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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3172216

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MURTAZA ZIAUDDIN	12/15/2014
DANIEL DIAS	12/31/2014
DANILA KUZNETSOV	12/15/2014
PAUL NACCACHE	01/07/2015
MARIE ANN GIDDINS	01/05/2015
SUHAS BODWADKAR	12/17/2014
ABIMBOLA OWODUNNI	01/06/2015

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

Property Type	Number
Application Number:	14243051

CORRESPONDENCE DATA

Fax Number:

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.

Email: kdumas-scarber@slb.com

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:	IS14.8055-US-NP
NAME OF SUBMITTER:	KRISTINE DUMAS-SCARBER
SIGNATURE:	/KRISTINE DUMAS-SCARBER/
DATE SIGNED:	01/07/2015

Total Attachments: 10 source=IS148055USNP_20150107_Signed_Assignment#page1.tif source=IS148055USNP_20150107_Signed_Assignment#page2.tif source=IS148055USNP_20150107_Signed_Assignment#page3.tif source=IS148055USNP_20150107_Signed_Assignment#page4.tif source=IS148055USNP_20150107_Signed_Assignment#page5.tif source=IS148055USNP_20150107_Signed_Assignment#page6.tif source=IS148055USNP_20150107_Signed_Assignment#page7.tif source=IS148055USNP_20150107_Signed_Assignment#page8.tif source=IS148055USNP_20150107_Signed_Assignment#page9.tif source=IS148055USNP_20150107_Signed_Assignment#page9.tif

Assignment

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

Murtaza Ziauddin, a citizen of the United States of America, residing at 5215 Red Oak Valley Dr., Katy TX, 77494;

Daniel Dias, a citizen of Brazil, residing at Abingdon, UK;

Danila Kuznetsov, a citizen of the Russian Federation, residing at Abingdon, UK;

Paul Naccache, a citizen of the United Kingdom, residing at Oxford, UK;

Marie Ann Giddins, a citizen of the United Kingdom, residing at Abingdon, UK;

Suhas Bodwadkar, a citizen of the United States of America, residing at Gerrards Cross, UK;

and

Abimbola Owodunni, a citizen of Nigeria, residing at Oxford, UK;

Has/have invented certain new and useful improvements in

WELL STIMULATION

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 April 2, 2014, Serial No. 14/243,051, (Docket No. IS14.8055-US-NP). This assignment is effective as of April 2, 2014.

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.

2

day of De , 2014.	ve hereunto set my hand and sear this
	Murtala Ziauddin
STATE OF TEXAS	
COUNTY OF FORT BEND	
BEFORE ME this 15 day of December Ziauddin, to me known to be the person who is descrassignment instrument and acknowledged to me that he for the purpose therein expressed.	ibed in and who executed the foregoing
Seal JOLYNN PASCHALL Notary Public, State of Texas My Commission Expires December 10, 2016	Oly Paschall Notary Public Public

have hereunto set my band and seal this
Daniel Dias
n to be the individual described in the foregoing nber . 2014. I was personally present seignment; and, that he did acknowledge to me for the uses and purposes therein set forth.
Williams Williams Zulgan Witness
Av Julio ne Mesquita, 2054 - Avb JO A
\$3000001 Amy(was S \$W610 Post Office Address

day of Ocehber, 2014.	E	
	Danila Kuznetsov	
BE IT KNOWN that Danila Kuznetsov, is to m foregoing assignment, that on this 15 day of present and did see him sign and execute the foreg to me that he executed the same as his free act a forth.	<u>December 1</u> , 2014, I was personally oing assignment; and, that he did acknowledge	
CierroPered Joseph MARMONEY Witness	MARTINA DIESTE LAÍNO Witness	
13 8446 6 666	36 SHERMAN ROAD	
Act , with a de Title . The	READING, RG12P7	
mineral Style Branch ACA	BEAKSHIRE	
W.W. OXY SEF.		
Post Office Address	Post Office Address	

IN WITNESS	WHEREOF I,	Paul Naccache,	, have hereunto	set my hand	and scal this	785	day of
January 2015.							

BE IT KNOWN that Paul Naccache, is to me known to be the individual described in the foregoing assignment, that on this 7th day of January 2015, 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.

KLESTY BUETON MEINTRES BEKKER 22 INKERMAN CLOSE 10 MANUE ED WOOTTON, ABNADON ABONGON

ON 8 6DG W. Post Office Address CXILL IMIT UNITED KINGDOM Post Office Address

Marie Ann Giddins

foregoing assignment, that on this 50 day of 36 present and did see him sign and execute the foregoin	<u> โควบ (4,434, - 2,61,5), 2004;</u> I was personally
to me that he executed the same as his free act and	
of forth. The second of the se	
?. C	
Witness	Witness
Z.&B22164.5 77.77.	Concolon RAT
2, 30 x 30 26 AV3	409 chemin de la Fire
PETERSEISMO	Alfaz AOSOLSE
MADESHIRE GUZZZET UX.	FRANCE
Post Office Address	Post Office Address

IN WITNESS WHEREOF I, Marie Ann Giddins, have hereunto set my hand and seal this

BE IT KNOWN that Murie Ann Giddins, is to me known to be the individual described in the

54 day of January , 3914. 2015

IN WITNESS WHEREOF I, Suhas Bodwadka 17 day of DECEMBER. 2014.	ar, have hereunto set my hand and seal this
	Suhas Bodwadkar
BE IT KNOWN that Suhas Bodwadkar, is to me foregoing assignment, that on this 11 day of 12 present and did see him sign and execute the foregeto me that he executed the same as his free act a forth.	<u>AECEMBER</u> , 2014, I was personally oing assignment; and, that he did acknowledge
Witness	Witness
STEFAN ATANASIO	Bradley Campbell
83 TRUMPSGREEN AVENUE	HarteLodge
VIRGINIA WATER	Brochenhurst Rd.
SUZS YEV U.K.	Ascot 565 944 U.H

b day of Tareway, 2014.	&L	
	Abimbola Ówodunni	
BE IT KNOWN that Abimbola Owodunni, is to foregoing assignment, that on this day of present and did see him sign and execute the for to me that he executed the same as his free act forth.	<u>TANGACY</u> , 201 g , I was persona egoing assignment; and, that he did acknowled	
Witness	Witness	
Victory House	VICTORY HOUSE	
CHURCHICC COURT	CHUR CHILL COURT	
79 Same mile market	CRAWLET RHIOGLU	
THINGE KILLDON	The Control of the Art	
CRAWLEY RYINGLY	And the second s	

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

<u>Located at:</u> 125 – 9 Avenue SE, Calgary, Alberta T2G 0P6

<u>Assignee for applications in:</u> 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
<u>Located at: P.O. Box 71, Craigmuir Chambers, Road Town, 1110 Tortola, British Virgin Islands Assignee for applications in:</u> 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

RECORDED: 01/07/2015

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

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

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