

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Laurent Arnaud Souche</td> <td>06/21/2009</td> </tr> <tr> <td>Josselin Kherroubi</td> <td>06/15/2009</td> </tr> <tr> <td>Matthieu Jean Rotschi</td> <td>06/15/2009</td> </tr> </tbody> </table>		Name	Execution Date	Laurent Arnaud Souche	06/21/2009	Josselin Kherroubi	06/15/2009	Matthieu Jean Rotschi	06/15/2009		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Schlumberger Technology Corporation</td> </tr> <tr> <td>Street Address:</td> <td>One Hampshire Street</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Schlumberger Technology Corporation	Street Address:	One Hampshire Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: (617)768-2402 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 617 768-2268 Email: bkilfoyle@slb.com Correspondent Name: Schlumberger Technology Corporation Address Line 1: P. O. Box 425045 Address Line 4: Cambridge, MASSACHUSETTS 02142											
ATTORNEY DOCKET NUMBER:	122.0054 US NP										
NAME OF SUBMITTER:	Barbara Kilfoyle										
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Assignment

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

Laurent Arnaud Souche a citizen of France, residing at P.O. Box 21, Al Masood Tower, Hamdan Street, Abu Dhabi, United Arab Emirates;

Josselin Kherroubi a citizen of France, residing at 44, rue Pernety, Paris, 75014 France and

Matthieu Jean Rotschi a citizen of France, residing 16, rue du Président Wilson, Gentilly, 94250 France

Has/have invented certain new and useful improvements in:

FRACTURE NETWORK CHARACTERIZATION METHOD

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 June 5, 2009, Serial No. 12/479,086 (Docket No. 122.0054 US NP).

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.

IN WITNESS WHEREOF, I sign this 24th day of June, 2009.



Laurent Arnaud Souche

WITNESSED:

BE IT KNOWN, that **Laurent Arnaud Souche** is known to us to be the individual described in this assignment, that on this 21st day of June, 2009, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.



First Witness (Signature)

Florian Hollender

Al Masood Tower

PO Box 21, Abu Dhabi, UAE
Post Office Address



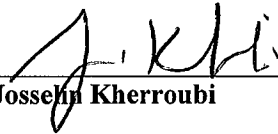
Second Witness (Signature)

Nicolas Clerc

Al Masood Tower

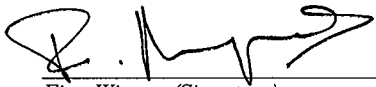
PO Box 21, Abu Dhabi, UAE
Post Office Address

IN WITNESS WHEREOF, I sign this 15th day of June, 2009.


Josselin Kherroubi

WITNESSED:

BE IT KNOWN, that **Josselin Kherroubi** is known to us to be the individual described in this assignment, that on this _____ day of _____, 2009, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.


First Witness (Signature)

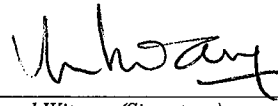
Francois Armeigaud

26 Rue de La Cavée

92142 Clamart

Post Office Address

FRANCE


Second Witness (Signature)

Dat Vu-Huong

26 Rue de la Cavée

92142 Clamart

Post Office Address

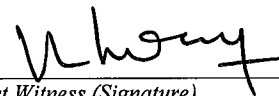
FRANCE

IN WITNESS WHEREOF, I sign this 15th day of June, 2009.


Matthieu Jean Rotschi

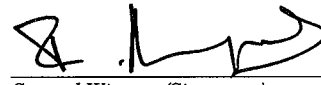
WITNESSED:

BE IT KNOWN, that **Matthieu Jean Rotschi** is known to us to be the individual described in this assignment, that on this 15th day of June, 2009, we were personally present and did see him/her sign and execute this assignment and that he/she acknowledged to us that he/she executed the same as his/her free act and deed for the uses and purposes therein set forth.


First Witness (Signature)

DAT VU HOANG
26 Rue La Cavée
92142 Clamart Cedex
FRANCE

Post Office Address


Second Witness (Signature)

Francois Armenfund
26 Rue La Cavée
92142 Clamart
FRANCE

Post Office Address

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: One Hampshire Street, Cambridge, MA 02139
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: Countries not Otherwise Listed