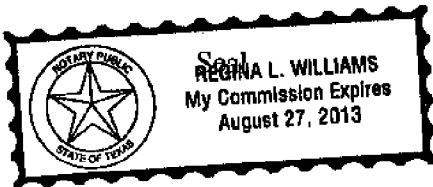


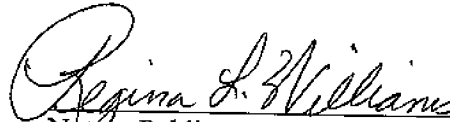
(Signature of Inventor)

STATE OF Texas

COUNTY OF Fort Bend

BEFORE ME this 2nd day of May, 2013, personally appeared **Vikas Jain**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.





Notary Public

IN WITNESS WHEREOF I, **Chanh Cao Minh**, have hereunto set my hand and seal this 26 day of APRIL, 2013.

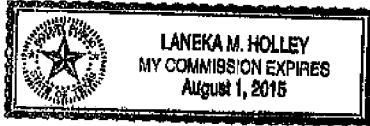
Paul
(Signature of Inventor)

STATE OF Texas
COUNTY OF Fort Bend

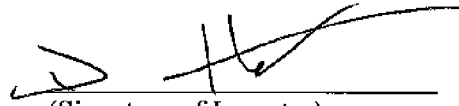
BEFORE ME this 26 day of April, 2013, personally appeared **Chanh Cao Minh**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal

Laneka M. Holley
Notary Public



IN WITNESS WHEREOF I, **Denis Heliot**, have hereunto set my hand and seal this 29
day of April, 2013.

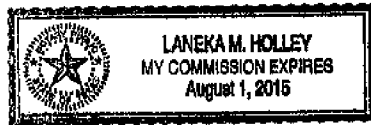

(Signature of Inventor)

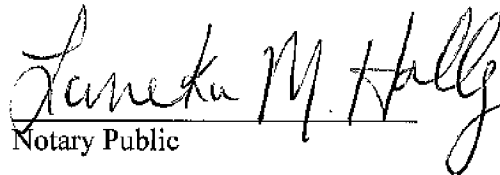
STATE OF Texas

COUNTY OF Fort Bend

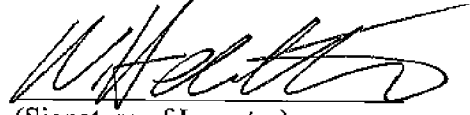
BEFORE ME this 29th day of April, 2013, personally appeared **Denis Heliot**, to
me known to be the person who is described in and who executed the foregoing assignment
instrument and acknowledged to me that he executed the same of his own free will for the
purpose therein expressed.

Seal




Notary Public

IN WITNESS WHEREOF I, **Nicholas Heaton**, have hereunto set my hand and seal this 28th day of June, 2013.

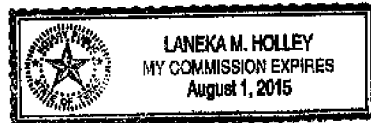

(Signature of Inventor)

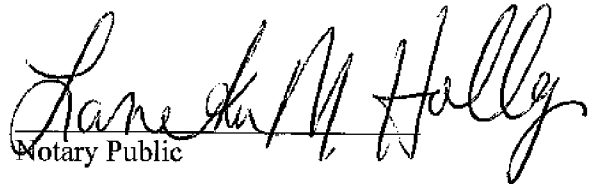
STATE OF Texas

COUNTY OF Fort Bend

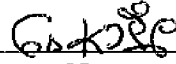
BEFORE ME this 28 day of June, 2013, personally appeared **Nicholas Heaton**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Seal





Notary Public

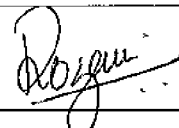
IN WITNESS WHEREOF I, **Kais Gzara**, have hereunto set my hand and seal this 25th day of April, 2013.


(Signature of Inventor)

BE IT KNOWN that **Kais Gzara**, is to me known to be the individual described in the foregoing assignment, that on this 25th day of APRIL, 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.

ASSOUANE GZARA ^{25 APR 2013}
Witness 

SCHLUMBERGER MIDDLE EAST S.A.
HAMDAN STREET - P.O. BOX 21
ABU DHABI - UNITED ARAB EMIRATES
Post Office Address

ROZANI AZEEZ - 25 April 2013
Witness 
Schlumberger Middle East S.A
Hamdan Street - P.O. Box 21
Abu Dhabi - United Arab Emirates
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: 525-3rd 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.