

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DZEVAT OMERAGIC	04/30/2010
YONG-HUA CHEN	04/30/2010
SOFIA DAVYDYCHEVA	04/30/2010
VALLERY POLYAKOV	04/30/2010
RAPHAEL ALTMAN	05/10/2010
DOUGLAS HUPP	04/30/2010
CARLOS MAESO	05/07/2010
TAREK M. HABASHY	04/30/2010
RAYMOND KOCIAN	04/28/2010

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:	12738225

CORRESPONDENCE DATA

Fax Number: (281)285-8821

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2812858500

Email: prahmatdoost@slb.com

Correspondent Name: Schlumberger Technology Corporation

Address Line 1: 200 Gillingham Lane, MD 200-9

Address Line 2: Office of IP Counsel

CH \$40.00 12738225

501326978

PATENT
REEL: 025174 FRAME: 0133

Address Line 4: Sugar Land, TEXAS 77478

ATTORNEY DOCKET NUMBER:

24.1004

NAME OF SUBMITTER:

DARLA FONSECA

Total Attachments: 12

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ASSIGNMENT

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

Dzevat Omeragic, citizen of Canada, whose post office address is 87 Kendall Road, Lexington, MA 02421 USA

Yong-Hua Chen, citizen of China, whose post office address is 23 Long Ave. Belmont, MA 02478 USA

Sofia Davydycheva, citizen of Russia, whose post office address is 4723 Castlewood, Sugar Land, Texas 77479 USA

Valery Polyakov, citizen of the U.S.A. whose post office address is 128 Sewell Avenue #C, Brookline, MA 02446 USA

Raphael Altman, citizen of Great Britian, whose post office address is 1325 South Dairy Ashford Rd., # 1042 Houston, Texas 77077 USA

Douglas Hupp, citizen of the U.S.A., whose post office address is 11920 Steeple Chase Circle, Anchorage, AK 99516 USA

Carlos Maeso, citizen of Great Britain, whose post office address is Lot 42A, Beverley Row Bungalows, Jalan Pinang Utama, 101 Resort, 62502 Putrajaya, Malaysia

Tarek M. Habashy, citizen of the U.S.A., whose post office address is 2 Farm Kelly Way, Burlington, MA 01803 USA

Raymond Kocian, citizen of the U.S.A., whose post office address is 931 Scherer Way, Osprey, FL 34229 USA

Has/have invented certain new and useful improvements in

FORMATION MODELING WHILE DRILLING FOR ENHANCED HIGH ANGLE OR HORIZONTAL WELL PLACEMENT

as described and set forth in an application for Letters Patent of the United States of America, filed on the 15th day of April, 2010, USSN 12/728,225 (24.1004).

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.

ASSIGNMENT

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: 300 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, **Dzevat Omeragic**, have hereunto set my hand and seal this 30 day of April, 2010.

Dzevat Omeragic
(signature of Inventor)

(L. S.)

State of Massachusetts

County of Middlesex

BEFORE ME this 30th day of April, 2010, personally appeared **Dzevat Omeragic**, 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.

Barbara Kilfoyle
Notary Public

SEAL



Barbara Kilfoyle
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 20, 2014

IN WITNESS WHEREOF, I, **Yong-Hua Chen**, have hereunto set my hand and seal this 30th day of April, 2010.

Yong-Hua Chen
(signature of Inventor)

(L. S.)

State of ~~Texas~~ Massachusetts

County of ~~Fort Bend~~ Middlesex

BEFORE ME this 30th day of April, 2010, personally appeared **Yong-Hua Chen**, 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.

Barbara Kilfoyle
Notary Public

SEAL



Barbara Kilfoyle
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 20, 2014

IN WITNESS WHEREOF, I, **Sofia Davydycheva**, have hereunto set my hand and seal this 30 day of April, 2010.

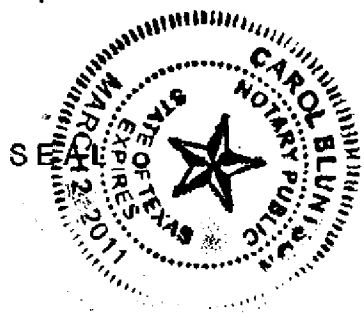
Sofia Davydycheva
(signature of Inventor)

(L. S.)

State of TEXAS)

County of HARRIS)

BEFORE ME this 30th day of APRIL, 2010, personally appeared **Sofia Davydycheva**, 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.



Carol Blunt
Notary Public

IN WITNESS WHEREOF, I, **Valery Polyakov**, have hereunto set my hand and seal this 30 day of April, 2010.

Valery Polyakov
(signature of Inventor)

(L. S.)

State of Massachusetts

County of Middlesex

BEFORE ME this 30th day of April, 2010, personally appeared **Valery Polyakov**, 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.

Barbara Kilfoyle
Notary Public

SEAL



Barbara Kilfoyle
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 20, 2014

IN WITNESS WHEREOF, I, **Raphael Altman**, have hereunto set my hand and seal this 10th day of MAY, 2010.

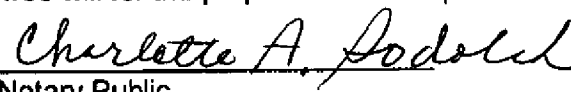

(signature of inventor)

(L. S.)

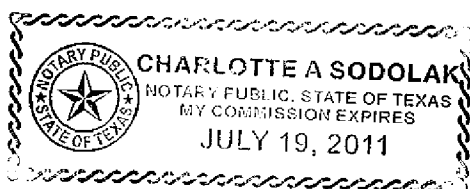
State of TEXAS

County of HARRIS

BEFORE ME this 10 day of MAY, 2010, personally appeared **Raphael Altman**, 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, **Douglas Hupp**, have hereunto set my hand and seal this 30 day of APRIL, 2010.

Douglas Hupp
(signature of Inventor)

WITNESSED:

BE IT KNOWN that **Douglas Hupp** is to me known to be the individual described in the foregoing assignment, that on this 30 day of April, 2010, 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.

Tom Jean Stuenkel
Witness

1427 PST
Anchorage AK 99501

Post Office Address

Ly Stipp
Witness

2320 Oberon Cir
Anchorage, AK 99515

Post Office Address

IN WITNESS WHEREOF, I, **Carlos Maeso**, have hereunto set my hand and seal this 7th day of MAY, 2010.

Carlos Maeso

(signature of Inventor)

WITNESSED:

BE IT KNOWN that **Carlos Maeso** is to me known to be the individual described in the foregoing assignment, that on this 7th day of May, 2010, 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.

JURGEN ANDREAS VAN DOORN
Witness

31, JALAN BEVERLY HEIGHTS
68000 AMPANG (SELANGOR)
MALAYSIA

Post Office Address

Jurgen van Doorn

Joan Guzman Ramos
Witness

32 JDTA TROPICA
JLN D TROPIS #1
KUALA LUMPUR 50480

Post Office Address

[Signature] 7th May 2010

IN WITNESS WHEREOF, I, **Tarek M. Habashy**, have hereunto set my hand and seal this 30th day of April, 2010.

Tarek M. Habashy
(signature of inventor)

(L. S.)

State of Massachusetts

County of Middlesex

BEFORE ME this 30th day of April, 2010, personally appeared **Tarek M. Habashy**, 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.

Barbara Kilfoyle
Notary Public

SEAL



Barbara Kilfoyle
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 20, 2014

IN WITNESS WHEREOF, I, **Raymond Kocian**, have hereunto set my hand and seal this 28 day of April, 2010.

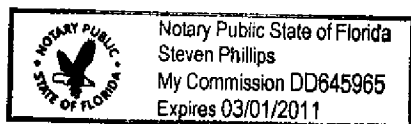
Raymond L. Kocian
(signature of Inventor)

(L. S.)

State of Florida

County of Sarasota

BEFORE ME this 28th day of April, 2010, personally appeared **Raymond Kocian**, 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

[Signature]
Notary Public
Steven Phillips