

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LUCIAN JOHNSTON	12/02/2009
SELIM DJANDJI	01/18/2010
ANDY HAWTHORN	12/02/2009
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:	12633061
CORRESPONDENCE DATA	
Fax Number:	(713)513-2056
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	713-513-1542
Email:	jforward@slb.com
Correspondent Name:	SCHLUMBERGER INFORMATION SOLUTIONS
Address Line 1:	5599 SAN FELIPE, SUITE 100
Address Line 4:	HOUSTON, TEXAS 77056
ATTORNEY DOCKET NUMBER:	110.0181
NAME OF SUBMITTER:	Dona C. Edwards

Total Attachments: 6
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**PATENT
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Assignment

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

LUCIAN JOHNSTON, a citizen of the United States of America, residing at 39 Dorothea Lane, Sugar Land, Texas 77479 USA;

SELIM DJANDJI, a citizen of Egypt, residing at 4710 Sunny Trail Court, Sugar Land, TX 77479, USA;

and

ANDY HAWTHORN, a citizen of the United Kingdom, residing at 5002 Cypress Spring Drive, Missouri City, Texas, 77459 USA ;

Has/have invented certain new and useful improvements in

WELLBORE STEERING BASED ON ROCK STRESS DIRECTION

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 December 8, 2009, Serial No. 12/633,061, (Docket No. 110.0181).

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, 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,

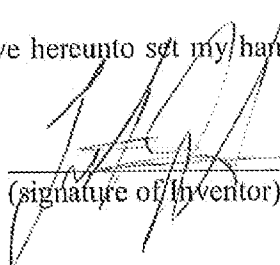
TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on said invention, inventions or improvements.

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, LUCIAN JOHNSTON, have hereunto set my hand and seal this
2nd day of December, 2009.



(signature of inventor)

STATE OF TEXAS

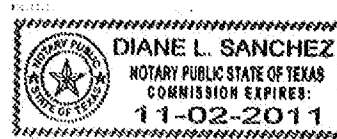
COUNTY OF HARRIS

BEFORE ME this 2 day of December, 2009, personally appeared LUCIAN JOHNSTON, 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, SELIM DJANDJI, have hereunto set my hand and seal this
18th day of January, 2009 2010

S. Djandji
(signature of inventor)

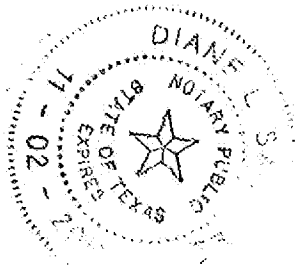
STATE OF TEXAS

COUNTY OF HARRIS

BEFORE ME this 18 day of January, 2009, personally appeared **SELIM DJANDJI**, 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.

Diane L. Sanchez
Notary Public

Seal



IN WITNESS WHEREOF I, **ANDY HAWTHORN**, have hereunto set my hand and seal this 2nd day of December, 2009.

Andy Hawthorn
(signature of Inventor)

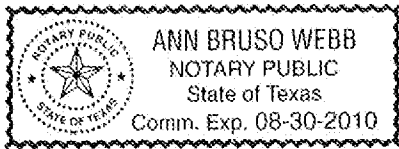
STATE OF TEXAS

COUNTY OF ~~HARRIS~~ *FORT BEND*

BEFORE ME this 2nd day of December, 2009, personally appeared **ANDY HAWTHORN**, 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

Ann Brusio Webb
Notary Public



**Schedule A
"COMPANIES"**

Schlumberger Technology Corporation, a corporation duly organized, incorporated and existing under the laws of the State of Texas and having a place of business at 300 Schlumberger Drive, Sugar Land, Texas 77478 United States of America
as assignee for the United States

Schlumberger Canada Limited, a corporation duly organized, incorporated and existing under the laws of Canada and having a place of business at 525 – 3rd Ave. S.W., Calgary, Alberta, Canada T2P 0G4
as assignee for Canada

Services Petroliers Schlumberger, a corporation duly organized, incorporated and existing under the laws of France and having a place of business at 42, rue Saint Dominique, 75007 Paris, France
as assignee for France

Schlumberger Holdings Limited, a corporation duly organized, incorporated and existing under the laws of the British Virgin Islands and having a place of business at P. O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Islands
as assignee for Japan, Netherlands, Netherlands Antilles, United Kingdom.

Schlumberger Technology B.V., a corporation duly organized, incorporated and existing under the laws of the Netherlands and having a place of business at Parkstraat 83-89, 2514 JG The Hague, The Netherlands
as assignee for Albania, Argentina, Australia, Azerbaijan, Bahrain, Brunei, Bulgaria, Chad, Colombia, Czech Republic, Denmark, Equatorial Guinea, Eurasia, EPO, Faroe Islands, Germany, Greece, Gulf Cooperation Council, Hungary, Indonesia, Ireland, Israel, Italy, Kazakhstan, Korea, Kuwait, Lithuania, Malaysia, Mexico, Myanmar, New Zealand, Norway, Oman, Pakistan, Poland, Qatar, Romania, Russia, Saudi Arabia, Slovakia, Slovenia, South Africa, Thailand, Trinidad, Tunisia, Turkey, Turkmenistan, United Arab Emirates, Uzbekistan and Venezuela.

PRAD Research and Development Limited, a corporation organized and existing under and by the laws of the British Virgin Islands, having a place of business at P.O. Box 71, Craigmuir Chambers, Road Town, Tortola, British Virgin Islands
as assignee for all other countries not designated above.