

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Berengere Savary Sismondini</td> <td>01/12/2010</td> </tr> <tr> <td>Hilde Grude Borgos</td> <td>01/12/2010</td> </tr> <tr> <td>Michael Nickel</td> <td>01/12/2010</td> </tr> <tr> <td>Lars Sonneland</td> <td>01/12/2010</td> </tr> </tbody> </table>		Name	Execution Date	Berengere Savary Sismondini	01/12/2010	Hilde Grude Borgos	01/12/2010	Michael Nickel	01/12/2010	Lars Sonneland	01/12/2010
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<b>RECEIVING PARTY DATA</b>											
<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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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)768-2402</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-768-2000</p> <p>Email: sfernandez4@slb.com</p> <p>Correspondent Name: Schlumberger Technology Corporation</p> <p>Address Line 1: One Hampshire Street</p> <p>Address Line 4: Cambridge, MASSACHUSETTS 02139</p>											
ATTORNEY DOCKET NUMBER:	113.0006 US NP										
NAME OF SUBMITTER:	James McAleenan										
<p>Total Attachments: 7</p> <p>source=113_0006USNP_exec_assignment#page1.tif</p>											

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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

**Berengere Savary-Sismondini**, a citizen of France, residing at Dusavikhagen 35B, N-4028, Stavanger, NO;

**Hilde Grude Borgos**, a citizen of Norway, residing at Grannes Terrasse 54, N-4044 Hafrsfjord, NO;

**Michael Nickel**, a citizen of Germany, residing at Klovsteinvelen 9A, N-4041 Hafrsfjord, NO;  
and

**Lars Sonneland**, a citizen of Norway, residing at Risabergstien 35, N-4056 Tananger, NO.

Has/have invented certain new and useful improvements in

### ANALYSIS OF FRACTURE NETWORKS

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 3, 2009, Serial No. 12/630,119 (Docket No. 113.0006 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.

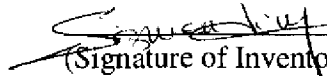
AND said Inventors do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said **COMPANIES**, their successors and assigns, as the assignee of the entire right, title and interest in and to the same, 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.

WITNESSED:


IN WITNESS WHEREOF I, **Berengere Savary-Sismondini**, have hereunto set my hand and seal this 12 day of January, 2010.

  
(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Berengere Savary-Sismondini** is known to us to be the individual described in this assignment, that on this 12 day of January, 2010, 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)

  
Second Witness (Signature)

Aicha BOUMAI

Jan O. H. Bakke

Nedre Stokkveien 56

Stokkveien 57 B

4023 Stavanger-Norway  
Post Office Address

N-4024 Stavanger, Norway  
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Hilde Grude Borgos**, have hereunto set my hand and seal this  
12 day of January, 2010.

Hilde Grude Borgos  
(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Hilde Grude Borgos** is known to us to be the individual described in this assignment, that on this 12 day of January, 2010, 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.

Jan O. H. Bakke  
First Witness (Signature)

Aicha Bouvina  
Second Witness (Signature)

Jan O. H. Bakke

Aicha BOUVINA

Stokkaveien 57 B

Nedre Stokkaveien 56

N-4024 Stavanger, Norway  
Post Office Address

4023 Stavanger, Norway  
Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Michael Nickel**, have hereunto set my hand and seal this  
12 day of January, 2010.

Michael Nickel  
(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Michael Nickel** is known to us to be the individual described in this assignment, that on this 12 day of JANUARY, 2010, 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.

Rodrigo de Sousa Portugal  
First Witness (Signature)

RODRIGO DE SOUSA PORTUGAL

Øvre Orkneygate 14

4009 Stauranger, Norway

Post Office Address

Aicha Bouiam  
Second Witness (Signature)

Aicha Bouiam

Nedre Stekkerei 56

4023 Stauranger, Norway

Post Office Address

WITNESSED:

IN WITNESS WHEREOF I, **Lars Sonneland**, have hereunto set my hand and seal this  
12 day of JANUARY, 2010.

*Lars Sonneland*  
(Signature of Inventor)

WITNESSED:

BE IT KNOWN, that **Lars Sonneland** is known to us to be the individual described in this assignment, that on this 12 day of JANUARY, 2010, 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.

*Rodrigo de Sousa Portugal*  
First Witness (Signature)

RODRIGO DE SOUSA PORTUGAL  
Øvre Orkneygate 14

4009 Stavanger - Norway

Post Office Address

*Aicha Boukhalil*  
Second Witness (Signature)

Aicha BOUKHALIL

Nedre Stokkeveien 56

4023 Stavanger, Norway  
Post Office Address

Schedule A

**“COMPANIES”**

***SCHLUMBERGER CANADA LIMITED***

Corporation of: Canada

Located at: 525-3<sup>rd</sup> 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