

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>Wayne J. Phillips</td><td>12/11/2008</td></tr><tr><td>Georgiy Bordakov</td><td>11/25/2008</td></tr><tr><td>Alexander Kostin</td><td>12/01/2008</td></tr><tr><td>Shyam Mehta</td><td>11/26/2008</td></tr><tr><td>Denis Heliot</td><td>11/25/2008</td></tr><tr><td>John C. Rasmus</td><td>12/02/2008</td></tr></tbody></table> | | Name | Execution Date | Wayne J. Phillips | 12/11/2008 | Georgiy Bordakov | 11/25/2008 | Alexander Kostin | 12/01/2008 | Shyam Mehta | 11/26/2008 | Denis Heliot | 11/25/2008 | John C. Rasmus | 12/02/2008 |
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| Shyam Mehta | 11/26/2008 | | | | | | | | | | | | | | |
| Denis Heliot | 11/25/2008 | | | | | | | | | | | | | | |
| John C. Rasmus | 12/02/2008 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>Schlumberger Technology Corporation</td></tr><tr><td>Street Address:</td><td>200 Gillingham Lane</td></tr><tr><td>Internal Address:</td><td>MD200-2</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: | 200 Gillingham Lane | Internal Address: | MD200-2 | City: | Sugar Land | State/Country: | TEXAS | Postal Code: | 77478 | | |
| Name: | Schlumberger Technology Corporation | | | | | | | | | | | | | | |
| Street Address: | 200 Gillingham Lane | | | | | | | | | | | | | | |
| Internal Address: | MD200-2 | | | | | | | | | | | | | | |
| 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>12742514</td></tr></tbody></table> | | Property Type | Number | Application Number: | 12742514 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 12742514 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
| Fax Number: (281)285-8821 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | |
| Phone: 281-285-8500 | | | | | | | | | | | | | | | |
| Email: kmorris2@slb.com | | | | | | | | | | | | | | | |
| Correspondent Name: Schlumberger Technology Corporation, HPS | | | | | | | | | | | | | | | |
| Address Line 1: 200 Gillingham Lane | | | | | | | | | | | | | | | |
| Address Line 2: MD200-2 | | | | | | | | | | | | | | | |
| Address Line 4: Sugar Land, TEXAS 77478 | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 19.0536 | | | | | | | | | | | | | | |

CH \$40.00 12742514

501236126

PATENT
REEL: 024703 FRAME: 0409

NAME OF SUBMITTER:

David J. Smith

Total Attachments: 9

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ASSIGNMENT

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

Wayne J. Phillips, citizen of the USA, whose post office address is 5119 Redstart Street, Houston, Texas 77035 USA; and

Georgiy Bordakov, citizen of Russia, whose post office address is 6303 Brazos Traces Court, Richmond, Texas 77469 USA;

Alexander Kostin, citizen of Russia, whose post office address is 1415 Eldridge Parkway #224, Houston, Texas 77077;

Shyam Mehta, citizen of the USA, whose post office address is 4406 Captains Court, Missouri City, Texas 77459 USA;

Denis Heliot, citizen of France, whose post office address is 4719 Melissa Court, Sugar Land, Texas 77479 USA; and

John C. Rasmus, citizen of the USA, whose post office address is 4811 Dogwood Trail, Richmond, Texas 77469 USA

Has/have invented certain new and useful improvements in

ANTI-COLLISION METHOD FOR DRILLING WELLS

as described and set forth in an application for Letters Patent of the United States of America, filed on the 12th day of May, 2010 (19.0536).

WHEREAS each of the undersigned persons warrants that no person other than these undersigned persons are inventors of the above-described invention;

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.

SCHEDULE A
"COMPANIES"

SCHLUMBERGER CANADA LIMITED

Corporation of: Canada

Located at: 525-3rd Avenue S.W., Calgary, Alberta, CA T2P 0G4

Assignee for applications in: Canada

SCHLUMBERGER TECHNOLOGY CORPORATION

Corporation of: USA

Located at: 110 Schlumberger Drive, Sugar Land, TX 77478 US

Assignee for applications in: USA

SERVICES PETROLIERS SCHLUMBERGER

Corporation of: France

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

Assignee for applications in: France

SCHLUMBERGER HOLDINGS LIMITED

Corporation of: British Virgin Islands

Located at: PO Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: Japan, the Netherlands, Saudi Arabia, 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: Albania, Argentina, Australia, Azarbaijan, Brunei, Bulgaria, Colombia, Czech Republic, Denmark, Faroe Islands, Germany, Greece, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, Venezuela

PRAD RESEARCH AND DEVELOPMENT LIMITED

Corporation of: British Virgin Islands

Located at: PO Box 71, Craigmuir Chambers, Road Town, Tortola, BVI

Assignee for applications in: the GCC Patent Office and Countries not Otherwise Listed

IN WITNESS WHEREOF, I, **Wayne J. Phillips**, have hereunto set my hand and seal this 11 day of December, 2008.

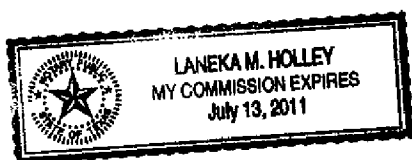

(signature of inventor)

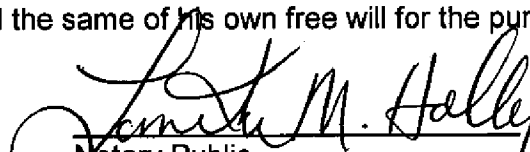
(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 11 day of December, 2008, personally appeared **Wayne J. Phillips**, 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

SEAL

IN WITNESS WHEREOF, I, **Georgiy Bordakov**, have hereunto set my hand and seal this 25 day of November, 2008.

Georgiy Bordakov
(signature of Inventor)

(L. S.)

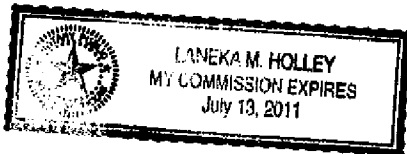
State of _Texas)

County of _Fort Bend)

BEFORE ME this 25th day of November, 2008, personally appeared **Georgiy Bordakov**, 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.

Laneka M. Holley
Notary Public

SEAL



IN WITNESS WHEREOF, I, **Alexander Kostin**, have hereunto set my hand and seal this 1 day of December, 2008.

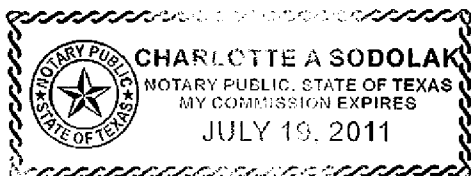

(signature of Inventor)

(L. S.)


State of Texas)

County of Fort Bend)

BEFORE ME this 1st day of December, 2008, personally appeared **Alexander Kostin**, 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, **Shyam Mehta**, have hereunto set my hand and seal this 26 day of November, 2008.

S. B. Mehta
(signature of Inventor)

(L. S.)

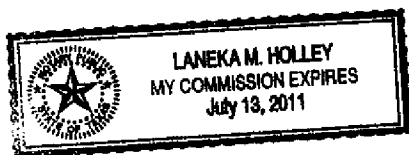
State of Texas)

County of Fort Bend)

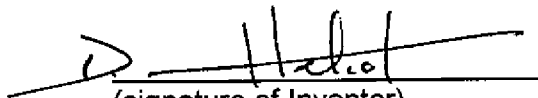
BEFORE ME this 26 day of November, 2008, personally appeared **Shyam Mehta**, to me known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Laneka M. Holley
Notary Public

SEAL



IN WITNESS WHEREOF, I, **Denis Heliot**, have hereunto set my hand and seal this 25 day of November, 2008.

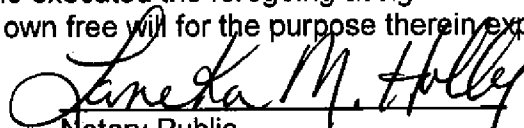

(signature of Inventor)

(L. S.)

State of Texas)

County of Fort Bend)

BEFORE ME this 25 day of November, 2008, 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.


Notary Public

SEAL



IN WITNESS WHEREOF, I, **John C. Rasmus**, have hereunto set my hand and seal this 2 day of DECEMBER, 2008.

John C. Rasmus
(signature of Inventor)

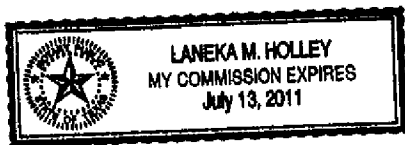
(L. S.)

State of _Texas)

County of _Fort Bend)

BEFORE ME this 2nd day of December, 2008, personally appeared **John C. Rasmus**, 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.

Laneka M. Holley
Notary Public



SEAL