

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| 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>Diankui Fu</td> <td>03/13/2013</td> </tr> <tr> <td>Elena Nikolaevna Tarasova</td> <td>03/11/2013</td> </tr> <tr> <td>Vadim Kamil'evich Khlestkin</td> <td>03/13/2013</td> </tr> <tr> <td>Dmitriy Ivanovich Potapenko</td> <td>04/19/2013</td> </tr> <tr> <td>Vladimir Sergeevich Bugrin</td> <td>03/11/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Diankui Fu | 03/13/2013 | Elena Nikolaevna Tarasova | 03/11/2013 | Vadim Kamil'evich Khlestkin | 03/13/2013 | Dmitriy Ivanovich Potapenko | 04/19/2013 | Vladimir Sergeevich Bugrin | 03/11/2013 |
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| Diankui Fu | 03/13/2013 | | | | | | | | | | | | |
| Elena Nikolaevna Tarasova | 03/11/2013 | | | | | | | | | | | | |
| Vadim Kamil'evich Khlestkin | 03/13/2013 | | | | | | | | | | | | |
| Dmitriy Ivanovich Potapenko | 04/19/2013 | | | | | | | | | | | | |
| Vladimir Sergeevich Bugrin | 03/11/2013 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Schlumberger Technology Corporation</td> </tr> <tr> <td>Street Address:</td> <td>300 Schlumberger Drive</td> </tr> <tr> <td>City:</td> <td>Sugar Land</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77478</td> </tr> </table> | | Name: | Schlumberger Technology Corporation | Street Address: | 300 Schlumberger Drive | City: | Sugar Land | State/Country: | TEXAS | Postal Code: | 77478 | | |
| 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>13879023</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13879023 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 13879023 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: 7136896372 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 81427595321 Email: kawashima1@exchange.slb.com</p> <p>Correspondent Name: Schlumberger - COE Address Line 1: WesternGeco 10001 Richmond Ave. Address Line 2: Room 3028 Address Line 4: Houston, TEXAS 77042</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 109.0083USPCT ASSIGNMENT | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Setsuko Kawashima | | | | | | | | | | | | |

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|---|---------------------|
| Signature: | /Setsuko Kawashima/ |
| Date: | 05/07/2013 |
| Total Attachments: 8 source=1090083USPCT_Assignment#page1.tif source=1090083USPCT_Assignment#page2.tif source=1090083USPCT_Assignment#page3.tif source=1090083USPCT_Assignment#page4.tif source=1090083USPCT_Assignment#page5.tif source=1090083USPCT_Assignment#page6.tif source=1090083USPCT_Assignment#page7.tif source=1090083USPCT_Assignment#page8.tif | |

Assignment

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

Diankui Fu, a citizen of the United States of America, residing at Unit C2-3-1, Residensi St. Mary, 1 Jalan Tengah, 50450 Kuala Lumpur, Malaysia;

Elena Nikolaevna Tarasova, a citizen of the Russian Federation, residing at ul. Sibirskaya, 10A-3, Solnechny Settlement, Surgut Region, 628452, Russian Federation;

Vadim Kamil'evich Khlestkin, a citizen of the Russian Federation residing at Ivanova str., 40 - 33, Novosibirsk, 630117, Russian Federation;

Dmitriy Ivanovich Potapenko, a citizen of the Russian Federation residing at 110 Schlumberger Drive, #206, Sugar Land, Texas 77478, USA;

And

Vladimir Sergeevich Bugrin, a citizen of the Belarus residing at 32/2-50, Karamyshevskaya naberezhnaya, Moscow, 123423, Russian Federation;

Has/have invented certain new and useful improvements in

METHOD TO ENHANCE FIBER BRIDGING

as described and set forth in the International application filed on November 12, 2010 under Serial Number PCT/RU2010/000667, (Docket No. 109.0083-WO-PCT). This assignment is effective as of November 12, 2010.

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,

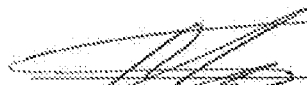
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

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.

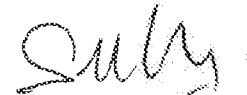
AND said Inventors do hereby covenant and warrant that said Inventors have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that no said Inventors has executed and will execute any instruments in conflict 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, **Diankui Fu**, have hereunto set my hand and seal this 13th day of March, 2013.

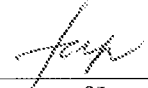

(Signature of Inventor)

BE IT KNOWN that **Diankui Fu**, is to me known to be the individual described in the foregoing assignment, that on this 13th day of March, 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 SARAWATI ALOYAN
16th FLOOR EAST WING
ROYAL PERKASA
9 JALAN P. RAMLEE
50250 KUALA-LUMPUR.
Post Office Address


Witness LING KONG TENG
16th FLOOR EAST WING
ROYAL PERKASA 9, JLN
P. RAMLEE, 50250
KUALA-LUMPUR.
Post Office Address


IN WITNESS WHEREOF I, **Elena Nikolaevna Tarasova**, have hereunto set my hand and seal
this 11th day of March, 2013.


(Signature of Inventor)

BE IT KNOWN that **Elena Nikolaevna Tarasova**, is to me known to be the individual
described in the foregoing assignment, that on this 11th day of March, 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

Moscow 125171 Russia
Leningradskoe shosse
bld. 3, 16A, Metropolis
Business Center
Post Office Address


Witness

Moscow 125171 Russia
Leningradskoe shosse
bld. 3, 16A, Metropolis
Business Center
Post Office Address

IN WITNESS WHEREOF I, **Vadim Kamil'evich Khlestkin**, have hereunto set my hand and seal this 13 day of March, 2013.


(Signature of Inventor)

BE IT KNOWN that **Vadim Kamil'evich Khlestkin**, is to me known to be the individual described in the foregoing assignment, that on this 13 day of March, 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.

Anastasia Spalagina
Witness

630559 Koltsovo

Novosibirsk region, Russia

Stolodzhnaya St.

4 Apt. 100
Post Office Address

Ivetlana Budrugina
Witness

41/5 Vysotnogo St, Apt 217,

Novosibirsk, 630133,

Russia


Post Office Address

IN WITNESS WHEREOF I, **Dmitriy Ivanovich Potapenko**, have hereunto set my hand and seal this 19 day of April, 2013.



(Signature of Inventor)


BE IT KNOWN that **Dmitriy Ivanovich Potapenko**, is to me known to be the individual described in the foregoing assignment, that on this 19 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.



Witness

Dasek Ingraham
125 Industrial Blvd.
Sugar Land, TX 77478

Post Office Address



Witness

John Thomas Mayo
125 Industrial Blvd.
Sugar Land, TX 77478

Post Office Address

IN WITNESS WHEREOF I, **Vladimir Sergeevich Bugrin**, have hereunto set my hand and seal
this 11 day of March, 2013.

11/2/13 -
(Signature of Inventor)

BE IT KNOWN that **Vladimir Sergeevich Bugrin**, is to me known to be the individual described in the foregoing assignment, that on this 11 day of MARCH, 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.

Vladimir ABASHKIN
Witness

Russia, Moscow, 109451,
Bratislavskaya st.
2-17, flat 133

Post Office Address

Droznikov Alexander
Witness

Russia, Moscow 125413,
Solnechnogorskaya str.
10, ap.3

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.